

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022019\
 Data File : BF112640.D
 Acq On : 20 Feb 2019 14:25
 Operator : JU/SJ
 Sample : K1528-05MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 20 16:49:23 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 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	71784	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	283822	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	142432	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	273496	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	207973	20.00	ng	-0.01
87) Perylene-d12	15.47	264	210512	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	113048	33.45	ng	-0.01
7) Phenol-d6	6.49	99	143959	30.66	ng	0.00
23) Nitrobenzene-d5	7.39	82	355689	72.21	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	183478	110.67	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	774712	76.93	ng	-0.03
79) Terphenyl-d14	12.93	244	825622	74.77	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.55	88	18467	13.717	ng	# 91
3) Pyridine	3.35	79	30877	9.016	ng	88
4) n-Nitrosodimethylamine	3.27	42	25787	17.923	ng	# 77
6) Aniline	6.50	93	97044	17.372	ng	# 95
8) 2-Chlorophenol	6.63	128	115937	25.501	ng	96
9) Benzaldehyde	6.37	77	689723	281.000	ng	# 1
10) Phenol	6.50	94	50012	9.707	ng	# 17
11) bis(2-Chloroethyl)ether	6.57	93	132650	32.703	ng	94
12) 1,3-Dichlorobenzene	6.77	146	157495	29.746	ng	99
13) 1,4-Dichlorobenzene	6.85	146	161472	29.633	ng	99
14) 1,2-Dichlorobenzene	7.00	146	141908	27.815	ng	94
15) Benzyl Alcohol	6.97	79	85660	21.639	ng	89
16) 2,2'-oxybis(1-Chloropropan	7.10	45	156202	29.993	ng	# 1
17) 2-Methylphenol	7.10	107	77070	21.384	ng	# 21
18) Hexachloroethane	7.36	117	337226	176.235	ng	# 1
19) n-Nitroso-di-n-propylamine	7.23	70	106062	32.754	ng	98
20) 3+4-Methylphenols	7.26	107	96457	20.929	ng	# 61
22) Acetophenone	7.23	105	163347	23.635	ng	# 93
24) Nitrobenzene	7.41	77	182138	37.024	ng	99
25) Isophorone	7.65	82	273198	35.354	ng	99
26) 2-Nitrophenol	7.73	139	78032	29.681	ng	# 86
27) 2,4-Dimethylphenol	7.77	122	107671	29.726	ng	91
28) bis(2-Chloroethoxy)methane	7.85	93	170344	32.374	ng	98
29) 2,4-Dichlorophenol	7.99	162	117580	29.007	ng	97
30) 1,2,4-Trichlorobenzene	8.05	180	139138	29.862	ng	95
31) Naphthalene	8.14	128	4003351	301.622	ng	97
32) Benzoic acid	7.73	122	7112	3.442	ng	97
33) 4-Chloroaniline	8.19	127	75911	13.135	ng	96
34) Hexachlorobutadiene	8.24	225	81315	29.740	ng	98
35) Caprolactam	8.66	113	8557	5.984	ng	97
36) 4-Chloro-3-methylphenol	8.67	107	112773	26.281	ng	94
37) 2-Methylnaphthalene	8.82	142	1005092	110.617	ng	# 95
38) 1-Methylnaphthalene	8.82	142	1005092	115.408	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.99	216	140975	30.145	ng	98

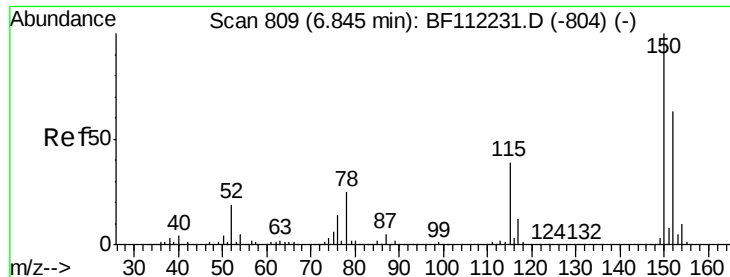
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022019\
 Data File : BF112640.D
 Acq On : 20 Feb 2019 14:25
 Operator : JU/SJ
 Sample : K1528-05MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 20 16:49:23 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 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	47002	32.873	nq	96
43) 2,4,6-Trichlorophenol	9.10	196	87655	30.408	nq	96
44) 2,4,5-Trichlorophenol	9.16	196	87758	29.129	nq	96
46) 1,1'-Biphenyl	9.28	154	395201	31.738	nq	98
47) 2-Chloronaphthalene	9.31	162	294087	30.456	nq	97
48) 2-Nitroaniline	9.41	65	81716	31.049	nq	83
49) Acenaphthylene	9.72	152	466788	32.982	nq	98
50) Dimethylphthalate	9.57	163	353978	31.987	nq	99
51) 2,6-Dinitrotoluene	9.65	165	76976	31.059	nq #	92
52) Acenaphthene	9.89	154	273704	32.373	nq	99
53) 3-Nitroaniline	9.83	138	29014	10.806	nq #	99
54) 2,4-Dinitrophenol	9.96	184	47160	59.292	nq #	90
55) Dibenzofuran	10.06	168	416585	32.244	nq	92
56) 4-Nitrophenol	10.06	139	192398	135.533	nq #	17
57) 2,4-Dinitrotoluene	10.07	165	104958	33.265	nq #	80
58) Fluorene	10.41	166	342998	35.476	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.20	232	65143	28.612	nq #	86
60) Diethylphthalate	10.27	149	372916	33.957	nq	98
61) 4-Chlorophenyl-phenylether	10.39	204	166479	31.654	nq	89
62) 4-Nitroaniline	10.44	138	59539	22.607	nq	92
63) Azobenzene	10.56	77	316267	32.745	nq	97
65) 4,6-Dinitro-2-methylphenol	10.49	198	33819	22.055	nq	94
66) n-Nitrosodiphenylamine	10.52	169	293481	31.839	nq	98
67) 4-Bromophenyl-phenylether	10.88	248	99988	31.084	nq	92
68) Hexachlorobenzene	10.97	284	107301	31.091	nq	94
69) Atrazine	11.04	200	86389	29.046	nq	94
70) Pentachlorophenol	11.17	266	67370	50.169	nq	98
71) Phenanthrene	11.37	178	483869	34.031	nq	98
72) Anthracene	11.43	178	503776	35.568	nq	98
73) Carbazole	11.59	167	418717	29.970	nq	98
74) Di-n-butylphthalate	11.89	149	601484	34.684	nq	98
75) Fluoranthene	12.56	202	487301	31.953	nq	98
77) Benzidine	12.93	184	12251	2.140	nq #	88
78) Pyrene	12.79	202	479350	33.291	nq	98
80) Butylbenzylphthalate	13.39	149	237820	34.138	nq	92
81) Benzo(a)anthracene	13.99	228	407396	33.323	nq	98
82) 3,3'-Dichlorobenzidine	13.95	252	15169	3.315	nq #	97
83) Chrysene	14.02	228	381269	32.671	nq	98
84) Bis(2-ethylhexyl)phthalate	13.95	149	354662	35.865	nq #	96
85) Di-n-octyl phthalate	14.56	149	573223	37.677	nq	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	456297	49.345	nq	95
88) Benzo(b)fluoranthene	15.04	252	386987	30.739	nq	98
89) Benzo(k)fluoranthene	15.07	252	395892	32.830	nq	97
90) Benzo(a)pyrene	15.41	252	380418	33.582	nq	99
91) Dibenzo(a,h)anthracene	16.96	278	384640	42.130	nq	97
92) Benzo(g,h,i)perylene	17.42	276	378572	43.951	nq	95

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

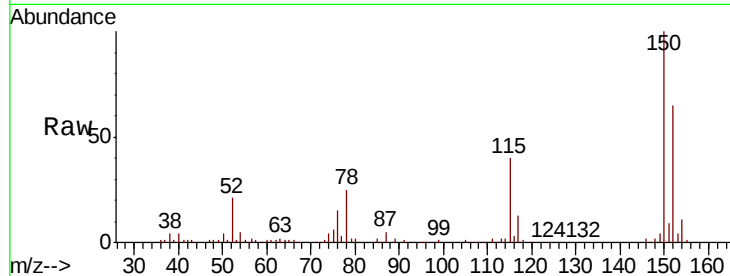


#1

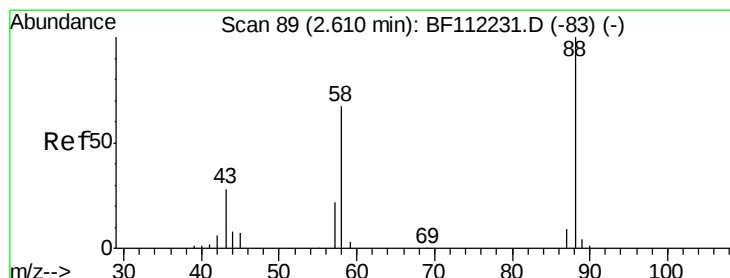
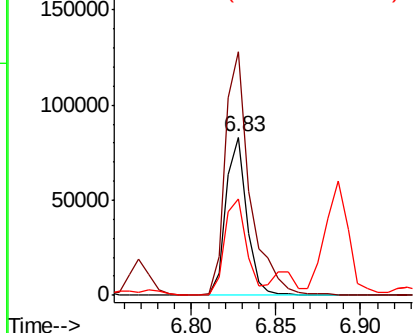
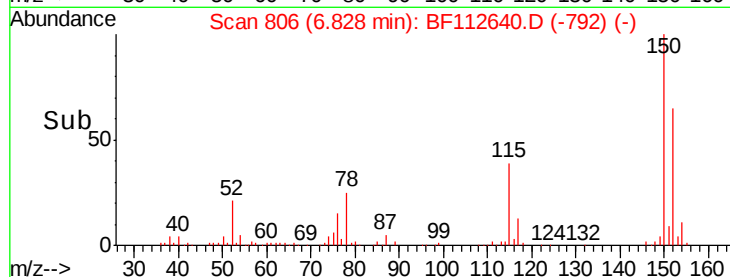
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 71784
Ion Ratio Lower Upper
152 100
150 153.9 127.4 191.0
115 61.1 45.5 68.3



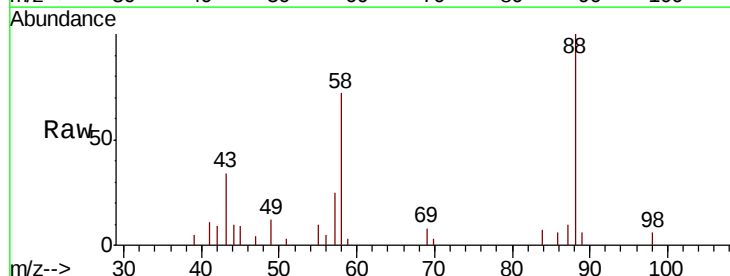
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



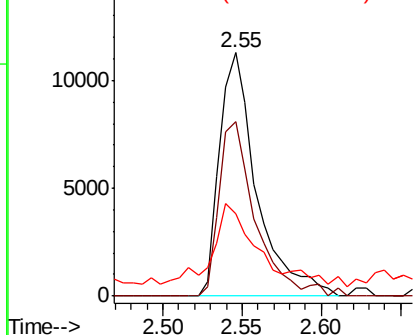
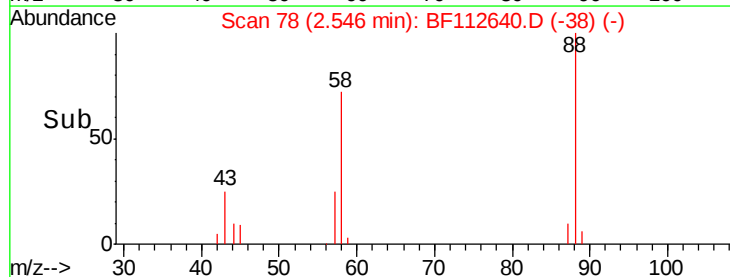
#2

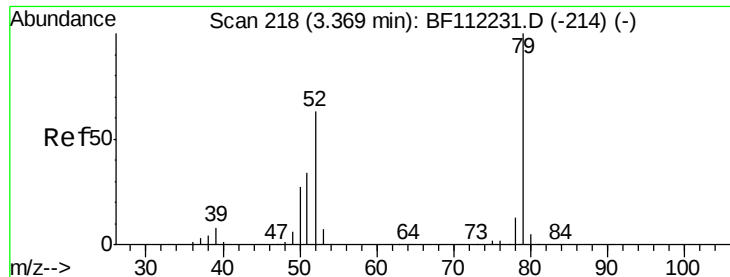
1,4-Dioxane
Concen: 13.717 ng
RT: 2.55 min Scan# 78
Delta R.T. -0.06 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

Tgt Ion: 88 Resp: 18467
Ion Ratio Lower Upper
88 100
58 70.4 57.4 86.2
43 42.6 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: 9.016 ng

RT: 3.35 min Scan# 214

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampleId :

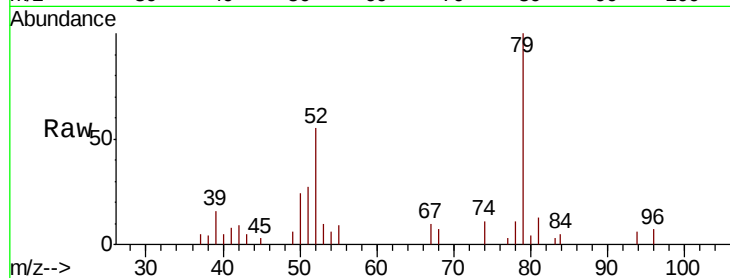
Tot Ion: 79 Resp: 30877

Ion Ratio Lower Upper

79 100

52 55.2 52.4 78.6

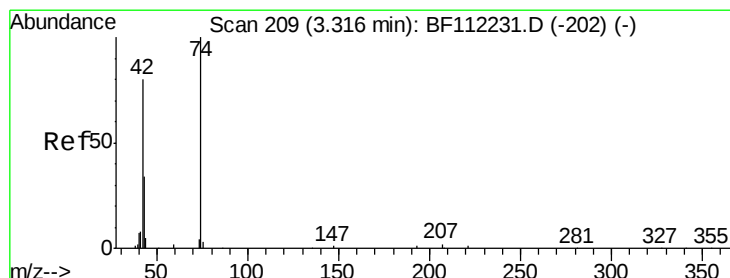
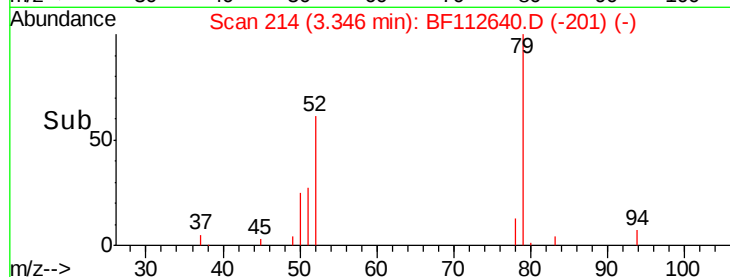
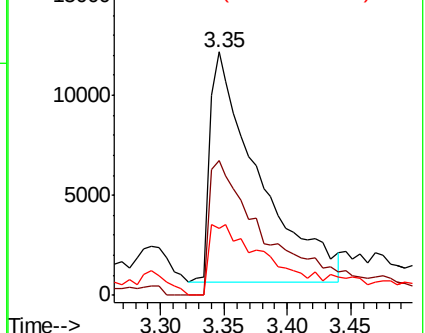
51 27.4 26.1 39.1



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 17.923 ng

RT: 3.27 min Scan# 201

Delta R.T. -0.05 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

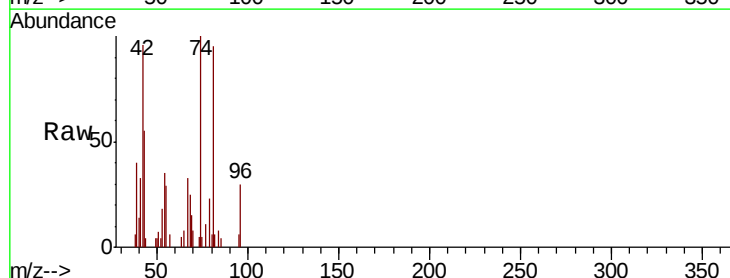
Tgt Ion: 42 Resp: 25787

Ion Ratio Lower Upper

42 100

74 104.5 105.6 158.4#

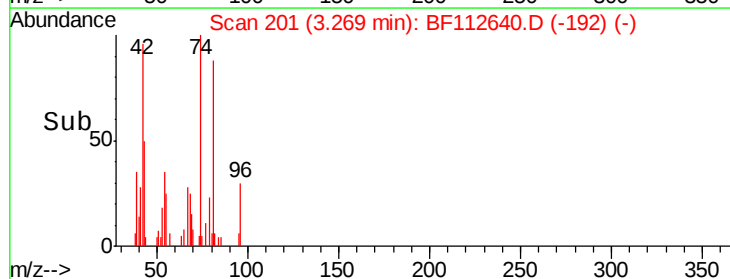
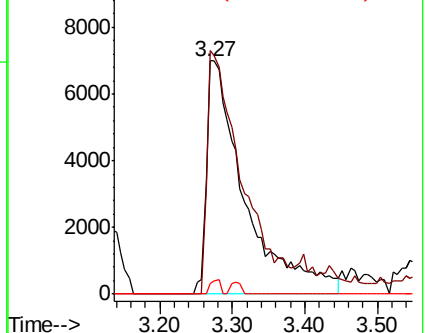
44 4.3 5.4 8.2#

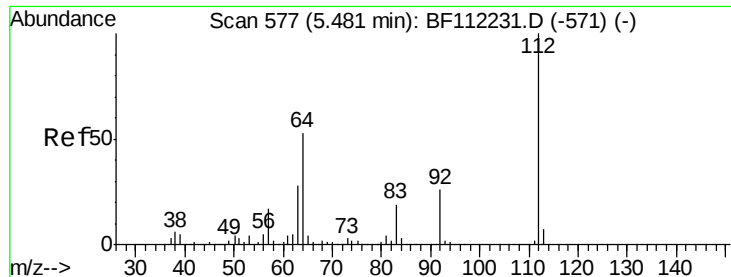


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 33.451 ng

RT: 5.47 min Scan# 575

Delta R.T. -0.01 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampled :

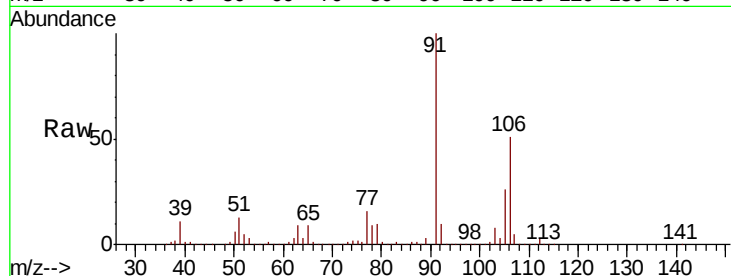
Tot Ion:112 Resp: 113048

Ion Ratio Lower Upper

112 100

64 111.0 45.7 68.5#

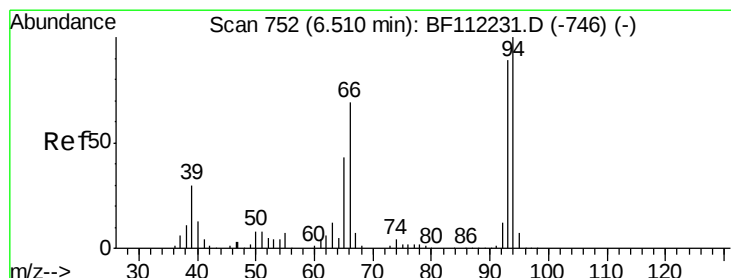
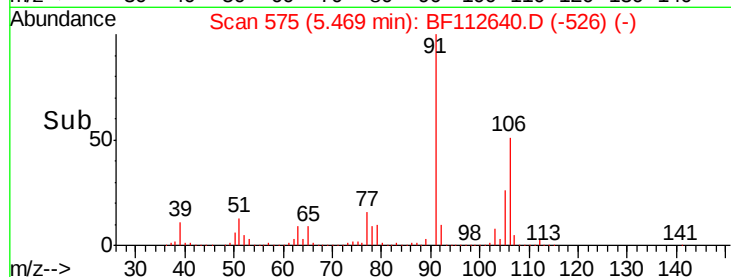
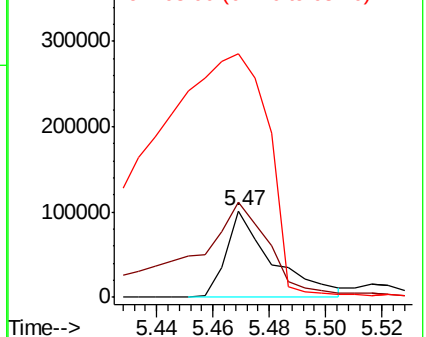
63 282.6 23.6 35.4#



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: 17.372 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

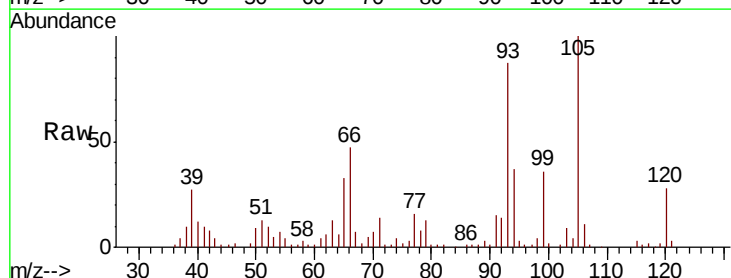
Tgt Ion: 93 Resp: 97044

Ion Ratio Lower Upper

93 100

66 54.0 43.4 65.2

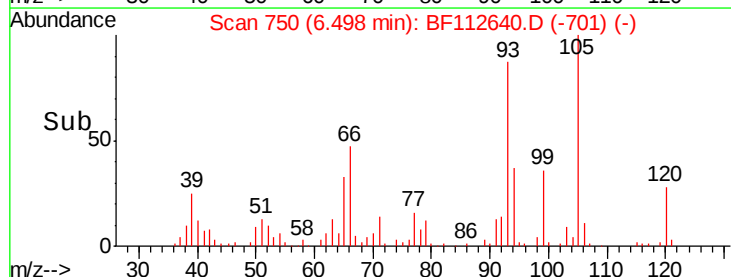
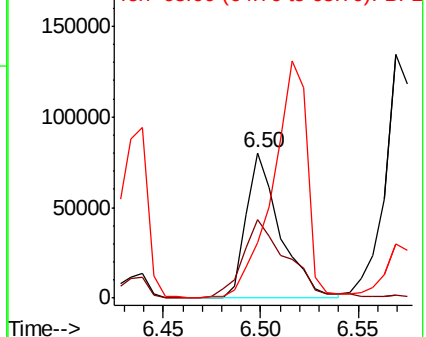
65 38.4 25.3 37.9#

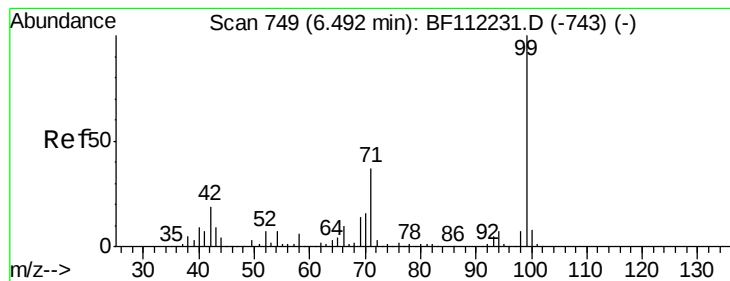


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 30.655 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

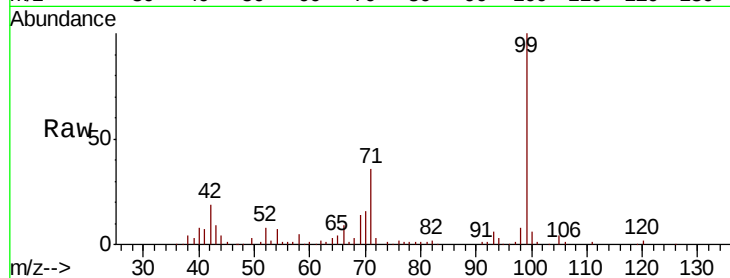
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 143959

Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.1	22.7
71	36.5	26.9	40.3

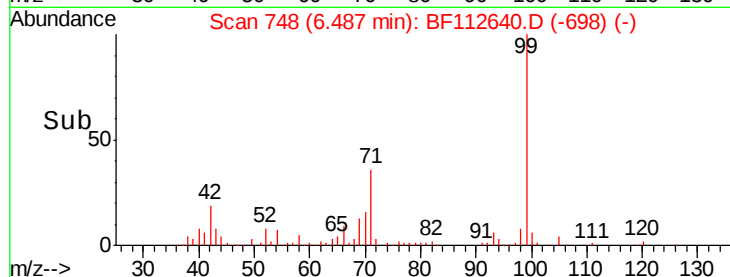


Abundance

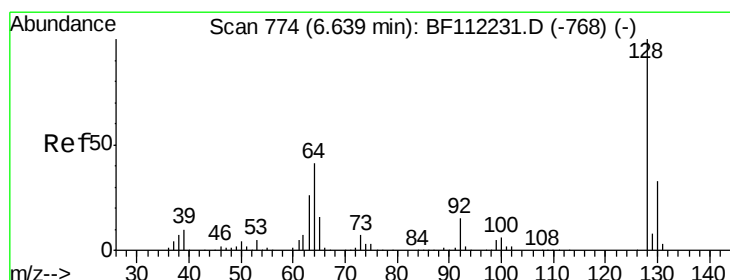
Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#8

2-Chlorophenol

Concen: 25.501 ng

RT: 6.63 min Scan# 773

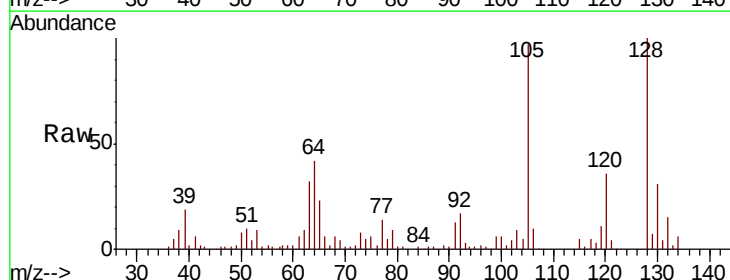
Delta R.T. -0.01 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Tgt Ion:128 Resp: 115937

Ion	Ratio	Lower	Upper
128	100		
130	31.0	13.4	53.4
64	42.4	20.5	60.5

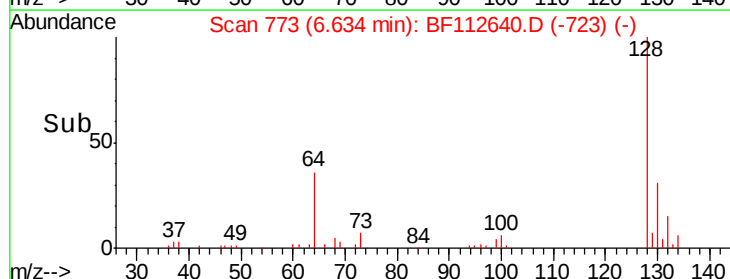


Abundance

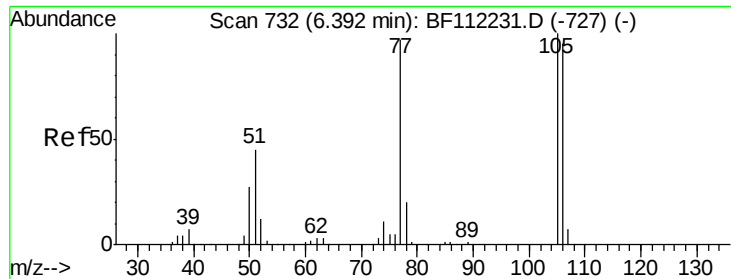
Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1



Time-->



#9

Benzaldehyde

Concen: 281.000 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampled :

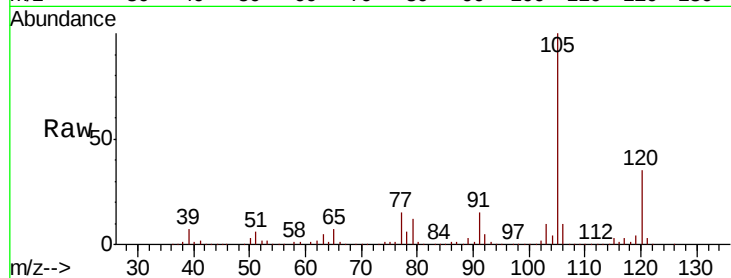
Tot Ion: 77 Resp: 689723

Ion Ratio Lower Upper

77 100

105 671.3 80.8 120.8#

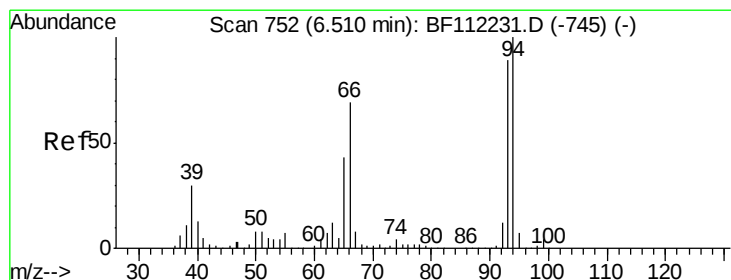
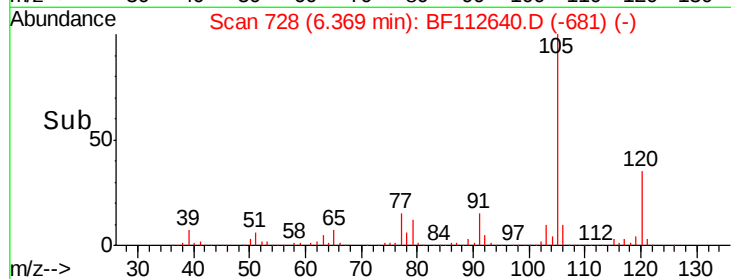
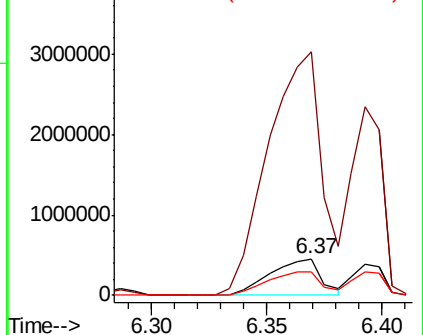
106 66.1 75.7 115.7#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 9.707 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

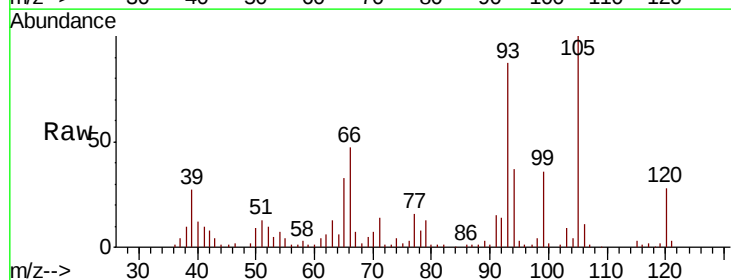
Tgt Ion: 94 Resp: 50012

Ion Ratio Lower Upper

94 100

65 90.5 20.3 60.3#

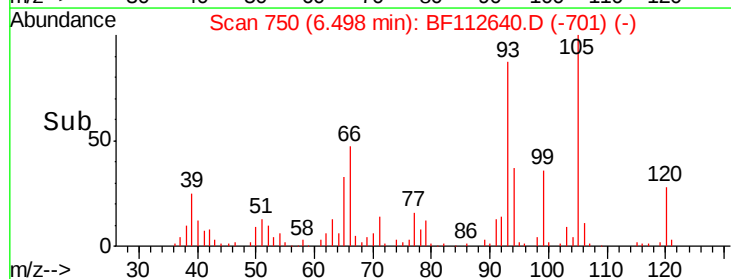
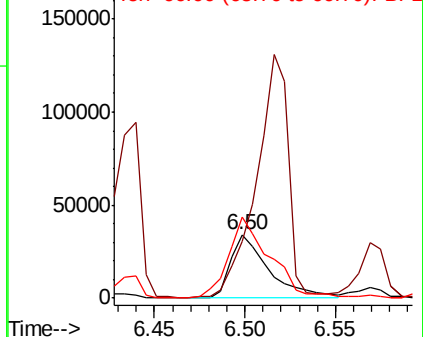
66 127.5 42.4 82.4#

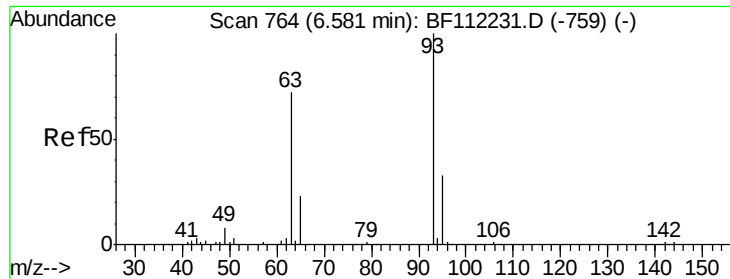


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

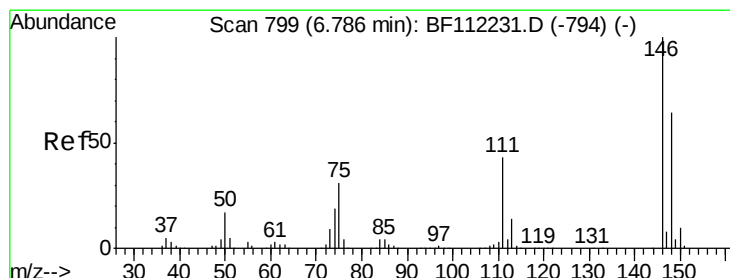
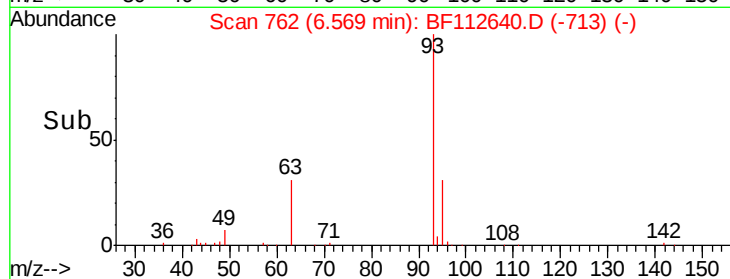
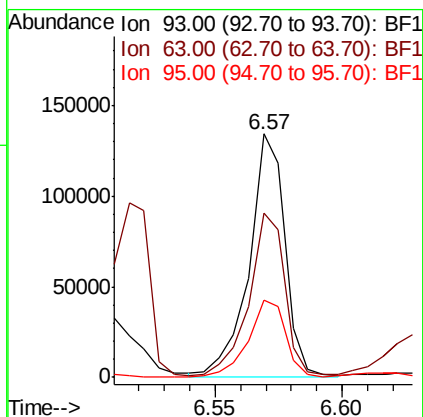
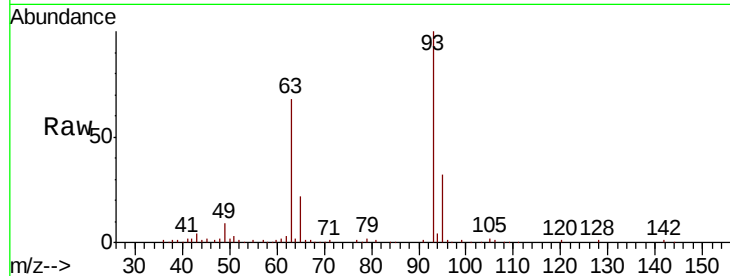




#11
bis(2-Chloroethyl)ether
Concen: 32.703 ng
RT: 6.57 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

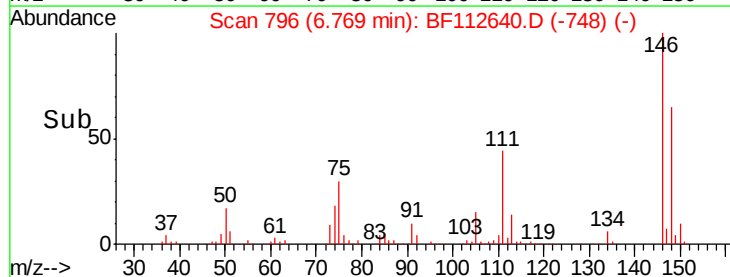
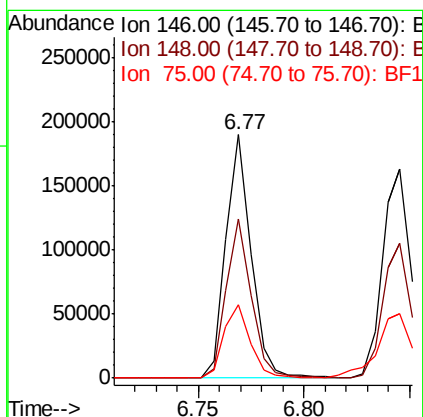
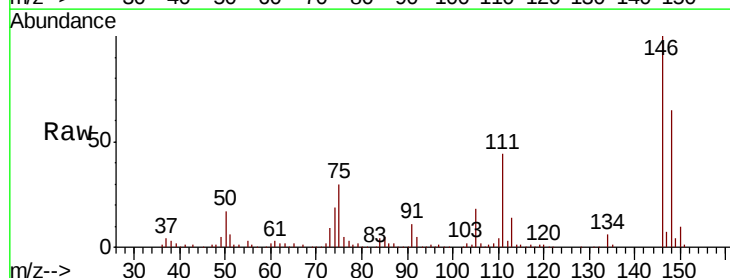
Instrument :
BNA_F
ClientSampleId :

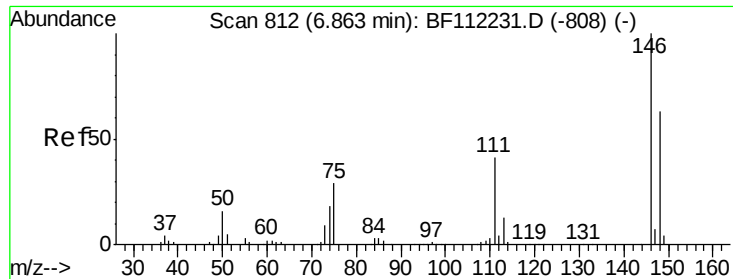
Tot Ion: 93 Resp: 132650
Ion Ratio Lower Upper
93 100
63 67.6 53.3 93.3
95 31.5 13.4 53.4



#12
1,3-Dichlorobenzene
Concen: 29.746 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

Tgt Ion: 146 Resp: 157495
Ion Ratio Lower Upper
146 100
148 65.2 51.8 77.8
75 30.2 23.1 34.7

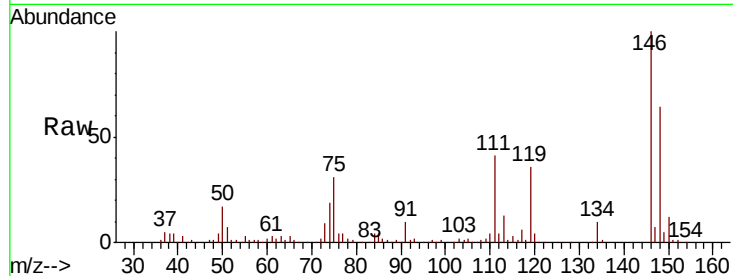




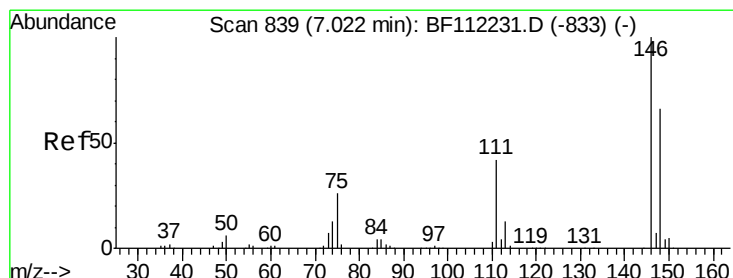
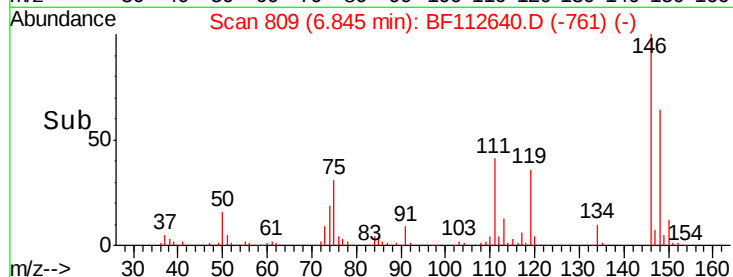
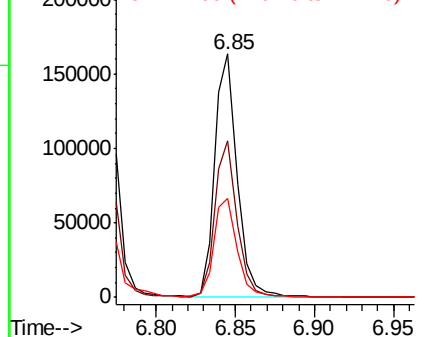
#13
 1,4-Dichlorobenzene
 Concen: 29.633 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.02 min
 Lab File: BF112640.D
 Acq: 20 Feb 2019 14:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 161472
 Ion Ratio Lower Upper
 146 100
 148 64.5 52.0 78.0
 111 40.7 31.2 46.8

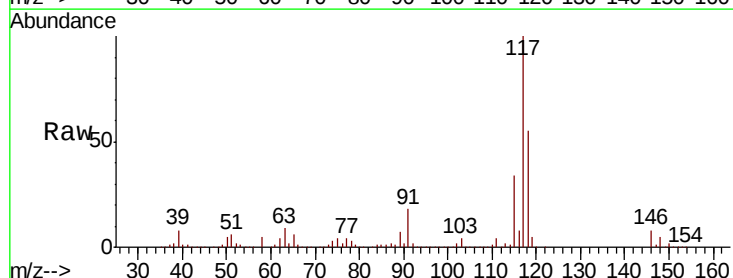


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

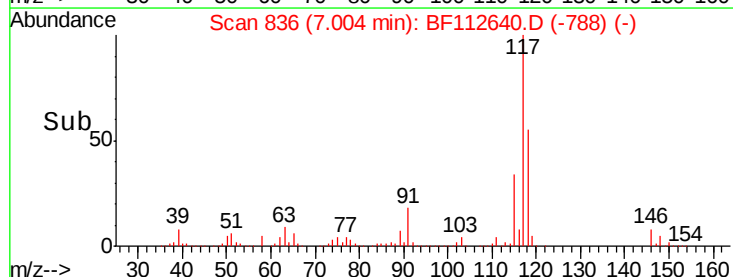
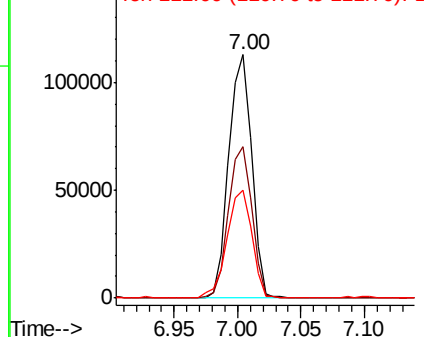


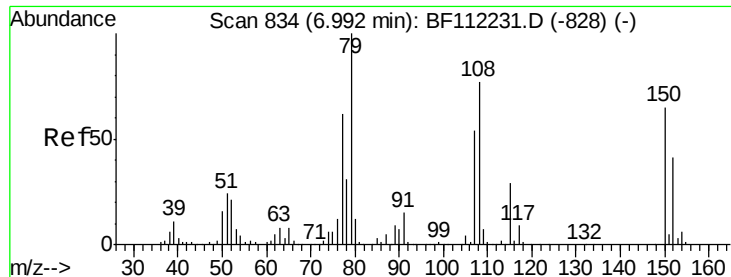
#14
 1,2-Dichlorobenzene
 Concen: 27.815 ng
 RT: 7.00 min Scan# 836
 Delta R.T. -0.02 min
 Lab File: BF112640.D
 Acq: 20 Feb 2019 14:25

Tgt Ion:146 Resp: 141908
 Ion Ratio Lower Upper
 146 100
 148 62.2 52.2 78.4
 111 44.4 31.2 46.8



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 21.639 ng

RT: 6.97 min Scan# 831

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :
BNA_F
ClientSampled :

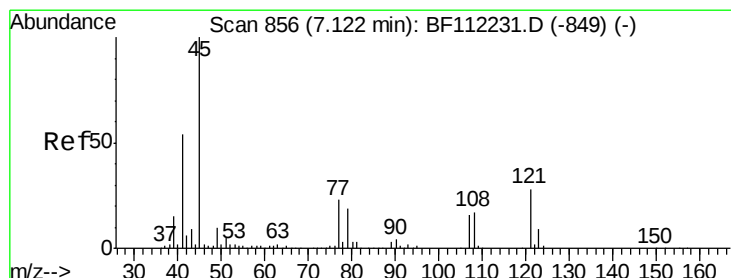
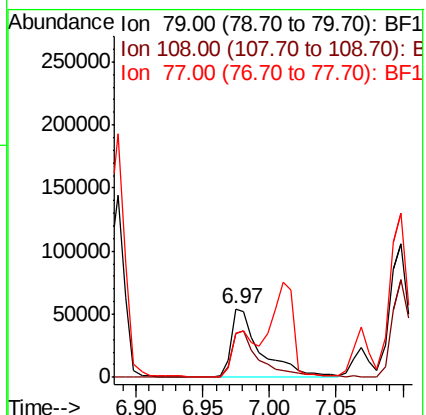
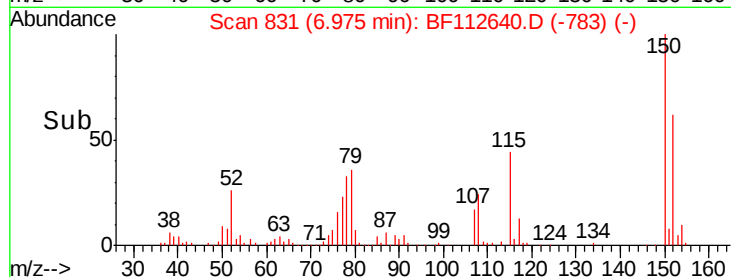
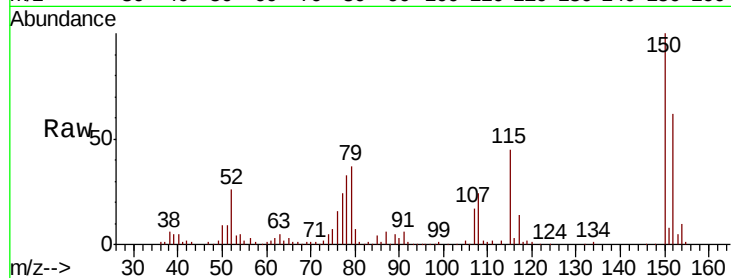
Tot Ion: 79 Resp: 85660

Ion Ratio Lower Upper

79 100

108 64.5 64.2 96.2

77 64.5 50.3 75.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 29.993 ng

RT: 7.10 min Scan# 852

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

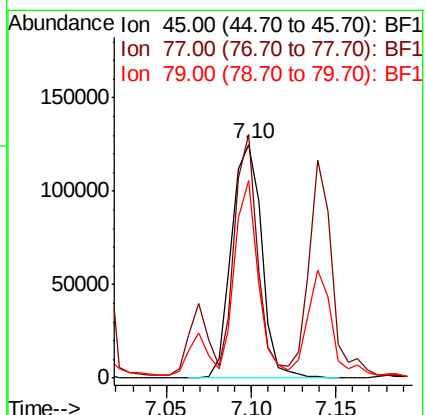
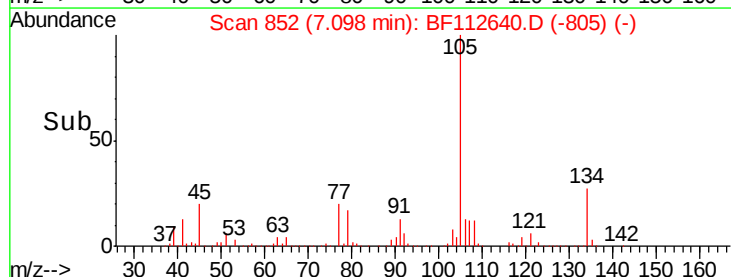
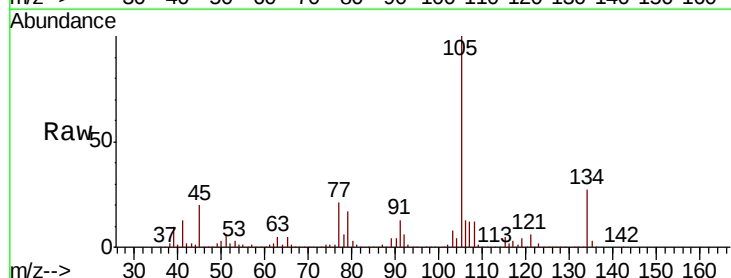
Tgt Ion: 45 Resp: 156202

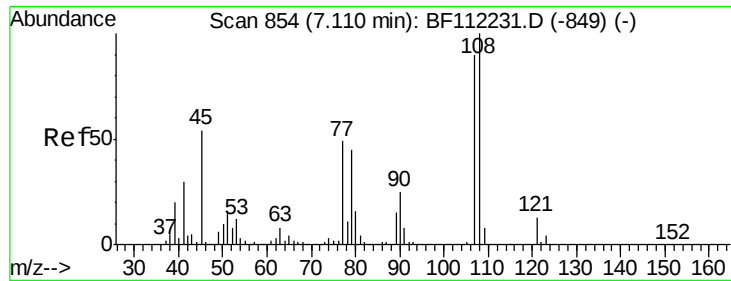
Ion Ratio Lower Upper

45 100

77 104.2 0.0 36.9#

79 84.7 0.0 34.0#





#17

2-Methylphenol

Concen: 21.384 ng

RT: 7.10 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF112640.D

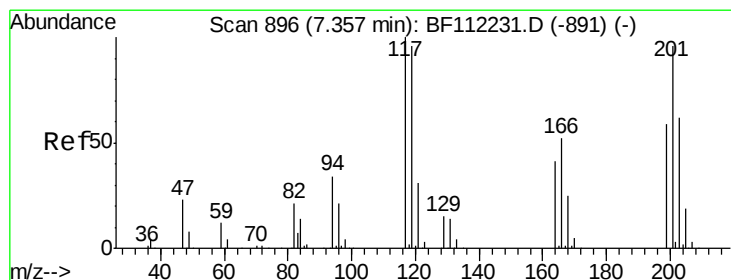
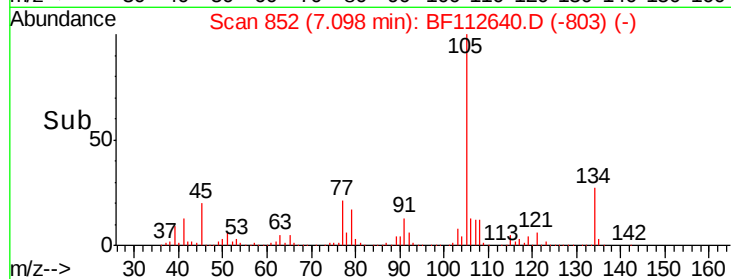
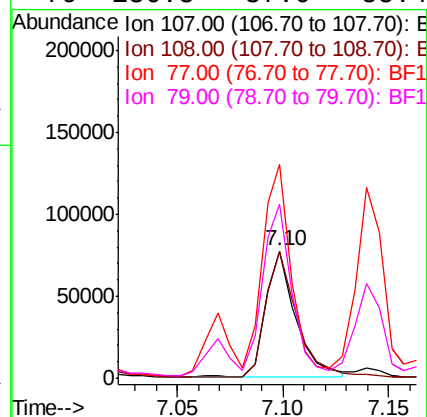
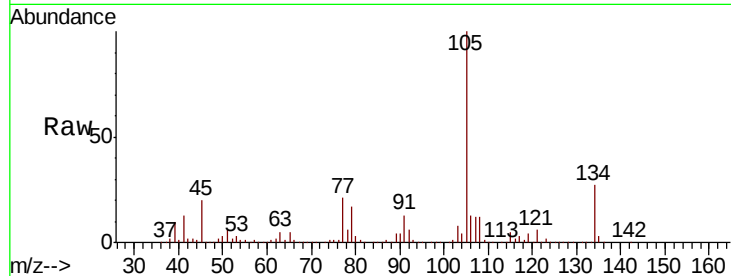
Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	107	Resp:	77070
Ion	Ratio	Lower	Upper
107	100		
108	99.5	91.3	136.9
77	168.4	39.0	58.6#
79	136.8	37.0	55.4#



#18

Hexachloroethane

Concen: 176.235 ng

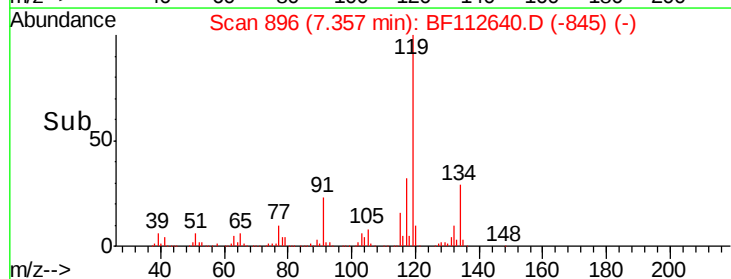
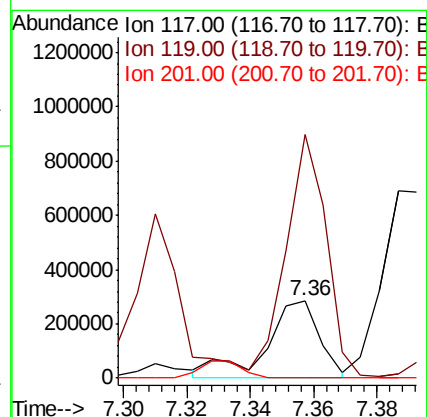
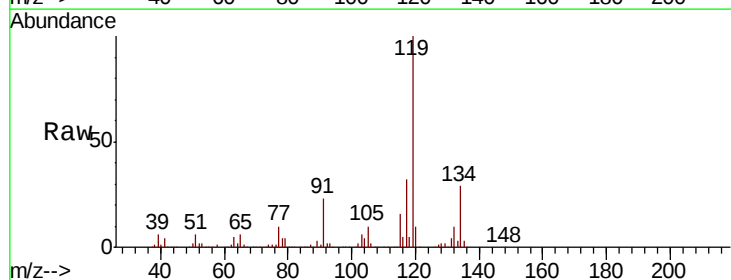
RT: 7.36 min Scan# 896

Delta R.T. 0.00 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Tgt Ion:	117	Resp:	337226
Ion	Ratio	Lower	Upper
117	100		
119	315.0	77.0	115.4#
201	0.0	74.1	111.1#

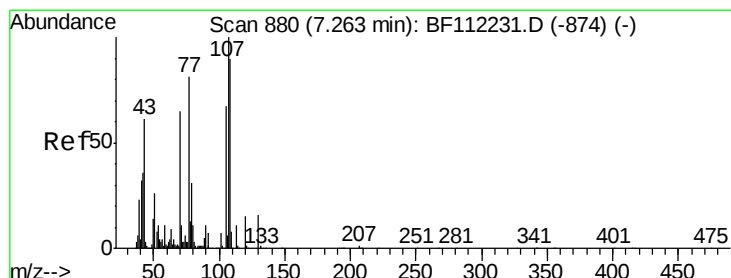
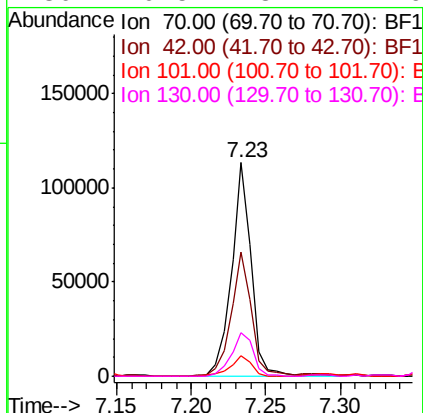
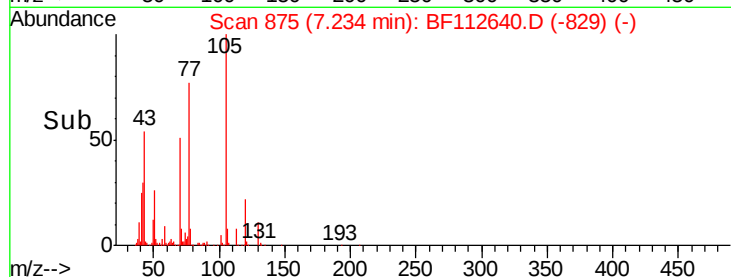
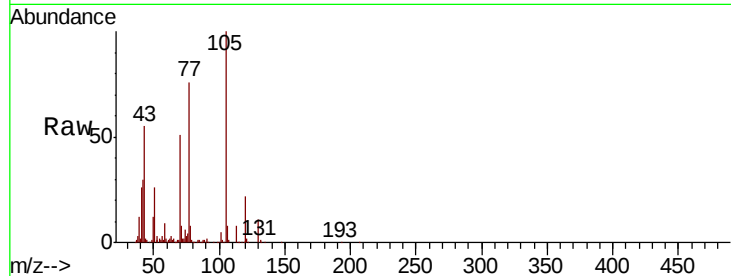




#19
n-Nitroso-di-n-propylamine
Concen: 32.754 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.03 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

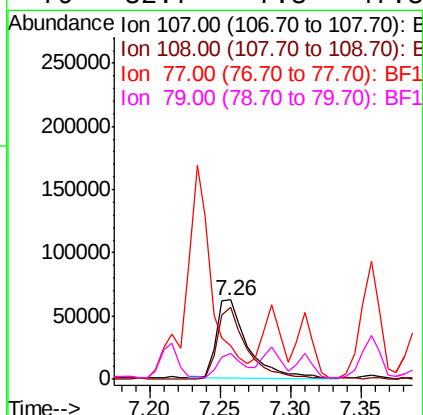
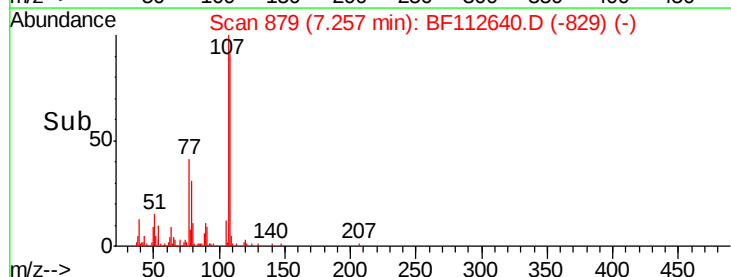
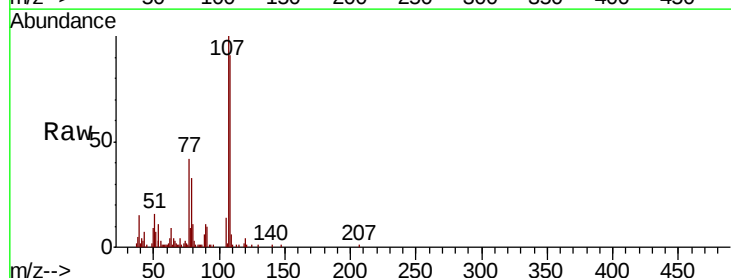
Instrument :
BNA_F
ClientSampleId :

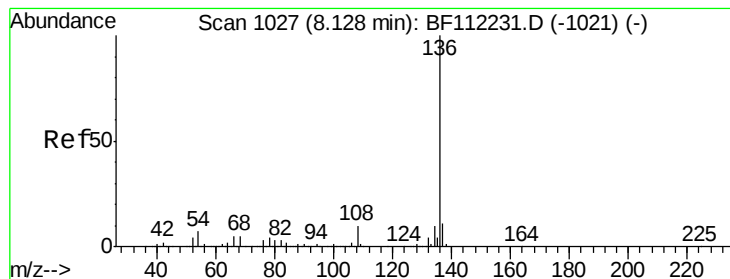
Tot Ion	Ratio	Lower	Upper
70	100		
42	58.2	47.6	71.4
101	9.8	7.9	11.9
130	20.5	18.4	27.6



#20
3+4-Methylphenols
Concen: 20.929 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.5	68.2	108.2
77	41.7	100.7	140.7#
79	32.7	7.3	47.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 283822

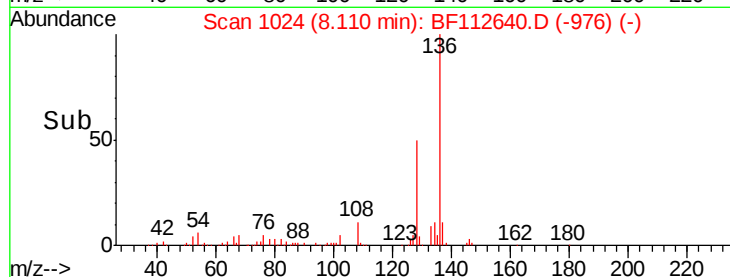
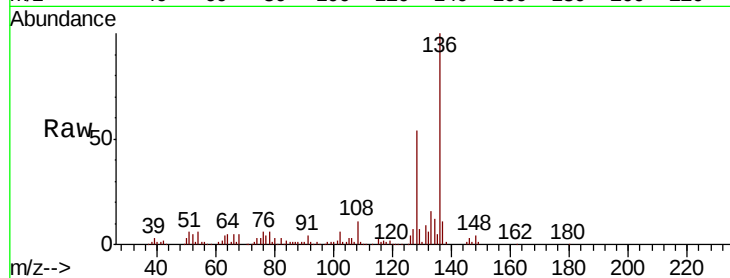
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 6.0 5.9 8.9

68 4.5 5.1 7.7#

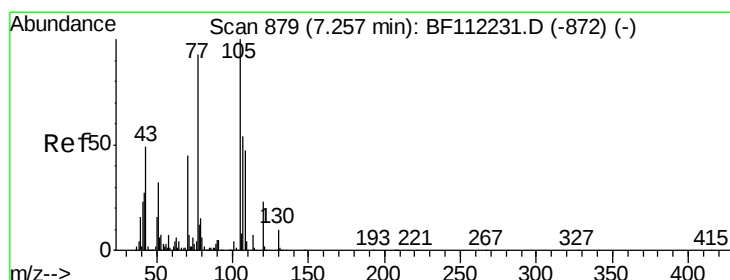
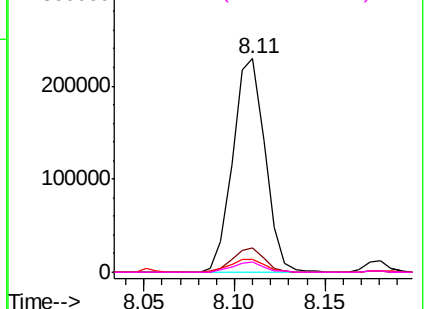


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 23.635 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Tgt Ion:105 Resp: 163347

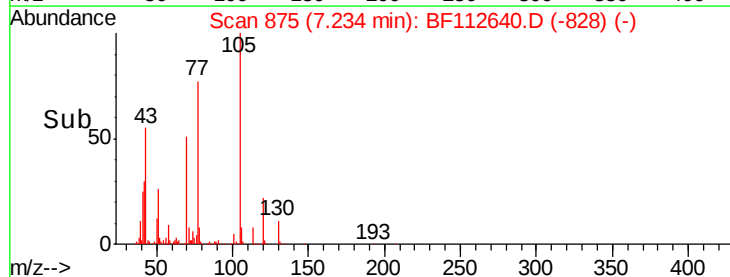
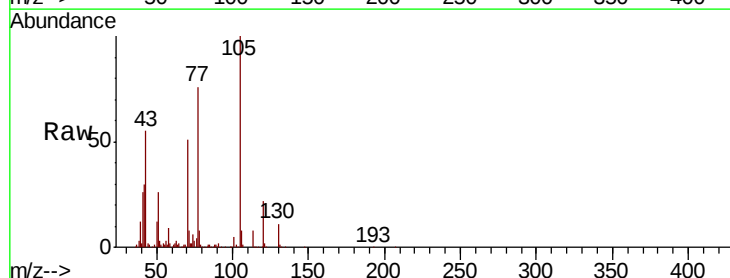
Ion Ratio Lower Upper

105 100

71 8.5 4.6 6.8#

51 25.9 25.0 37.6

120 22.0 19.0 28.4

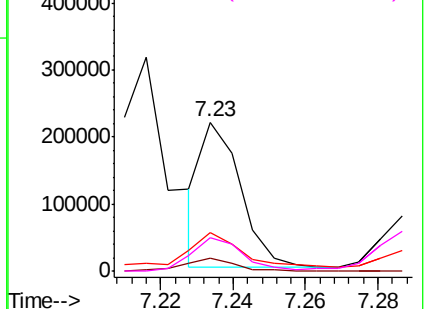


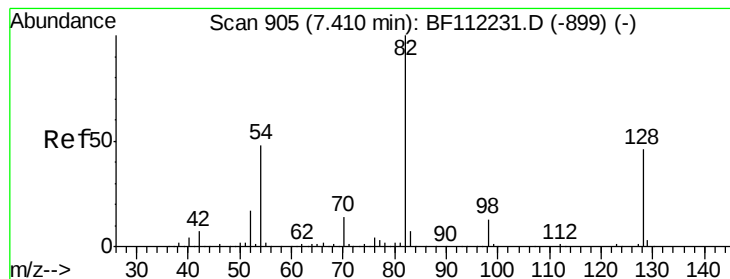
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 72.210 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampleId :

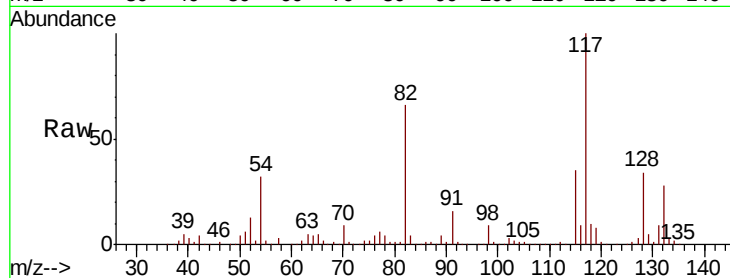
Tot Ion: 82 Resp: 355689

Ion Ratio Lower Upper

82 100

128 50.5 37.8 56.8

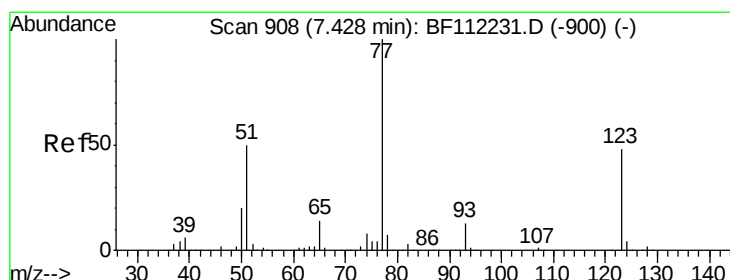
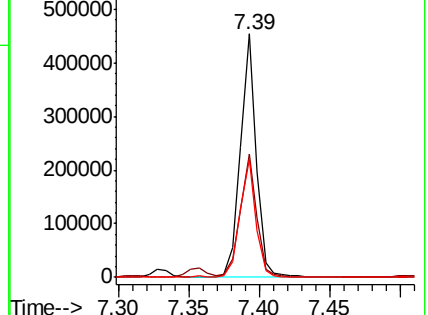
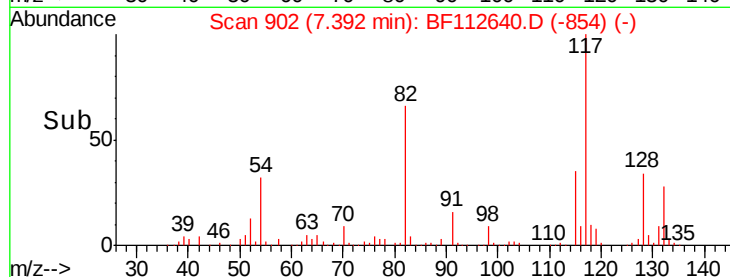
54 48.8 39.7 59.5



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 37.024 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

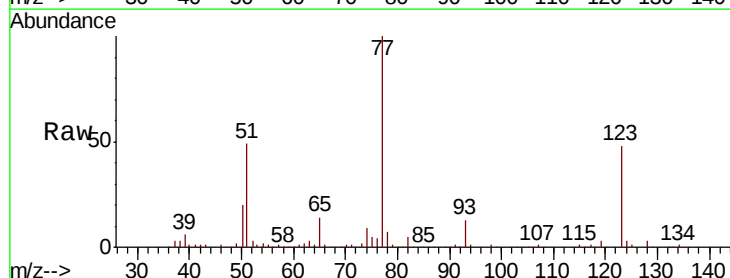
Tgt Ion: 77 Resp: 182138

Ion Ratio Lower Upper

77 100

123 48.0 38.4 57.6

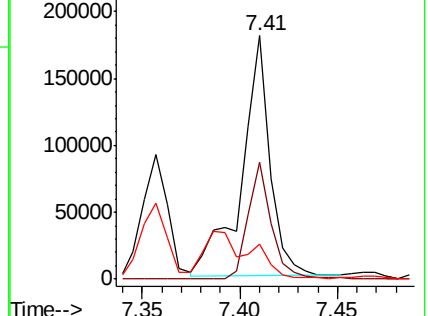
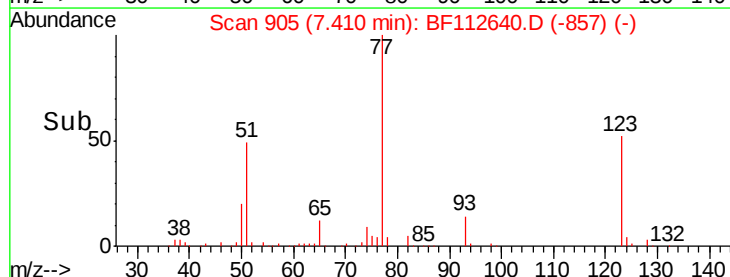
65 14.2 10.6 15.8

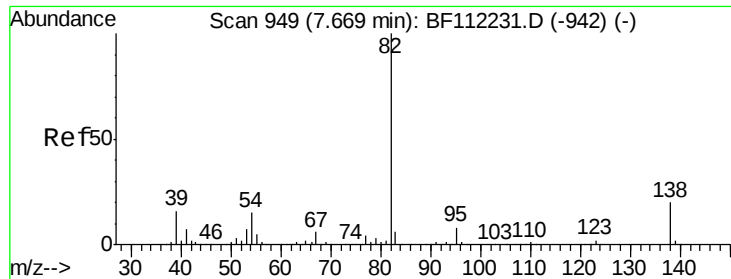


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 35.354 ng

RT: 7.65 min Scan# 945

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampleId :

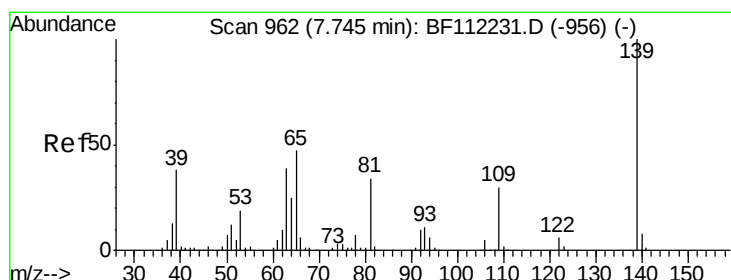
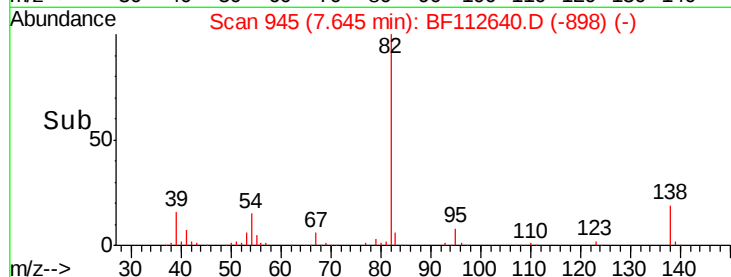
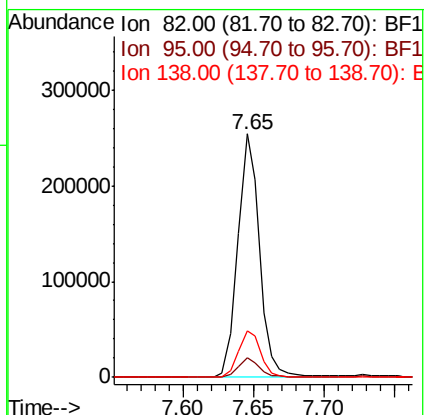
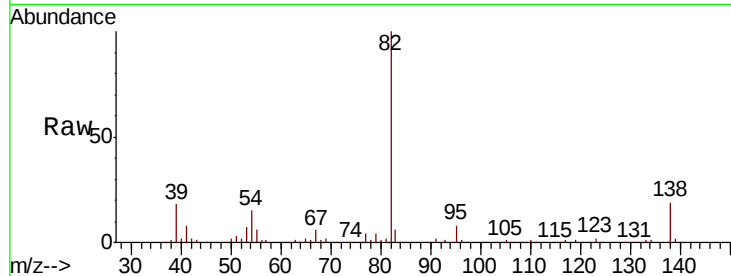
Tot Ion: 82 Resp: 273198

Ion Ratio Lower Upper

82 100

95 7.8 5.7 8.5

138 19.2 15.4 23.0



#26

2-Nitrophenol

Concen: 29.681 ng

RT: 7.73 min Scan# 959

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

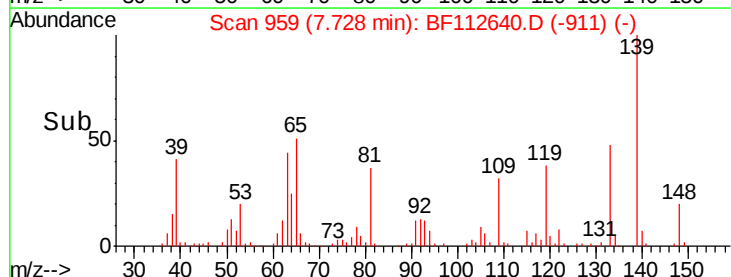
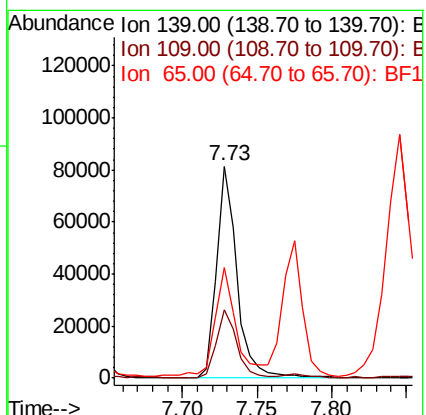
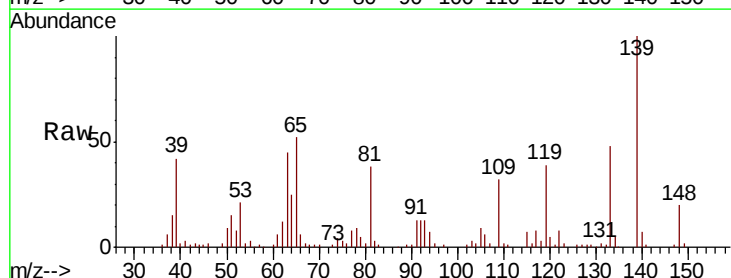
Tgt Ion: 139 Resp: 78032

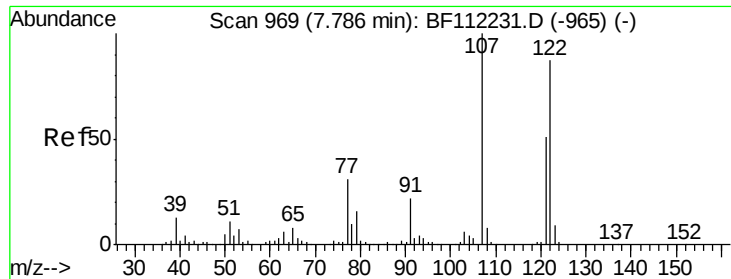
Ion Ratio Lower Upper

139 100

109 32.2 20.8 31.2#

65 52.4 34.4 51.6#

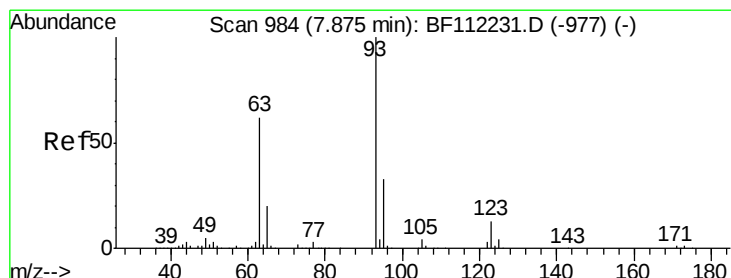
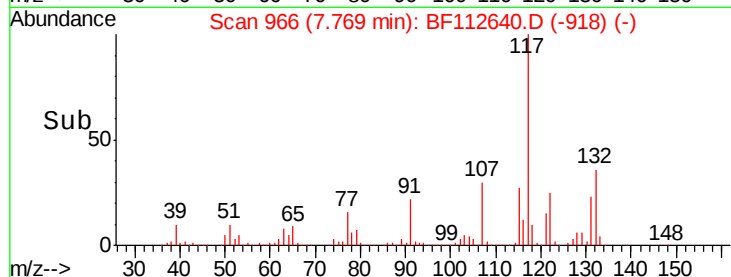
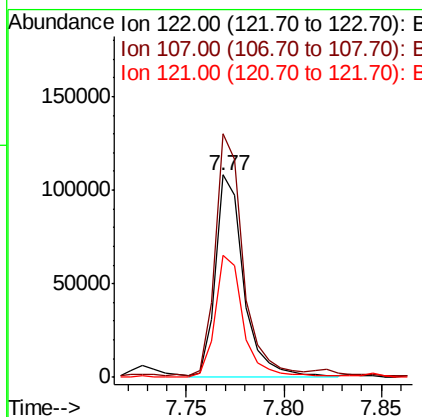
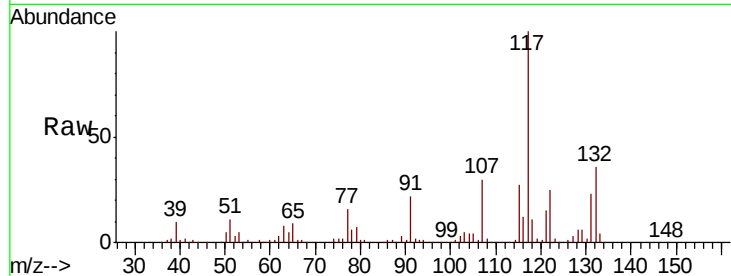




#27
2,4-Dimethylphenol
Concen: 29.726 ng
RT: 7.77 min Scan# 966
Delta R.T. -0.02 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

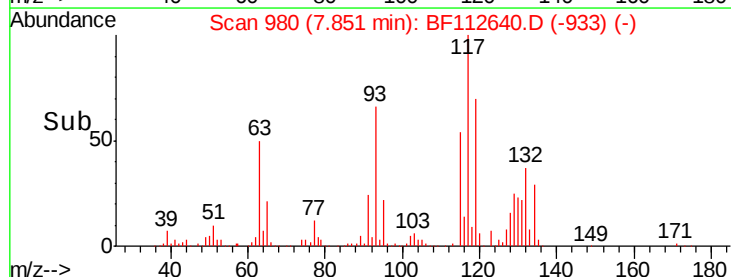
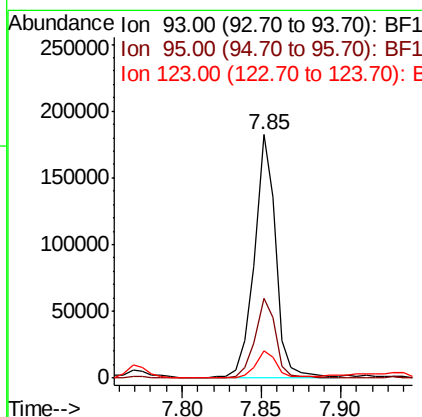
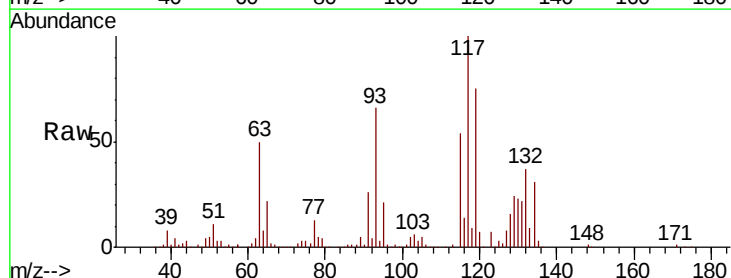
Instrument :
BNA_F
ClientSampleId :

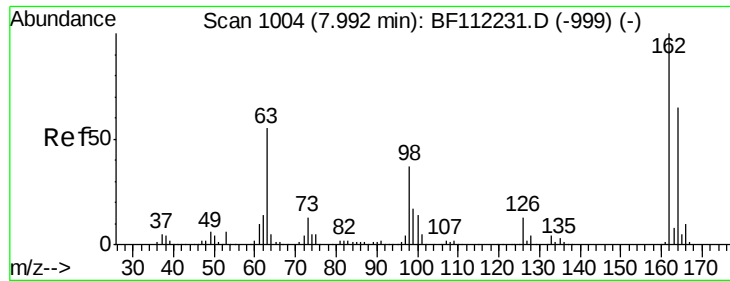
Tot Ion:122 Resp: 107671
Ion Ratio Lower Upper
122 100
107 120.4 85.4 128.0
121 60.2 47.0 70.4



#28
bis(2-Chloroethoxy)methane
Concen: 32.374 ng
RT: 7.85 min Scan# 980
Delta R.T. -0.02 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

Tgt Ion: 93 Resp: 170344
Ion Ratio Lower Upper
93 100
95 32.6 26.8 40.2
123 11.0 10.2 15.2

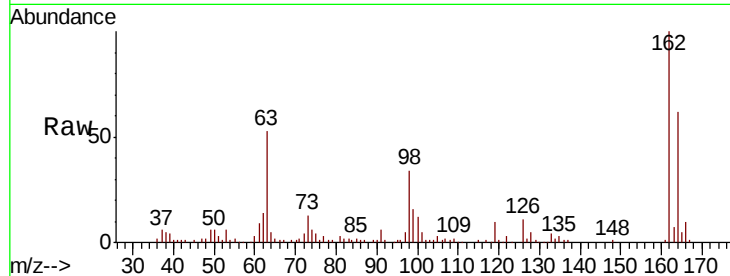




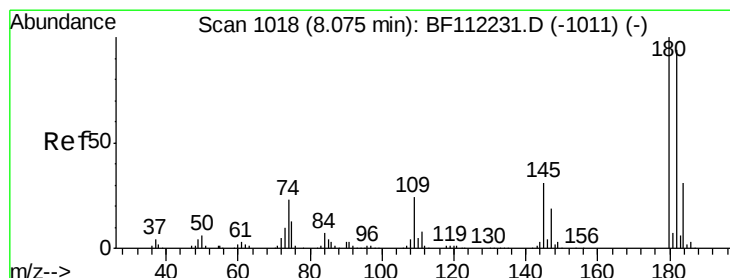
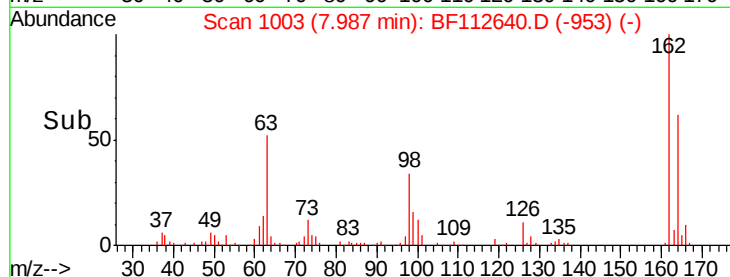
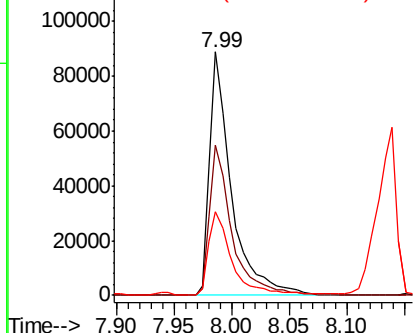
#29
2,4-Dichlorophenol
Concen: 29.007 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:162 Resp: 117580
Ion Ratio Lower Upper
162 100
164 61.6 44.6 84.6
98 34.2 14.6 54.6

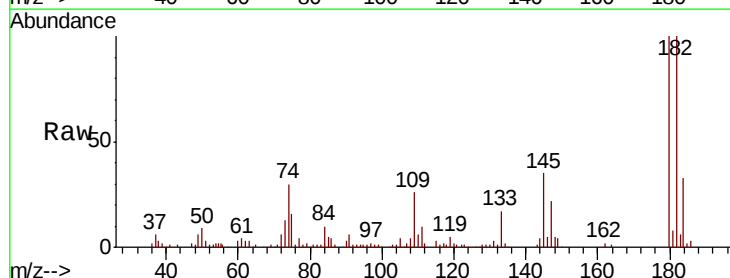


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

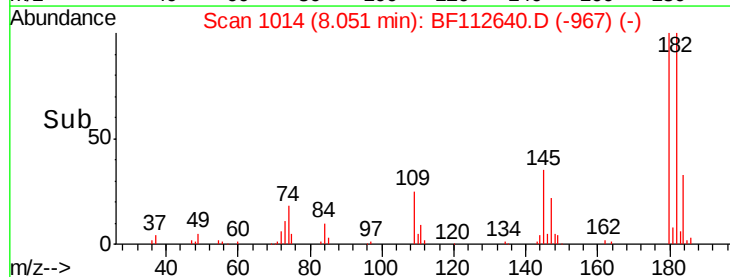
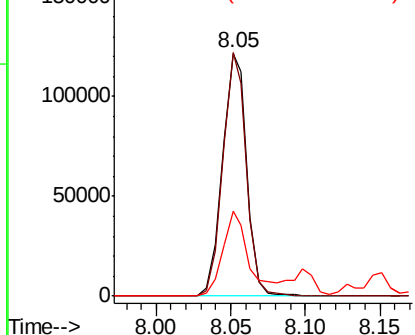


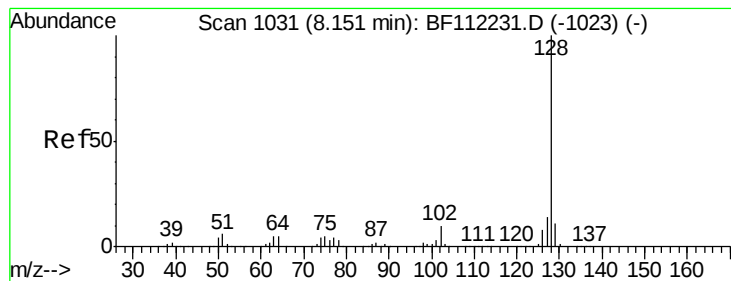
#30
1,2,4-Trichlorobenzene
Concen: 29.862 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

Tgt Ion:180 Resp: 139138
Ion Ratio Lower Upper
180 100
182 100.4 76.4 114.6
145 34.8 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: 301.622 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampleId :

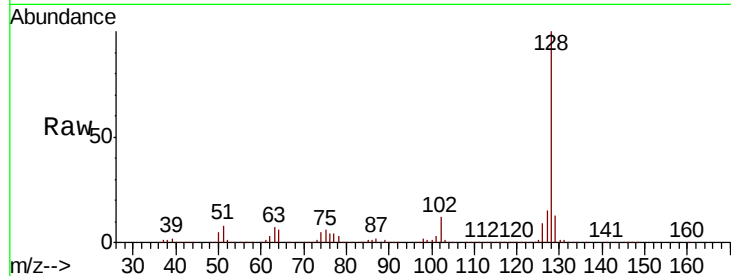
Tot Ion:128 Resp: 4003351

Ion Ratio Lower Upper

128 100

129 12.6 9.6 14.4

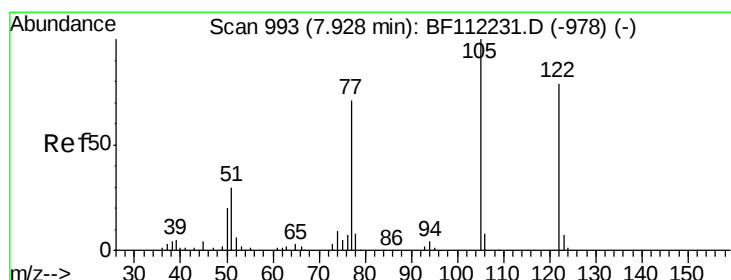
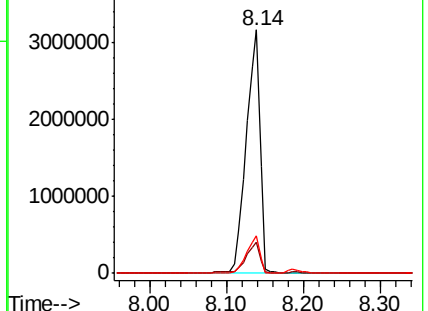
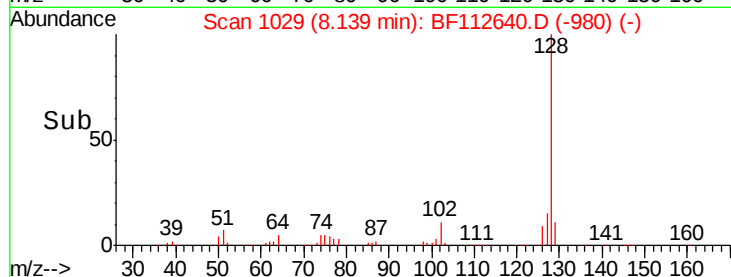
127 15.4 11.1 16.7



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: 3.442 ng

RT: 7.73 min Scan# 959

Delta R.T. -0.20 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

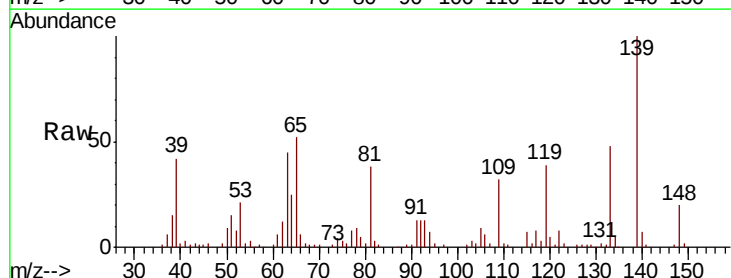
Tgt Ion:122 Resp: 7112

Ion Ratio Lower Upper

122 100

105 119.3 101.2 141.2

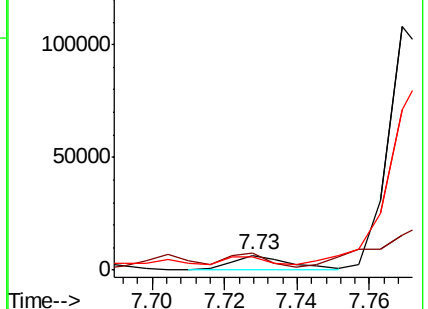
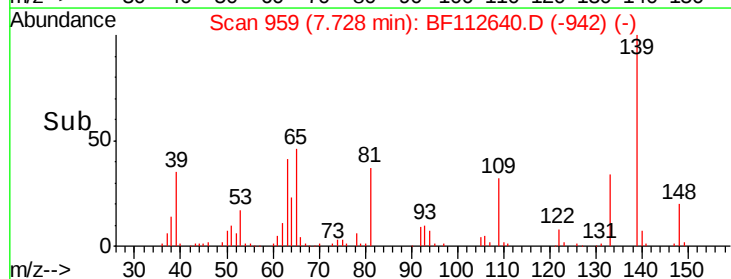
77 94.7 70.4 110.4

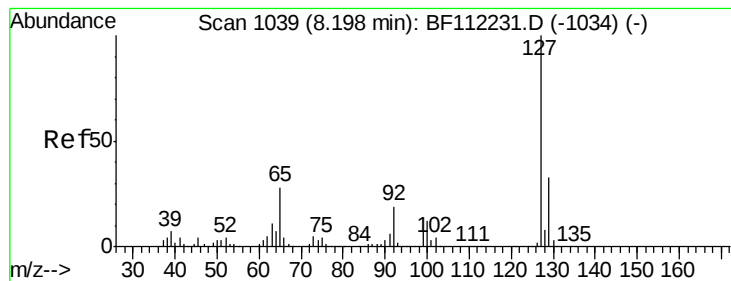


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 13.135 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:127 Resp: 75911

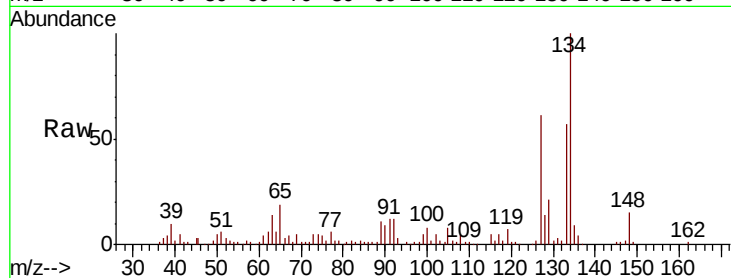
Ion Ratio Lower Upper

127 100

129 33.6 26.6 39.8

65 30.6 21.4 32.2

92 19.6 14.2 21.2

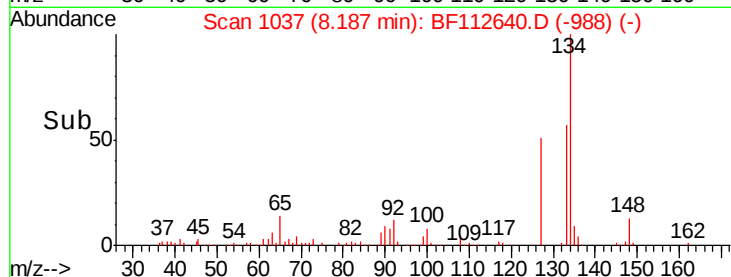


Abundance Ion 127.00 (126.70 to 127.70): E

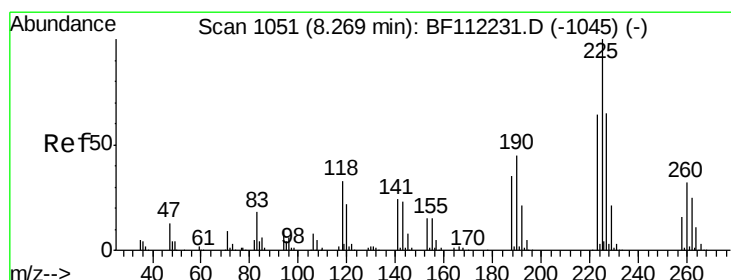
Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



Time-->



#34

Hexachlorobutadiene

Concen: 29.740 ng

RT: 8.24 min Scan# 1046

Delta R.T. -0.03 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

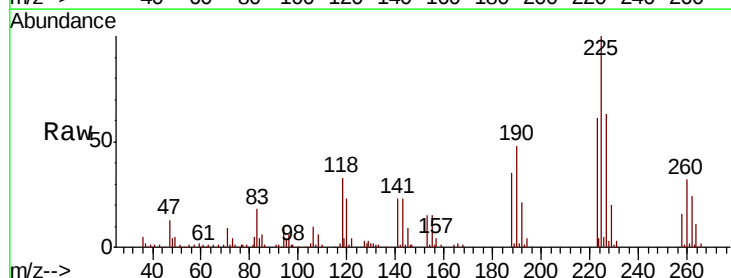
Tgt Ion:225 Resp: 81315

Ion Ratio Lower Upper

225 100

223 61.2 50.3 75.5

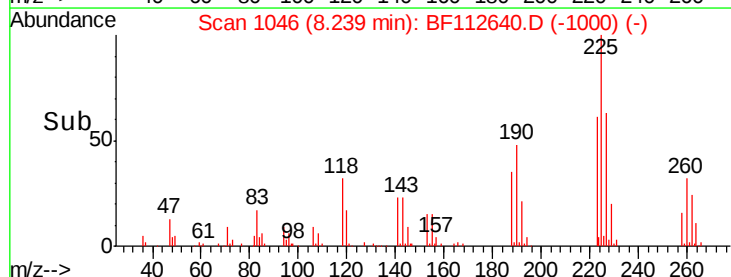
227 63.5 51.8 77.8



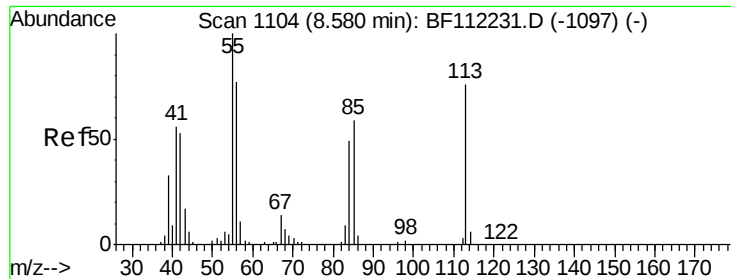
Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



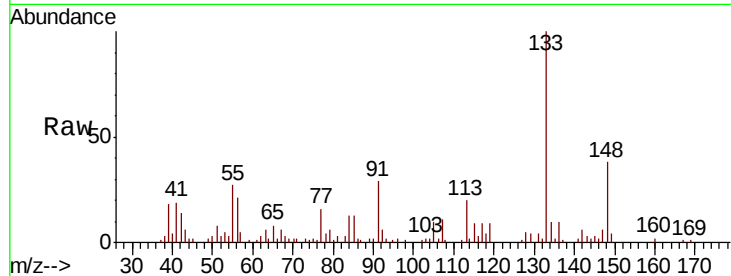
Time-->



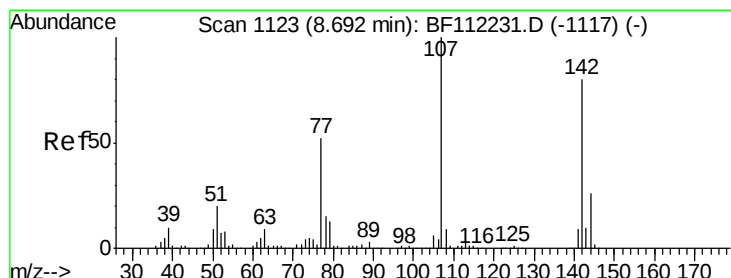
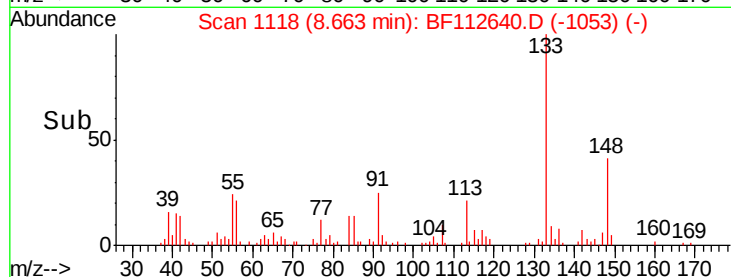
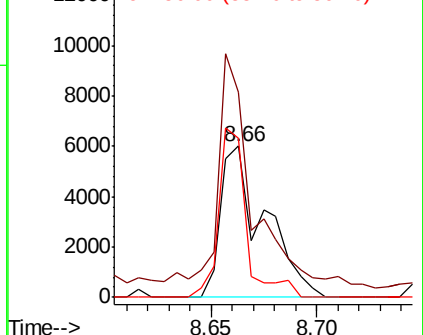
#35
 Caprolactam
 Concen: 5.984 ng
 RT: 8.66 min Scan# 1118
 Delta R.T. 0.08 min
 Lab File: BF112640.D
 Acq: 20 Feb 2019 14:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:113 Resp: 8557
 Ion Ratio Lower Upper
 113 100
 55 136.2 121.6 161.6
 56 105.0 86.7 126.7

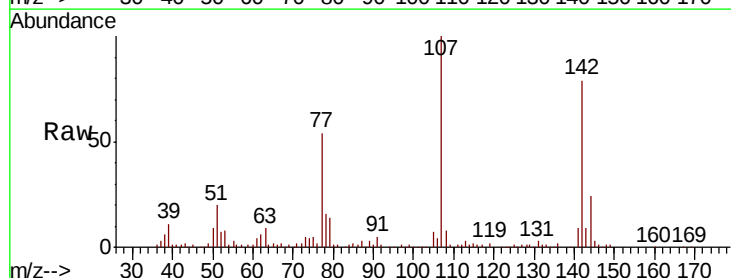


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

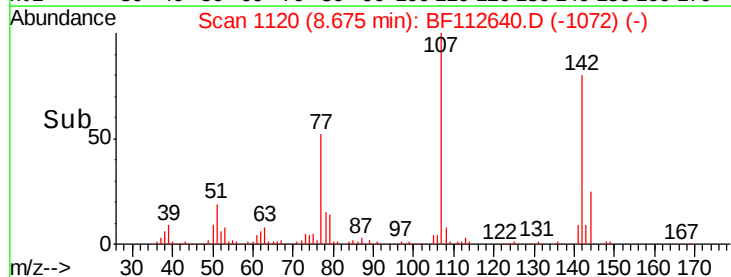
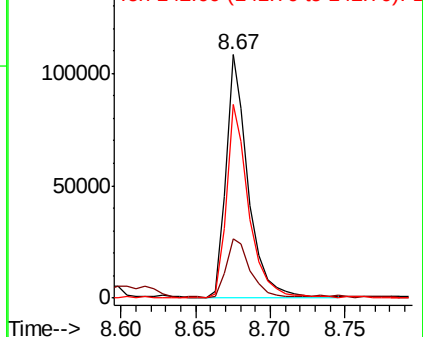


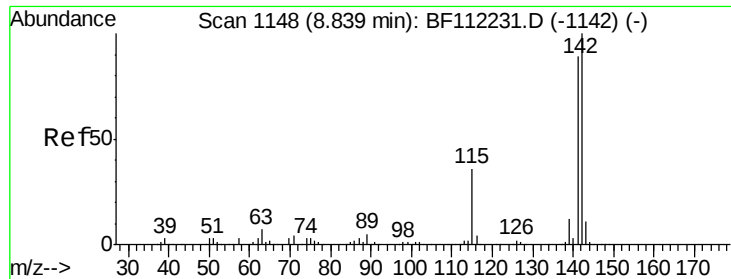
#36
 4-Chloro-3-methylphenol
 Concen: 26.281 ng
 RT: 8.67 min Scan# 1120
 Delta R.T. -0.02 min
 Lab File: BF112640.D
 Acq: 20 Feb 2019 14:25

Tgt Ion:107 Resp: 112773
 Ion Ratio Lower Upper
 107 100
 144 24.5 22.2 33.2
 142 79.4 67.7 101.5



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

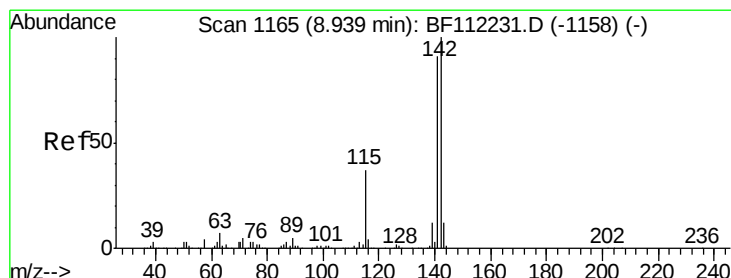
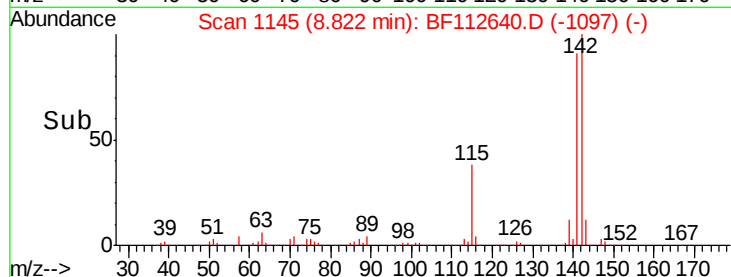
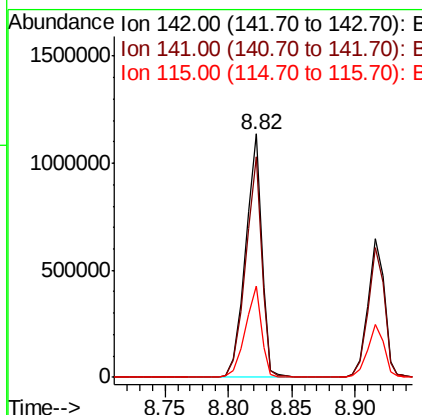
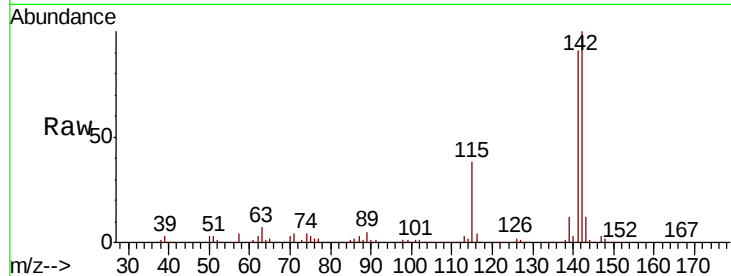




#37
2-Methylnaphthalene
Concen: 110.617 ng
RT: 8.82 min Scan# 1145
Delta R.T. -0.02 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

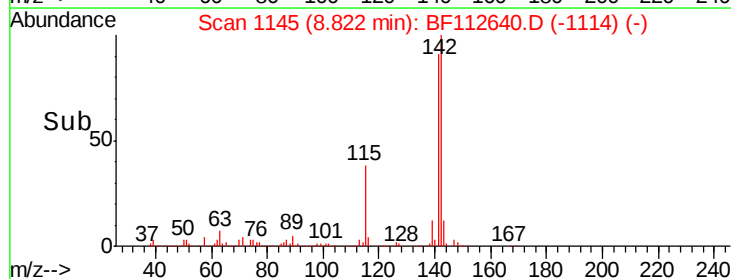
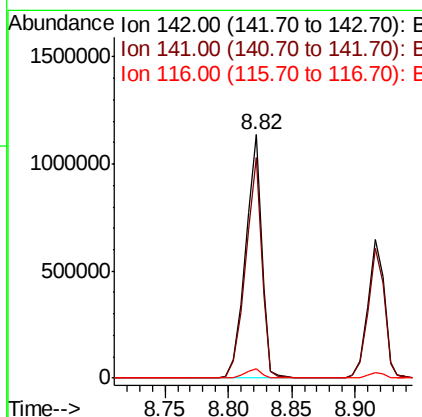
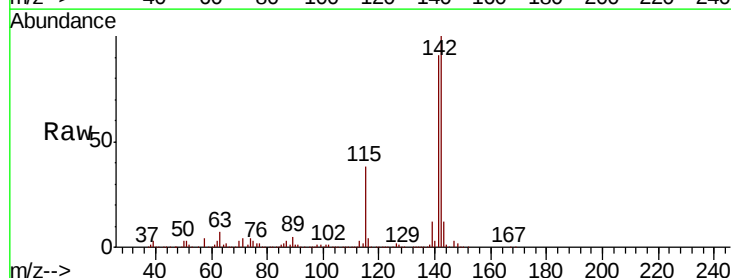
Instrument :
BNA_F
ClientSampleId :

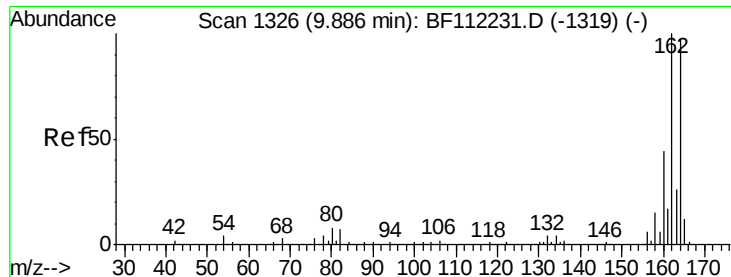
Tot Ion:142 Resp: 1005092
Ion Ratio Lower Upper
142 100
141 90.6 70.9 106.3
115 37.7 24.9 37.3#



#38
1-Methylnaphthalene
Concen: 115.408 ng
RT: 8.82 min Scan# 1145
Delta R.T. -0.12 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

Tgt Ion:142 Resp: 1005092
Ion Ratio Lower Upper
142 100
141 90.6 72.6 108.8
116 3.9 2.8 4.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.03 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampleId :

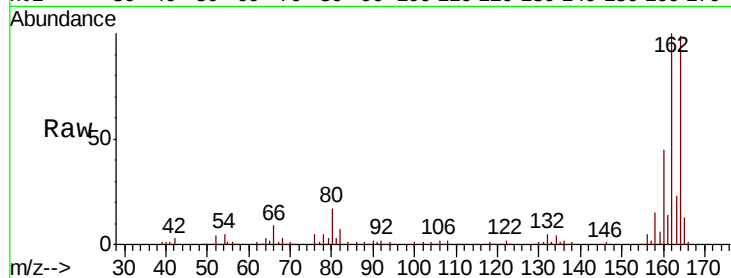
Tot Ion:164 Resp: 142432

Ion Ratio Lower Upper

164 100

162 101.3 82.2 123.4

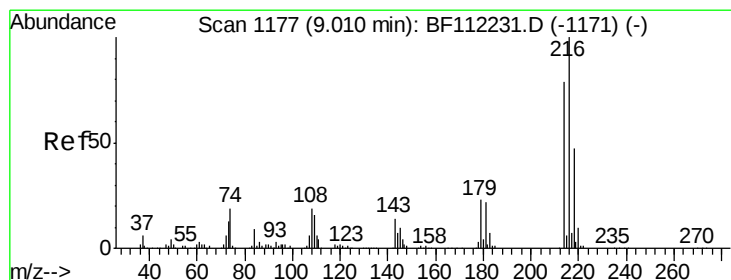
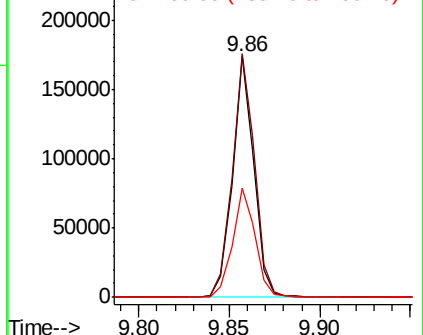
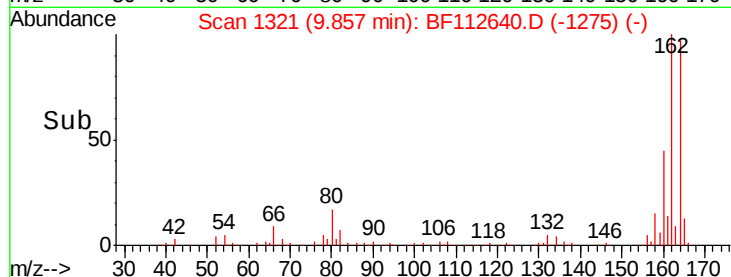
160 45.2 36.2 54.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 30.145 ng

RT: 8.99 min Scan# 1173

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Tgt Ion:216 Resp: 140975

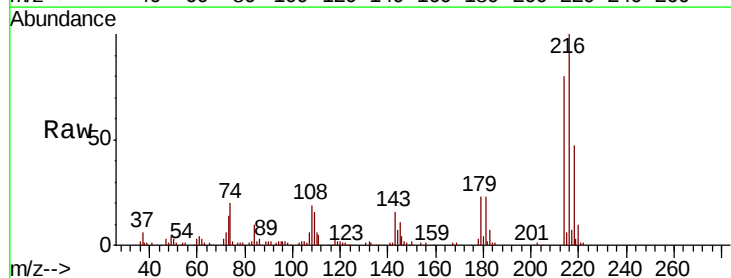
Ion Ratio Lower Upper

216 100

214 79.2 63.8 95.6

179 22.4 16.9 25.3

108 20.0 14.2 21.4

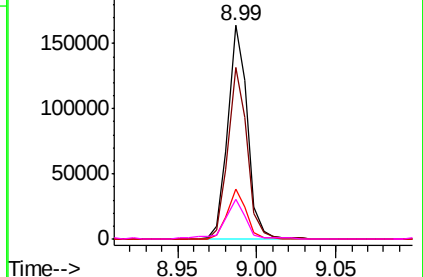
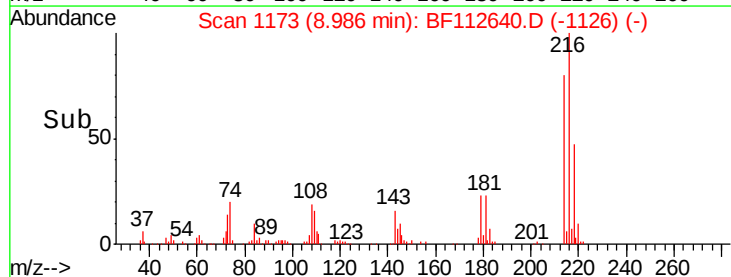


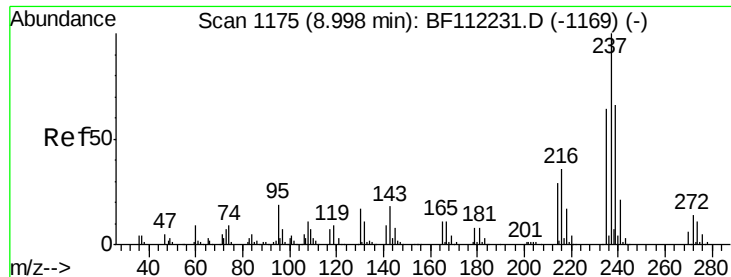
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 32.873 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.03 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampleId :

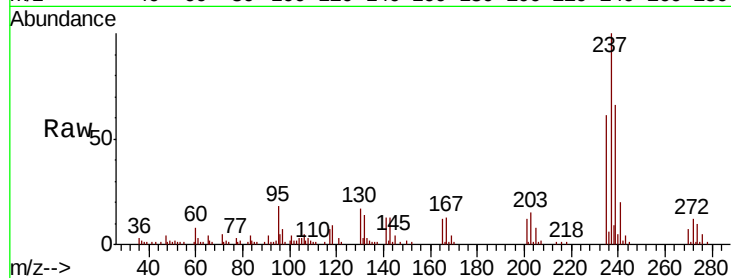
Tot Ion:237 Resp: 47002

Ion Ratio Lower Upper

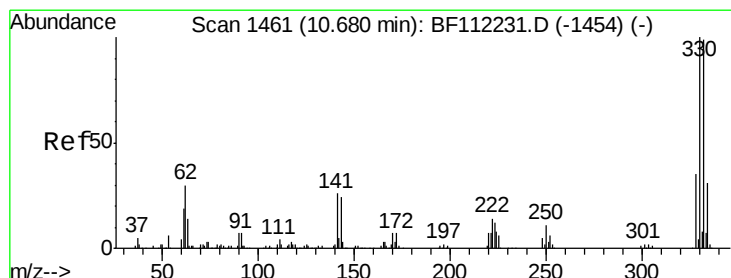
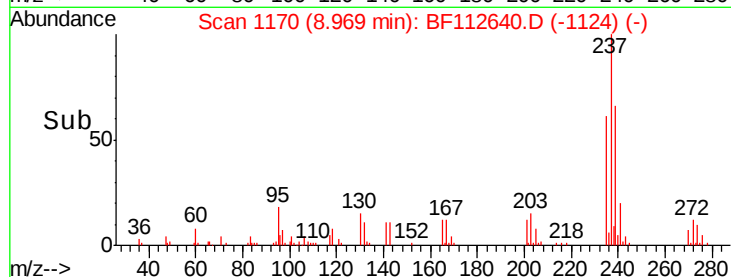
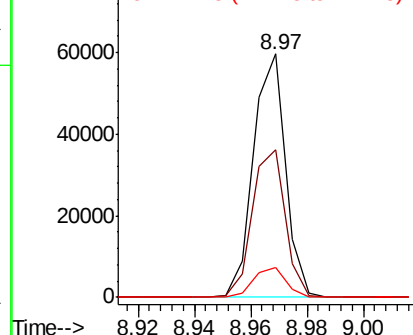
237 100

235 60.8 44.0 84.0

272 12.4 0.0 33.3



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



#42

2,4,6-Tribromophenol

Concen: 110.671 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

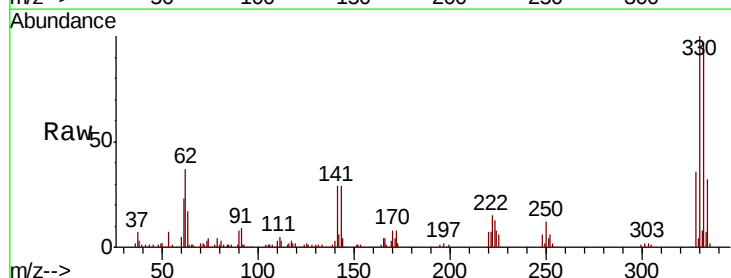
Tgt Ion:330 Resp: 183478

Ion Ratio Lower Upper

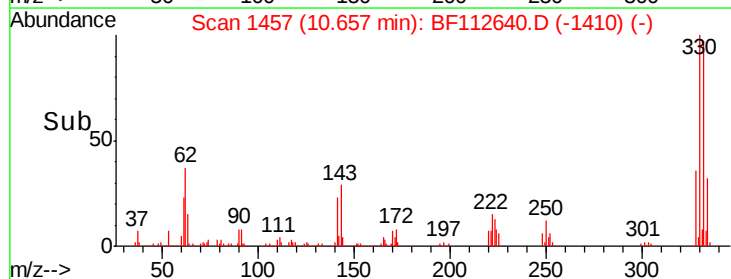
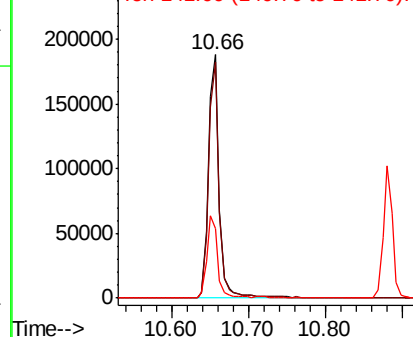
330 100

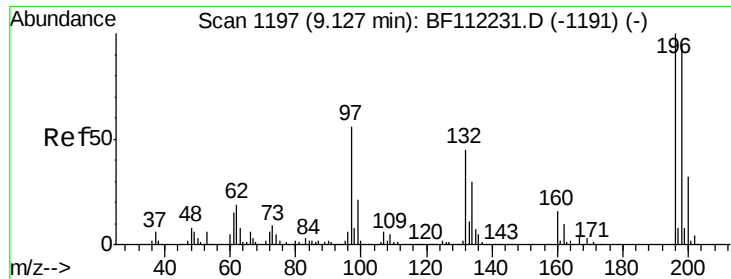
332 95.0 76.6 114.8

141 33.6 24.3 36.5



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

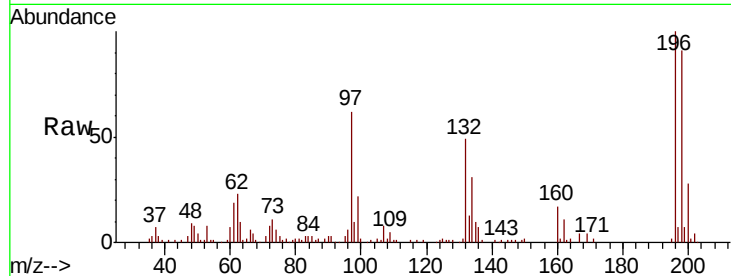




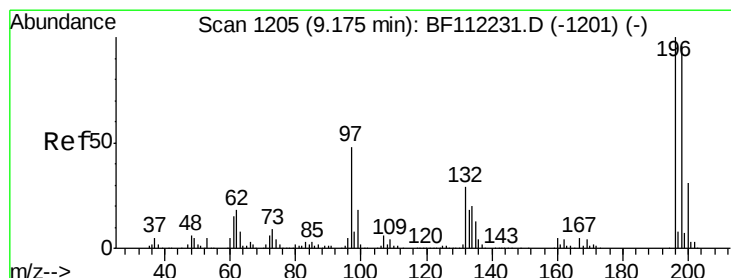
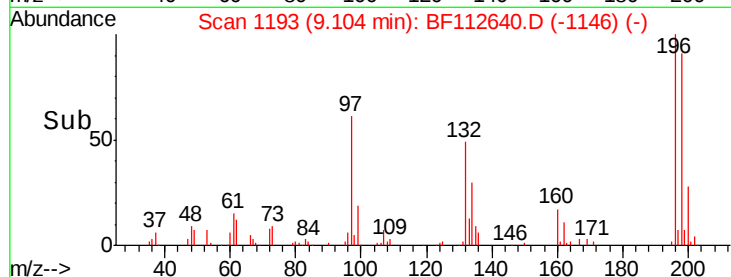
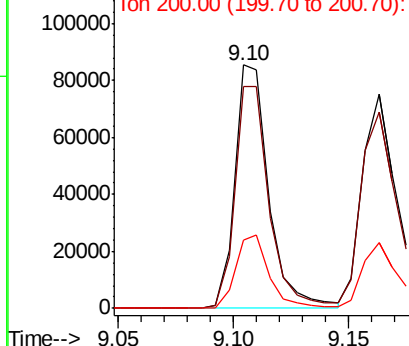
#43
 2,4,6-Trichlorophenol
 Concen: 30.408 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.02 min
 Lab File: BF112640.D
 Acq: 20 Feb 2019 14:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:196 Resp: 87655
 Ion Ratio Lower Upper
 196 100
 198 91.3 76.2 114.4
 200 27.9 24.3 36.5

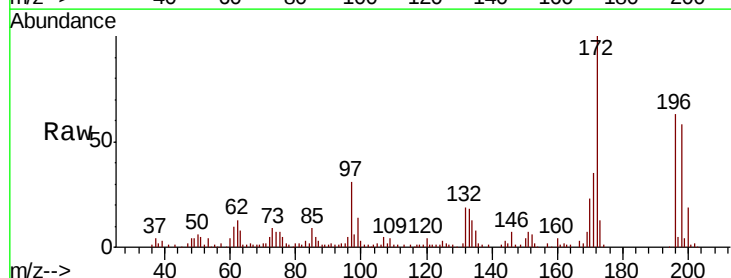


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

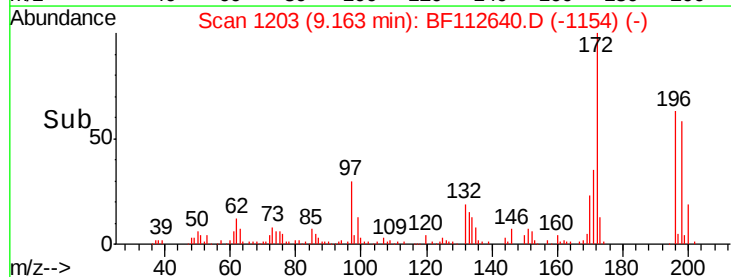
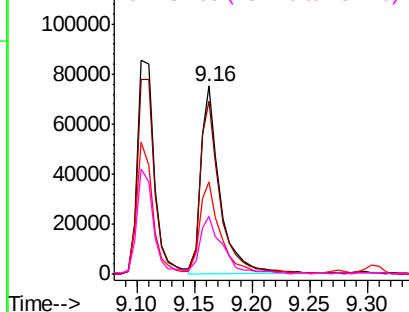


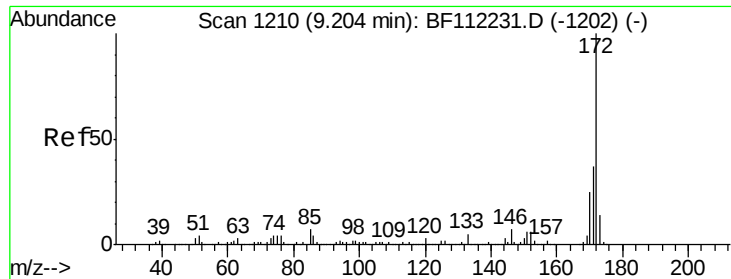
#44
 2,4,5-Trichlorophenol
 Concen: 29.129 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF112640.D
 Acq: 20 Feb 2019 14:25

Tgt Ion:196 Resp: 87758
 Ion Ratio Lower Upper
 196 100
 198 91.9 76.0 114.0
 97 48.9 36.4 54.6
 132 30.7 21.5 32.3



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

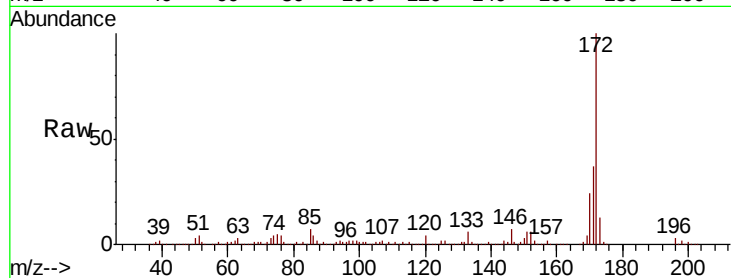




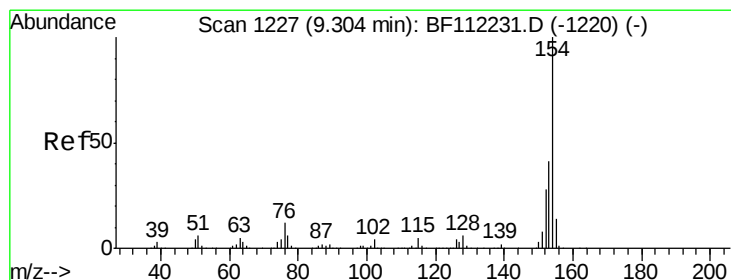
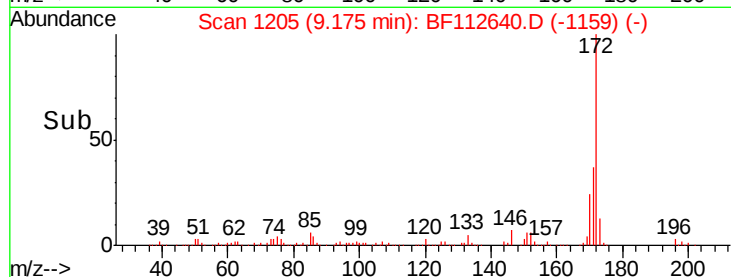
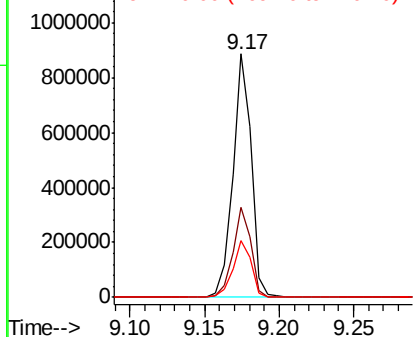
#45
2-Fluorobiphenyl
Concen: 76.928 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 774712
Ion Ratio Lower Upper
172 100
171 36.8 30.5 45.7
170 23.6 20.2 30.4

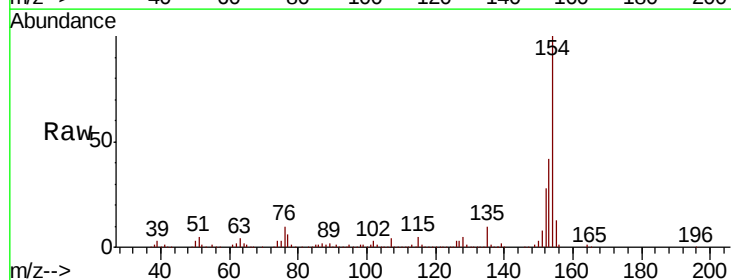


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

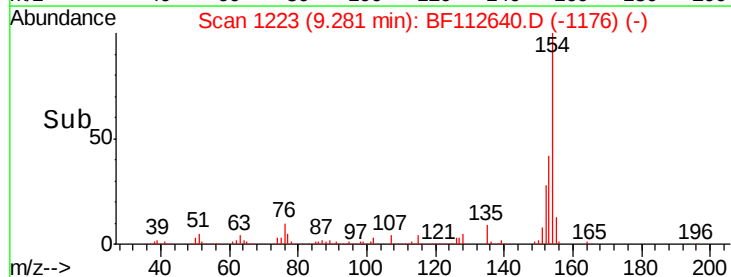
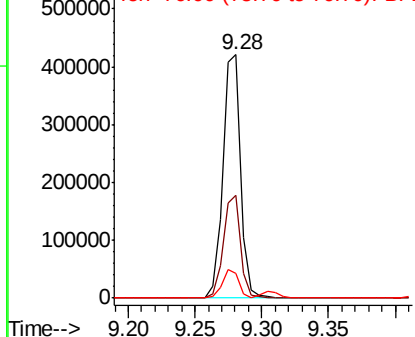


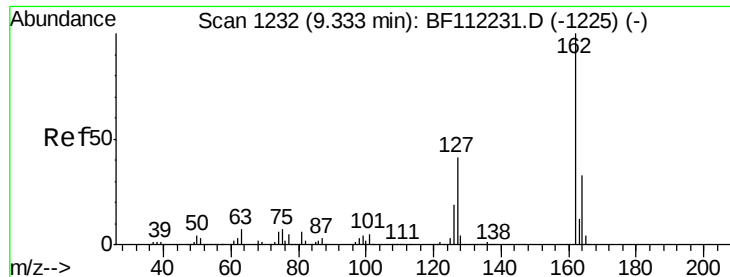
#46
1,1'-Biphenyl
Concen: 31.738 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.02 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

Tgt Ion:154 Resp: 395201
Ion Ratio Lower Upper
154 100
153 42.0 21.5 61.5
76 10.3 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

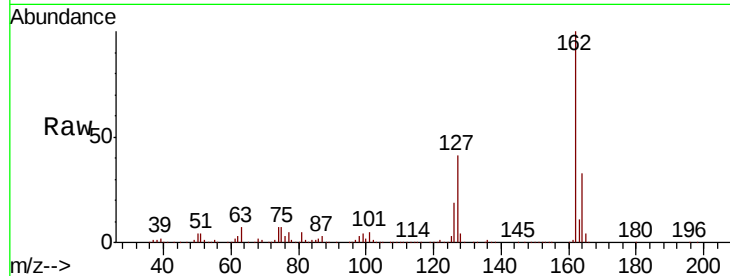




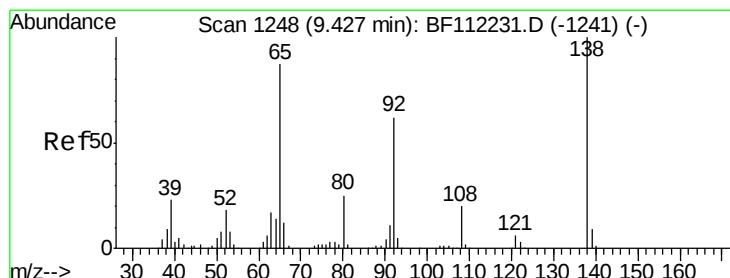
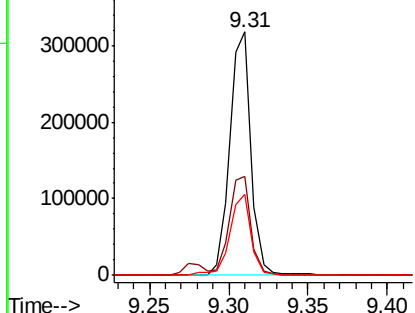
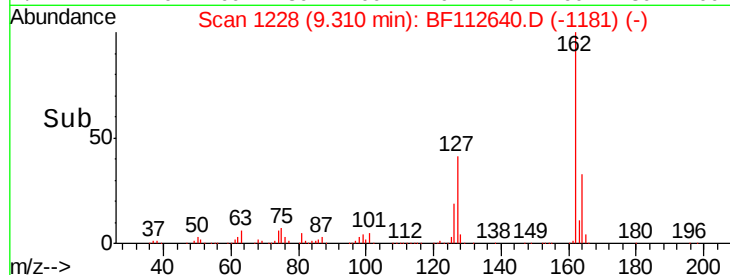
#47
 2-Chloronaphthalene
 Concen: 30.456 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.02 min
 Lab File: BF112640.D
 Acq: 20 Feb 2019 14:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.6	30.4	45.6
164	33.3	27.4	41.2

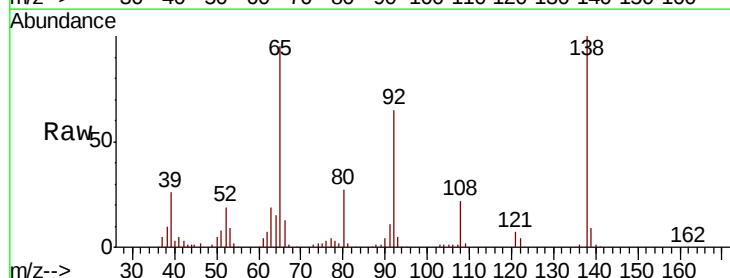


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

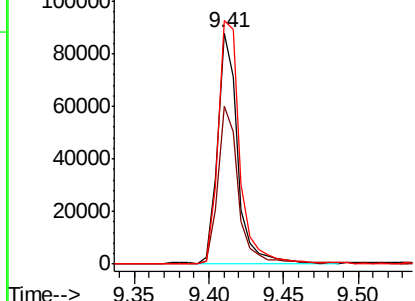
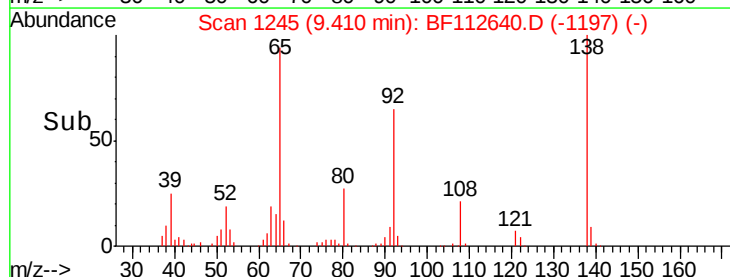


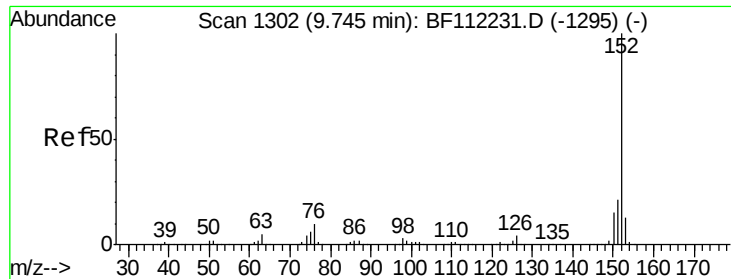
#48
 2-Nitroaniline
 Concen: 31.049 ng
 RT: 9.41 min Scan# 1245
 Delta R.T. -0.02 min
 Lab File: BF112640.D
 Acq: 20 Feb 2019 14:25

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.6	60.4	90.6
138	105.5	104.4	156.6



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 32.982 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampleId :

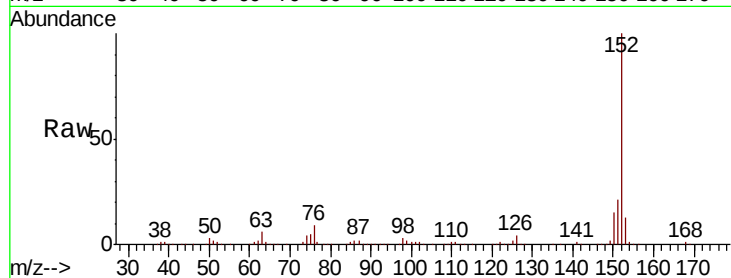
Tot Ion:152 Resp: 466788

Ion Ratio Lower Upper

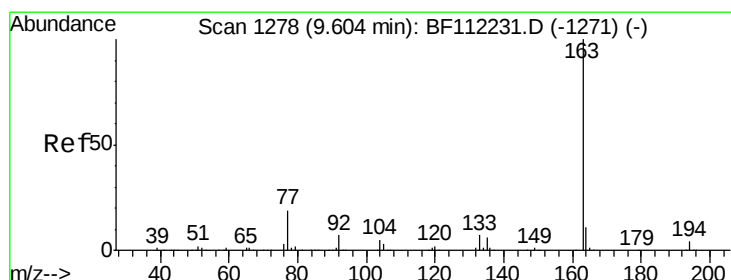
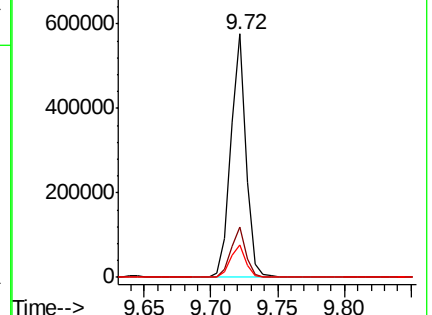
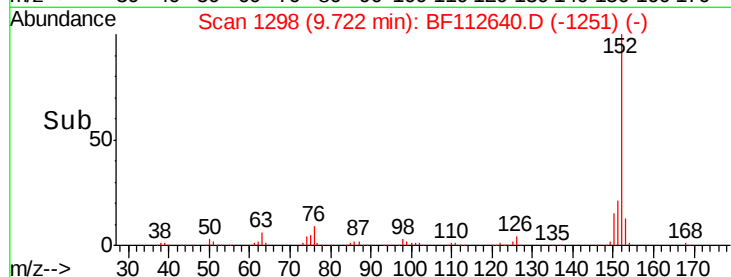
152 100

151 20.6 17.0 25.6

153 13.3 11.2 16.8



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



#50

Dimethylphthalate

Concen: 31.987 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.03 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

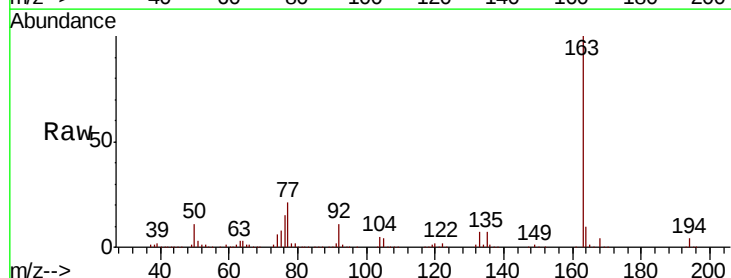
Tgt Ion:163 Resp: 353978

Ion Ratio Lower Upper

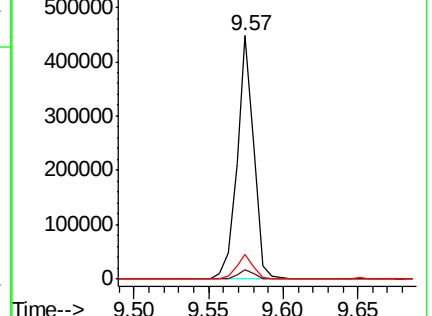
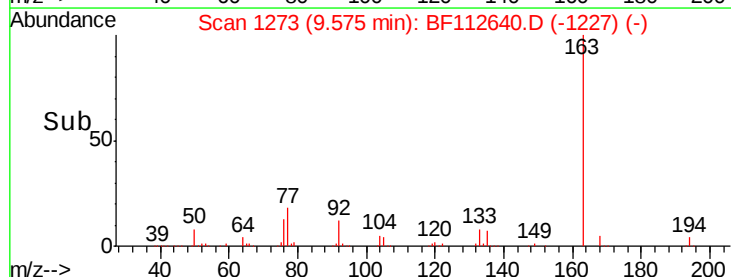
163 100

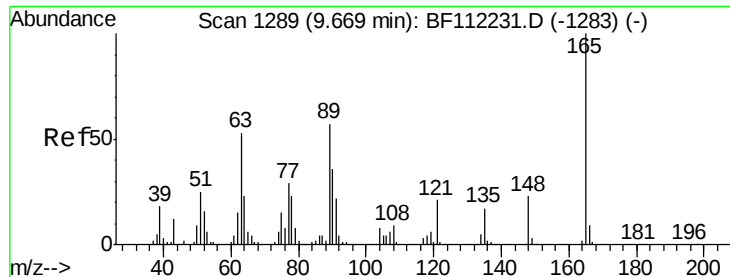
194 3.9 3.3 4.9

164 10.2 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

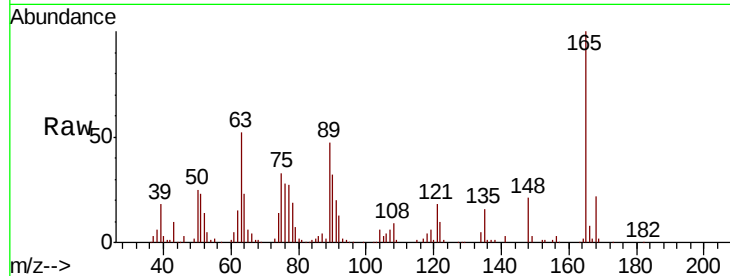




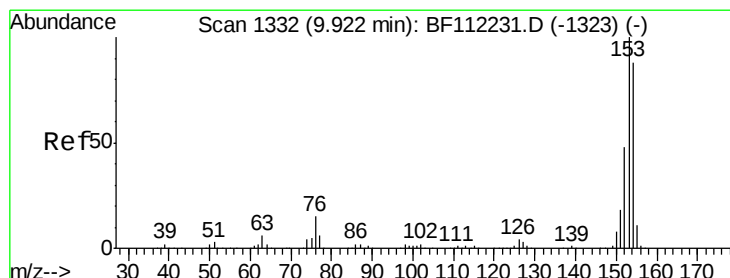
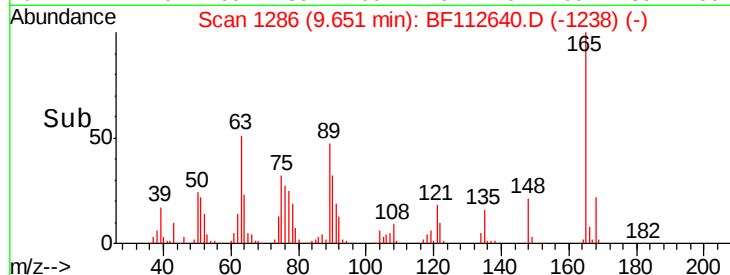
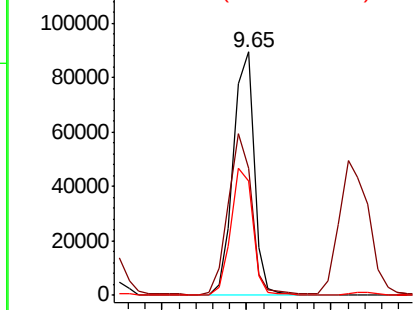
#51
2,6-Dinitrotoluene
Concen: 31.059 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 76976
Ion Ratio Lower Upper
165 100
63 52.2 33.8 50.8#
89 47.0 36.9 55.3

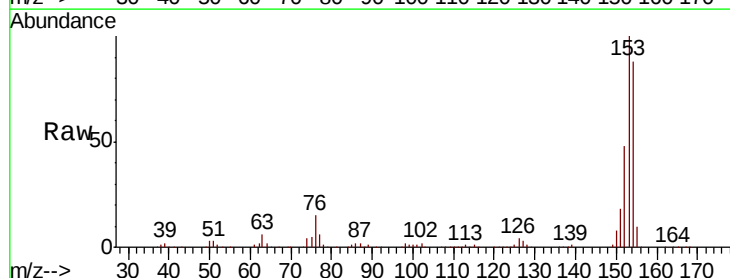


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

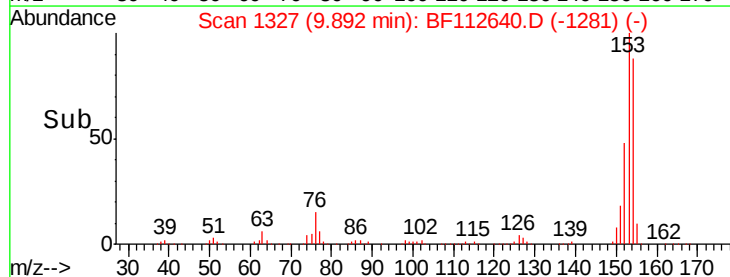
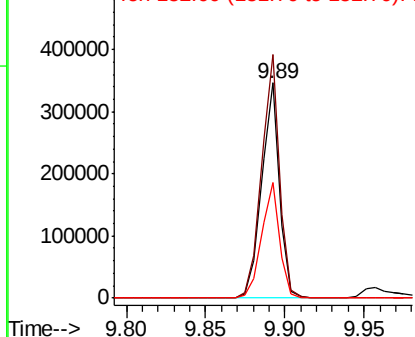


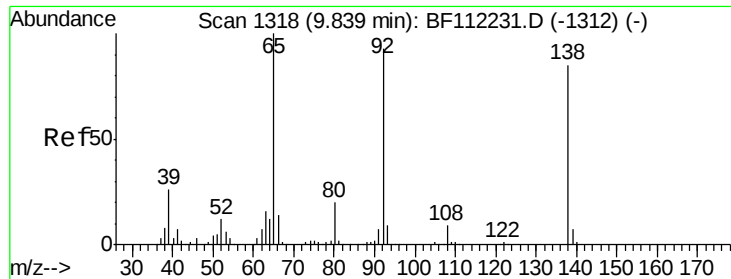
#52
Acenaphthene
Concen: 32.373 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.03 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

Tgt Ion:154 Resp: 273704
Ion Ratio Lower Upper
154 100
153 113.1 89.8 134.6
152 53.8 43.5 65.3



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

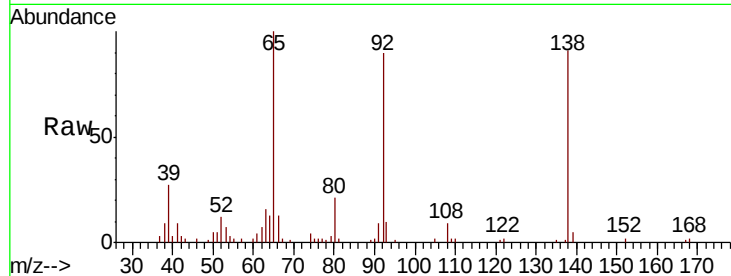




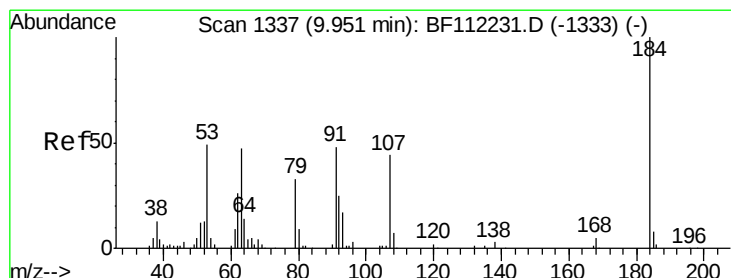
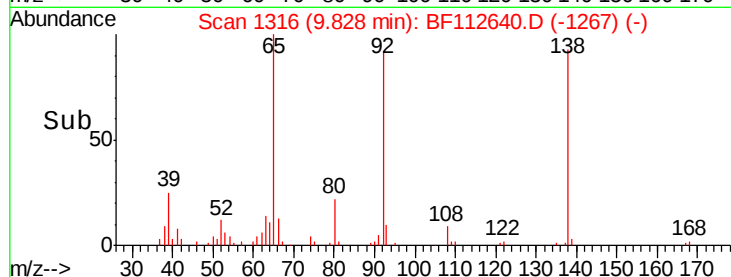
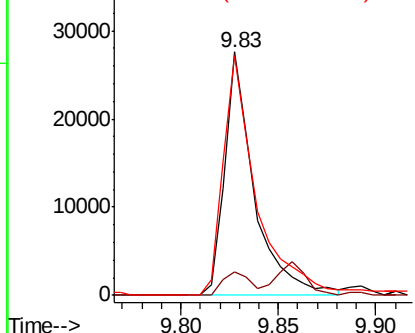
#53
3-Nitroaniline
Concen: 10.806 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 29014
Ion Ratio Lower Upper
138 100
108 9.5 9.8 14.6#
92 98.5 79.4 119.2

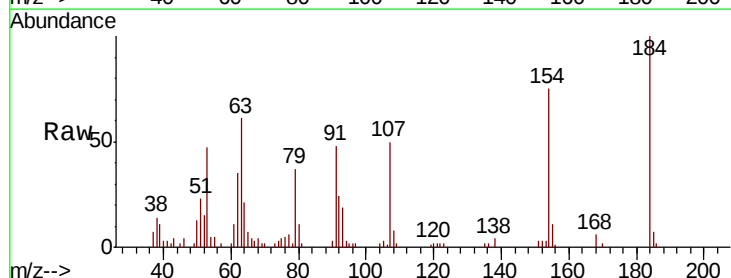


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

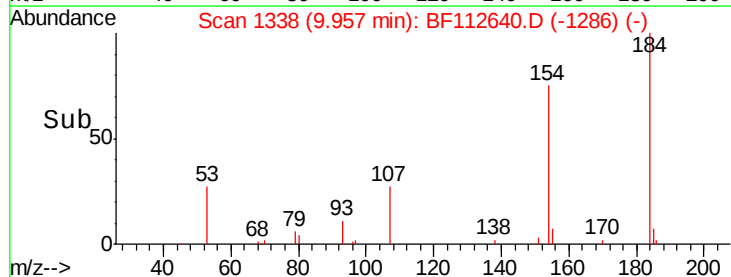
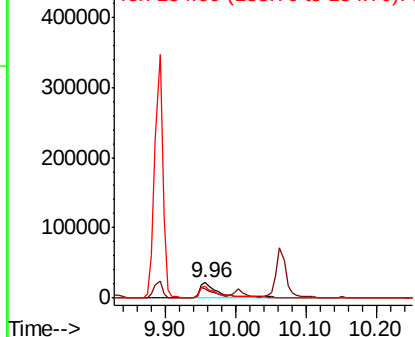


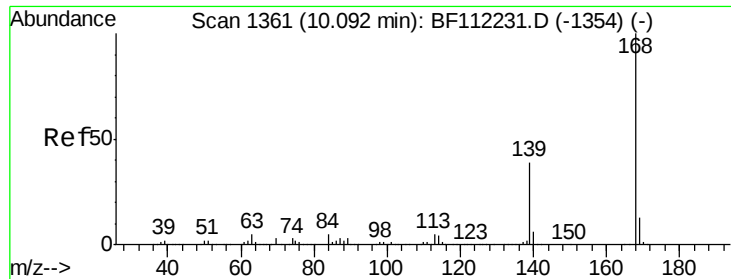
#54
2,4-Dinitrophenol
Concen: 59.292 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.01 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

Tgt Ion:184 Resp: 47160
Ion Ratio Lower Upper
184 100
63 60.9 47.1 70.7
154 74.8 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

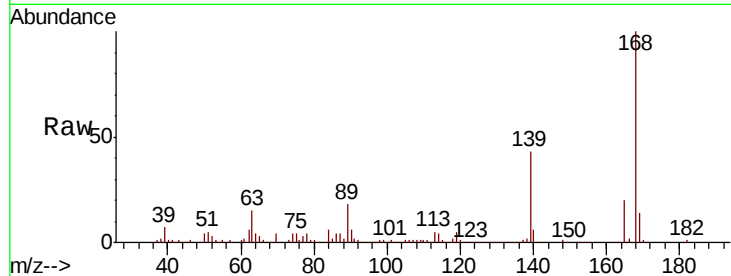




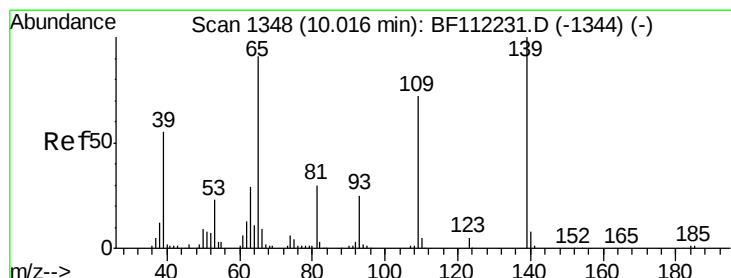
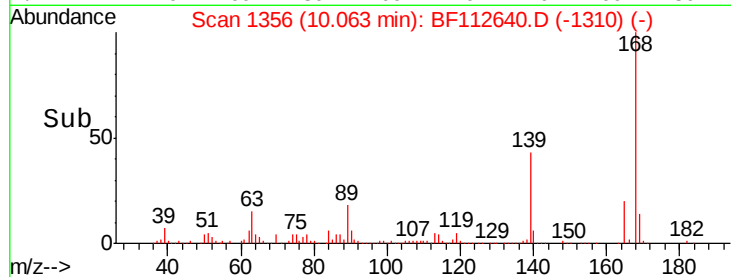
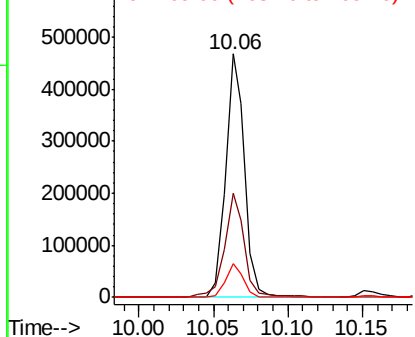
#55
Dibenzofuran
Concen: 32.244 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.03 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 416585
Ion Ratio Lower Upper
168 100
139 43.0 29.2 43.8
169 13.6 11.4 17.0

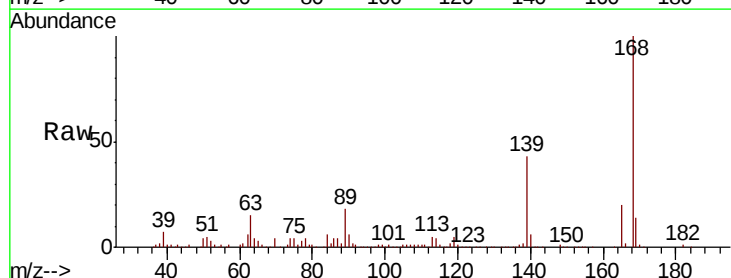


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

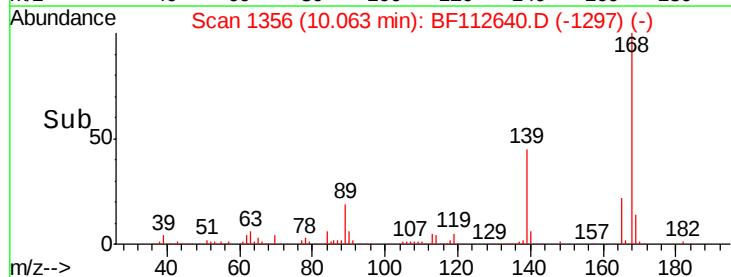
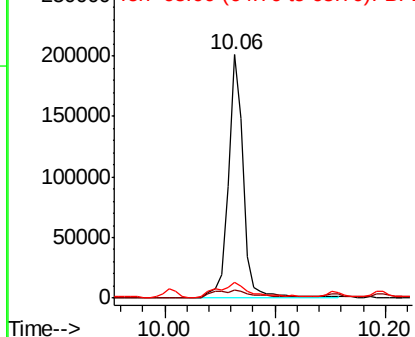


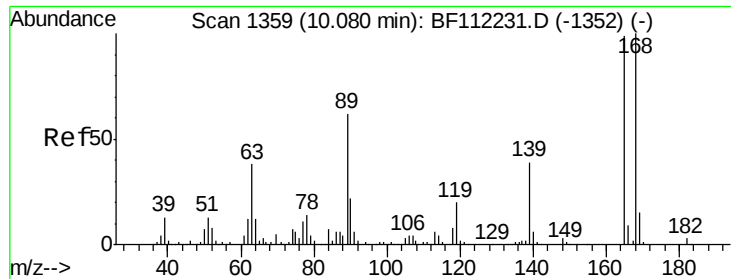
#56
4-Nitrophenol
Concen: 135.533 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.05 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

Tgt Ion:139 Resp: 192398
Ion Ratio Lower Upper
139 100
109 3.1 42.8 82.8#
65 6.3 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

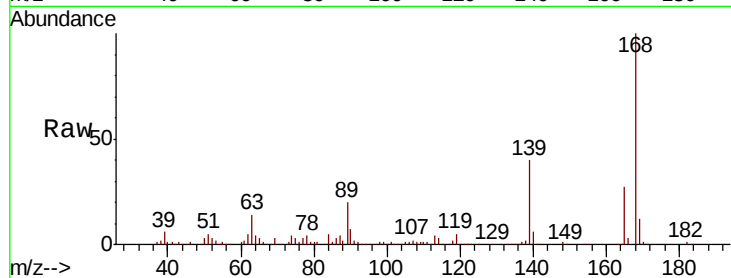




#57
 2,4-Dinitrotoluene
 Concen: 33.265 ng
 RT: 10.07 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: BF112640.D
 Acq: 20 Feb 2019 14:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	52.7	27.9	41.9#
89	71.4	47.9	71.9
182	3.1	2.2	3.4



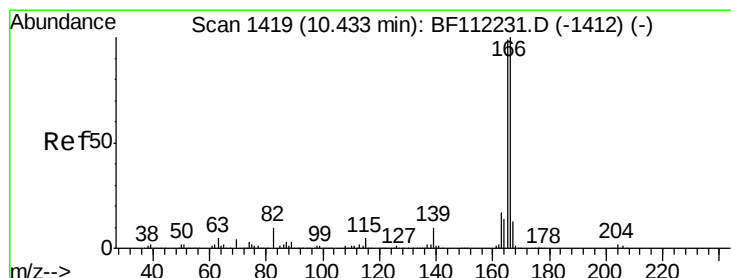
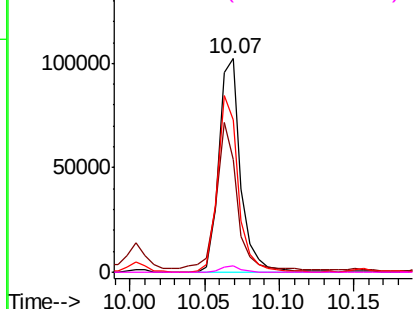
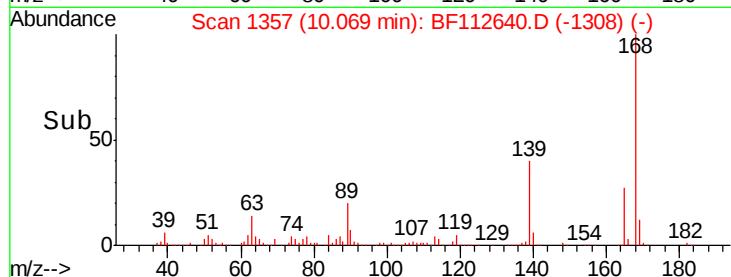
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

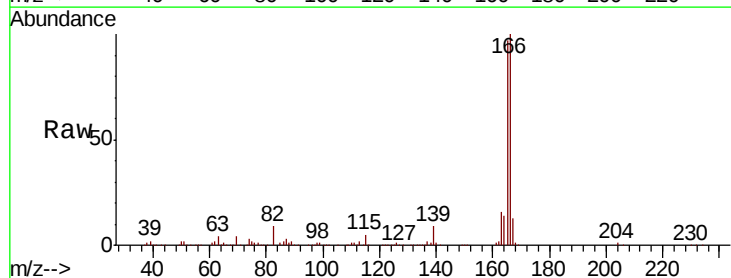
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
 Fluorene
 Concen: 35.476 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. -0.02 min
 Lab File: BF112640.D
 Acq: 20 Feb 2019 14:25

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.7	77.1	115.7
167	12.8	11.3	16.9

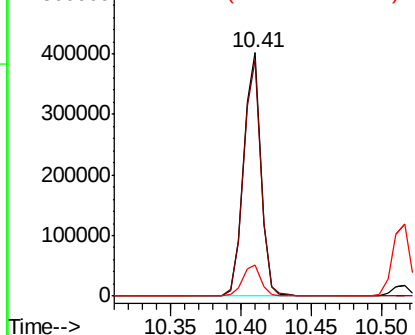
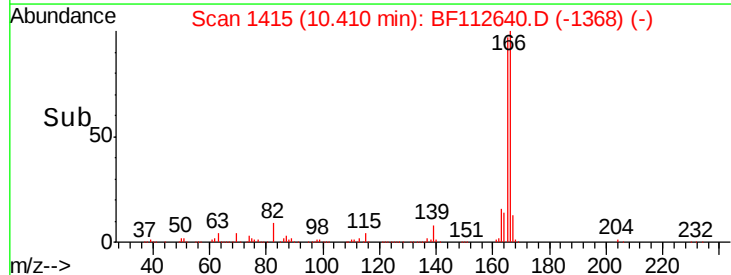


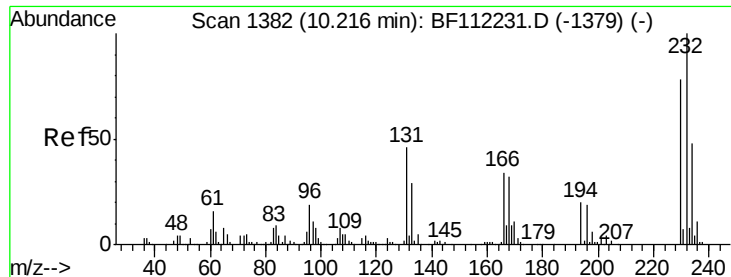
Abundance

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

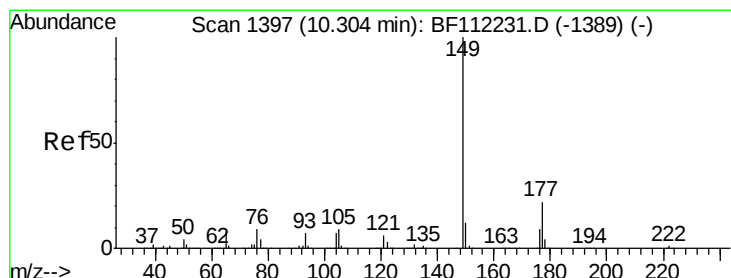
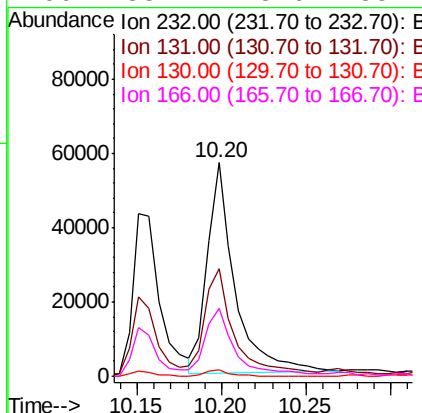
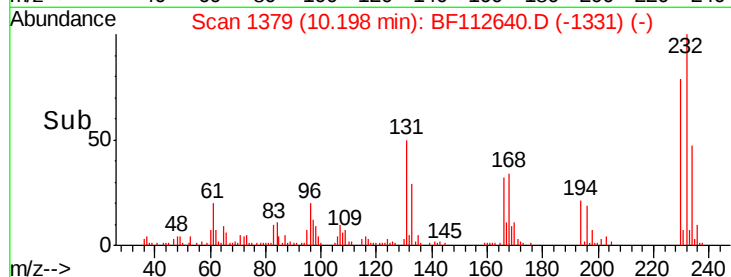
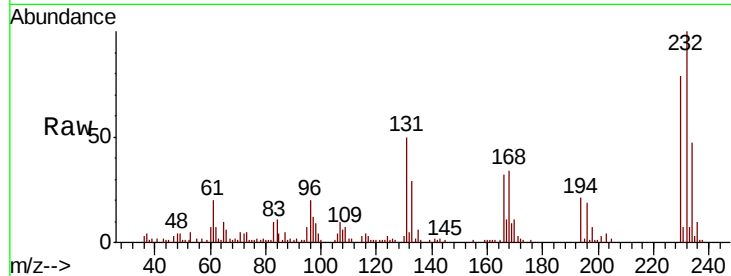




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 28.612 ng
 RT: 10.20 min Scan# 1379
 Delta R.T. -0.02 min
 Lab File: BF112640.D
 Acq: 20 Feb 2019 14:25

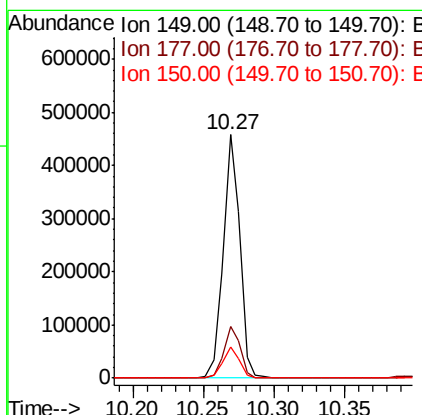
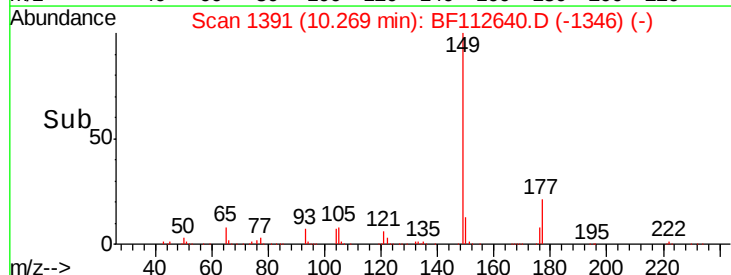
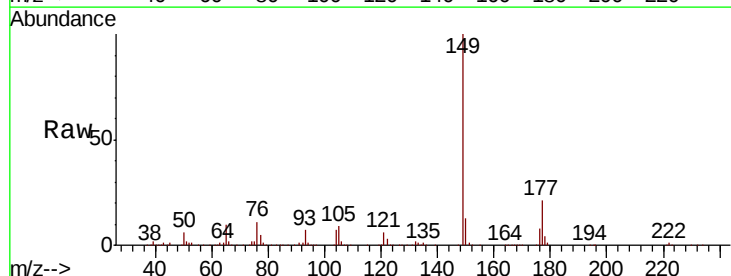
Instrument :
 BNA_F
 ClientSampleId :

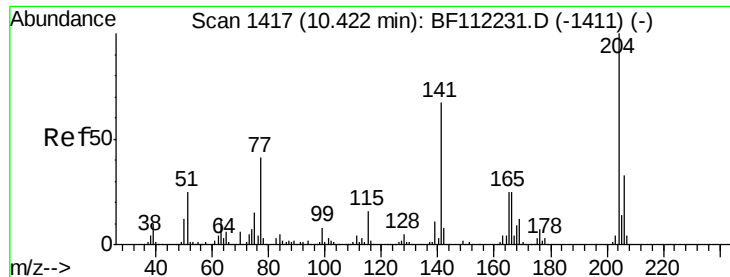
Tot Ion:232 Resp: 65143
 Ion Ratio Lower Upper
 232 100
 131 54.6 33.9 50.9#
 130 2.8 1.8 2.6#
 166 33.1 23.6 35.4



#60
 Diethylphthalate
 Concen: 33.957 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. -0.04 min
 Lab File: BF112640.D
 Acq: 20 Feb 2019 14:25

Tgt Ion:149 Resp: 372916
 Ion Ratio Lower Upper
 149 100
 177 21.1 18.2 27.2
 150 12.6 10.4 15.6





#61

4-Chlorophenyl-phenylether

Concen: 31.654 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.03 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampleId :

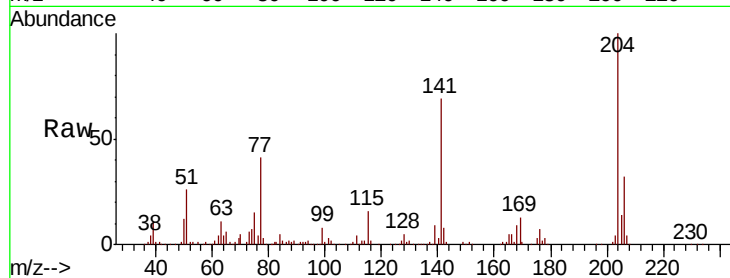
Tot Ion:204 Resp: 166479

Ion Ratio Lower Upper

204 100

206 32.0 26.5 39.7

141 68.8 45.9 68.9

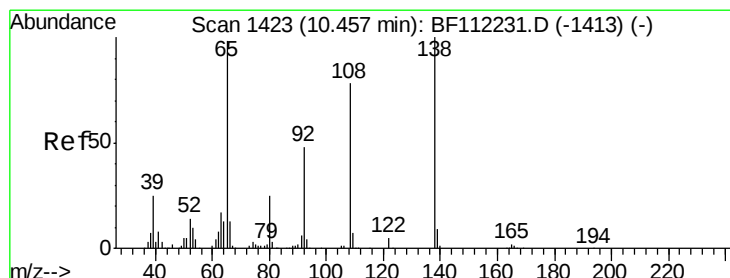
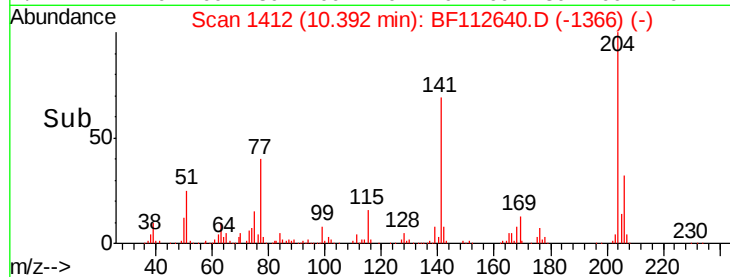
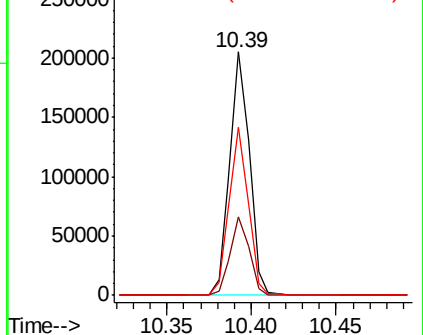


Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 22.607 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

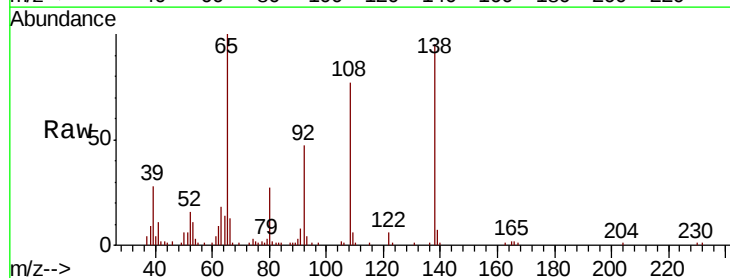
Tgt Ion:138 Resp: 59539

Ion Ratio Lower Upper

138 100

92 49.7 30.6 70.6

108 81.0 50.0 90.0

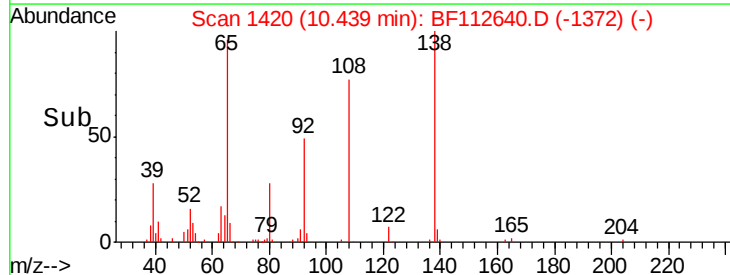
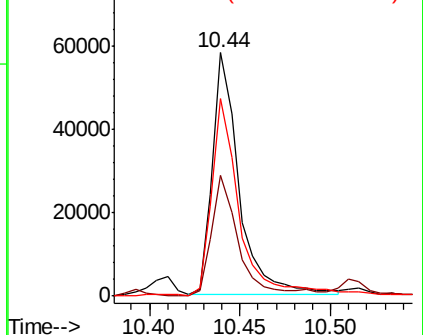


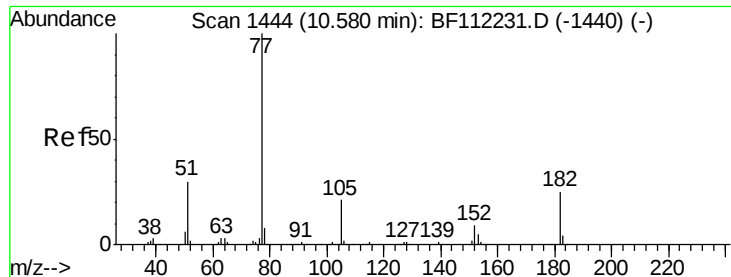
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 32.745 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 316267

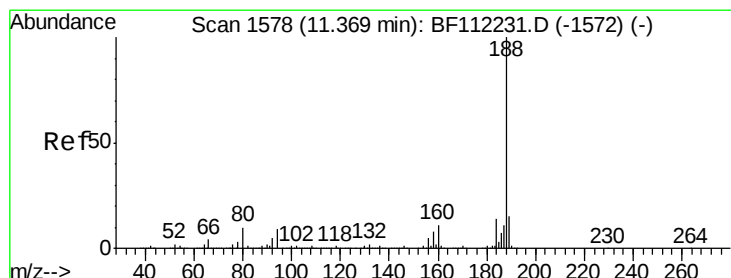
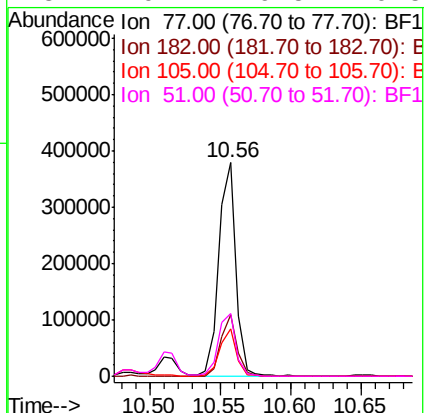
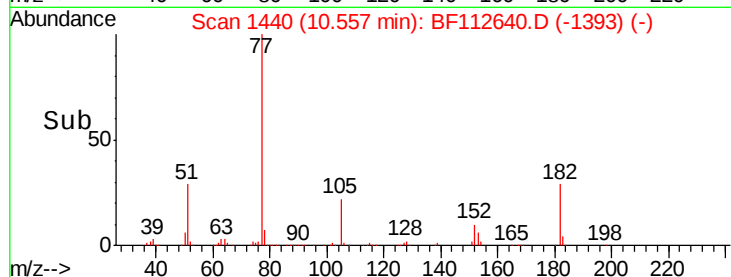
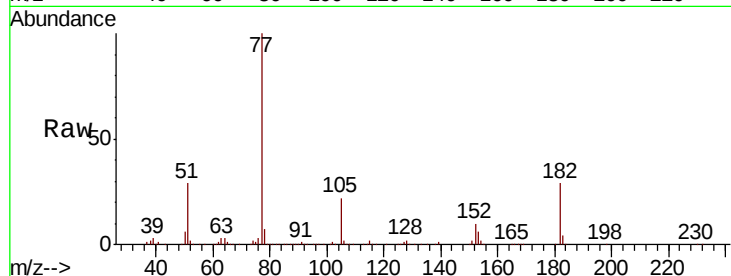
Ion	Ratio	Lower	Upper
77	100		
182	28.7	5.7	45.7
105	22.4	1.4	41.4
51	29.4	9.5	49.5

Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

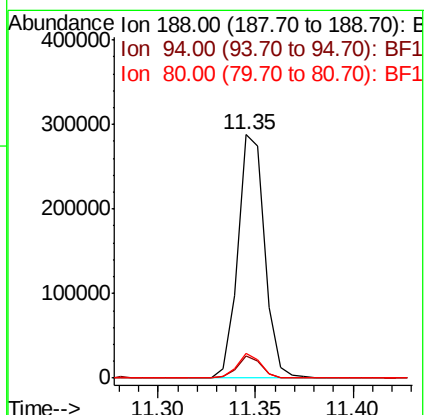
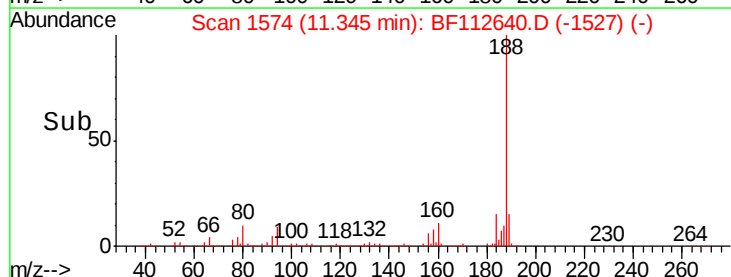
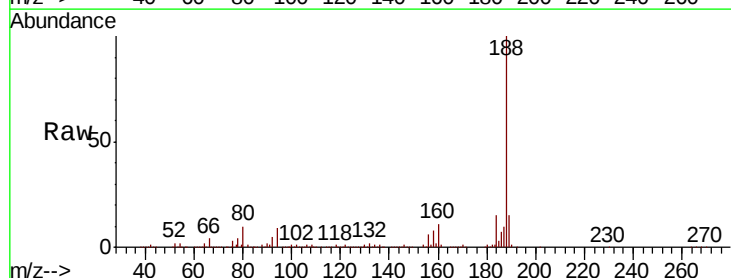
Tgt Ion: 188 Resp: 273496

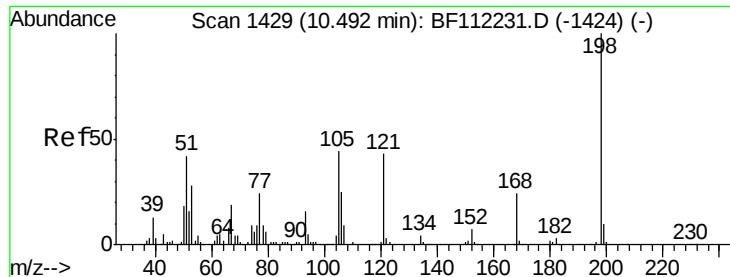
Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.2	12.2
80	10.3	8.9	13.3

Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 22.055 ng

RT: 10.49 min Scan# 1428

Delta R.T. -0.01 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampled :

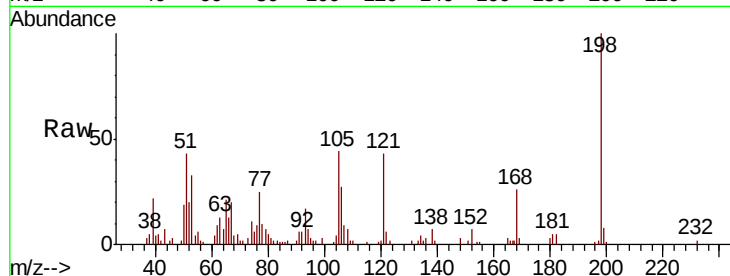
Tot Ion:198 Resp: 33819

Ion Ratio Lower Upper

198 100

51 43.1 17.2 57.2

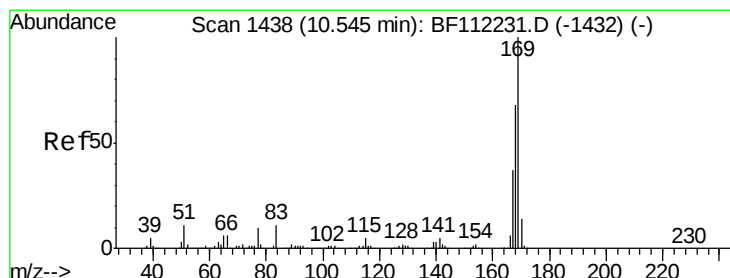
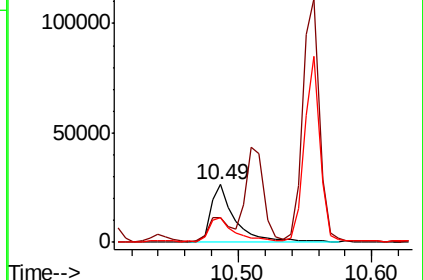
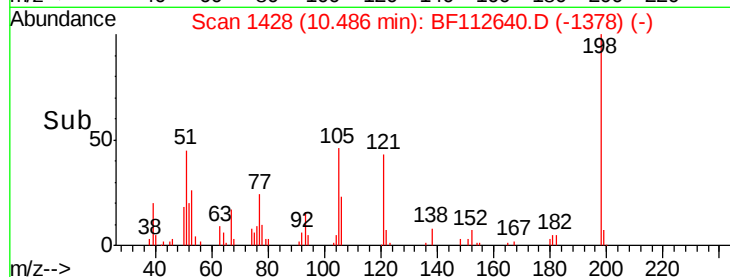
105 43.6 21.9 61.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 31.839 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.03 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

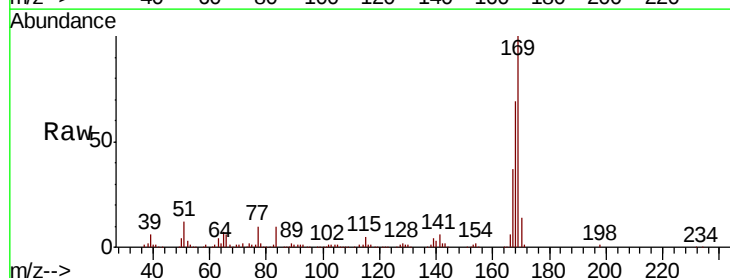
Tgt Ion:169 Resp: 293481

Ion Ratio Lower Upper

169 100

168 69.0 53.9 80.9

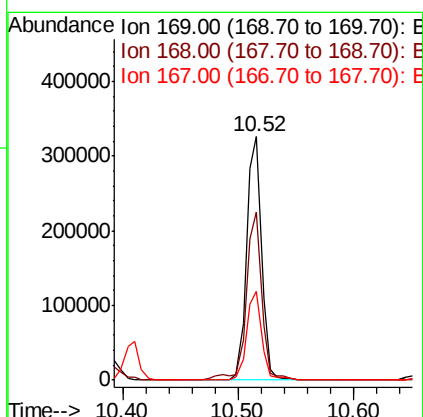
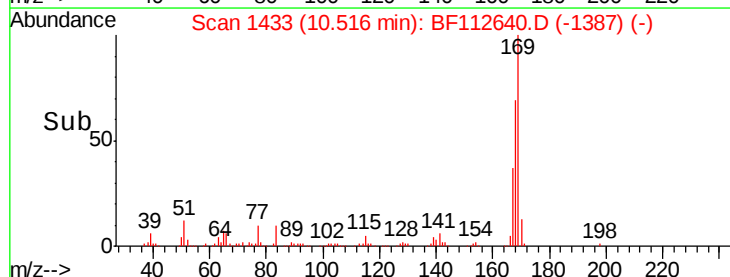
167 36.7 28.9 43.3

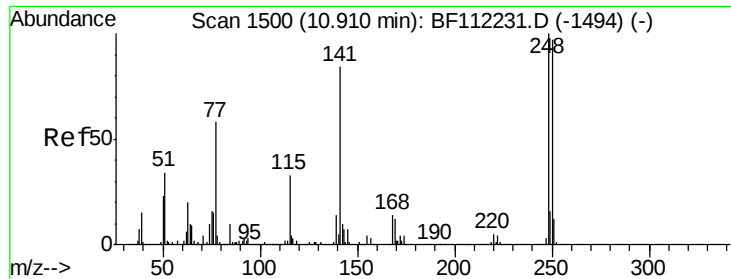


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

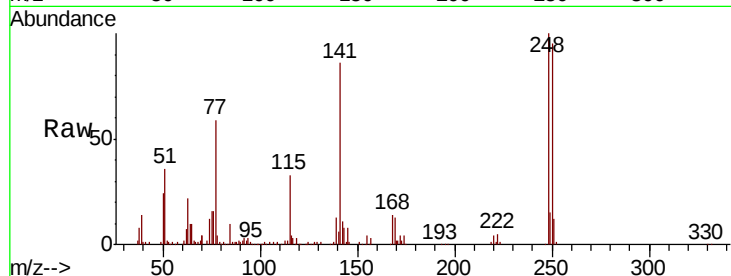




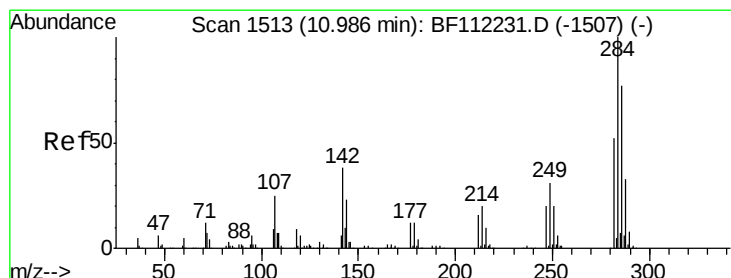
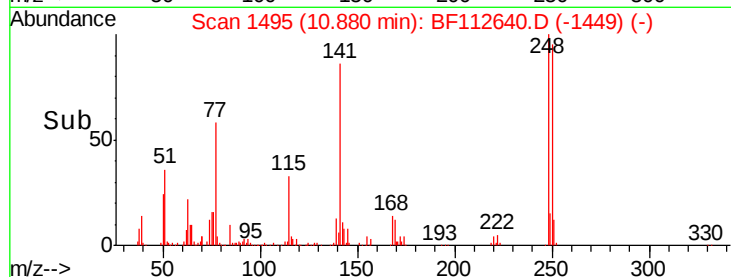
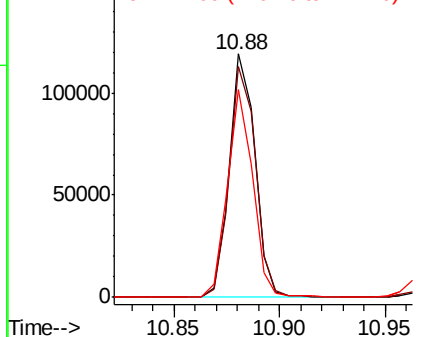
#67
4-Bromophenyl-phenylether
Concen: 31.084 ng
RT: 10.88 min Scan# 1495
Delta R.T. -0.03 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 99988
Ion Ratio Lower Upper
248 100
250 94.6 79.7 119.5
141 85.5 60.3 90.5

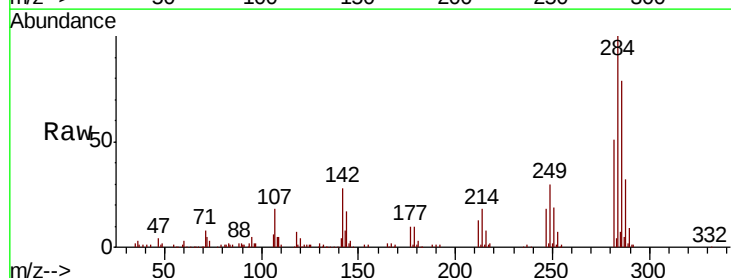


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

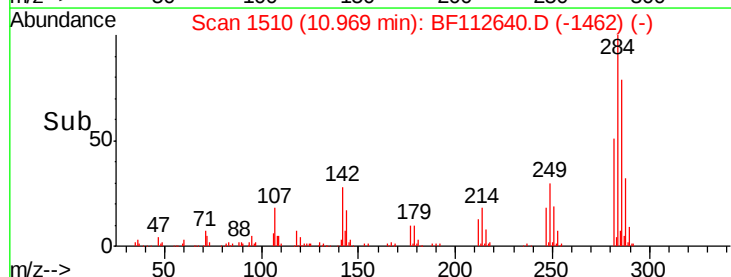
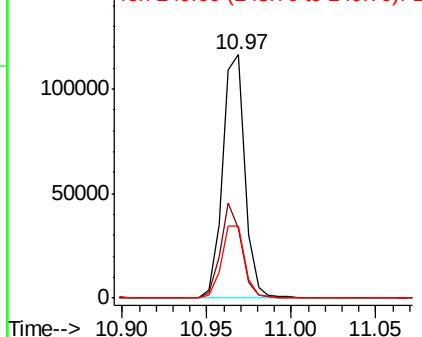


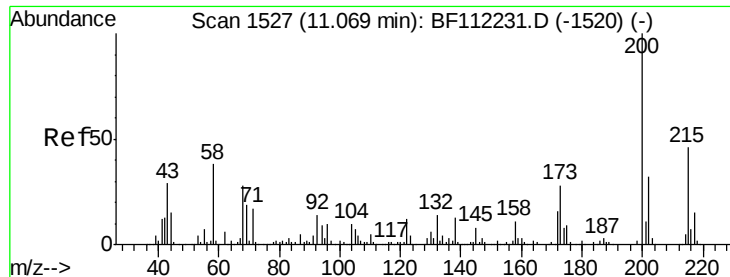
#68
Hexachlorobenzene
Concen: 31.091 ng
RT: 10.97 min Scan# 1510
Delta R.T. -0.02 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

Tgt Ion:284 Resp: 107301
Ion Ratio Lower Upper
284 100
142 28.3 27.6 41.4
249 29.6 24.1 36.1



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

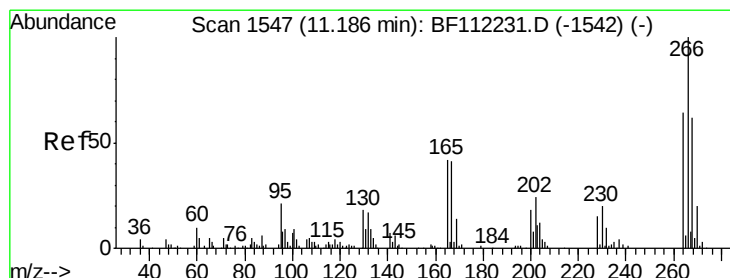
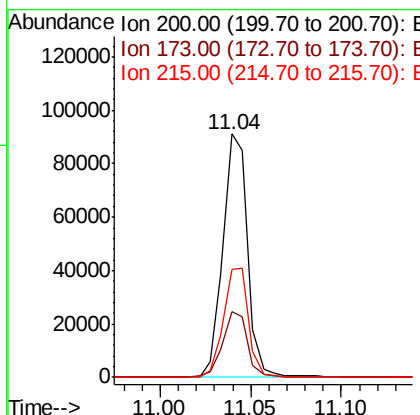
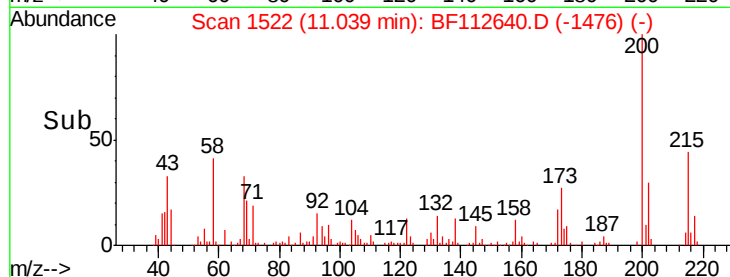
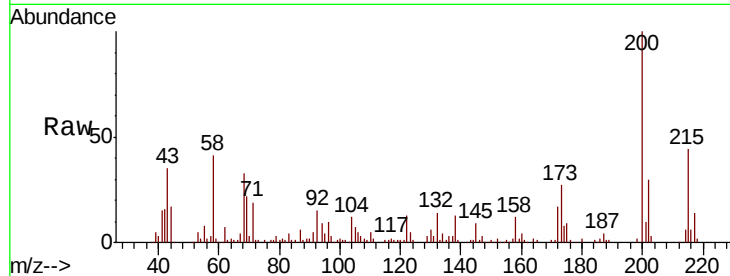




#69
 Atrazine
 Concen: 29.046 ng
 RT: 11.04 min Scan# 1522
 Delta R.T. -0.03 min
 Lab File: BF112640.D
 Acq: 20 Feb 2019 14:25

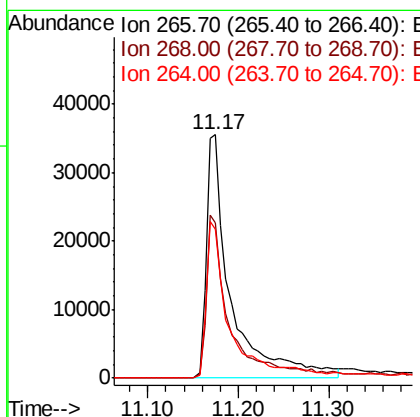
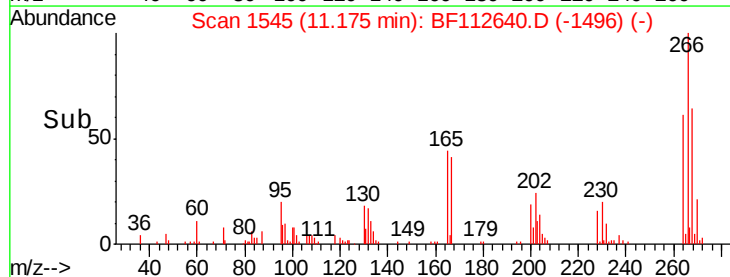
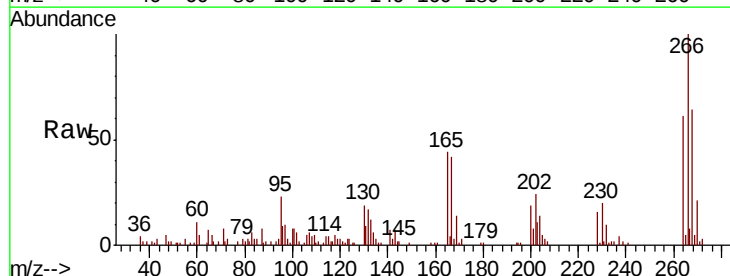
Instrument :
 BNA_F
 ClientSampleId :

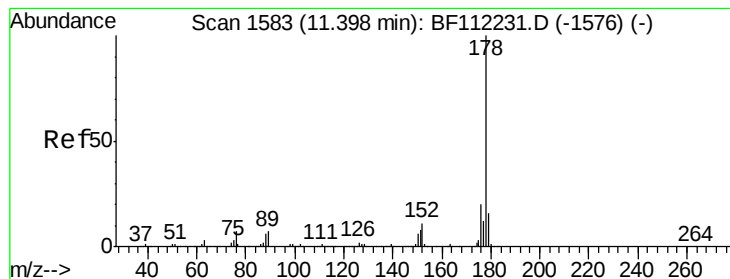
Tot Ion:200 Resp: 86389
 Ion Ratio Lower Upper
 200 100
 173 27.1 7.1 47.1
 215 44.2 30.4 70.4



#70
 Pentachlorophenol
 Concen: 50.169 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.01 min
 Lab File: BF112640.D
 Acq: 20 Feb 2019 14:25

Tgt Ion:266 Resp: 67370
 Ion Ratio Lower Upper
 266 100
 268 63.8 51.2 76.8
 264 61.4 50.9 76.3





#71

Phenanthrene

Concen: 34.031 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampleId :

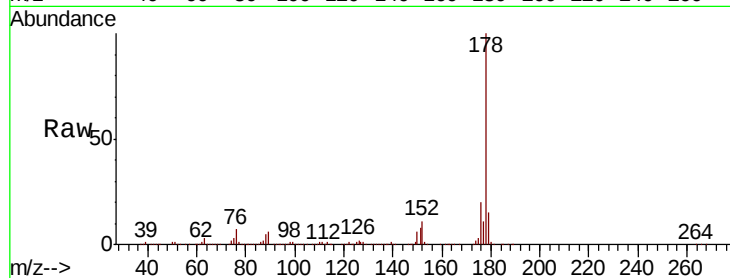
Tot Ion:178 Resp: 483869

Ion Ratio Lower Upper

178 100

176 19.6 16.3 24.5

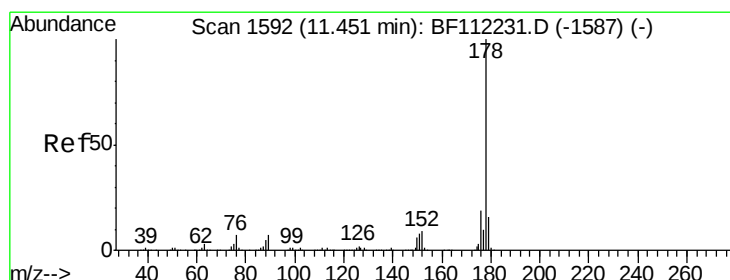
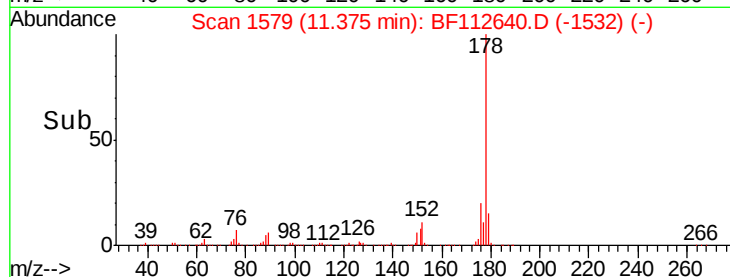
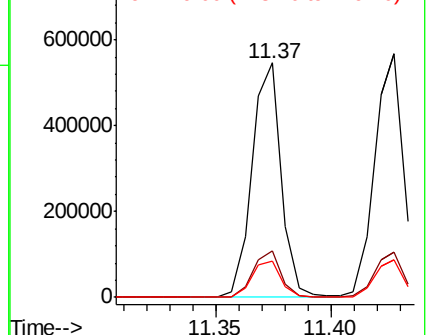
179 15.4 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 35.568 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

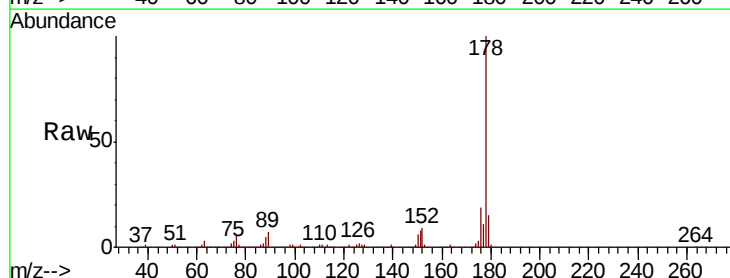
Tgt Ion:178 Resp: 503776

Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

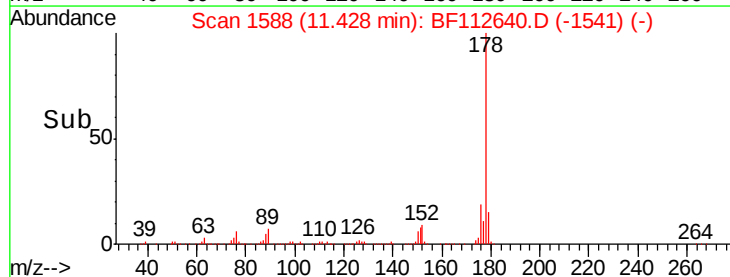
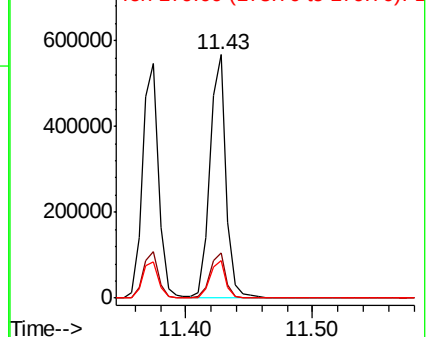
179 15.3 12.8 19.2

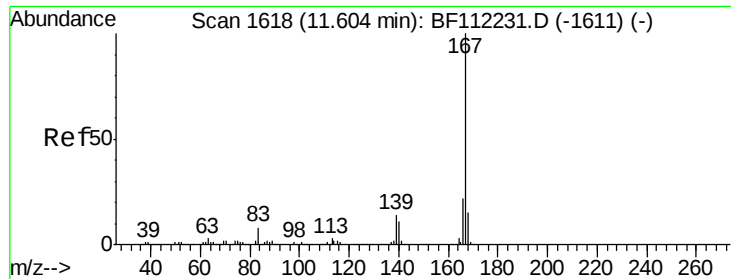


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

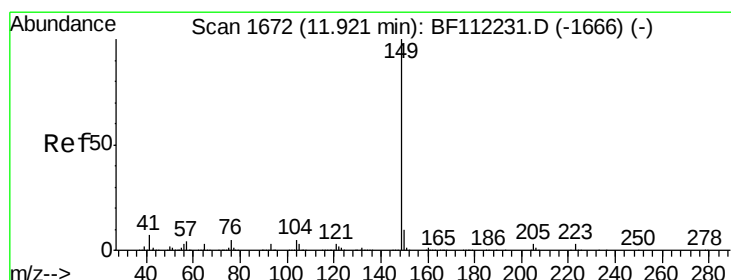
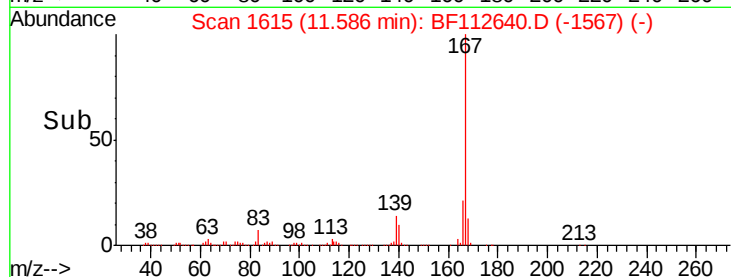
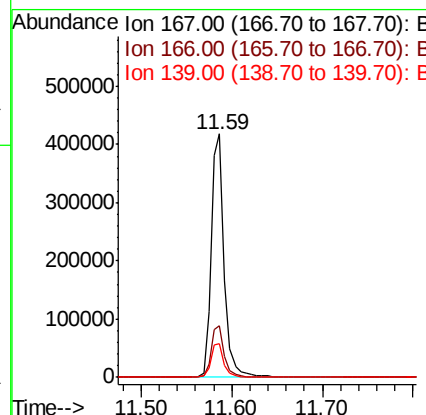
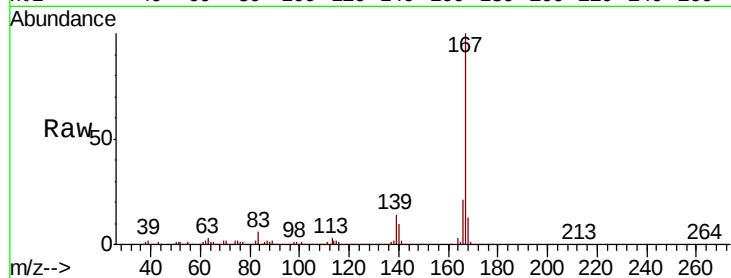




#73
 Carbazole
 Concen: 29.970 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. -0.02 min
 Lab File: BF112640.D
 Acq: 20 Feb 2019 14:25

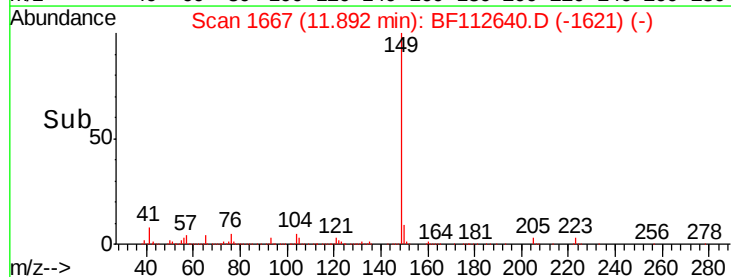
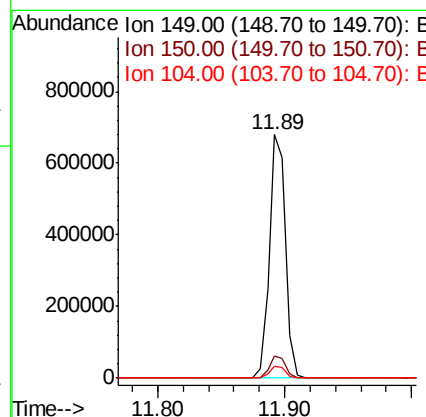
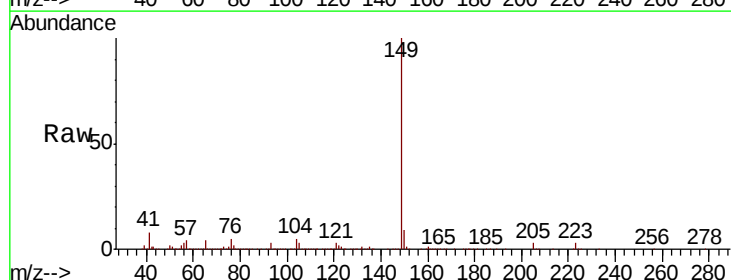
Instrument :
 BNA_F
 ClientSampleId :

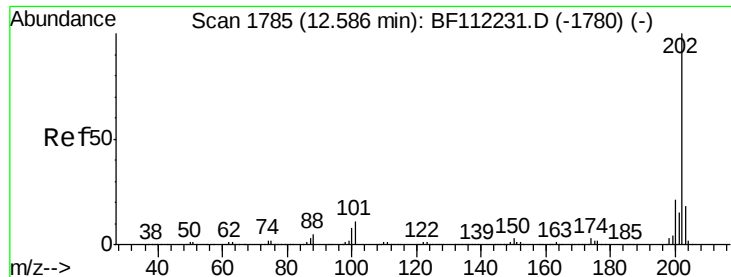
Tot Ion:167 Resp: 418717
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.9 26.9
 139 13.6 10.2 15.2



#74
 Di-n-butylphthalate
 Concen: 34.684 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. -0.03 min
 Lab File: BF112640.D
 Acq: 20 Feb 2019 14:25

Tgt Ion:149 Resp: 601484
 Ion Ratio Lower Upper
 149 100
 150 9.1 8.1 12.1
 104 5.0 3.9 5.9

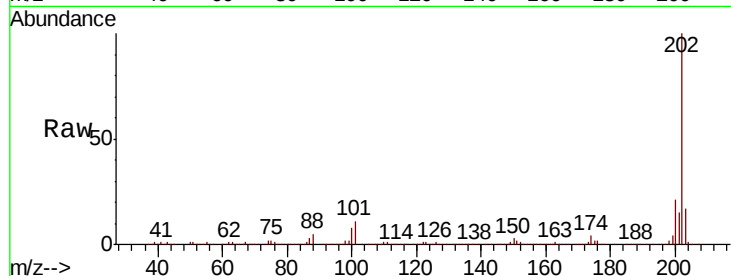




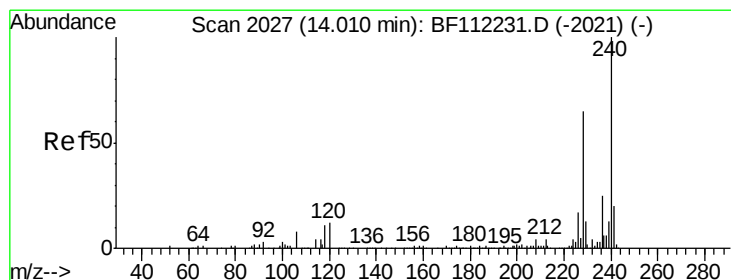
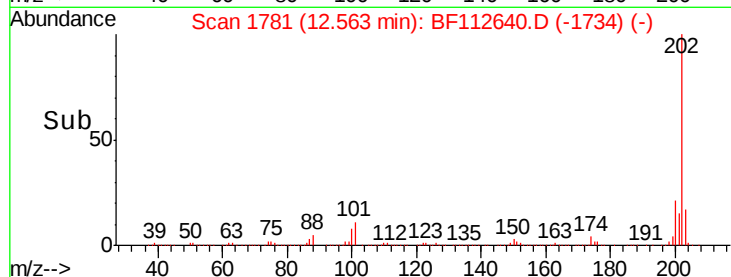
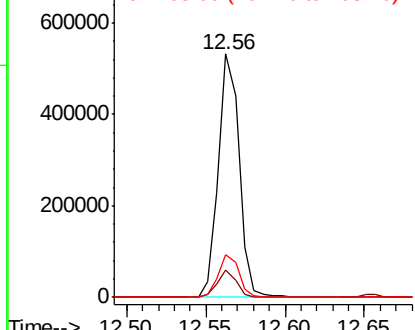
#75
 Fluoranthene
 Concen: 31.953 ng
 RT: 12.56 min Scan# 1781
 Delta R.T. -0.02 min
 Lab File: BF112640.D
 Acq: 20 Feb 2019 14:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.8
203	17.3	0.0	38.4

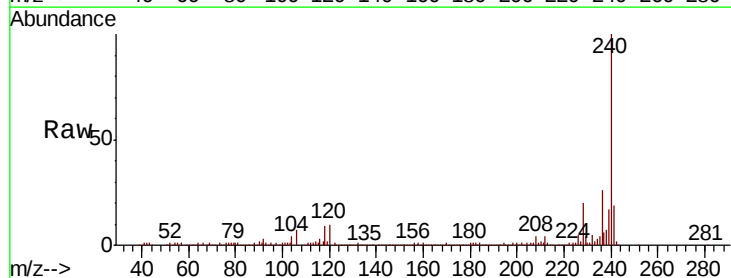


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

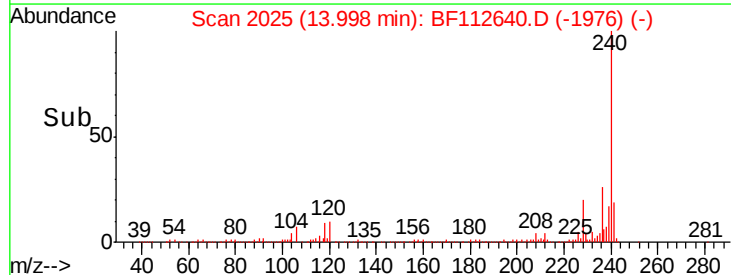
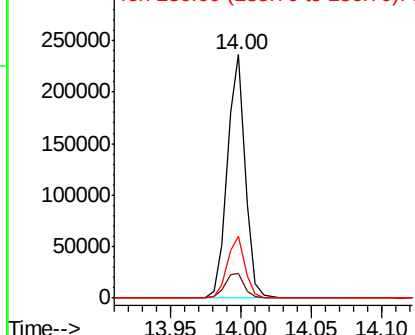


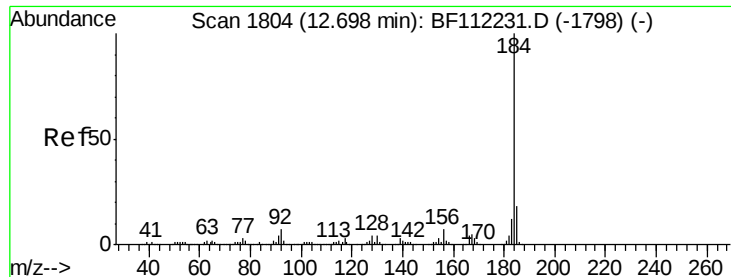
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF112640.D
 Acq: 20 Feb 2019 14:25

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.0	13.6
236	25.5	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.140 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.23 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampleId :

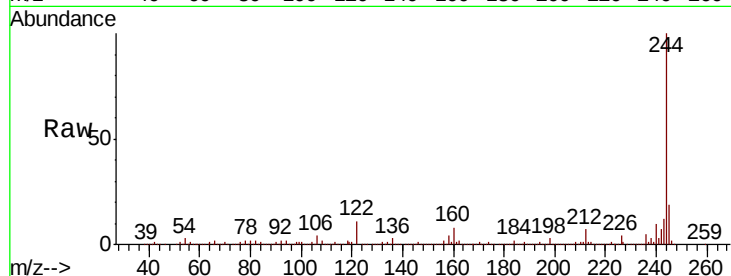
Tot Ion:184 Resp: 12251

Ion Ratio Lower Upper

184 100

185 24.2 13.9 20.9#

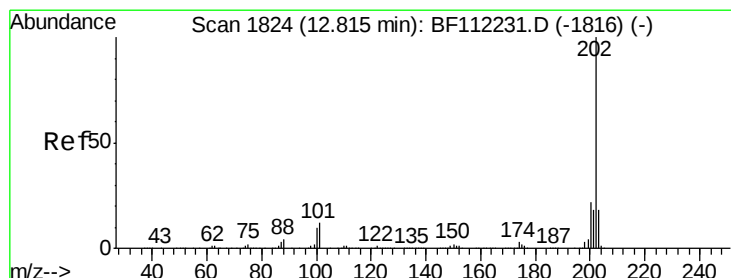
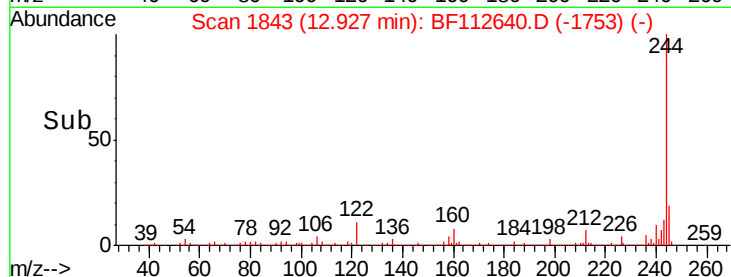
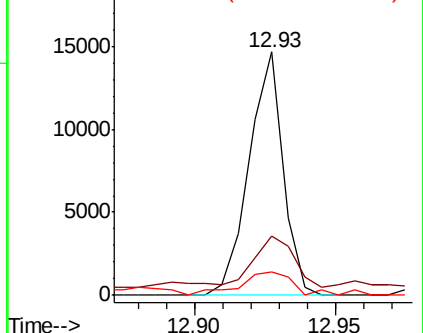
183 9.9 10.0 15.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 33.291 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

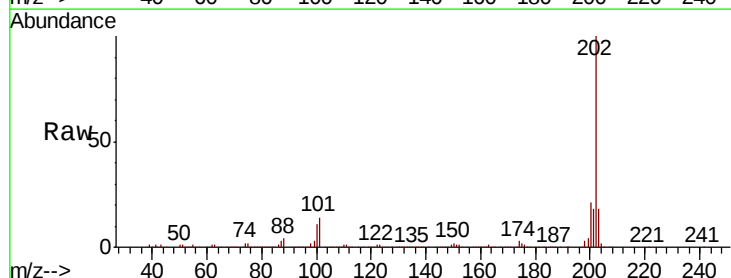
Tgt Ion:202 Resp: 479350

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

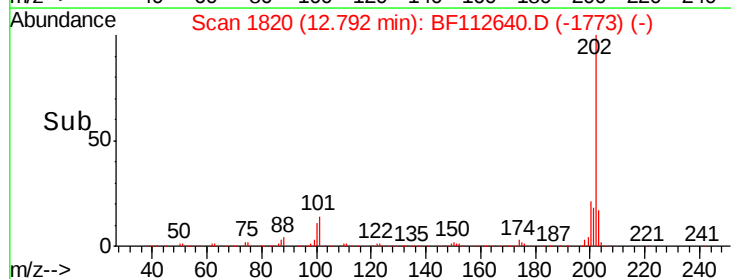
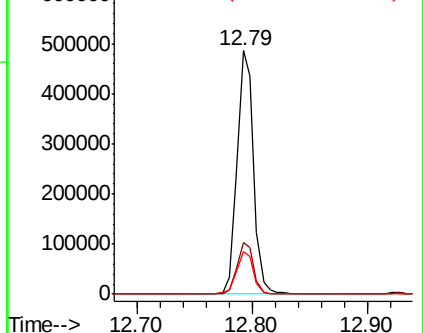
203 17.5 14.6 22.0

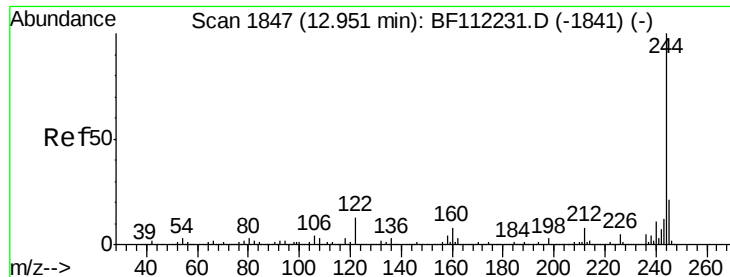


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 74.770 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampleId :

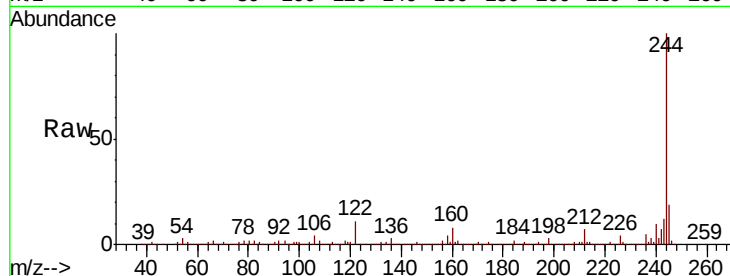
Tot Ion:244 Resp: 825622

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

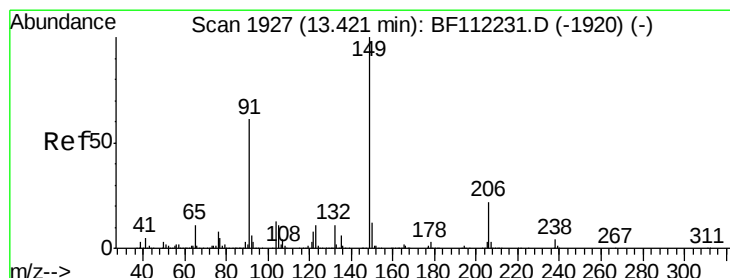
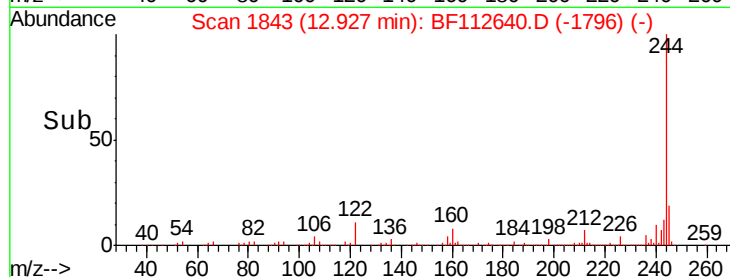
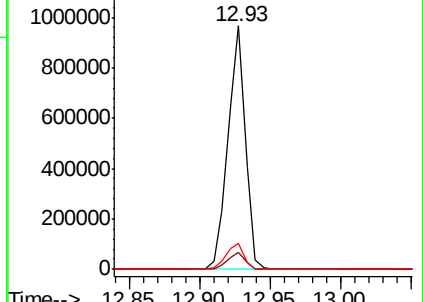
122 10.6 9.8 14.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 34.138 ng

RT: 13.39 min Scan# 1922

Delta R.T. -0.03 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

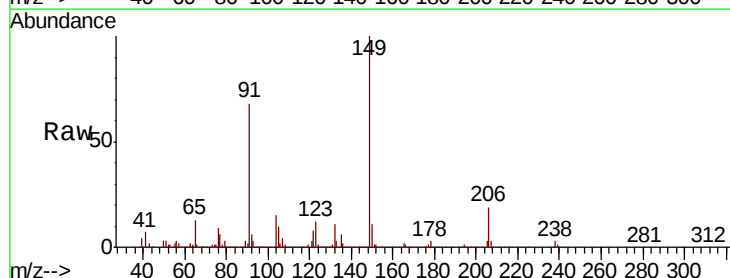
Tgt Ion:149 Resp: 237820

Ion Ratio Lower Upper

149 100

91 68.4 50.3 75.5

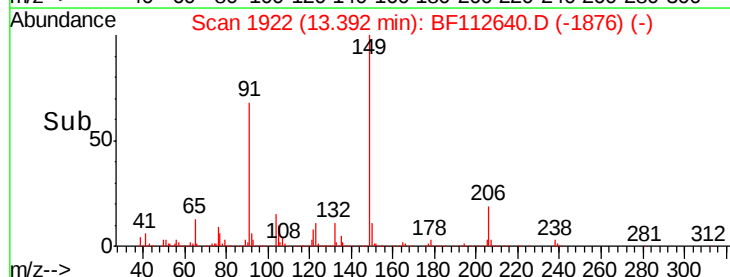
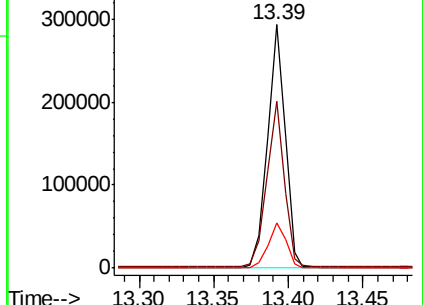
206 18.6 18.2 27.4

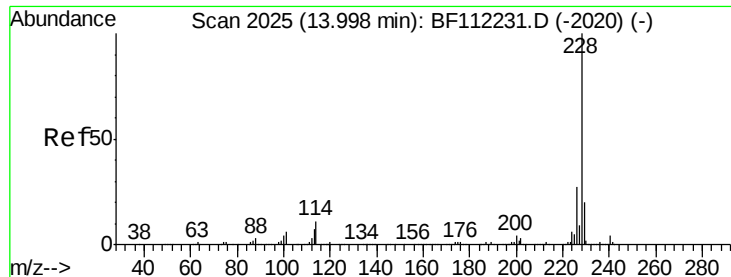


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 33.323 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampleId :

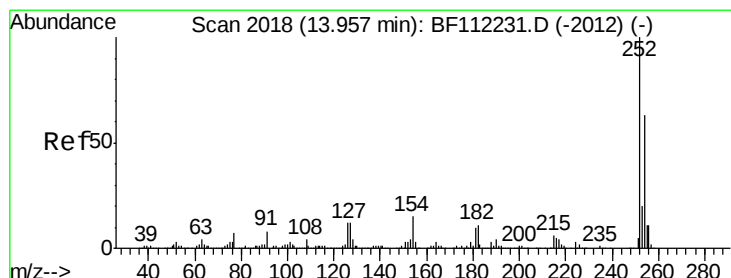
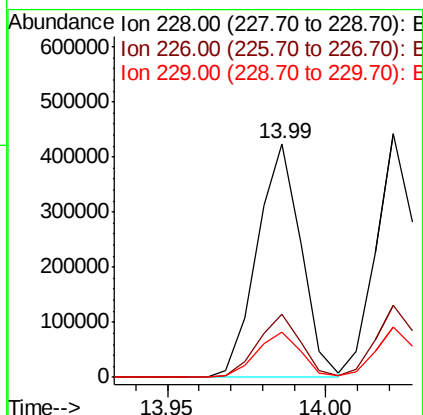
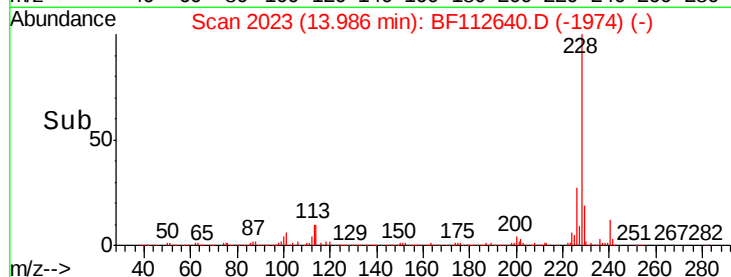
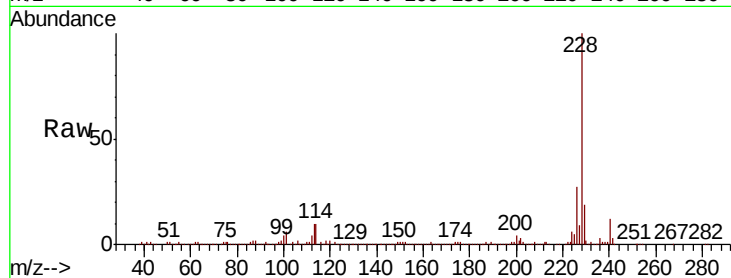
Tot Ion:228 Resp: 407396

Ion Ratio Lower Upper

228 100

226 27.2 22.6 34.0

229 19.4 16.5 24.7



#82

3,3'-Dichlorobenzidine

Concen: 3.315 ng

RT: 13.95 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

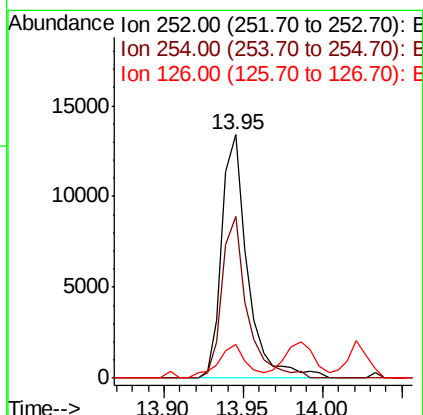
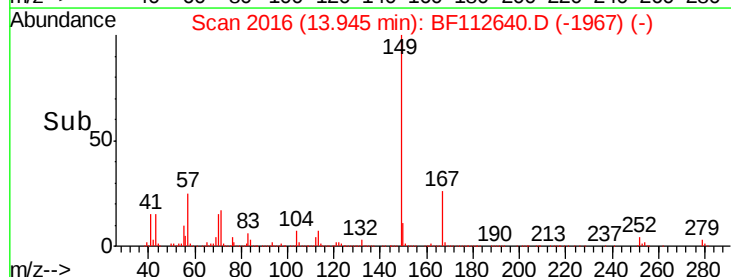
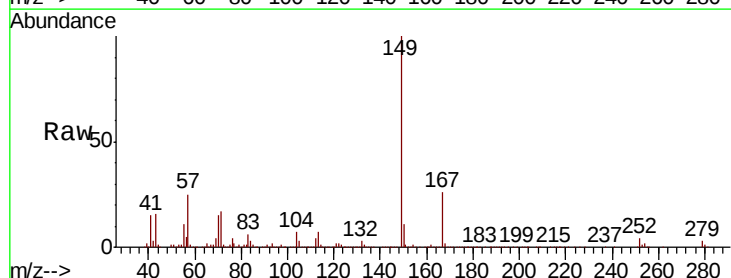
Tgt Ion:252 Resp: 15169

Ion Ratio Lower Upper

252 100

254 66.4 51.6 77.4

126 13.7 8.6 12.8#





#83

Chrysene

Concen: 32.671 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampleId :

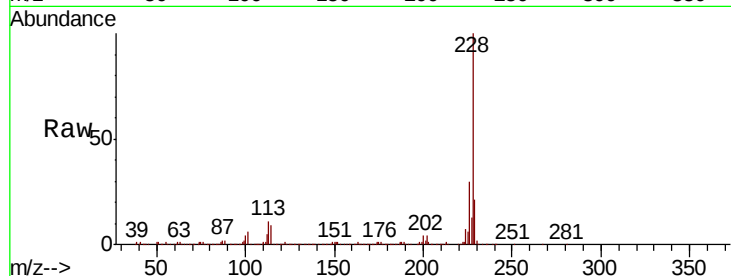
Tot Ion:228 Resp: 381269

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

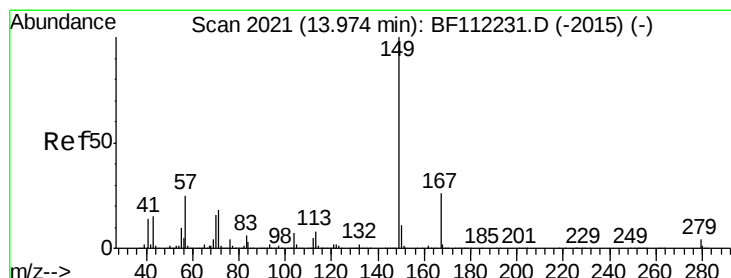
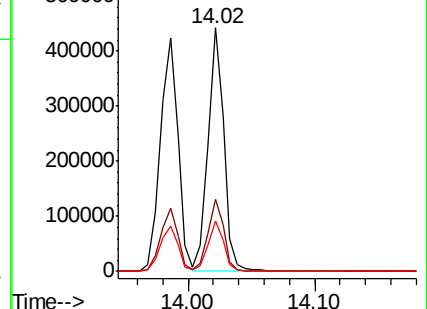
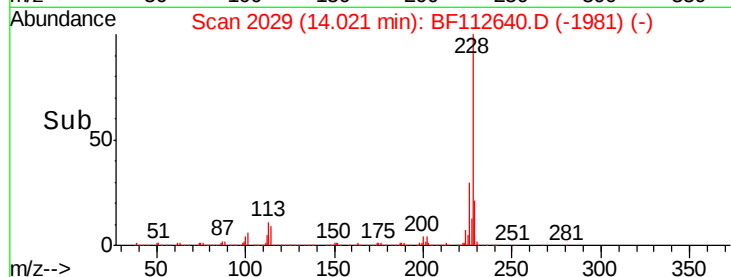
229 20.8 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 35.865 ng

RT: 13.95 min Scan# 2016

Delta R.T. -0.03 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

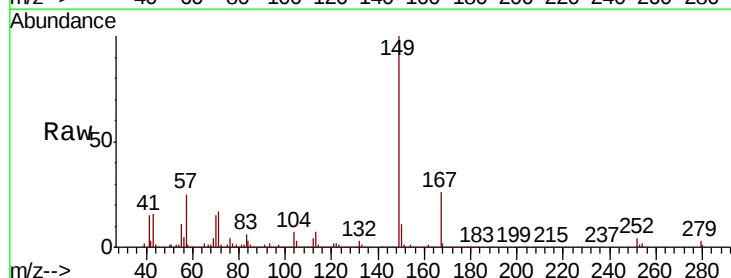
Tgt Ion:149 Resp: 354662

Ion Ratio Lower Upper

149 100

167 26.3 22.5 33.7

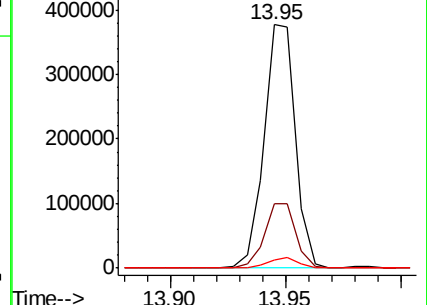
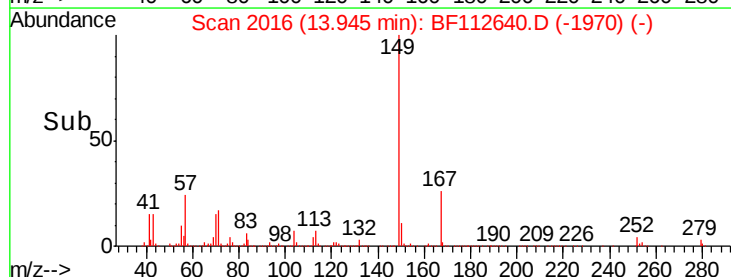
279 3.3 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 37.677 ng

RT: 14.56 min Scan# 2120

Delta R.T. -0.03 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampleId :

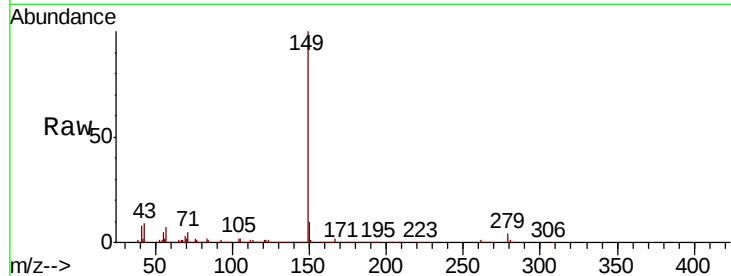
Tot Ion:149 Resp: 573223

Ion Ratio Lower Upper

149 100

167 1.9 1.3 1.9

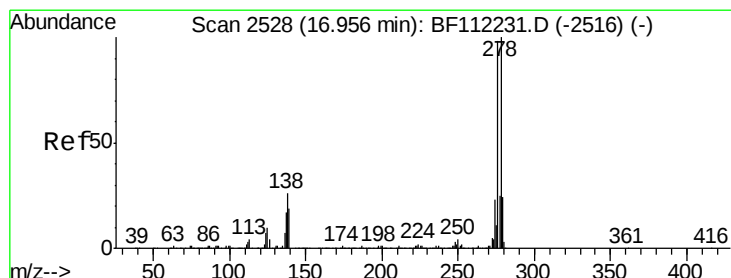
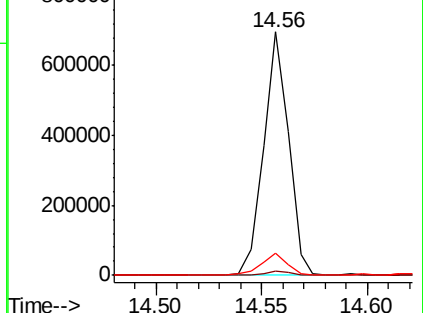
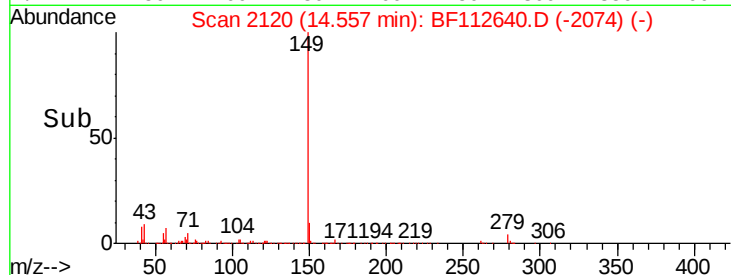
43 8.7 7.8 11.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 49.345 ng

RT: 16.97 min Scan# 2530

Delta R.T. 0.01 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

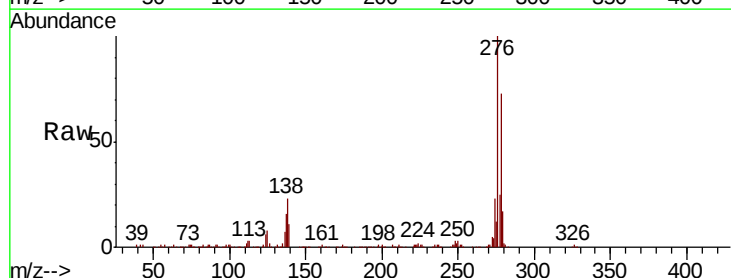
Tgt Ion:276 Resp: 456297

Ion Ratio Lower Upper

276 100

138 24.4 22.6 34.0

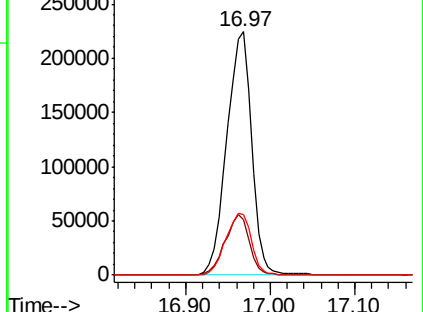
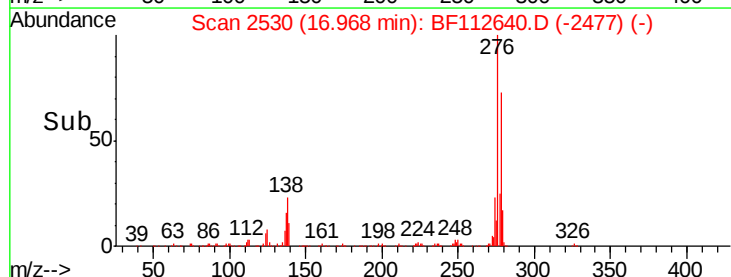
277 26.3 20.3 30.5

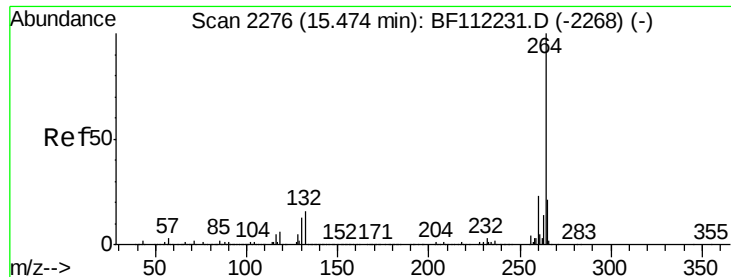


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampleId :

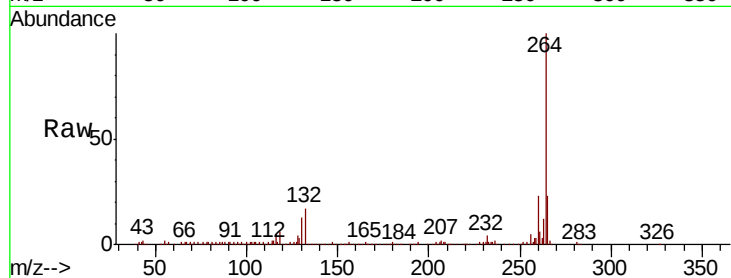
Tot Ion:264 Resp: 210512

Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.2

265 22.6 17.0 25.4

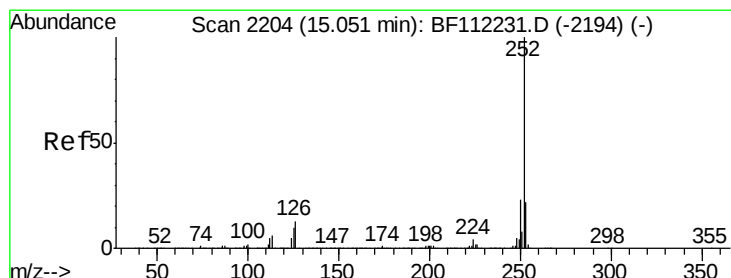
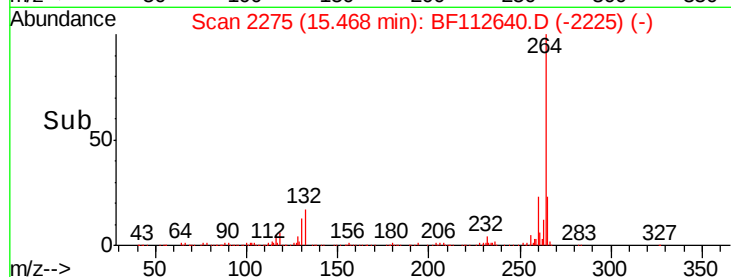
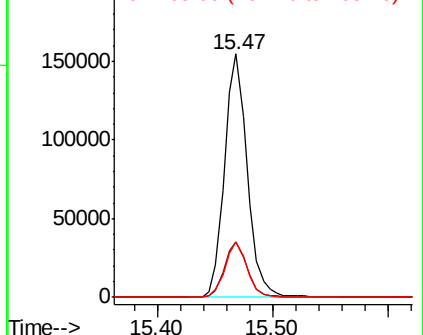


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 30.739 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

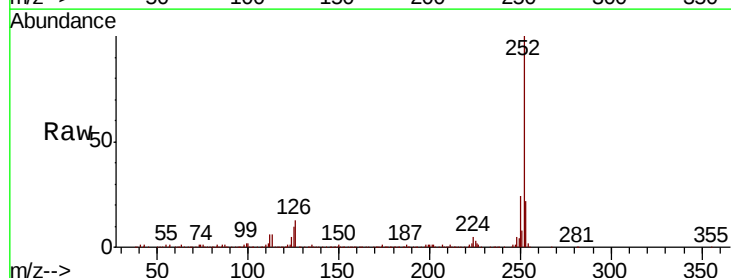
Tgt Ion:252 Resp: 386987

Ion Ratio Lower Upper

252 100

253 21.8 18.0 27.0

125 9.8 8.7 13.1

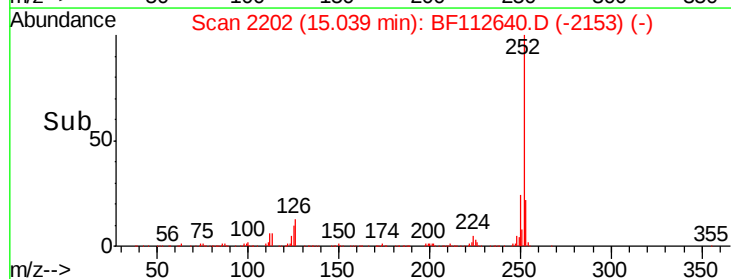
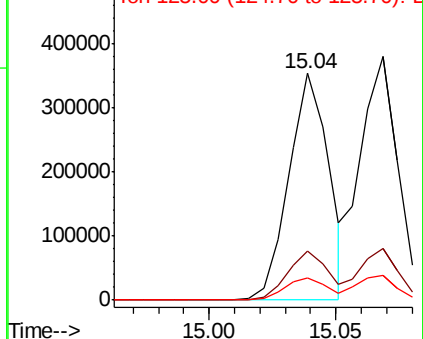


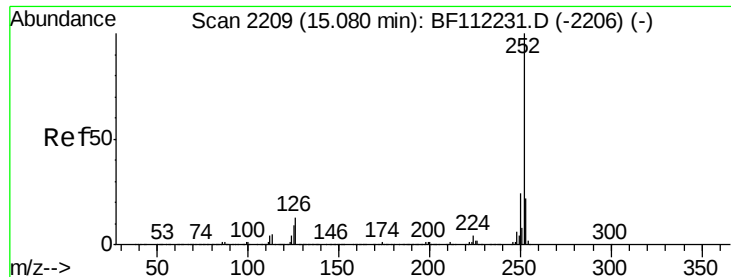
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

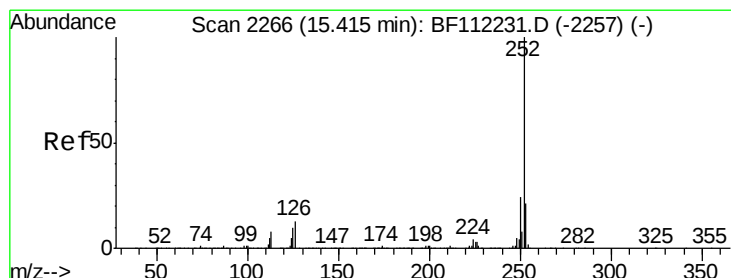
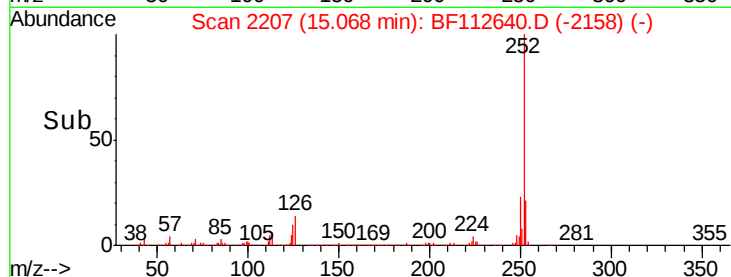
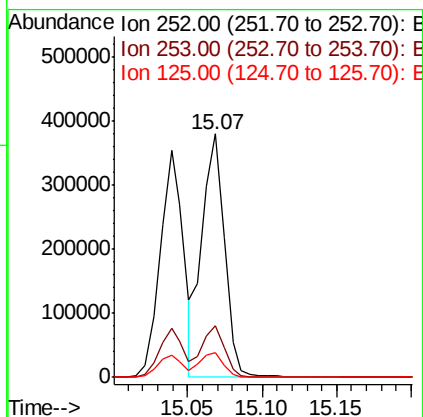
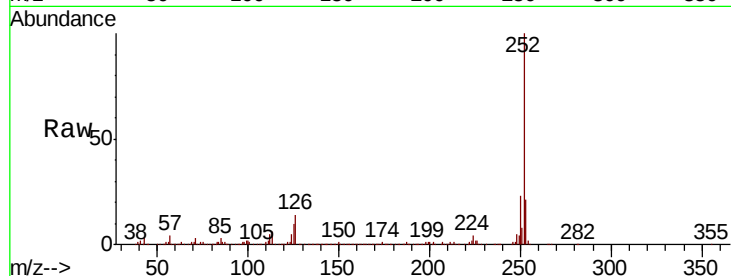




#89
Benzo(k)fluoranthene
Concen: 32.830 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

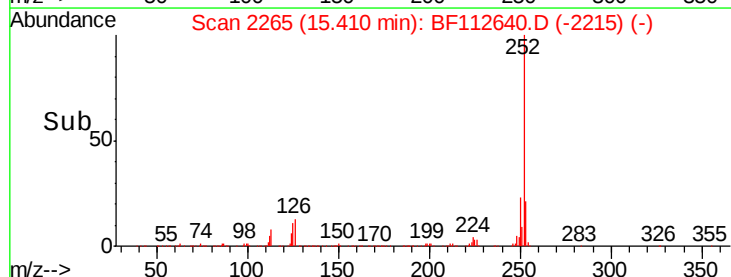
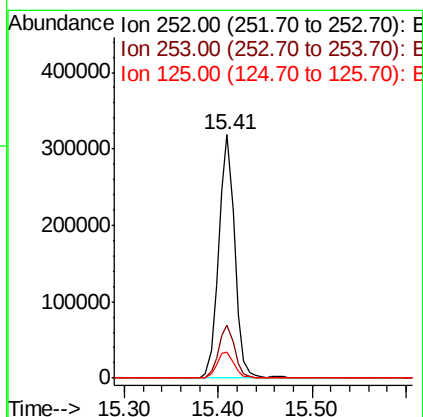
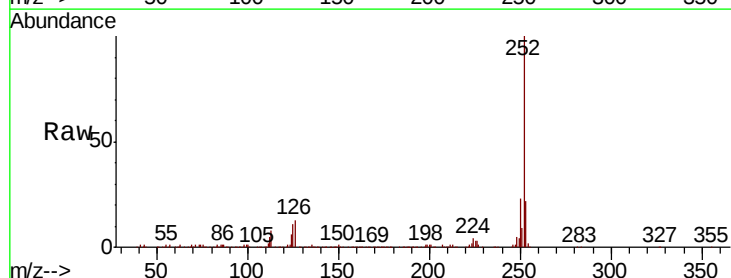
Instrument :
BNA_F
ClientSampleId :

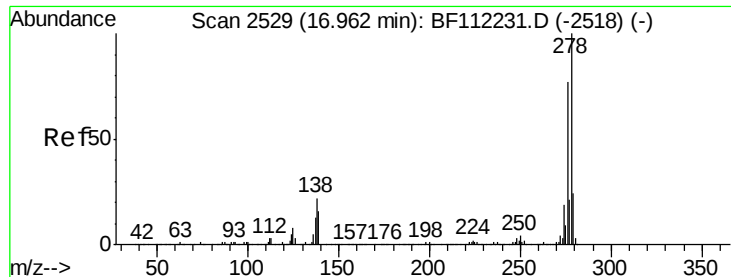
Tot Ion:252 Resp: 395892
Ion Ratio Lower Upper
252 100
253 21.3 18.0 27.0
125 10.1 9.1 13.7



#90
Benzo(a)pyrene
Concen: 33.582 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112640.D
Acq: 20 Feb 2019 14:25

Tgt Ion:252 Resp: 380418
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 10.7 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 42.130 ng

RT: 16.96 min Scan# 2529

Delta R.T. 0.00 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

Instrument :

BNA_F

ClientSampleId :

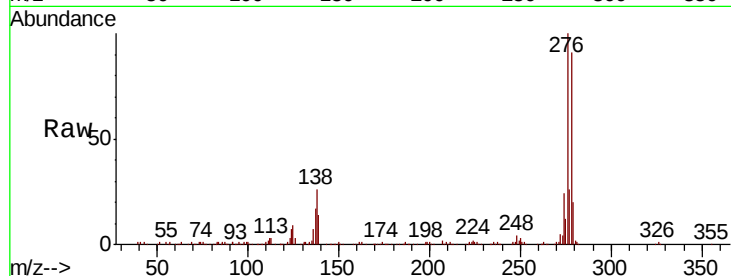
Tot Ion:278 Resp: 384640

Ion Ratio Lower Upper

278 100

139 15.5 13.7 20.5

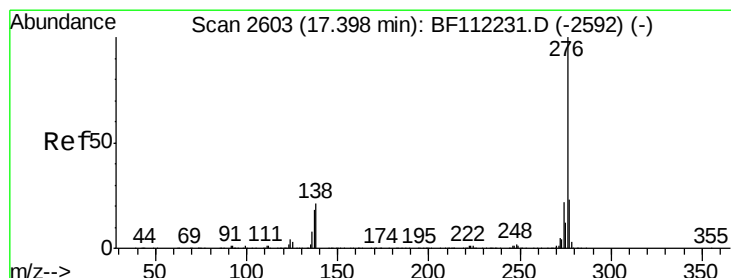
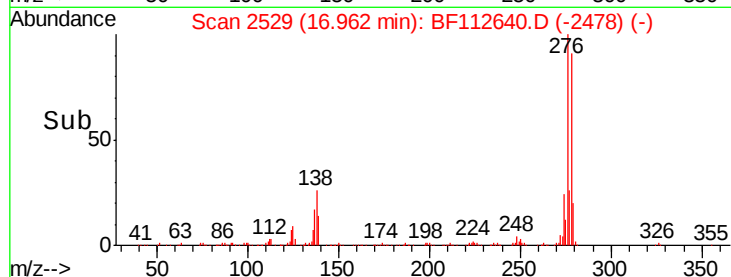
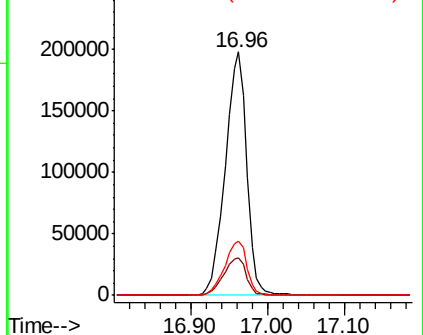
279 22.5 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 43.951 ng

RT: 17.42 min Scan# 2606

Delta R.T. 0.02 min

Lab File: BF112640.D

Acq: 20 Feb 2019 14:25

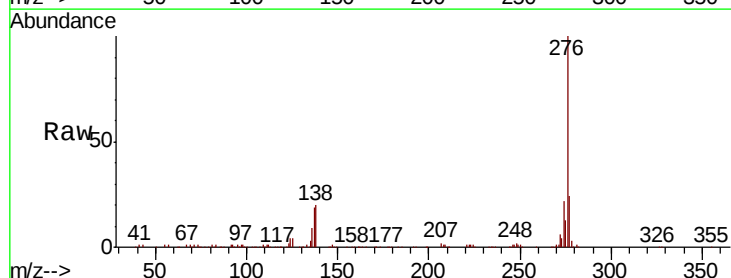
Tgt Ion:276 Resp: 378572

Ion Ratio Lower Upper

276 100

277 23.6 19.4 29.0

138 19.8 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

