

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012519\
 Data File : BF112247.D
 Acq On : 25 Jan 2019 22:18
 Operator : JU/SJ
 Sample : K1238-31MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4MSD

Quant Time: Jan 27 23:41:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 25 16:47:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	193986	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	755515	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	361445	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	628120	20.00	ng	0.00
76) Chrysene-d12	14.00	240	360110	20.00	ng	-0.01
87) Perylene-d12	15.47	264	381596	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1924420	210.72	ng	0.01
7) Phenol-d6	6.50	99	2019885	159.17	ng	0.00
23) Nitrobenzene-d5	7.41	82	1287289	98.18	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	586654	139.44	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2154267	84.30	ng	0.00
79) Terphenyl-d14	12.94	244	1798942	94.09	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.68	88	224517	61.712	ng	96
3) Pyridine	3.43	79	635768	68.698	ng	98
4) n-Nitrosodimethylamine	3.39	42	319358	82.137	ng	100
6) Aniline	6.51	93	386503	25.603	ng	# 1
8) 2-Chlorophenol	6.64	128	661851	53.871	ng	97
9) Benzaldehyde	6.39	77	126175	19.022	ng	97
10) Phenol	6.52	94	875814	62.905	ng	83
11) bis(2-Chloroethyl)ether	6.58	93	591771	53.987	ng	100
12) 1,3-Dichlorobenzene	6.79	146	711910	49.755	ng	98
13) 1,4-Dichlorobenzene	6.86	146	721257	48.980	ng	98
14) 1,2-Dichlorobenzene	7.02	146	671691	48.719	ng	96
15) Benzyl Alcohol	6.99	79	553455	51.736	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.12	45	708256	50.324	ng	# 35
17) 2-Methylphenol	7.11	107	527963	54.209	ng	# 93
18) Hexachloroethane	7.36	117	257674	49.831	ng	95
19) n-Nitroso-di-n-propylamine	7.26	70	441802	50.488	ng	98
20) 3+4-Methylphenols	7.26	107	669711	53.774	ng	# 78
22) Acetophenone	7.26	105	888219	48.281	ng	98
24) Nitrobenzene	7.43	77	668022	51.013	ng	99
25) Isophorone	7.67	82	1195129	58.100	ng	98
26) 2-Nitrophenol	7.75	139	374144	53.463	ng	96
27) 2,4-Dimethylphenol	7.79	122	580548	60.211	ng	94
28) bis(2-Chloroethoxy)methane	7.87	93	752750	53.744	ng	100
29) 2,4-Dichlorophenol	7.99	162	573271	53.130	ng	98
30) 1,2,4-Trichlorobenzene	8.07	180	609465	49.139	ng	98
31) Naphthalene	8.15	128	1871084	52.958	ng	99
32) Benzoic acid	7.89	122	47670	8.667	ng	95
33) 4-Chloroaniline	8.20	127	177143	11.515	ng	99
34) Hexachlorobutadiene	8.26	225	339906	46.702	ng	99
35) Caprolactam	8.62	113	70461	18.511	ng	97
36) 4-Chloro-3-methylphenol	8.70	107	582305	50.979	ng	97
37) 2-Methylnaphthalene	8.84	142	1309122	54.125	ng	96
38) 1-Methylnaphthalene	8.94	142	1230413	53.074	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.01	216	594411	50.087	ng	98

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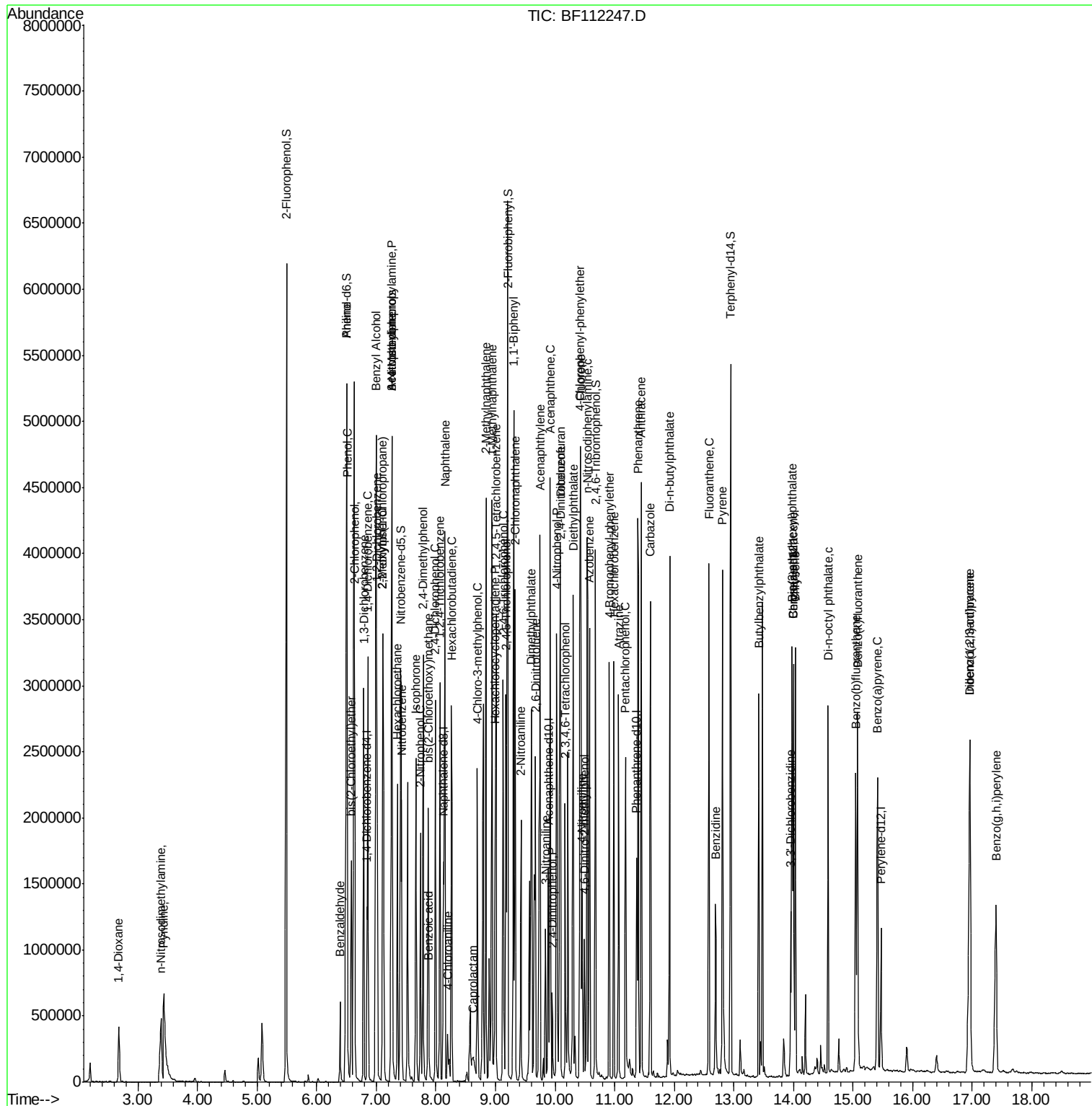
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	338308	75.786	ng	99
43) 2,4,6-Trichlorophenol	9.13	196	383789	52.464	ng	98
44) 2,4,5-Trichlorophenol	9.17	196	406630	53.186	ng	97
46) 1,1'-Biphenyl	9.30	154	1543220	48.838	ng	99
47) 2-Chloronaphthalene	9.33	162	1194347	48.741	ng	97
48) 2-Nitroaniline	9.43	65	338719	50.716	ng	92
49) Acenaphthylene	9.75	152	1878114	52.293	ng	100
50) Dimethylphthalate	9.60	163	1661383	59.161	ng	100
51) 2,6-Dinitrotoluene	9.67	165	323485	51.434	ng #	83
52) Acenaphthene	9.92	154	1088870	50.752	ng	100
53) 3-Nitroaniline	9.84	138	192496	28.251	ng	96
54) 2,4-Dinitrophenol	9.95	184	96320	47.720	ng	93
55) Dibenzofuran	10.09	168	1604535	48.939	ng	95
56) 4-Nitrophenol	10.03	139	375308	104.184	ng	97
57) 2,4-Dinitrotoluene	10.08	165	406166	50.727	ng #	87
58) Fluorene	10.43	166	1271124	51.809	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.17	232	281606	49.142	ng	97
60) Diethylphthalate	10.30	149	1367341	49.064	ng	100
61) 4-Chlorophenyl-phenylether	10.42	204	616390	46.184	ng	93
62) 4-Nitroaniline	10.46	138	296500	44.364	ng	95
63) Azobenzene	10.58	77	1194780	48.747	ng	99
65) 4,6-Dinitro-2-methylphenol	10.49	198	145068	41.193	ng	98
66) n-Nitrosodiphenylamine	10.54	169	1129509	53.356	ng	99
67) 4-Bromophenyl-phenylether	10.91	248	376487	50.962	ng	97
68) Hexachlorobenzene	10.99	284	411208	51.881	ng	98
69) Atrazine	11.07	200	361985	52.994	ng	97
70) Pentachlorophenol	11.19	266	329295	106.773	ng	99
71) Phenanthrene	11.39	178	1719253	52.649	ng	99
72) Anthracene	11.45	178	1754255	53.930	ng	100
73) Carbazole	11.60	167	1504664	46.894	ng	99
74) Di-n-butylphthalate	11.92	149	1941563	48.749	ng	99
75) Fluoranthene	12.58	202	1543147	44.059	ng	99
77) Benzidine	12.69	184	501358	50.584	ng	95
78) Pyrene	12.81	202	1499286	60.135	ng	99
80) Butylbenzylphthalate	13.42	149	664364	55.077	ng	96
81) Benzo(a)anthracene	14.00	228	1151964	54.417	ng	99
82) 3,3'-Dichlorobenzidine	13.95	252	235433	29.717	ng	99
83) Chrysene	14.03	228	1067247	52.816	ng	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	890667	52.017	ng	99
85) Di-n-octyl phthalate	14.58	149	1332485	50.581	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	1295673	80.921	ng	97
88) Benzo(b)fluoranthene	15.04	252	1140884	49.992	ng	99
89) Benzo(k)fluoranthene	15.07	252	1104825	50.542	ng	99
90) Benzo(a)pyrene	15.41	252	1123881	54.732	ng	99
91) Dibenzo(a,h)anthracene	16.96	278	1070484	64.684	ng	99
92) Benzo(g,h,i)perylene	17.40	276	1065316	68.230	ng	97

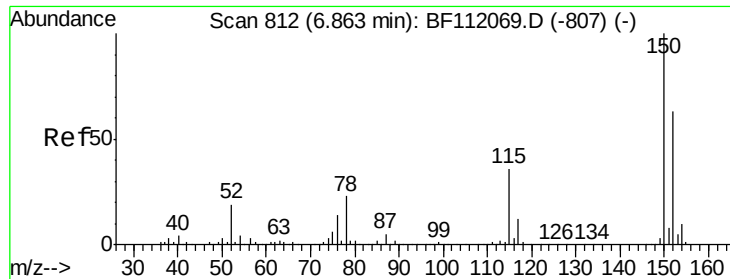
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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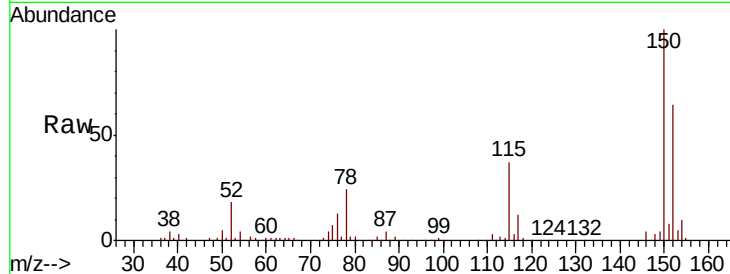


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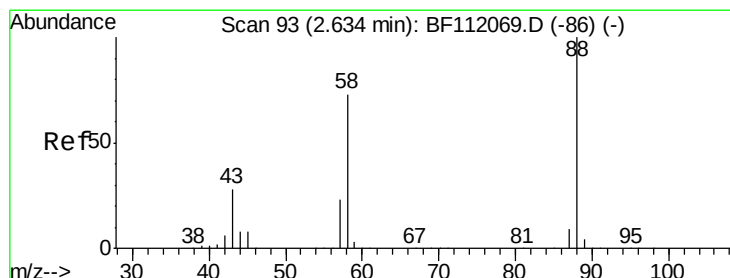
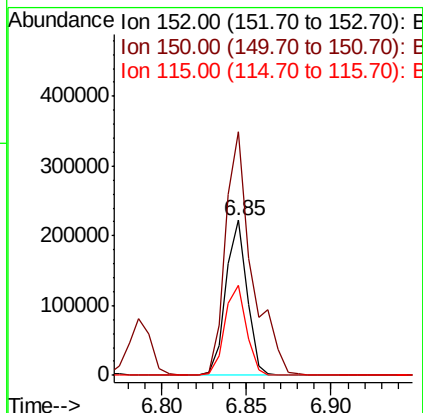
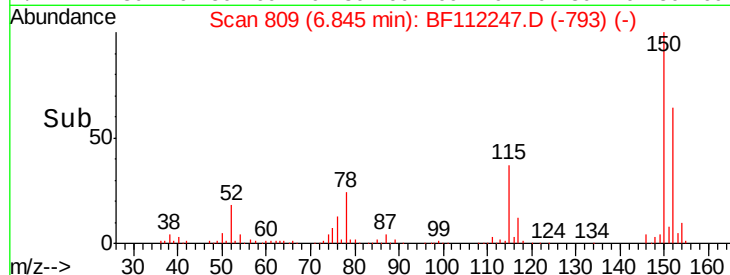
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

Tgt Ion: 152 Resp: 193986
Ion Ratio Lower Upper
152 100
150 157.3 127.4 191.0
115 57.9 45.5 68.3



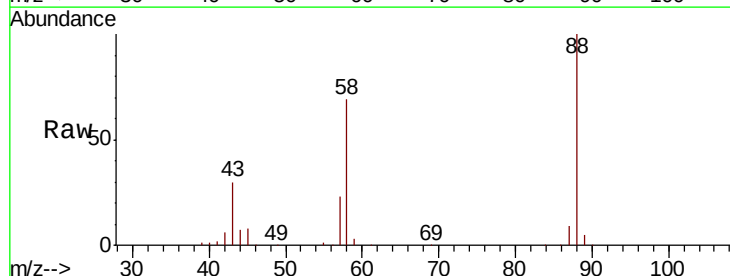
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



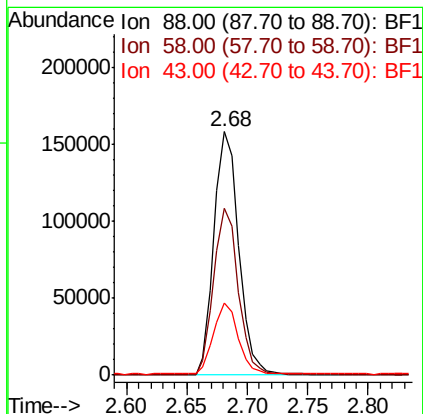
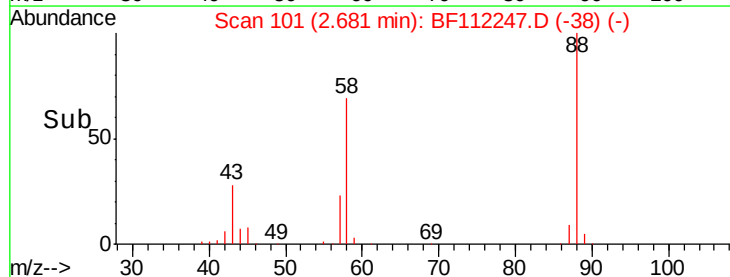
#2

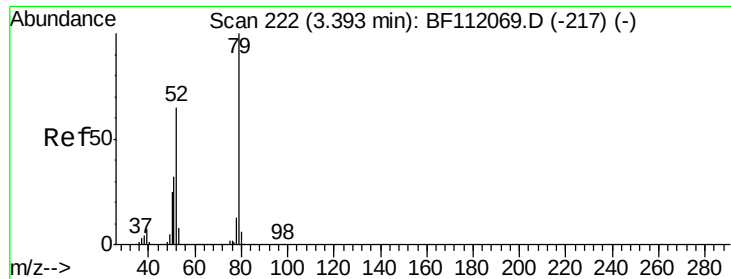
1,4-Dioxane
Concen: 61.712 ng
RT: 2.68 min Scan# 101
Delta R.T. 0.07 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion: 88 Resp: 224517
Ion Ratio Lower Upper
88 100
58 68.5 57.4 86.2
43 29.2 22.2 33.4



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1

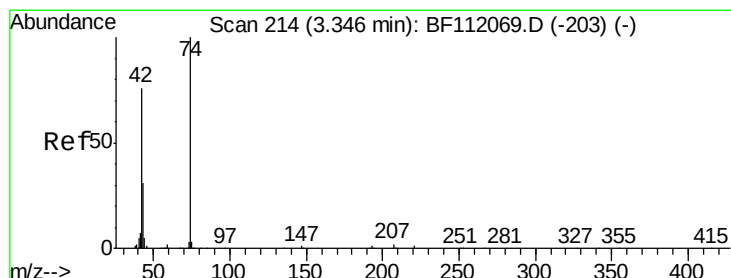
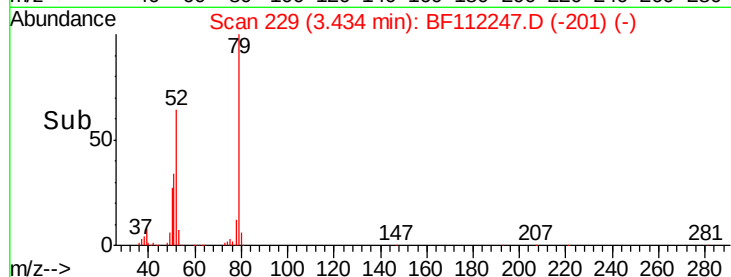
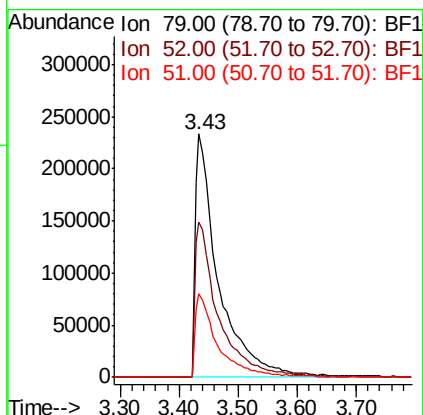
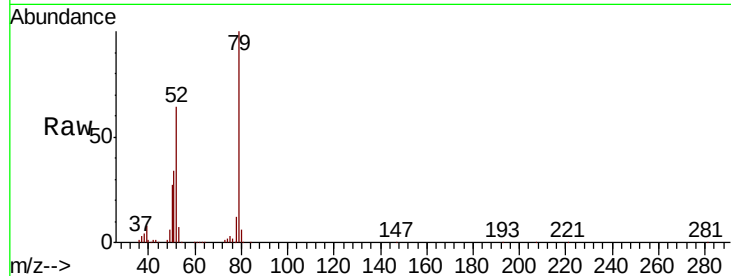




#3
 Pyridine
 Concen: 68.698 ng
 RT: 3.43 min Scan# 229
 Delta R.T. 0.06 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

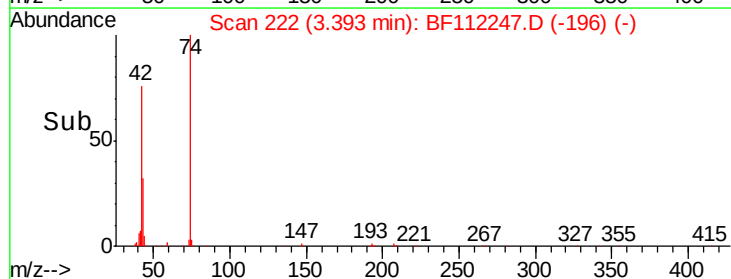
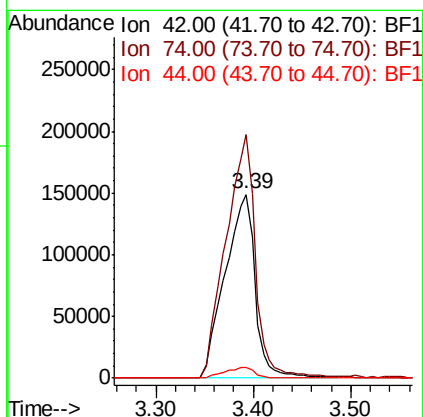
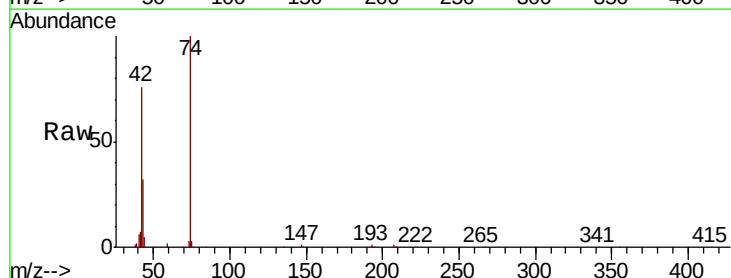
Instrument :
 BNA_F
 ClientSampleId :
 S4MSD

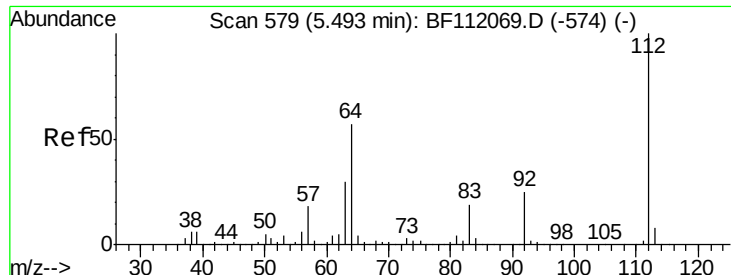
Tgt Ion: 79 Resp: 635768
 Ion Ratio Lower Upper
 79 100
 52 64.0 52.4 78.6
 51 34.4 26.1 39.1



#4
 n-Nitrosodimethylamine
 Concen: 82.137 ng
 RT: 3.39 min Scan# 222
 Delta R.T. 0.05 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Tgt Ion: 42 Resp: 319358
 Ion Ratio Lower Upper
 42 100
 74 132.4 105.6 158.4
 44 6.0 5.4 8.2





#5

2-Fluorophenol

Concen: 210.716 ng

RT: 5.49 min Scan# 579

Delta R.T. 0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

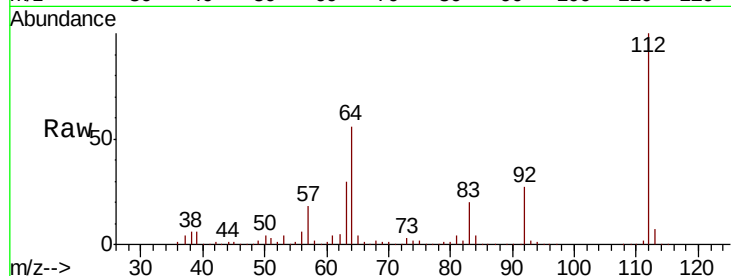
Tgt Ion: 112 Resp: 1924420

Ion Ratio Lower Upper

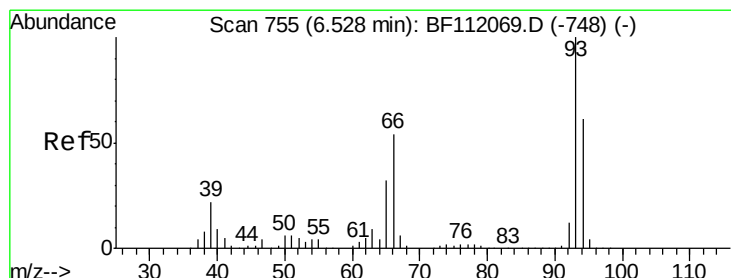
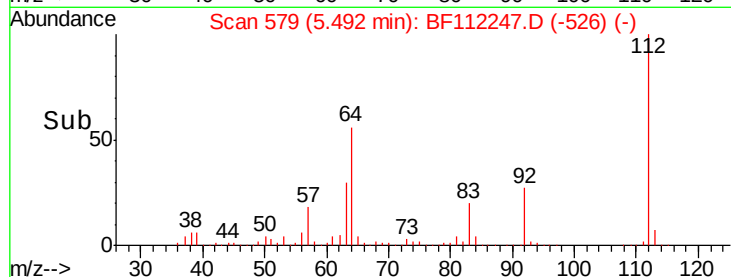
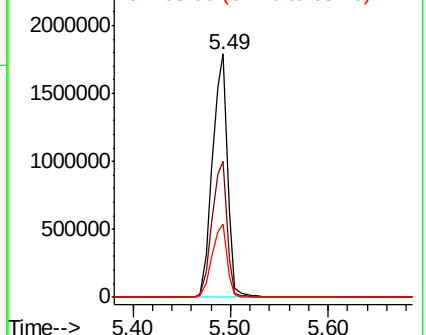
112 100

64 55.8 45.7 68.5

63 30.2 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 25.603 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

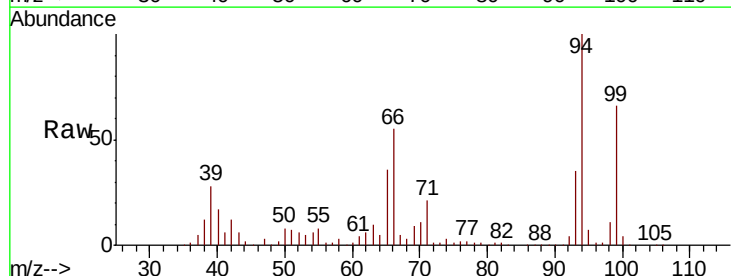
Tgt Ion: 93 Resp: 386503

Ion Ratio Lower Upper

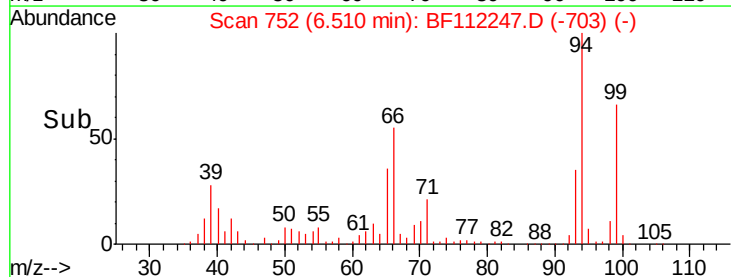
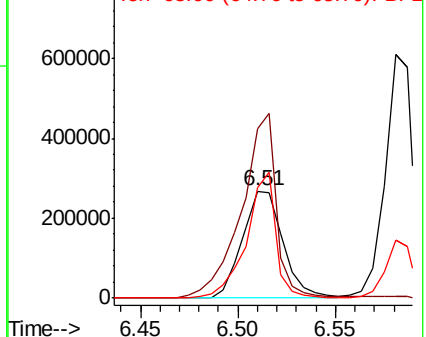
93 100

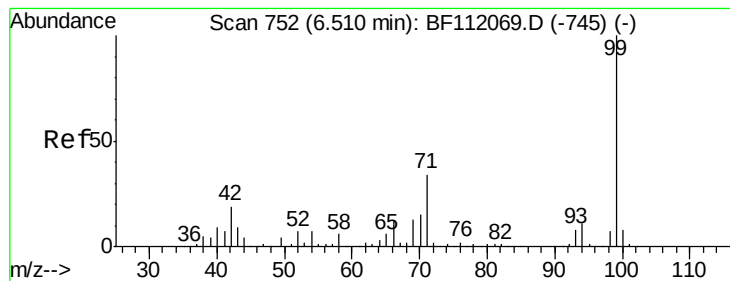
66 158.4 43.4 65.2#

65 103.0 25.3 37.9#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 159.166 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF112247.D

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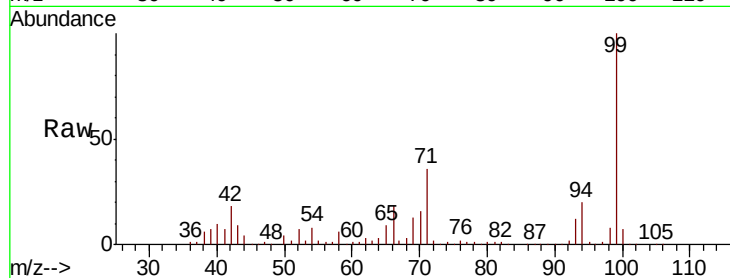
Tgt Ion: 99 Resp: 2019885

Ion Ratio Lower Upper

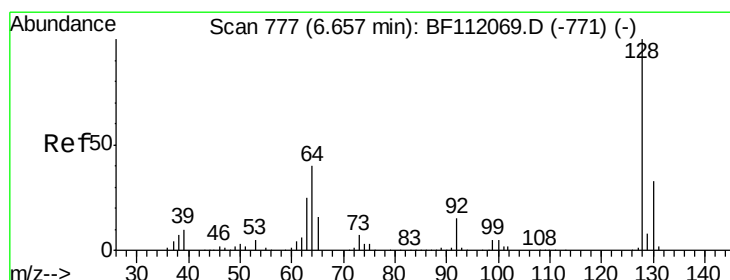
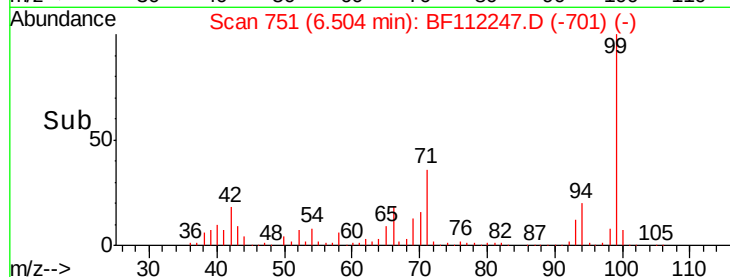
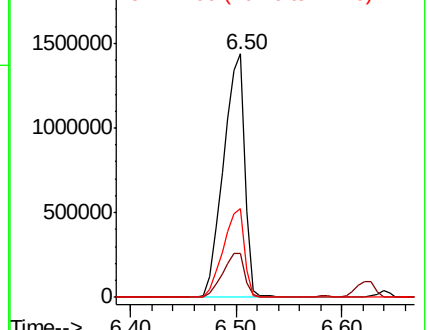
99 100

42 18.2 15.1 22.7

71 36.3 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 53.871 ng

RT: 6.64 min Scan# 774

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

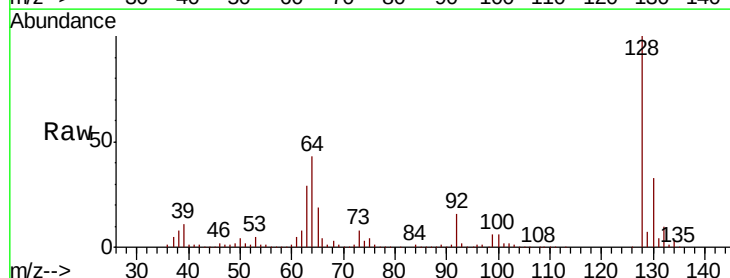
Tgt Ion: 128 Resp: 661851

Ion Ratio Lower Upper

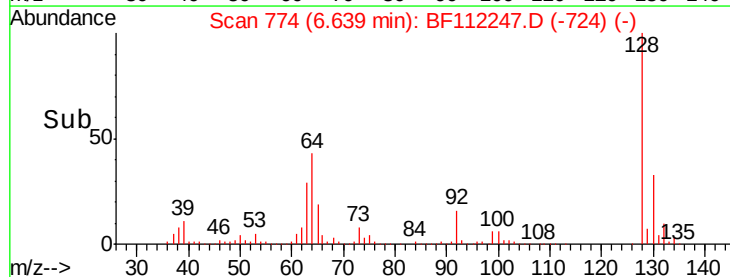
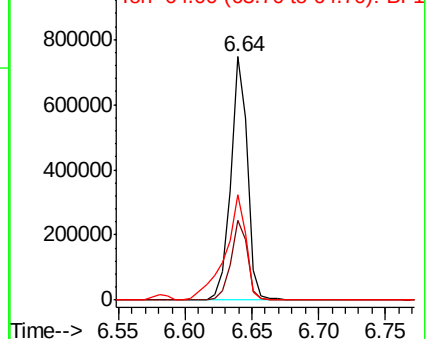
128 100

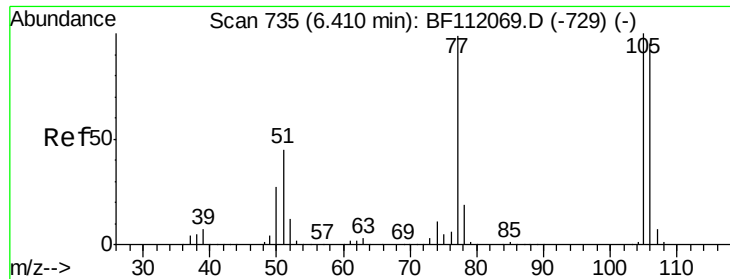
130 32.9 13.4 53.4

64 43.5 20.5 60.5



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 19.022 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

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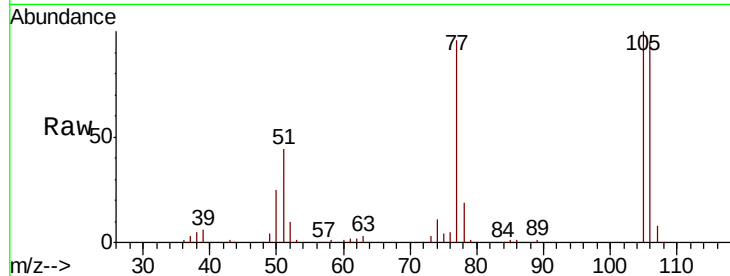
Tgt Ion: 77 Resp: 126175

Ion Ratio Lower Upper

77 100

105 103.8 80.8 120.8

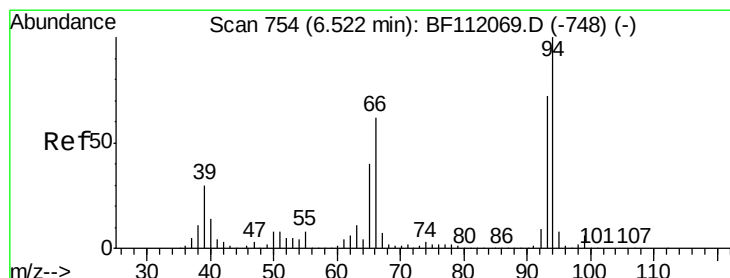
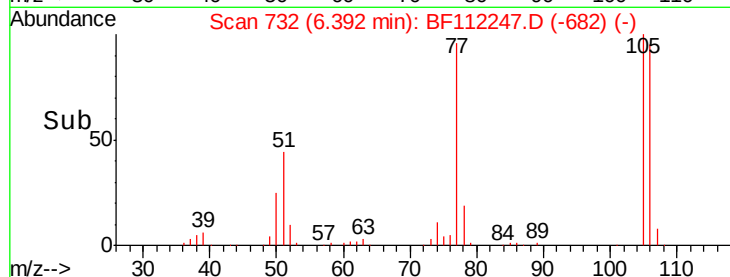
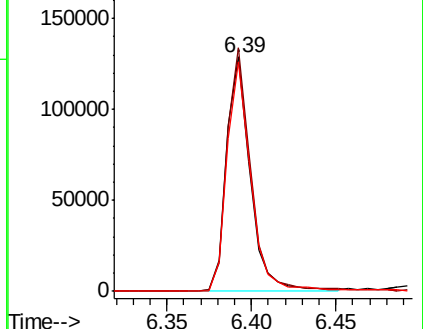
106 98.1 75.7 115.7



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 62.905 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

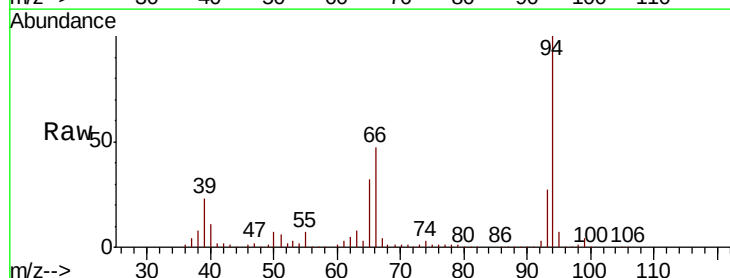
Tgt Ion: 94 Resp: 875814

Ion Ratio Lower Upper

94 100

65 32.3 20.3 60.3

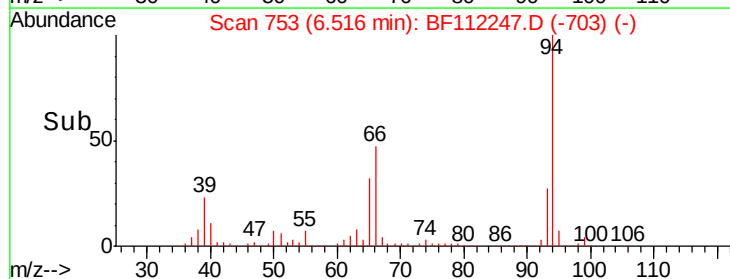
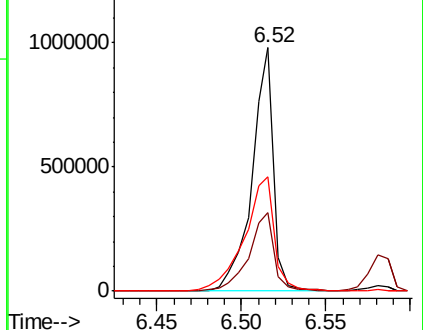
66 47.1 42.4 82.4

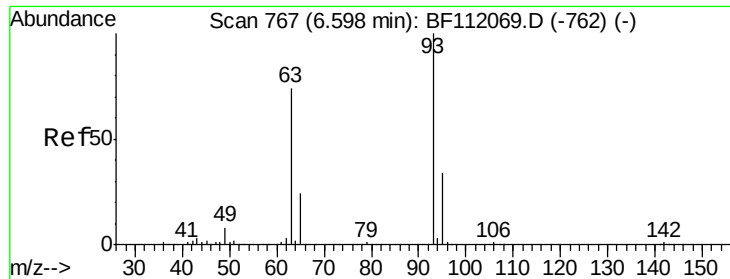


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

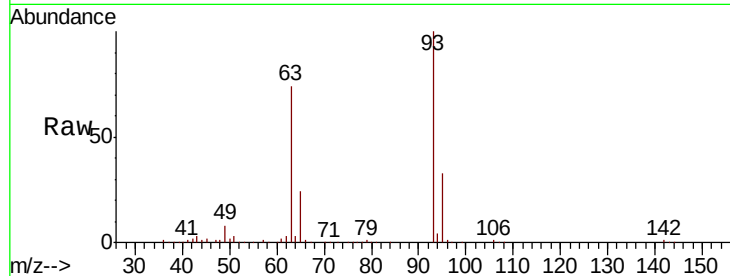




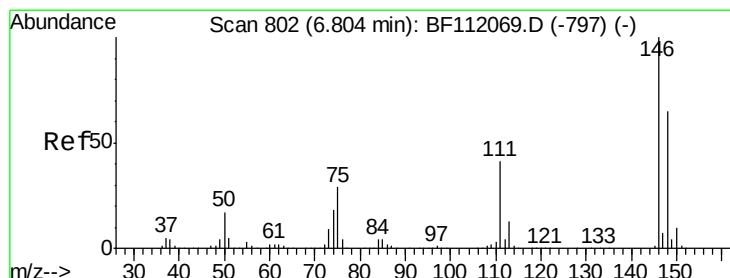
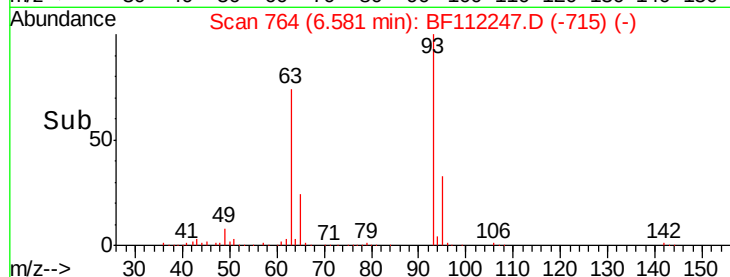
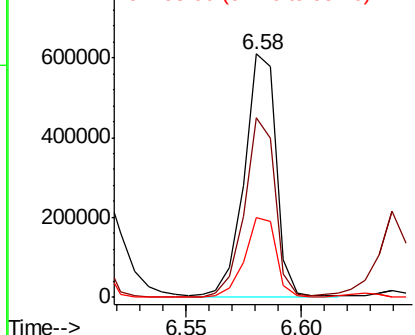
#11
bis(2-Chloroethyl)ether
Concen: 53.987 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

Tgt Ion: 93 Resp: 591771
Ion Ratio Lower Upper
93 100
63 73.6 53.3 93.3
95 33.0 13.4 53.4

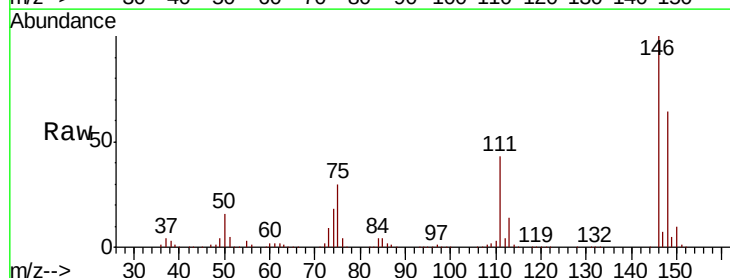


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

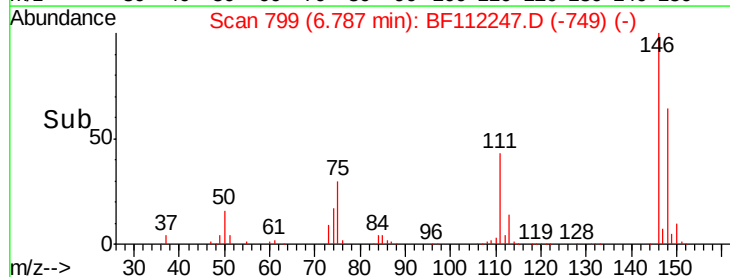
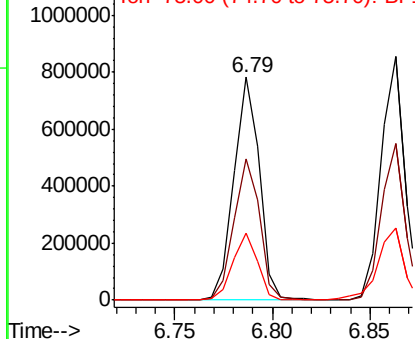


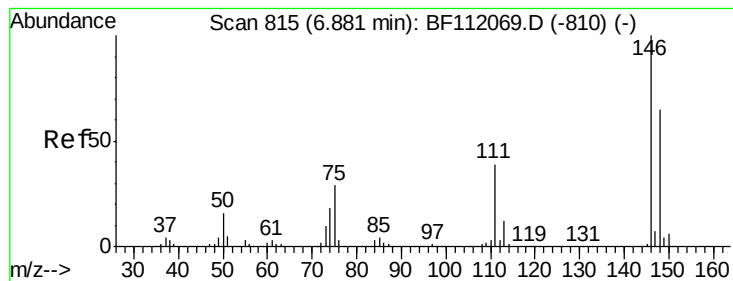
#12
1,3-Dichlorobenzene
Concen: 49.755 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion: 146 Resp: 711910
Ion Ratio Lower Upper
146 100
148 63.6 51.8 77.8
75 30.2 23.1 34.7



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 48.980 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

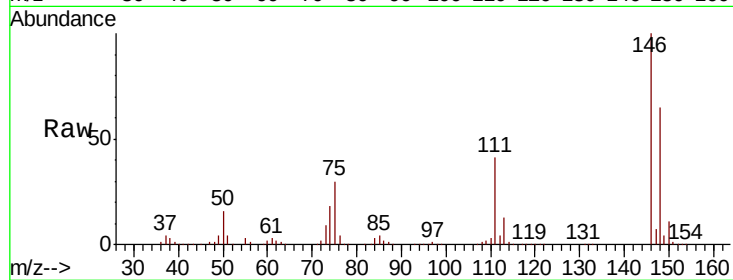
Tgt Ion:146 Resp: 721257

Ion Ratio Lower Upper

146 100

148 64.6 52.0 78.0

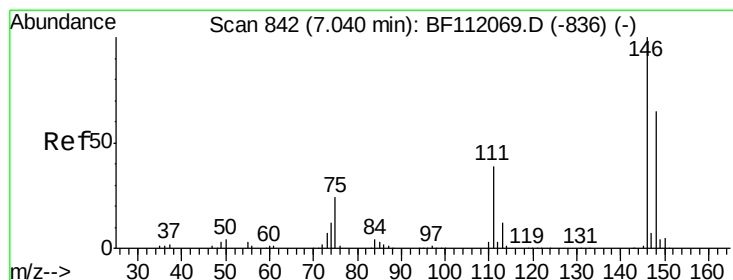
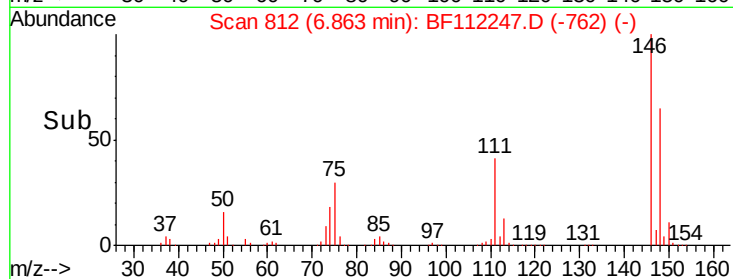
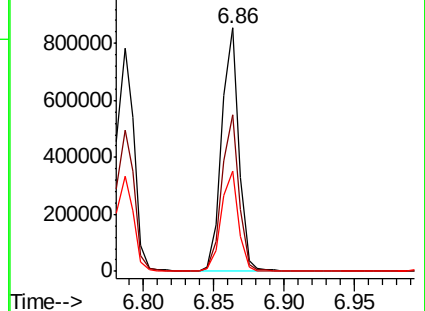
111 41.3 31.2 46.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 48.719 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

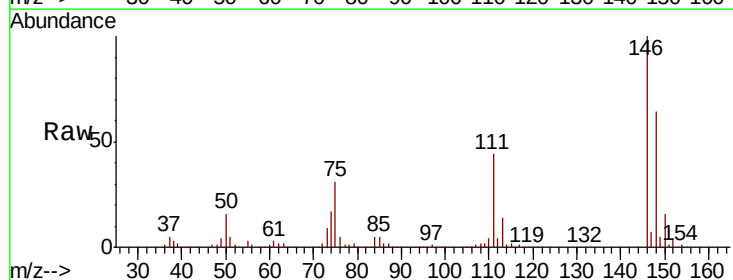
Tgt Ion:146 Resp: 671691

Ion Ratio Lower Upper

146 100

148 63.8 52.2 78.4

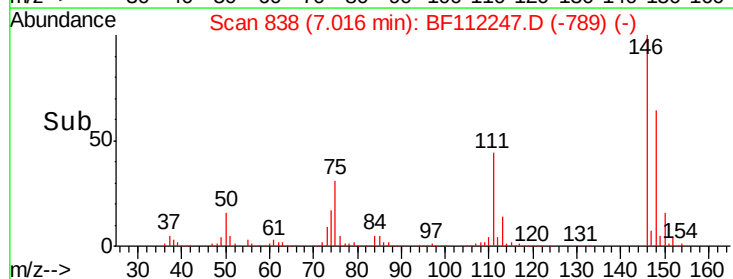
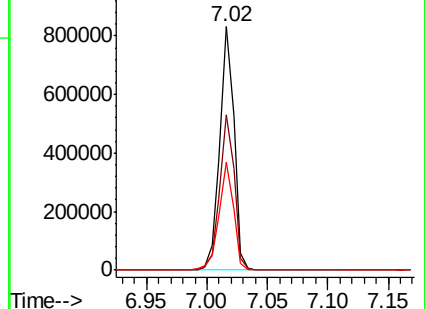
111 44.3 31.2 46.8

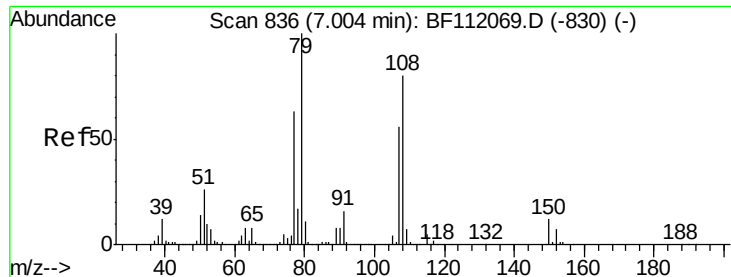


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 51.736 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

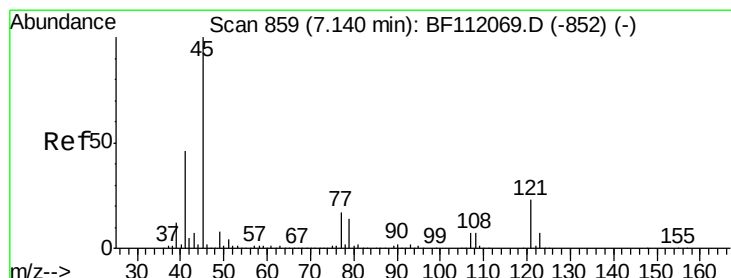
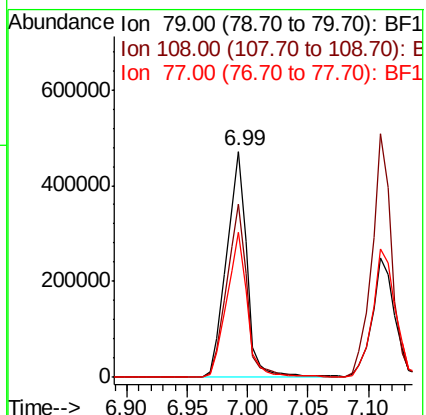
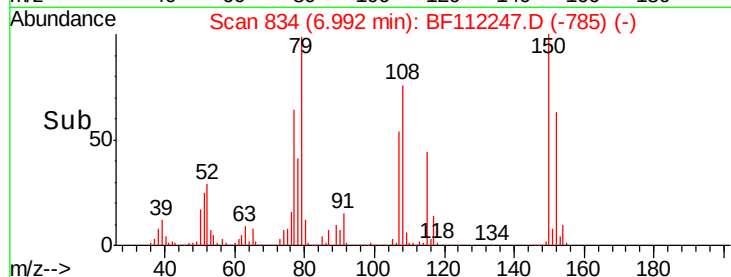
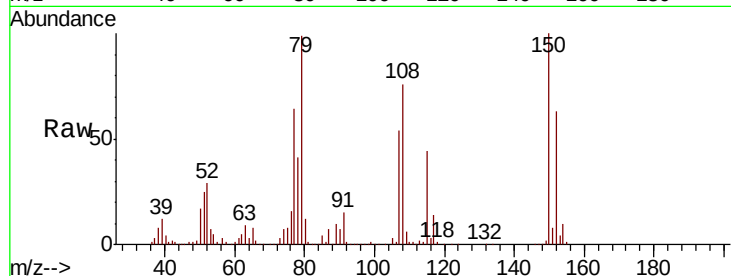
Tgt Ion: 79 Resp: 553455

Ion Ratio Lower Upper

79 100

108 76.6 64.2 96.2

77 64.4 50.3 75.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 50.324 ng

RT: 7.12 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

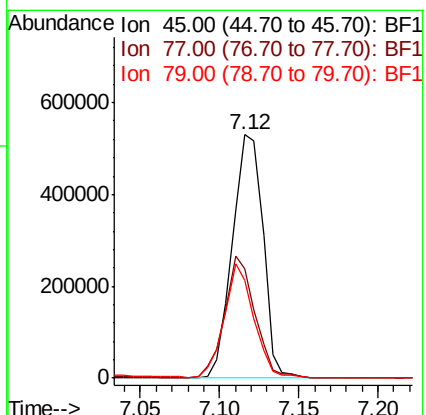
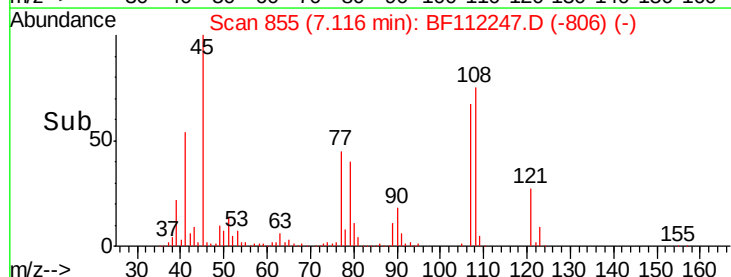
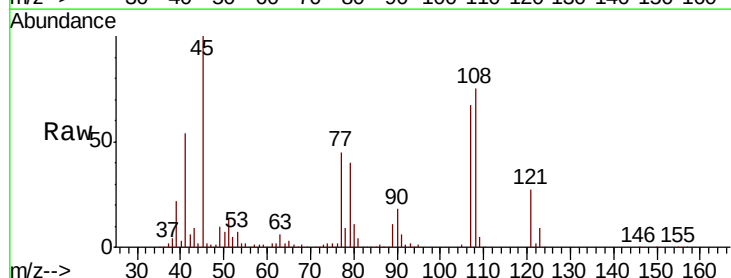
Tgt Ion: 45 Resp: 708256

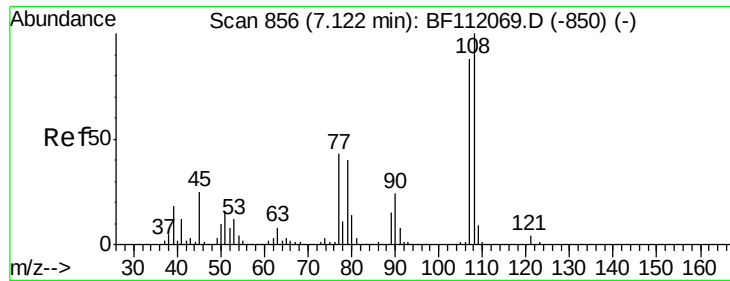
Ion Ratio Lower Upper

45 100

77 45.1 0.0 36.9#

79 40.2 0.0 34.0#

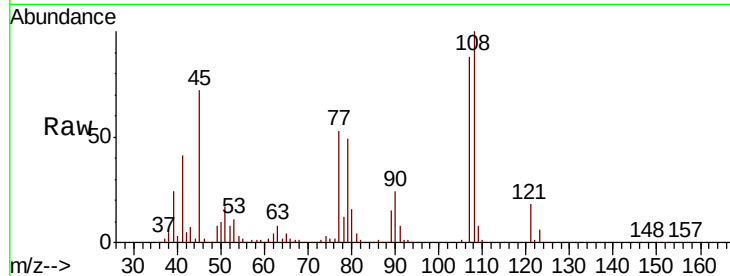




#17
2-Methylphenol
Concen: 54.209 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

Tgt Ion	Ratio	Lower	Upper
107	100		
108	113.5	91.3	136.9
77	59.7	39.0	58.6
79	55.7	37.0	55.4



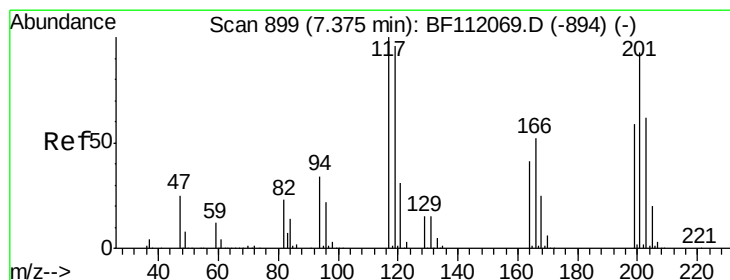
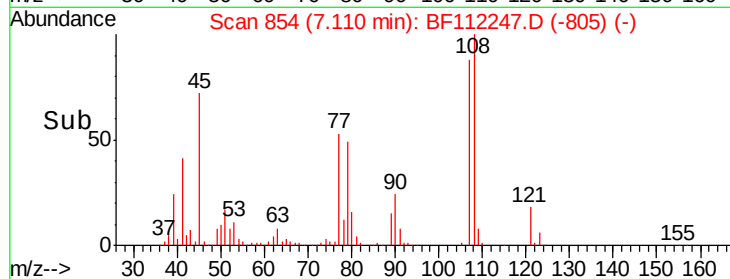
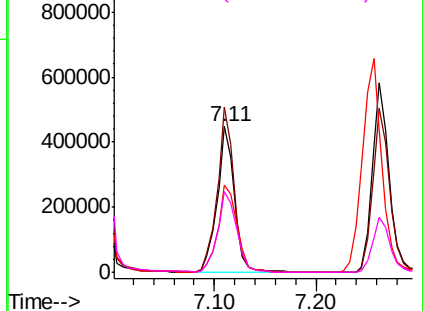
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

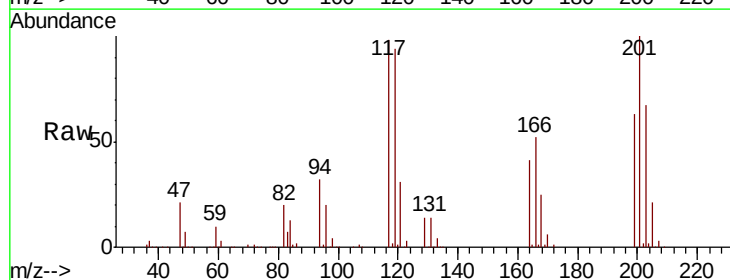
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 49.831 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.0	115.4
201	102.1	74.1	111.1

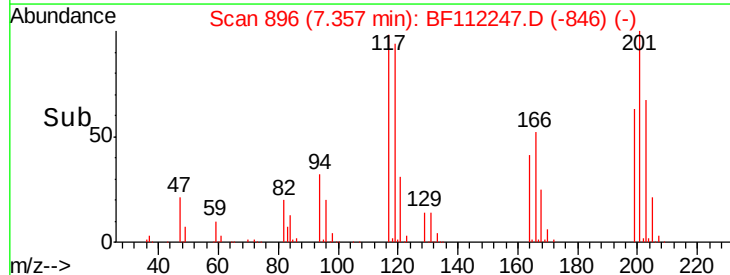
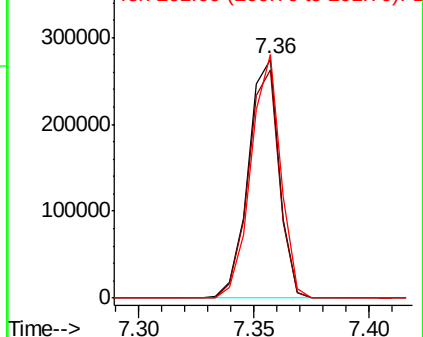


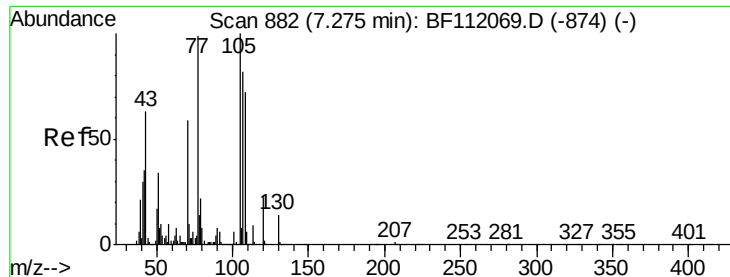
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

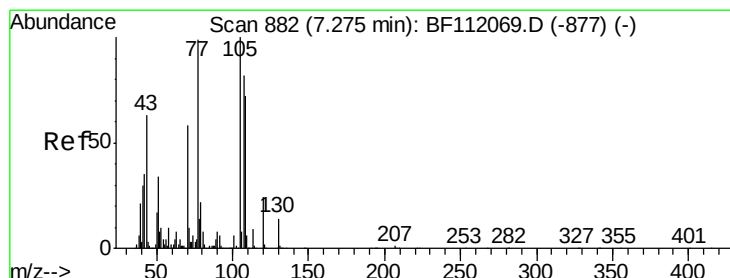
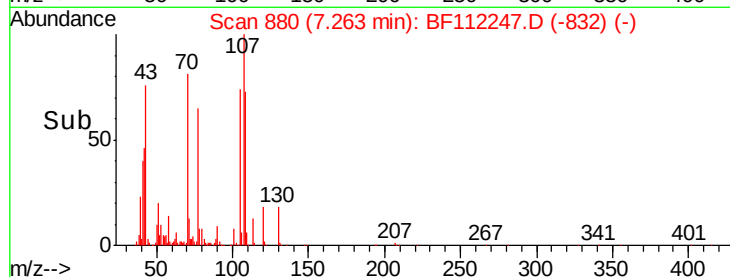
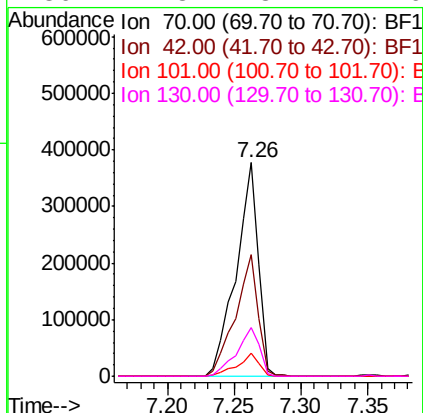
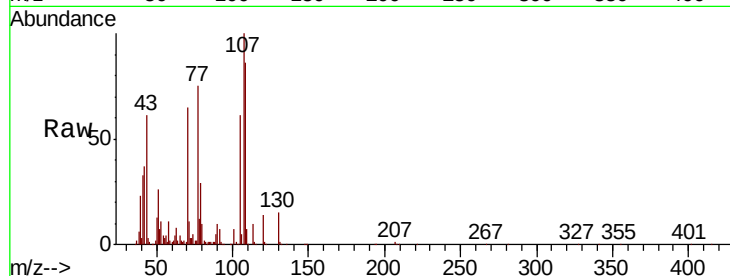




#19
n-Nitroso-di-n-propylamine
Concen: 50.488 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

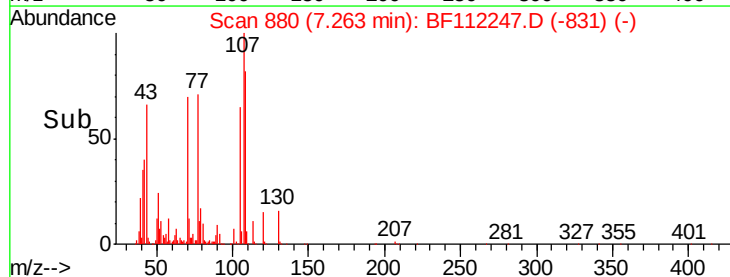
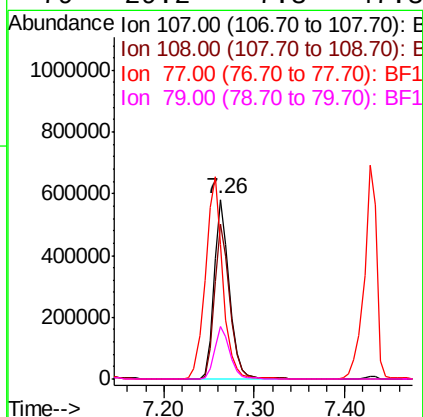
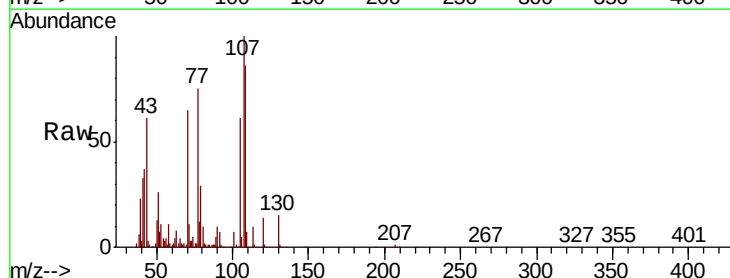
Instrument :
BNA_F
ClientSampleId :
S4MSD

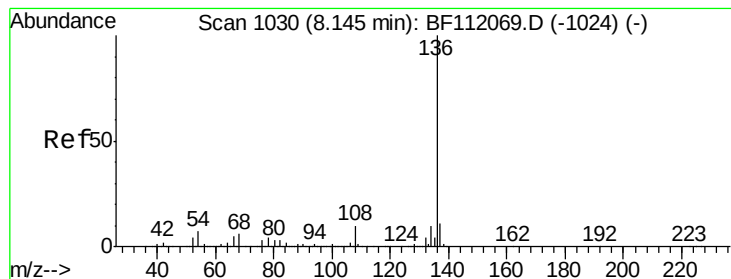
Tgt Ion:	70	Resp:	441802
Ion	Ratio	Lower	Upper
70	100		
42	57.1	47.6	71.4
101	10.5	7.9	11.9
130	22.8	18.4	27.6



#20
3+4-Methylphenols
Concen: 53.774 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion:	107	Resp:	669711
Ion	Ratio	Lower	Upper
107	100		
108	86.5	68.2	108.2
77	75.1	100.7	140.7#
79	29.2	7.3	47.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

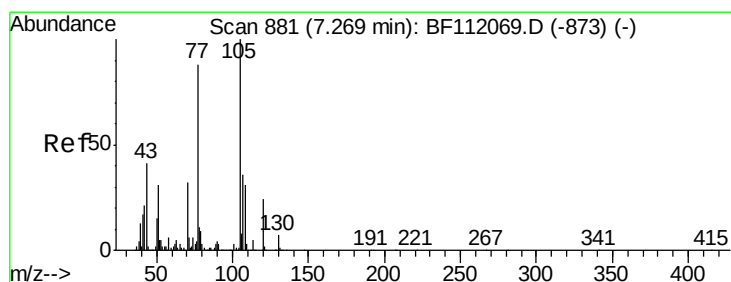
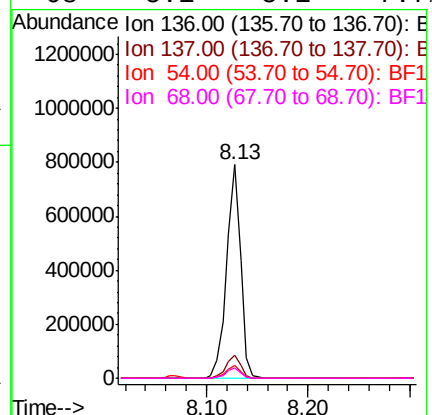
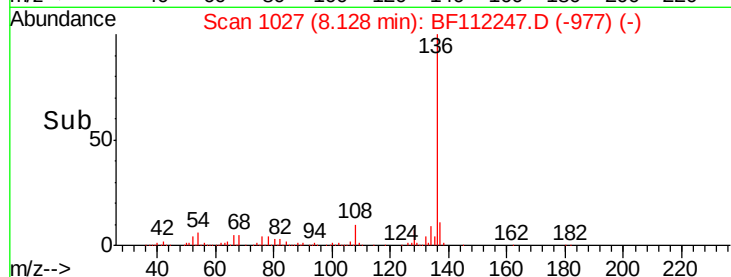
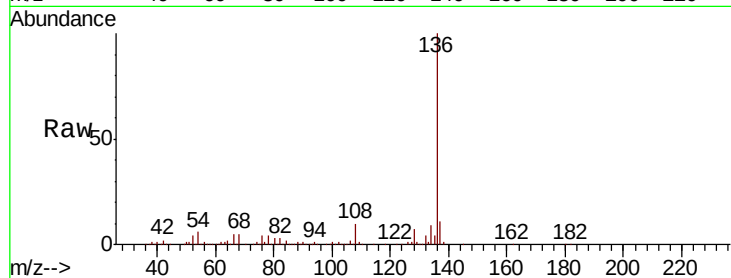
Instrument :

BNA_F

ClientSampleId :

S4MSD

Tgt Ion:	136	Resp:	755515
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.2	5.9	8.9
68	5.1	5.1	7.7#



#22

Acetophenone

Concen: 48.281 ng

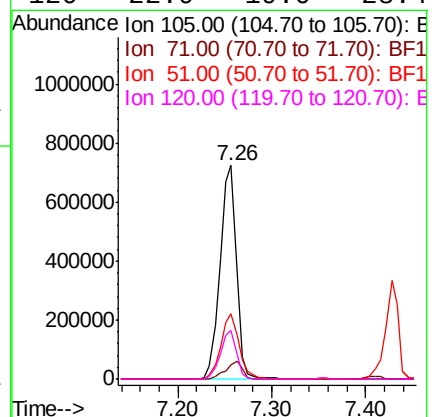
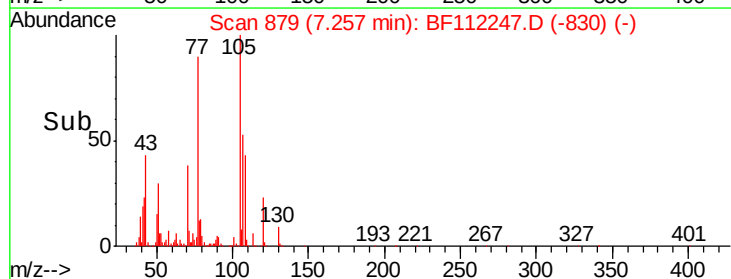
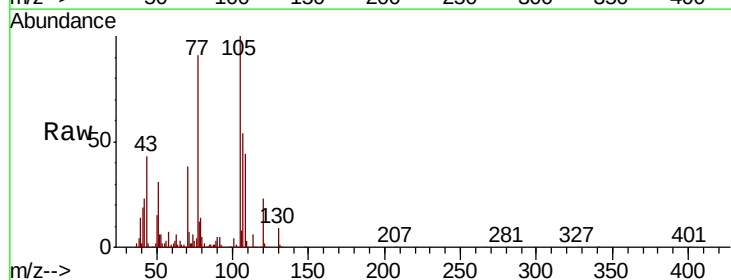
RT: 7.26 min Scan# 879

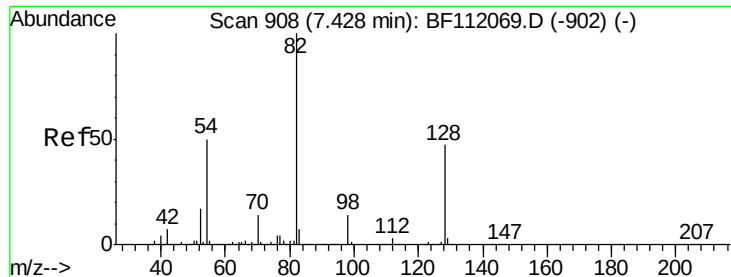
Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Tgt Ion:	105	Resp:	888219
Ion	Ratio	Lower	Upper
105	100		
71	6.5	4.6	6.8
51	30.6	25.0	37.6
120	22.9	19.0	28.4

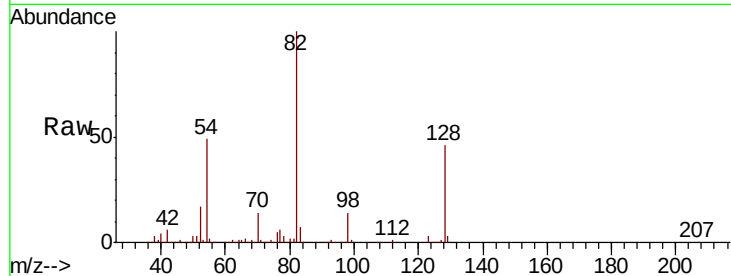




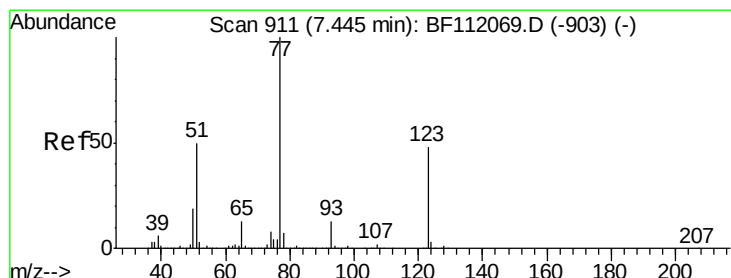
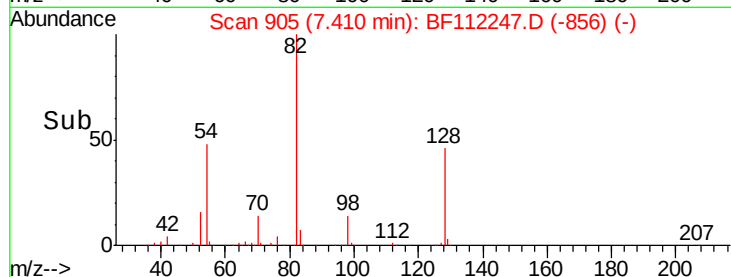
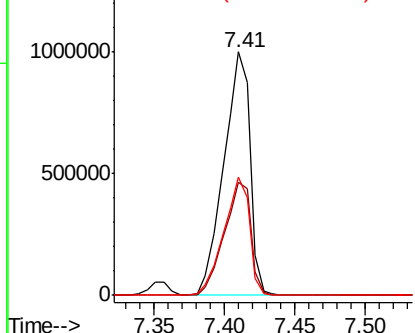
#23
 Nitrobenzene-d5
 Concen: 98.176 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Instrument :
 BNA_F
 ClientSampleId :
 S4MSD

Tgt Ion: 82 Resp: 1287289
 Ion Ratio Lower Upper
 82 100
 128 46.3 37.8 56.8
 54 48.6 39.7 59.5

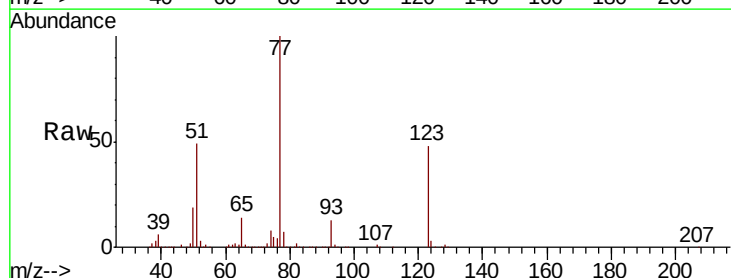


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

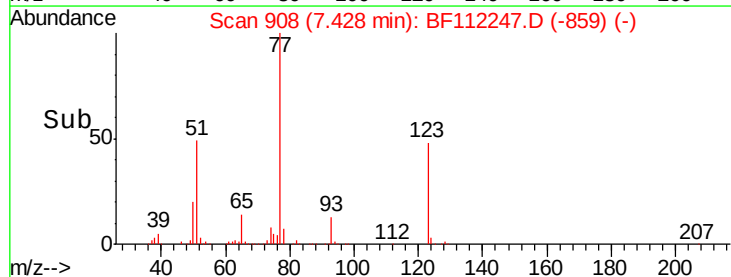
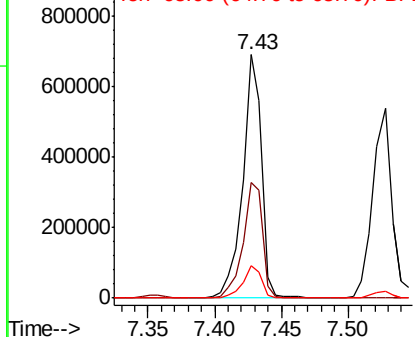


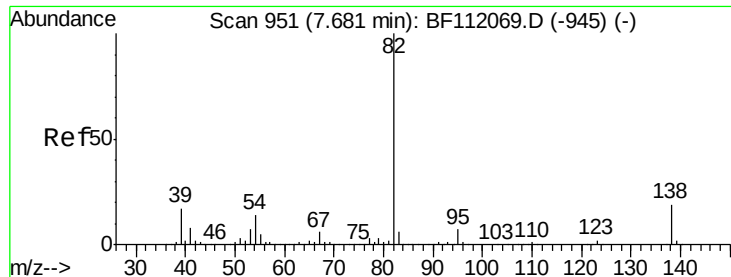
#24
 Nitrobenzene
 Concen: 51.013 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Tgt Ion: 77 Resp: 668022
 Ion Ratio Lower Upper
 77 100
 123 47.7 38.4 57.6
 65 13.6 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1

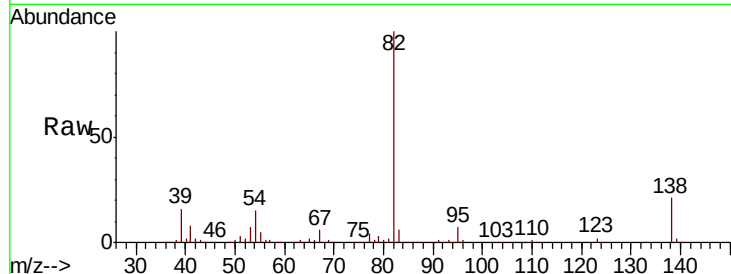




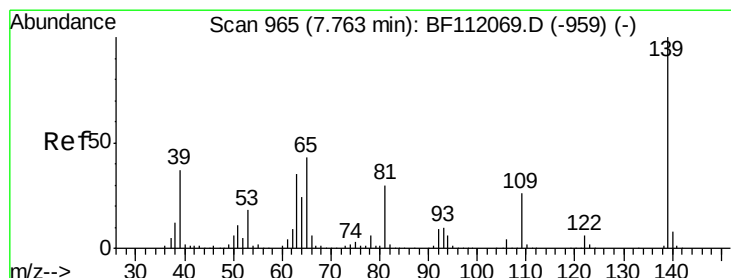
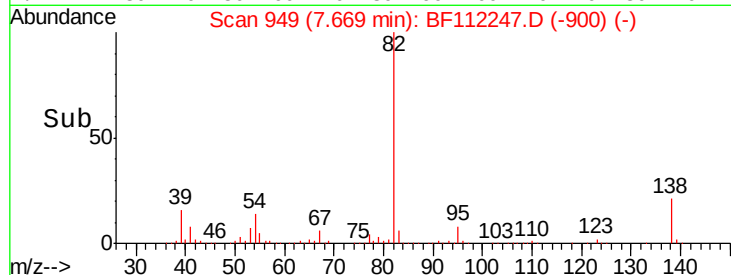
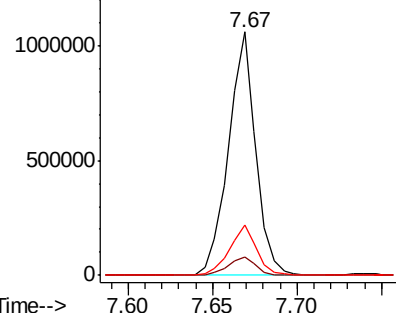
#25
Isophorone
Concen: 58.100 ng
RT: 7.67 min Scan# 949
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampled :
S4MSD

Tgt Ion: 82 Resp: 1195129
Ion Ratio Lower Upper
82 100
95 7.5 5.7 8.5
138 20.5 15.4 23.0

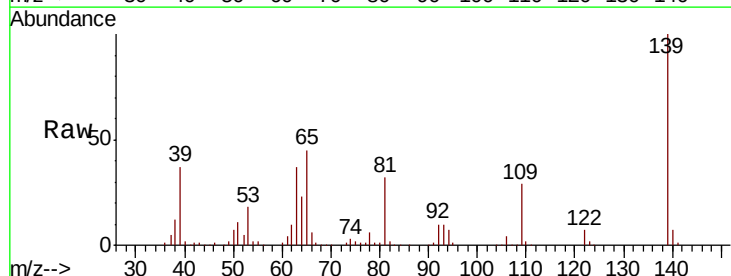


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

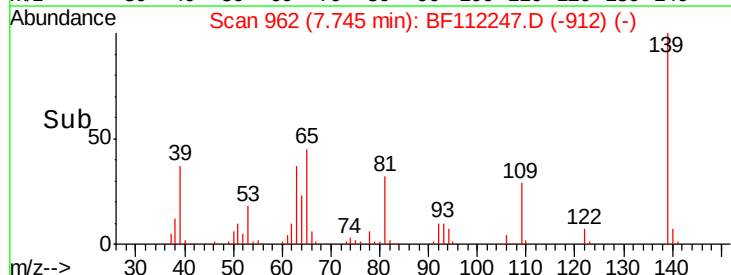
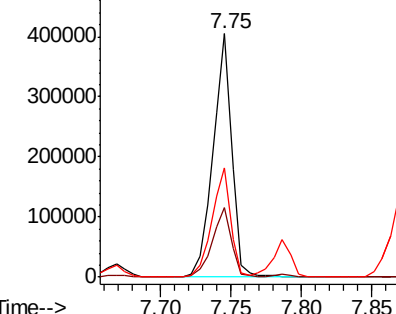


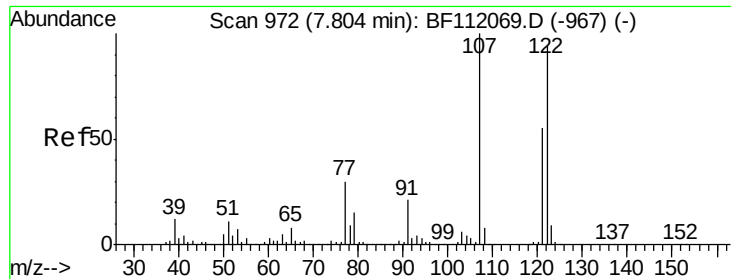
#26
2-Nitrophenol
Concen: 53.463 ng
RT: 7.75 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion: 139 Resp: 374144
Ion Ratio Lower Upper
139 100
109 28.6 20.8 31.2
65 44.9 34.4 51.6



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

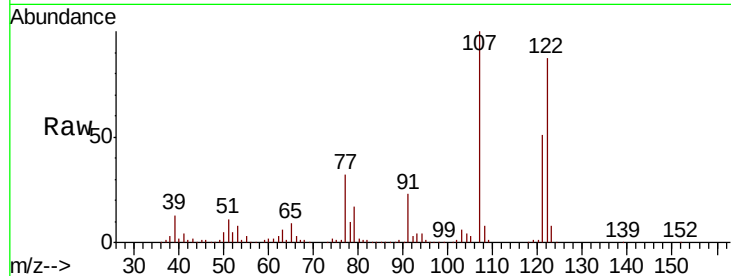




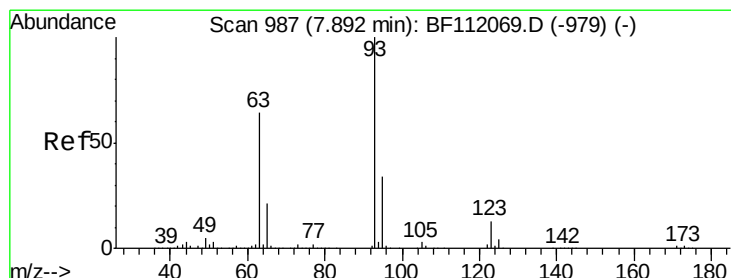
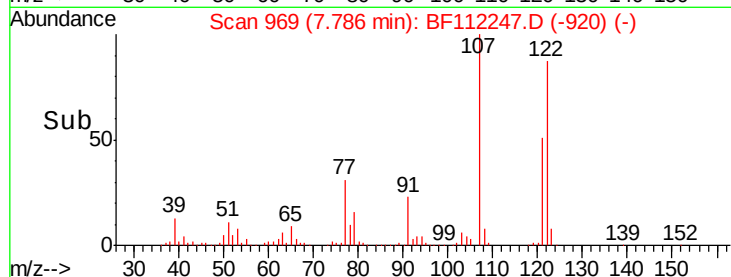
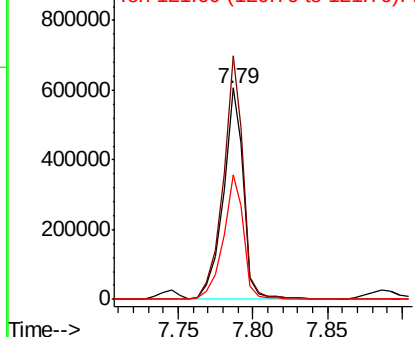
#27
 2,4-Dimethylphenol
 Concen: 60.211 ng
 RT: 7.79 min Scan# 969
 Delta R.T. -0.01 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Instrument :
 BNA_F
 ClientSampleId :
 S4MSD

Tgt Ion: 122 Resp: 580548
 Ion Ratio Lower Upper
 122 100
 107 115.3 85.4 128.0
 121 59.0 47.0 70.4

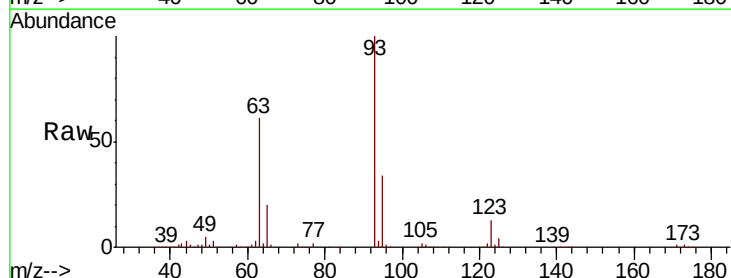


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

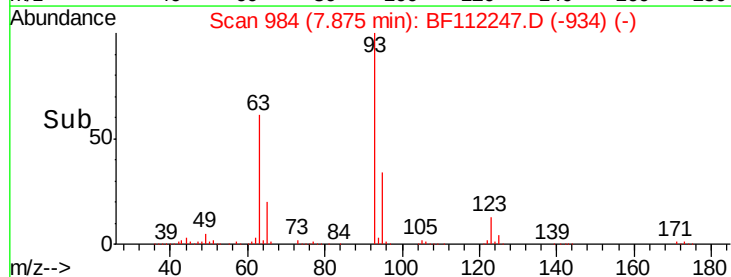
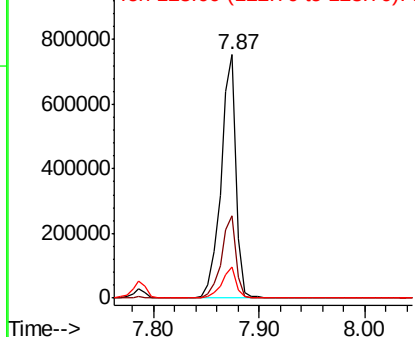


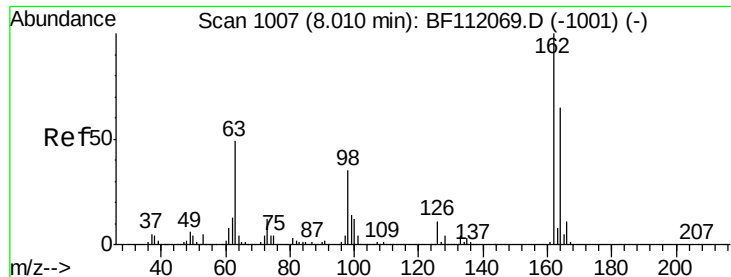
#28
 bis(2-Chloroethoxy)methane
 Concen: 53.744 ng
 RT: 7.87 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Tgt Ion: 93 Resp: 752750
 Ion Ratio Lower Upper
 93 100
 95 33.6 26.8 40.2
 123 12.7 10.2 15.2



Abundance Ion 93.00 (92.70 to 93.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 123.00 (122.70 to 123.70): E

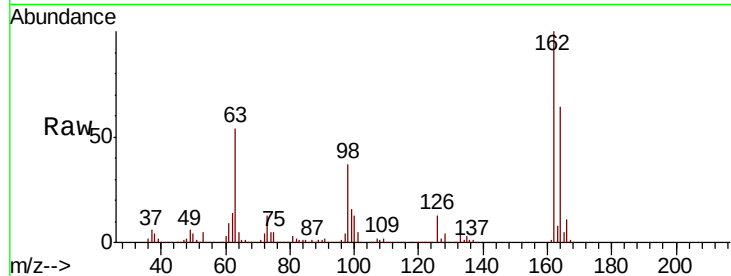




#29
2,4-Dichlorophenol
Concen: 53.130 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.6	84.6
98	37.1	14.6	54.6

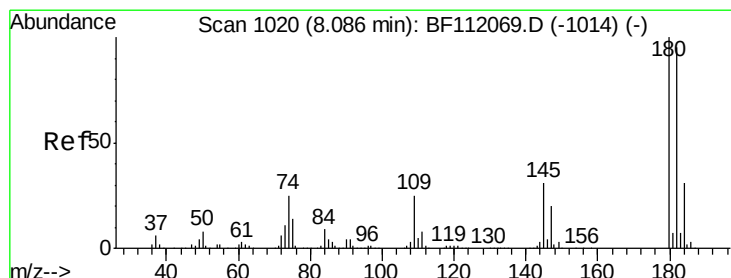
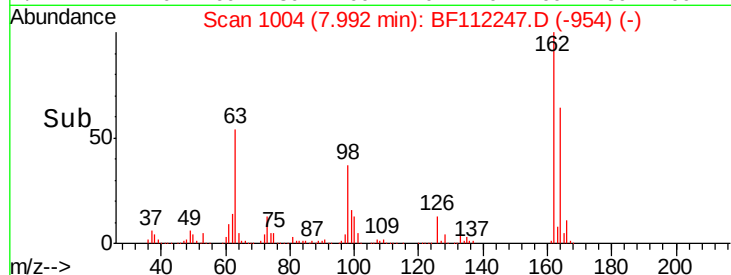
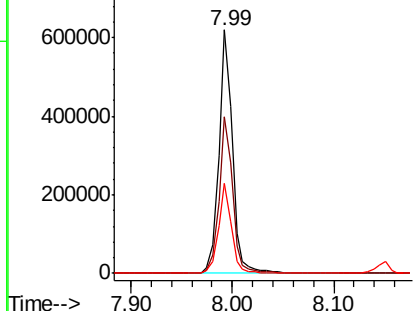


Abundance

Ion 162.00 (161.70 to 162.70): E

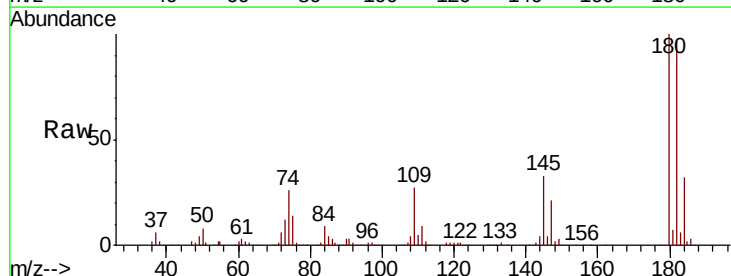
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 49.139 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.4	114.6
145	33.5	25.0	37.4

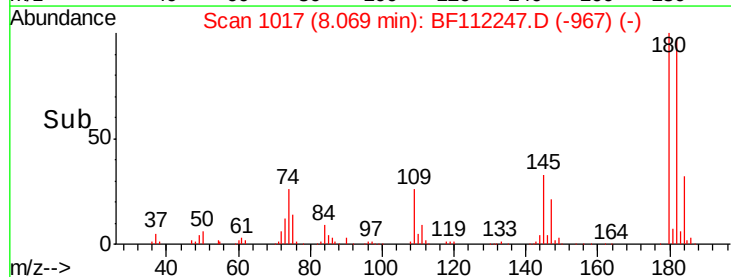
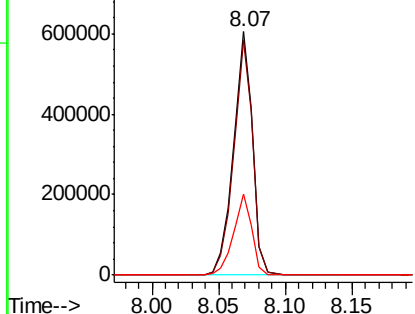


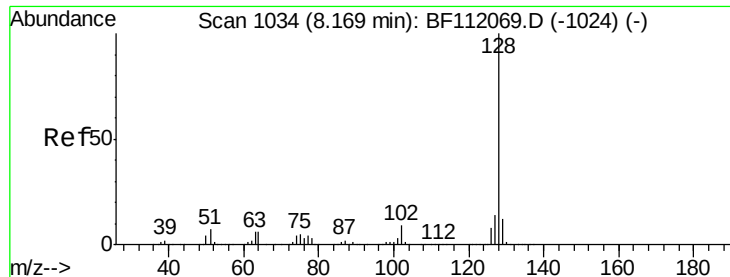
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

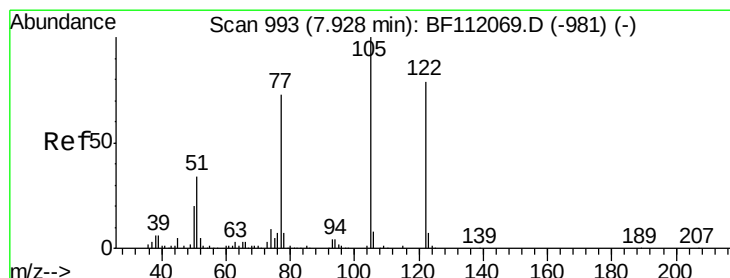
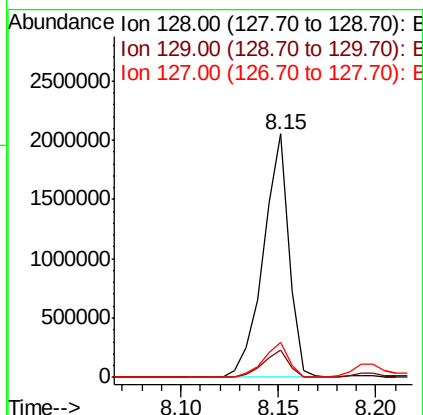
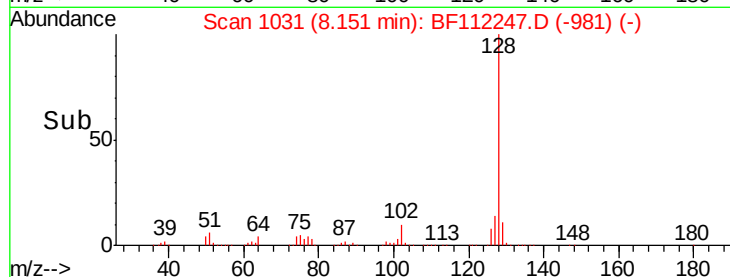
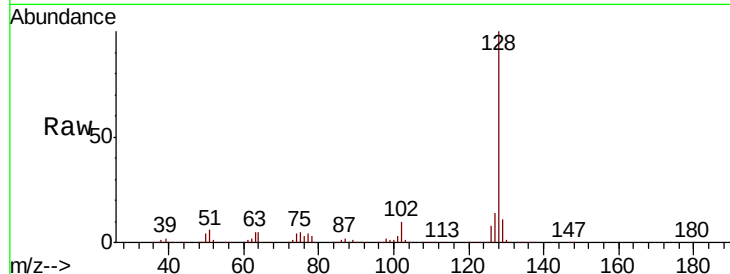




#31
Naphthalene
Concen: 52.958 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

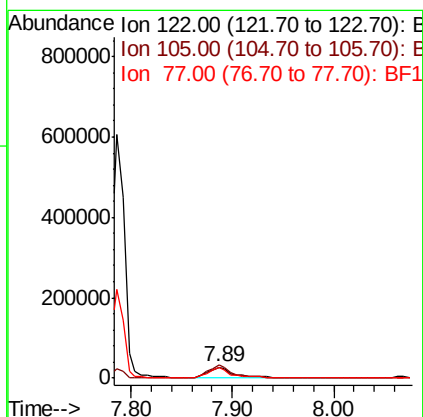
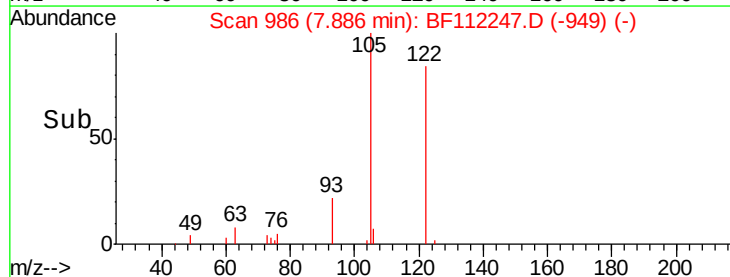
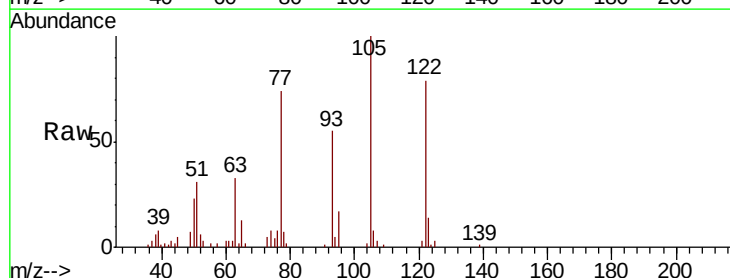
Instrument :
BNA_F
ClientSampleId :
S4MSD

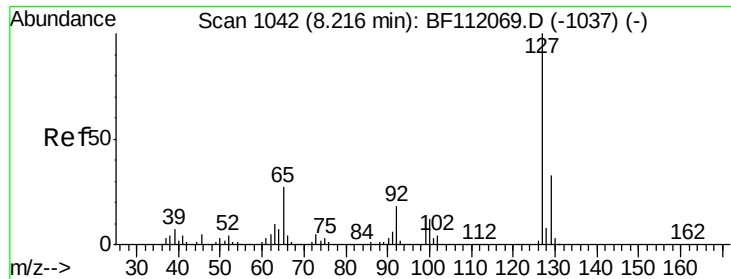
Tgt Ion:128 Resp: 1871084
Ion Ratio Lower Upper
128 100
129 11.4 9.6 14.4
127 14.1 11.1 16.7



#32
Benzoic acid
Concen: 8.667 ng
RT: 7.89 min Scan# 986
Delta R.T. -0.08 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion:122 Resp: 47670
Ion Ratio Lower Upper
122 100
105 126.9 101.2 141.2
77 94.4 70.4 110.4

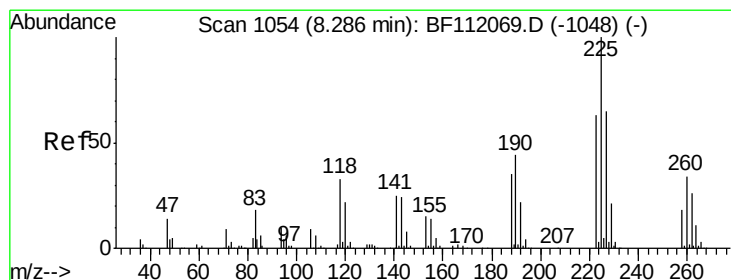
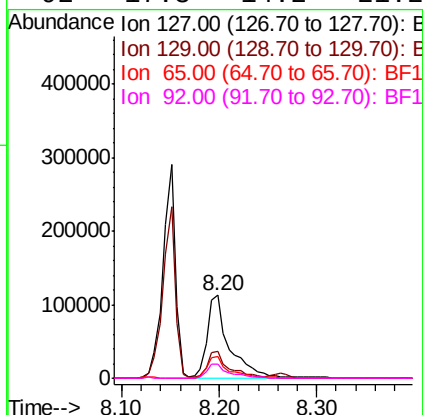
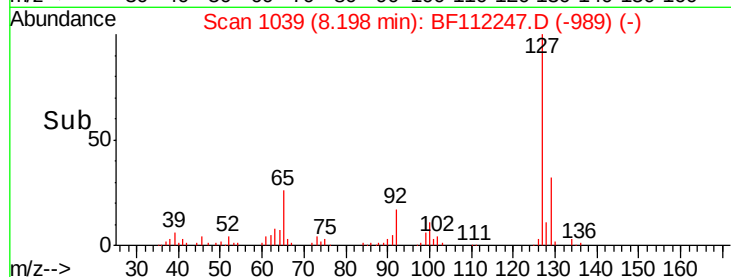
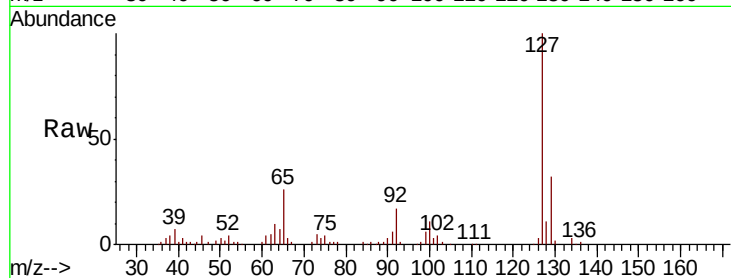




#33
4-Chloroaniline
Concen: 11.515 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

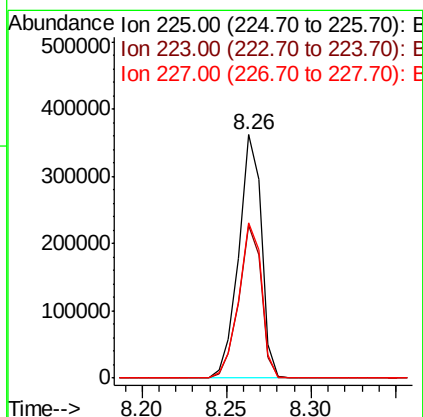
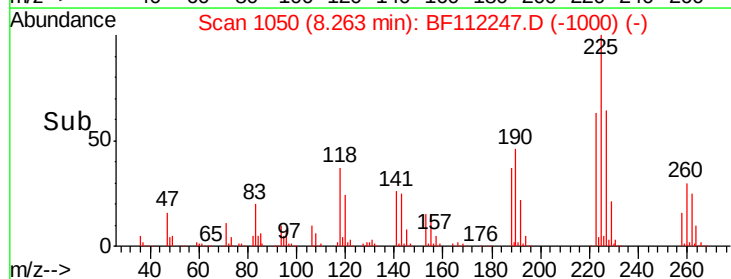
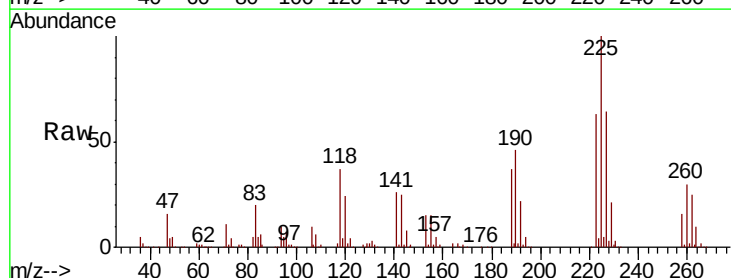
Instrument :
BNA_F
ClientSampleId :
S4MSD

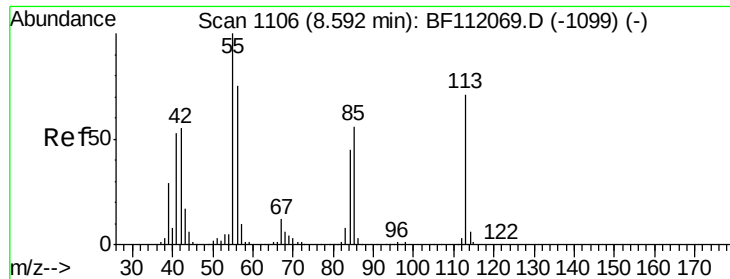
Tgt Ion:	127	Resp:	177143
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.6	39.8
65	26.3	21.4	32.2
92	17.3	14.2	21.2



#34
Hexachlorobutadiene
Concen: 46.702 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion:	225	Resp:	339906
Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.3	75.5
227	63.6	51.8	77.8

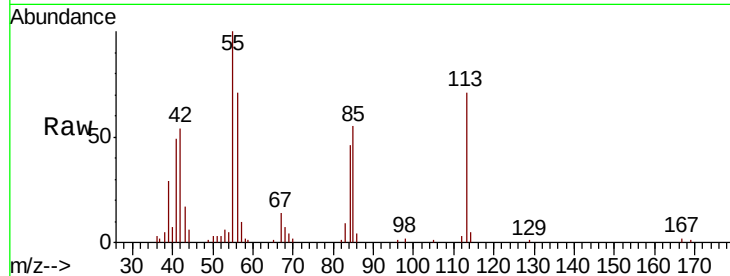




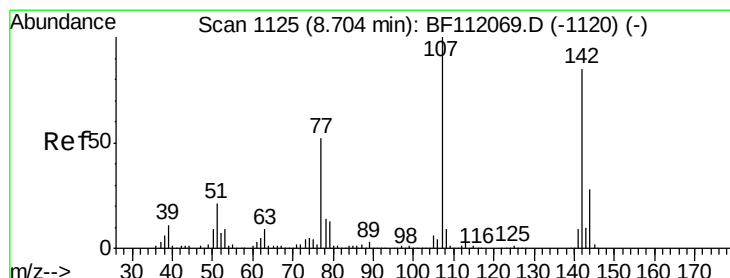
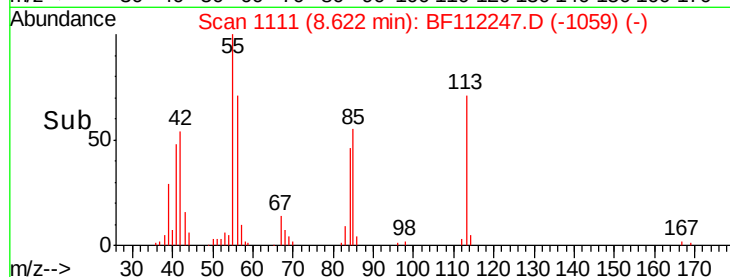
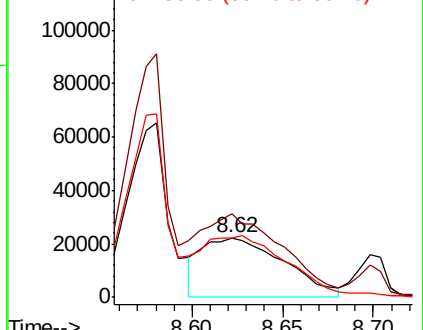
#35
Caprolactam
Concen: 18.511 ng
RT: 8.62 min Scan# 1111
Delta R.T. 0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

Tgt Ion:113 Resp: 70461
Ion Ratio Lower Upper
113 100
55 140.4 121.6 161.6
56 99.6 86.7 126.7

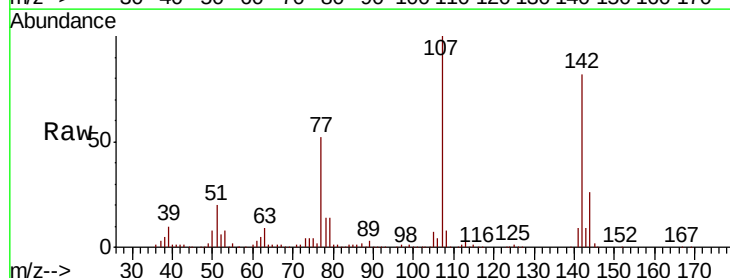


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

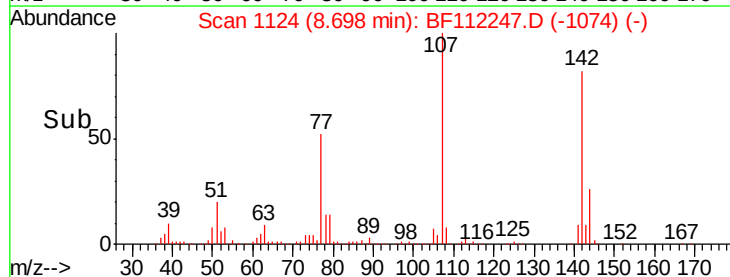
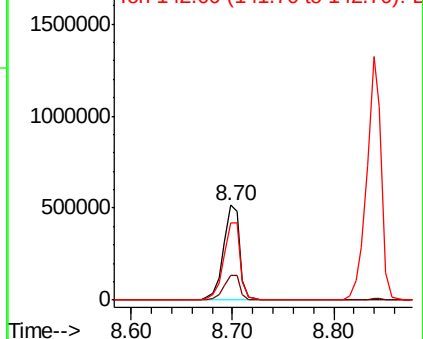


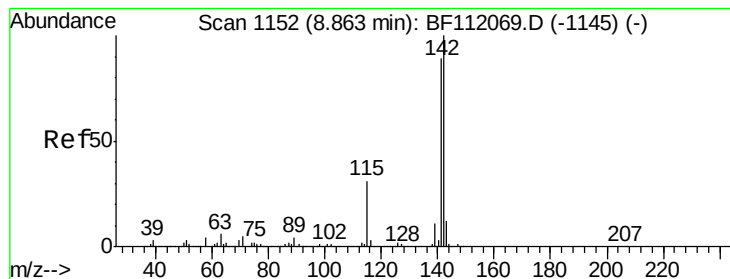
#36
4-Chloro-3-methylphenol
Concen: 50.979 ng
RT: 8.70 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion:107 Resp: 582305
Ion Ratio Lower Upper
107 100
144 26.5 22.2 33.2
142 81.8 67.7 101.5



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 54.125 ng

RT: 8.84 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

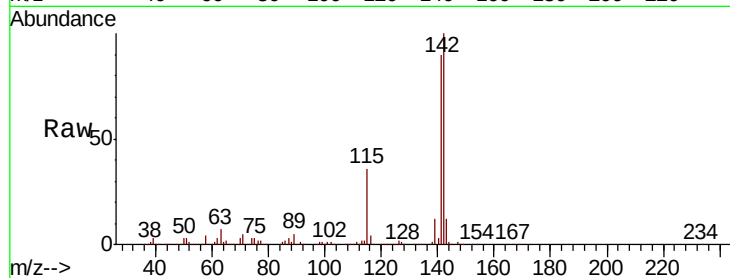
Tgt Ion:142 Resp: 1309122

Ion Ratio Lower Upper

142 100

141 90.4 70.9 106.3

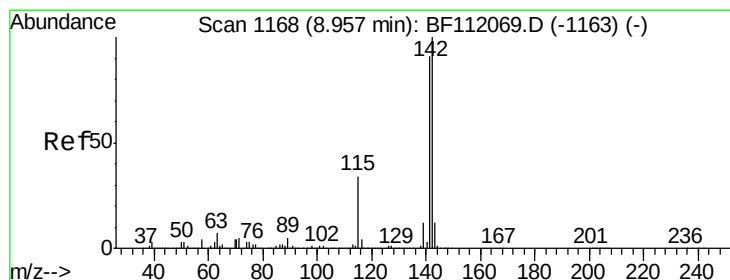
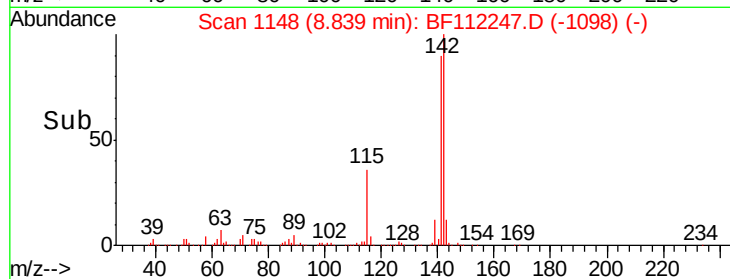
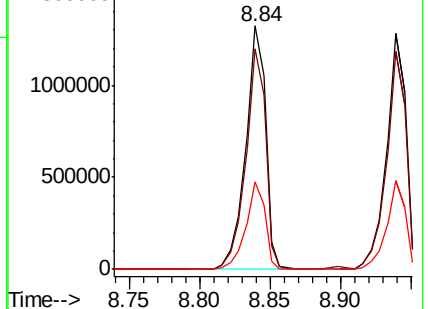
115 36.0 24.9 37.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 53.074 ng

RT: 8.94 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

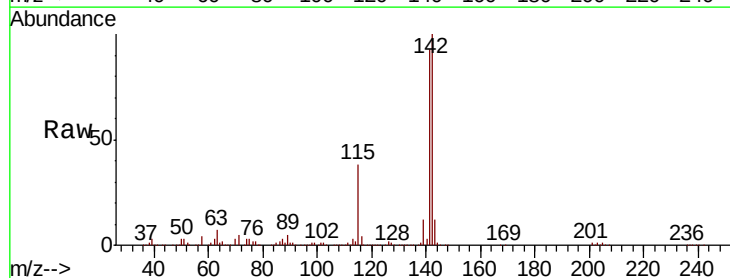
Tgt Ion:142 Resp: 1230413

Ion Ratio Lower Upper

142 100

141 92.6 72.6 108.8

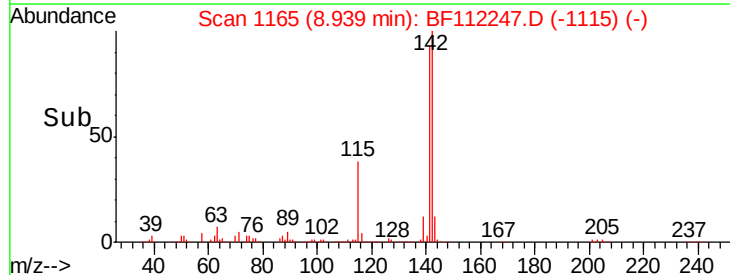
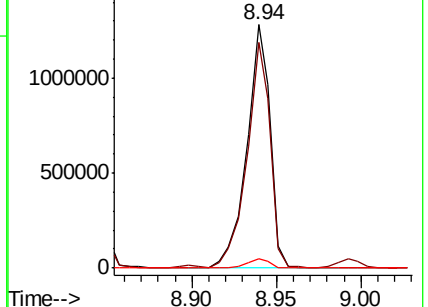
116 4.0 2.8 4.2

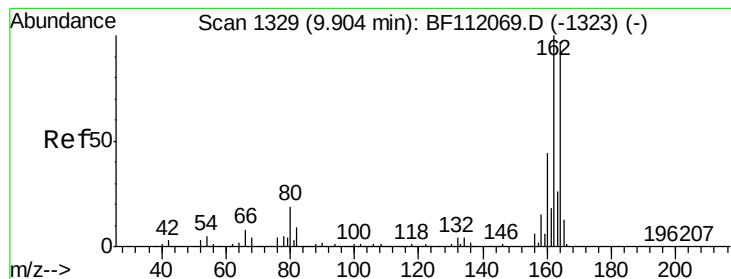


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

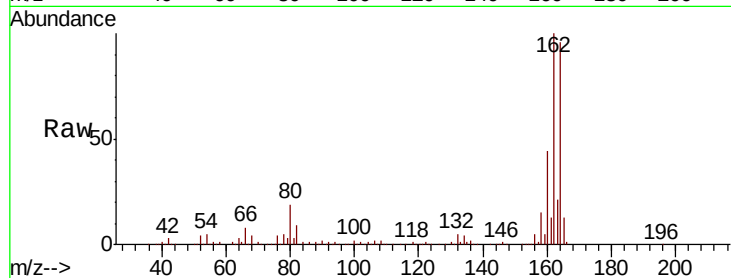
Tgt Ion:164 Resp: 361445

Ion Ratio Lower Upper

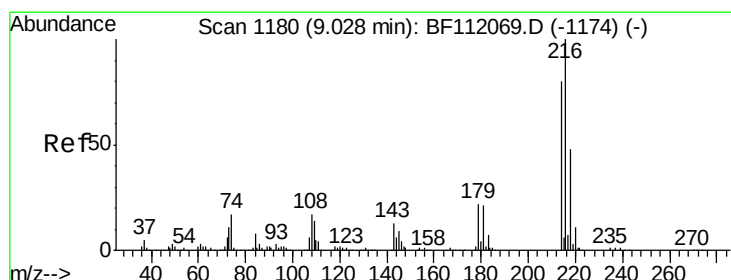
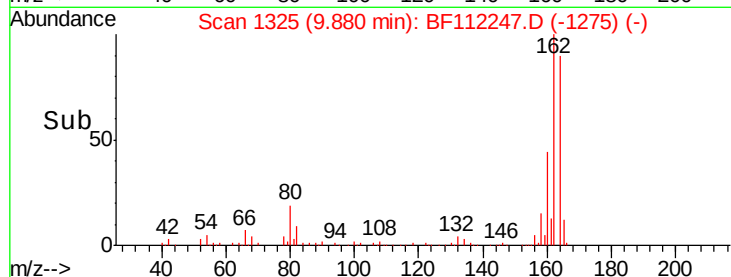
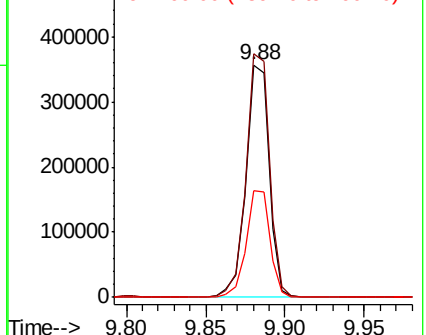
164 100

162 104.7 82.2 123.4

160 45.9 36.2 54.4



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.087 ng

RT: 9.01 min Scan# 1177

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Tgt Ion:216 Resp: 594411

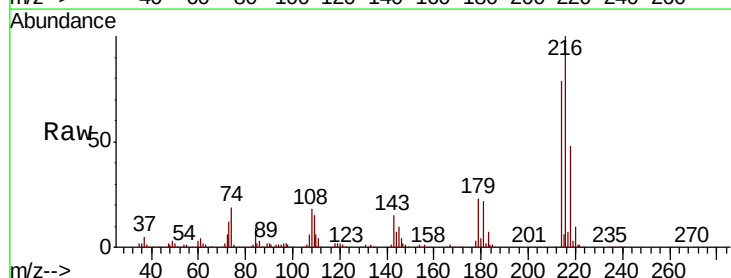
Ion Ratio Lower Upper

216 100

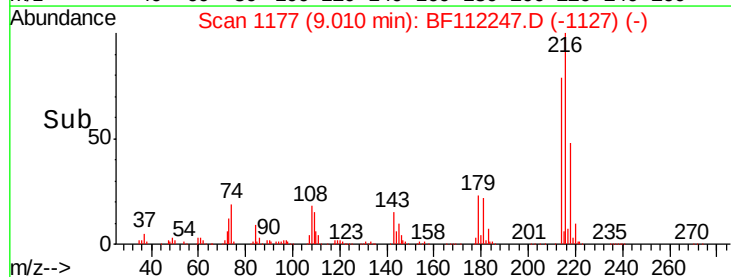
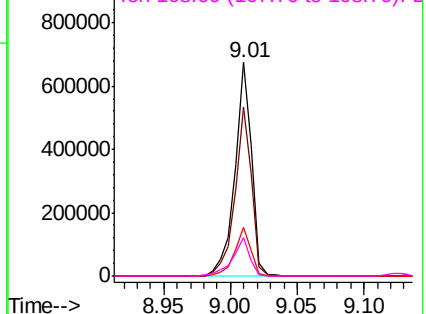
214 78.7 63.8 95.6

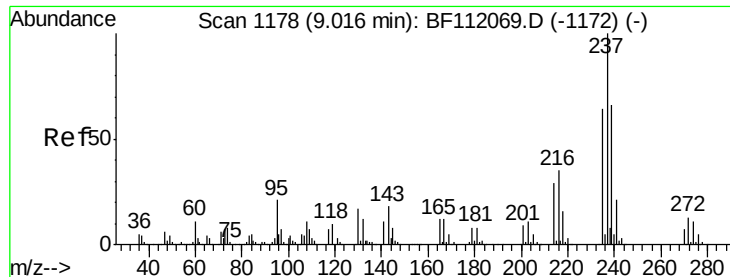
179 22.4 16.9 25.3

108 18.9 14.2 21.4



Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E

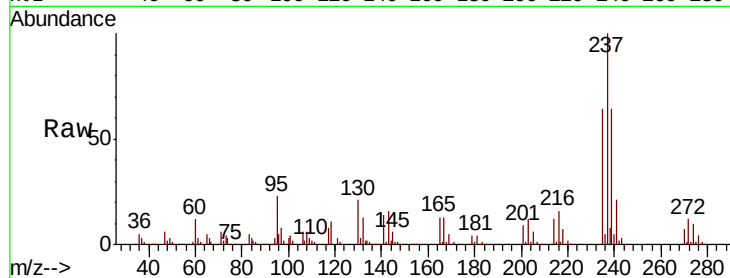




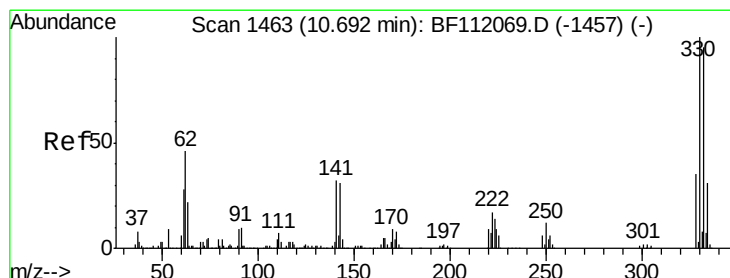
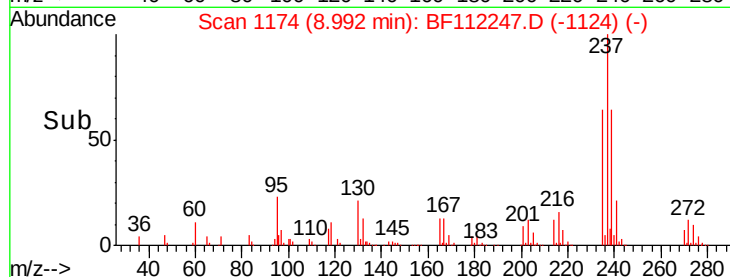
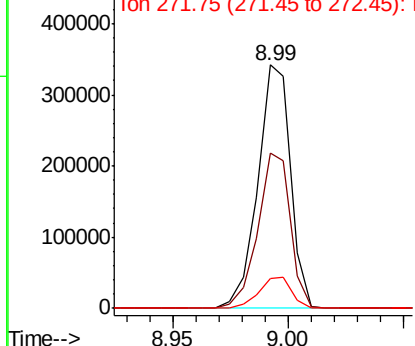
#41
Hexachlorocyclopentadiene
Concen: 75.786 ng
RT: 8.99 min Scan# 1174
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

Tgt Ion: 237 Resp: 338308
Ion Ratio Lower Upper
237 100
235 63.7 44.0 84.0
272 12.4 0.0 33.3

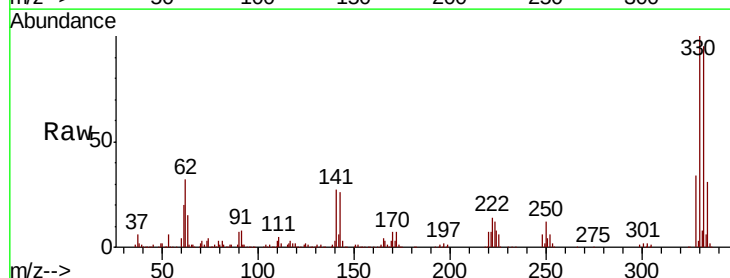


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

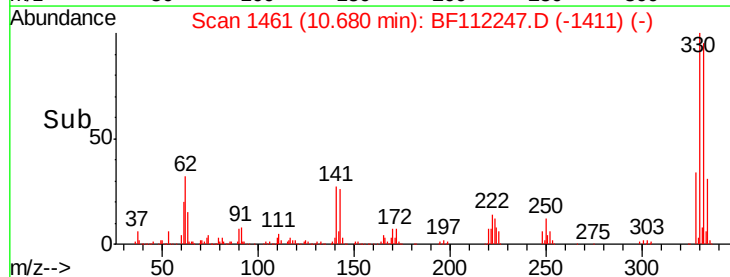
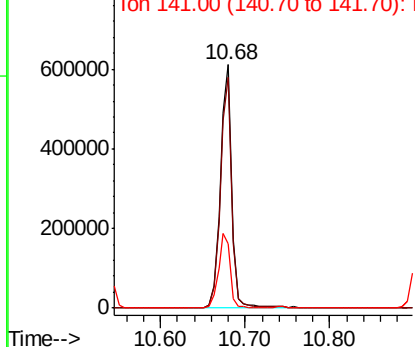


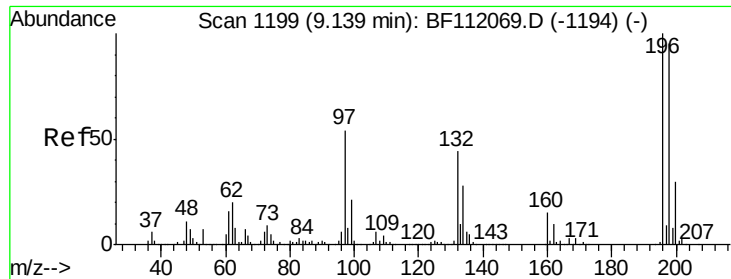
#42
2,4,6-Tribromophenol
Concen: 139.443 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion: 330 Resp: 586654
Ion Ratio Lower Upper
330 100
332 94.5 76.6 114.8
141 32.1 24.3 36.5



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

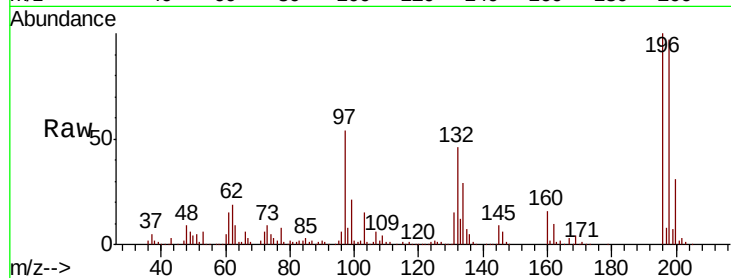




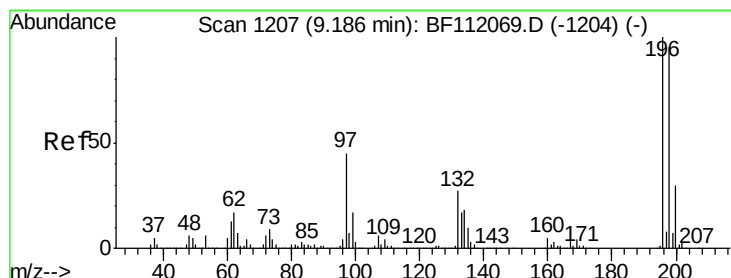
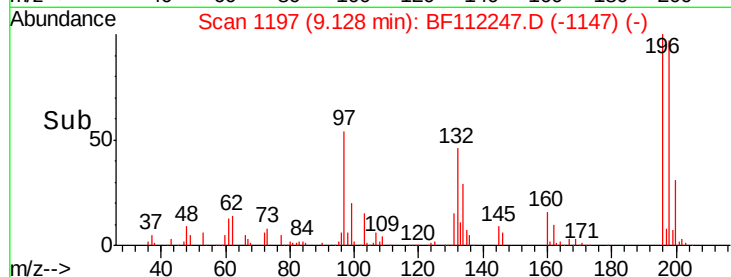
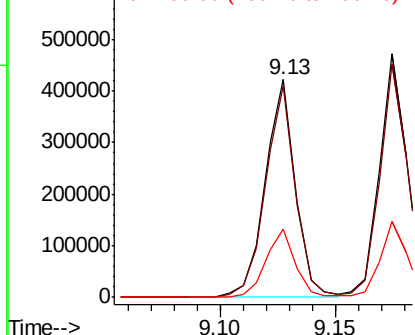
#43
 2,4,6-Trichlorophenol
 Concen: 52.464 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Instrument :
 BNA_F
 ClientSampleId :
 S4MSD

Tgt Ion:196 Resp: 383789
 Ion Ratio Lower Upper
 196 100
 198 96.9 76.2 114.4
 200 31.5 24.3 36.5

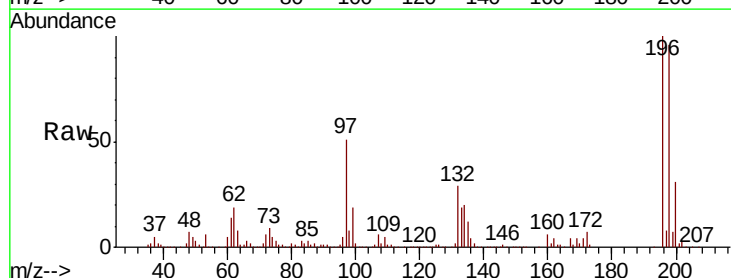


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

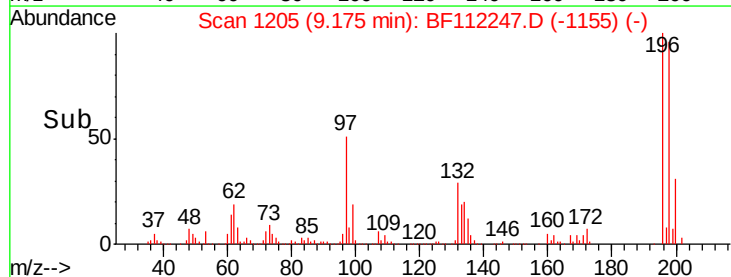
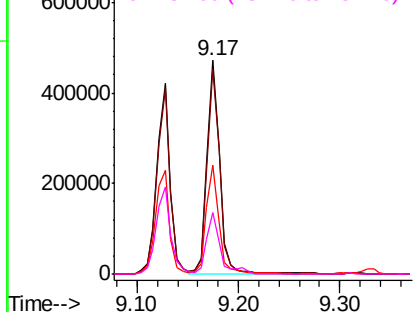


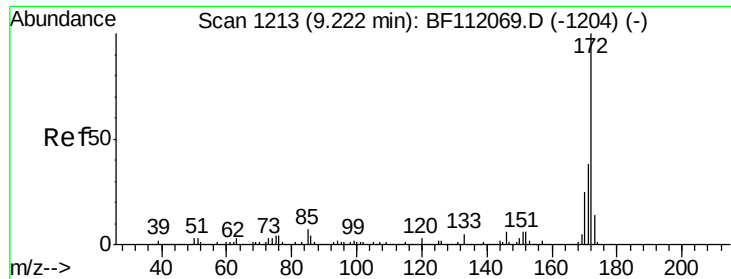
#44
 2,4,5-Trichlorophenol
 Concen: 53.186 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Tgt Ion:196 Resp: 406630
 Ion Ratio Lower Upper
 196 100
 198 95.8 76.0 114.0
 97 51.0 36.4 54.6
 132 28.9 21.5 32.3



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

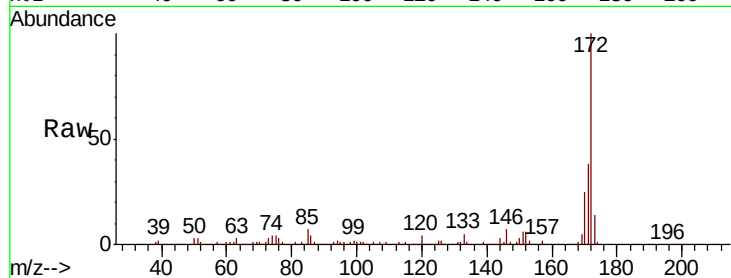




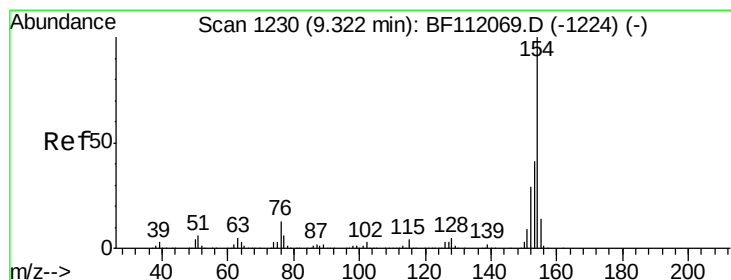
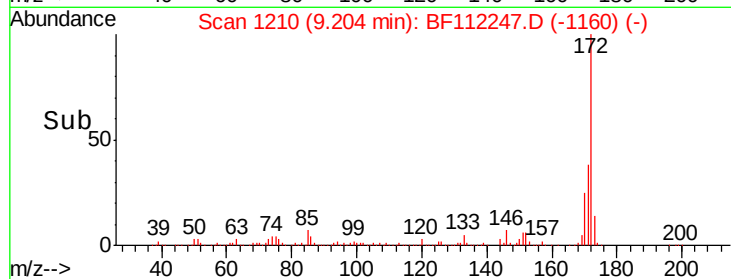
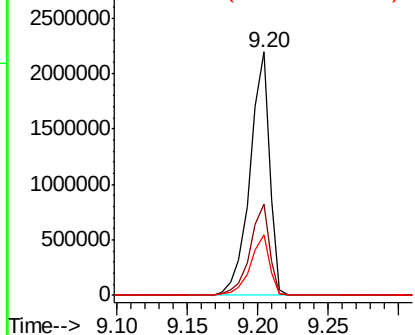
#45
 2-Fluorobiphenyl
 Concen: 84.297 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Instrument :
 BNA_F
 ClientSampleId :
 S4MSD

Tgt Ion:172 Resp: 2154267
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.5 45.7
 170 24.7 20.2 30.4

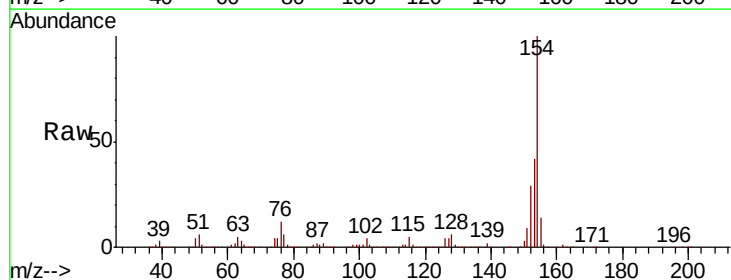


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

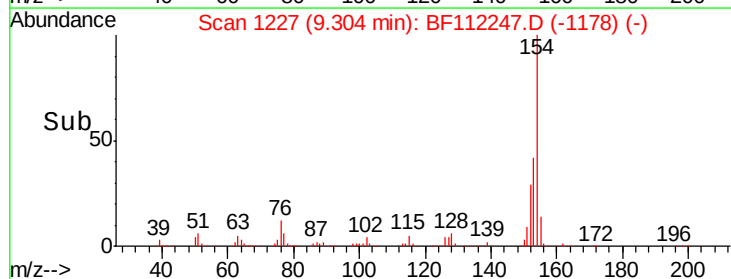
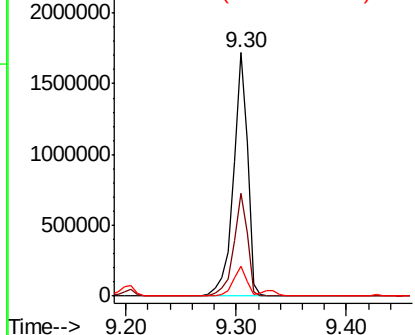


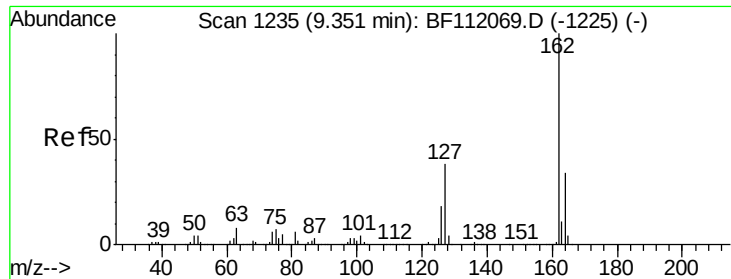
#46
 1,1'-Biphenyl
 Concen: 48.838 ng
 RT: 9.30 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Tgt Ion:154 Resp: 1543220
 Ion Ratio Lower Upper
 154 100
 153 42.1 21.5 61.5
 76 12.3 0.0 33.1



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

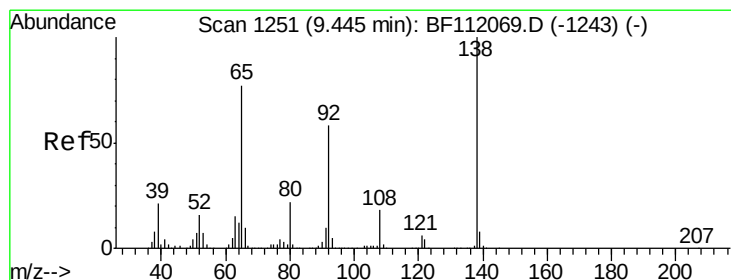
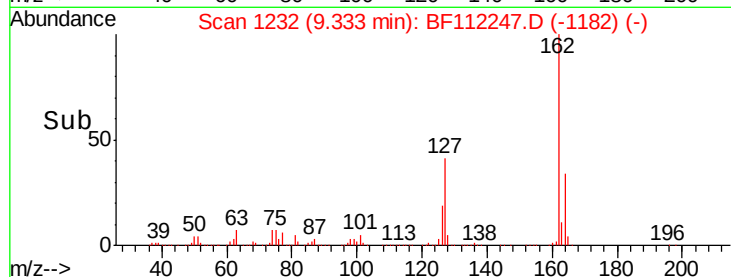
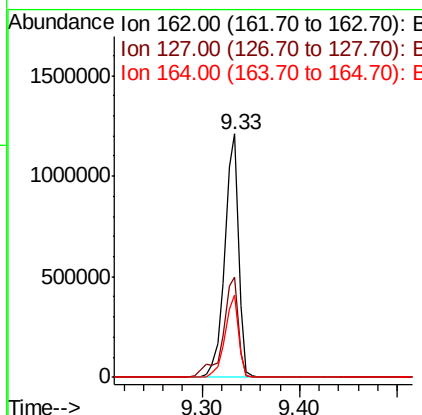
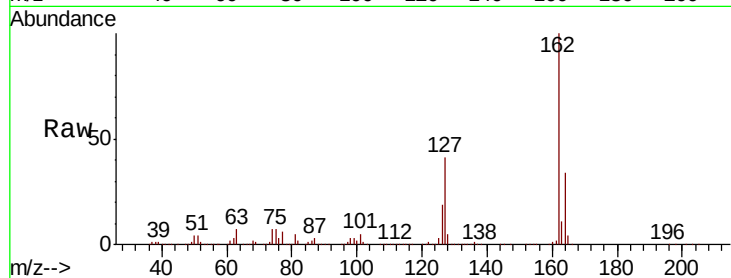




#47
 2-Chloronaphthalene
 Concen: 48.741 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

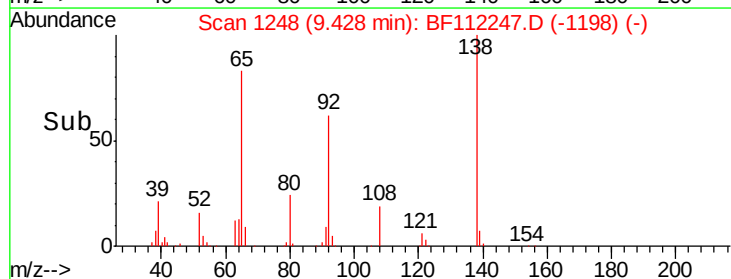
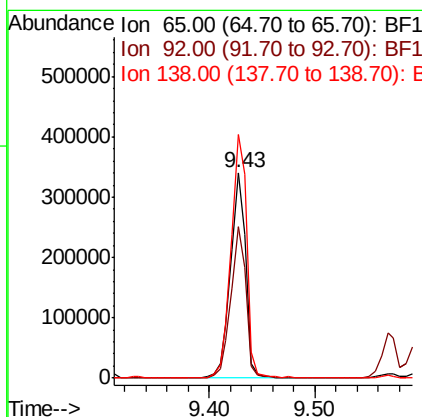
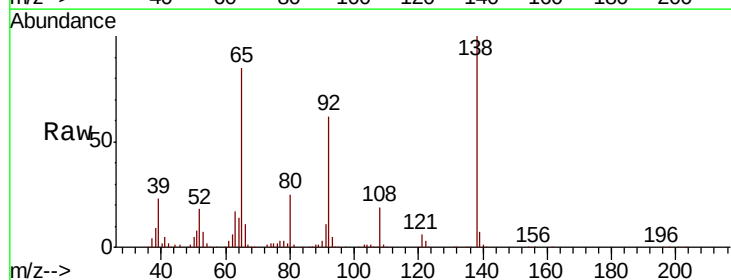
Instrument :
 BNA_F
 ClientSampleId :
 S4MSD

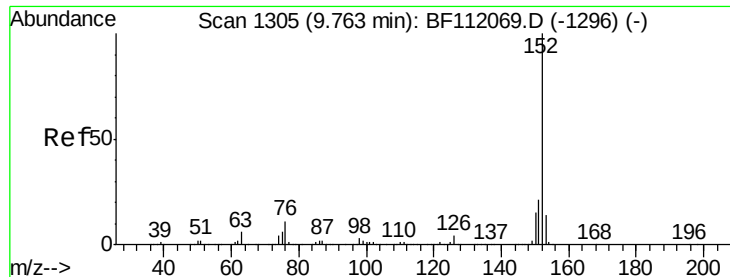
Tgt Ion: 162 Resp: 1194347
 Ion Ratio Lower Upper
 162 100
 127 41.1 30.4 45.6
 164 34.0 27.4 41.2



#48
 2-Nitroaniline
 Concen: 50.716 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Tgt Ion: 65 Resp: 338719
 Ion Ratio Lower Upper
 65 100
 92 73.3 60.4 90.6
 138 118.3 104.4 156.6





#49

Acenaphthylene

Concen: 52.293 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

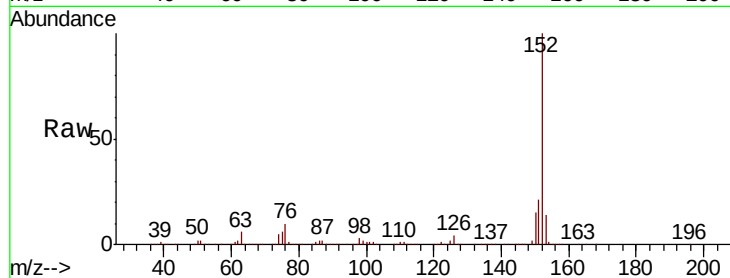
Tgt Ion:152 Resp: 1878114

Ion Ratio Lower Upper

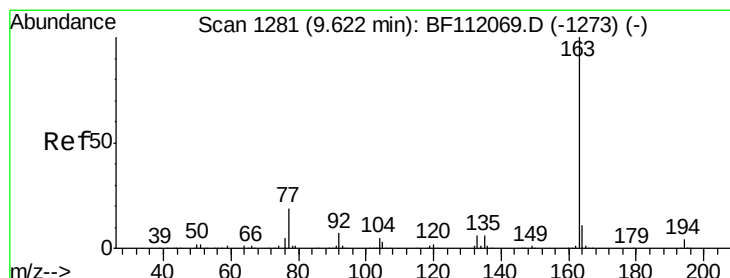
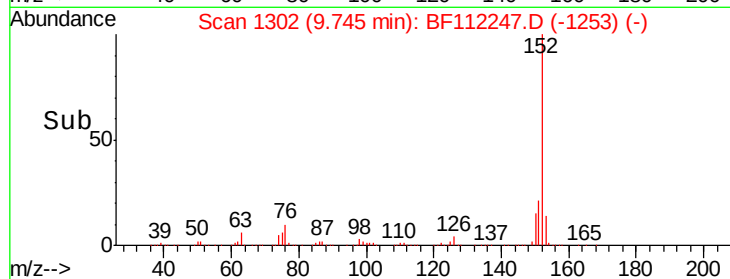
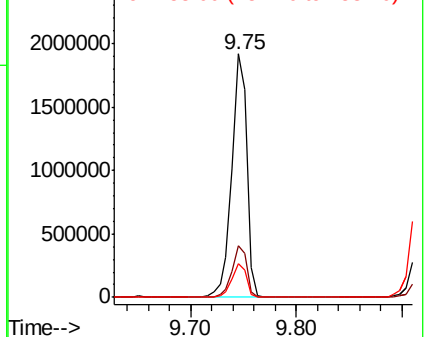
152 100

151 21.4 17.0 25.6

153 13.8 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 59.161 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

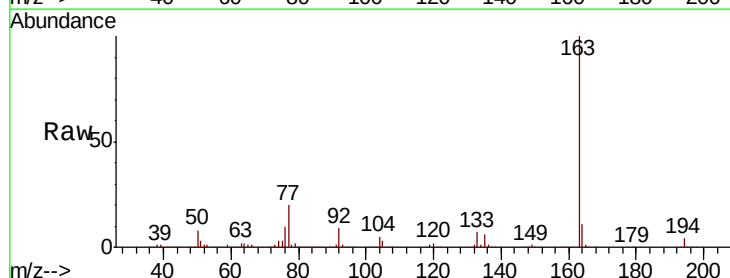
Tgt Ion:163 Resp: 1661383

Ion Ratio Lower Upper

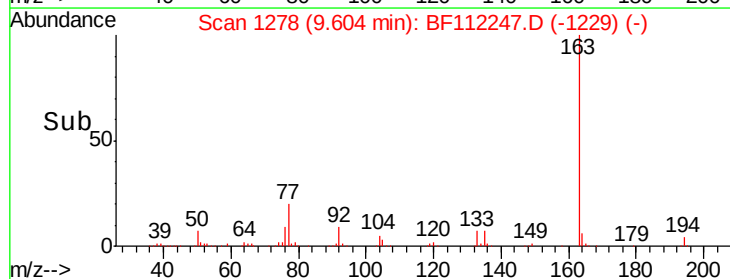
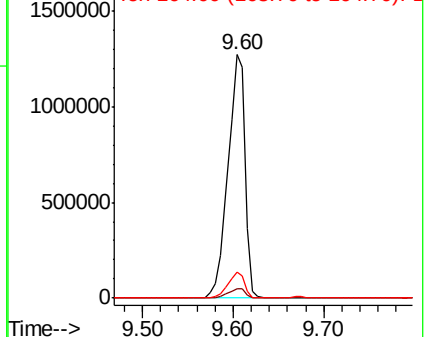
163 100

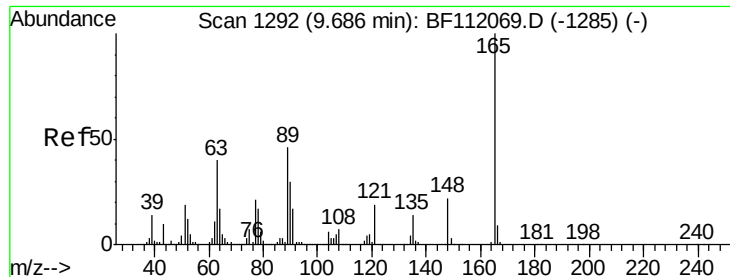
194 4.0 3.3 4.9

164 10.5 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

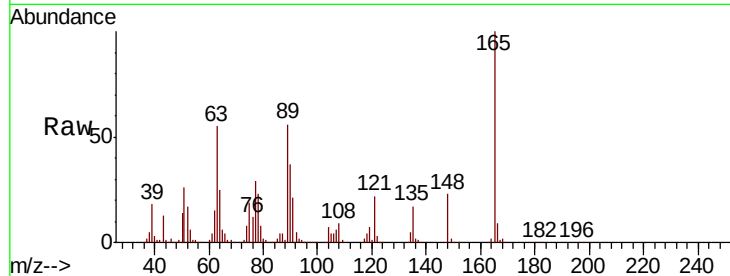




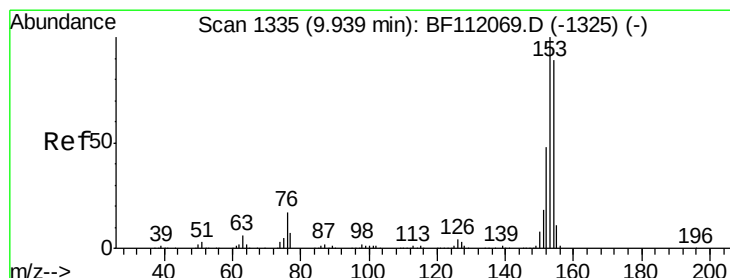
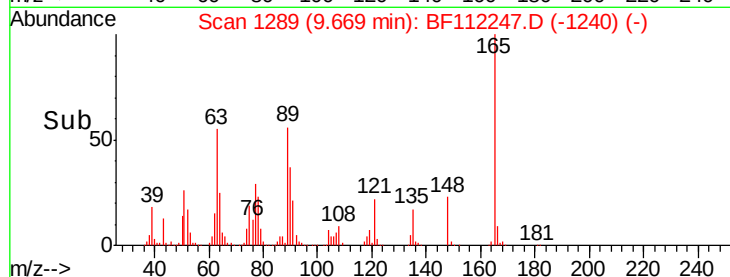
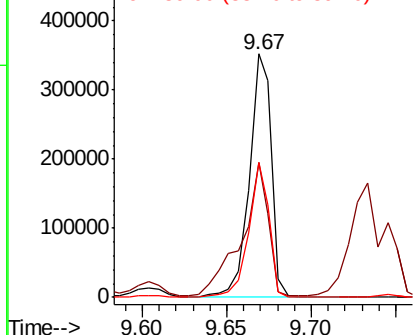
#51
2,6-Dinitrotoluene
Concen: 51.434 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

Tgt Ion:165 Resp: 323485
Ion Ratio Lower Upper
165 100
63 55.5 33.8 50.8#
89 55.6 36.9 55.3#

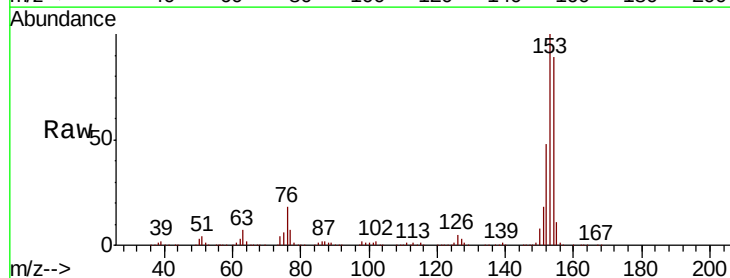


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

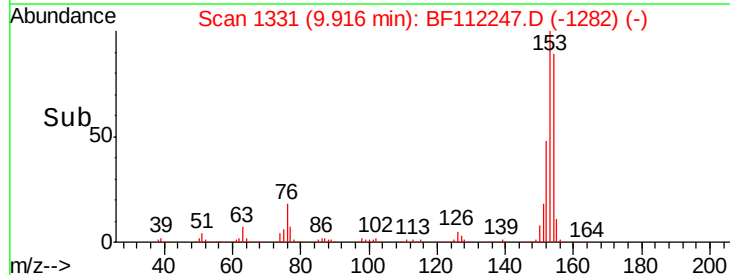
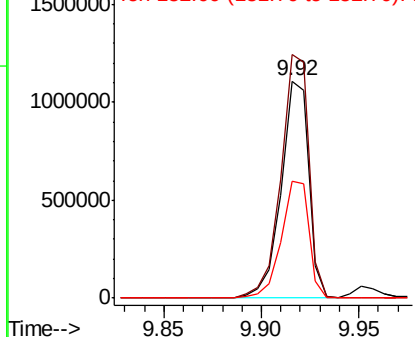


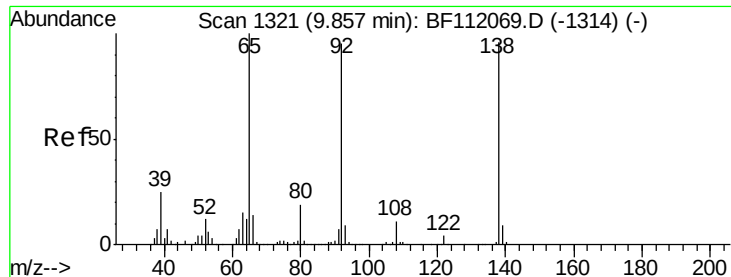
#52
Acenaphthene
Concen: 50.752 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion:154 Resp: 1088870
Ion Ratio Lower Upper
154 100
153 112.2 89.8 134.6
152 53.9 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

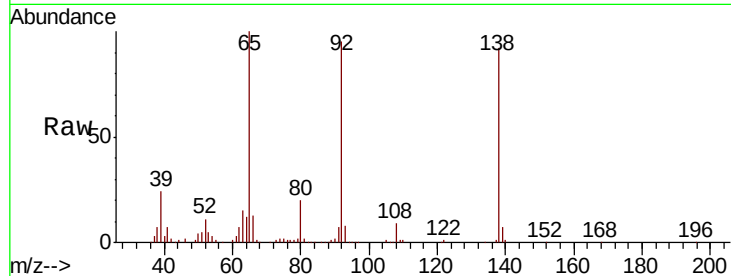




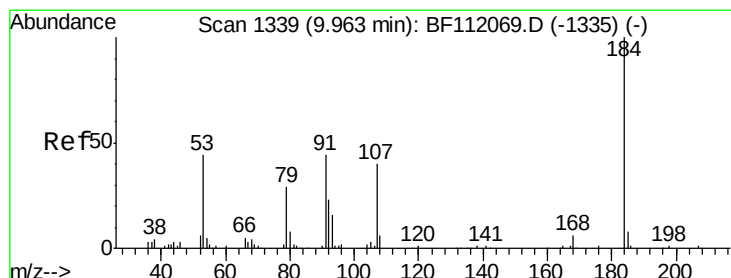
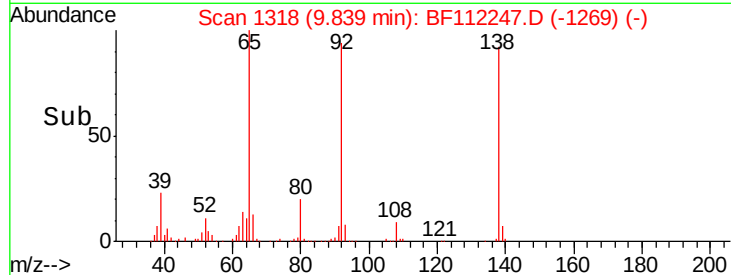
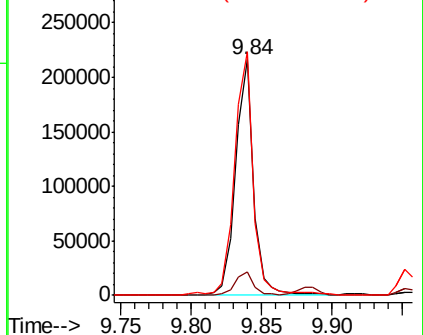
#53
 3-Nitroaniline
 Concen: 28.251 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Instrument :
 BNA_F
 ClientSampleId :
 S4MSD

Tgt Ion:138 Resp: 192496
 Ion Ratio Lower Upper
 138 100
 108 10.1 9.8 14.6
 92 103.3 79.4 119.2

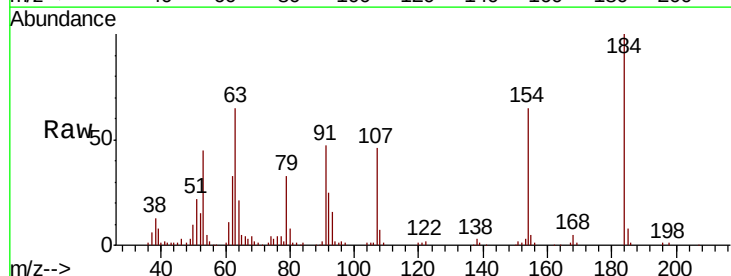


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1

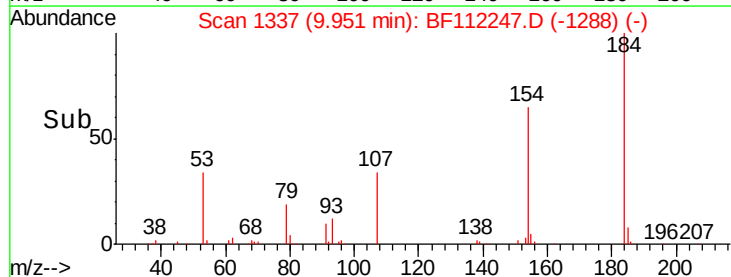
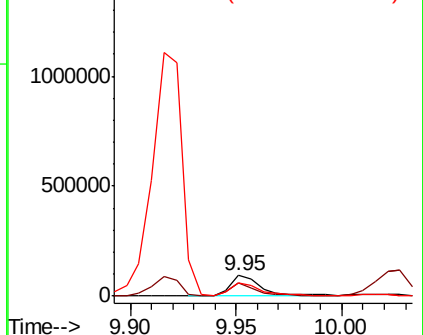


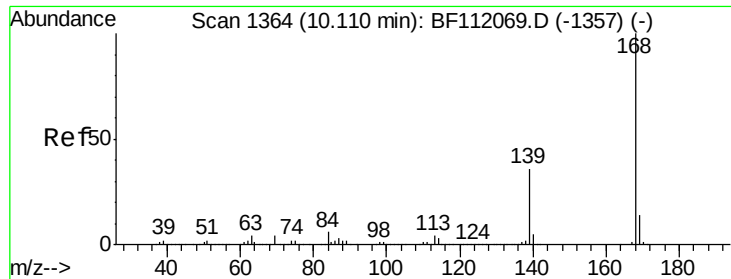
#54
 2,4-Dinitrophenol
 Concen: 47.720 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Tgt Ion:184 Resp: 96320
 Ion Ratio Lower Upper
 184 100
 63 64.8 47.1 70.7
 154 65.3 48.9 73.3



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

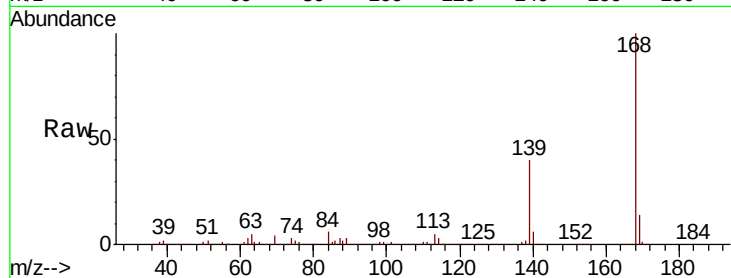




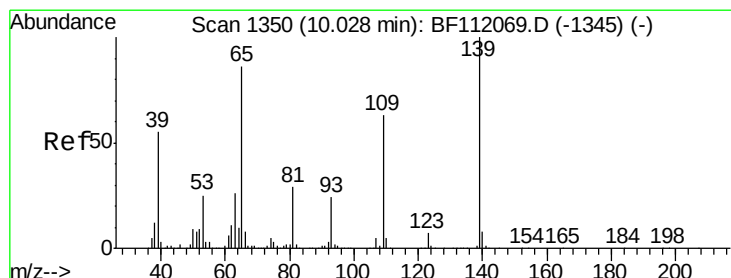
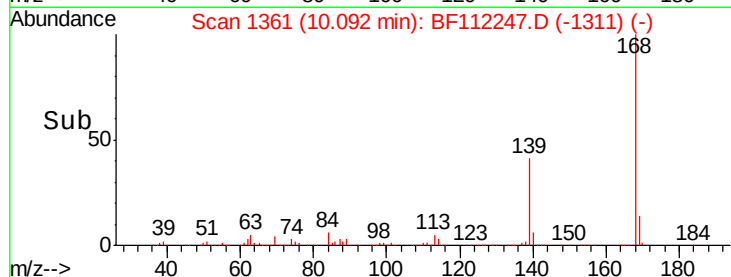
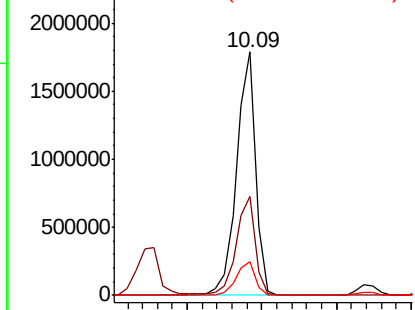
#55
Dibenzofuran
Concen: 48.939 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

Tgt Ion:168 Resp: 1604535
Ion Ratio Lower Upper
168 100
139 40.5 29.2 43.8
169 13.7 11.4 17.0

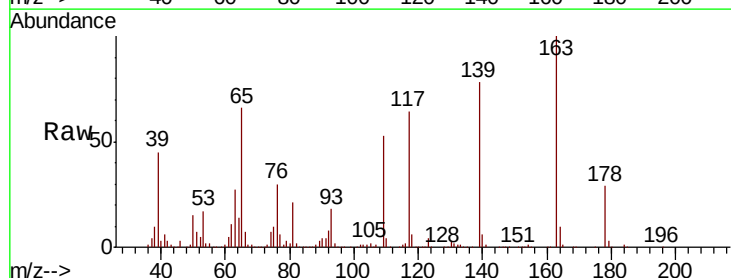


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

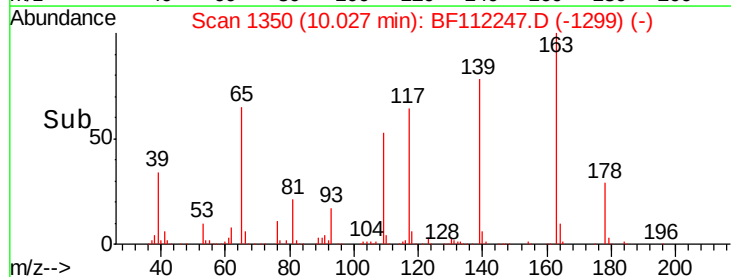
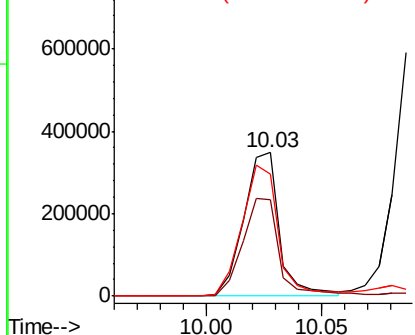


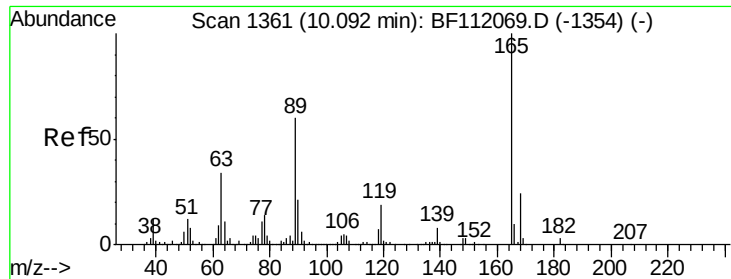
#56
4-Nitrophenol
Concen: 104.184 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion:139 Resp: 375308
Ion Ratio Lower Upper
139 100
109 67.6 42.8 82.8
65 84.9 66.1 106.1



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 50.727 ng

RT: 10.08 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

Tgt Ion:165 Resp: 406166

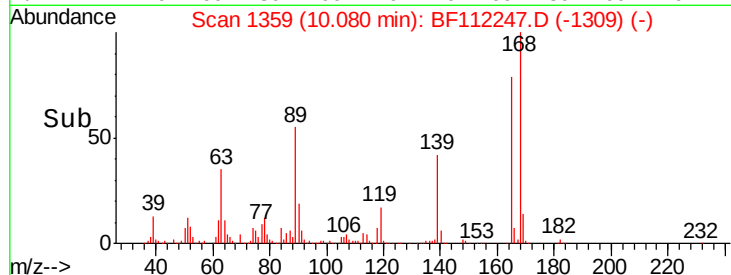
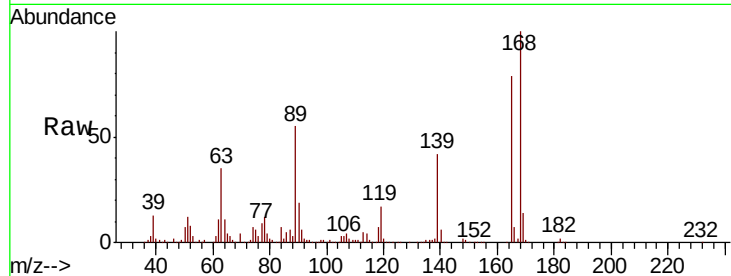
Ion Ratio Lower Upper

165 100

63 44.2 27.9 41.9#

89 69.0 47.9 71.9

182 2.7 2.2 3.4

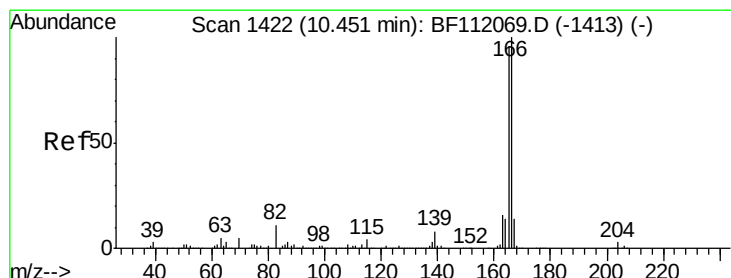
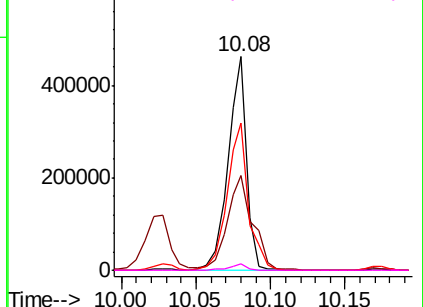


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 51.809 ng

RT: 10.43 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

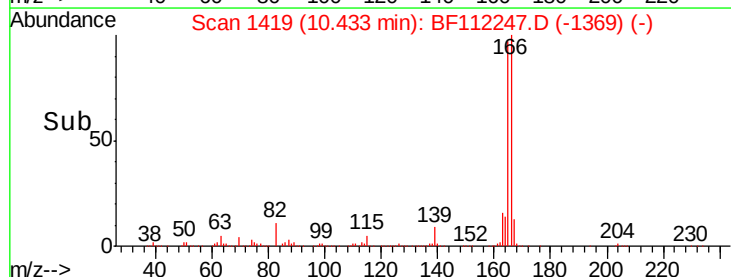
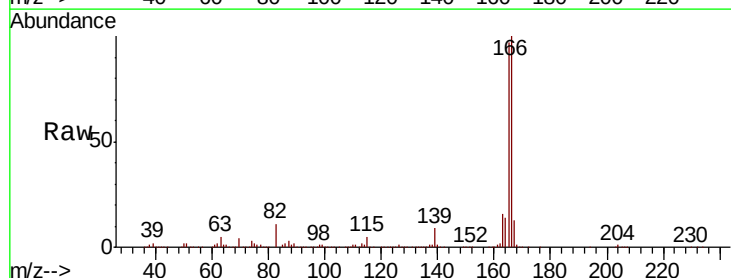
Tgt Ion:166 Resp: 1271124

Ion Ratio Lower Upper

166 100

165 96.8 77.1 115.7

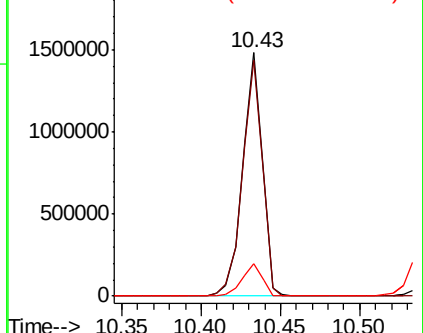
167 13.4 11.3 16.9

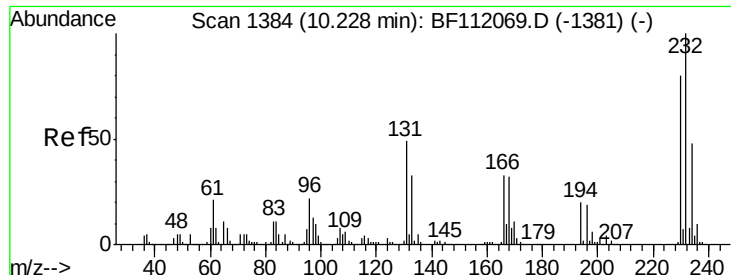


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

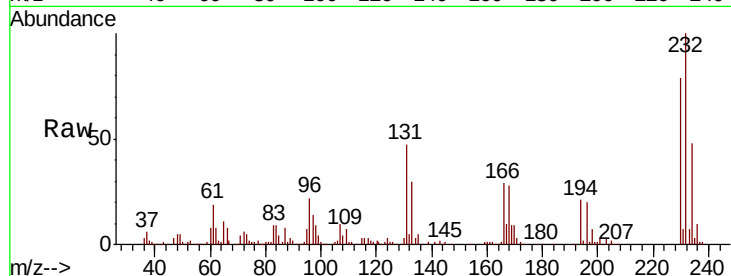




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 49.142 ng
 RT: 10.17 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Instrument :
 BNA_F
 ClientSampled :
 S4MSD

Tgt Ion	Ratio	Lower	Upper
232	100		
131	41.5	33.9	50.9
130	2.5	1.8	2.6
166	26.3	23.6	35.4



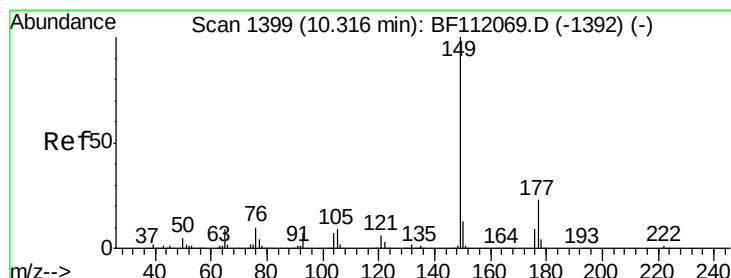
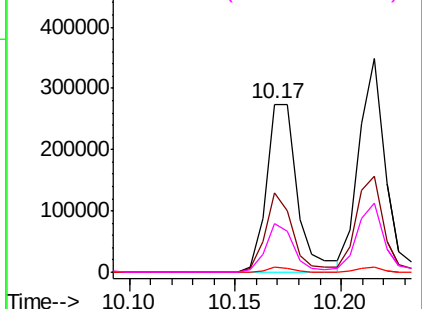
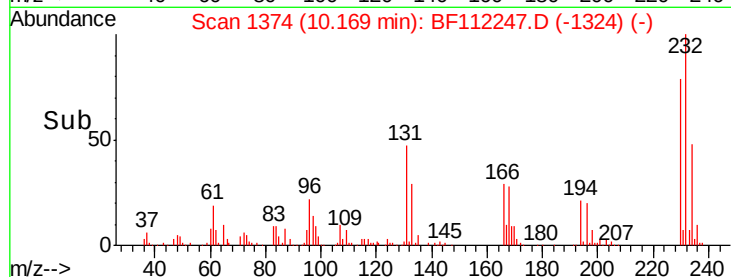
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

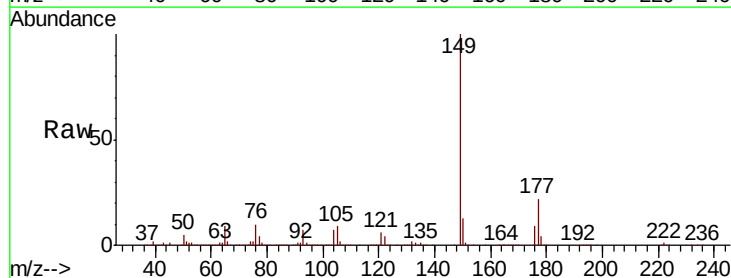
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 49.064 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.2	27.2
150	13.0	10.4	15.6

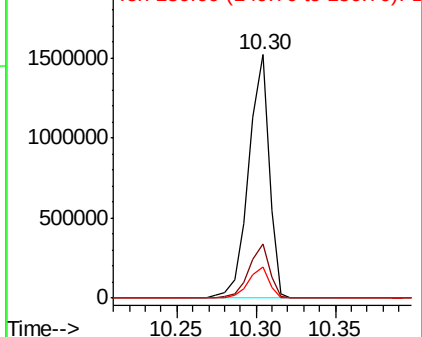
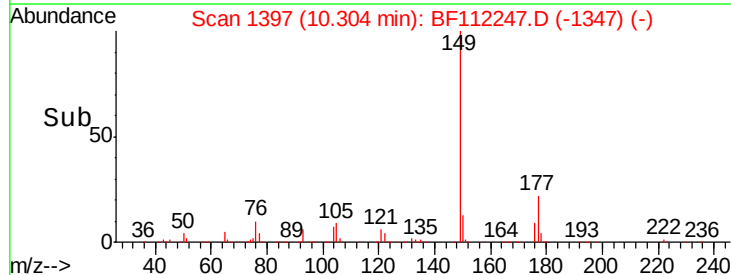


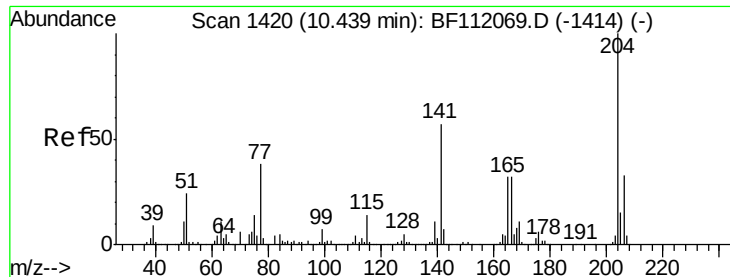
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

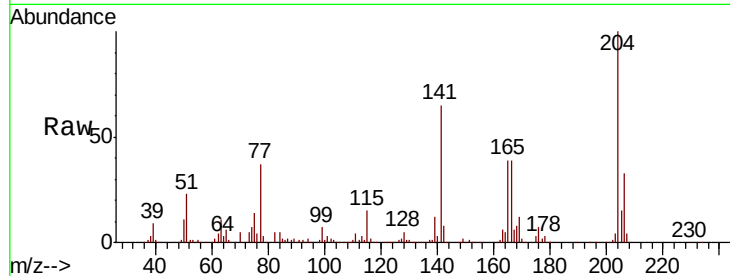




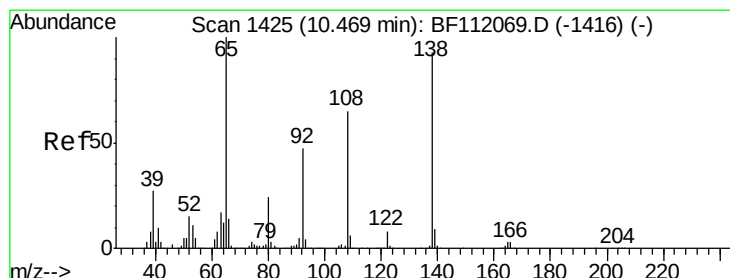
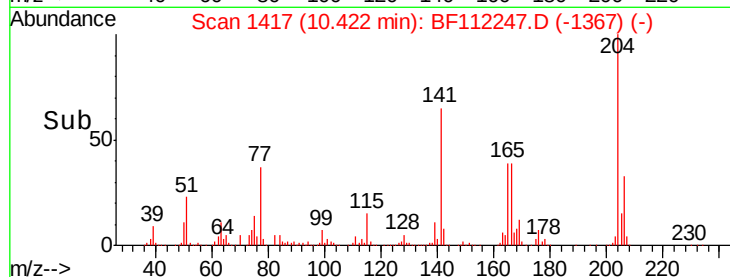
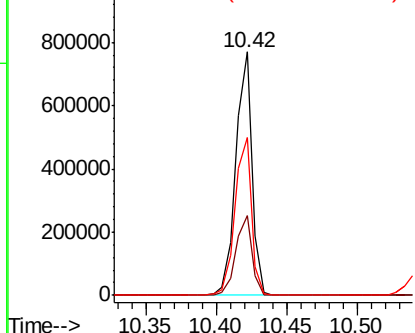
#61
4-Chlorophenyl-phenylether
Concen: 46.184 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampled :
S4MSD

Tgt Ion:204 Resp: 616390
Ion Ratio Lower Upper
204 100
206 32.6 26.5 39.7
141 65.0 45.9 68.9

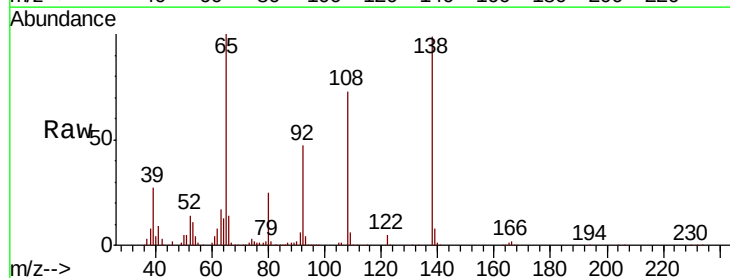


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

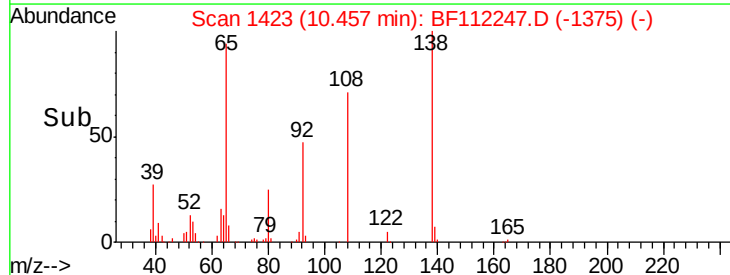
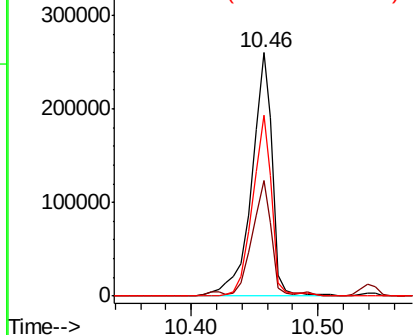


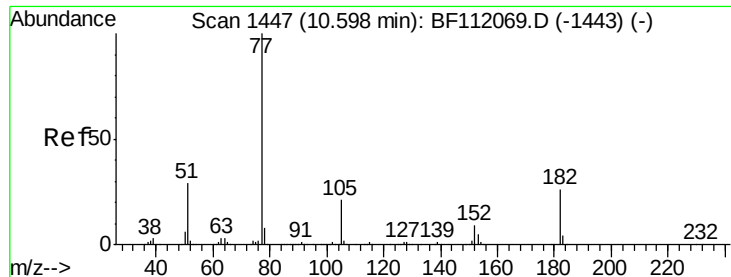
#62
4-Nitroaniline
Concen: 44.364 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.02 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion:138 Resp: 296500
Ion Ratio Lower Upper
138 100
92 47.5 30.6 70.6
108 74.3 50.0 90.0



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 48.747 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

Tgt Ion: 77 Resp: 1194780

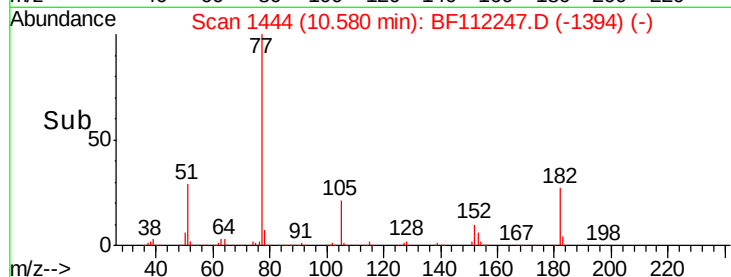
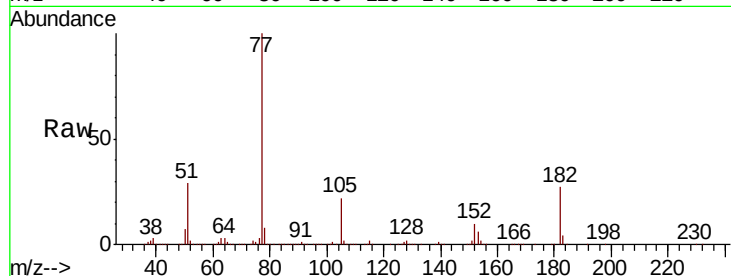
Ion Ratio Lower Upper

77 100

182 27.4 5.7 45.7

105 21.8 1.4 41.4

51 29.3 9.5 49.5

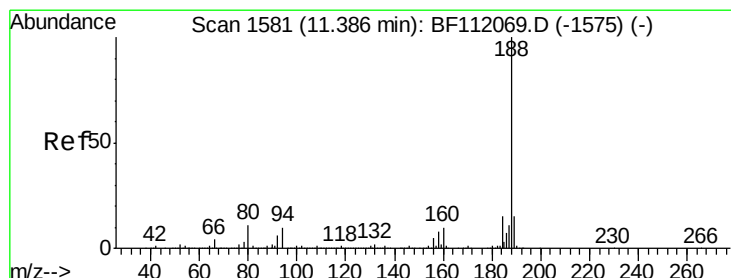
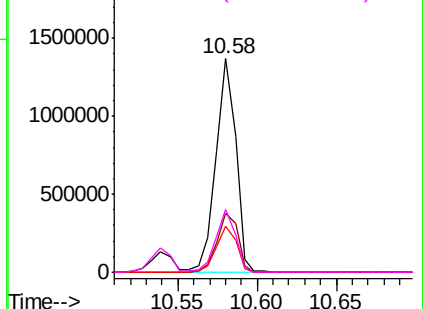


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

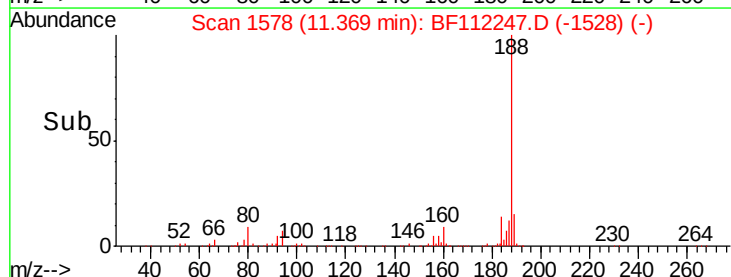
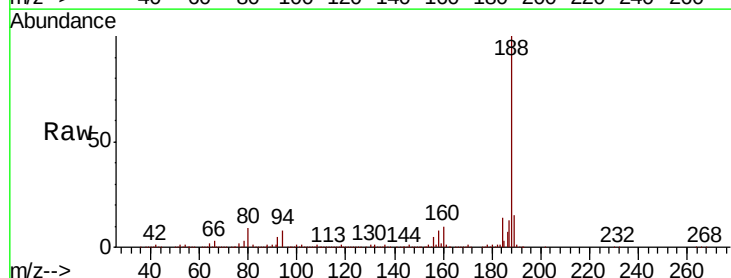
Tgt Ion: 188 Resp: 628120

Ion Ratio Lower Upper

188 100

94 8.3 8.2 12.2

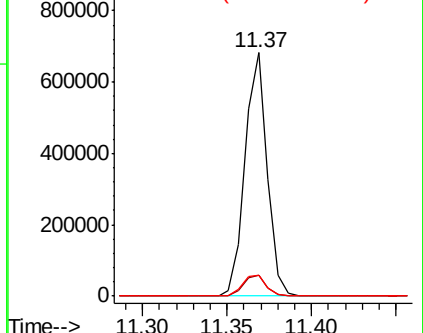
80 8.8 8.9 13.3#

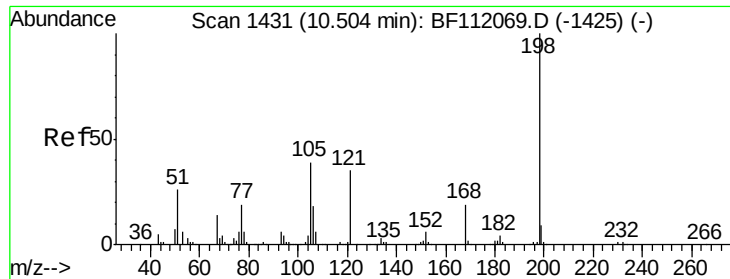


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 41.193 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

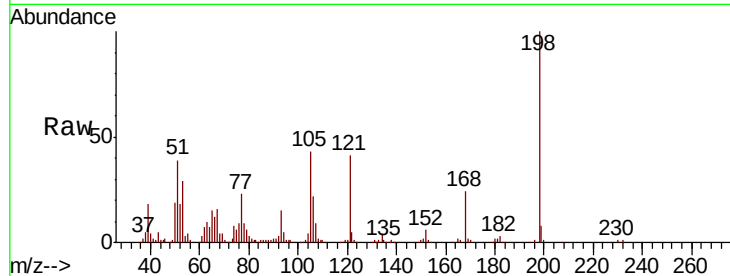
Tgt Ion:198 Resp: 145068

Ion Ratio Lower Upper

198 100

51 39.0 17.2 57.2

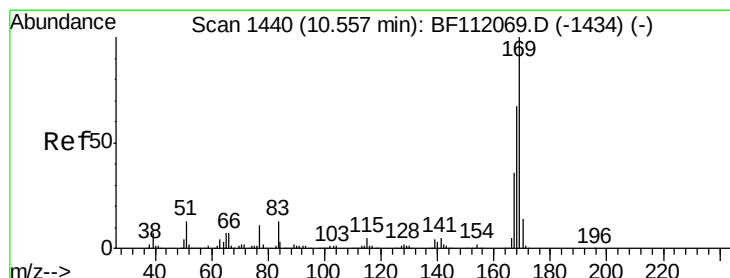
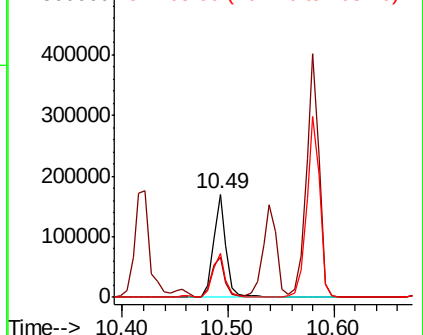
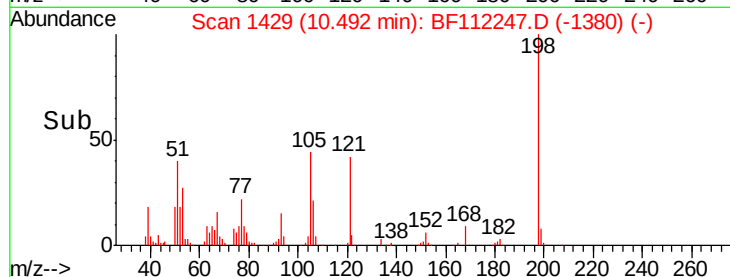
105 42.7 21.9 61.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 53.356 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

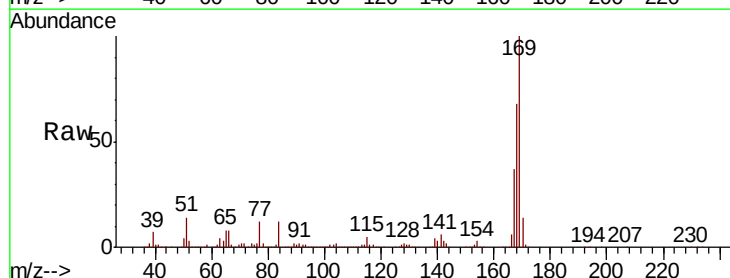
Tgt Ion:169 Resp: 1129509

Ion Ratio Lower Upper

169 100

168 68.0 53.9 80.9

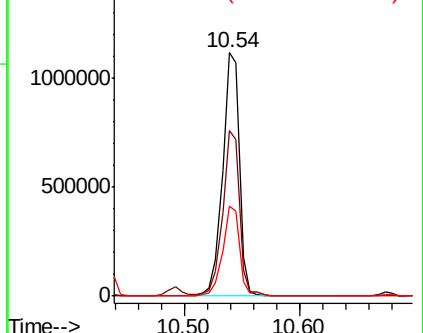
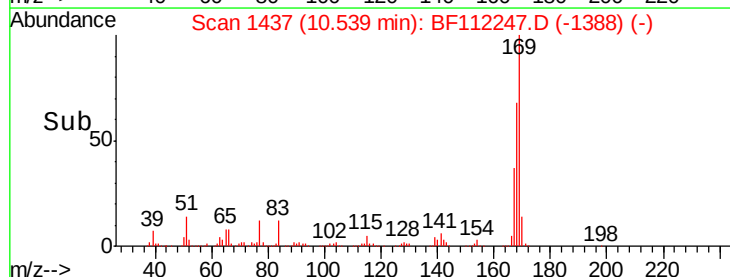
167 37.1 28.9 43.3

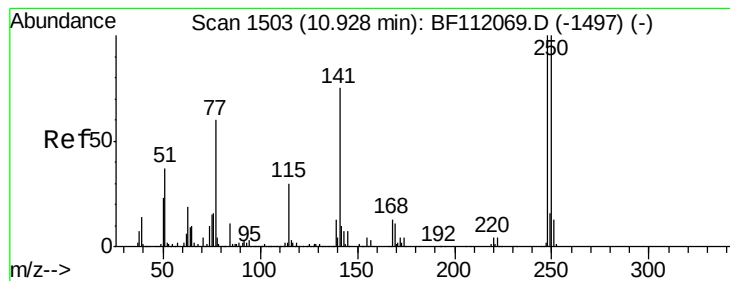


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 50.962 ng

RT: 10.91 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

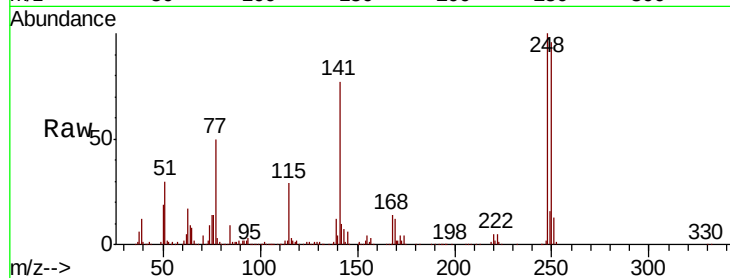
Tgt Ion:248 Resp: 376487

Ion Ratio Lower Upper

248 100

250 96.3 79.7 119.5

141 77.0 60.3 90.5

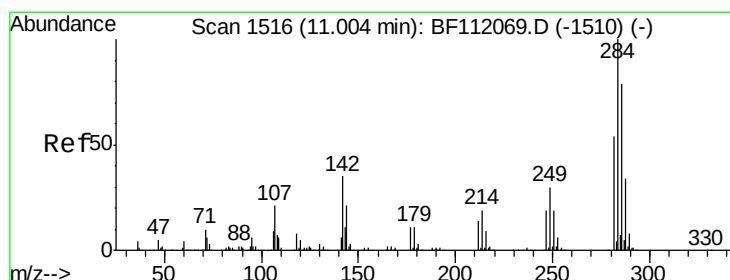
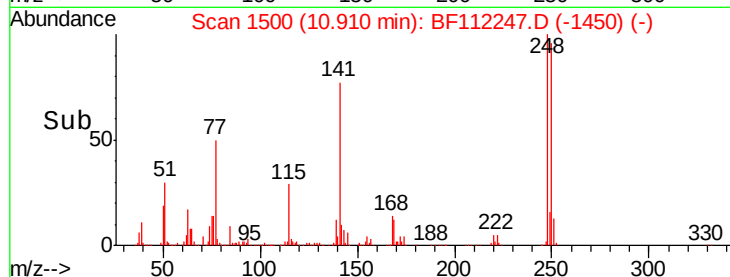
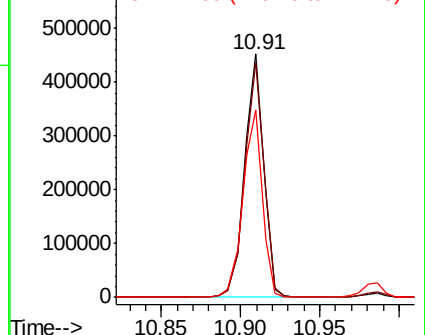


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 51.881 ng

RT: 10.99 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

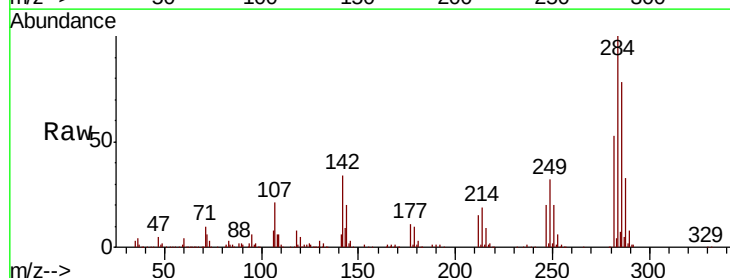
Tgt Ion:284 Resp: 411208

Ion Ratio Lower Upper

284 100

142 33.6 27.6 41.4

249 31.7 24.1 36.1

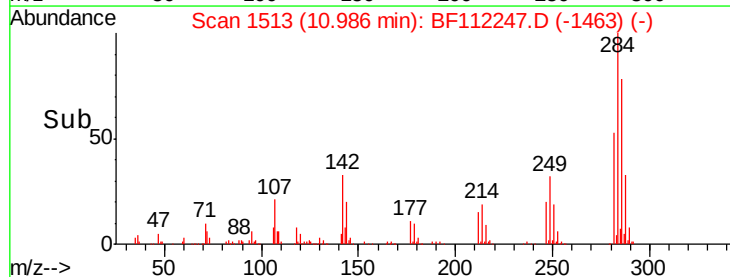
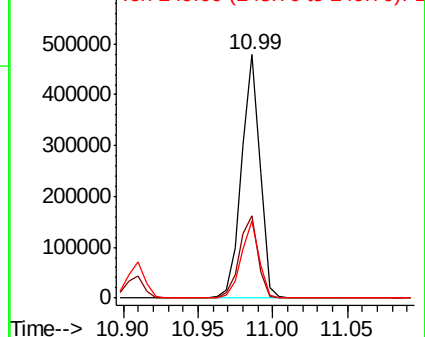


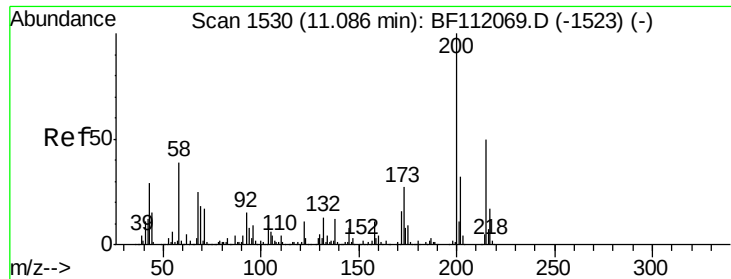
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

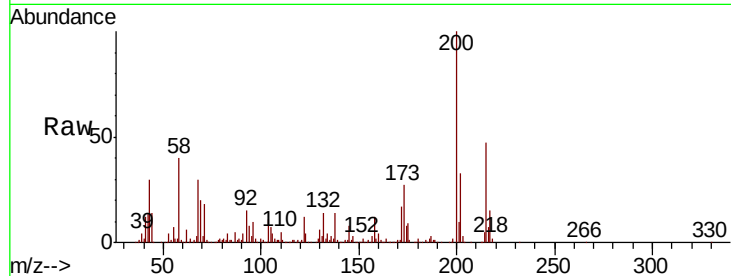




#69
 Atrazine
 Concen: 52.994 ng
 RT: 11.07 min Scan# 1527
 Delta R.T. -0.01 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Instrument :
 BNA_F
 ClientSampleId :
 S4MSD

Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.1	47.1
215	47.4	30.4	70.4

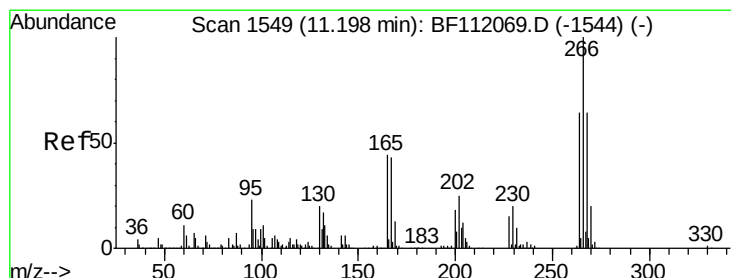
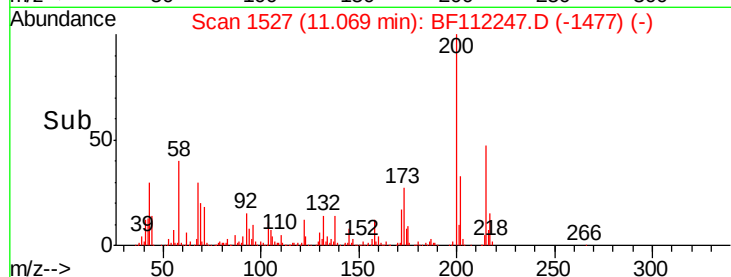
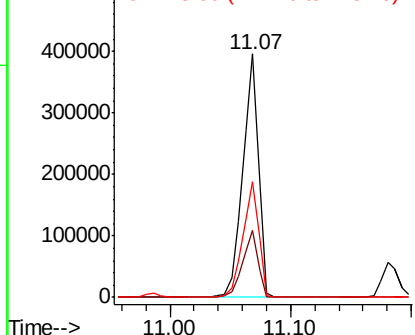


Abundance

Ion 200.00 (199.70 to 200.70): E

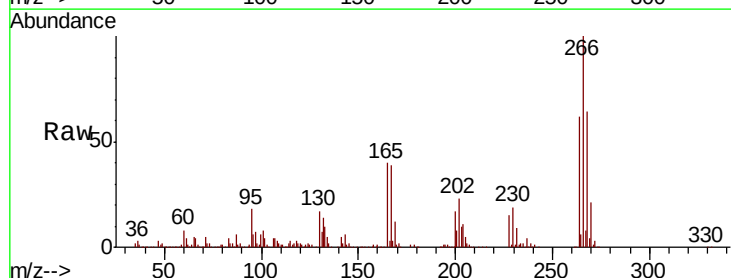
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
 Pentachlorophenol
 Concen: 106.773 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.00 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.4	51.2	76.8
264	62.1	50.9	76.3

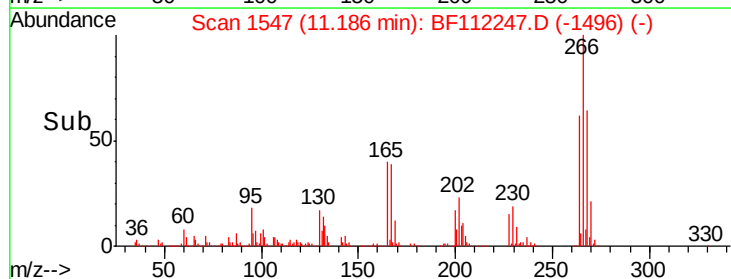
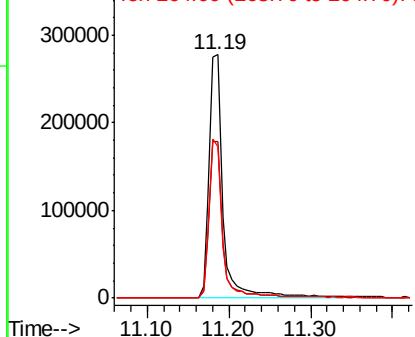


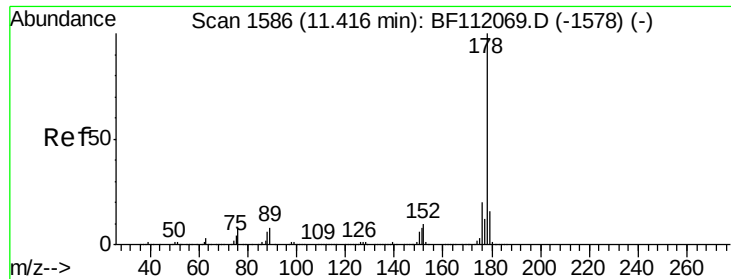
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

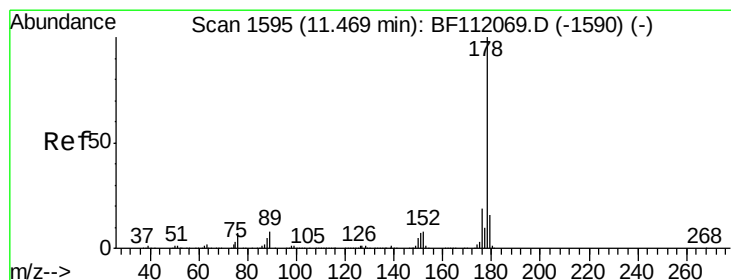
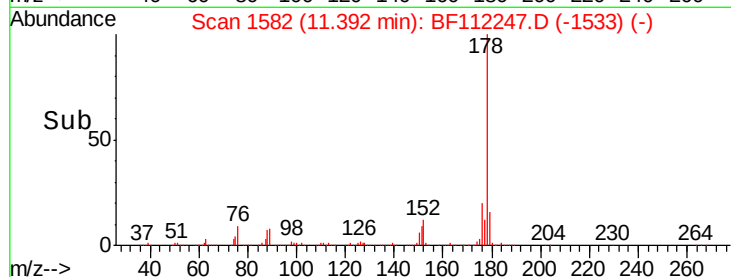
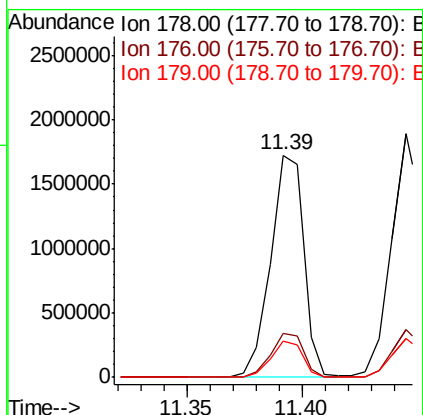
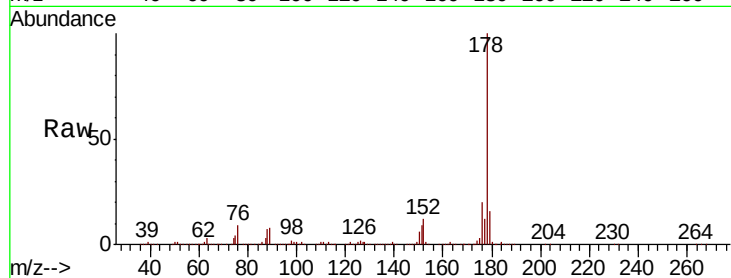




#71
Phenanthrene
Concen: 52.649 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

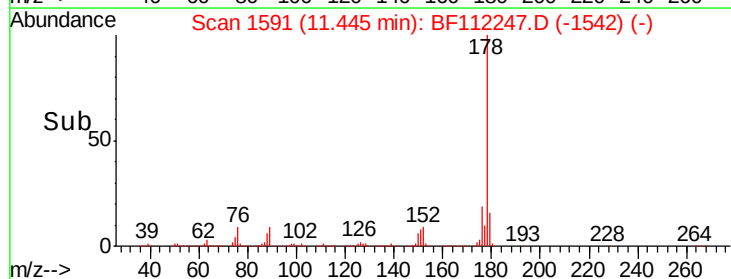
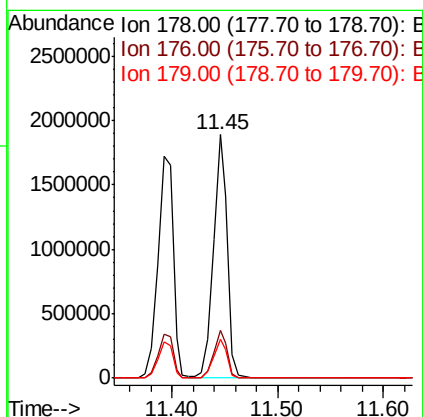
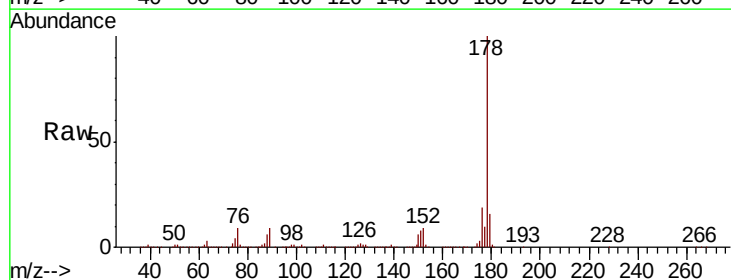
Instrument :
BNA_F
ClientSampleId :
S4MSD

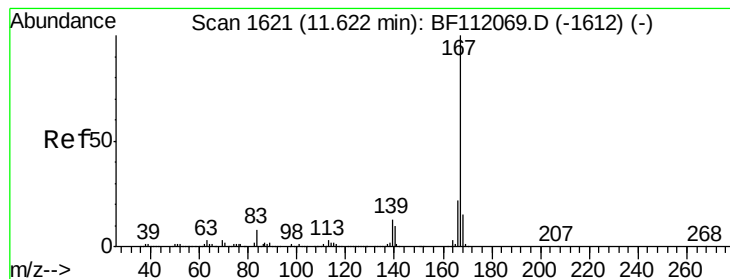
Tgt Ion:178 Resp: 1719253
Ion Ratio Lower Upper
178 100
176 19.9 16.3 24.5
179 16.2 13.0 19.4



#72
Anthracene
Concen: 53.930 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion:178 Resp: 1754255
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 16.2 12.8 19.2





#73

Carbazole

Concen: 46.894 ng

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

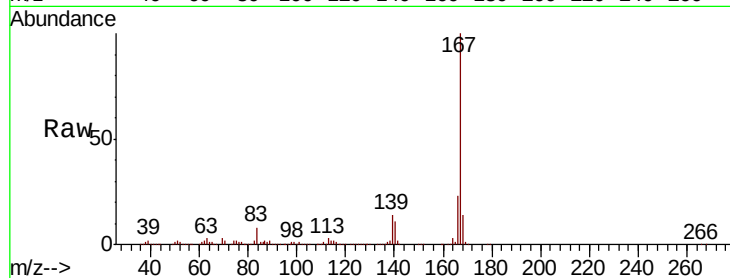
Tgt Ion:167 Resp: 1504664

Ion Ratio Lower Upper

167 100

166 22.5 17.9 26.9

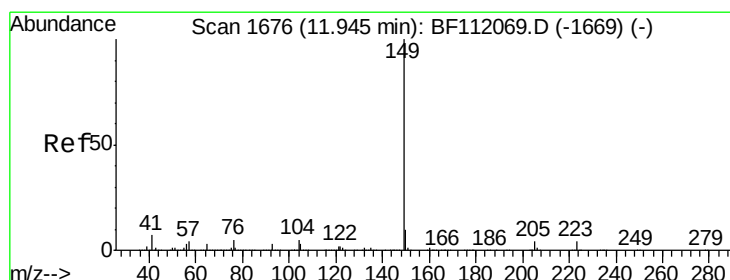
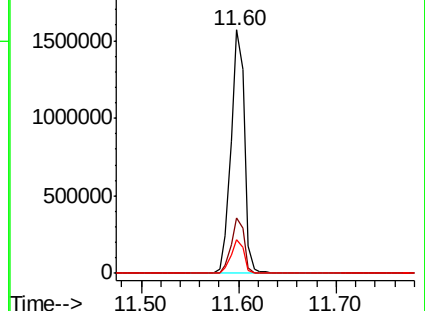
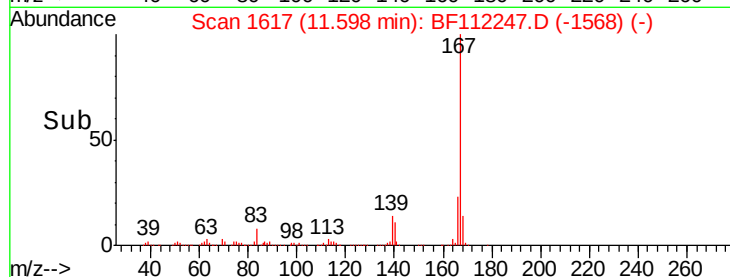
139 14.0 10.2 15.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 48.749 ng

RT: 11.92 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

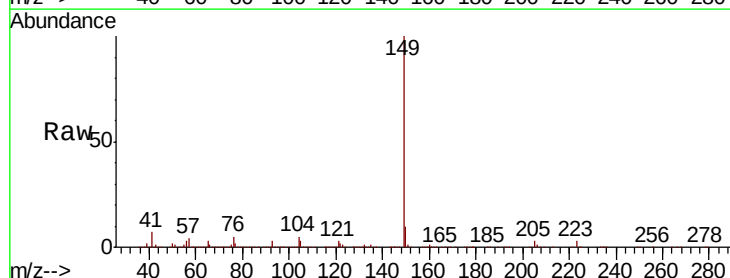
Tgt Ion:149 Resp: 1941563

Ion Ratio Lower Upper

149 100

150 9.9 8.1 12.1

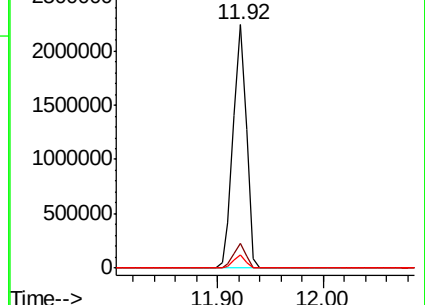
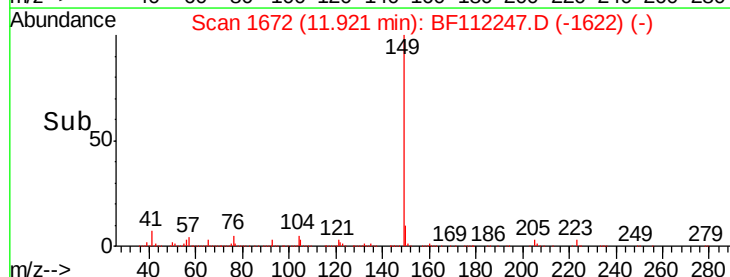
104 5.3 3.9 5.9

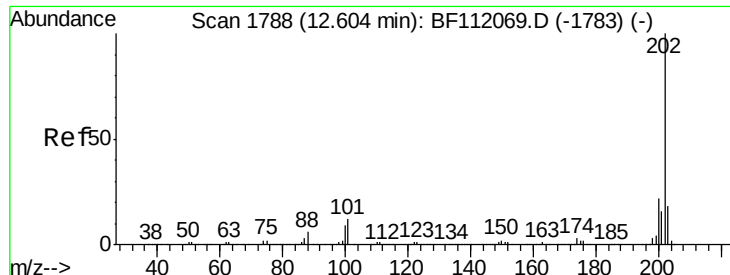


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 44.059 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

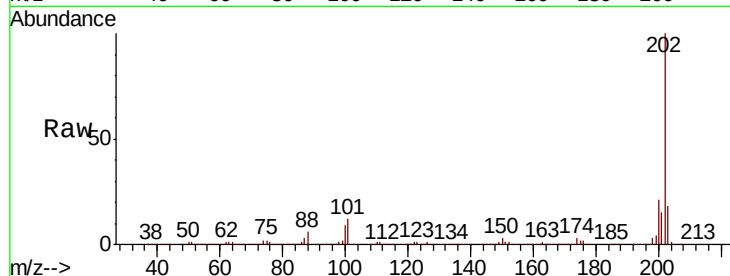
Tgt Ion:202 Resp: 1543147

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.8

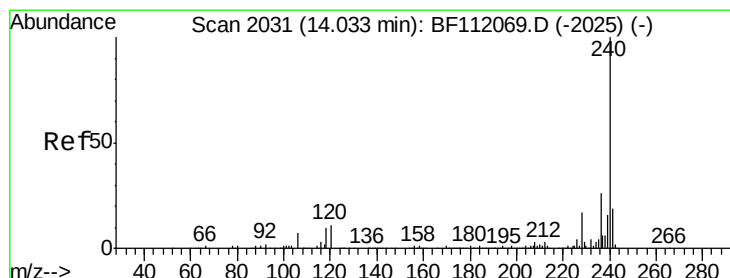
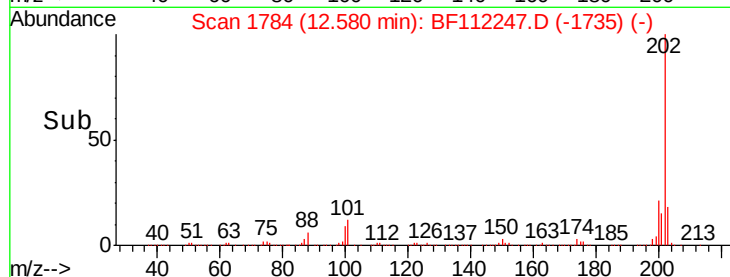
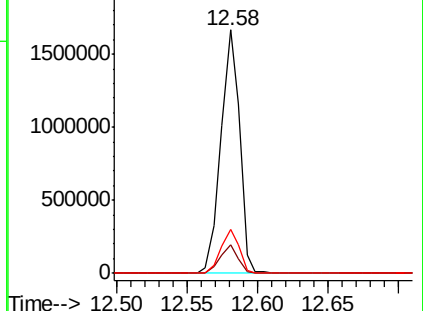
203 18.0 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

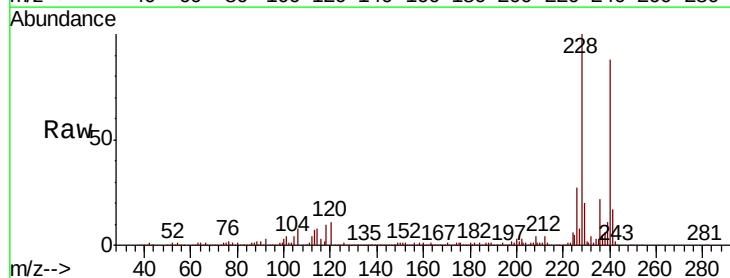
Tgt Ion:240 Resp: 360110

Ion Ratio Lower Upper

240 100

120 12.5 9.0 13.6

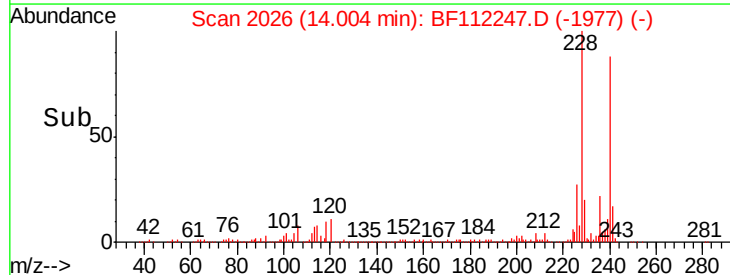
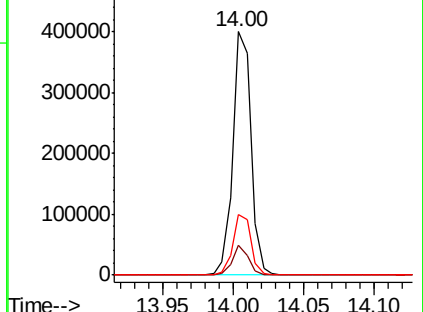
236 24.8 20.7 31.1

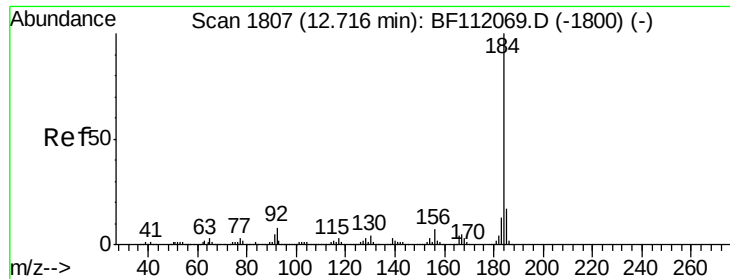


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 50.584 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

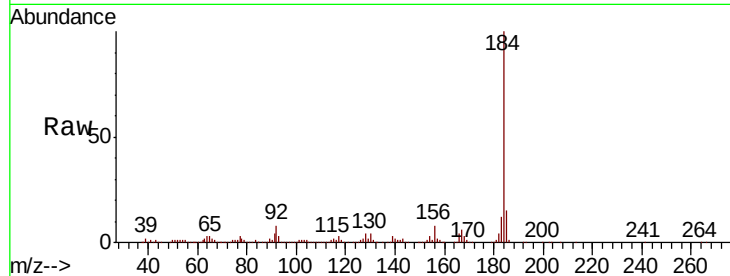
Tgt Ion:184 Resp: 501358

Ion Ratio Lower Upper

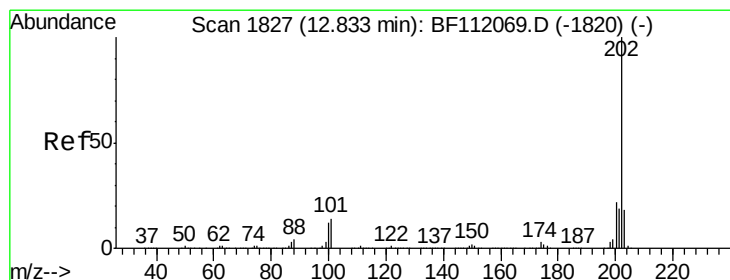
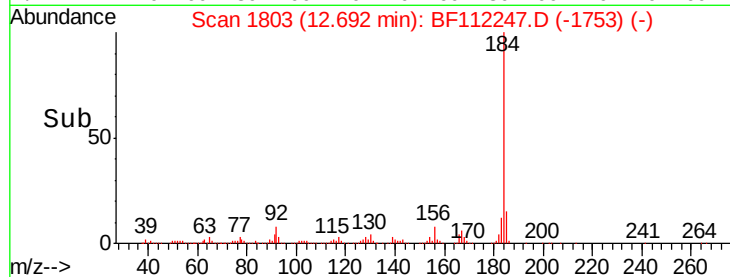
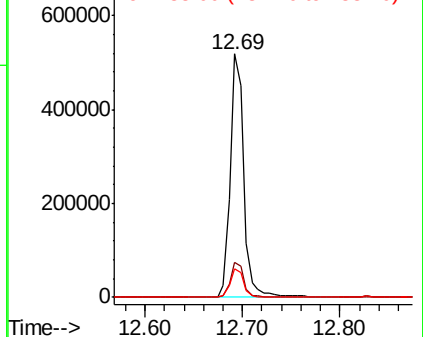
184 100

185 14.5 13.9 20.9

183 11.8 10.0 15.0



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 60.135 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

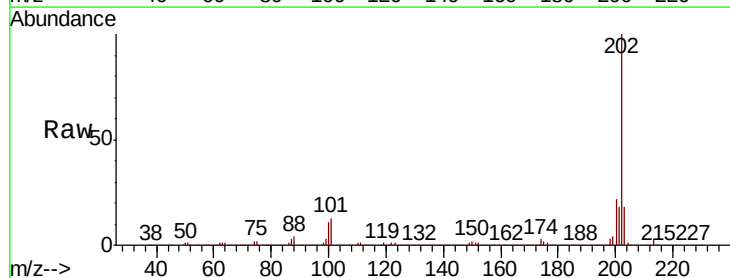
Tgt Ion:202 Resp: 1499286

Ion Ratio Lower Upper

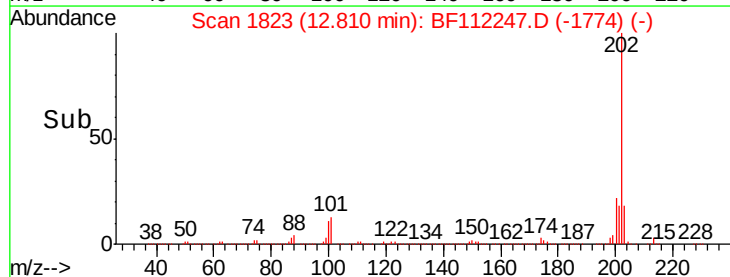
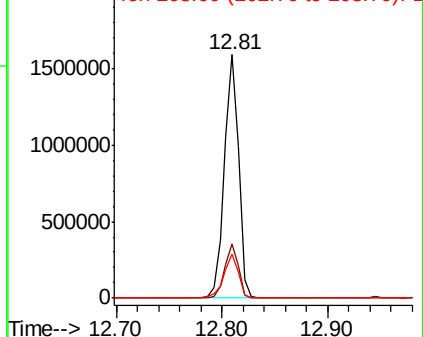
202 100

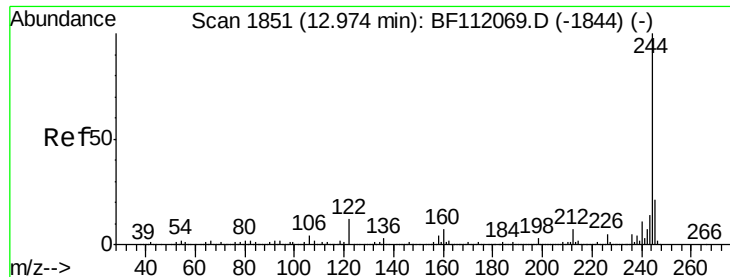
200 22.1 17.7 26.5

203 17.8 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 94.088 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

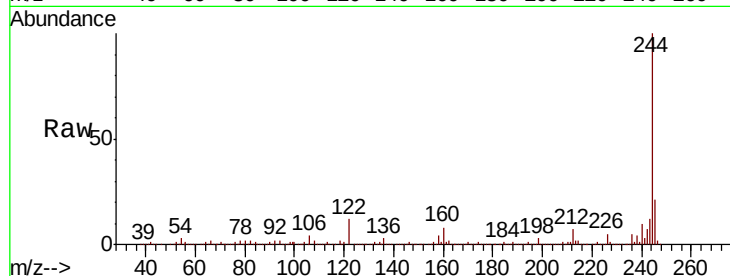
Tgt Ion:244 Resp: 1798942

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

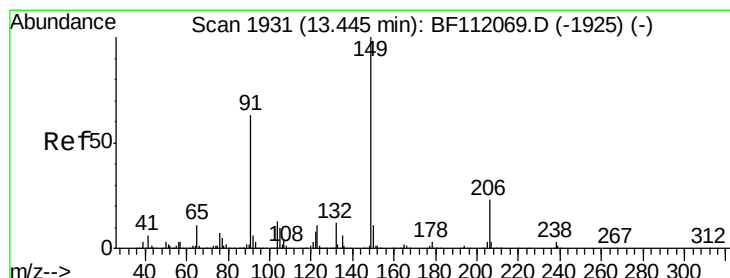
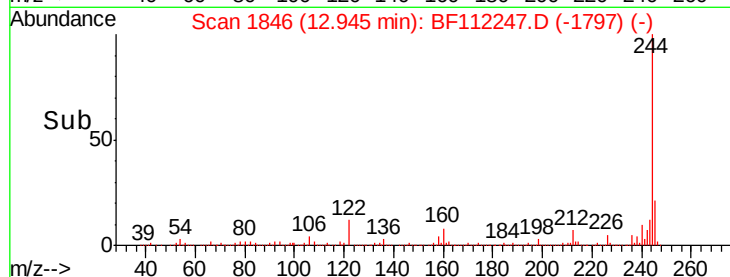
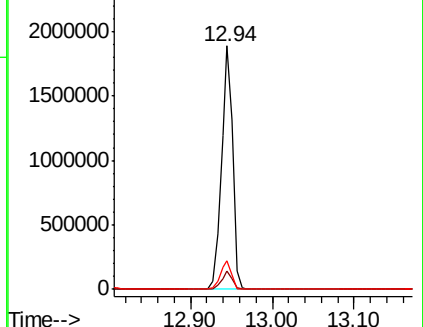
122 12.0 9.8 14.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 55.077 ng

RT: 13.42 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

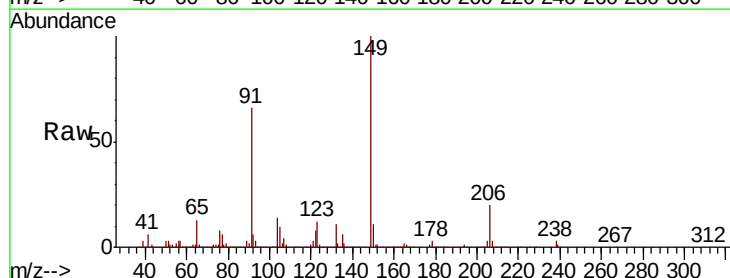
Tgt Ion:149 Resp: 664364

Ion Ratio Lower Upper

149 100

91 65.9 50.3 75.5

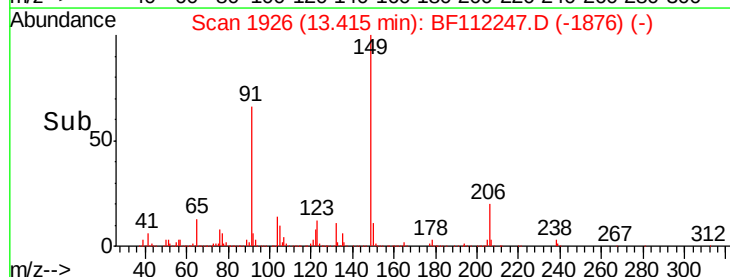
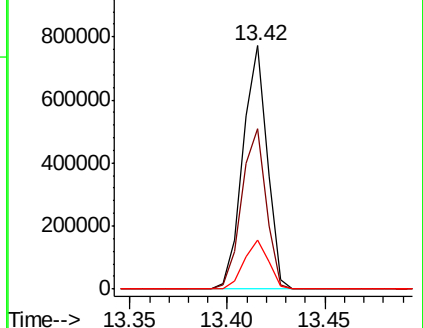
206 20.3 18.2 27.4

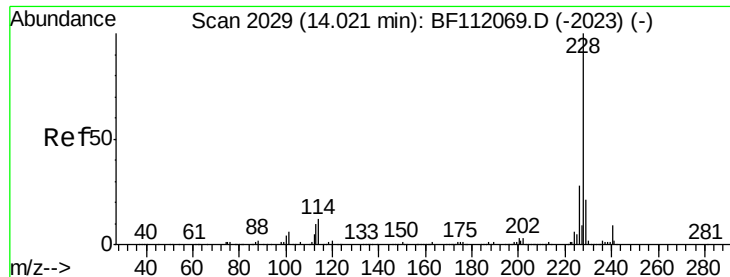


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 54.417 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

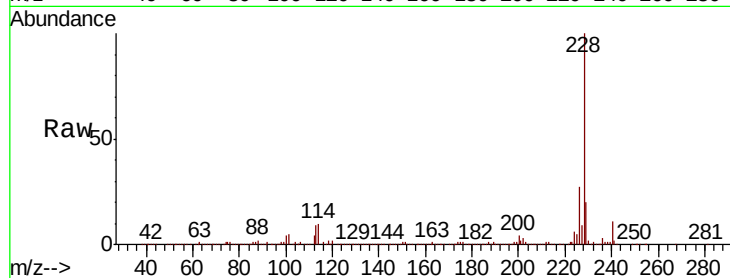
Tgt Ion:228 Resp: 1151964

Ion Ratio Lower Upper

228 100

226 27.4 22.6 34.0

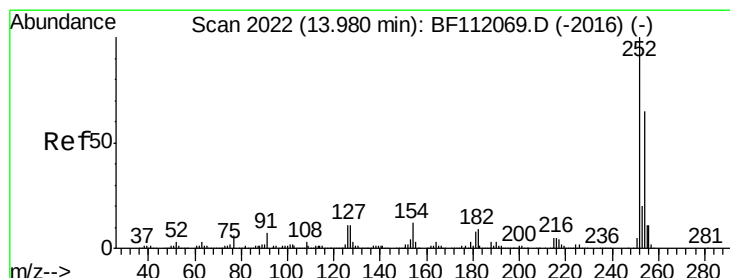
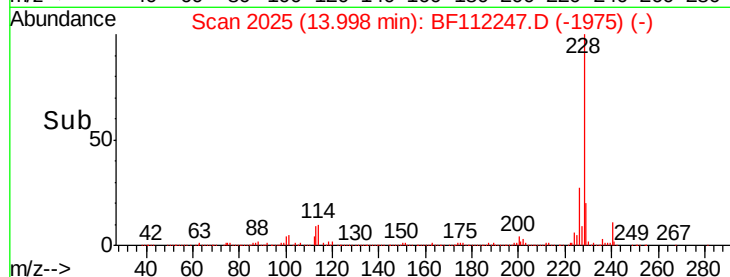
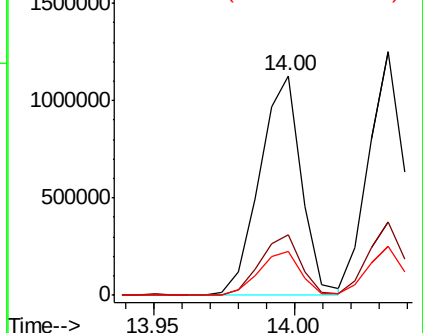
229 20.1 16.5 24.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 29.717 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

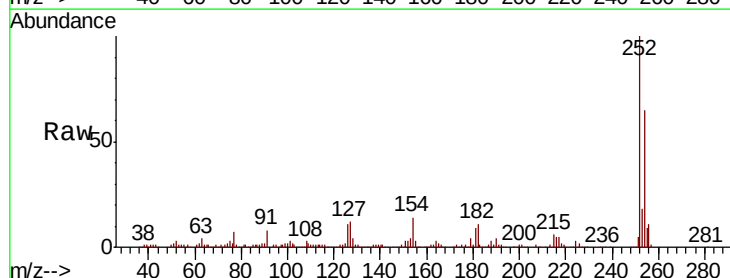
Tgt Ion:252 Resp: 235433

Ion Ratio Lower Upper

252 100

254 65.3 51.6 77.4

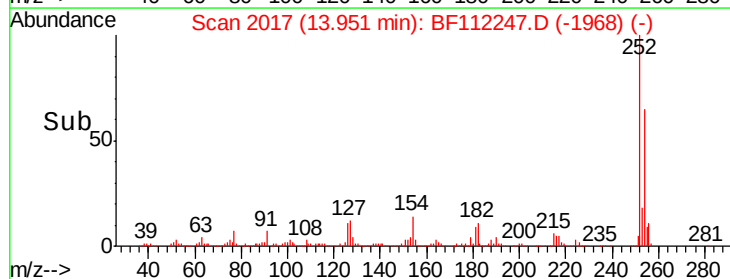
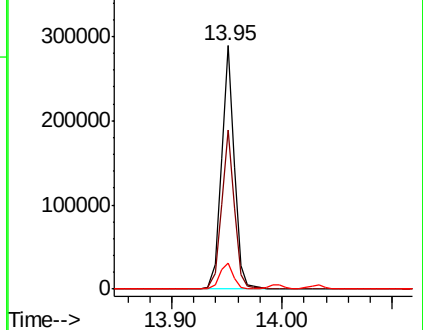
126 10.8 8.6 12.8

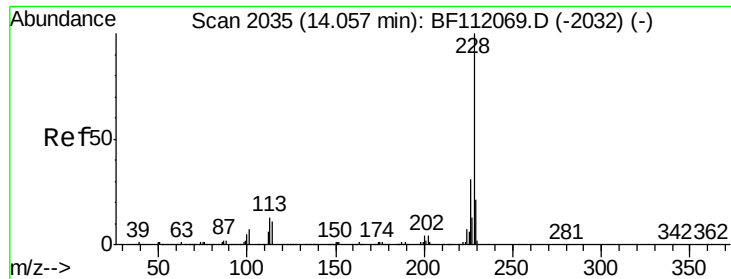


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 52.816 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

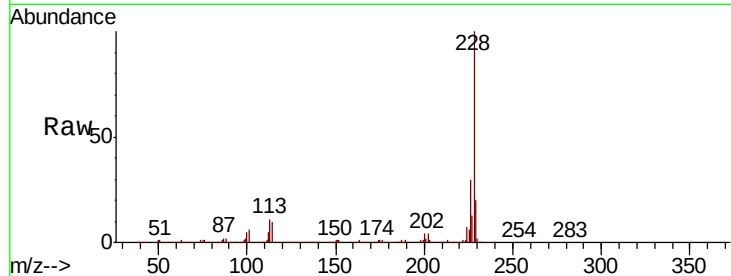
Tgt Ion:228 Resp: 1067247

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

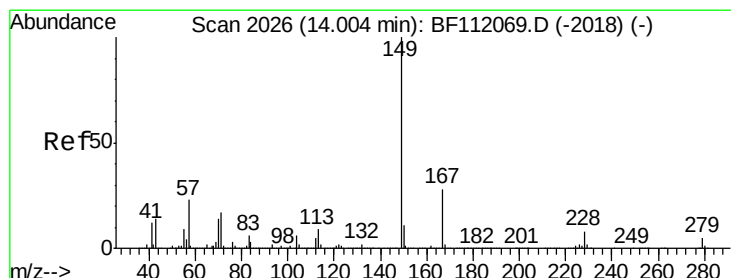
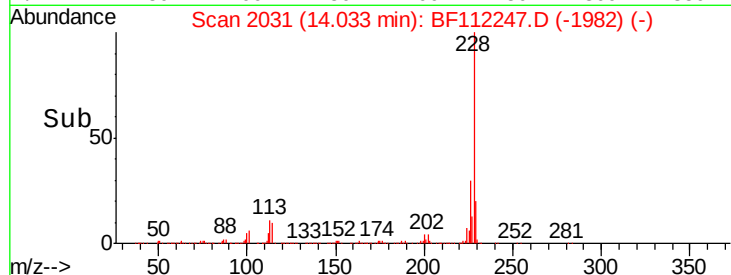
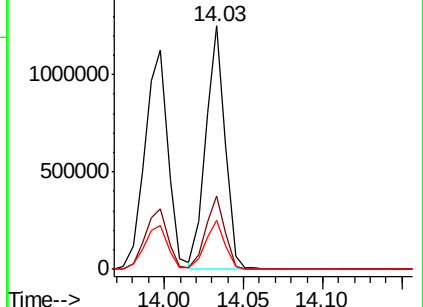
229 19.9 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.017 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

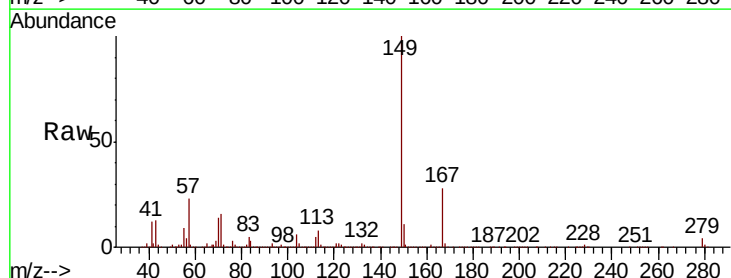
Tgt Ion:149 Resp: 890667

Ion Ratio Lower Upper

149 100

167 27.6 22.5 33.7

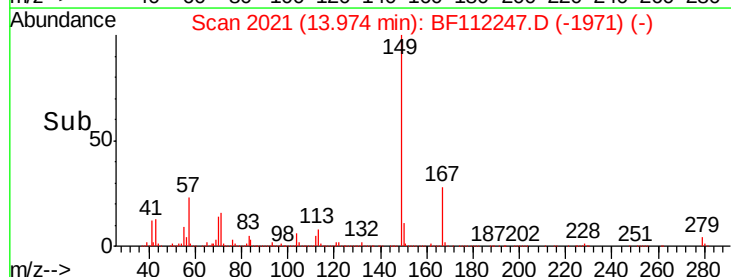
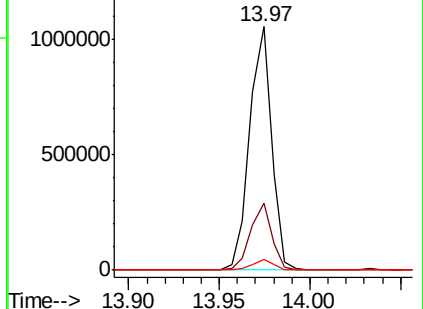
279 4.4 3.8 5.6

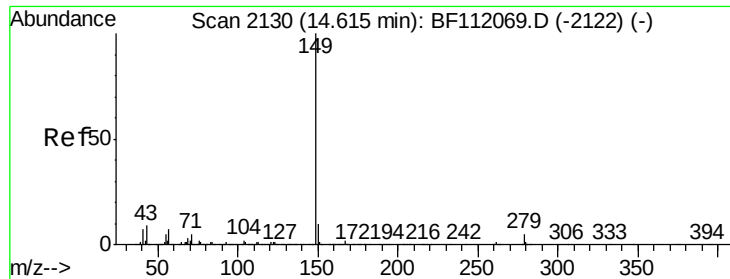


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 50.581 ng

RT: 14.58 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

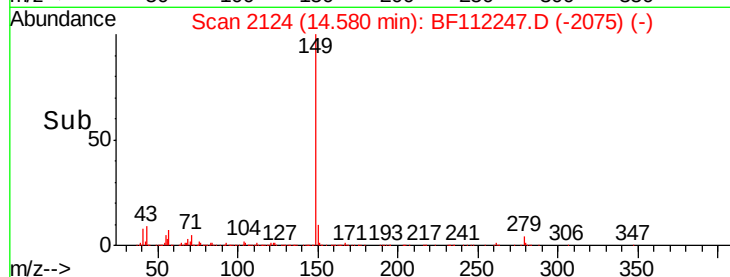
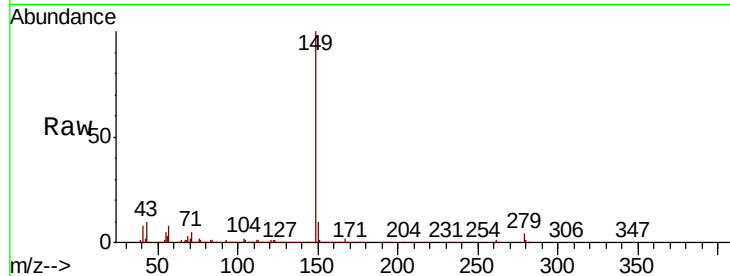
Tgt Ion:149 Resp: 1332485

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

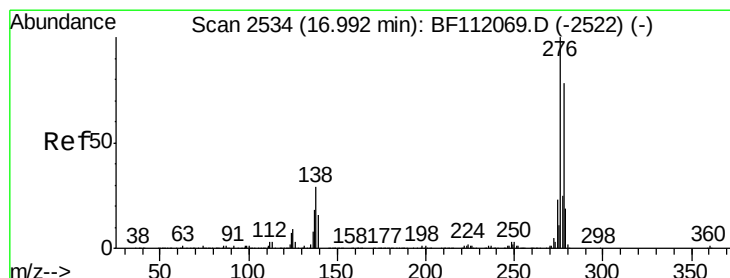
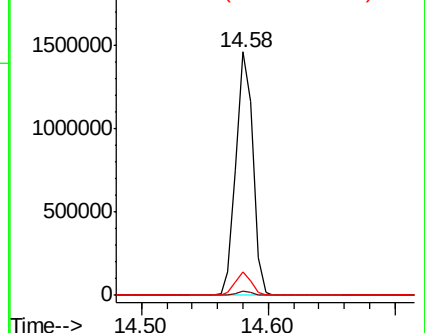
43 8.7 7.8 11.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 80.921 ng

RT: 16.96 min Scan# 2529

Delta R.T. -0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

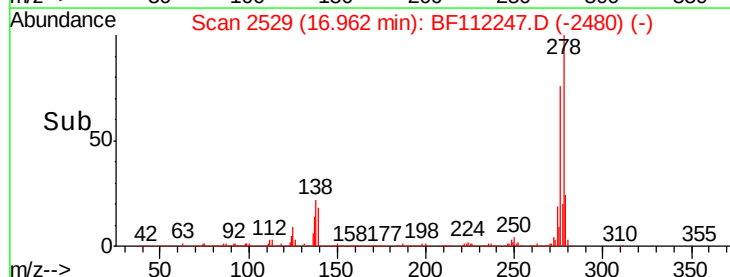
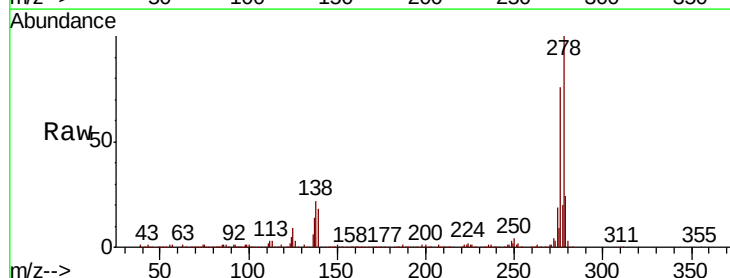
Tgt Ion:276 Resp: 1295673

Ion Ratio Lower Upper

276 100

138 26.1 22.6 34.0

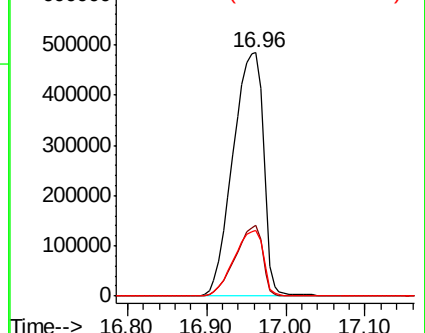
277 26.0 20.3 30.5

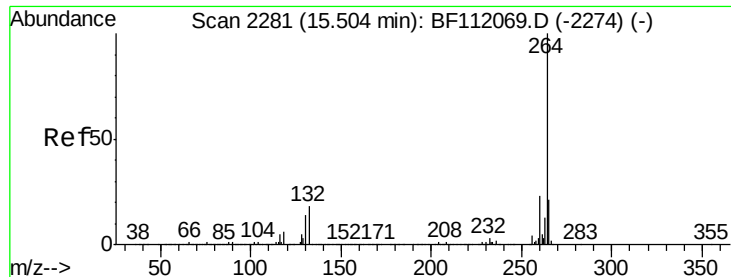


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

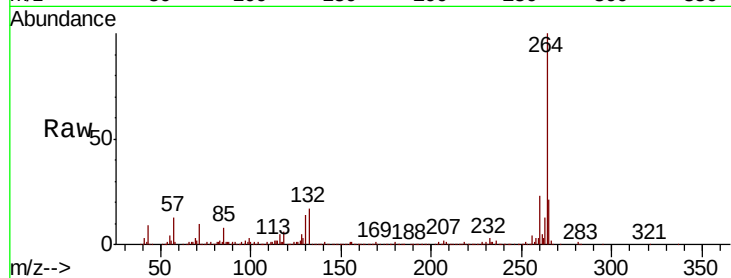




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.2
265	20.8	17.0	25.4

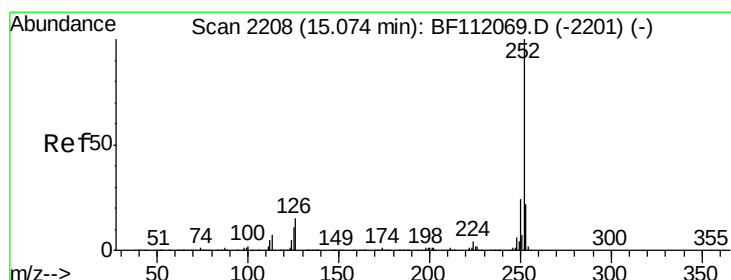
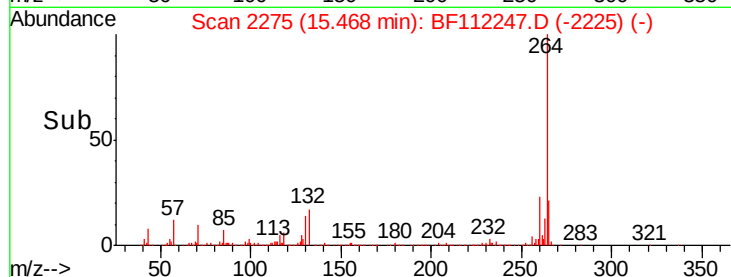
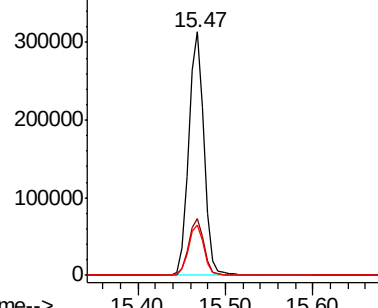


Abundance

Ion 264.00 (263.70 to 264.70): E

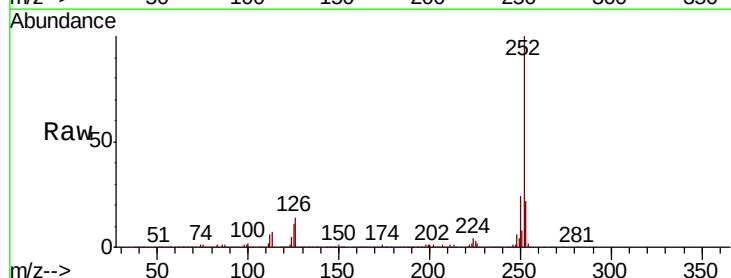
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 49.992 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	10.7	8.7	13.1

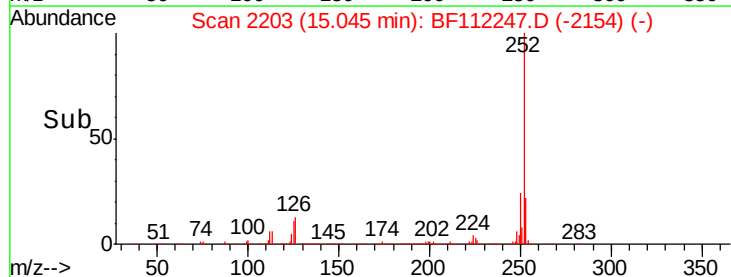
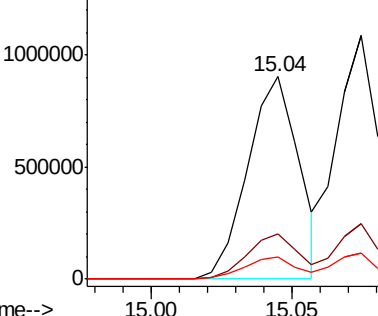


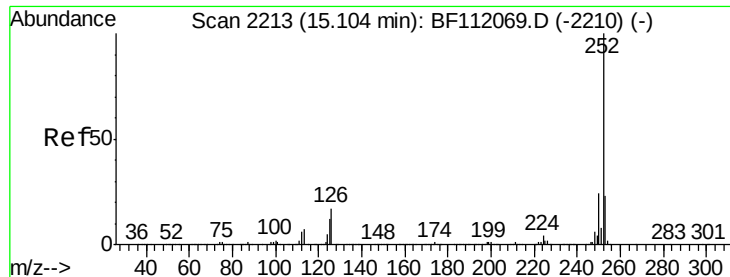
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

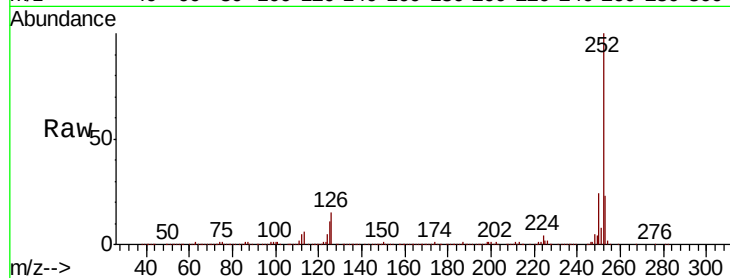




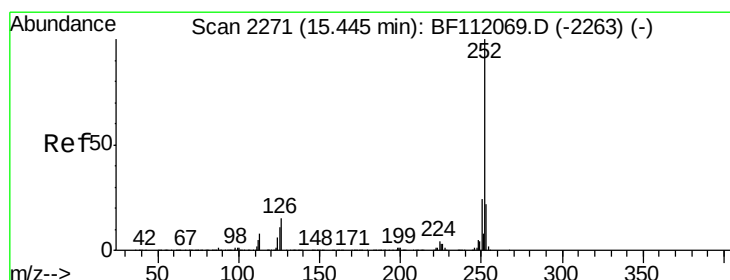
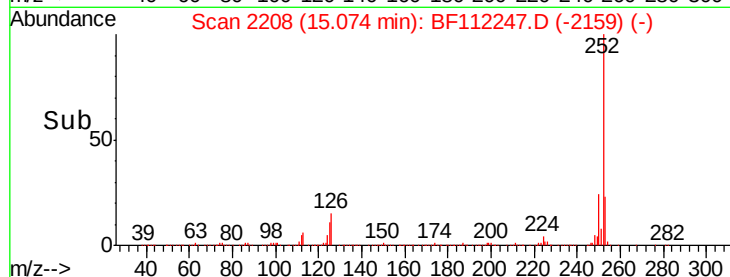
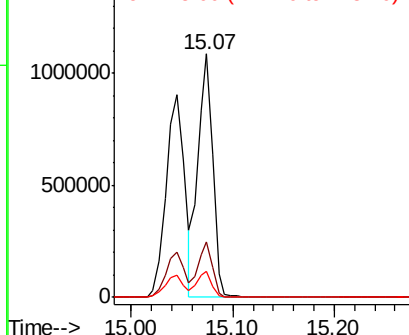
#89
Benzo(k)fluoranthene
Concen: 50.542 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampled :
S4MSD

Tgt Ion:252 Resp: 1104825
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 10.7 9.1 13.7

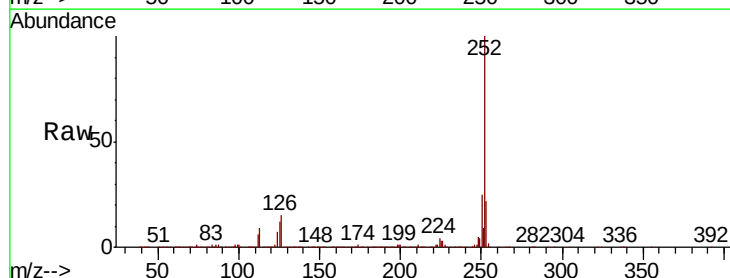


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

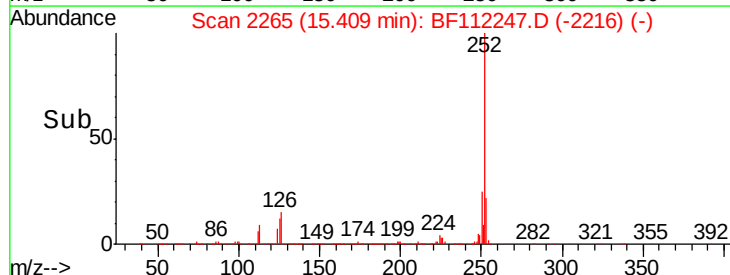
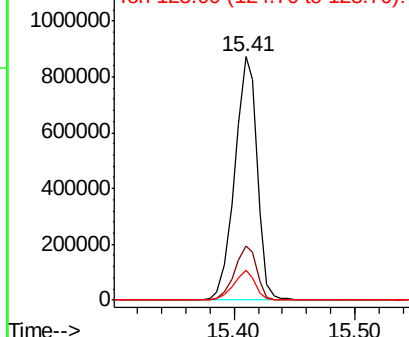


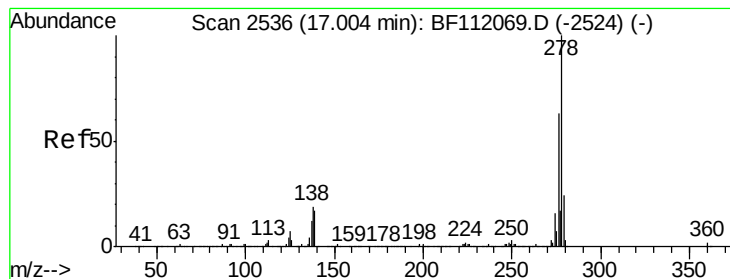
#90
Benzo(a)pyrene
Concen: 54.732 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion:252 Resp: 1123881
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 12.2 9.0 13.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 64.684 ng

RT: 16.96 min Scan# 2529

Delta R.T. -0.02 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

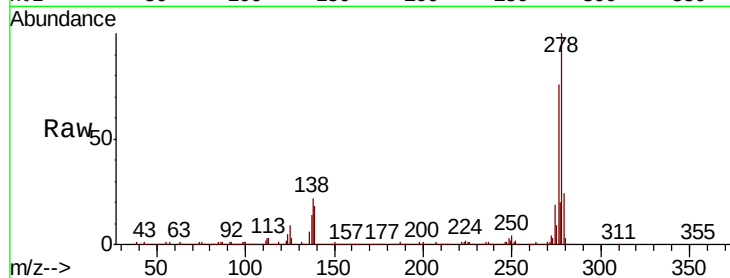
Tgt Ion:278 Resp: 1070484

Ion Ratio Lower Upper

278 100

139 17.7 13.7 20.5

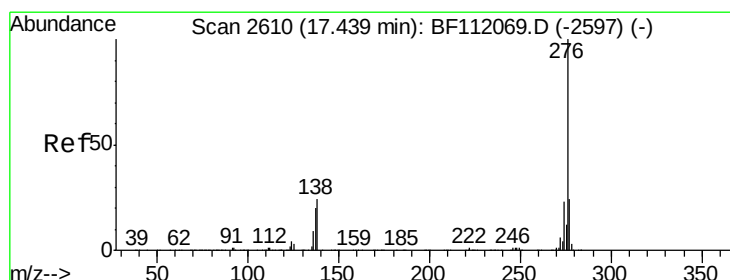
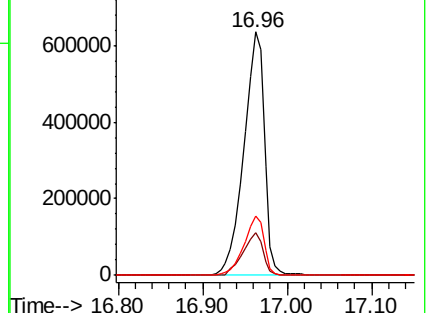
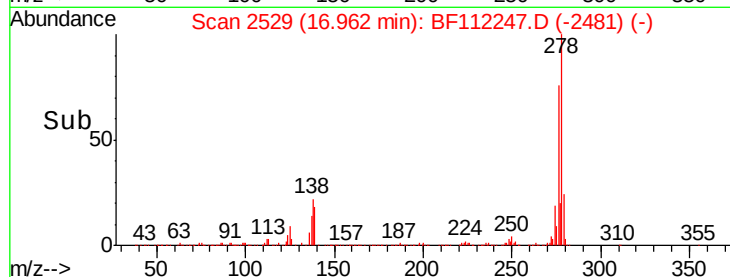
279 24.2 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 68.230 ng

RT: 17.40 min Scan# 2603

Delta R.T. -0.02 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

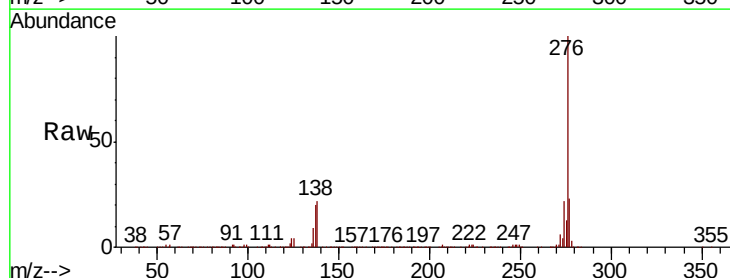
Tgt Ion:276 Resp: 1065316

Ion Ratio Lower Upper

276 100

277 23.2 19.4 29.0

138 22.3 19.1 28.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

