

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

Manual Integrations
 APPROVED

mohammad
 1/29/2019 12:31:42 AM

Quant Time: Jan 28 03:29:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 02:58:56 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	0.00
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	0.02
7) Phenol-d6	6.50	99	2019885	159.17	ng	0.01
23) Nitrobenzene-d5	7.41	82	1287289	98.18	ng	0.00
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	0.00

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	526777	54.088	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	667157	50.947	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	8.58	113	179175m	47.072	ng	
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	nq	99
43) 2,4,6-Trichlorophenol	9.13	196	383789	52.464	nq	98
44) 2,4,5-Trichlorophenol	9.17	196	406630	53.186	nq	97
46) 1,1'-Biphenyl	9.30	154	1543220	48.838	nq	99
47) 2-Chloronaphthalene	9.33	162	1194347	48.741	nq	97
48) 2-Nitroaniline	9.43	65	338719	50.716	nq	92
49) Acenaphthylene	9.75	152	1878114	52.293	nq	100
50) Dimethylphthalate	9.60	163	1661383	59.161	nq	100
51) 2,6-Dinitrotoluene	9.67	165	323485	51.434	nq #	83
52) Acenaphthene	9.92	154	1088870	50.752	nq	100
53) 3-Nitroaniline	9.84	138	192496	28.251	nq	96
54) 2,4-Dinitrophenol	9.95	184	96320	47.720	nq	93
55) Dibenzofuran	10.09	168	1604535	48.939	nq	95
56) 4-Nitrophenol	10.03	139	375308	104.184	nq	97
57) 2,4-Dinitrotoluene	10.08	165	406166	50.727	nq #	87
58) Fluorene	10.43	166	1271124	51.809	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.22	232	323024	55.909	nq	95
60) Diethylphthalate	10.30	149	1367341	49.064	nq	100
61) 4-Chlorophenyl-phenylether	10.42	204	616390	46.184	nq	93
62) 4-Nitroaniline	10.46	138	296500	44.364	nq	95
63) Azobenzene	10.58	77	1194780	48.747	nq	99
65) 4,6-Dinitro-2-methylphenol	10.49	198	145068	41.193	nq	98
66) n-Nitrosodiphenylamine	10.54	169	1129509	53.356	nq	99
67) 4-Bromophenyl-phenylether	10.91	248	376487	50.962	nq	97
68) Hexachlorobenzene	10.99	284	411208	51.881	nq	98
69) Atrazine	11.07	200	361985	52.994	nq	97
70) Pentachlorophenol	11.19	266	329295	106.773	nq	99
71) Phenanthrene	11.39	178	1719253	52.649	nq	99
72) Anthracene	11.45	178	1754255	53.930	nq	100
73) Carbazole	11.60	167	1504664	46.894	nq	99
74) Di-n-butylphthalate	11.92	149	1941563	48.749	nq	99
75) Fluoranthene	12.58	202	1543147	44.059	nq	99
77) Benzidine	12.69	184	501358	50.584	nq	95
78) Pyrene	12.81	202	1499286	60.135	nq	99
80) Butylbenzylphthalate	13.42	149	664364	55.077	nq	96
81) Benzo(a)anthracene	14.00	228	1151964	54.417	nq	99
82) 3,3'-Dichlorobenzidine	13.95	252	235433	29.717	nq	99
83) Chrysene	14.03	228	1067247	52.816	nq	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	890667	52.017	nq	99
85) Di-n-octyl phthalate	14.58	149	1332485	50.581	nq	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	1295673	80.921	nq	97
88) Benzo(b)fluoranthene	15.04	252	1140884	49.992	nq	99
89) Benzo(k)fluoranthene	15.07	252	1104825	50.542	nq	99
90) Benzo(a)pyrene	15.41	252	1123881	54.732	nq	99
91) Dibenzo(a,h)anthracene	16.96	278	1070484	64.684	nq	99
92) Benzo(g,h,i)perylene	17.40	276	1065316	68.230	nq	97

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

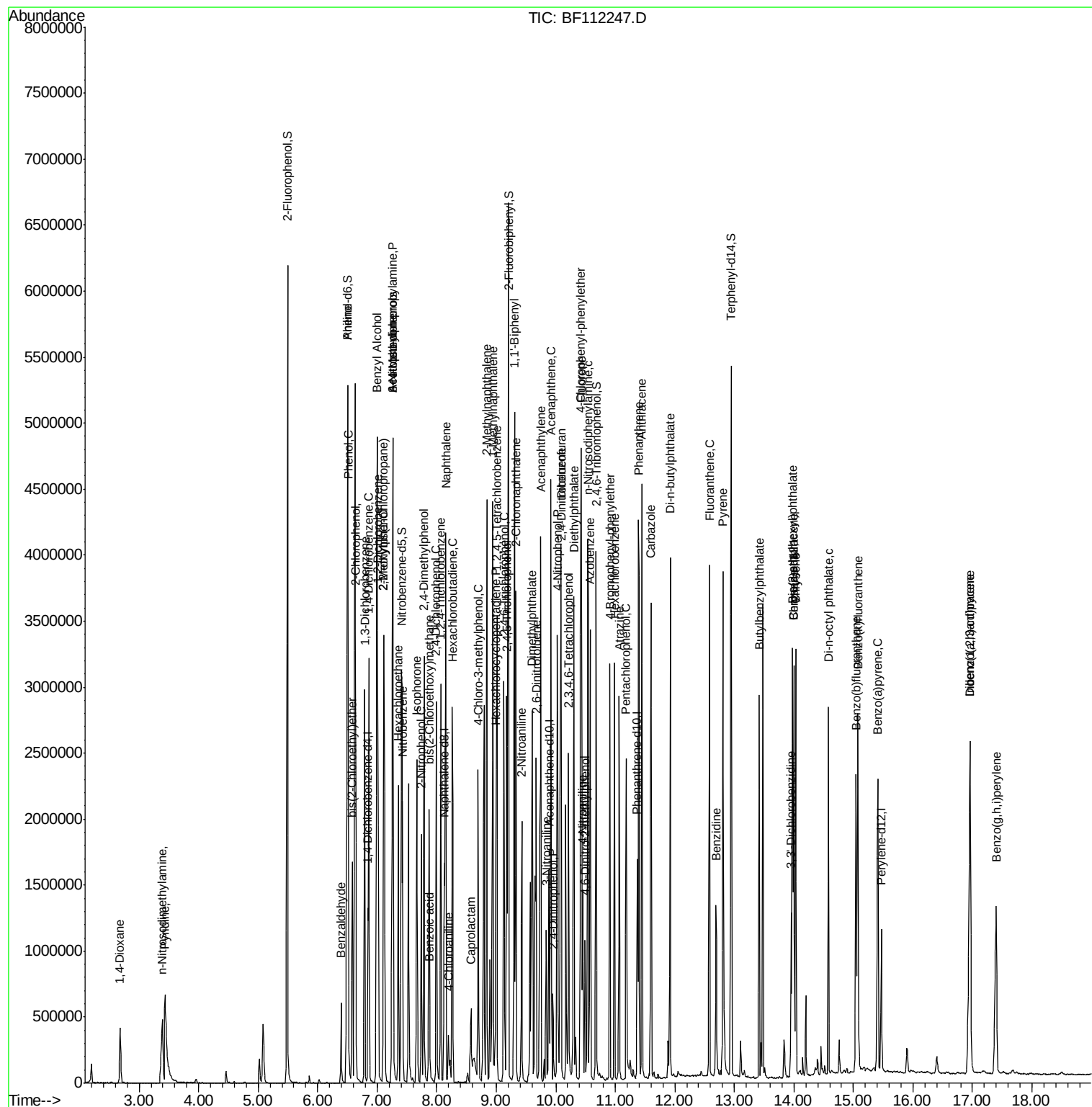
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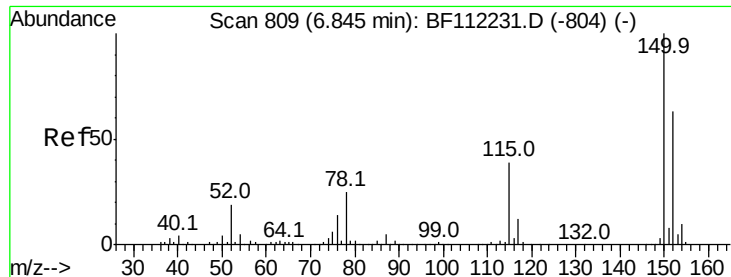
Instrument :
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ClientSampled :
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#1

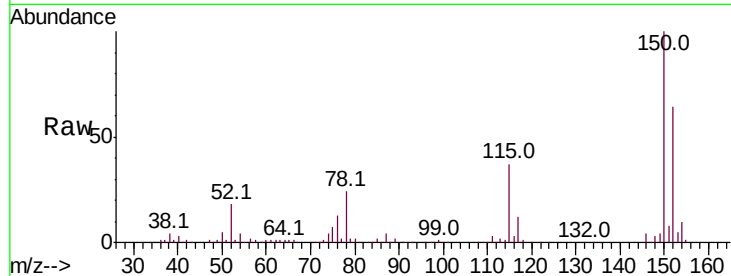
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	127.4	191.0
115	57.9	45.5	68.3

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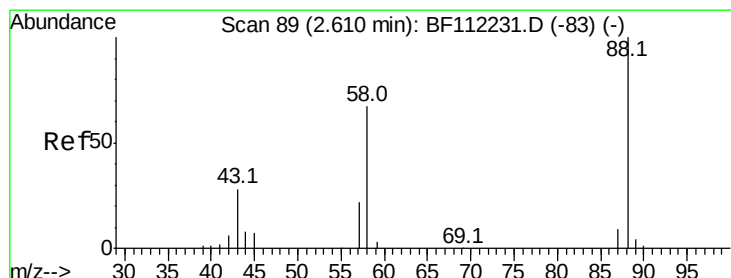
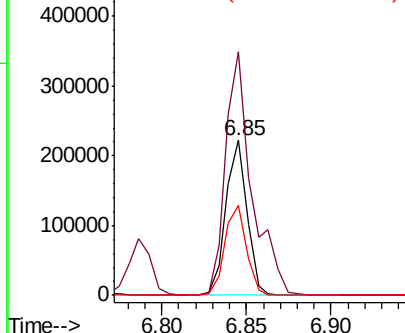
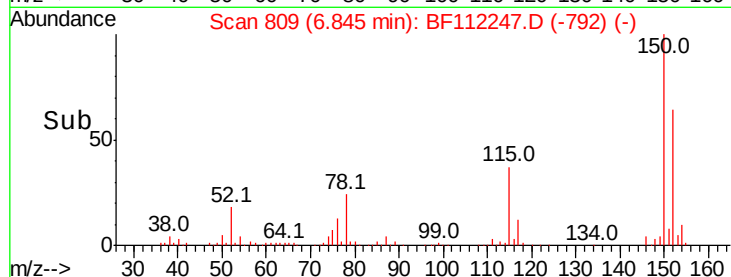


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

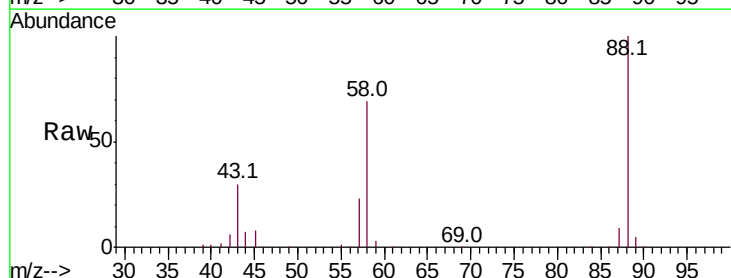
Ion 115.00 (114.70 to 115.70): E



#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	Ratio	Lower	Upper
88	100		
58	68.5	57.4	86.2
43	29.2	22.2	33.4

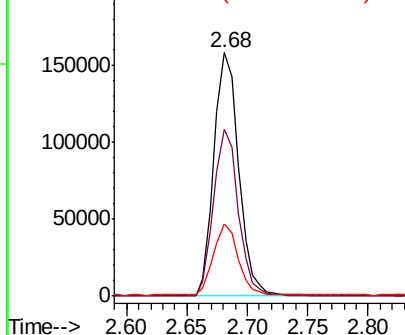
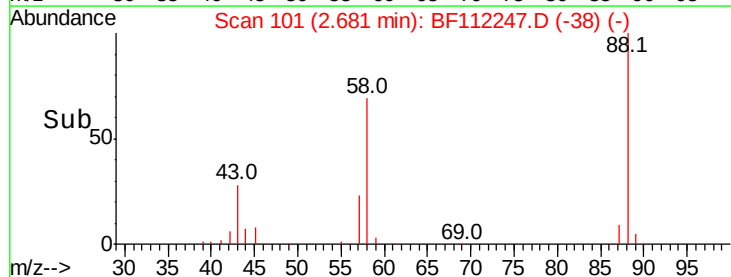


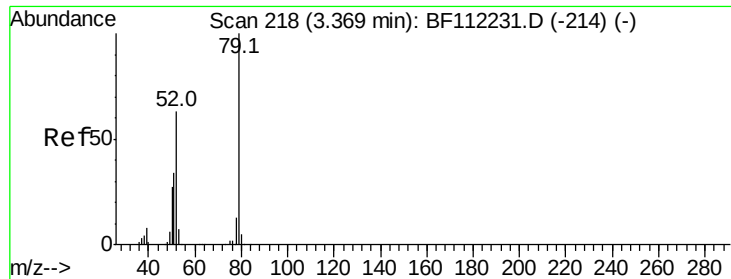
Abundance

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

Pvridine

Concen: 68.698 ng

RT: 3.43 min Scan# 229

Delta R.T. 0.07 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

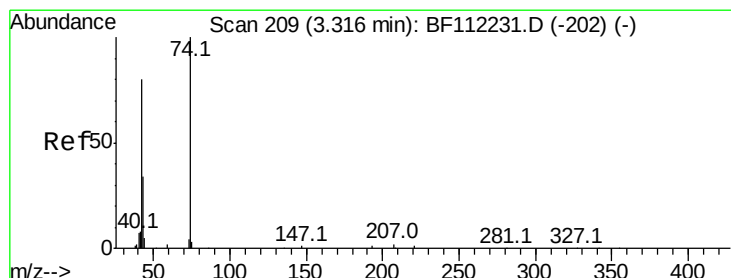
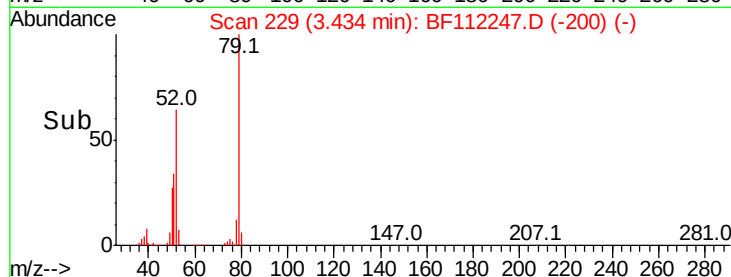
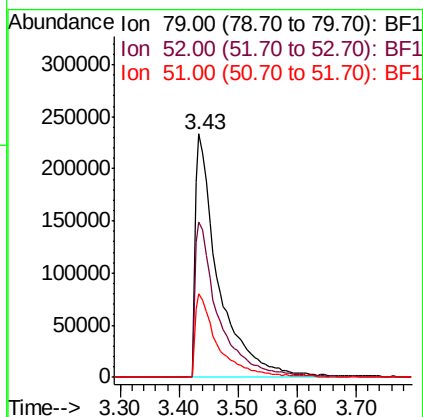
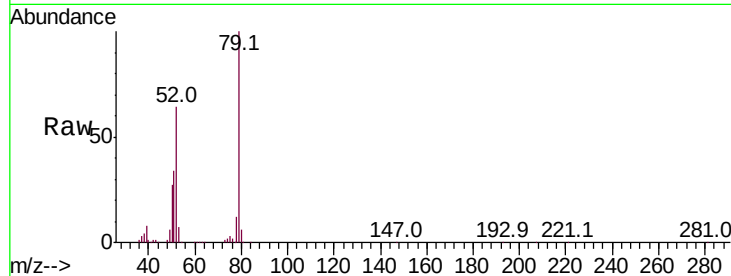
ClientSampleId :

S4MSD

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

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#4

n-Nitrosodimethylamine

Concen: 82.137 ng

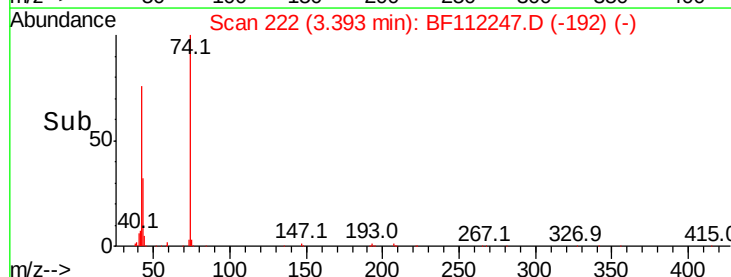
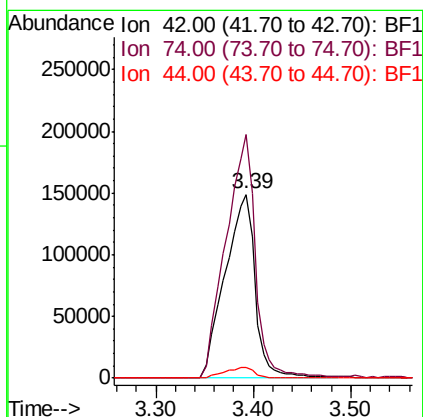
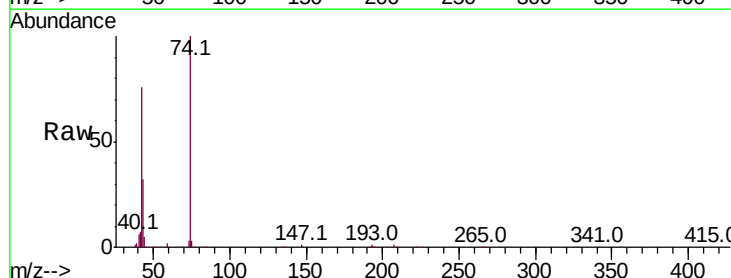
RT: 3.39 min Scan# 222

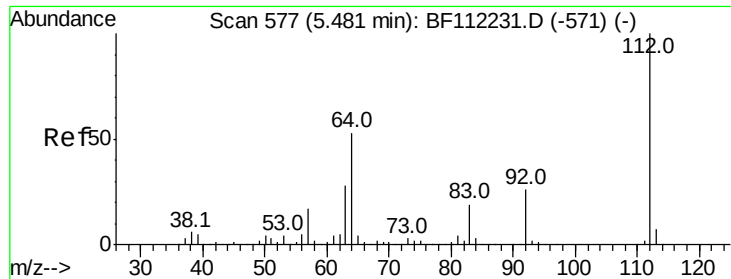
Delta R.T. 0.08 min

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. 0.02 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampled :

S4MSD

Tot Ion:112 Resp: 1924420

Ion Ratio Lower Upper

112 100

64 55.8 45.7 68.5

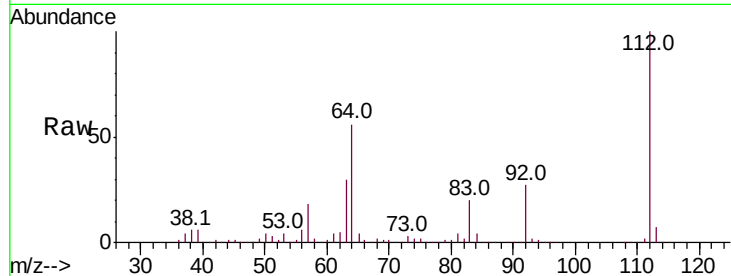
63 30.2 23.6 35.4

Manual Integrations

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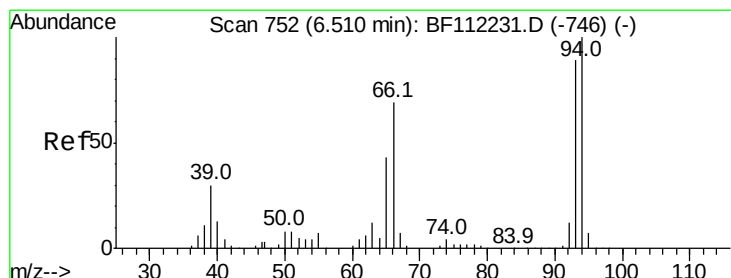
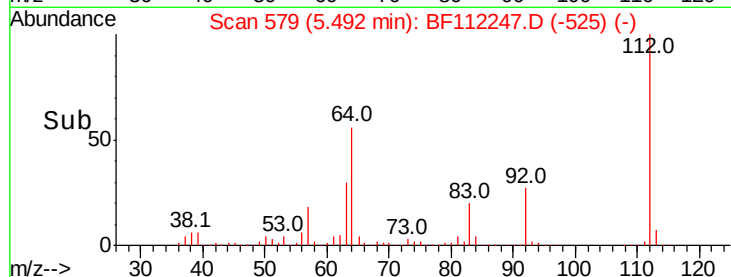
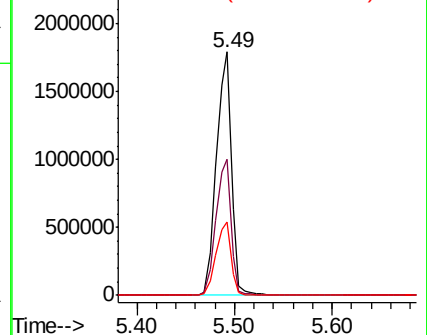
1/29/2019 12:31:42 AM



Abundance Ion 112.00 (111.70 to 112.70): E

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. 0.00 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

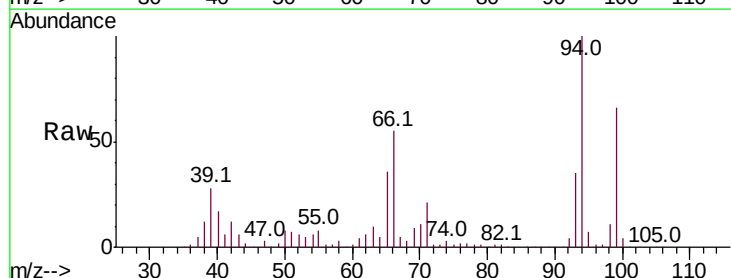
Tgt Ion: 93 Resp: 386503

Ion Ratio Lower Upper

93 100

66 158.4 43.4 65.2#

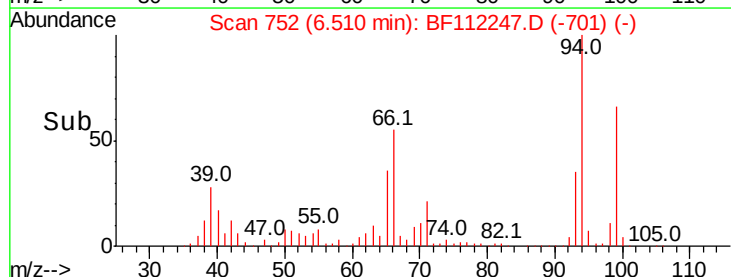
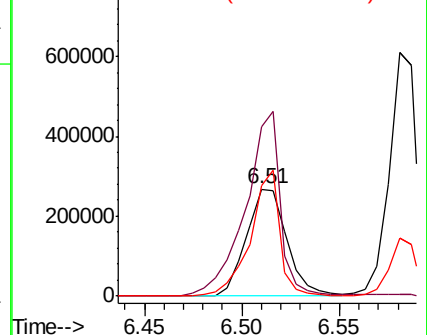
65 103.0 25.3 37.9#

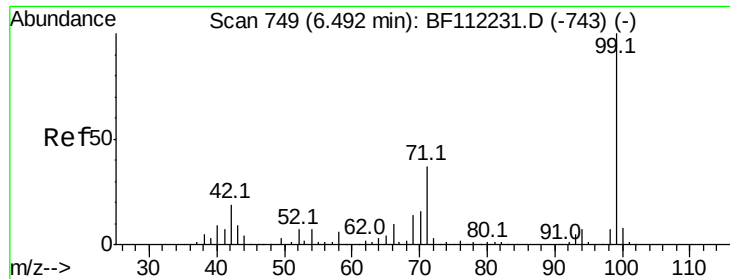


Abundance Ion 93.00 (92.70 to 93.70): BF1

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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Instrument :

BNA_F

ClientSampled :

S4MSD

Tot Ion: 99 Resp: 2019885

Ion Ratio Lower Upper

99 100

42 18.2 15.1 22.7

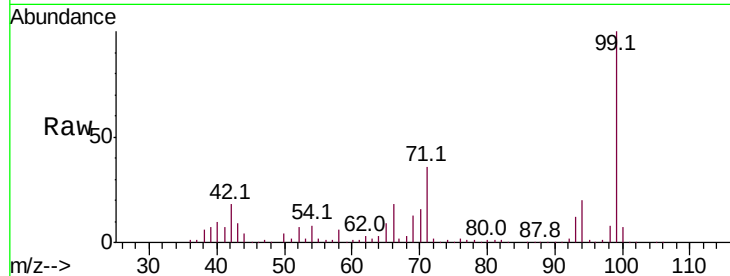
71 36.3 26.9 40.3

Manual Integrations

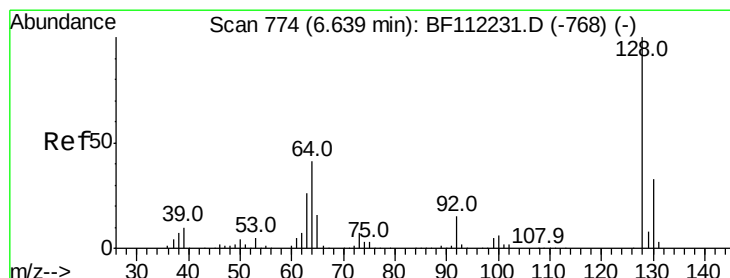
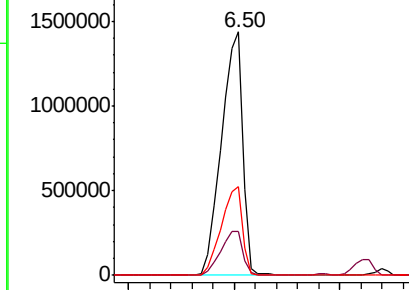
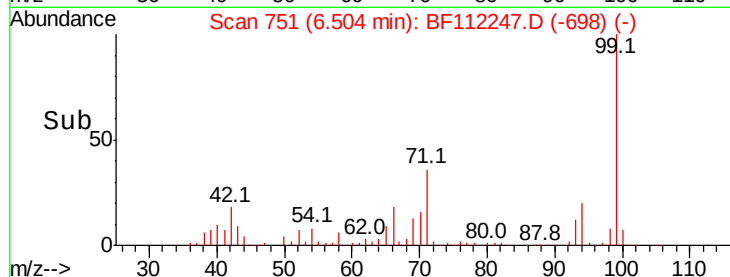
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#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

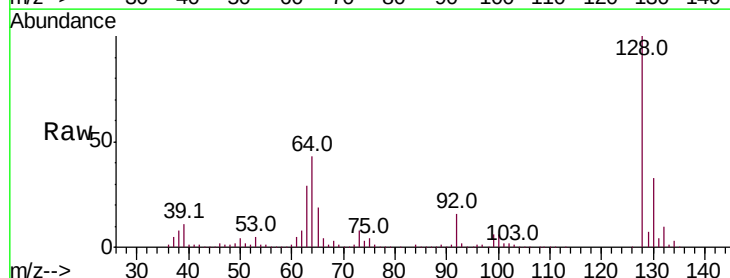
Tgt Ion: 128 Resp: 661851

Ion Ratio Lower Upper

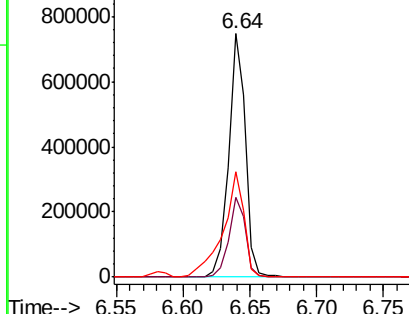
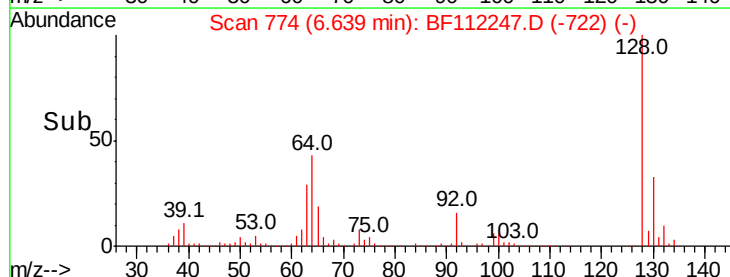
128 100

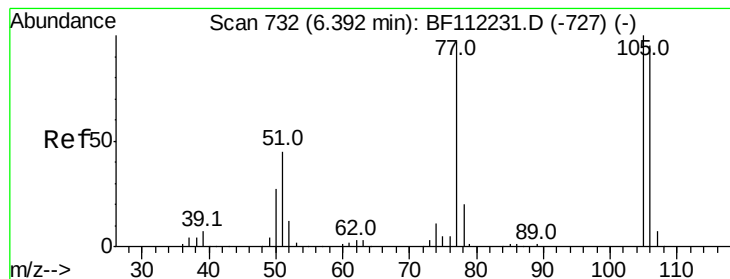
130 32.9 13.4 53.4

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. 0.00 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

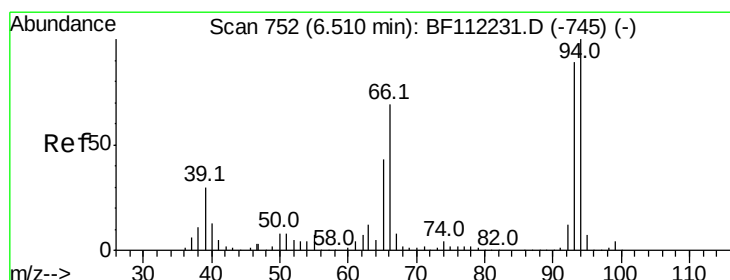
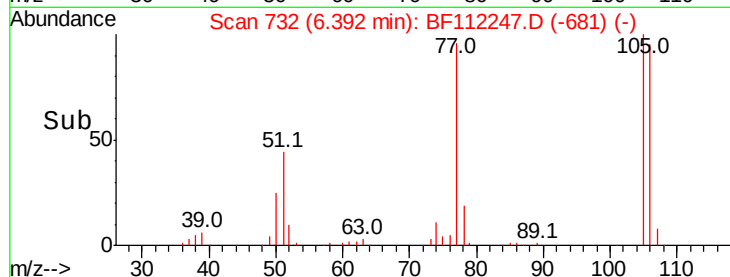
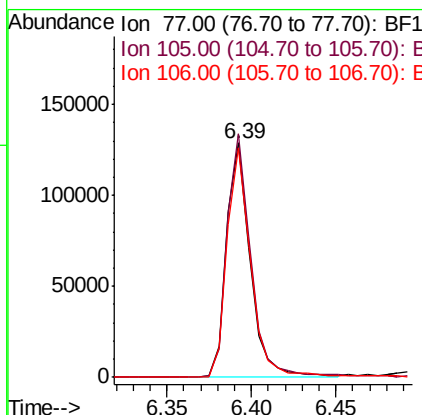
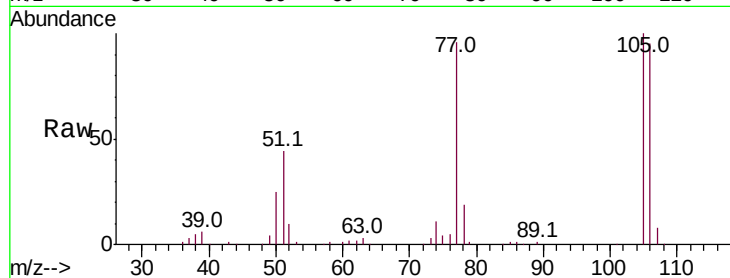
ClientSampleId :

S4MSD

Tot Ion:	77	Resp:	126175
Ion Ratio	Lower	Upper	
77	100		
105	103.8	80.8	120.8
106	98.1	75.7	115.7

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#10

Phenol

Concen: 62.905 ng

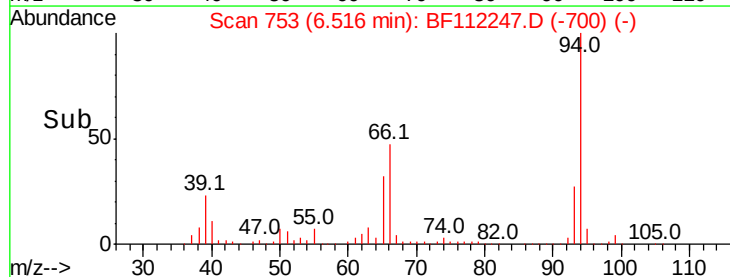
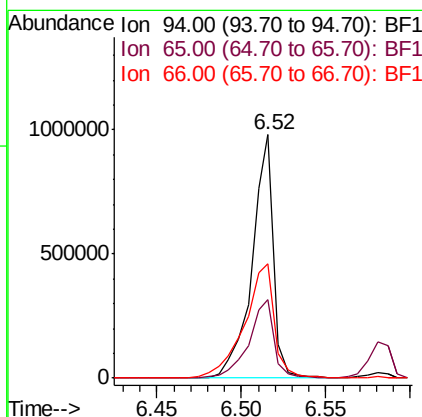
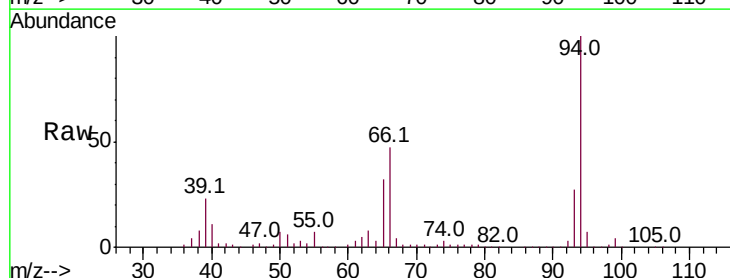
RT: 6.52 min Scan# 753

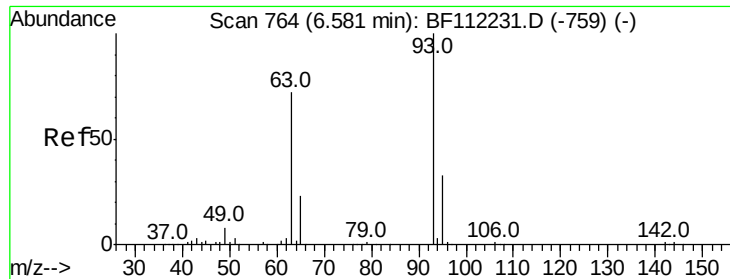
Delta R.T. 0.01 min

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





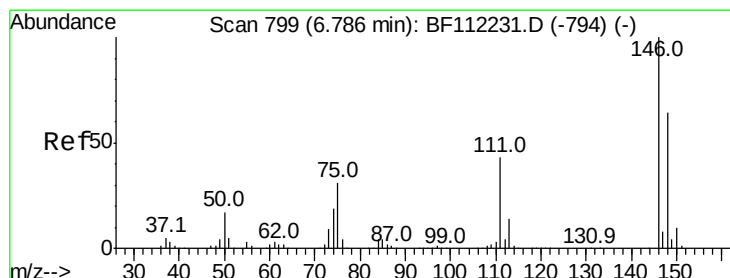
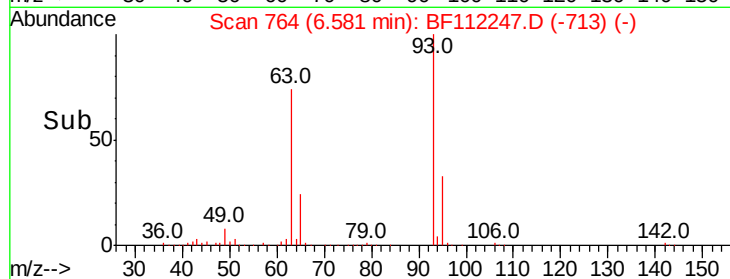
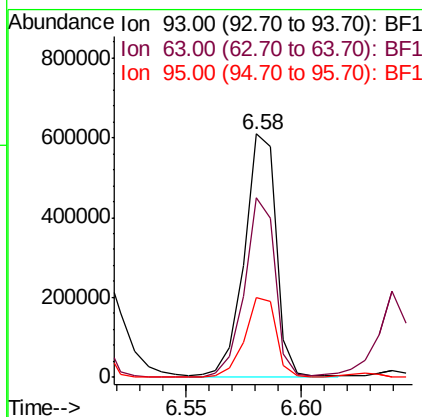
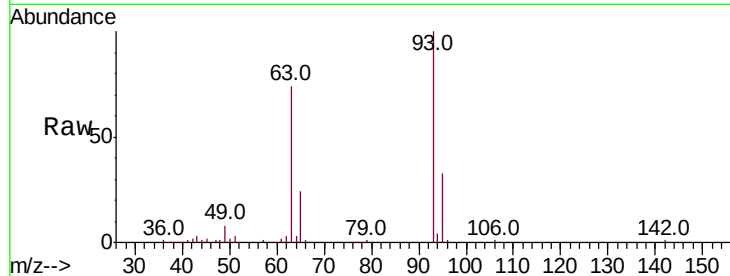
#11
 bis(2-Chloroethyl)ether
 Concen: 53.987 ng
 RT: 6.58 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Instrument :
 BNA_F
 ClientSampleId :
 S4MSD

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

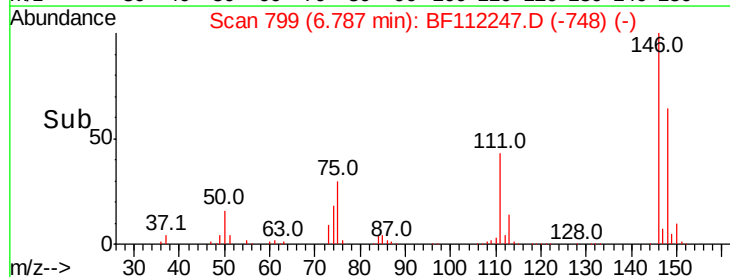
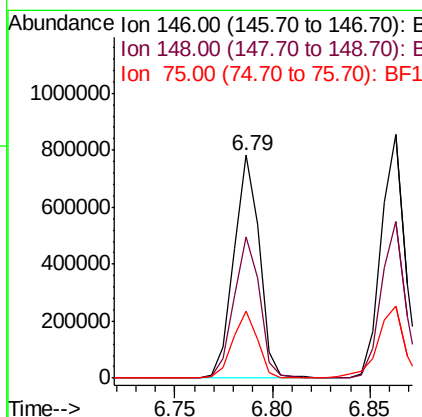
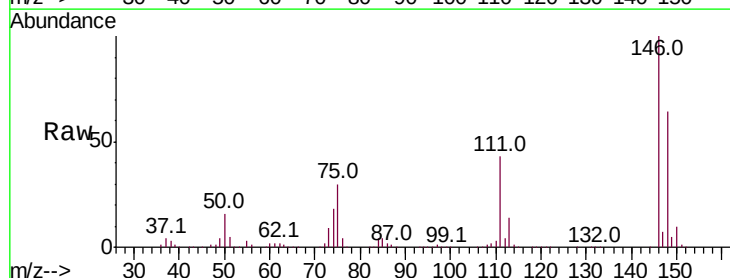
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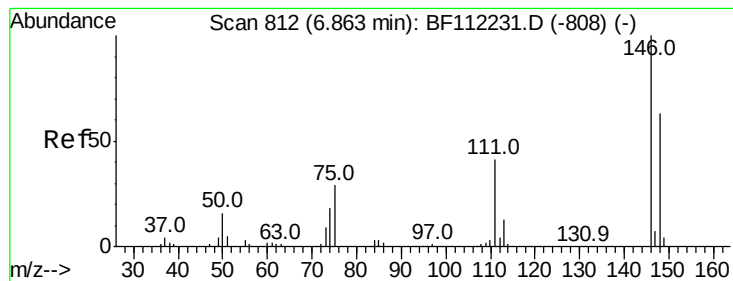
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#12
 1,3-Dichlorobenzene
 Concen: 49.755 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

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





#13

1,4-Dichlorobenzene

Concen: 48.980 ng

RT: 6.86 min Scan# 812

Delta R.T. 0.00 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

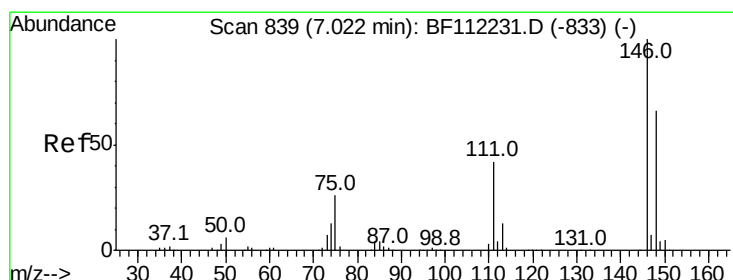
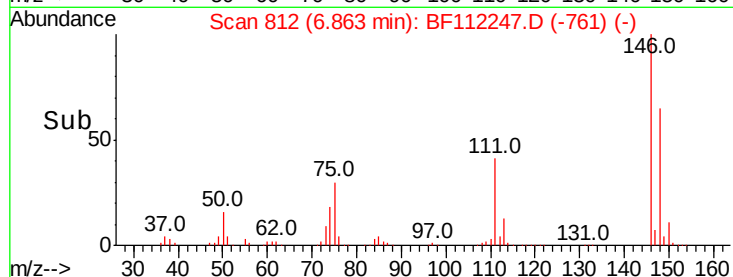
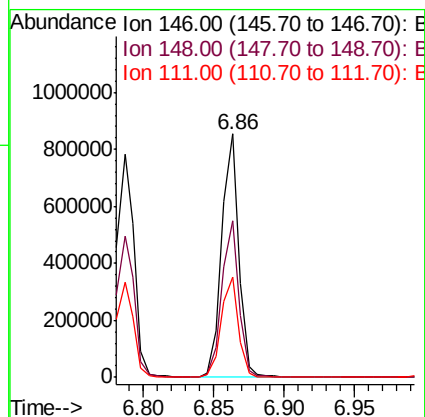
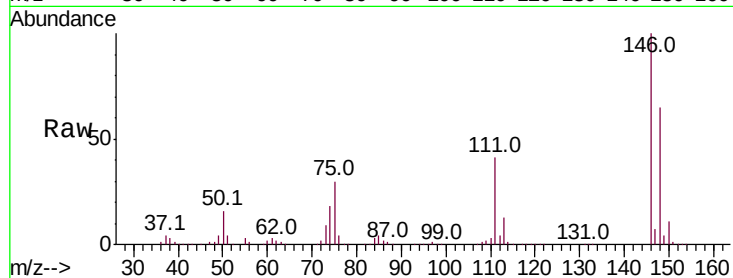
ClientSampled :

S4MSD

Tot Ion:	146	Resp:	721257
Ion Ratio	Lower	Upper	
146	100		
148	64.6	52.0	78.0
111	41.3	31.2	46.8

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#14

1,2-Dichlorobenzene

Concen: 48.719 ng

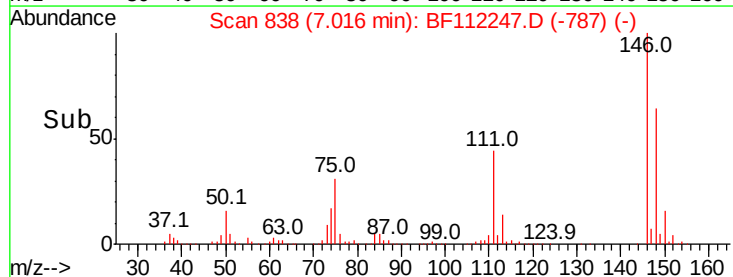
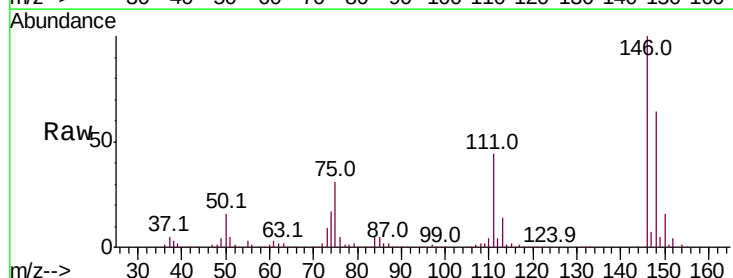
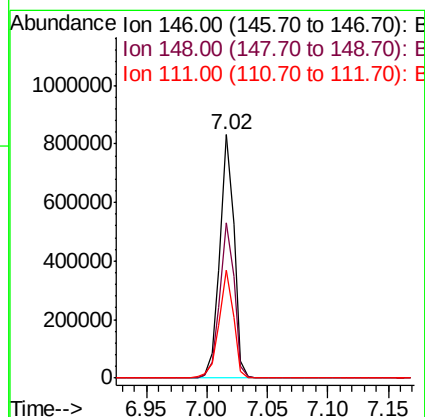
RT: 7.02 min Scan# 838

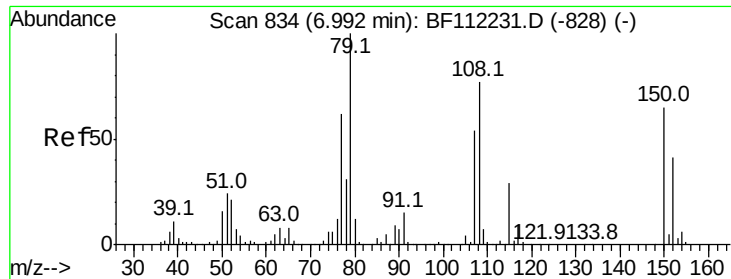
Delta R.T. 0.00 min

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





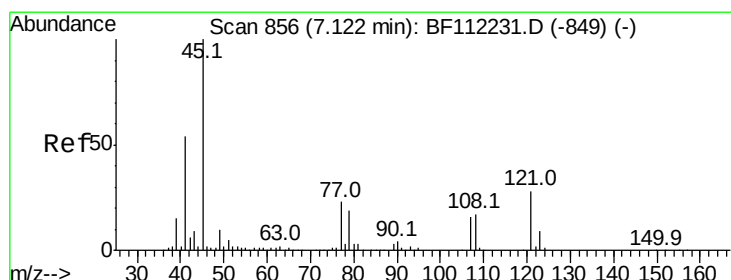
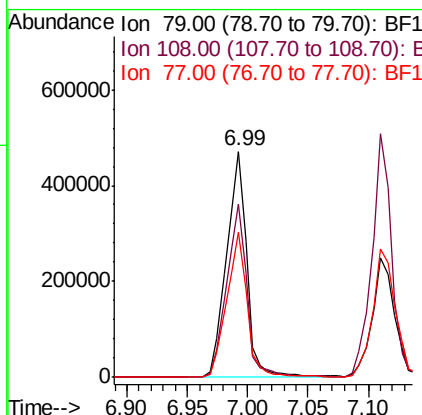
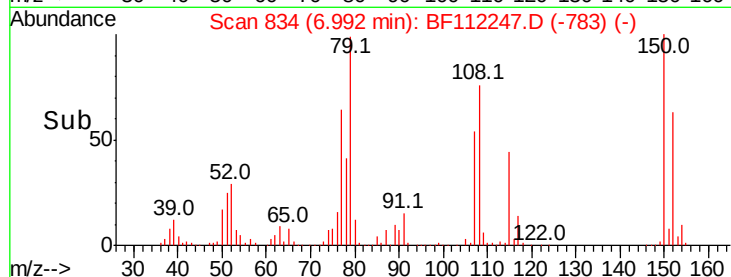
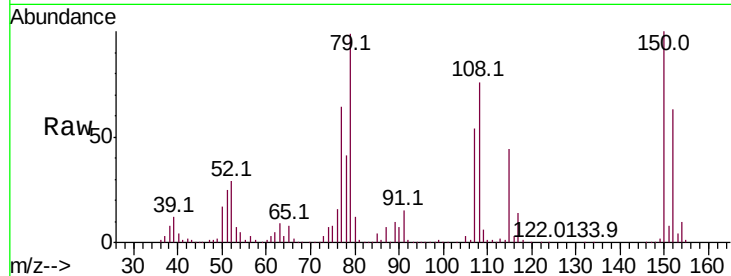
#15
Benzyl Alcohol
Concen: 51.736 ng
RT: 6.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampled :
S4MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	76.6	64.2	96.2
77	64.4	50.3	75.5

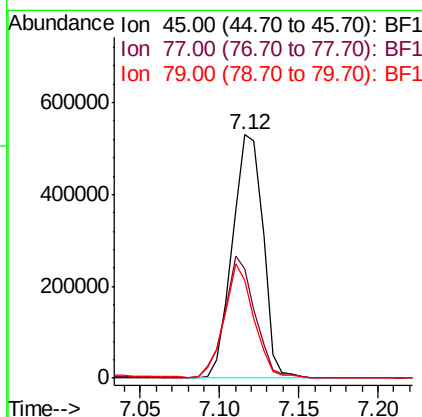
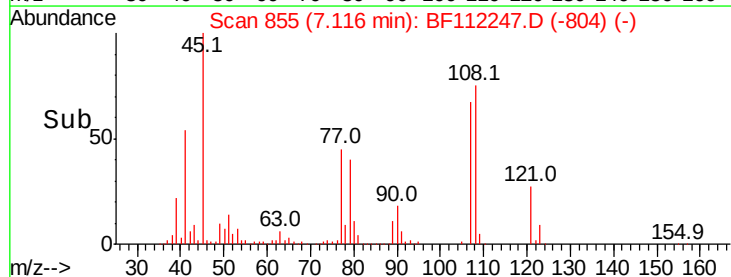
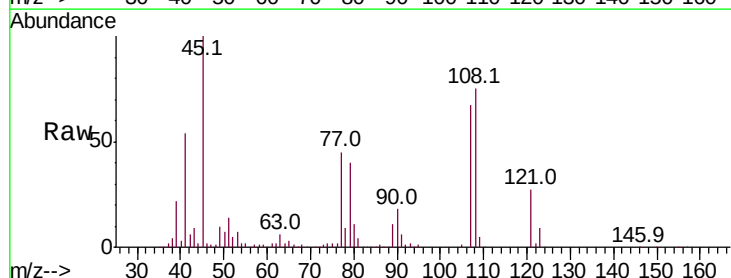
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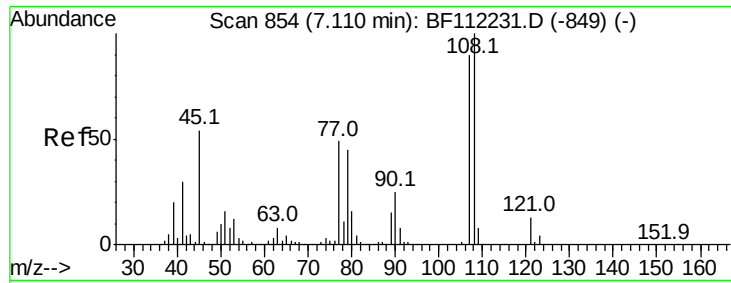
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.324 ng
RT: 7.12 min Scan# 856
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion	Ratio	Lower	Upper
45	100		
77	45.1	0.0	36.9#
79	40.2	0.0	34.0#





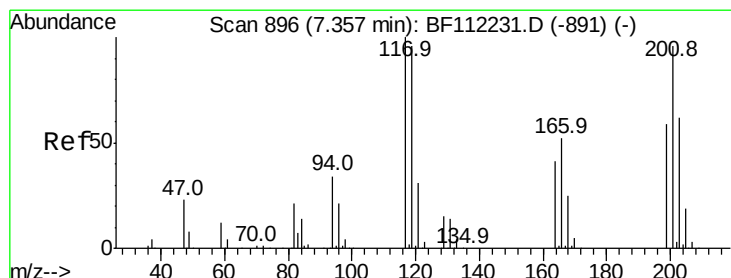
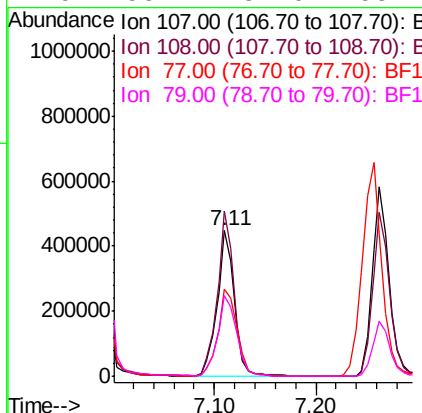
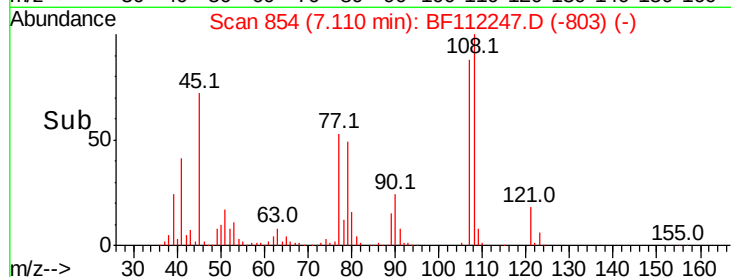
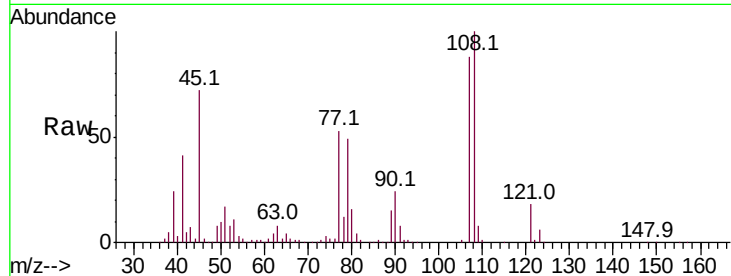
#17
2-Methylphenol
Concen: 54.088 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampled :
S4MSD

Tot Ion	Ratio	Resp	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#	

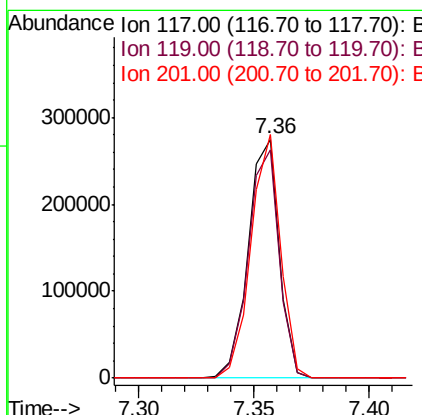
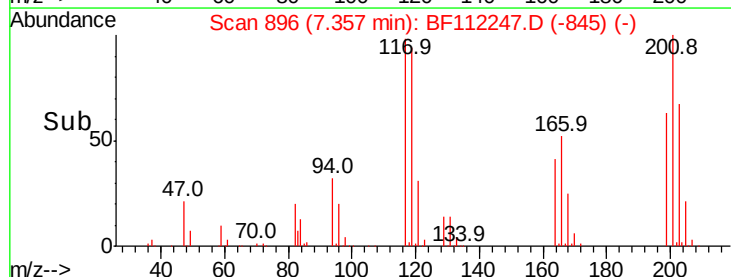
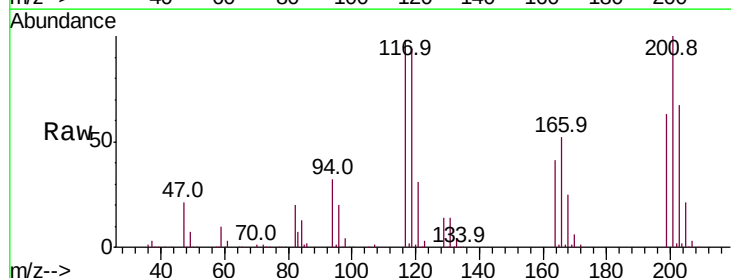
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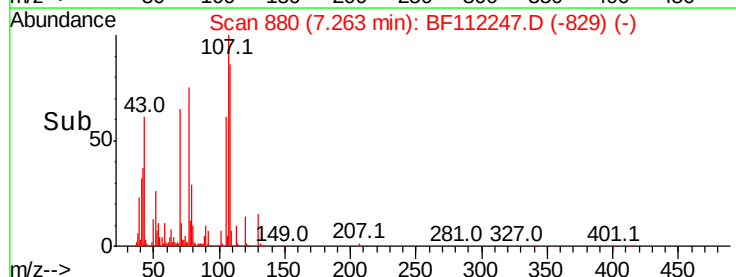
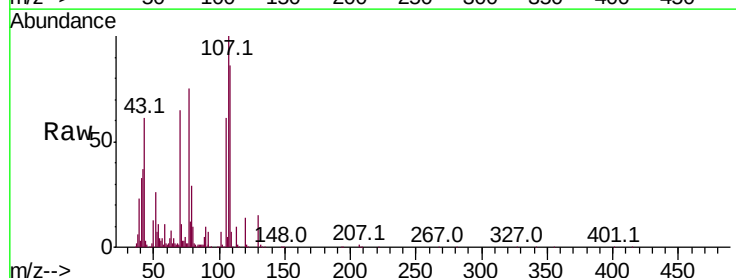
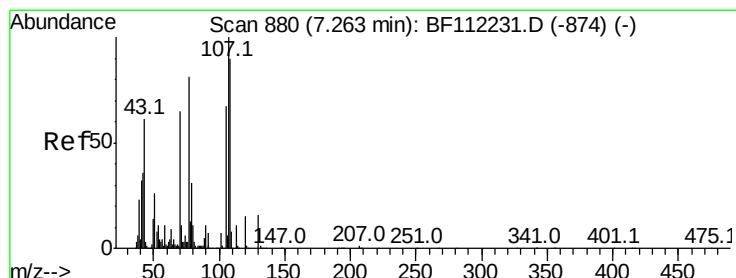
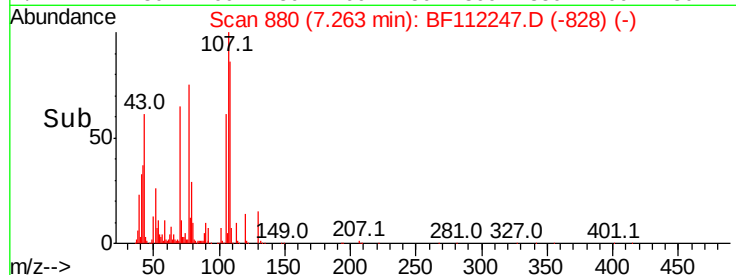
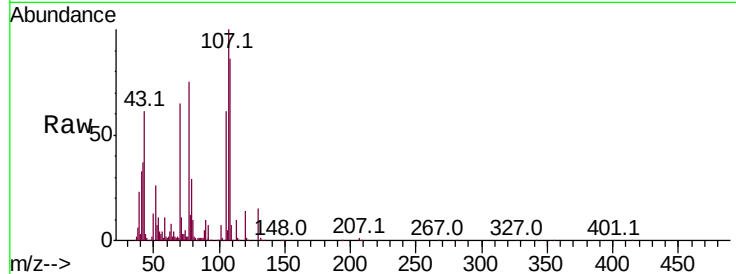
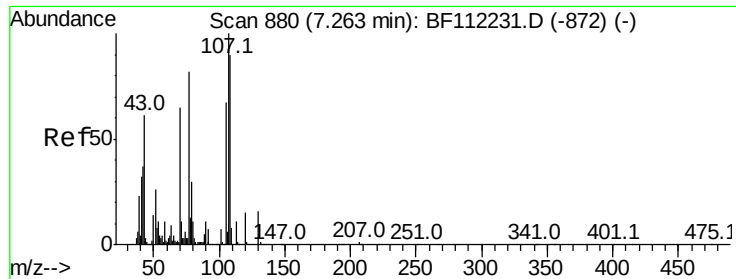
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#18
Hexachloroethane
Concen: 49.831 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

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





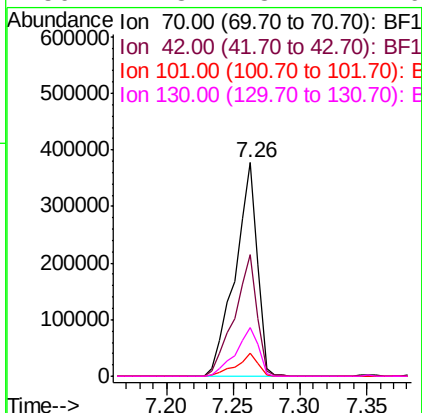
#19
n-Nitroso-di-n-propylamine
Concen: 50.488 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

Tot 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

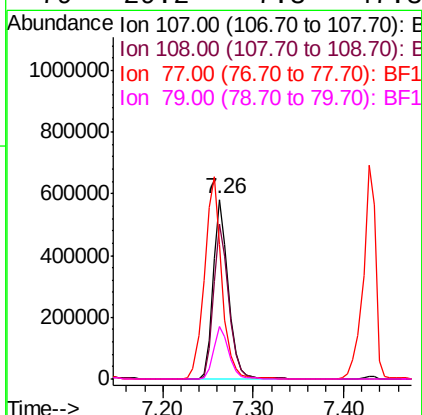
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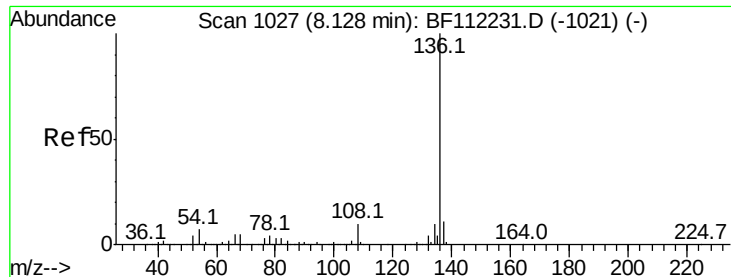
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#20
3+4-Methylphenols
Concen: 53.774 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt 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





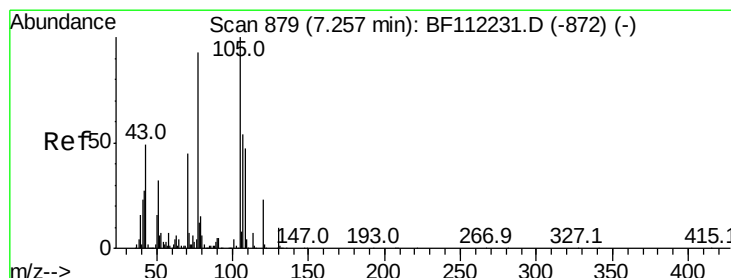
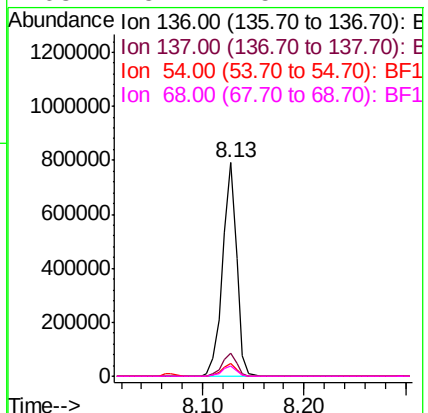
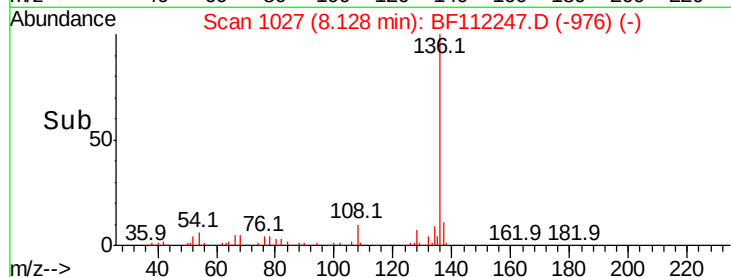
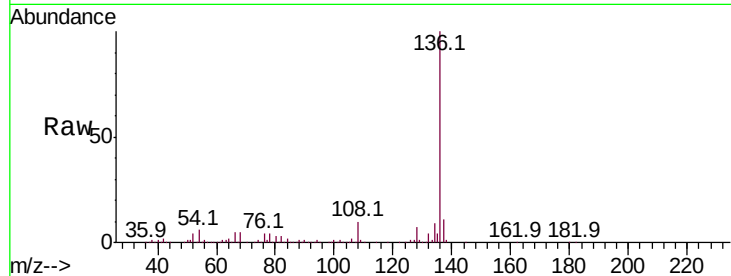
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

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

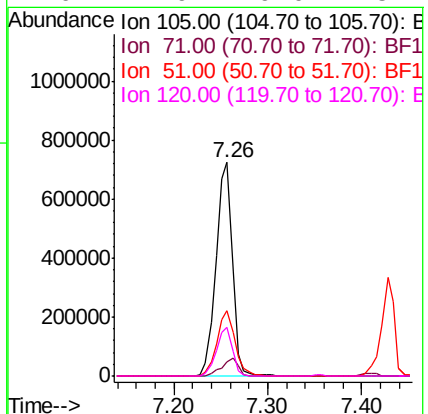
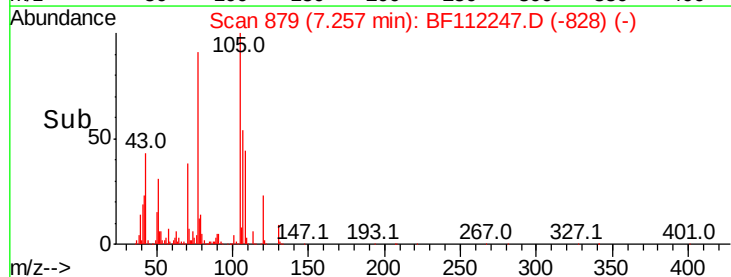
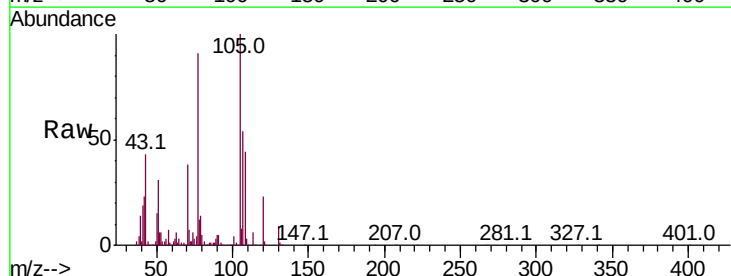
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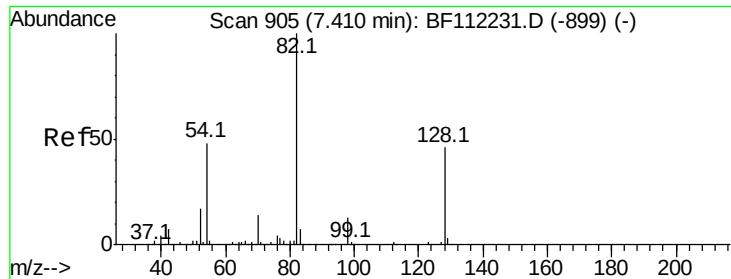
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#22
Acetophenone
Concen: 48.281 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

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





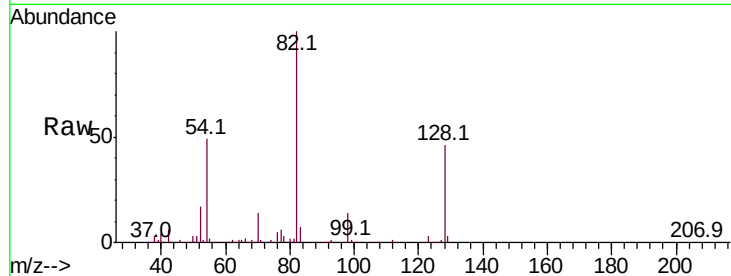
#23
 Nitrobenzene-d5
 Concen: 98.176 ng
 RT: 7.41 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Instrument :
 BNA_F
 ClientSampled :
 S4MSD

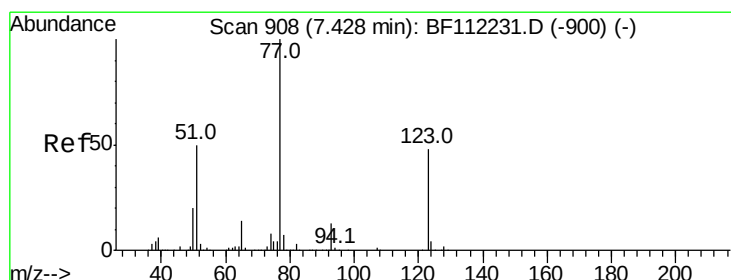
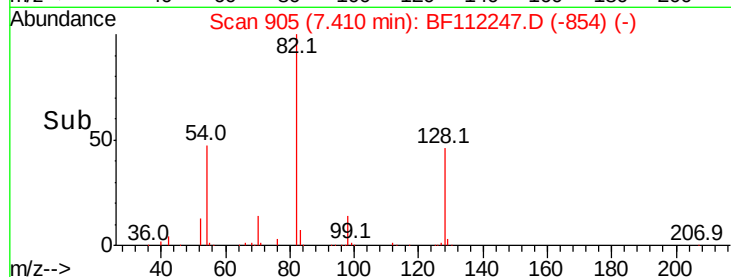
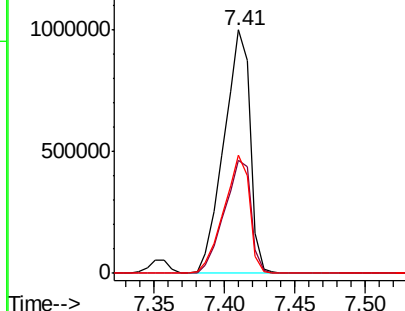
Tot Ion: 82 Resp: 1287289
 Ion Ratio Lower Upper
 82 100
 128 46.3 37.8 56.8
 54 48.6 39.7 59.5

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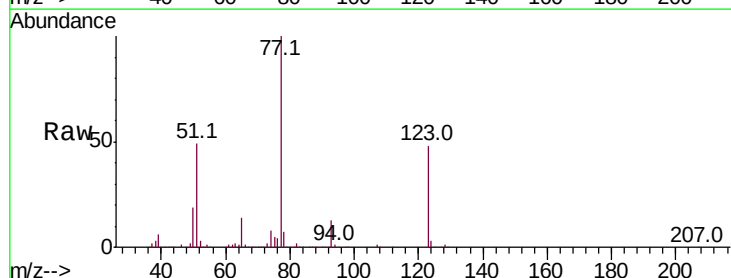


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

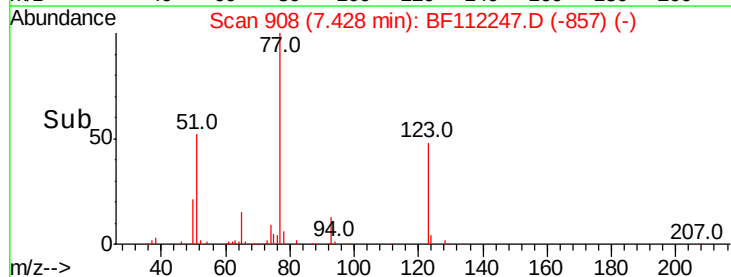
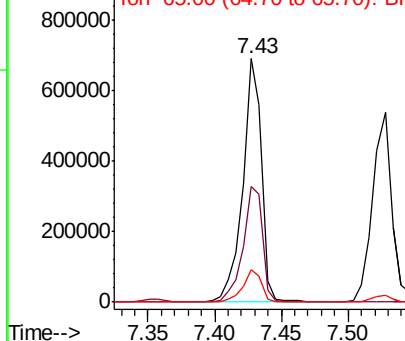


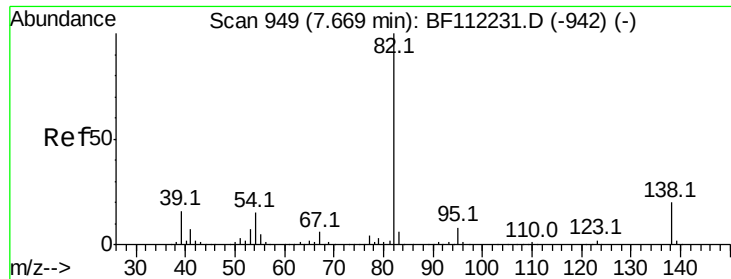
#24
 Nitrobenzene
 Concen: 50.947 ng
 RT: 7.43 min Scan# 908
 Delta R.T. 0.00 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Tgt Ion: 77 Resp: 667157
 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. 0.00 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

Tot Ion: 82 Resp: 1195129

Ion Ratio Lower Upper

82 100

95 7.5 5.7 8.5

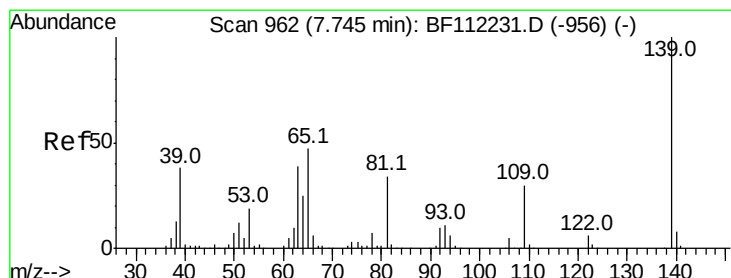
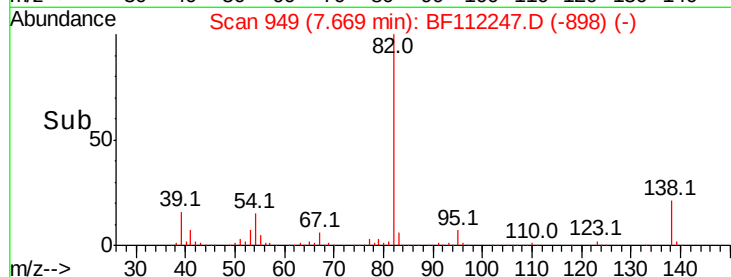
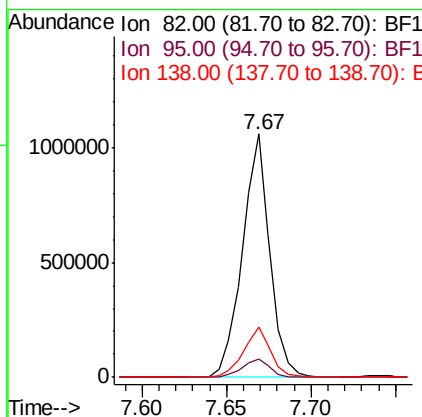
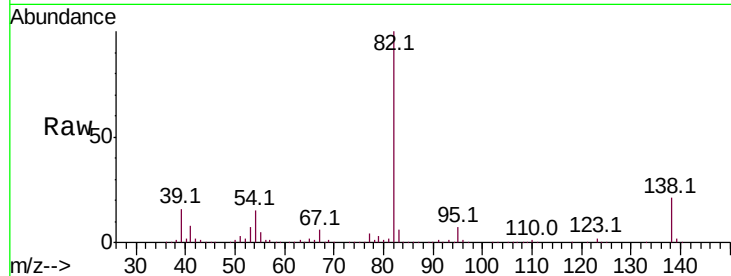
138 20.5 15.4 23.0

Manual Integrations

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#26

2-Nitrophenol

Concen: 53.463 ng

RT: 7.75 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

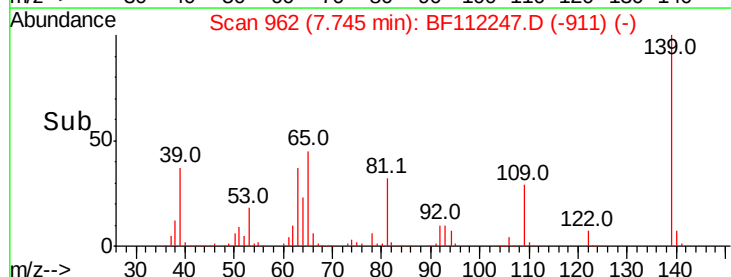
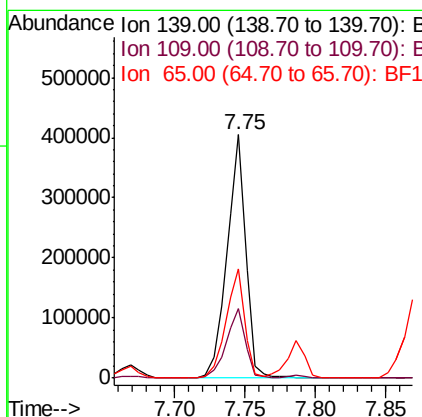
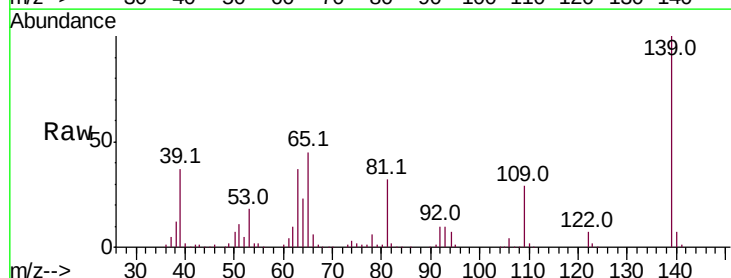
Tgt Ion: 139 Resp: 374144

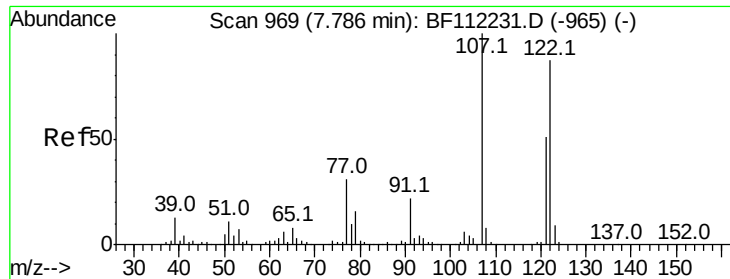
Ion Ratio Lower Upper

139 100

109 28.6 20.8 31.2

65 44.9 34.4 51.6





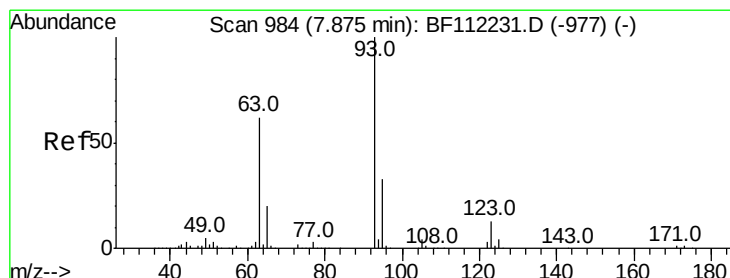
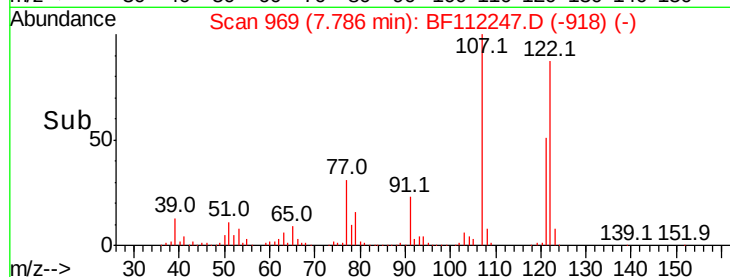
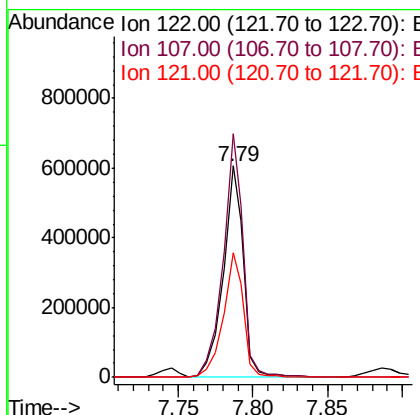
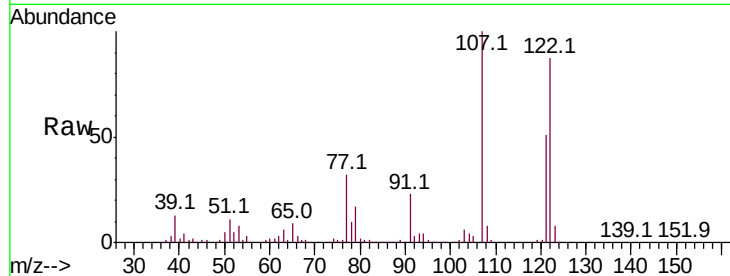
#27
2,4-Dimethylphenol
Concen: 60.211 ng
RT: 7.79 min Scan# 969
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampled :
S4MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	115.3	85.4	128.0
121	59.0	47.0	70.4

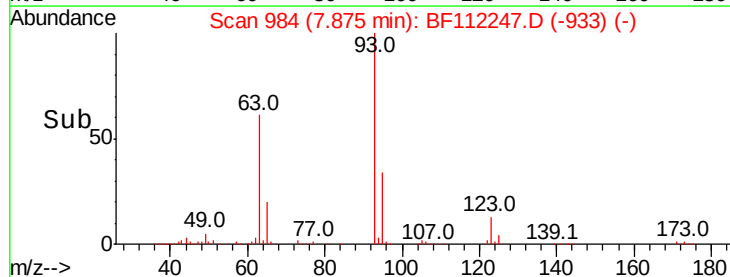
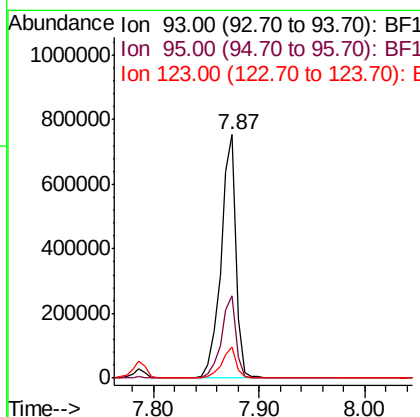
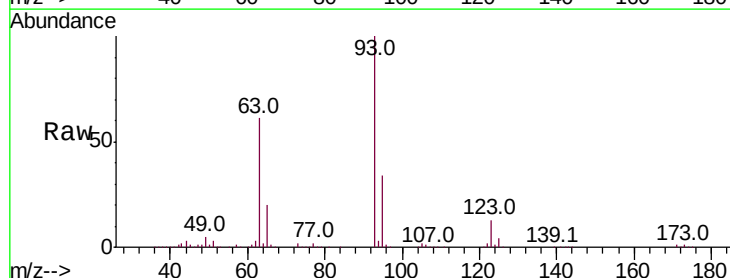
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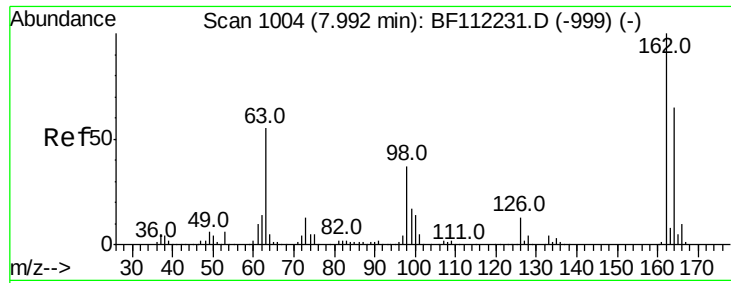
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#28
bis(2-Chloroethoxy)methane
Concen: 53.744 ng
RT: 7.87 min Scan# 984
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

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





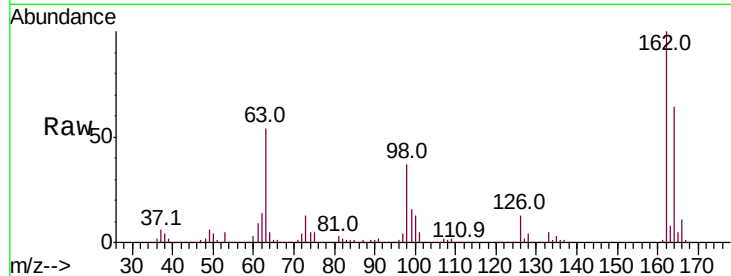
#29
2,4-Dichlorophenol
Concen: 53.130 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

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

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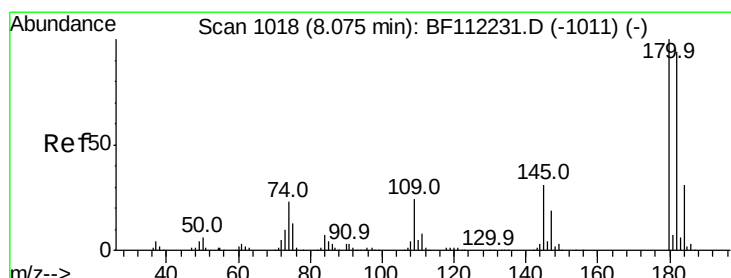
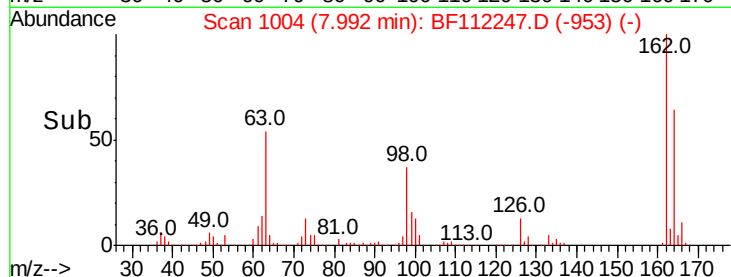
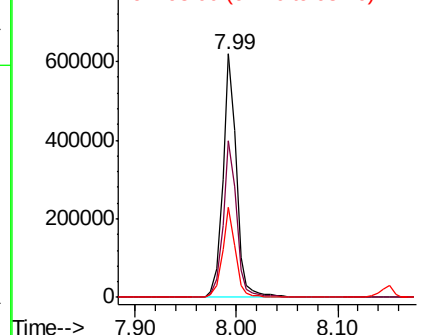


Abundance

Ion 162.00 (161.70 to 162.70): E

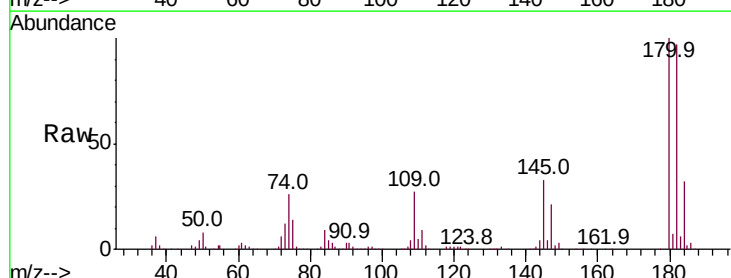
Ion 164.00 (163.70 to 164.70): E

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. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

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

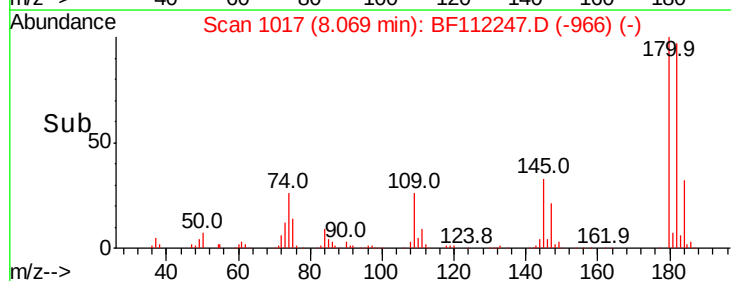
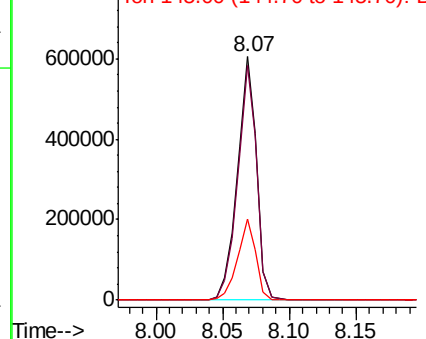


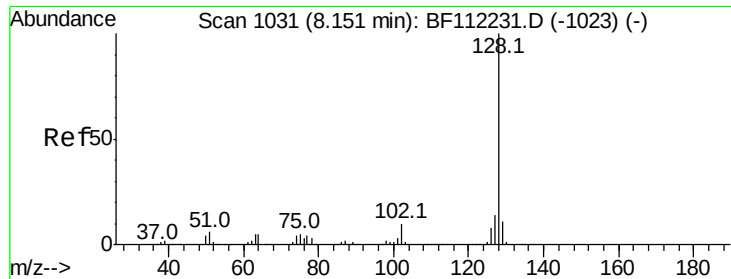
Abundance

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





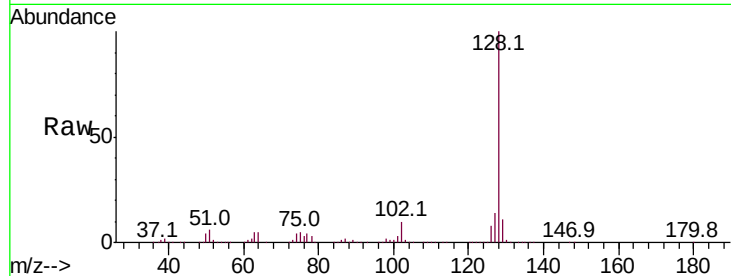
#31
Naphthalene
Concen: 52.958 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampled :
S4MSD

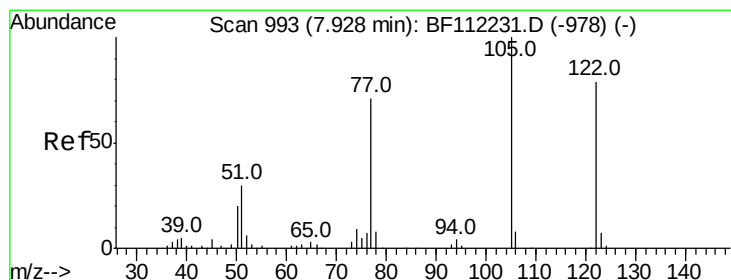
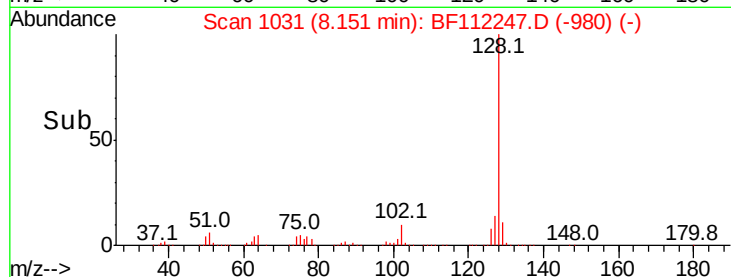
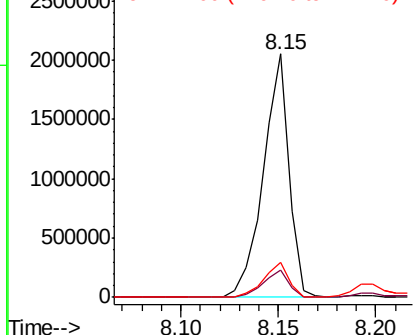
Tot Ion:128 Resp: 1871084
Ion Ratio Lower Upper
128 100
129 11.4 9.6 14.4
127 14.1 11.1 16.7

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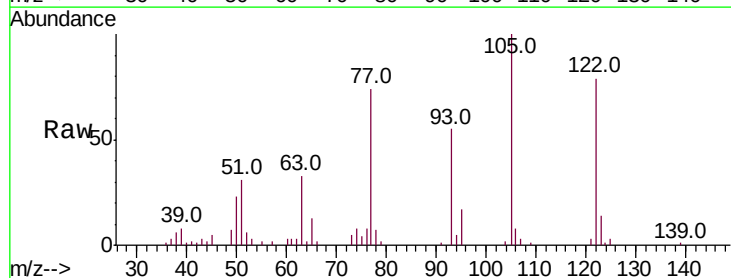


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

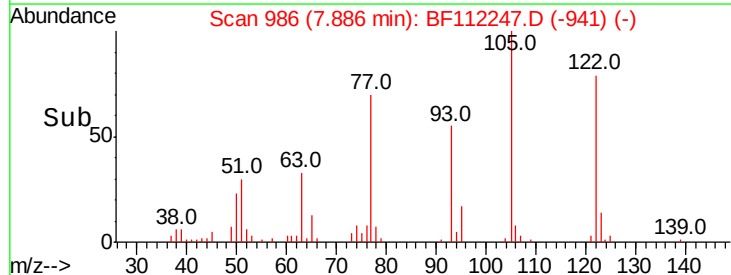
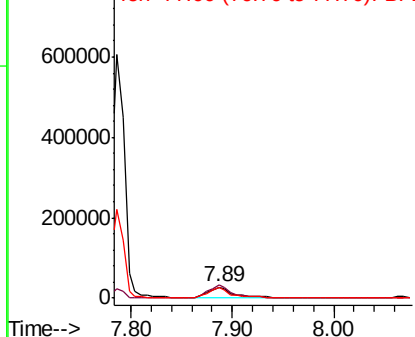


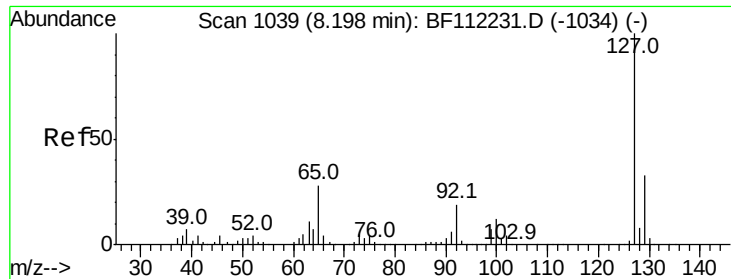
#32
Benzoic acid
Concen: 8.667 ng
RT: 7.89 min Scan# 986
Delta R.T. -0.04 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

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



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





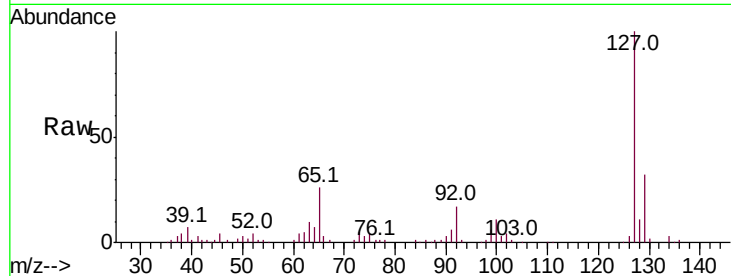
#33
4-Chloroaniline
Concen: 11.515 ng
RT: 8.20 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

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

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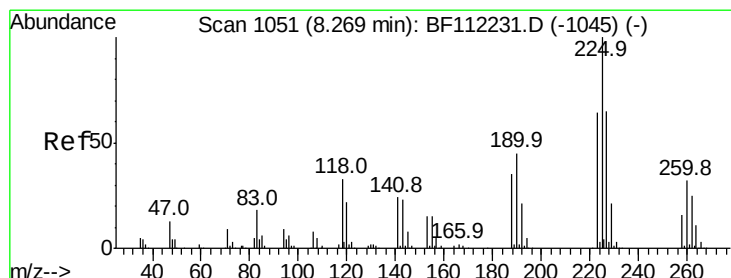
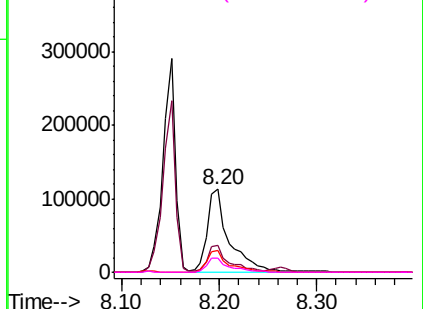
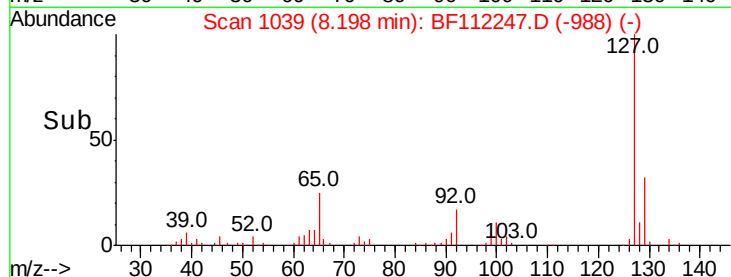
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

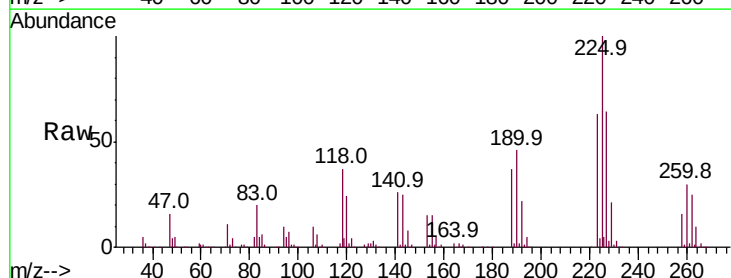
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



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

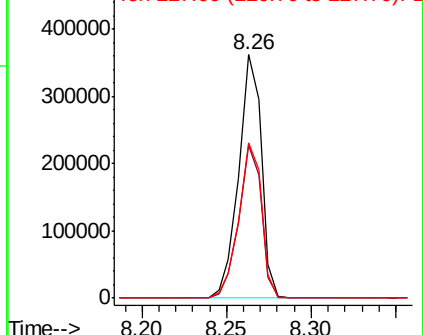
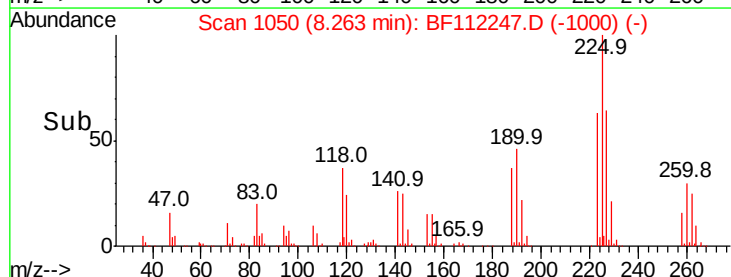


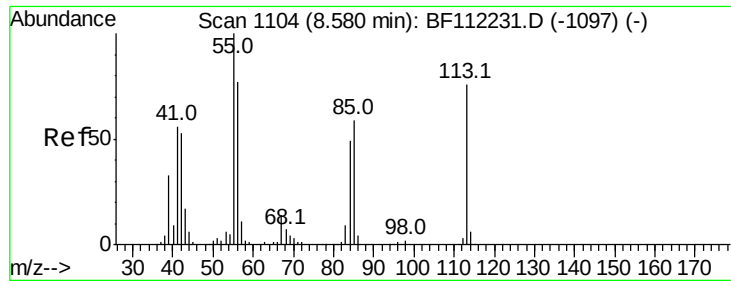
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





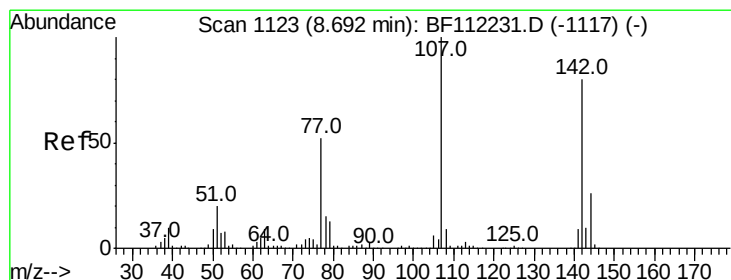
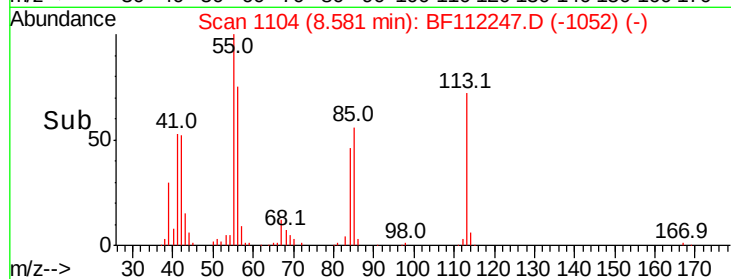
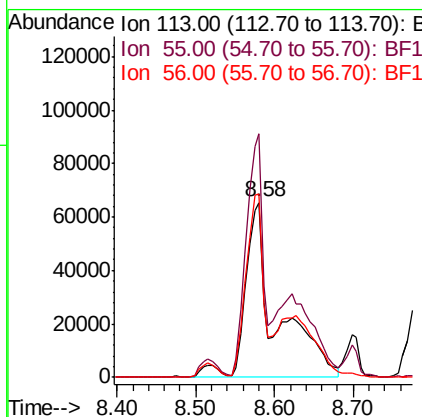
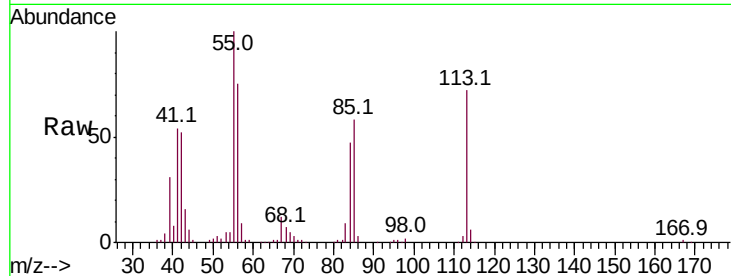
#35
 Caprolactam
 Concen: 47.072 ng/ml
 RT: 8.58 min Scan# 1104
 Delta R.T. 0.01 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Instrument :
 BNA_F
 ClientSampleId :
 S4MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	139.0	121.6	161.6
56	104.6	86.7	126.7

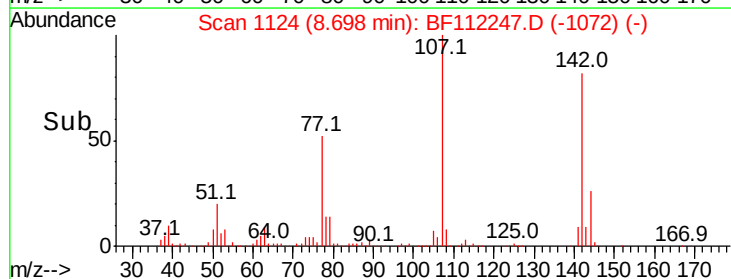
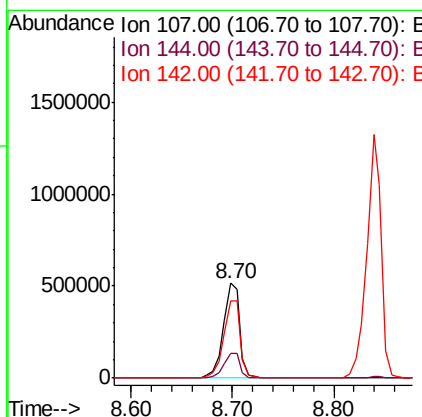
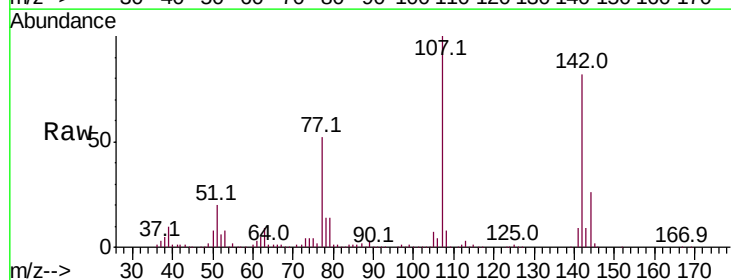
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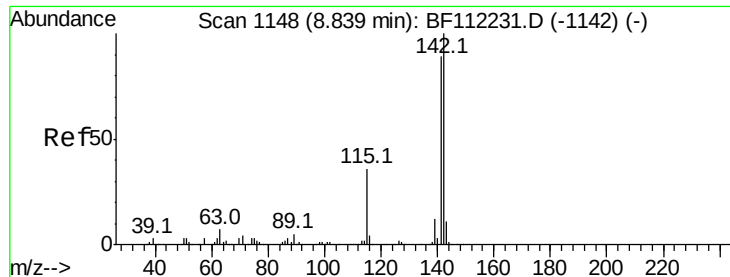
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#36
 4-Chloro-3-methylphenol
 Concen: 50.979 ng/ml
 RT: 8.70 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

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





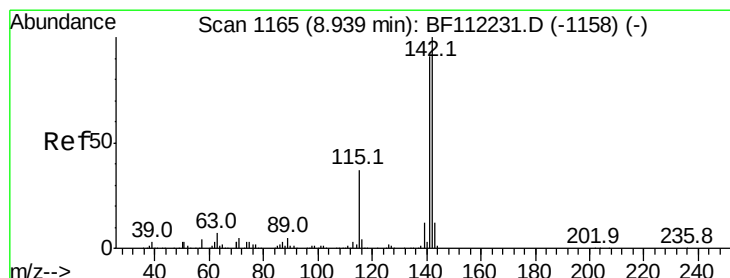
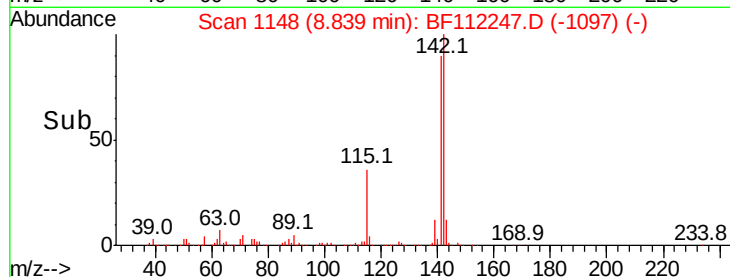
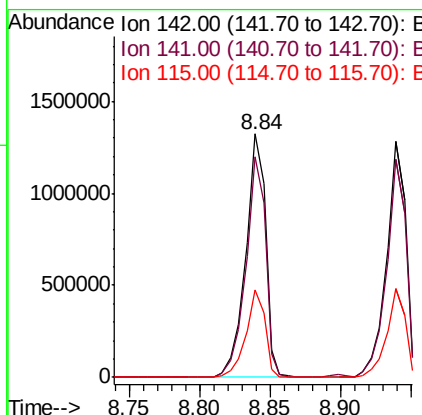
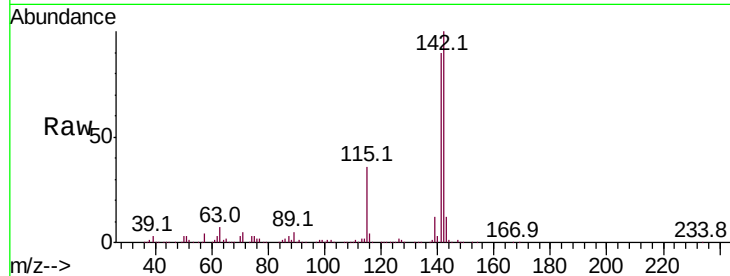
#37
2-Methylnaphthalene
Concen: 54.125 ng
RT: 8.84 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.4	70.9	106.3
115	36.0	24.9	37.3

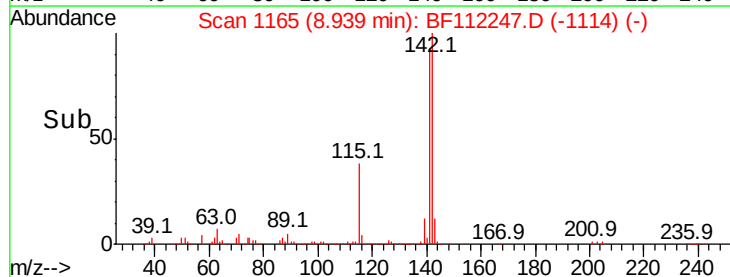
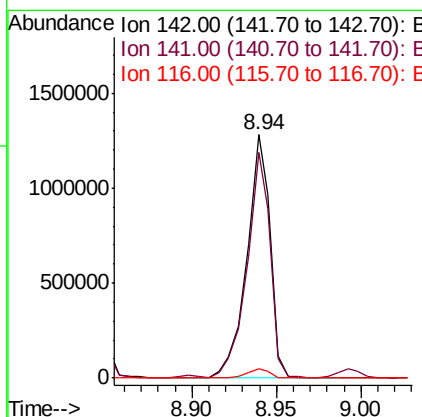
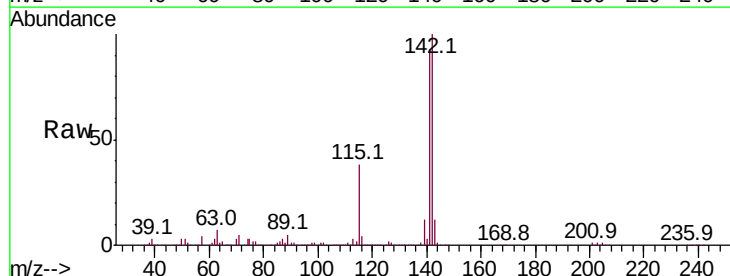
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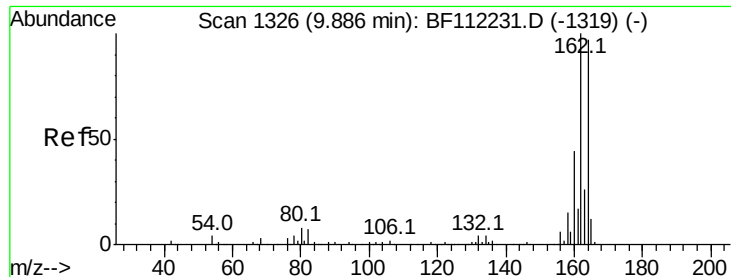
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#38
1-Methylnaphthalene
Concen: 53.074 ng
RT: 8.94 min Scan# 1165
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.6	72.6	108.8
116	4.0	2.8	4.2





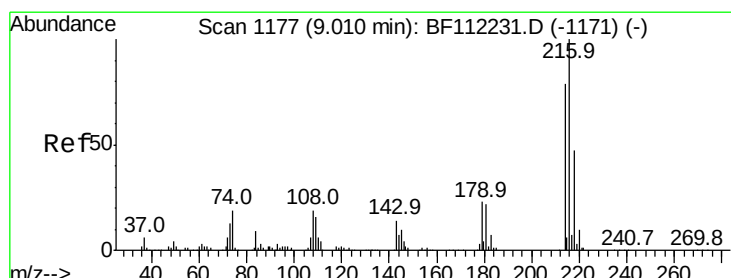
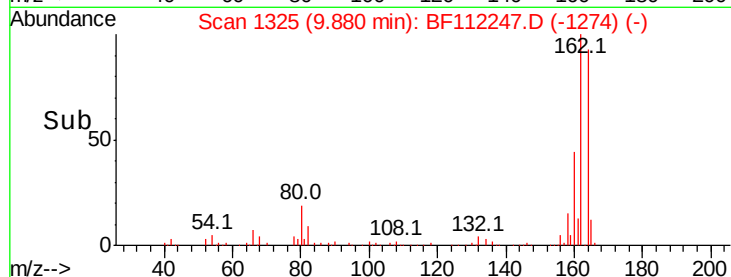
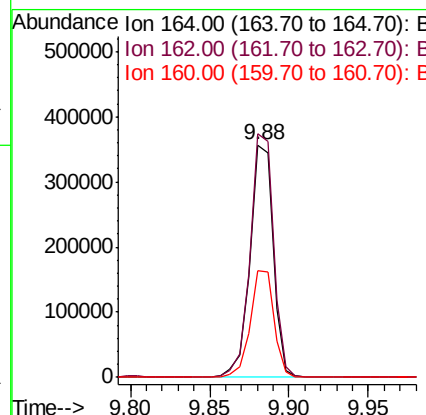
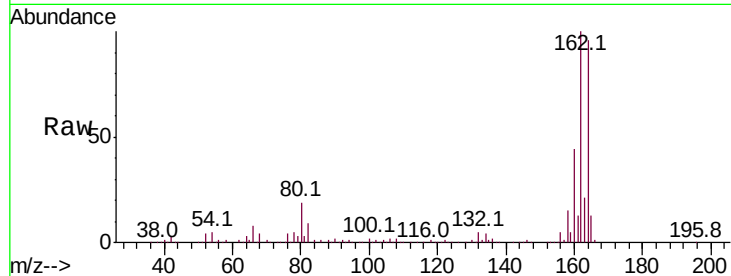
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Instrument :
 BNA_F
 ClientSampleId :
 S4MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.7	82.2	123.4	
160	45.9	36.2	54.4	

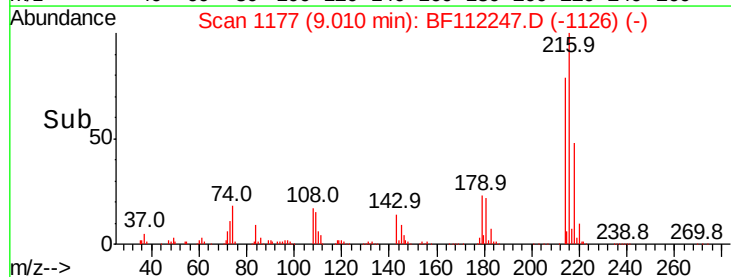
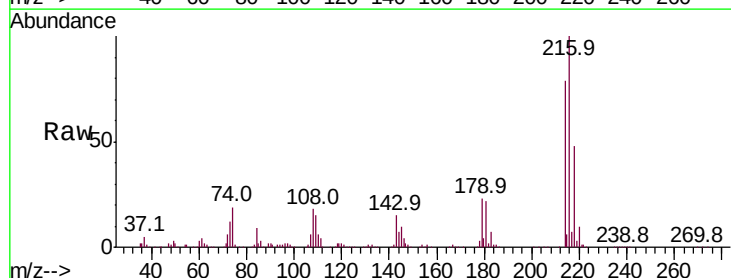
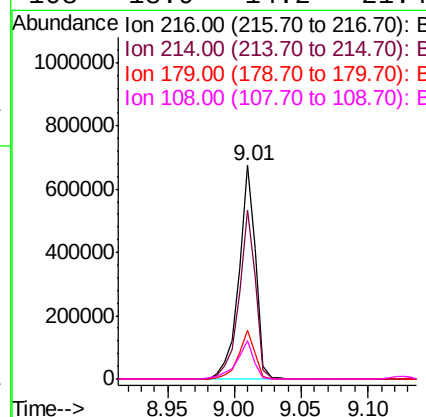
Manual Integrations
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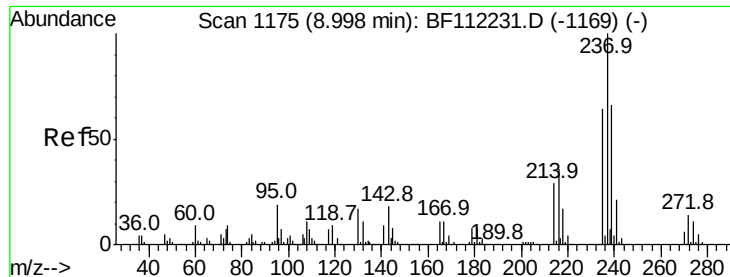
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#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 50.087 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Tgt Ion	Ratio	Resp	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	





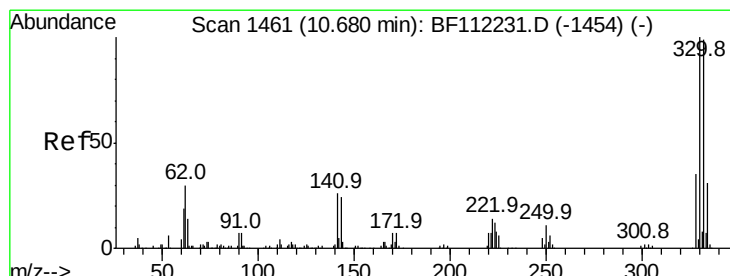
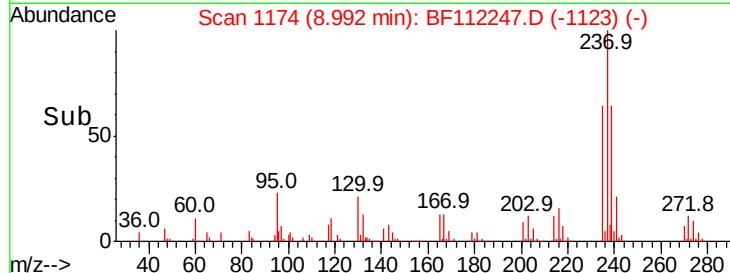
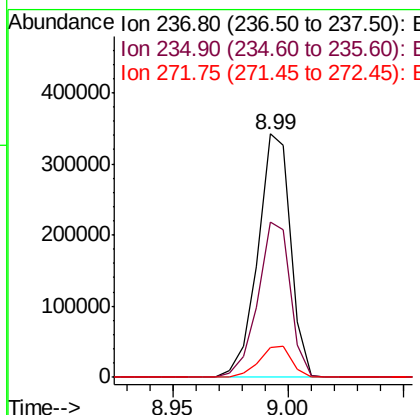
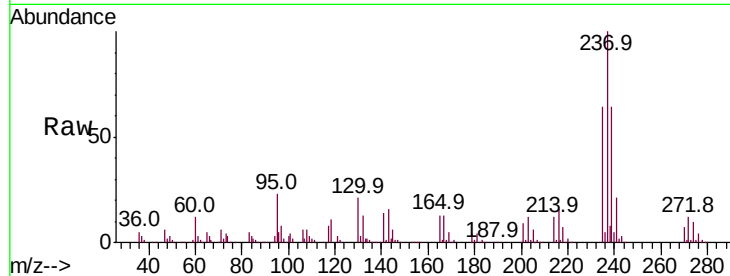
#41
Hexachlorocyclopentadiene
Concen: 75.786 ng
RT: 8.99 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampled :
S4MSD

Tot Ion	Ratio	Resp	Lower	Upper
237	100			
235	63.7	44.0	84.0	
272	12.4	0.0	33.3	

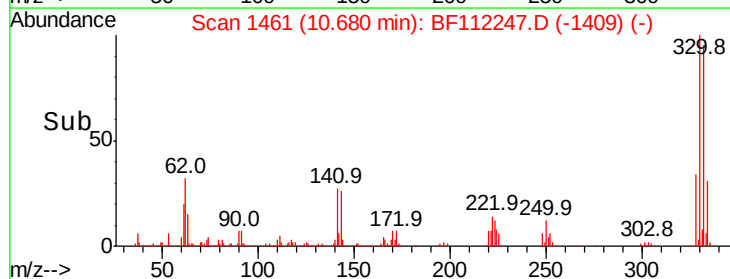
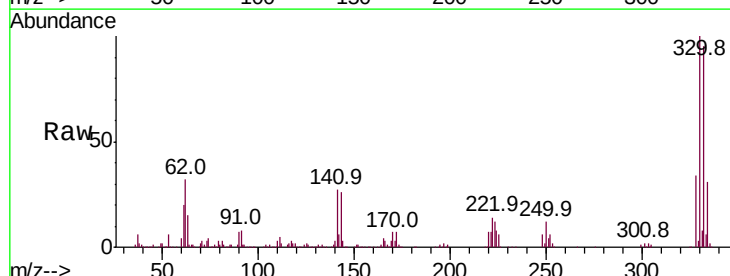
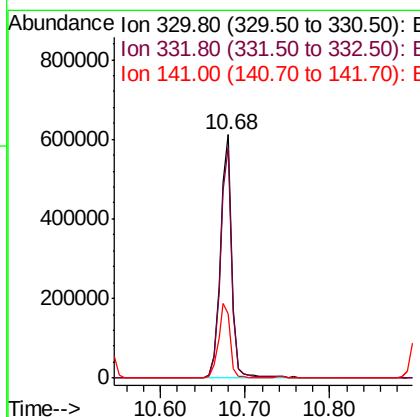
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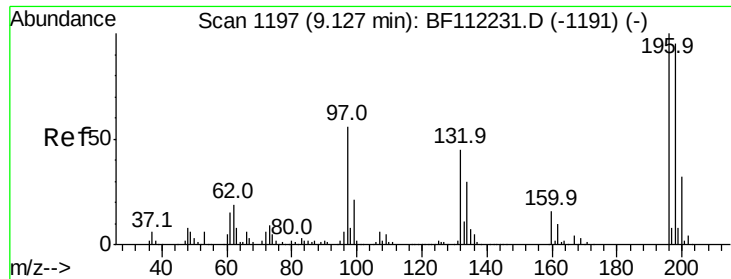
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#42
2,4,6-Tribromophenol
Concen: 139.443 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

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





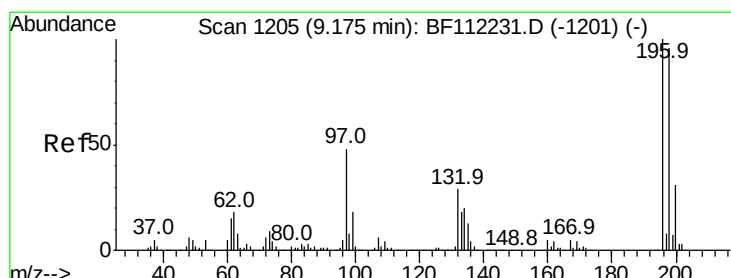
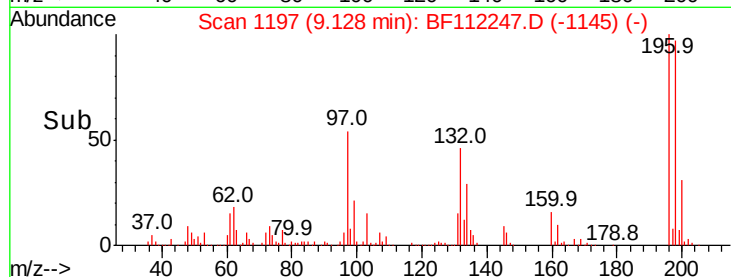
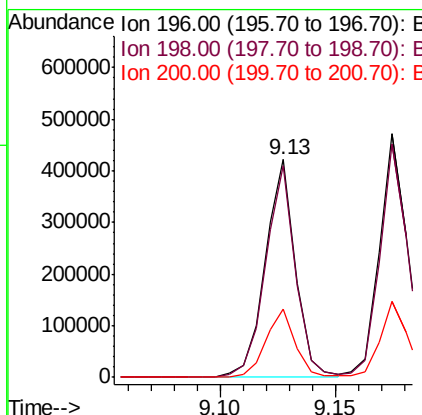
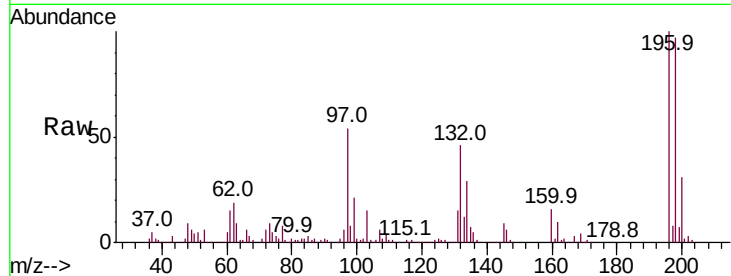
#43
 2,4,6-Trichlorophenol
 Concen: 52.464 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Instrument :
 BNA_F
 ClientSampled :
 S4MSD

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

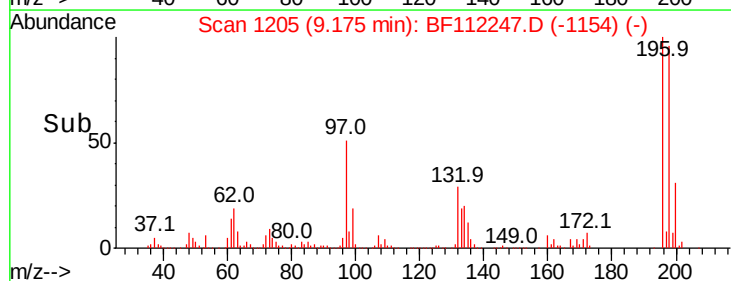
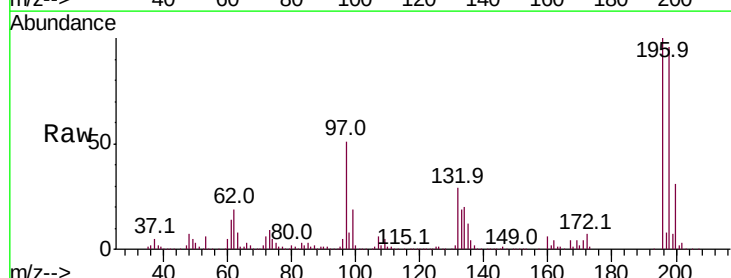
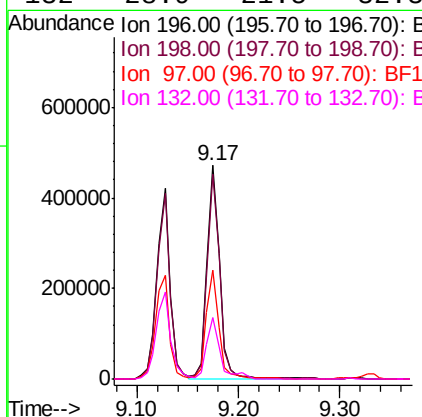
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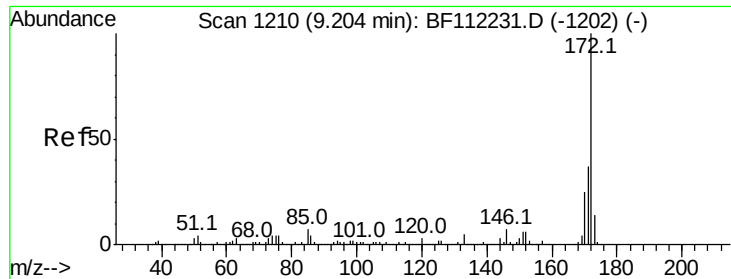
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#44
 2,4,5-Trichlorophenol
 Concen: 53.186 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

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





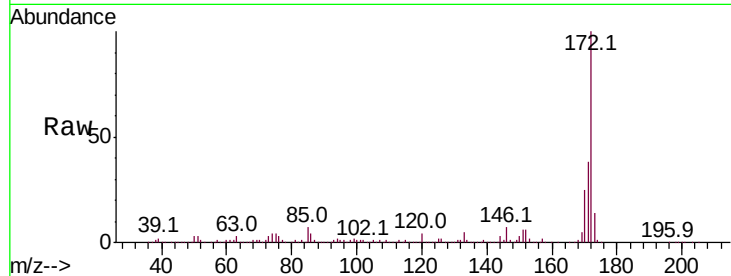
#45
2-Fluorobiphenyl
Concen: 84.297 ng
RT: 9.20 min Scan# 1210
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampled :
S4MSD

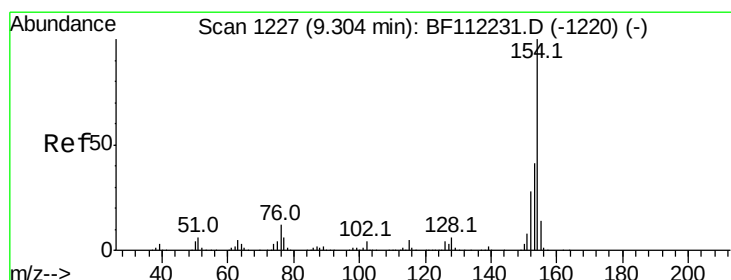
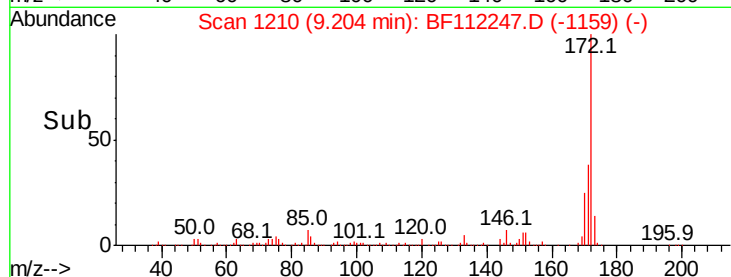
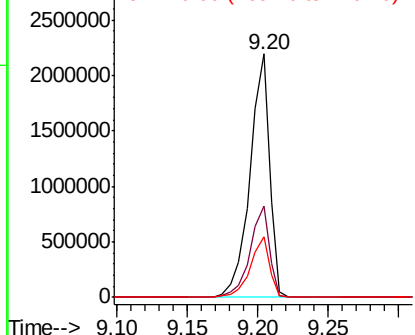
Tot Ion:172 Resp: 2154267
Ion Ratio Lower Upper
172 100
171 37.7 30.5 45.7
170 24.7 20.2 30.4

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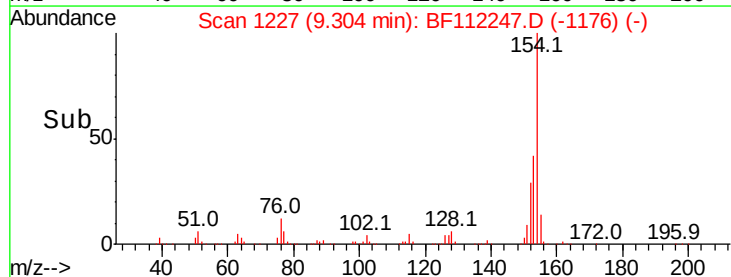
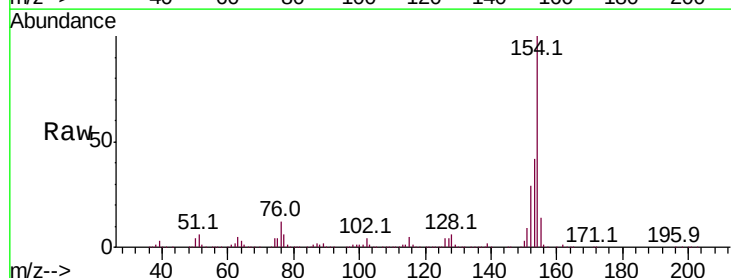
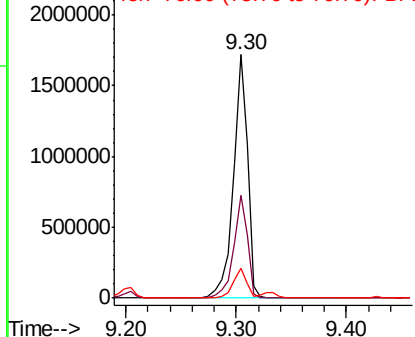
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

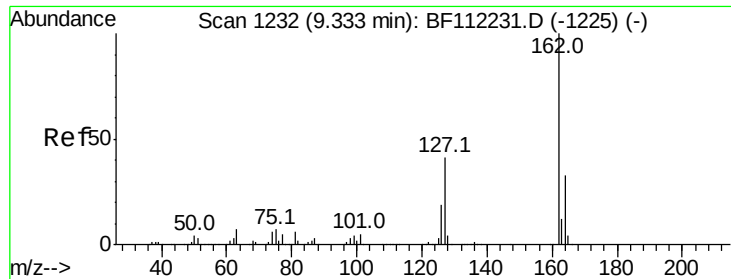


#46
1,1'-Biphenyl
Concen: 48.838 ng
RT: 9.30 min Scan# 1227
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

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





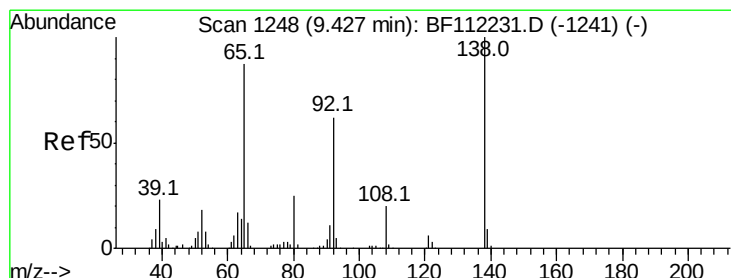
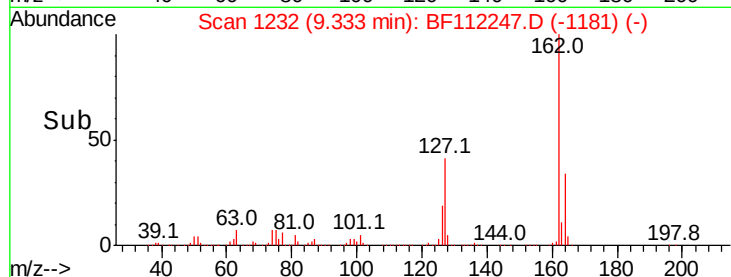
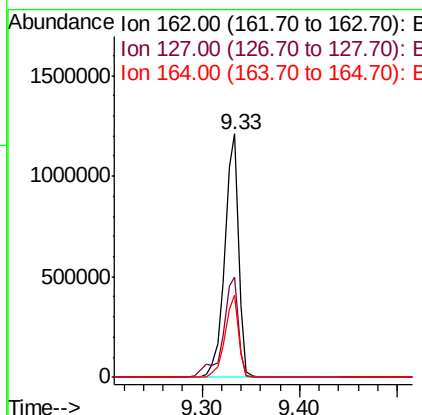
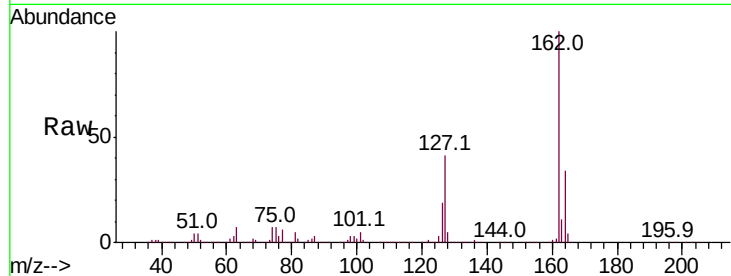
#47
 2-Chloronaphthalene
 Concen: 48.741 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Instrument :
 BNA_F
 ClientSampleId :
 S4MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.1	30.4	45.6
164	34.0	27.4	41.2

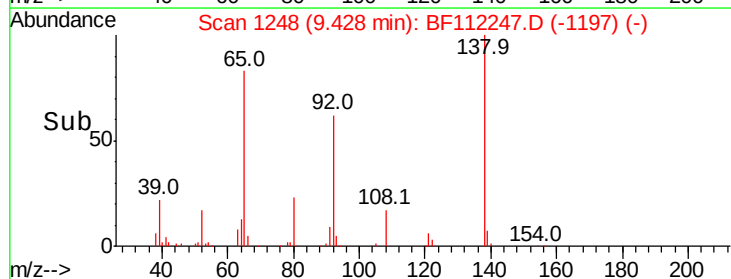
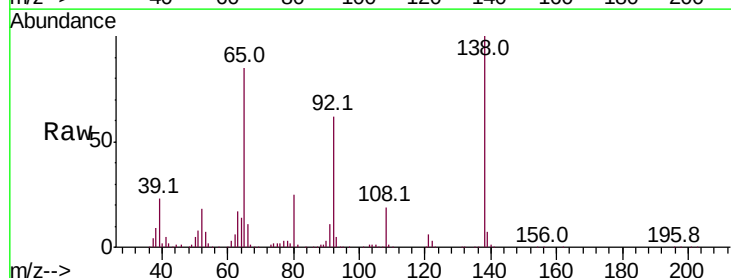
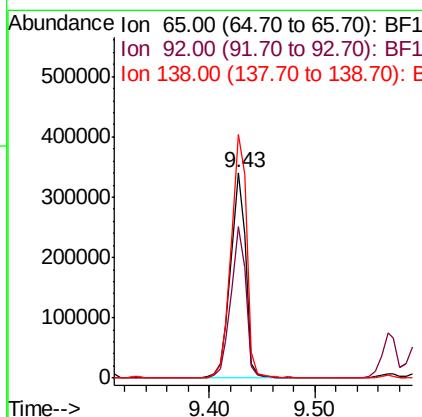
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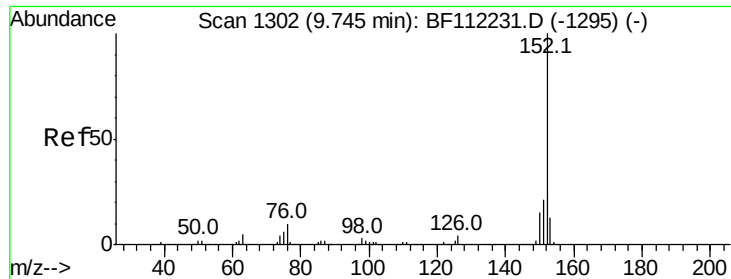
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#48
 2-Nitroaniline
 Concen: 50.716 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Tgt 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. 0.00 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampled :

S4MSD

Tot Ion:152 Resp: 1878114

Ion Ratio Lower Upper

152 100

151 21.4 17.0 25.6

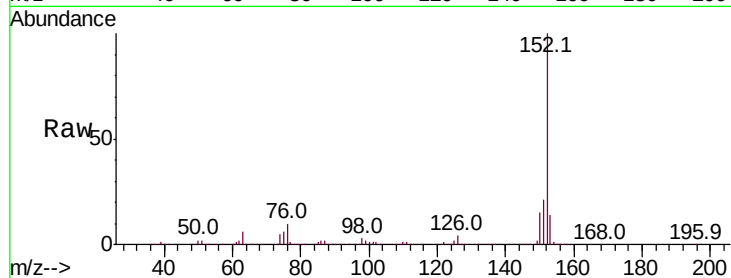
153 13.8 11.2 16.8

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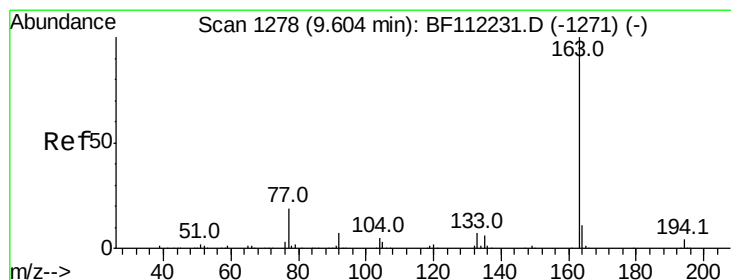
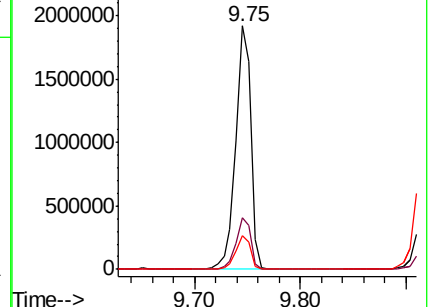
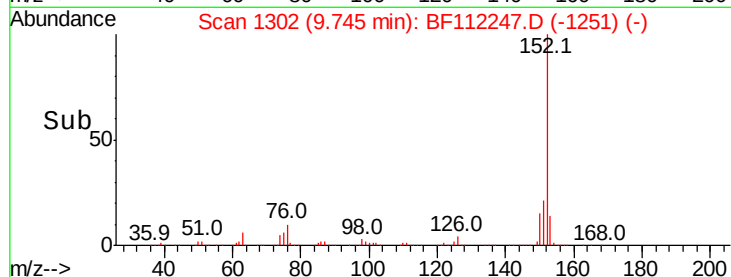
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Abundance Ion 152.00 (151.70 to 152.70): E

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. 0.00 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

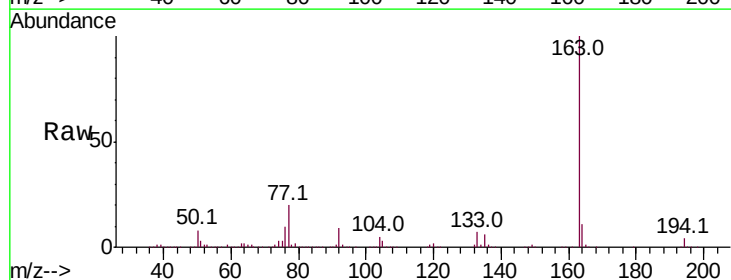
Tgt Ion:163 Resp: 1661383

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

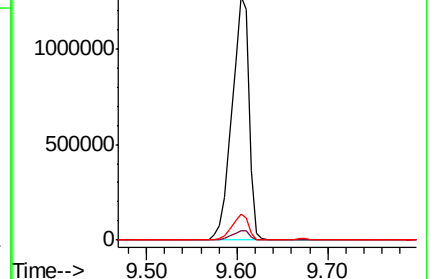
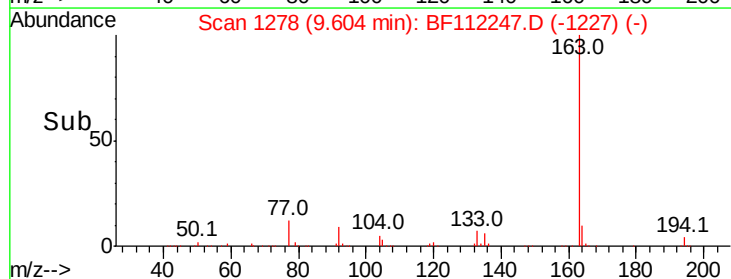
164 10.5 8.5 12.7

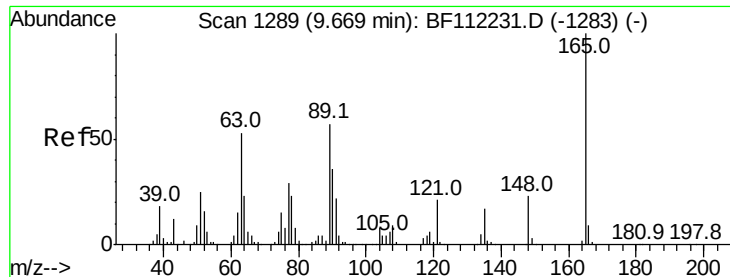


Abundance Ion 163.00 (162.70 to 163.70): E

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. 0.00 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

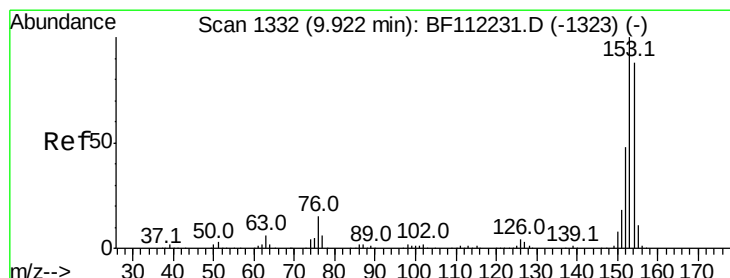
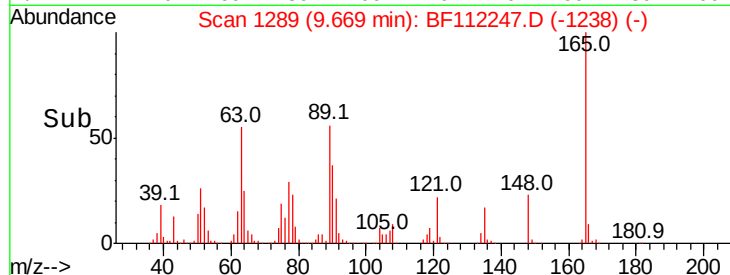
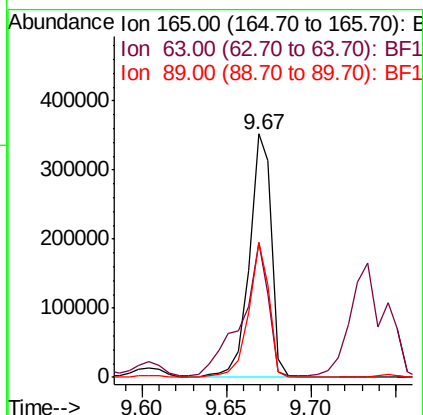
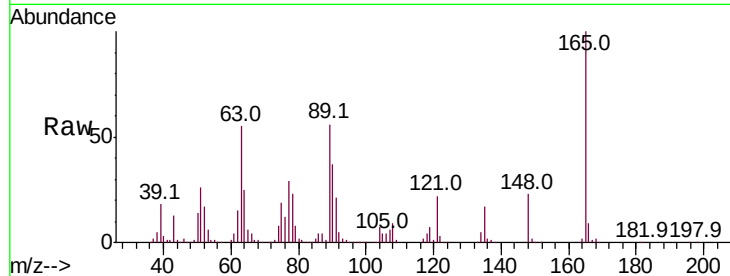
ClientSampled :

S4MSD

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

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#52

Acenaphthene

Concen: 50.752 ng

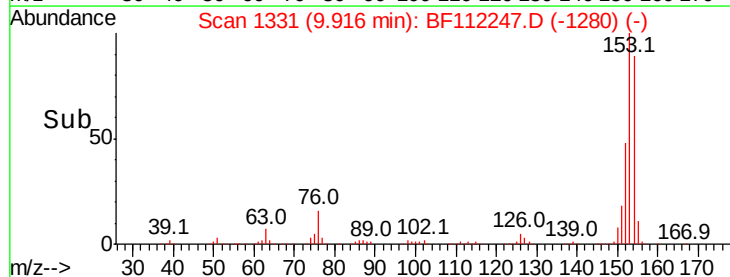
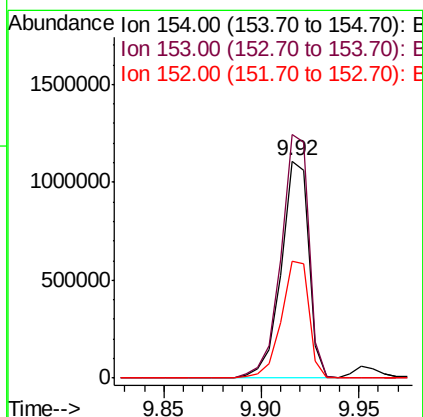
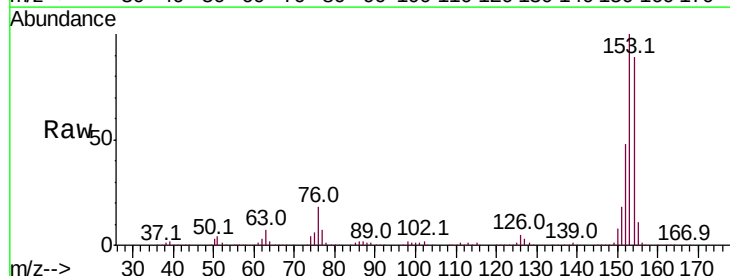
RT: 9.92 min Scan# 1331

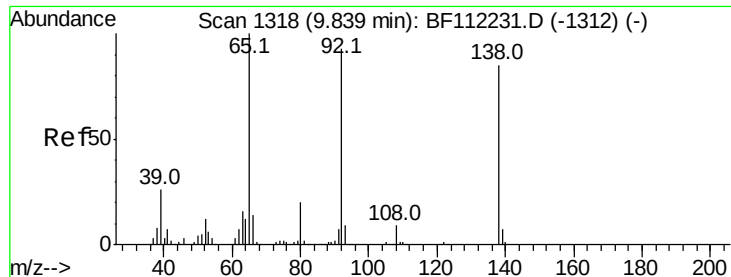
Delta R.T. 0.00 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

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





#53

3-Nitroaniline

Concen: 28.251 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

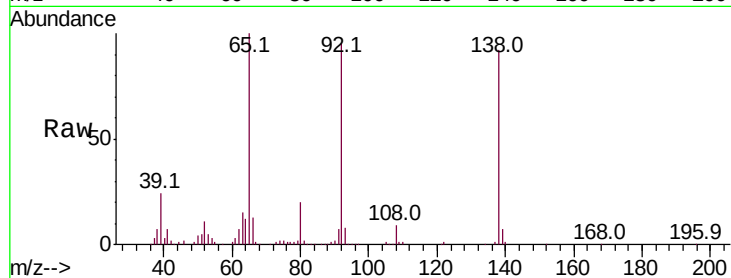
ClientSampleId :

S4MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.1	9.8	14.6
92	103.3	79.4	119.2

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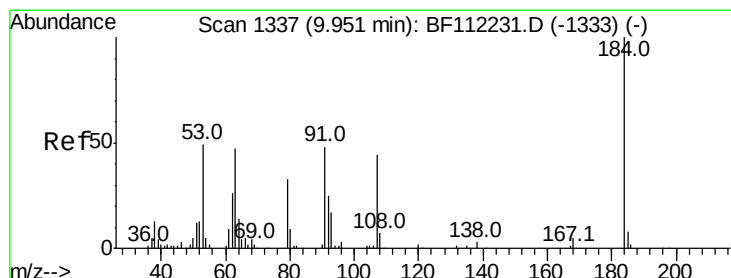
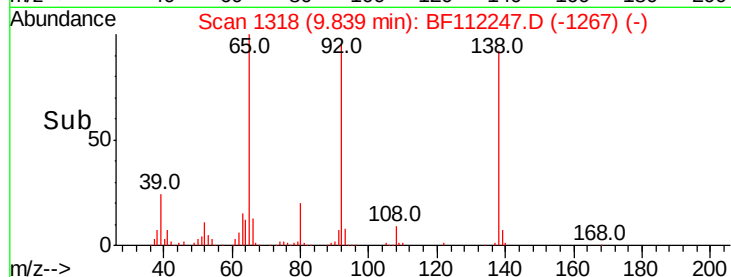
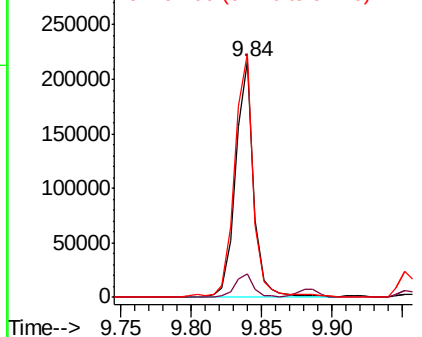


Abundance

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. 0.00 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

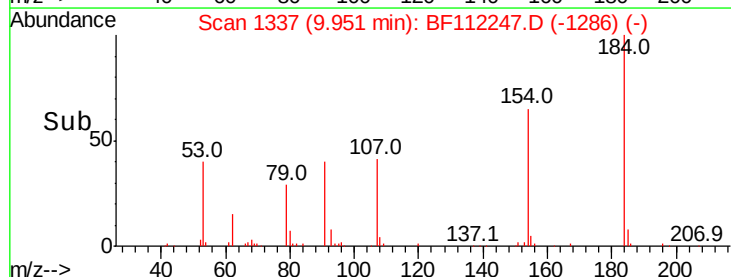
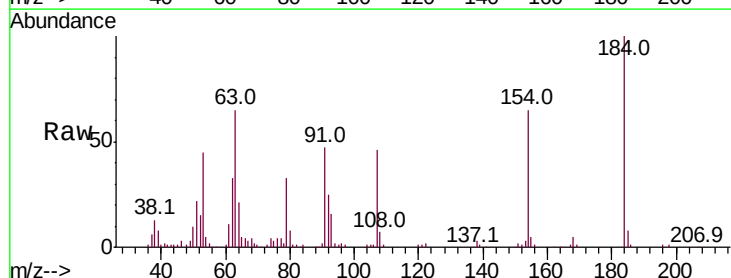
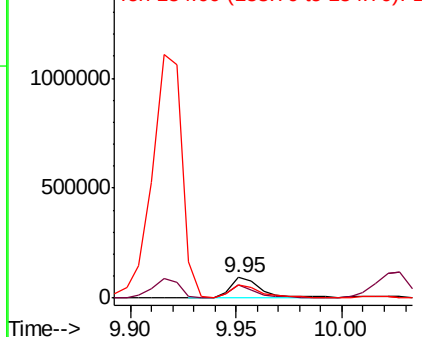
Tgt Ion	Ratio	Lower	Upper
184	100		
63	64.8	47.1	70.7
154	65.3	48.9	73.3

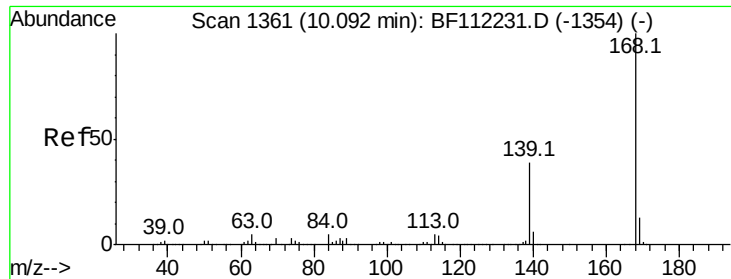
Abundance

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. 0.00 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

Tot Ion:168 Resp: 1604535

Ion Ratio Lower Upper

168 100

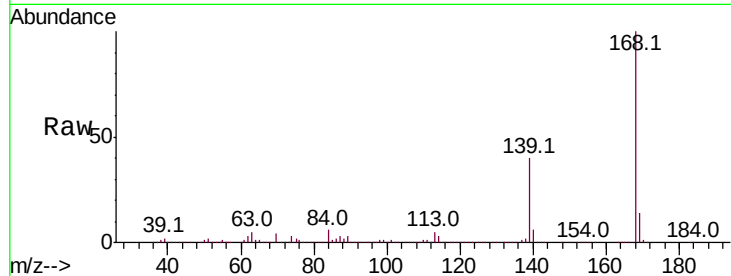
139 40.5 29.2 43.8

169 13.7 11.4 17.0

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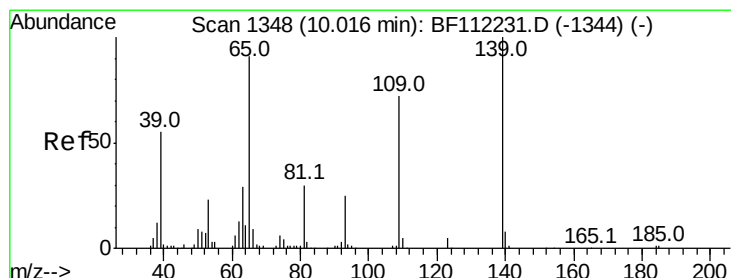
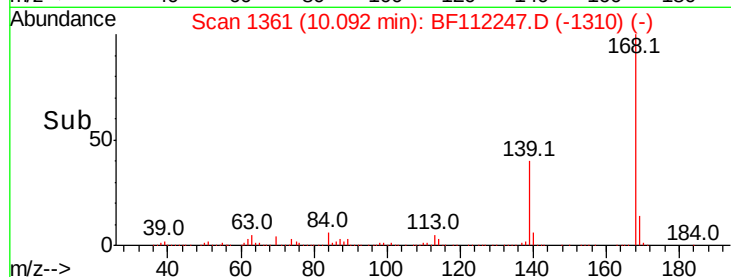
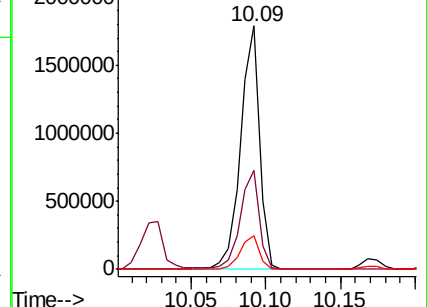
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Abundance Ion 168.00 (167.70 to 168.70): E

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. 0.01 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

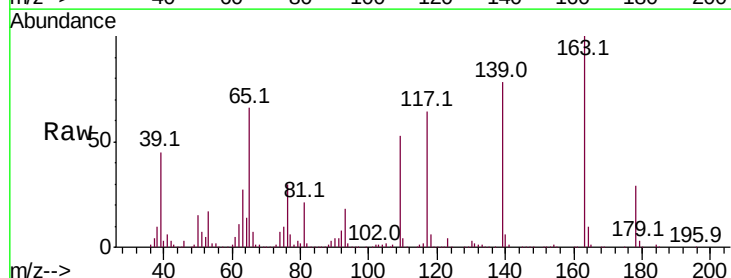
Tgt Ion:139 Resp: 375308

Ion Ratio Lower Upper

139 100

109 67.6 42.8 82.8

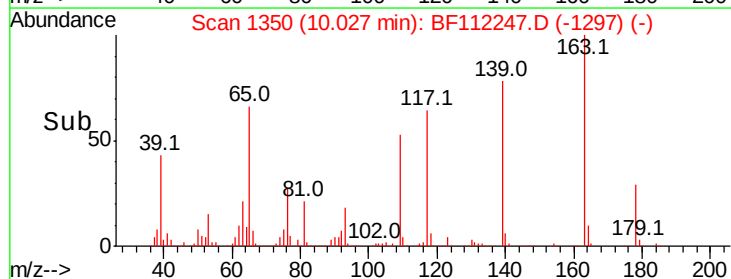
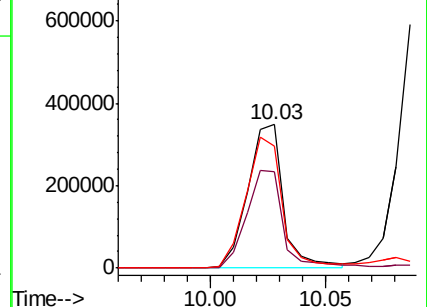
65 84.9 66.1 106.1

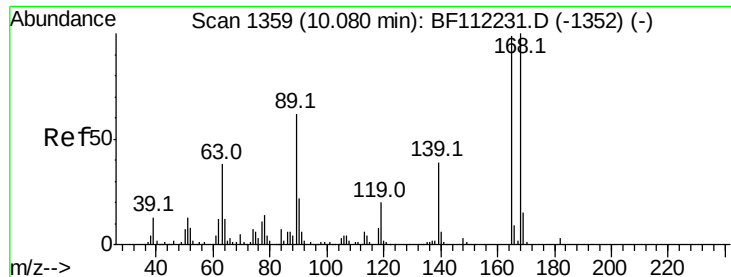


Abundance Ion 139.00 (138.70 to 139.70): E

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

Tot Ion:165 Resp: 406166
Ion Ratio Lower Upper

165 100

63 44.2 27.9 41.9#

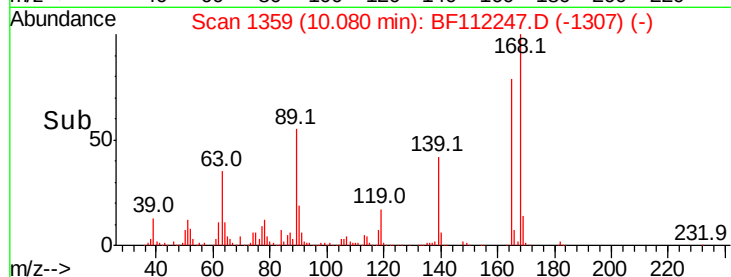
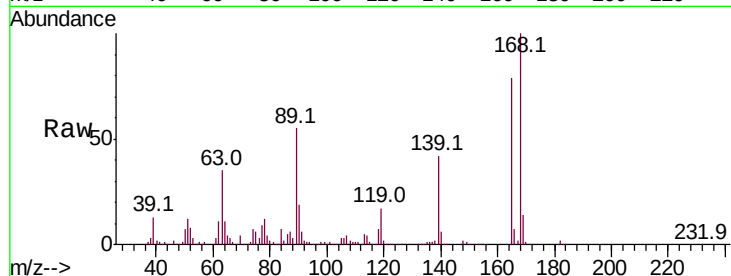
89 69.0 47.9 71.9

182 2.7 2.2 3.4

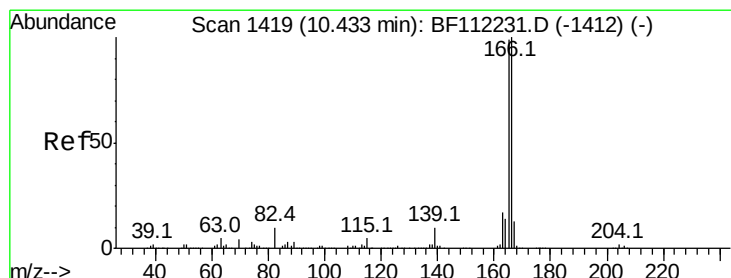
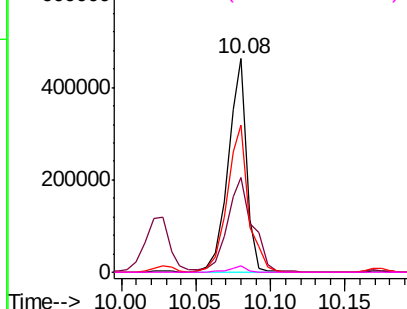
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Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 51.809 ng

RT: 10.43 min Scan# 1419

Delta R.T. 0.00 min

Lab File: BF112247.D

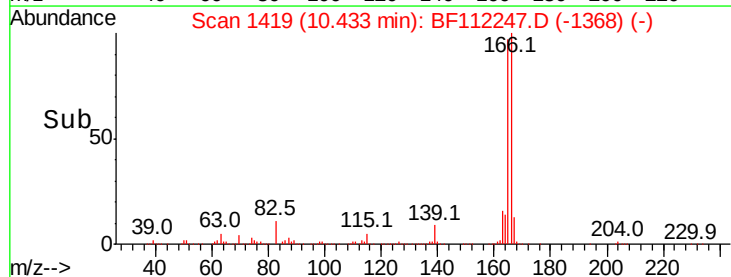
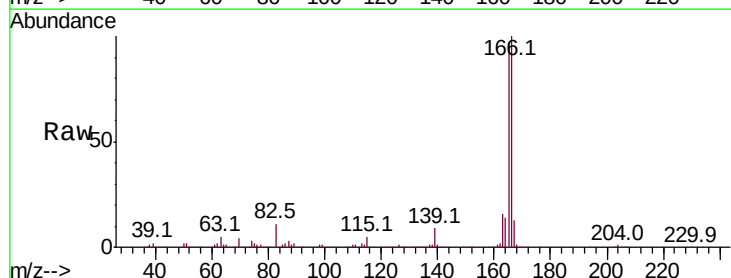
Acq: 25 Jan 2019 22:18

Tgt Ion:166 Resp: 1271124
Ion Ratio Lower Upper

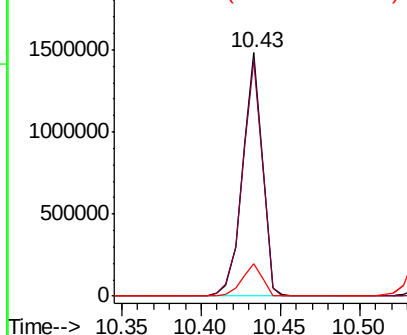
166 100

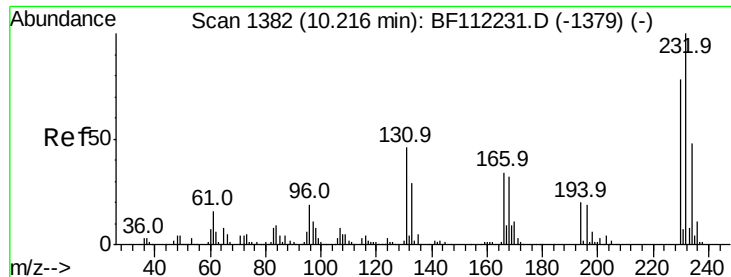
165 96.8 77.1 115.7

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: 55.909 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.00 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampled :

S4MSD

Tot Ion:232 Resp: 323024
Ion Ratio Lower Upper

232 100

131 45.6 33.9 50.9

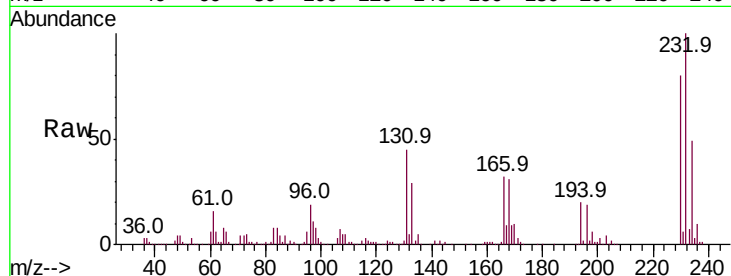
130 2.4 1.8 2.6

166 31.7 23.6 35.4

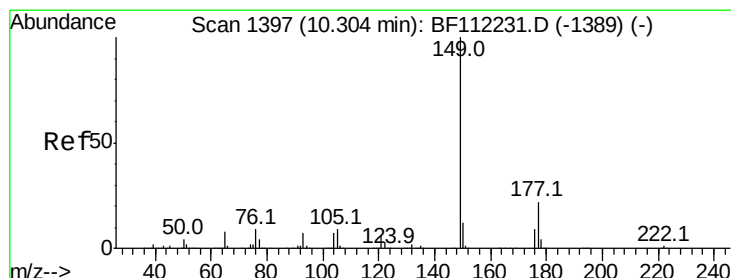
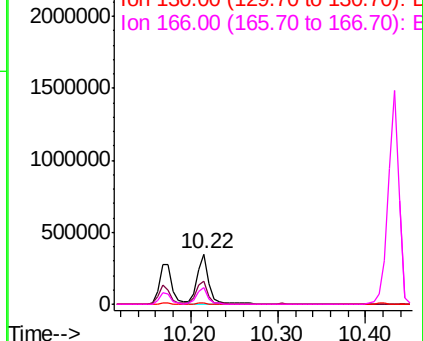
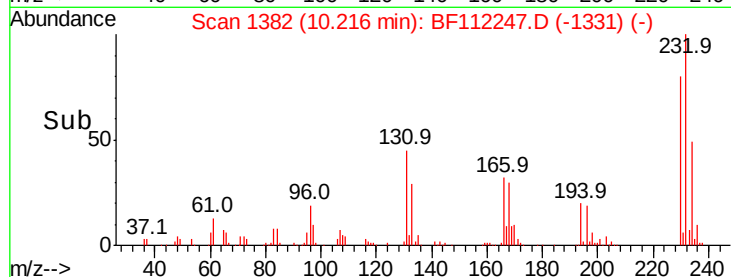
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Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 49.064 ng

RT: 10.30 min Scan# 1397

Delta R.T. 0.01 min

Lab File: BF112247.D

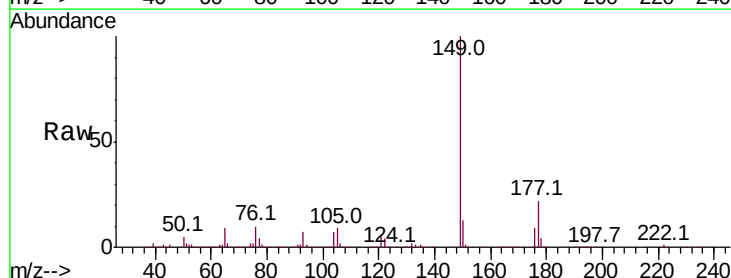
Acq: 25 Jan 2019 22:18

Tgt Ion:149 Resp: 1367341
Ion Ratio Lower Upper

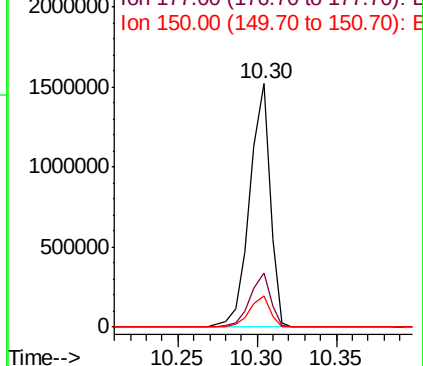
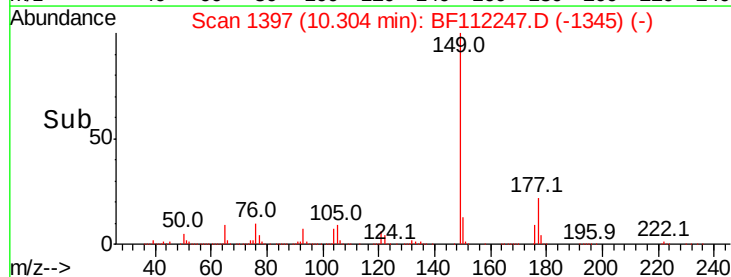
149 100

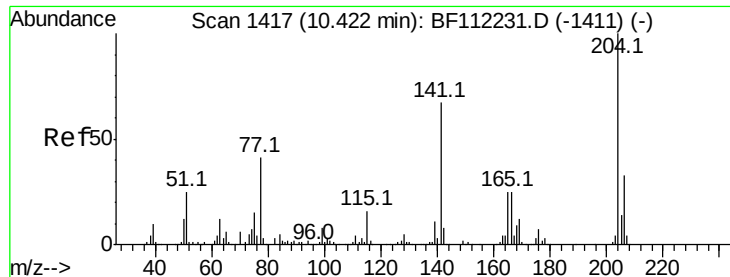
177 22.5 18.2 27.2

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





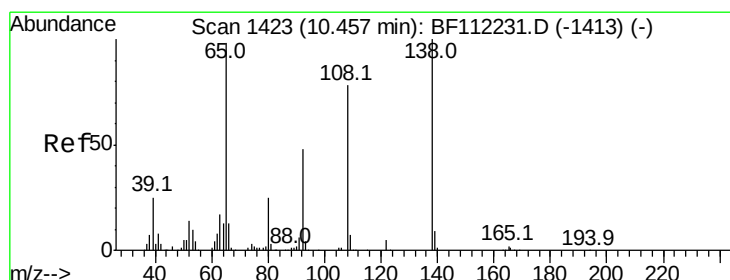
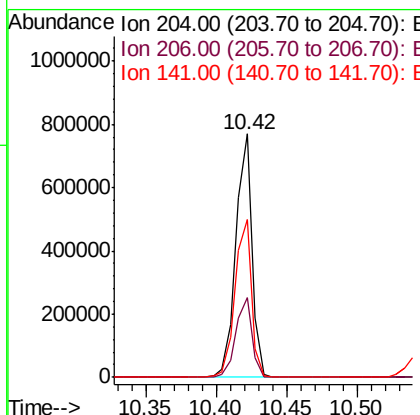
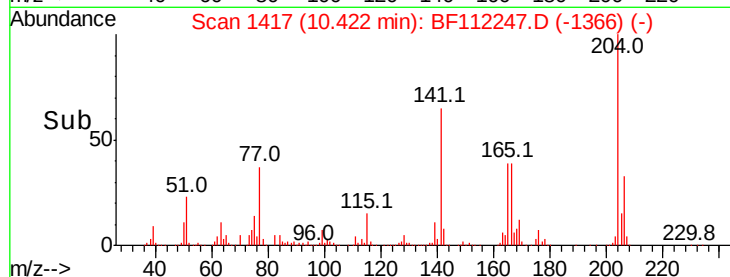
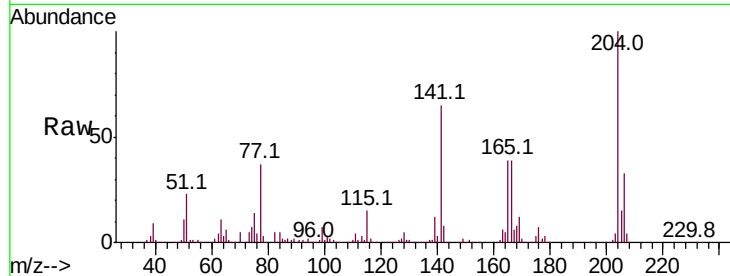
#61
4-Chlorophenyl-phenylether
Concen: 46.184 ng
RT: 10.42 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampled :
S4MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.5	39.7
141	65.0	45.9	68.9

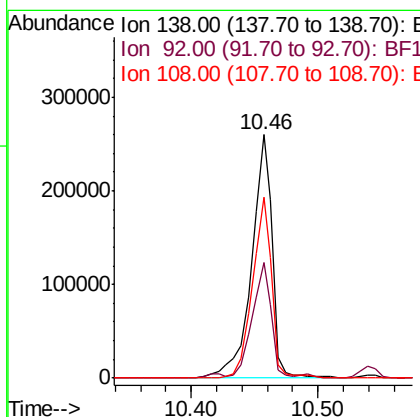
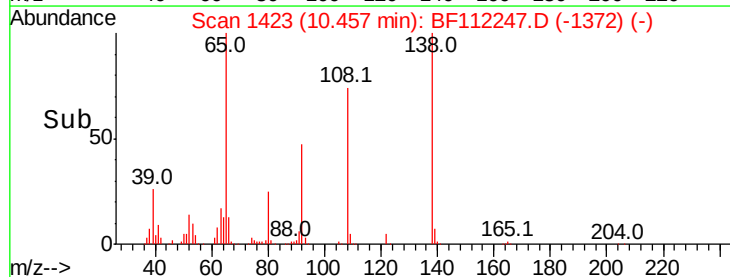
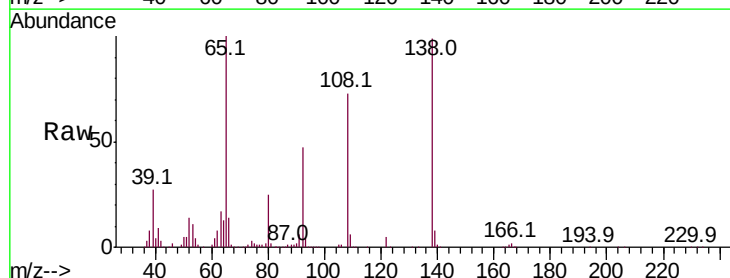
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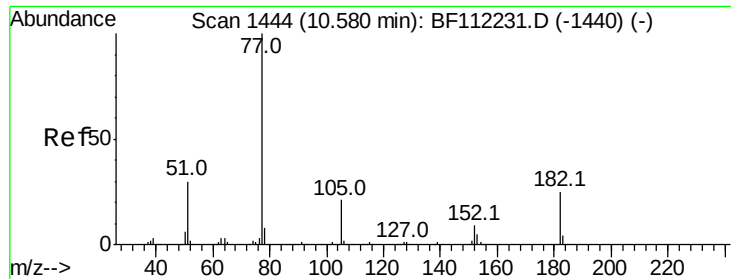
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#62
4-Nitroaniline
Concen: 44.364 ng
RT: 10.46 min Scan# 1423
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

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





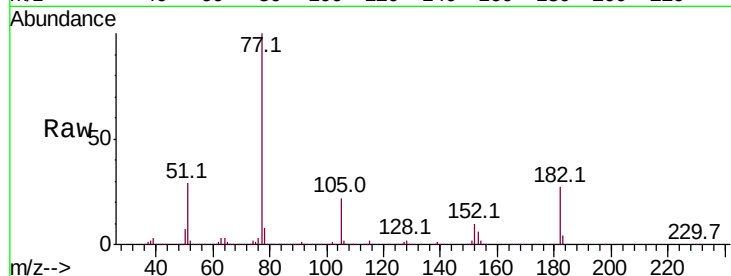
#63
Azobenzene
Concen: 48.747 ng
RT: 10.58 min Scan# 1444
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

Tot 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

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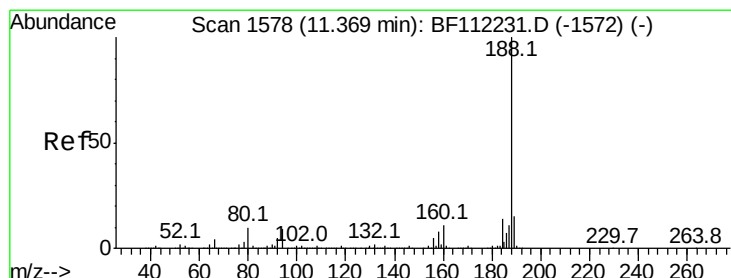
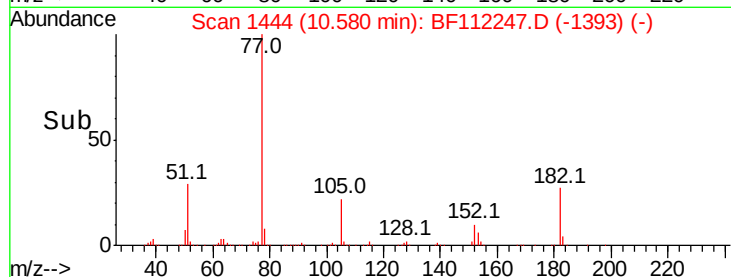
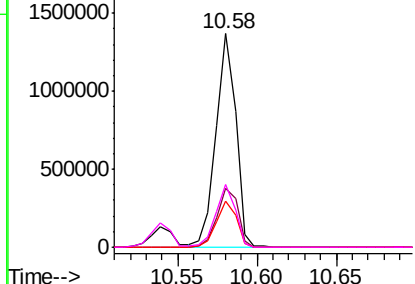
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

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. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

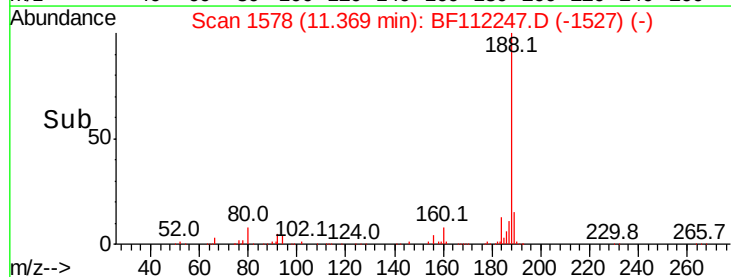
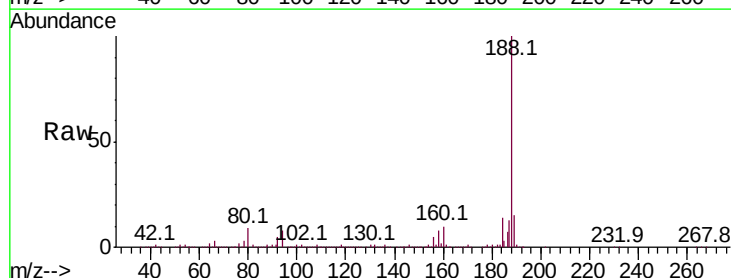
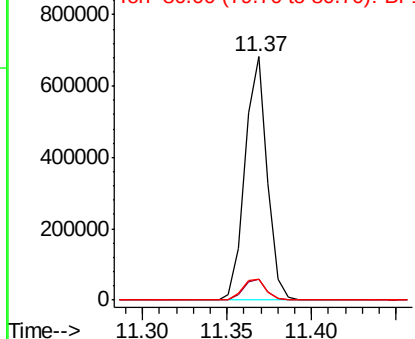
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.2	12.2
80	8.8	8.9	13.3#

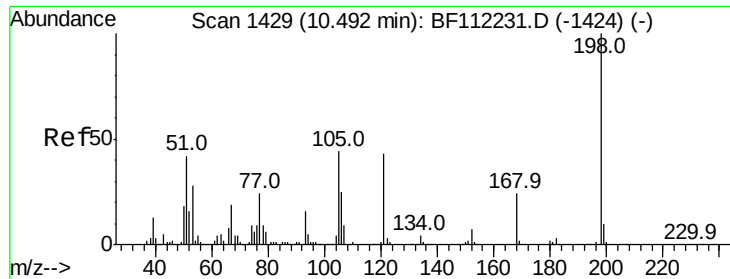
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





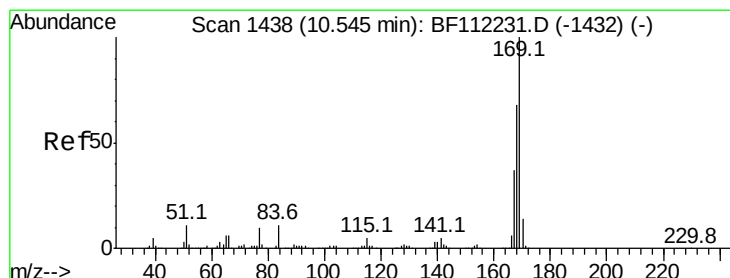
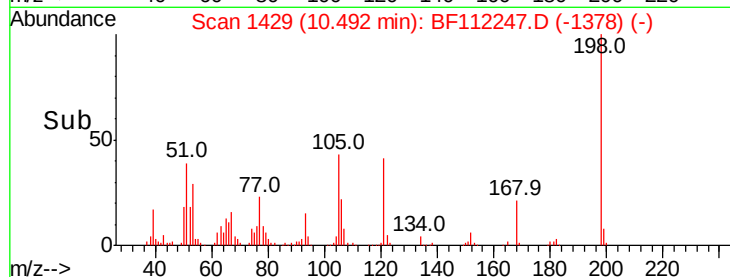
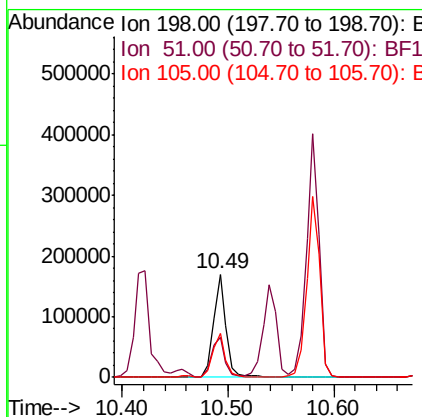
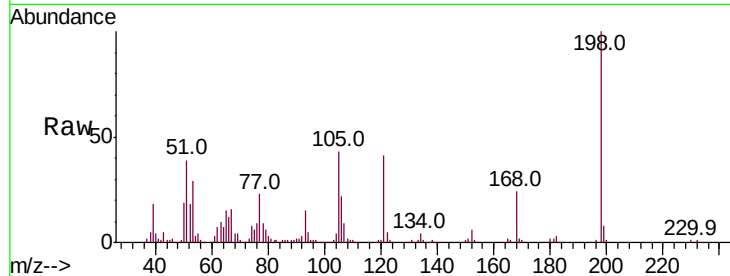
#65
4,6-Dinitro-2-methylphenol
Concen: 41.193 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampled :
S4MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	39.0	17.2	57.2
105	42.7	21.9	61.9

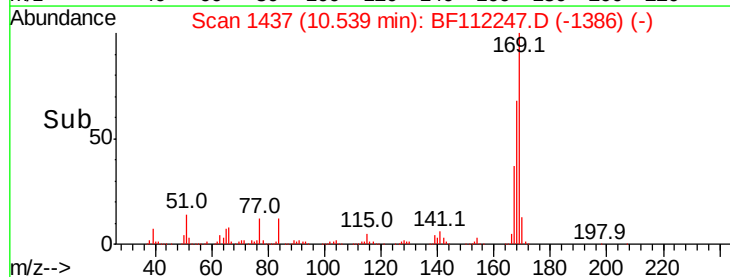
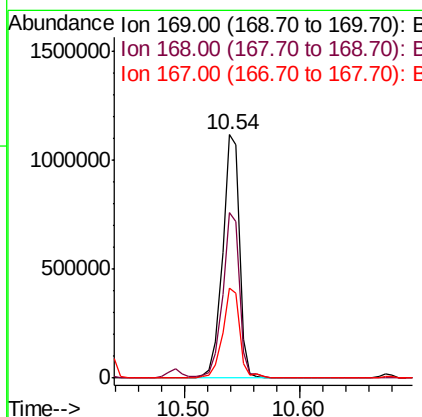
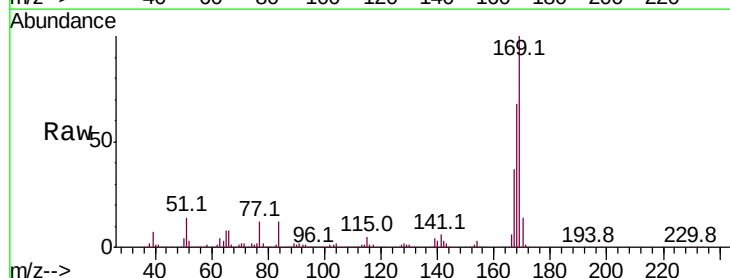
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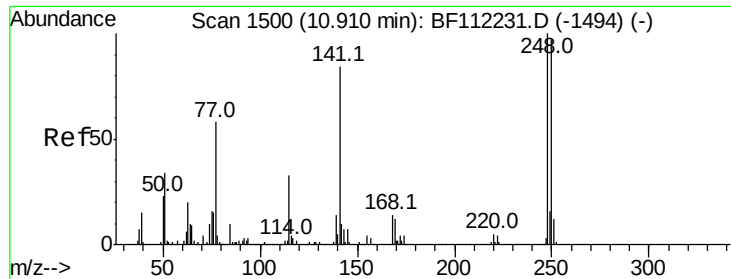
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#66
n-Nitrosodiphenylamine
Concen: 53.356 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.0	53.9	80.9
167	37.1	28.9	43.3





#67

4-Bromophenyl-phenylether

Concen: 50.962 ng

RT: 10.91 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BF112247.D

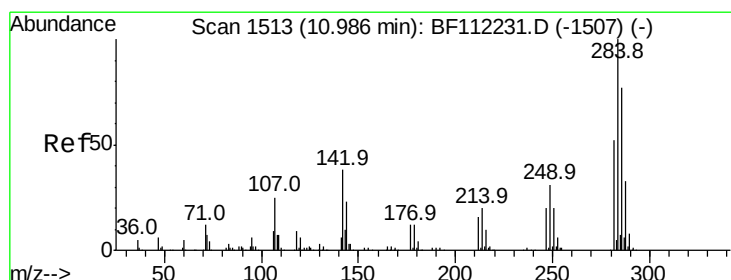
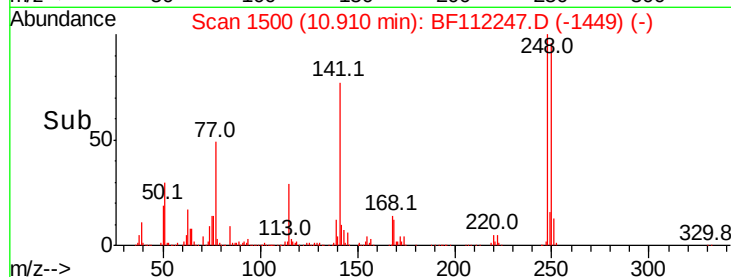
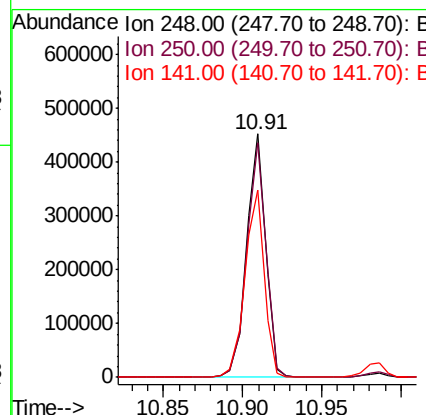
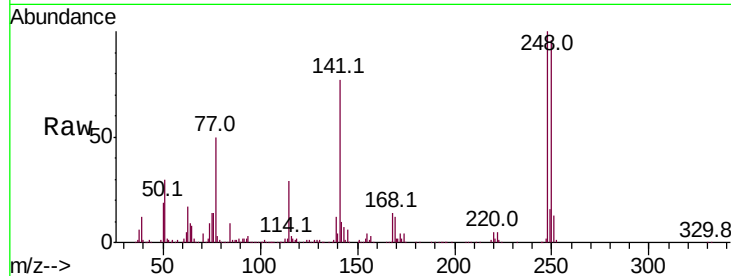
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.3	79.7	119.5
141	77.0	60.3	90.5

Manual Integrations
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#68

Hexachlorobenzene

Concen: 51.881 ng

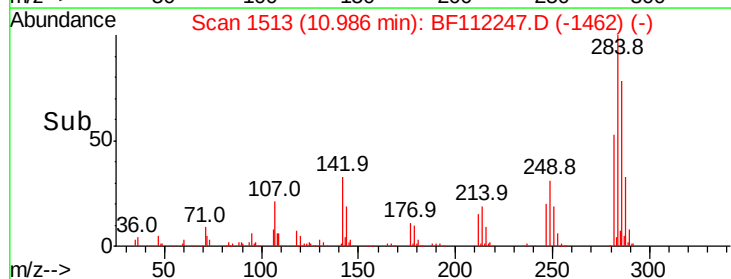
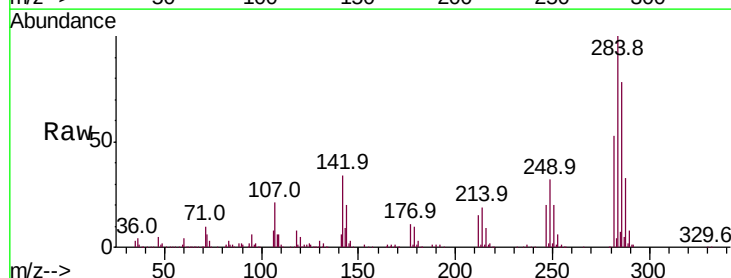
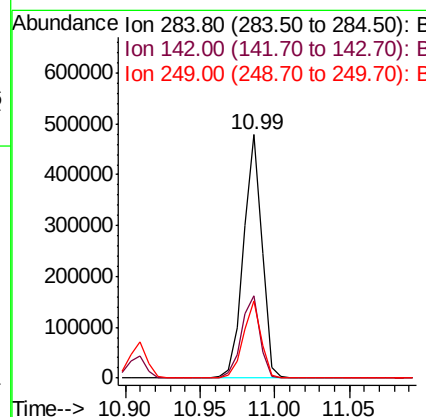
RT: 10.99 min Scan# 1513

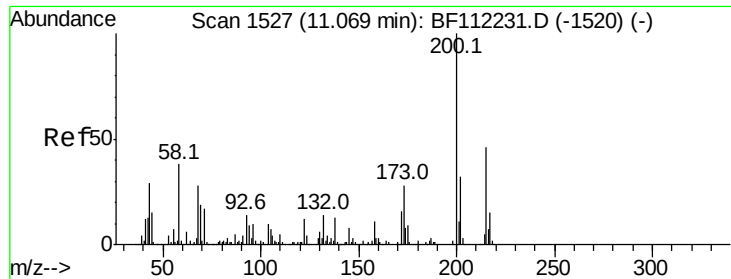
Delta R.T. 0.00 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.6	27.6	41.4
249	31.7	24.1	36.1





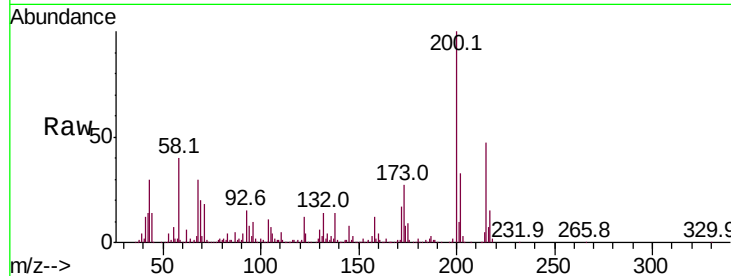
#69
Atrazine
Concen: 52.994 ng
RT: 11.07 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampled :
S4MSD

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

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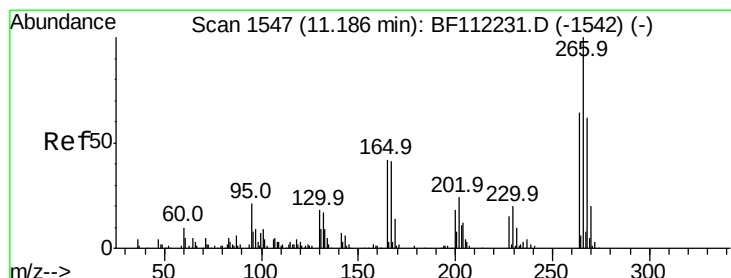
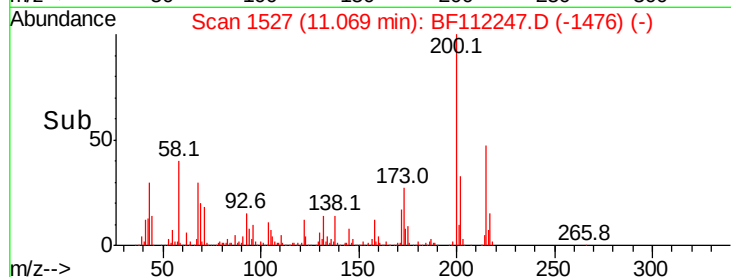
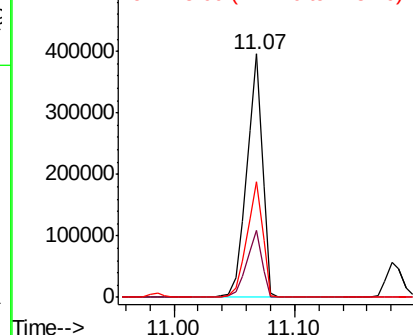


Abundance

Ion 200.00 (199.70 to 200.70): E

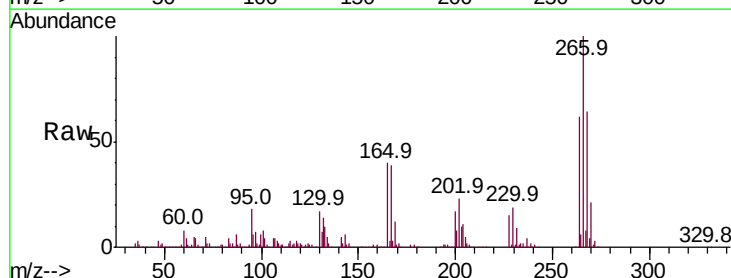
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 106.773 ng
RT: 11.19 min Scan# 1547
Delta R.T. 0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

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

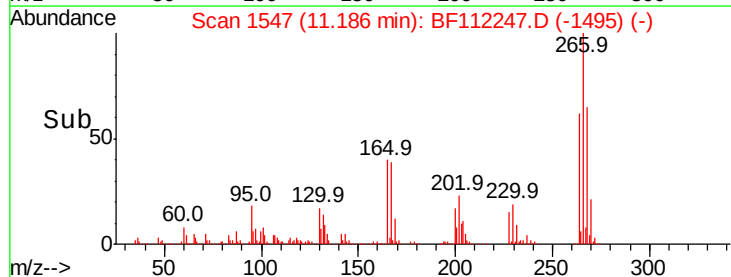
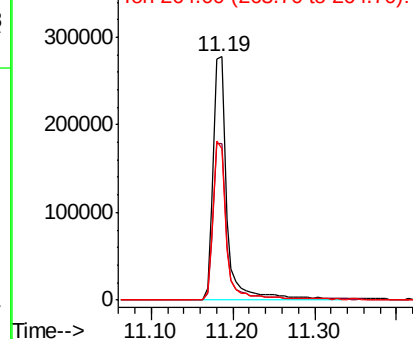


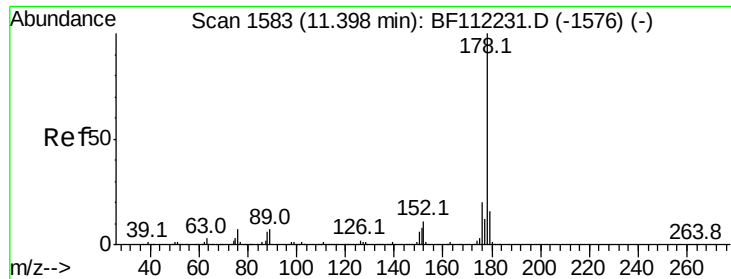
Abundance

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





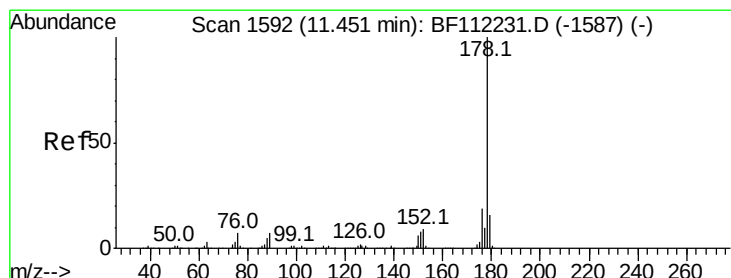
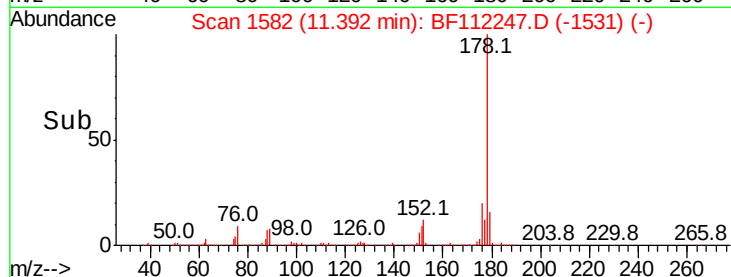
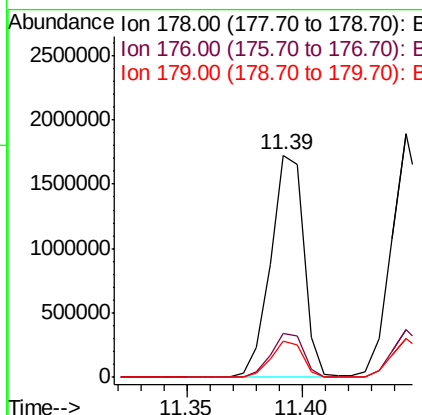
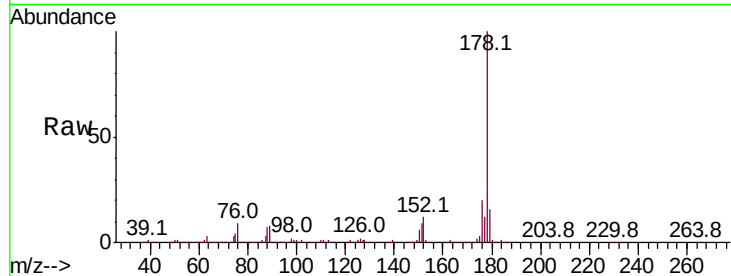
#71
Phenanthrene
Concen: 52.649 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampled :
S4MSD

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

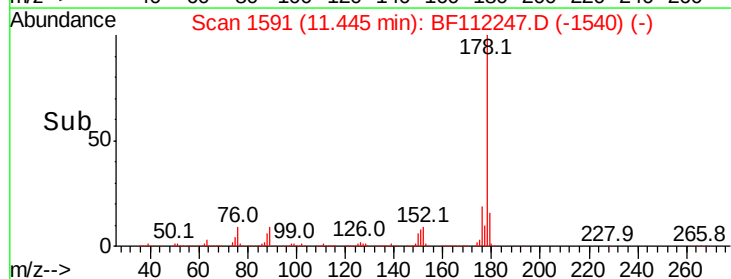
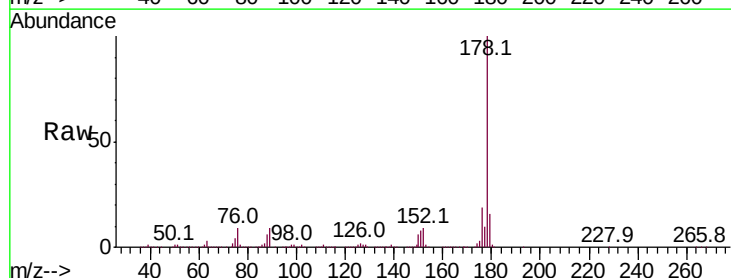
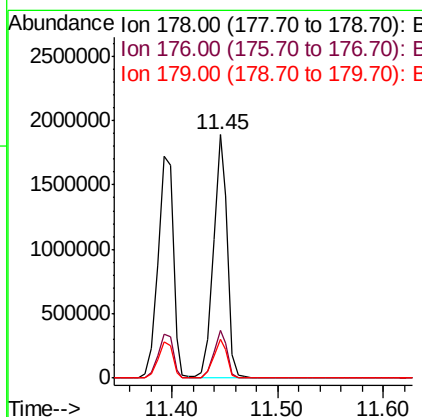
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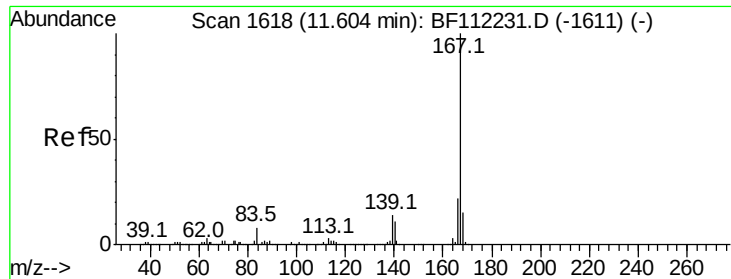
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#72
Anthracene
Concen: 53.930 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

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





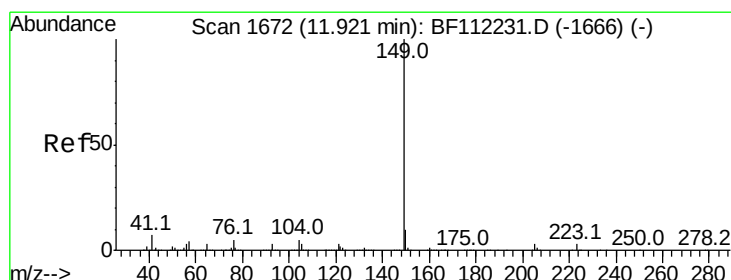
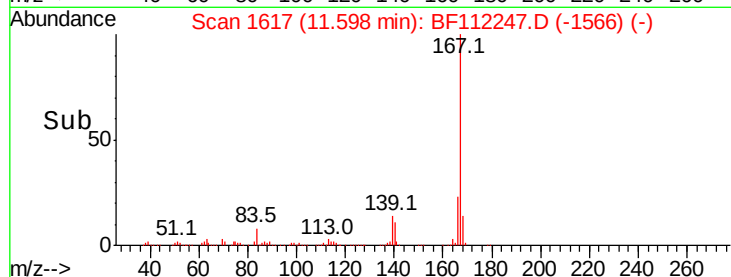
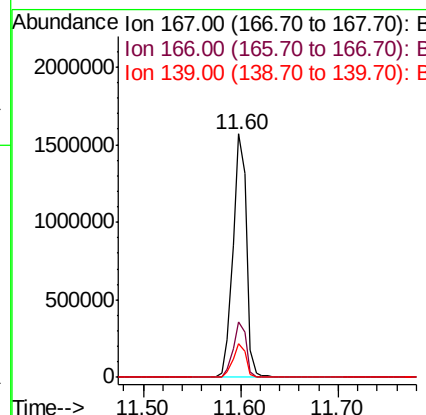
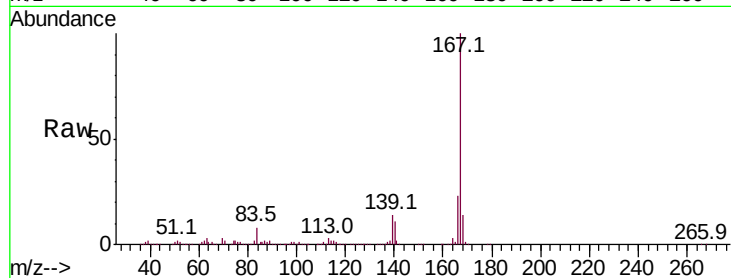
#73
 Carbazole
 Concen: 46.894 ng
 RT: 11.60 min Scan# 1617
 Delta R.T. 0.00 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Instrument :
 BNA_F
 ClientSampleId :
 S4MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.9	26.9
139	14.0	10.2	15.2

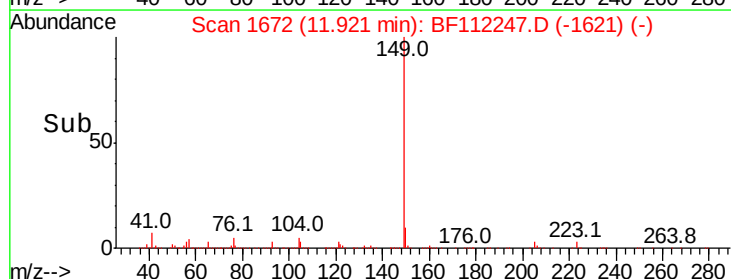
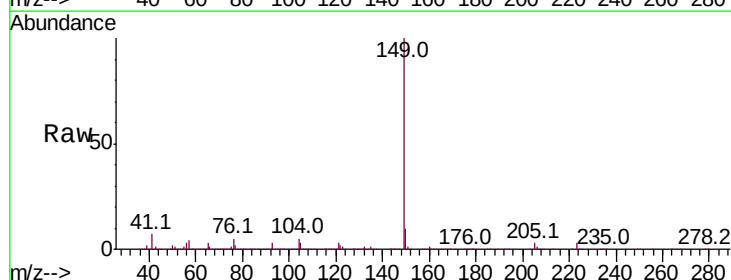
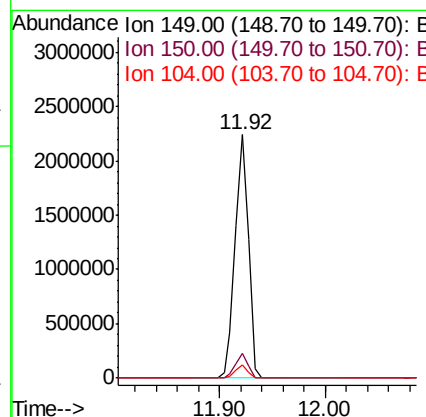
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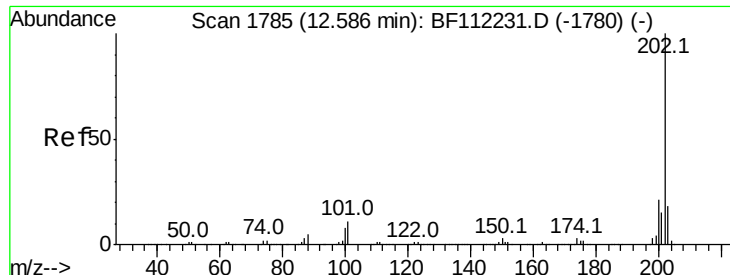
mohammad
 1/29/2019 12:31:42 AM



#74
 Di-n-butylphthalate
 Concen: 48.749 ng
 RT: 11.92 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: BF112247.D
 Acq: 25 Jan 2019 22:18

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.9	8.1	12.1
104	5.3	3.9	5.9





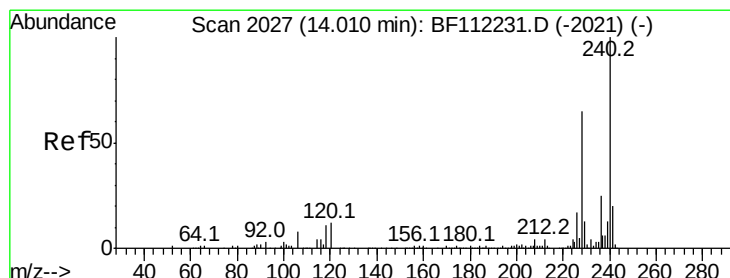
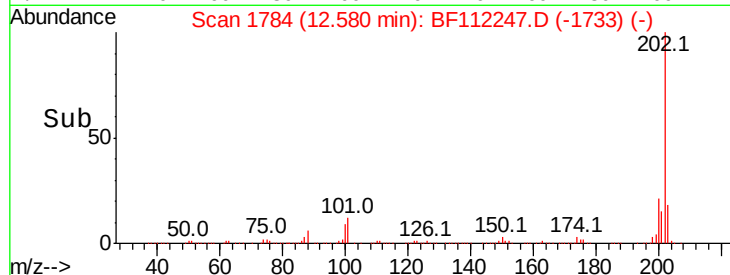
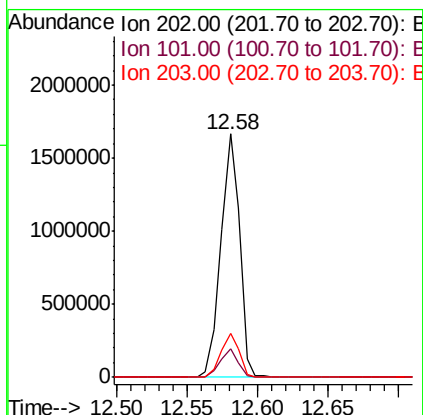
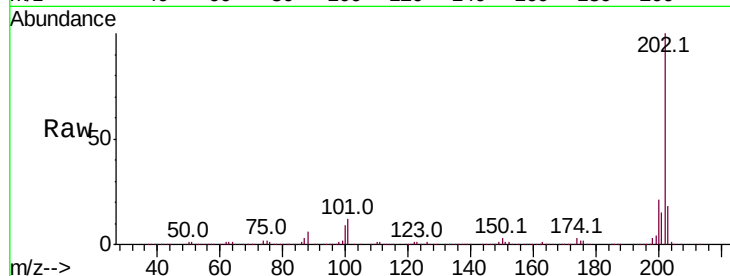
#75
Fluoranthene
Concen: 44.059 ng
RT: 12.58 min Scan# 1784
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.8
203	18.0	0.0	38.4

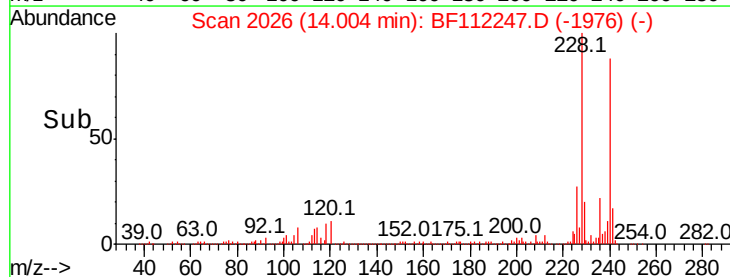
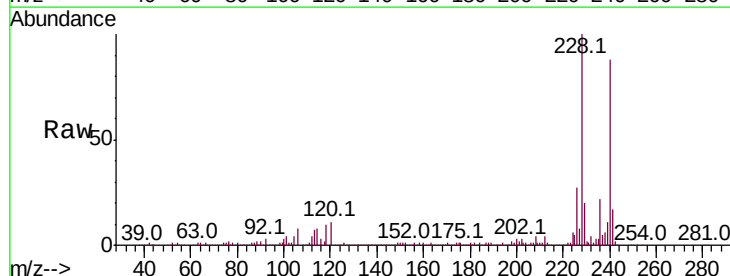
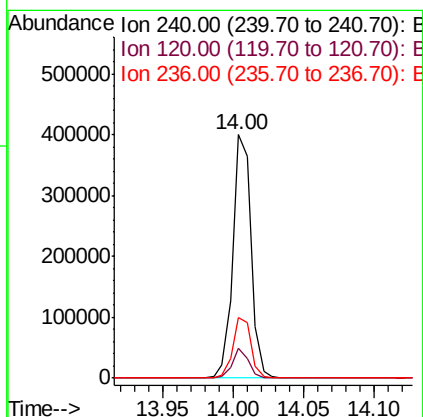
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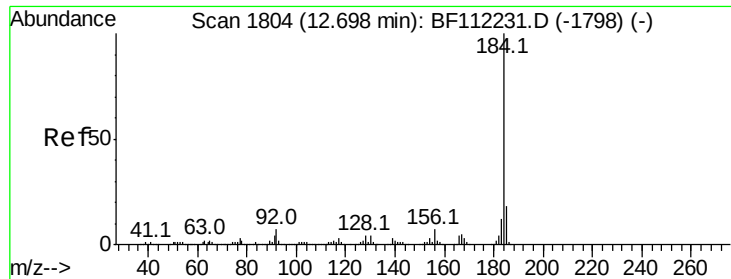
mohammad
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.0	13.6
236	24.8	20.7	31.1





#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

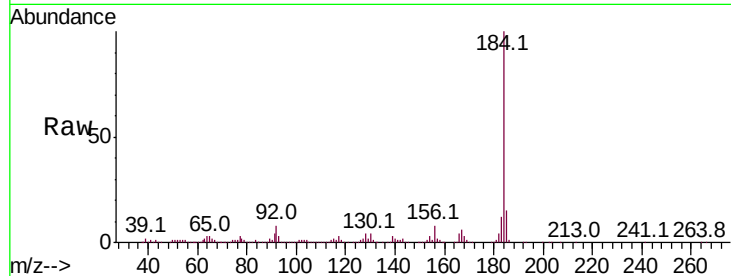
ClientSampleId :

S4MSD

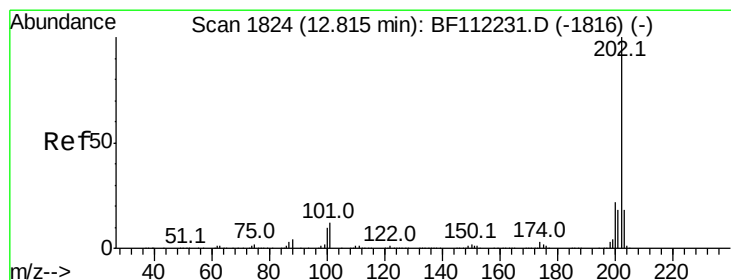
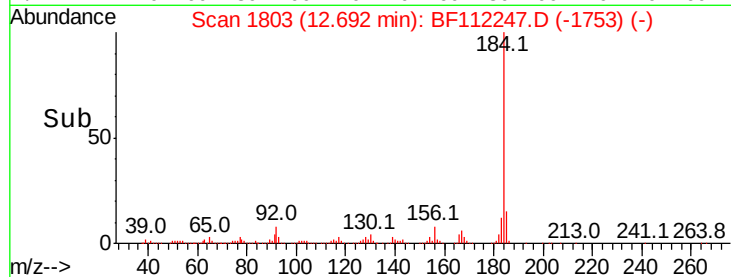
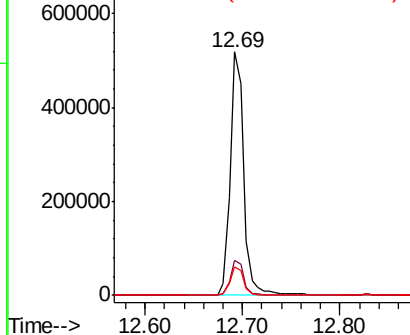
Tot Ion:184	Resp:	501358
Ion Ratio	Lower	Upper
184	100	
185	14.5	13.9 20.9
183	11.8	10.0 15.0

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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

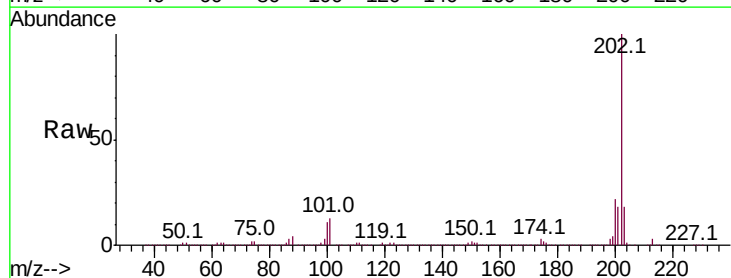
RT: 12.81 min Scan# 1823

Delta R.T. 0.00 min

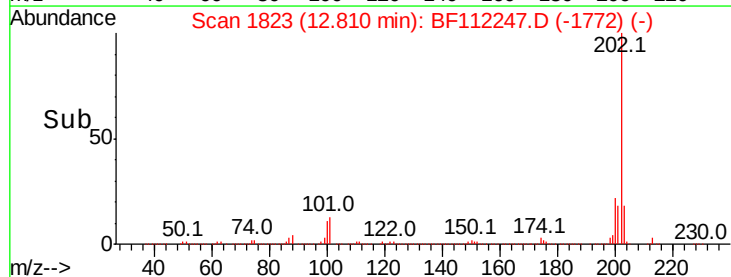
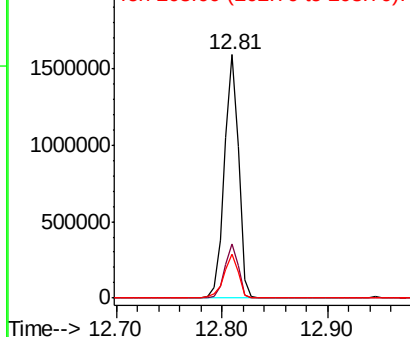
Lab File: BF112247.D

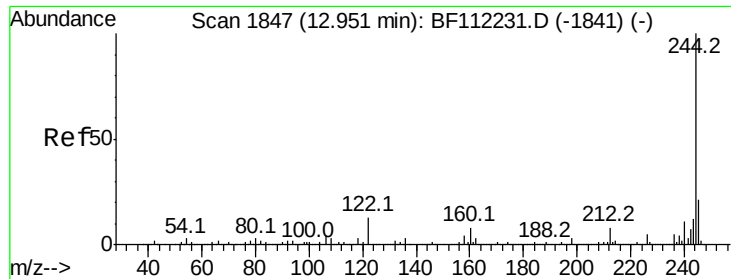
Acq: 25 Jan 2019 22:18

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

ClientSampled :

S4MSD

Tot Ion:244 Resp: 1798942

Ion Ratio Lower Upper

244 100

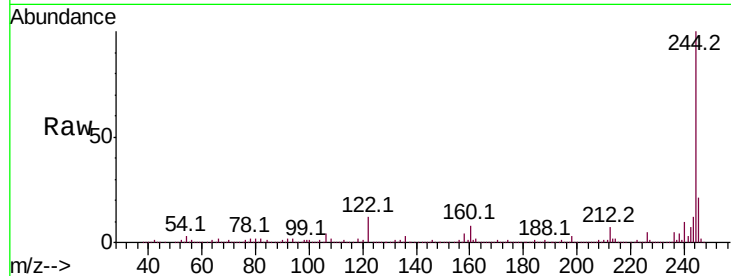
212 7.5 5.9 8.9

122 12.0 9.8 14.6

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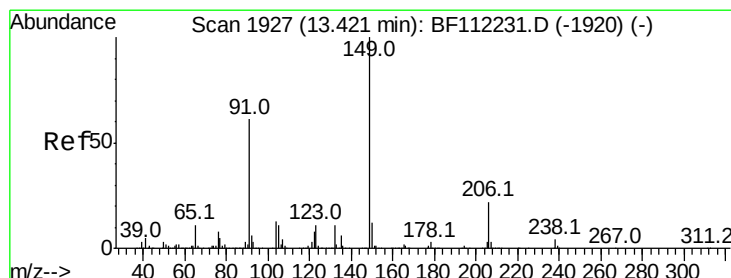
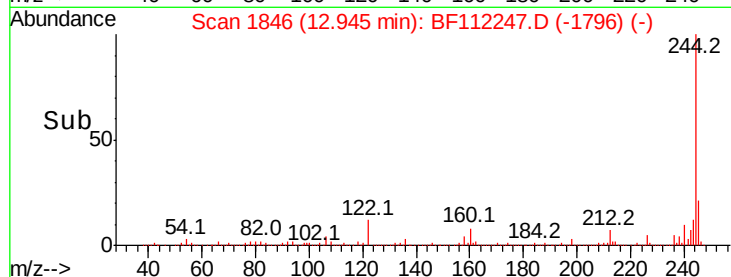
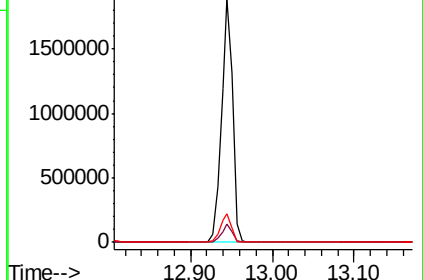
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Abundance Ion 244.00 (243.70 to 244.70): E

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. 0.00 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

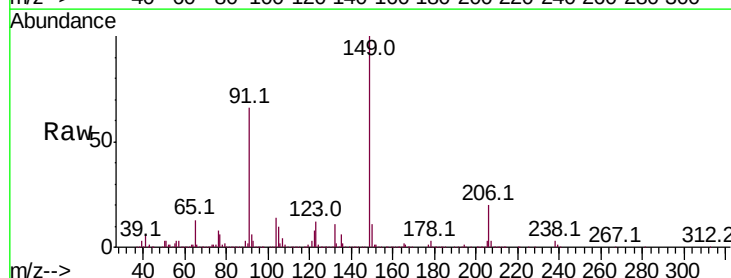
Tgt Ion:149 Resp: 664364

Ion Ratio Lower Upper

149 100

91 65.9 50.3 75.5

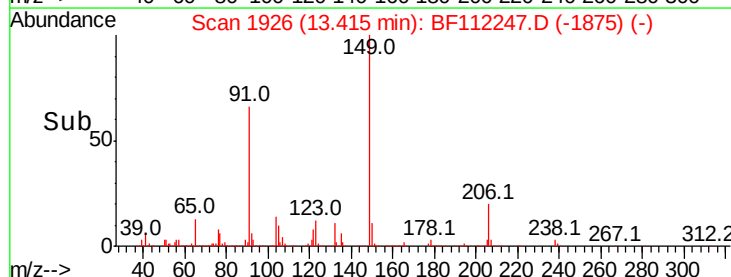
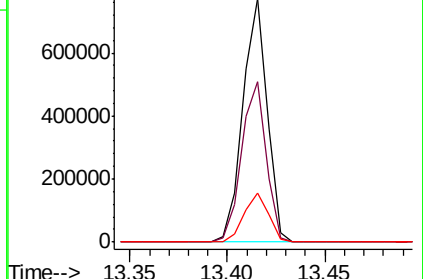
206 20.3 18.2 27.4

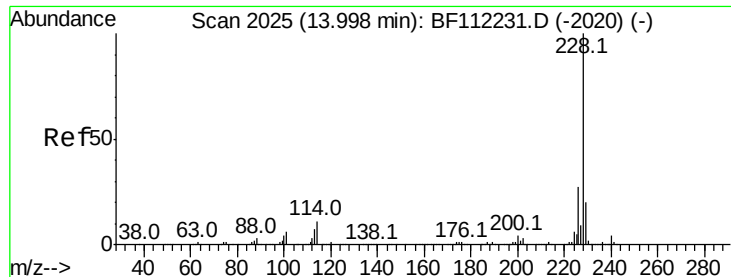


Abundance Ion 149.00 (148.70 to 149.70): E

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. 0.00 min

Lab File: BF112247.D

Acq: 25 Jan 2019 22:18

Instrument :

BNA_F

ClientSampleId :

S4MSD

Tot Ion:228 Resp: 1151964

Ion Ratio Lower Upper

228 100

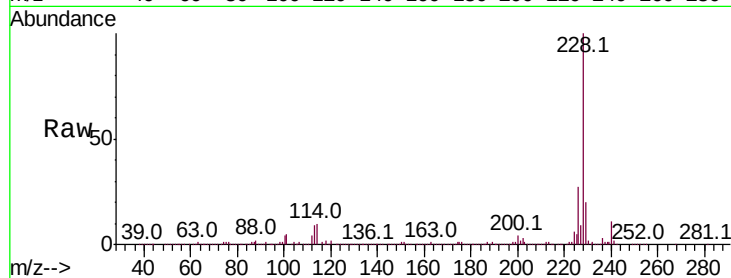
226 27.4 22.6 34.0

229 20.1 16.5 24.7

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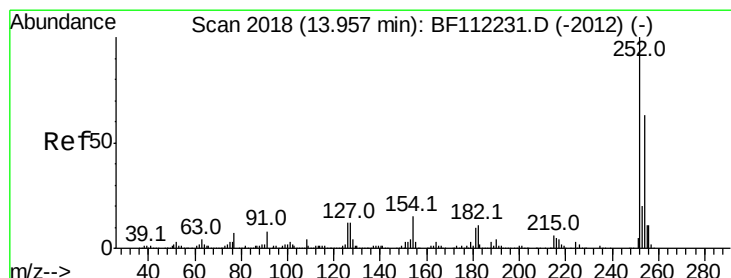
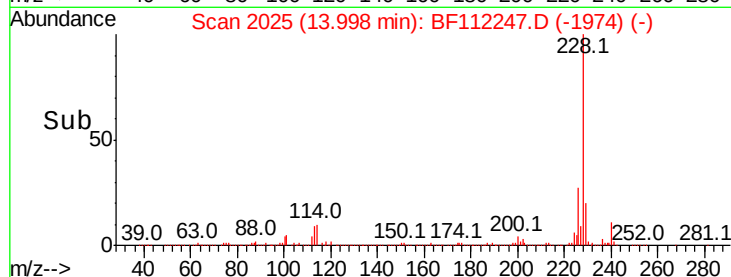
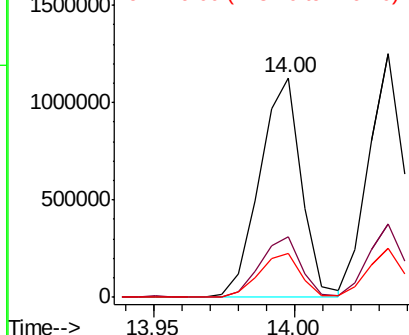


Abundance

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

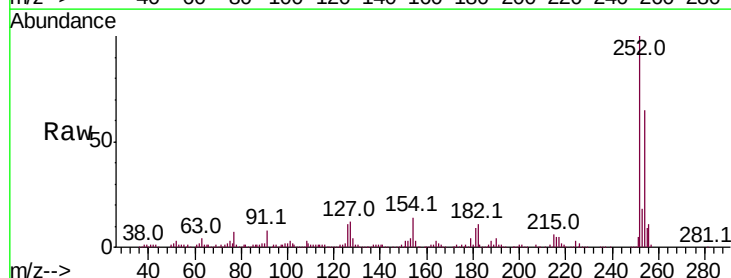
Tgt Ion:252 Resp: 235433

Ion Ratio Lower Upper

252 100

254 65.3 51.6 77.4

126 10.8 8.6 12.8

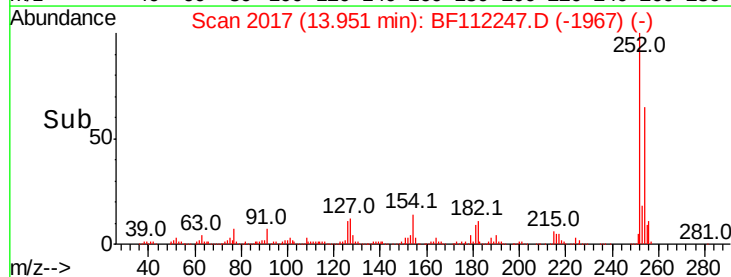
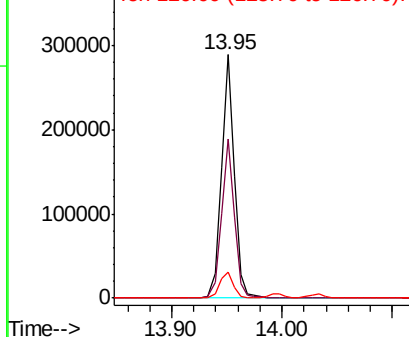


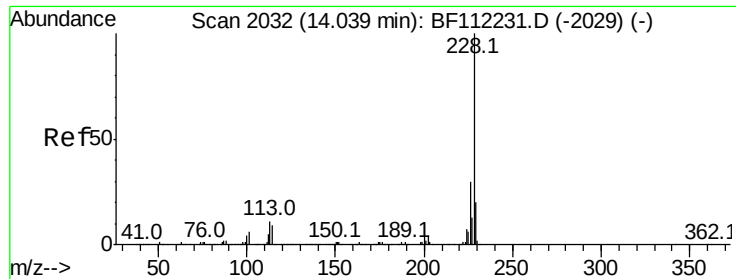
Abundance

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





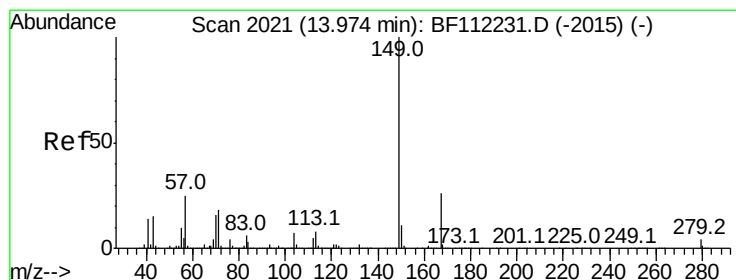
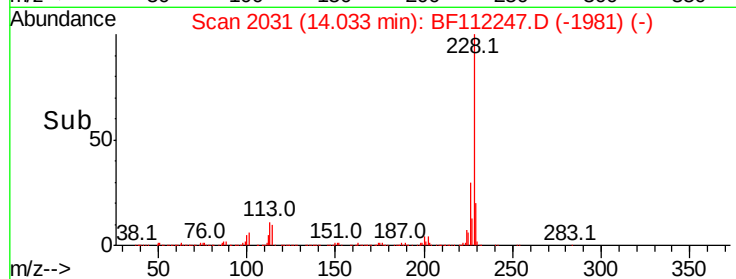
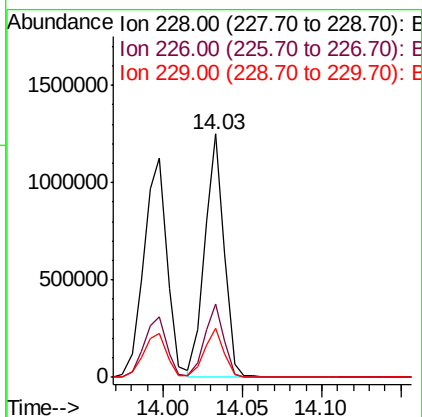
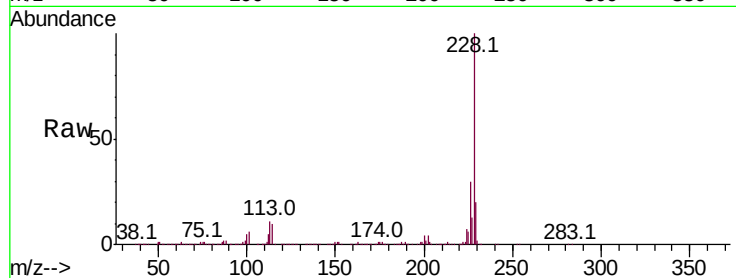
#83
Chrysene
Concen: 52.816 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	19.9	16.6	24.8

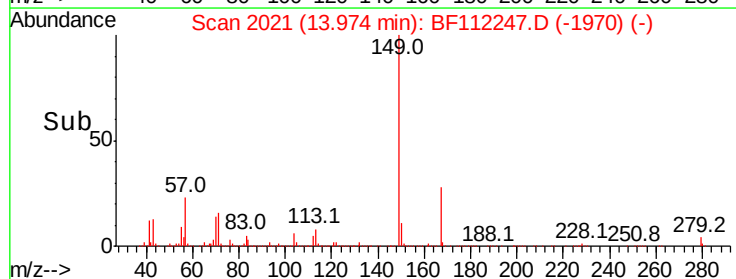
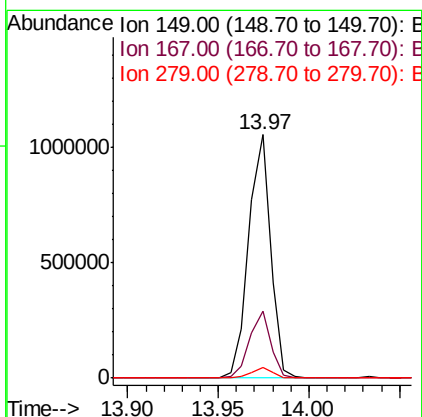
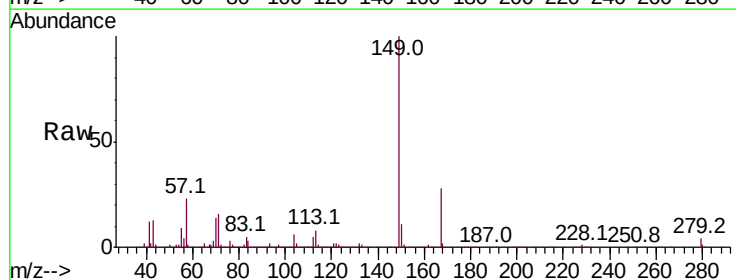
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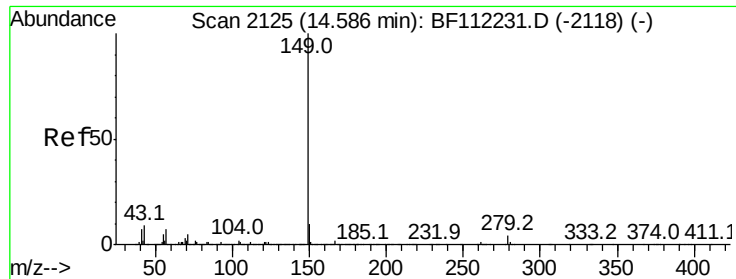
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 52.017 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.5	33.7
279	4.4	3.8	5.6





#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

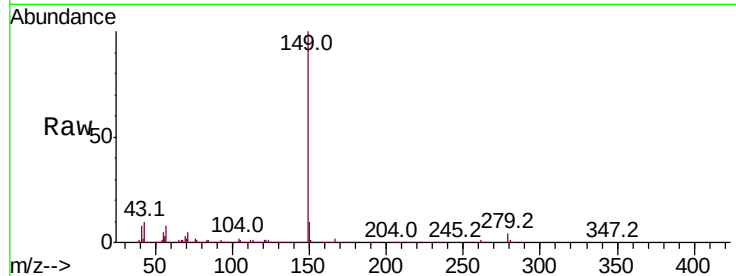
ClientSampleId :

S4MSD

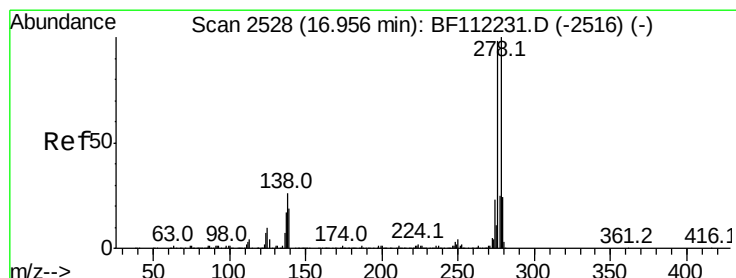
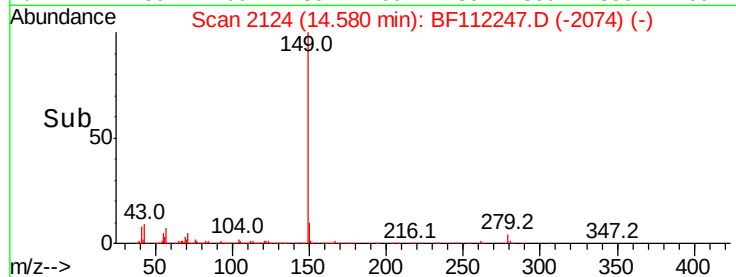
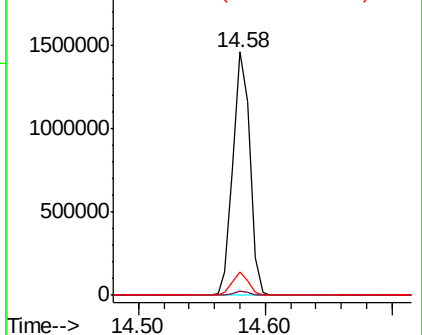
Tot Ion:	149	Resp:	1332485
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.7	7.8	11.6

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Abundance Ion 149.00 (148.70 to 149.70): E
2000000
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

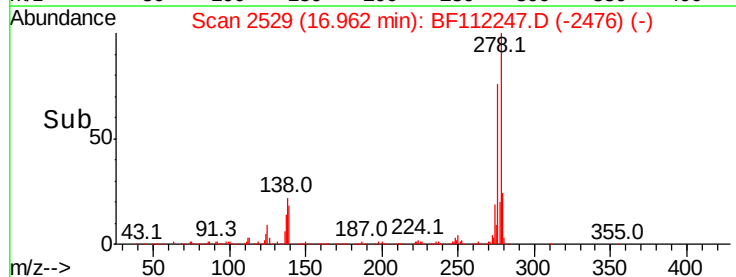
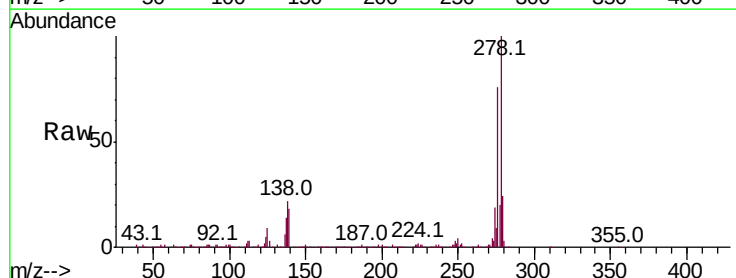
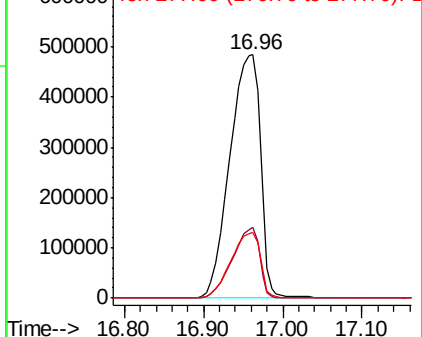
Delta R.T. 0.01 min

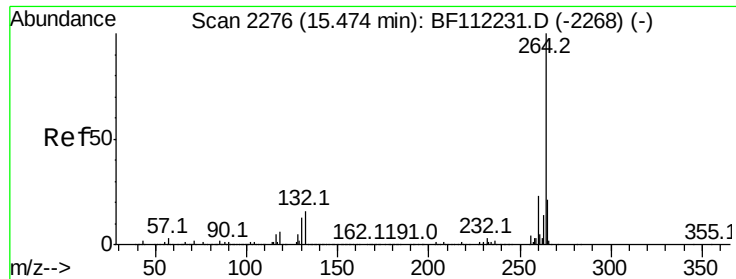
Lab File: BF112247.D

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
600000
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





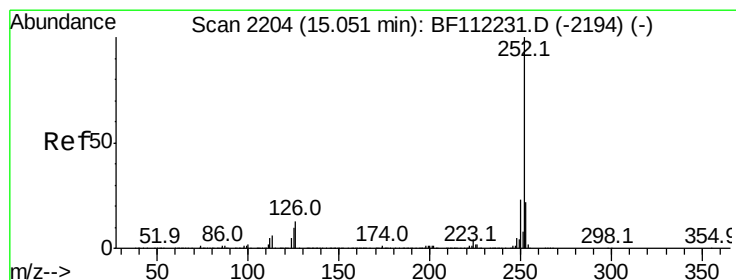
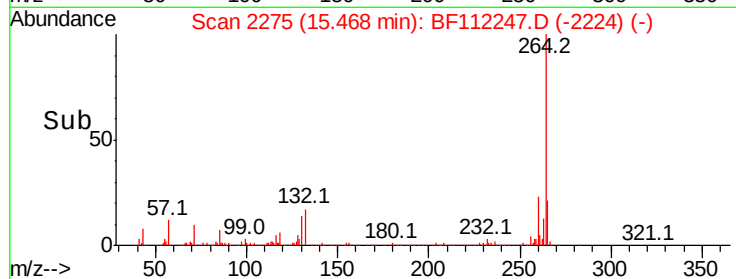
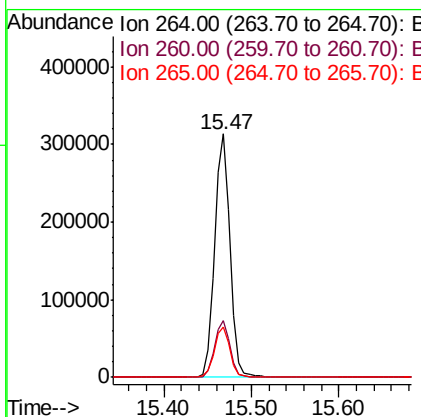
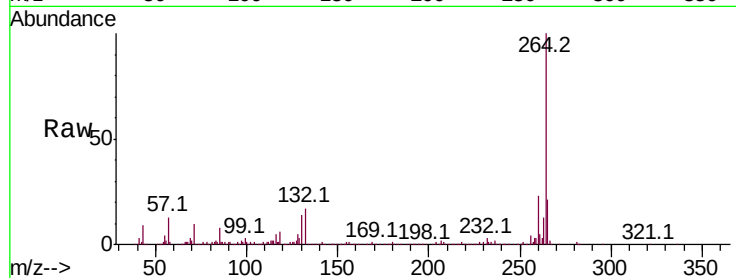
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

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

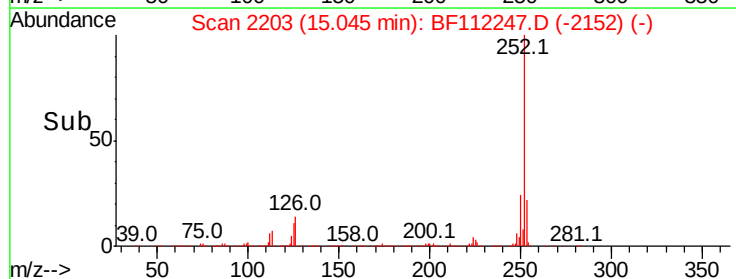
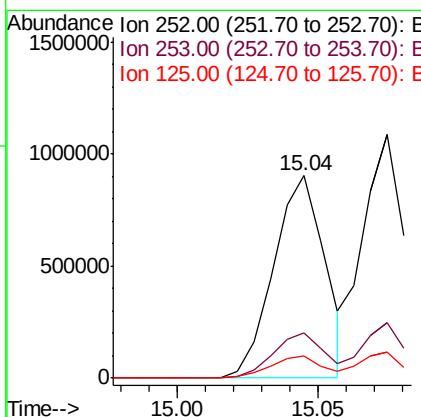
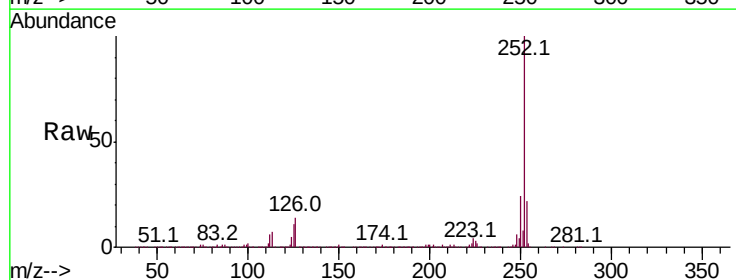
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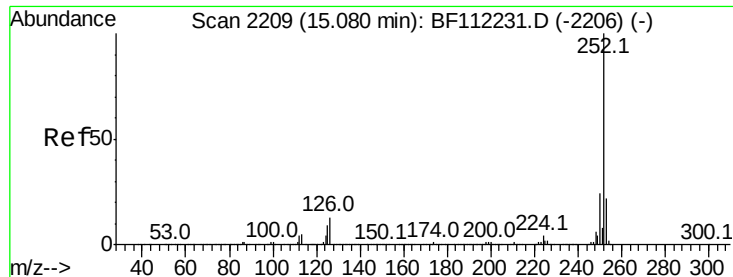
mohammad
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#88
Benzo(b)fluoranthene
Concen: 49.992 ng
RT: 15.04 min Scan# 2203
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

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





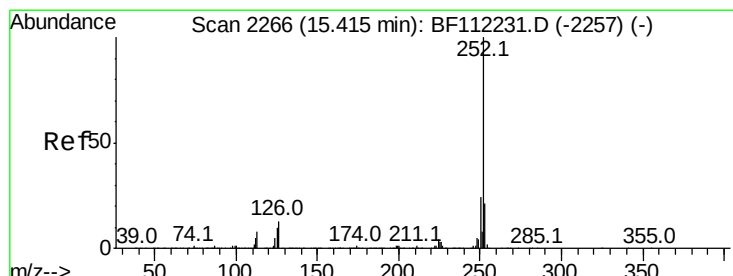
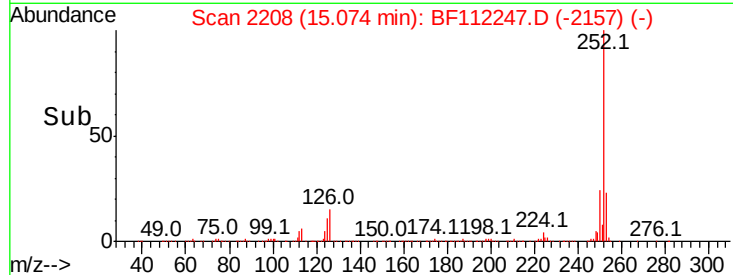
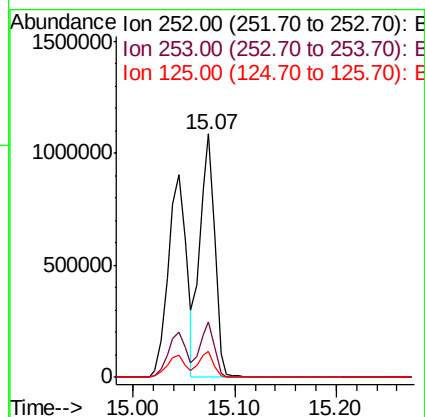
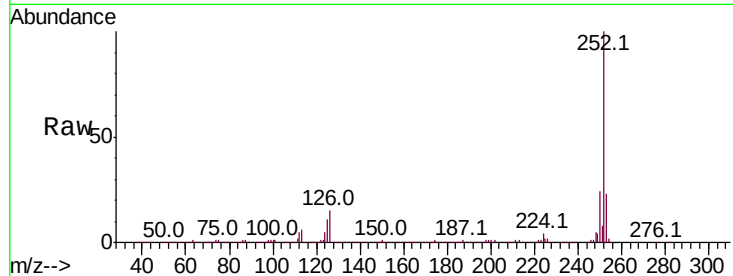
#89
Benzo(k)fluoranthene
Concen: 50.542 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampled :
S4MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	10.7	9.1	13.7

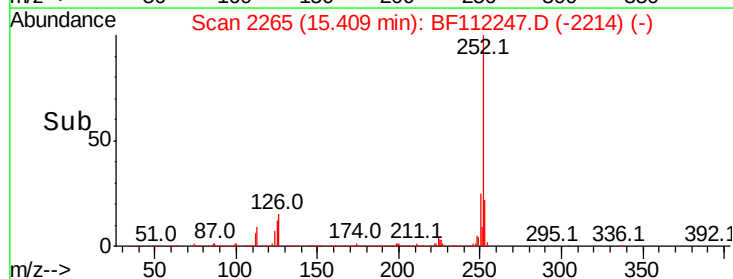
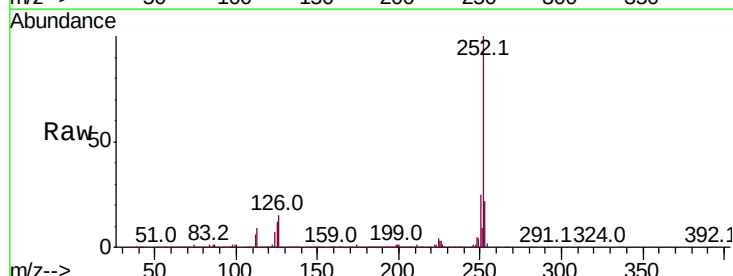
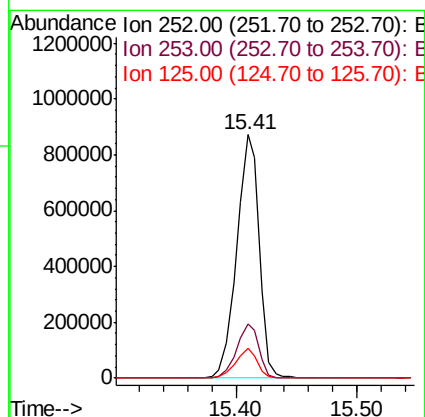
Manual Integrations
APPROVED

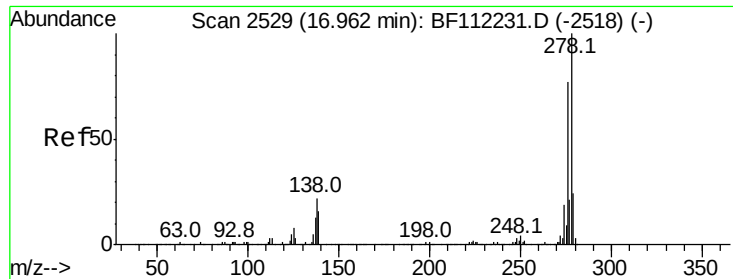
mohammad
1/29/2019 12:31:42 AM



#90
Benzo(a)pyrene
Concen: 54.732 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.00 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

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





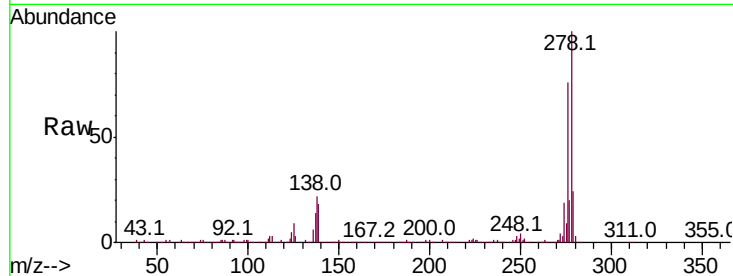
#91
Dibenzo(a,h)anthracene
Concen: 64.684 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.01 min
Lab File: BF112247.D
Acq: 25 Jan 2019 22:18

Instrument :
BNA_F
ClientSampleId :
S4MSD

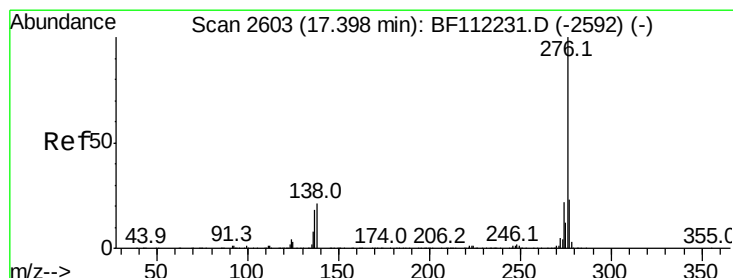
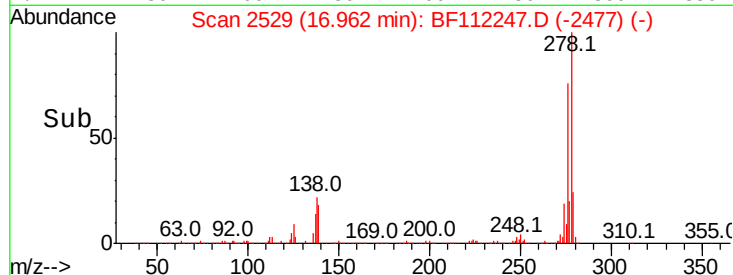
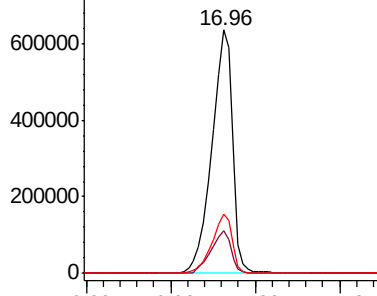
Tot Ion:278 Resp: 1070484
Ion Ratio Lower Upper
278 100
139 17.7 13.7 20.5
279 24.2 19.0 28.6

Manual Integrations
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mohammad
1/29/2019 12:31:42 AM

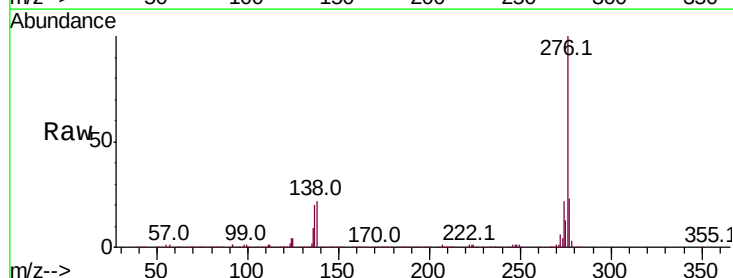


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 68.230 ng
RT: 17.40 min Scan# 2603
Delta R.T. 0.01 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

