

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122018\
 Data File : BF111636.D
 Acq On : 20 Dec 2018 13:44
 Operator : JU/SJ
 Sample : J6481-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VB-1MSD

Quant Time: Dec 21 06:16:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	182911	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	691824	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	339849	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	598337	20.00	ng	0.00
76) Chrysene-d12	14.05	240	409988	20.00	ng	0.00
87) Perylene-d12	15.52	264	426819	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	1403583	130.80	ng	0.01
7) Phenol-d6	6.53	99	1847637	135.29	ng	0.01
23) Nitrobenzene-d5	7.46	82	1155874	97.25	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	534065	133.00	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	2035698	87.31	ng	0.00
79) Terphenyl-d14	13.00	244	1695121	78.41	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.75	88	188465	37.329	ng	96
3) Pyridine	3.50	79	510790	38.833	ng	99
4) n-Nitrosodimethylamine	3.44	42	319116	49.573	ng	86
6) Aniline	6.56	93	614028	35.273	ng	96
8) 2-Chlorophenol	6.69	128	567698	47.758	ng	99
9) Benzaldehyde	6.45	77	428401	45.611	ng	96
10) Phenol	6.55	94	794327	51.550	ng	98
11) bis(2-Chloroethyl)ether	6.63	93	525221	45.487	ng	98
12) 1,3-Dichlorobenzene	6.84	146	615938	44.711	ng	97
13) 1,4-Dichlorobenzene	6.92	146	628178	44.963	ng	96
14) 1,2-Dichlorobenzene	7.07	146	590065	45.268	ng	97
15) Benzyl Alcohol	7.03	79	520265	47.968	ng	92
16) 2,2'-oxybis(1-Chloropropan	7.17	45	931221	43.789	ng	100
17) 2-Methylphenol	7.15	107	454928	47.795	ng	95
18) Hexachloroethane	7.42	117	214811	45.627	ng	# 85
19) n-Nitroso-di-n-propylamine	7.31	70	408518	45.043	ng	98
20) 3+4-Methylphenols	7.30	107	580815	48.293	ng	91
22) Acetophenone	7.30	105	760407	43.386	ng	# 94
24) Nitrobenzene	7.47	77	607671	48.782	ng	98
25) Isophorone	7.72	82	1085620	51.451	ng	97
26) 2-Nitrophenol	7.79	139	284364	56.286	ng	95
27) 2,4-Dimethylphenol	7.83	122	496210	49.824	ng	94
28) bis(2-Chloroethoxy)methane	7.93	93	656765	46.775	ng	99
29) 2,4-Dichlorophenol	8.03	162	502026	46.866	ng	97
30) 1,2,4-Trichlorobenzene	8.12	180	526523	44.109	ng	97
31) Naphthalene	8.20	128	1609980	48.433	ng	97
32) Benzoic acid	7.95	122	301979	45.860	ng	92
33) 4-Chloroaniline	8.24	127	232112	16.155	ng	99
34) Hexachlorobutadiene	8.33	225	308891	42.458	ng	98
35) Caprolactam	8.62	113	148117	40.806	ng	99
36) 4-Chloro-3-methylphenol	8.73	107	499739	47.459	ng	98
37) 2-Methylnaphthalene	8.89	142	1087391	50.280	ng	99
38) 1-Methylnaphthalene	8.99	142	1026651	49.428	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.06	216	508362	45.522	ng	97

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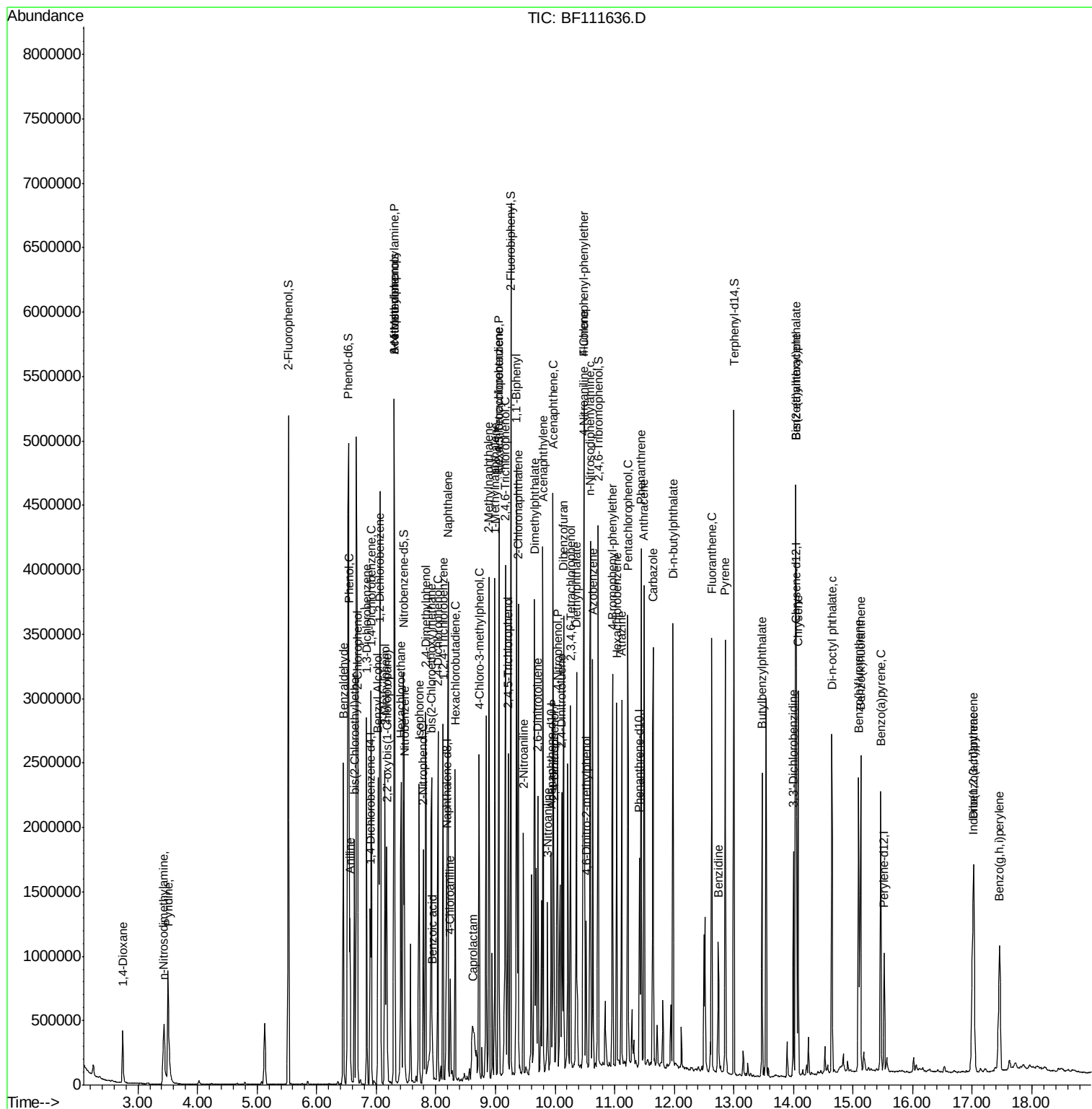
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.05	237	482024	88.948	ng	99
43) 2,4,6-Trichlorophenol	9.17	196	355266	47.649	ng	98
44) 2,4,5-Trichlorophenol	9.21	196	377445	49.346	ng	91
46) 1,1'-Biphenyl	9.36	154	1307560	45.578	ng	95
47) 2-Chloronaphthalene	9.38	162	1023046	45.010	ng	96
48) 2-Nitroaniline	9.47	65	320847	54.260	ng	99
49) Acenaphthylene	9.80	152	1615813	48.689	ng	96
50) Dimethylphthalate	9.66	163	1380332	55.542	ng	98
51) 2,6-Dinitrotoluene	9.71	165	274342	55.361	ng #	86
52) Acenaphthene	9.97	154	1027569	50.203	ng	98
53) 3-Nitroaniline	9.87	138	169239	32.022	ng	96
54) 2,4-Dinitrophenol	9.99	184	184172	112.536	ng #	81
55) Dibenzofuran	10.14	168	1429193	46.218	ng	96
56) 4-Nitrophenol	10.04	139	421559	104.520	ng	92
57) 2,4-Dinitrotoluene	10.12	165	356092	59.789	ng #	99
58) Fluorene	10.49	166	1083752	48.636	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.26	232	324957	50.482	ng	89
60) Diethylphthalate	10.36	149	1159136	47.548	ng	99
61) 4-Chlorophenyl-phenylether	10.47	204	535047	43.461	ng	93
62) 4-Nitroaniline	10.49	138	244540	47.607	ng	90
63) Azobenzene	10.63	77	1084758	44.323	ng	96
65) 4,6-Dinitro-2-methylphenol	10.52	198	128582	51.440	ng	87
66) n-Nitrosodiphenylamine	10.59	169	969727	48.281	ng	98
67) 4-Bromophenyl-phenylether	10.96	248	346354	46.670	ng	94
68) Hexachlorobenzene	11.03	284	377238	45.590	ng	96
69) Atrazine	11.12	200	321243	46.039	ng	96
70) Pentachlorophenol	11.22	266	404049	78.986	ng	97
71) Phenanthrene	11.44	178	1517574	47.825	ng	95
72) Anthracene	11.50	178	1529070	48.007	ng	95
73) Carbazole	11.64	167	1296210	41.918	ng	95
74) Di-n-butylphthalate	11.98	149	1609746	46.429	ng	97
75) Fluoranthene	12.63	202	1335803	41.571	ng	96
77) Benzidine	12.74	184	345621	22.403	ng	97
78) Pyrene	12.86	202	1304184	45.046	ng	97
80) Butylbenzylphthalate	13.47	149	549116	46.528	ng #	86
81) Benzo(a)anthracene	14.04	228	1114156	47.618	ng	99
82) 3,3'-Dichlorobenzidine	14.00	252	343756	37.184	ng #	97
83) Chrysene	14.08	228	1098518	47.769	ng	98
84) Bis(2-ethylhexyl)phthalate	14.03	149	714229	48.046	ng #	99
85) Di-n-octyl phthalate	14.64	149	1211621	52.606	ng	96
86) Indeno(1,2,3-cd)pyrene	17.01	276	1055550	53.994	ng #	88
88) Benzo(b)fluoranthene	15.09	252	1224909	49.104	ng #	96
89) Benzo(k)fluoranthene	15.13	252	1071114	45.103	ng #	96
90) Benzo(a)pyrene	15.46	252	1114531	49.179	ng #	96
91) Dibenzo(a,h)anthracene	17.03	278	893871	45.042	ng #	92
92) Benzo(g,h,i)perylene	17.46	276	818217	42.223	ng #	89

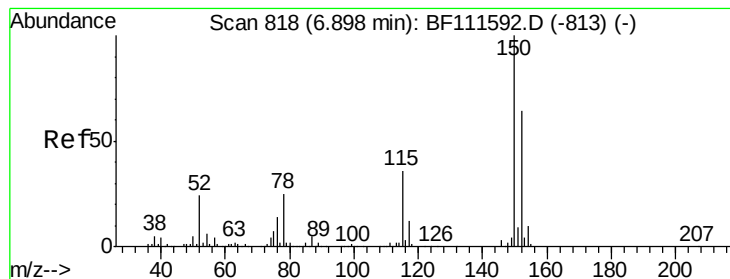
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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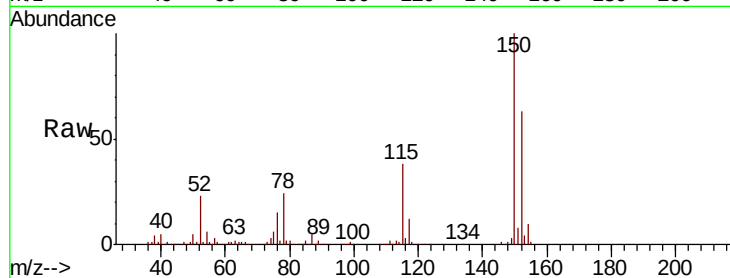


#1

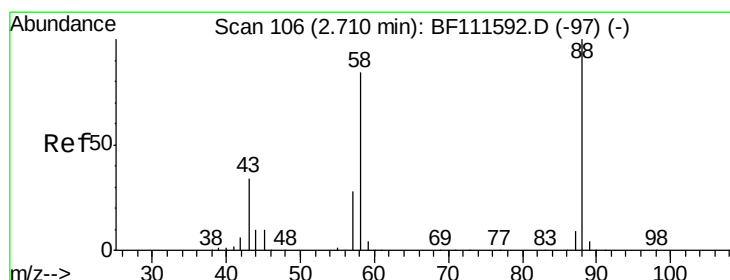
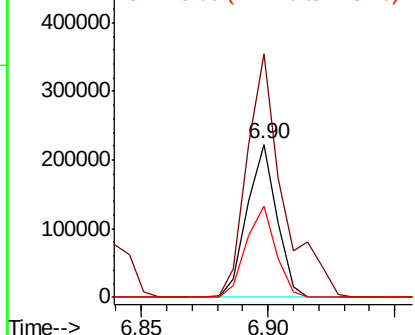
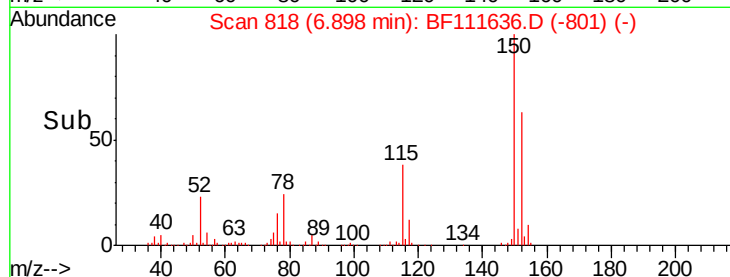
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tgt Ion: 152 Resp: 182911
Ion Ratio Lower Upper
152 100
150 158.8 126.6 189.8
115 59.6 50.7 76.1



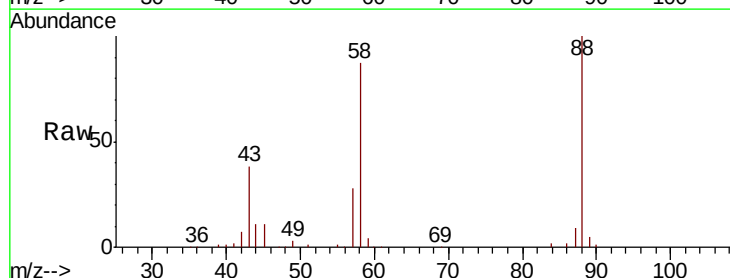
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



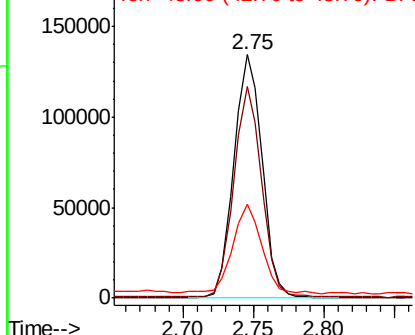
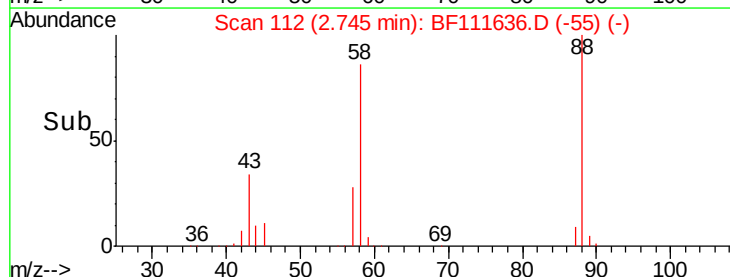
#2

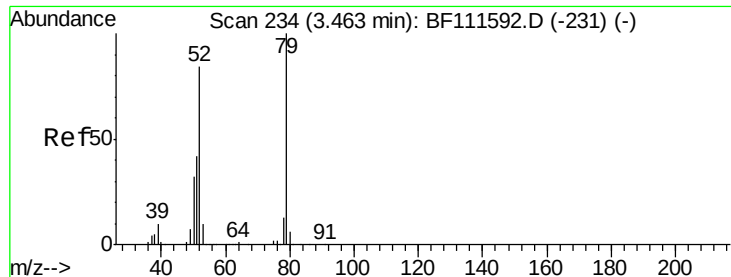
1,4-Dioxane
Concen: 37.329 ng
RT: 2.75 min Scan# 112
Delta R.T. 0.04 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion: 88 Resp: 188465
Ion Ratio Lower Upper
88 100
58 83.7 68.9 103.3
43 36.4 25.8 38.6



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





#3

Pyridine

Concen: 38.833 ng

RT: 3.50 min Scan# 241

Delta R.T. 0.04 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

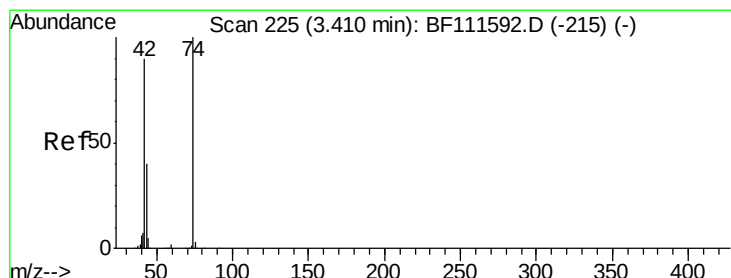
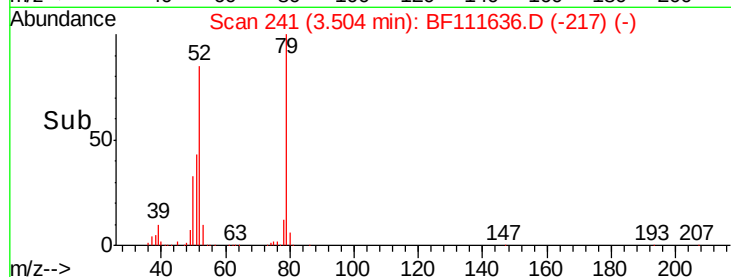
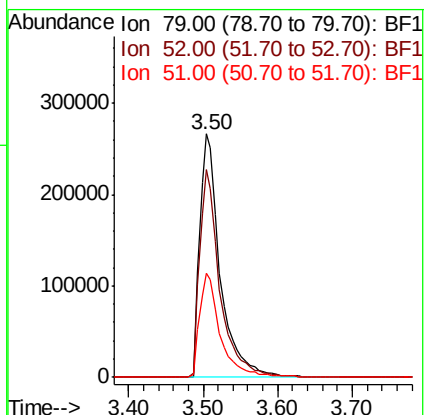
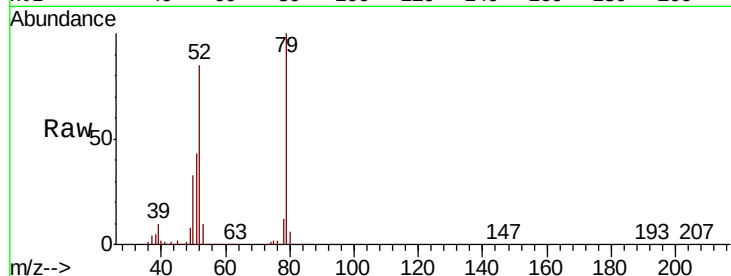
Tgt Ion: 79 Resp: 510790

Ion Ratio Lower Upper

79 100

52 85.2 68.3 102.5

51 43.0 32.6 49.0



#4

n-Nitrosodimethylamine

Concen: 49.573 ng

RT: 3.44 min Scan# 230

Delta R.T. 0.03 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

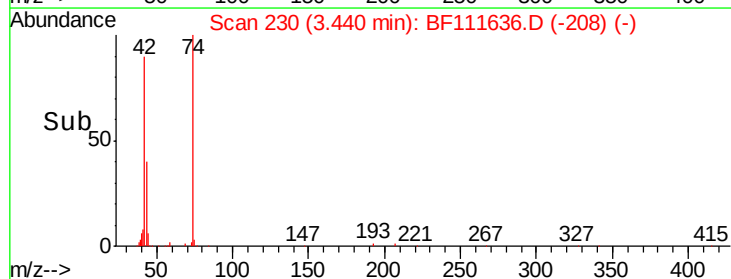
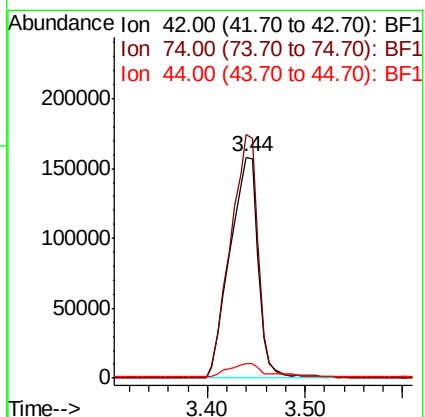
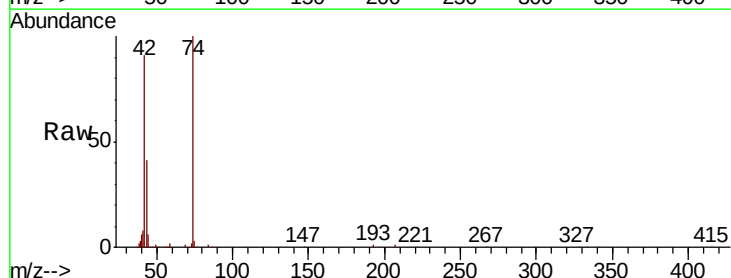
Tgt Ion: 42 Resp: 319116

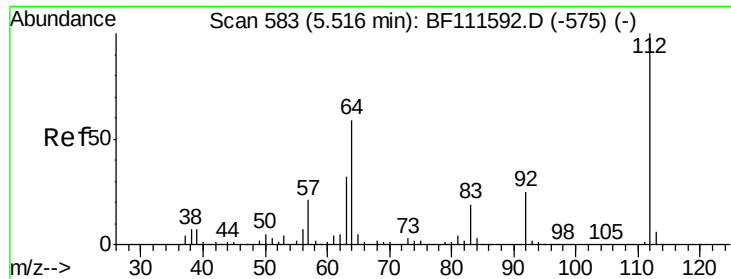
Ion Ratio Lower Upper

42 100

74 110.4 101.5 152.3

44 6.8 6.0 9.0





#5

2-Fluorophenol

Concen: 130.799 ng

RT: 5.53 min Scan# 585

Delta R.T. 0.01 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

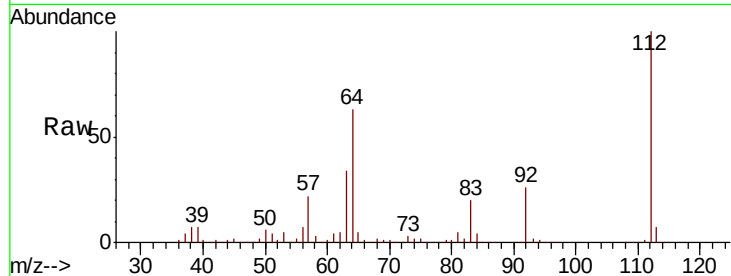
Tgt Ion: 112 Resp: 1403583

Ion Ratio Lower Upper

112 100

64 62.9 51.8 77.6

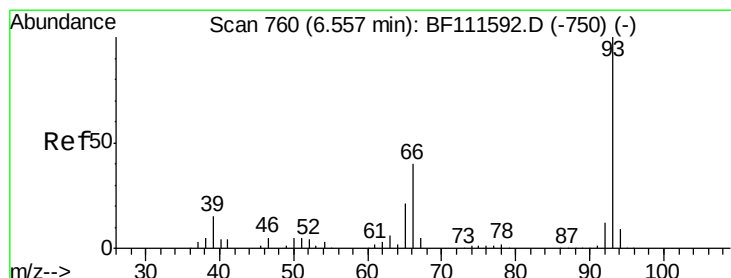
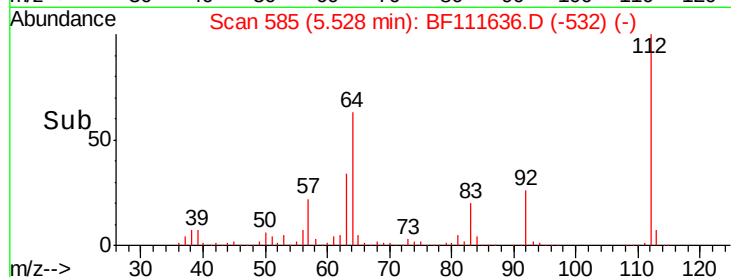
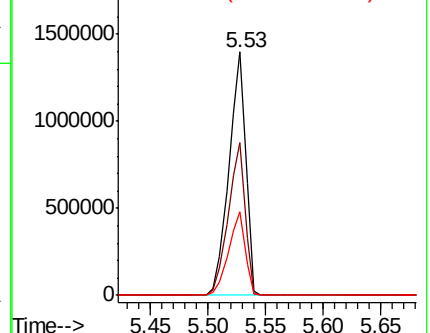
63 34.3 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 35.273 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.01 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

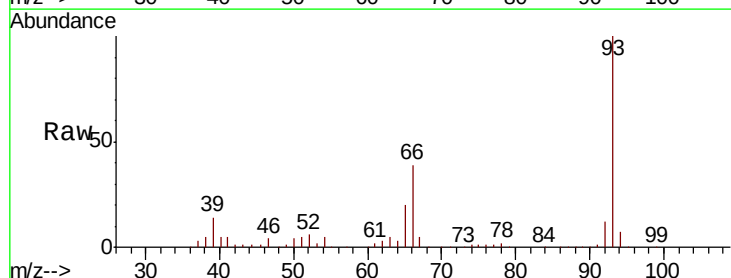
Tgt Ion: 93 Resp: 614028

Ion Ratio Lower Upper

93 100

66 38.5 33.2 49.8

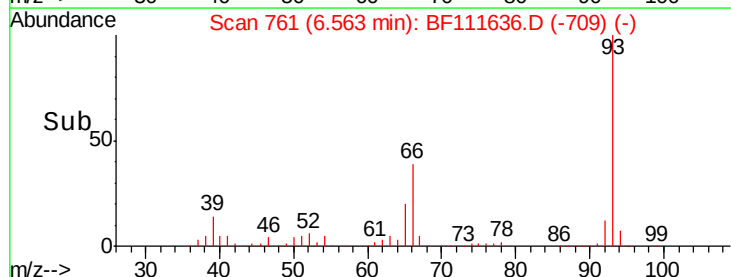
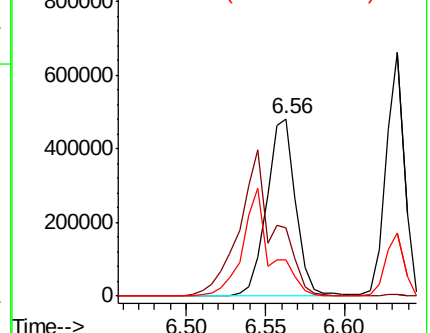
65 20.2 17.0 25.4

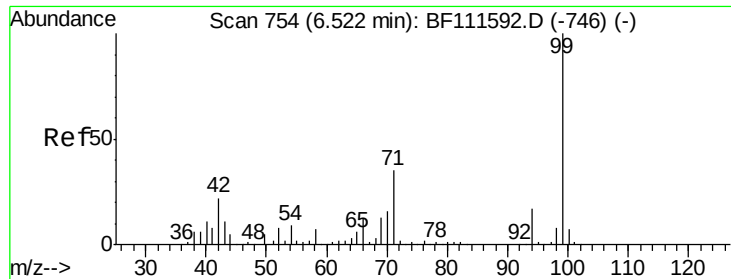


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 135.292 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF111636.D

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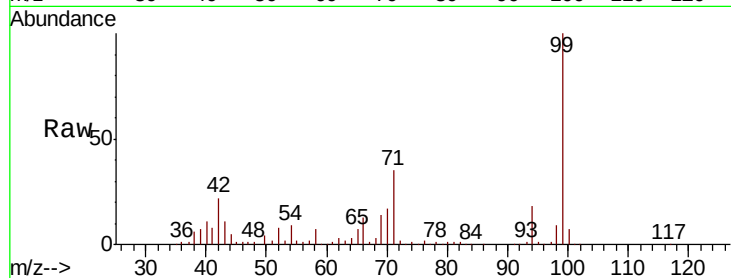
Tgt Ion: 99 Resp: 1847637

Ion Ratio Lower Upper

99 100

42 22.3 17.4 26.0

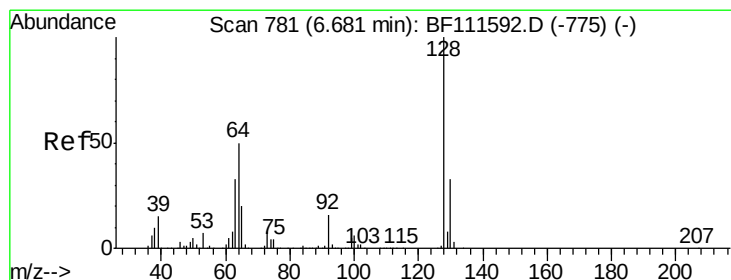
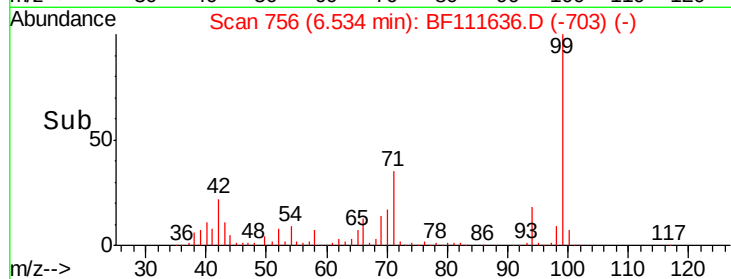
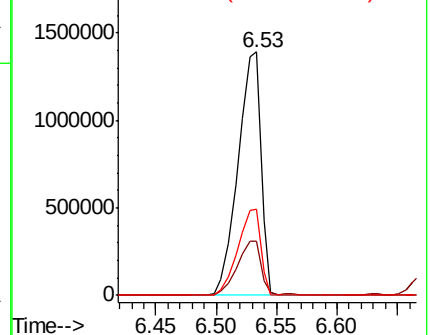
71 35.4 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 47.758 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.01 min

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Acq: 20 Dec 2018 13:44

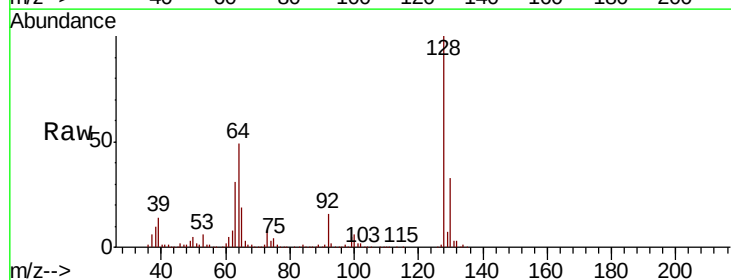
Tgt Ion: 128 Resp: 567698

Ion Ratio Lower Upper

128 100

130 33.2 12.7 52.7

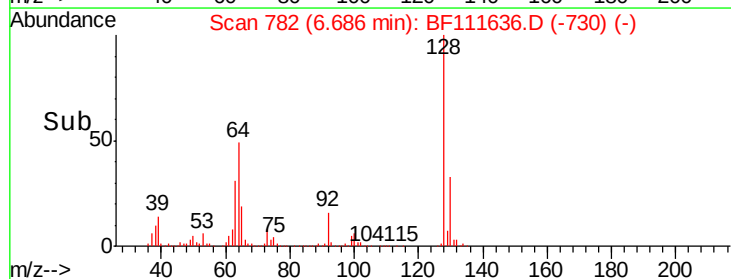
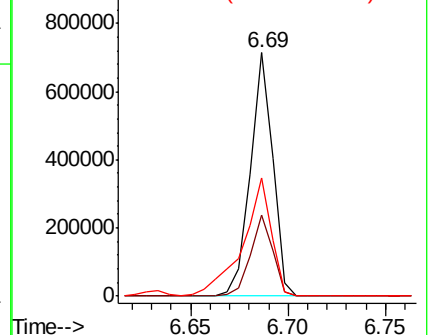
64 48.8 30.0 70.0

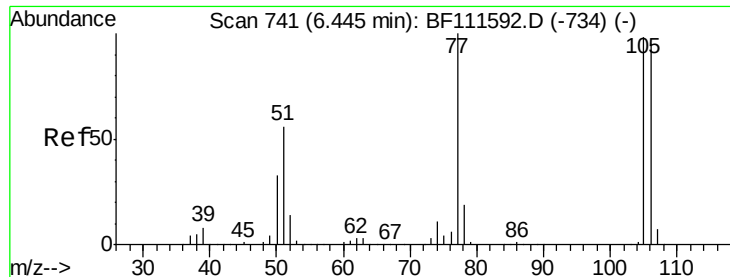


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 45.611 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

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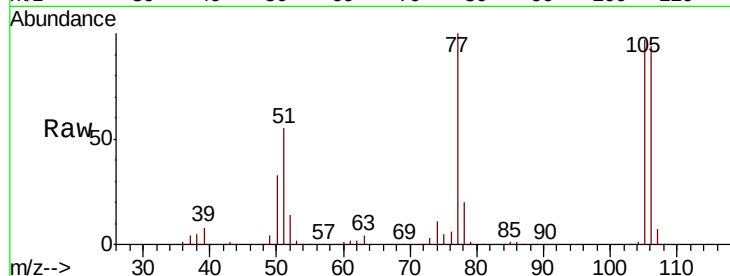
Tgt Ion: 77 Resp: 428401

Ion Ratio Lower Upper

77 100

105 97.4 81.4 121.4

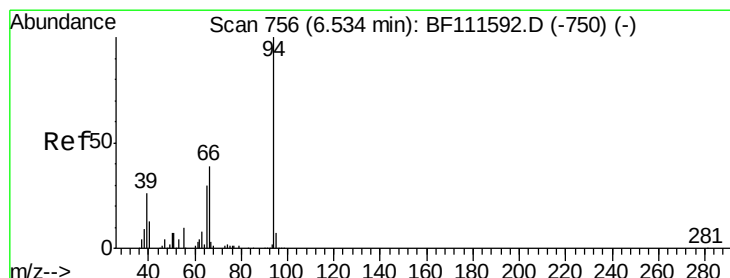
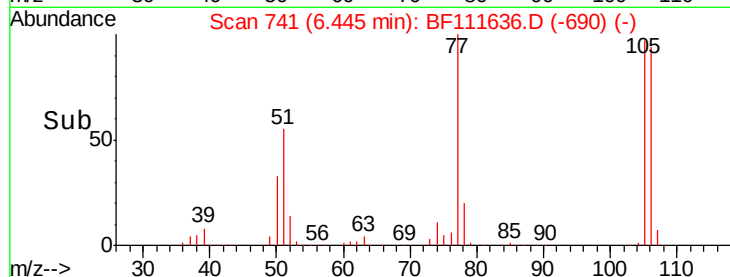
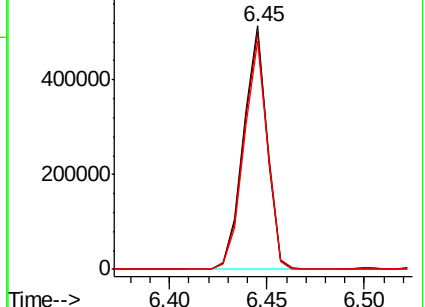
106 93.7 77.9 117.9



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 51.550 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.01 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

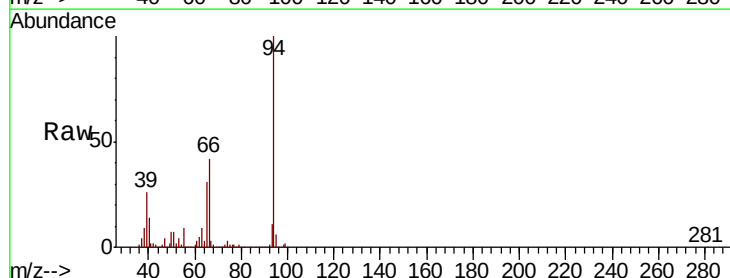
Tgt Ion: 94 Resp: 794327

Ion Ratio Lower Upper

94 100

65 31.3 11.7 51.7

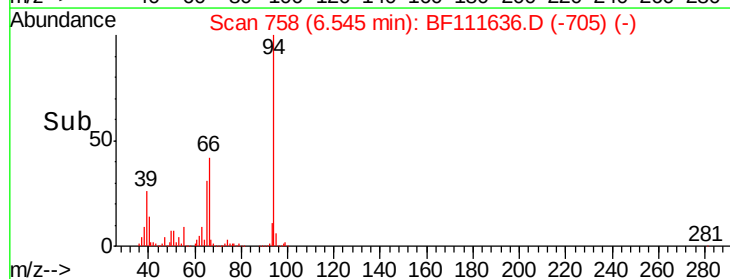
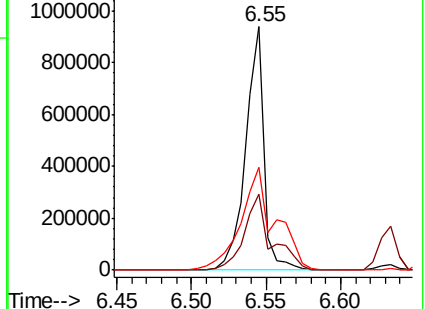
66 42.5 21.0 61.0

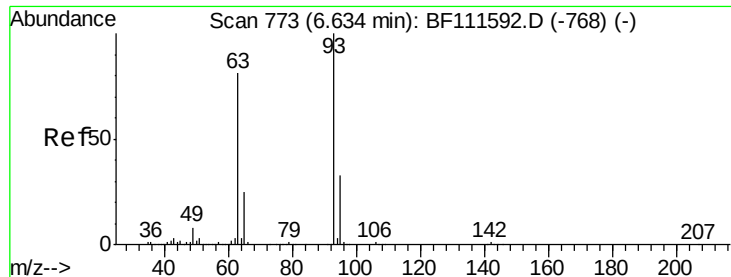


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 45.487 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

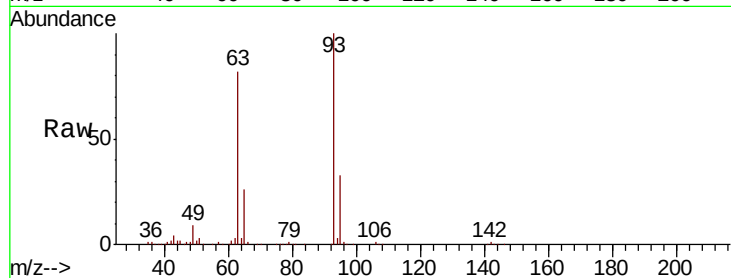
Tgt Ion: 93 Resp: 525221

Ion Ratio Lower Upper

93 100

63 82.3 60.0 100.0

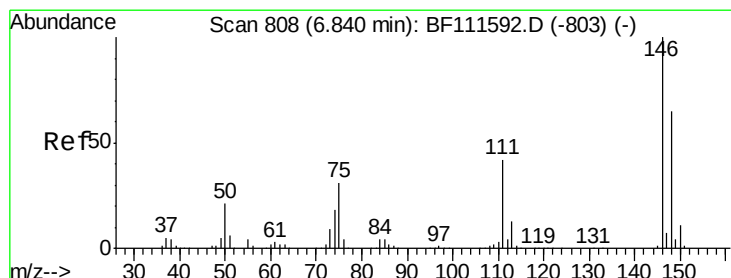
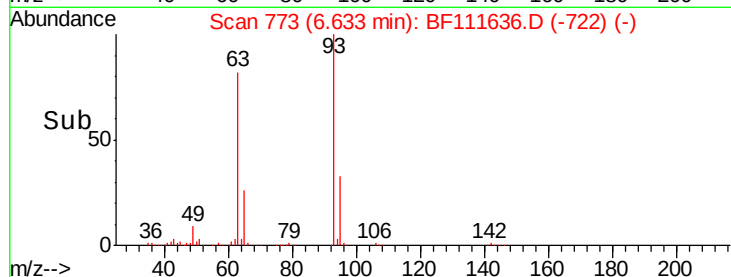
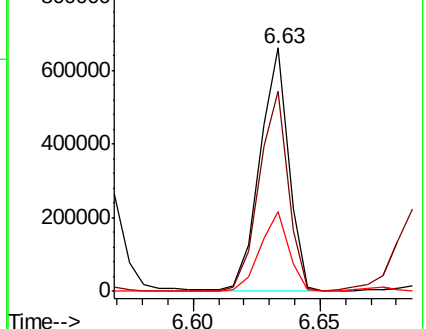
95 32.9 13.4 53.4



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 44.711 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

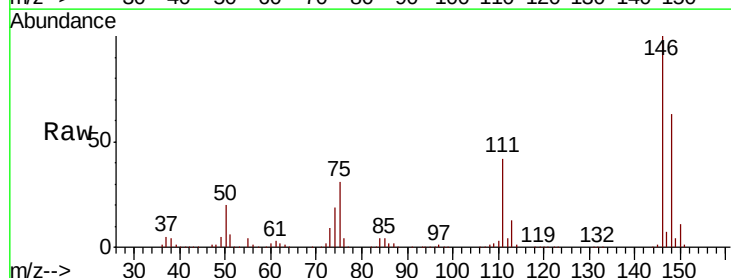
Tgt Ion: 146 Resp: 615938

Ion Ratio Lower Upper

146 100

148 63.0 52.1 78.1

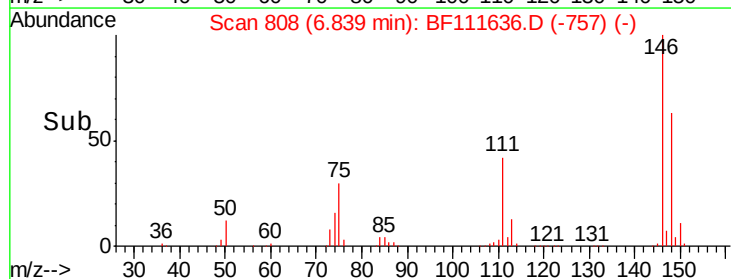
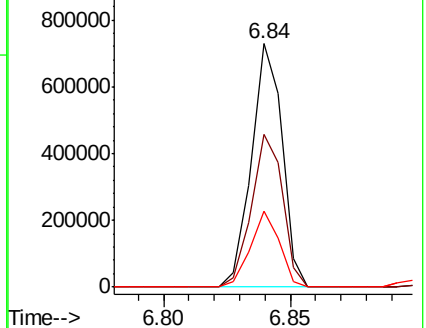
75 31.0 23.9 35.9

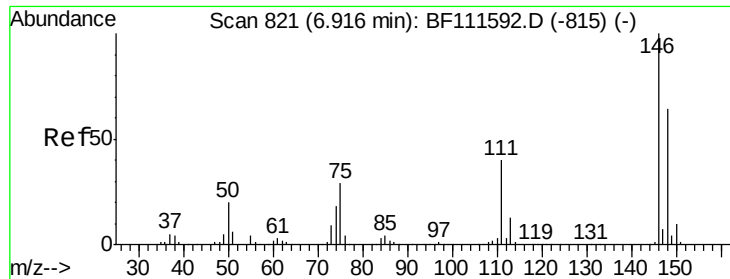


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1

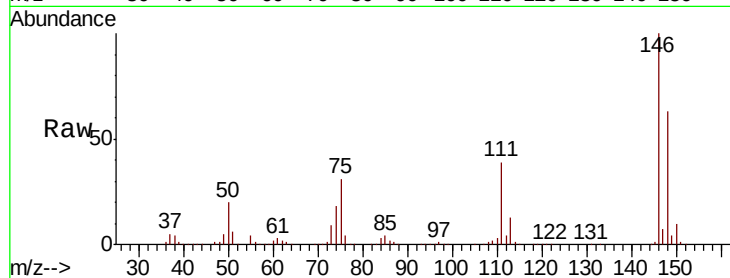




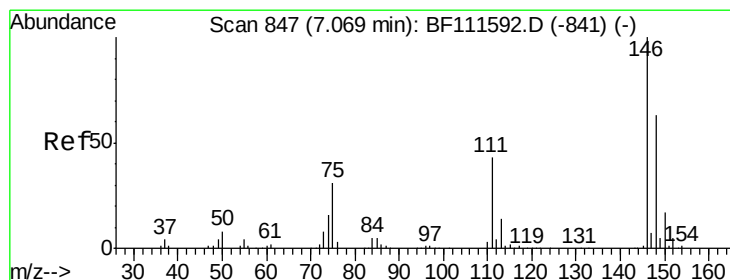
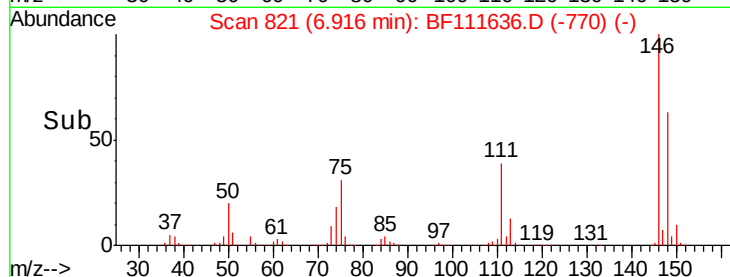
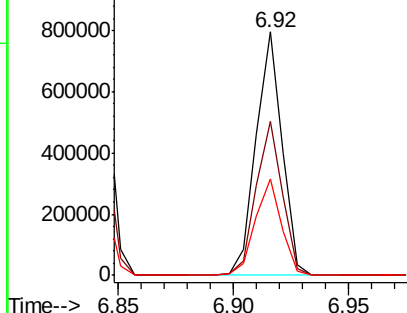
#13
 1,4-Dichlorobenzene
 Concen: 44.963 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Instrument :
 BNA_F
 ClientSampled :
 VB-1MSD

Tgt Ion:146 Resp: 628178
 Ion Ratio Lower Upper
 146 100
 148 63.0 52.8 79.2
 111 39.4 33.4 50.0

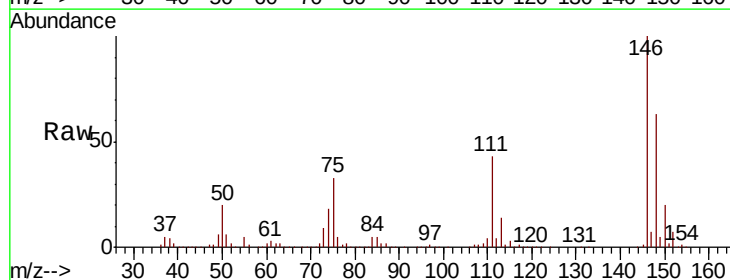


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

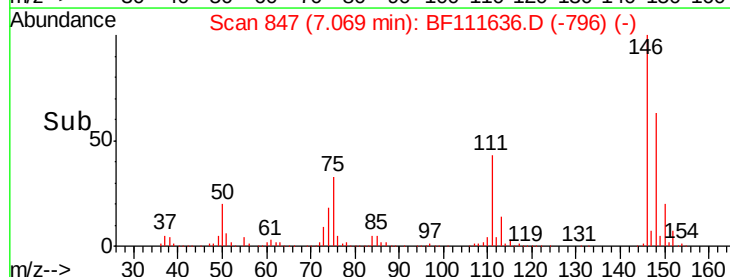
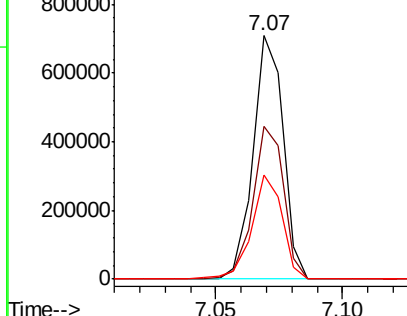


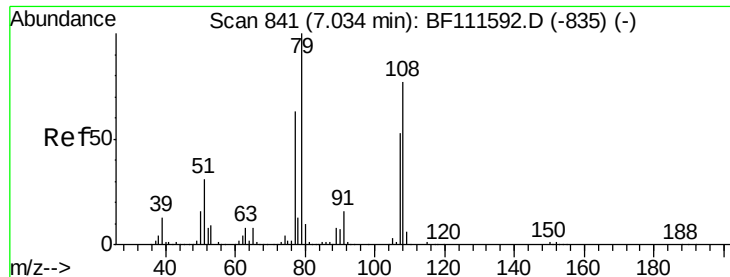
#14
 1,2-Dichlorobenzene
 Concen: 45.268 ng
 RT: 7.07 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Tgt Ion:146 Resp: 590065
 Ion Ratio Lower Upper
 146 100
 148 62.9 51.9 77.9
 111 43.0 36.2 54.4



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: 47.968 ng

RT: 7.03 min Scan# 841

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

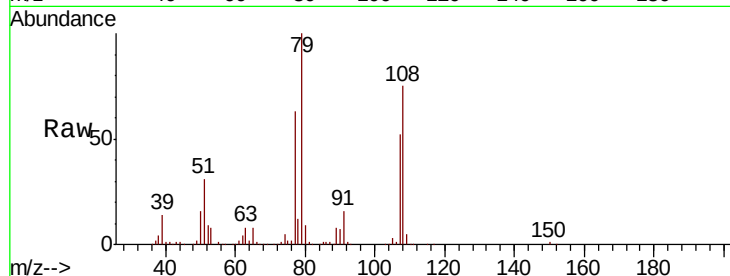
Tgt Ion: 79 Resp: 520265

Ion Ratio Lower Upper

79 100

108 74.7 69.4 104.2

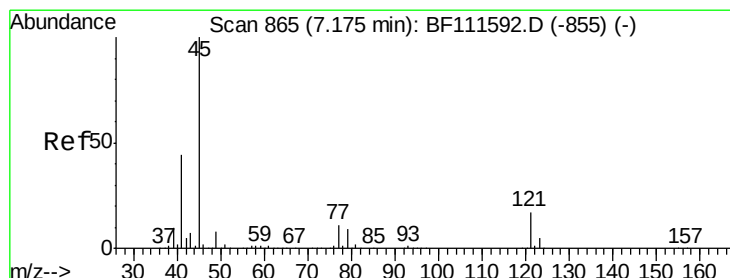
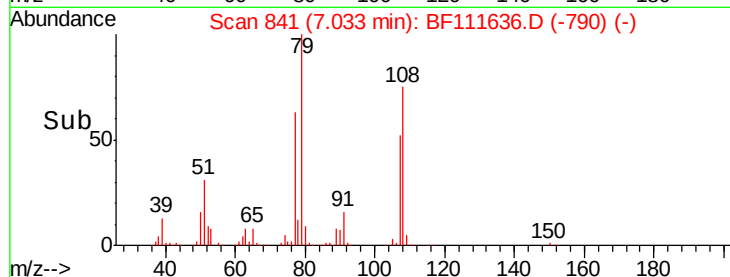
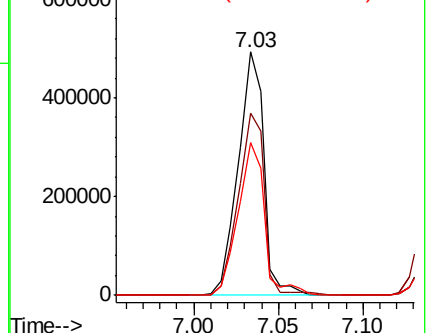
77 62.6 49.7 74.5



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 43.789 ng

RT: 7.17 min Scan# 865

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

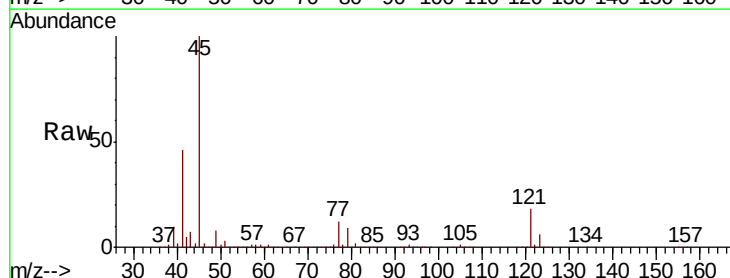
Tgt Ion: 45 Resp: 931221

Ion Ratio Lower Upper

45 100

77 11.7 0.0 31.5

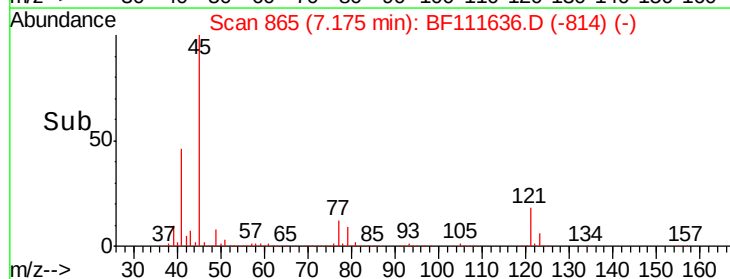
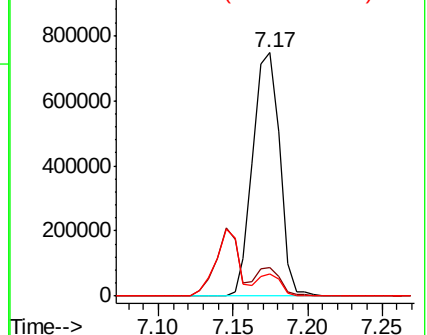
79 9.1 0.0 28.9

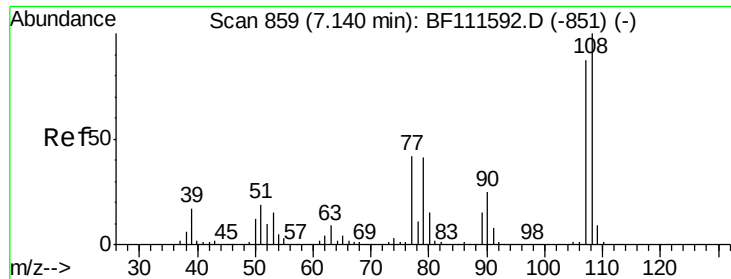


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

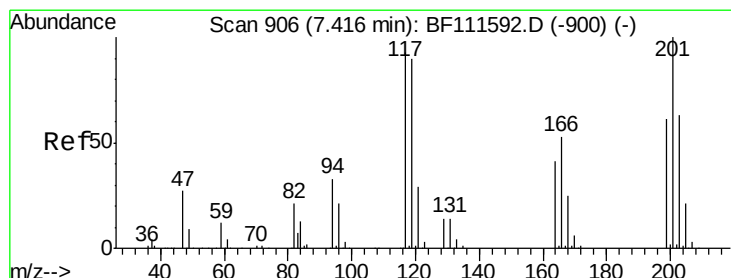
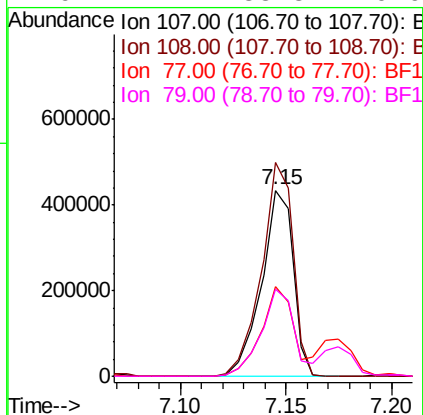
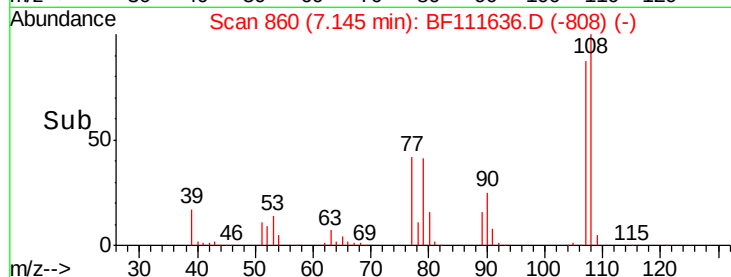
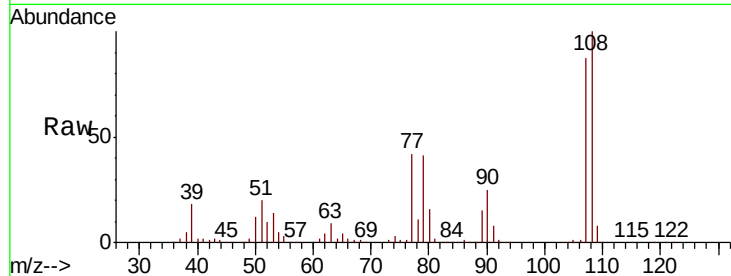




#17
2-Methylphenol
Concen: 47.795 ng
RT: 7.15 min Scan# 860
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

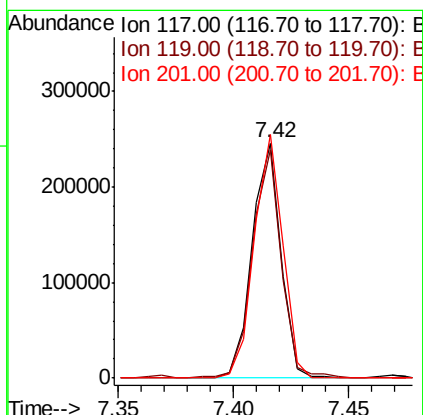
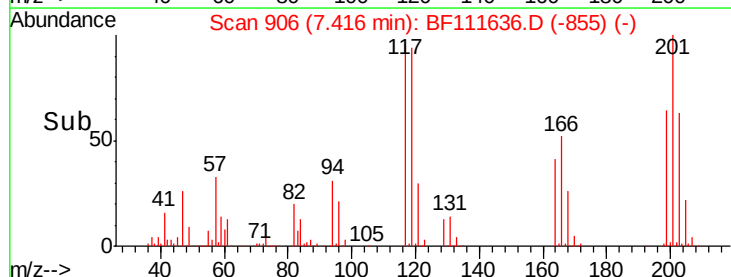
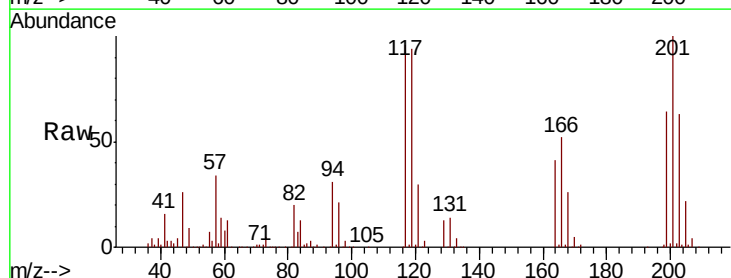
Instrument :
BNA_F
ClientSampleId :
VB-1MSD

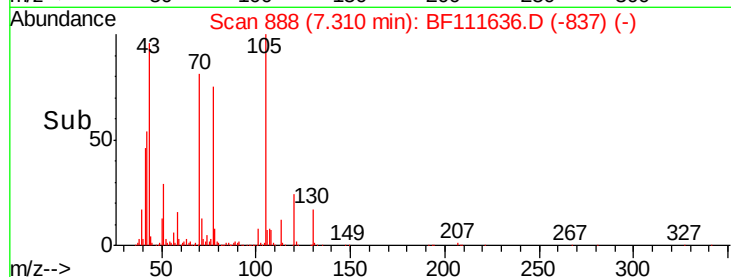
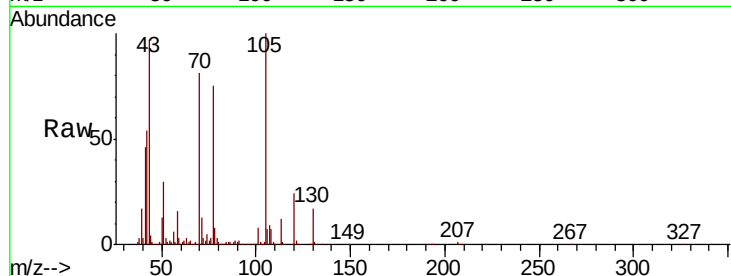
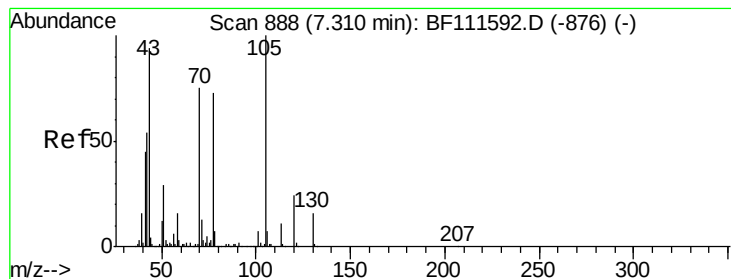
Tgt Ion:107 Resp: 454928
Ion Ratio Lower Upper
107 100
108 114.9 91.0 136.4
77 48.2 33.5 50.3
79 47.1 33.3 49.9



#18
Hexachloroethane
Concen: 45.627 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion:117 Resp: 214811
Ion Ratio Lower Upper
117 100
119 97.3 75.4 113.0
201 103.7 62.4 93.6#





#19

n-Nitroso-di-n-propylamine

Concen: 45.043 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

Tgt Ion: 70 Resp: 408518

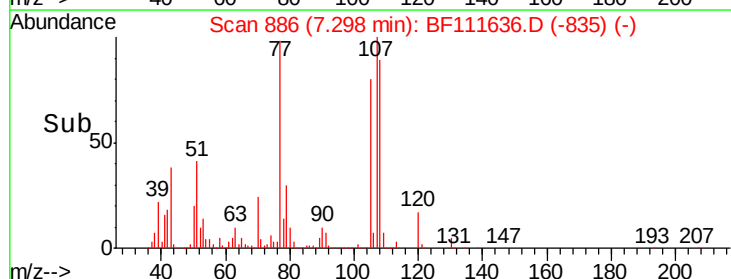
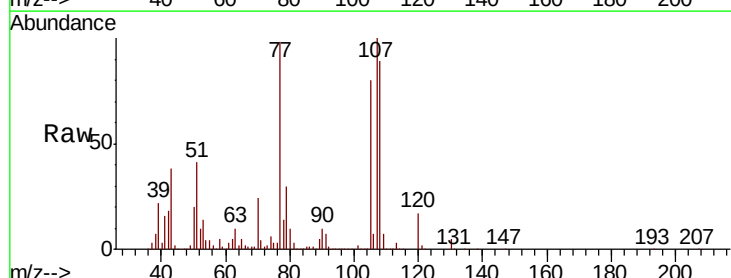
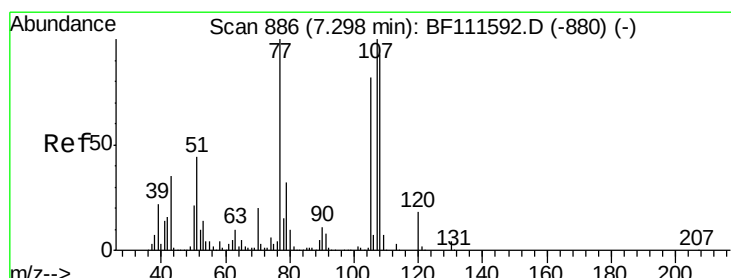
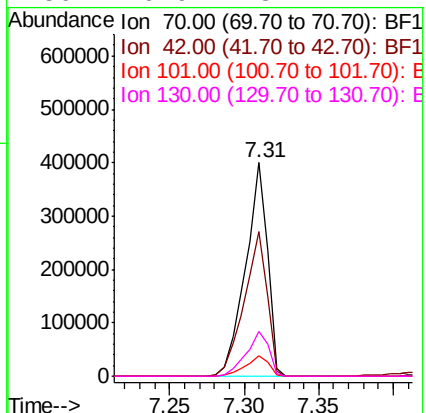
Ion Ratio Lower Upper

70 100

42 67.5 53.2 79.8

101 9.4 8.2 12.4

130 20.9 18.1 27.1



#20

3+4-Methylphenols

Concen: 48.293 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Tgt Ion: 107 Resp: 580815

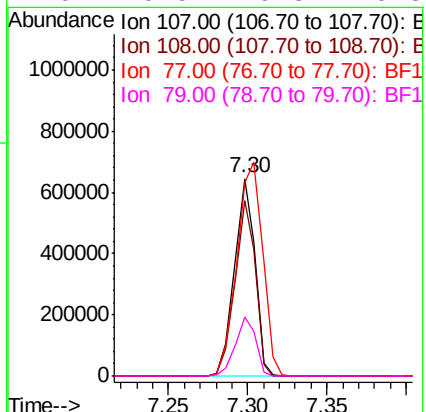
Ion Ratio Lower Upper

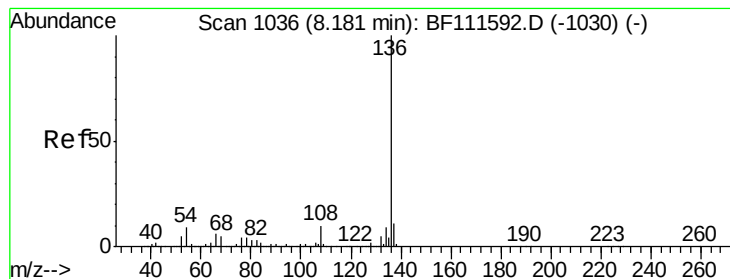
107 100

108 88.9 72.1 112.1

77 97.7 94.1 134.1

79 29.5 9.8 49.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

Tgt Ion:136 Resp: 691824

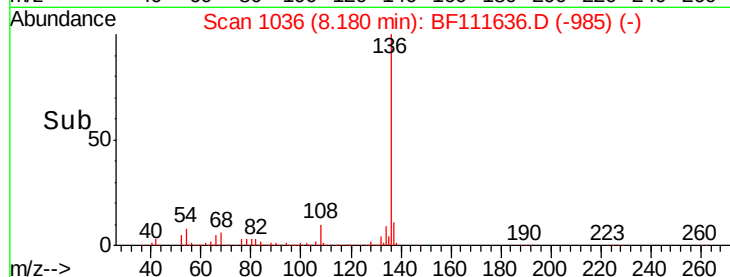
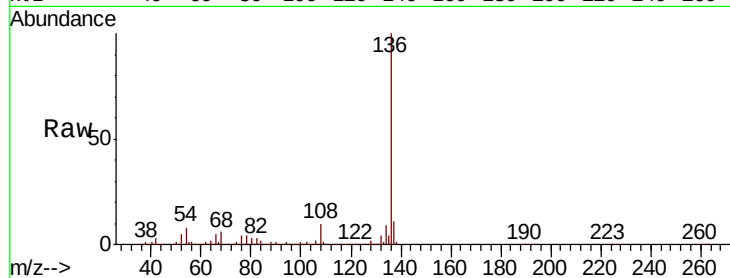
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 8.4 7.7 11.5

68 5.7 4.9 7.3

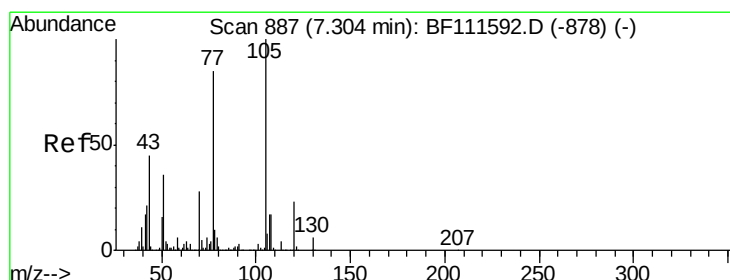
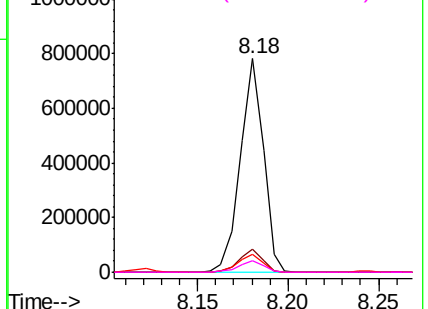


Abundance Ion 136.00 (135.70 to 136.70): E

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: 43.386 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Tgt Ion:105 Resp: 760407

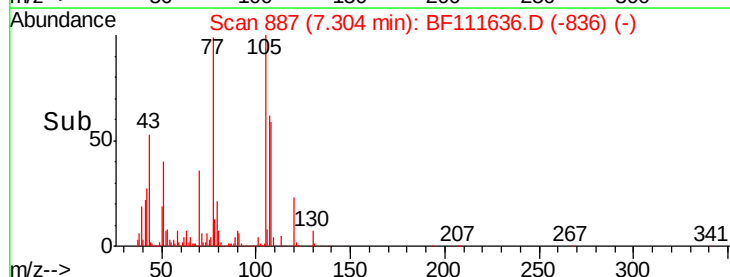
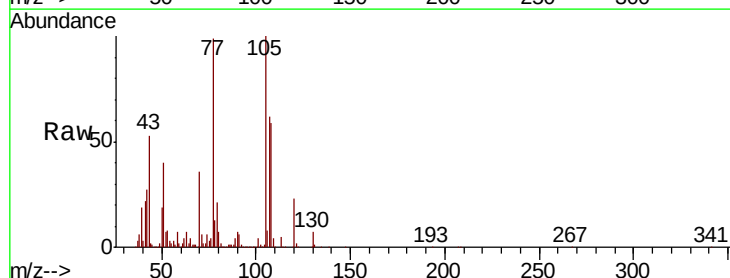
Ion Ratio Lower Upper

105 100

71 6.3 3.1 4.7#

51 40.5 36.6 54.8

120 22.5 18.2 27.4

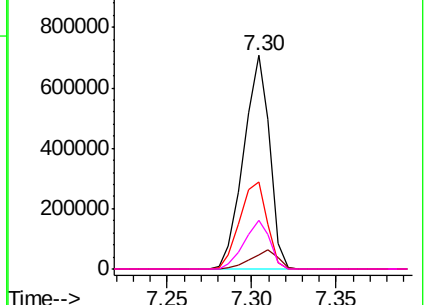


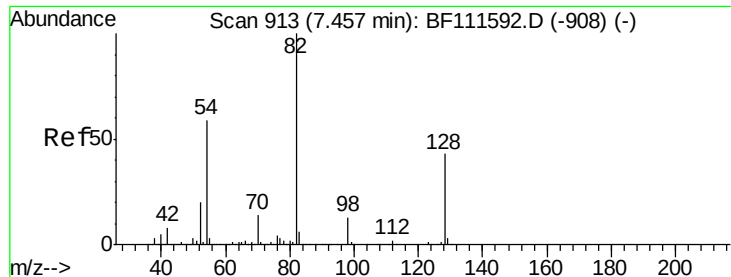
Abundance Ion 105.00 (104.70 to 105.70): E

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

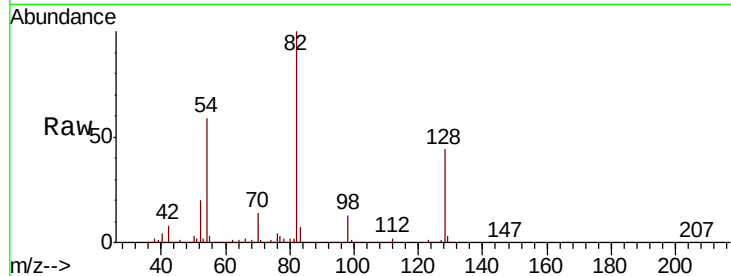




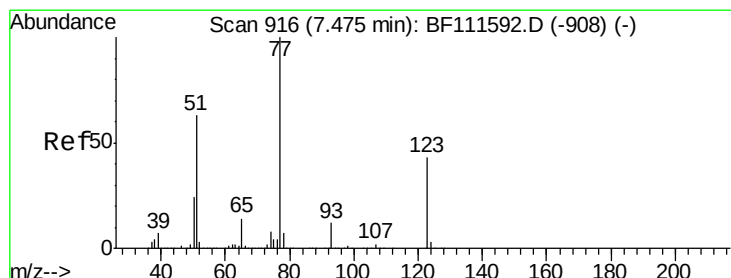
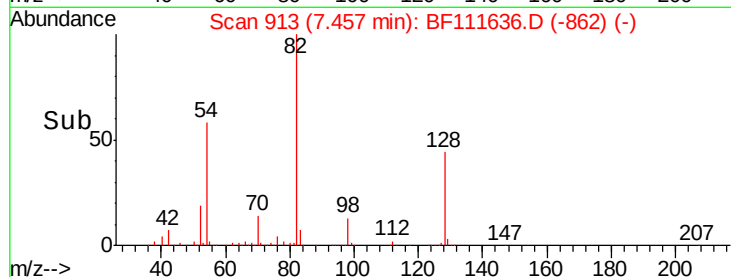
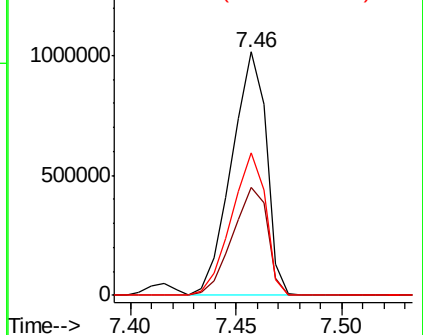
#23
 Nitrobenzene-d5
 Concen: 97.251 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Instrument :
 BNA_F
 ClientSampleId :
 VB-1MSD

Tgt Ion: 82 Resp: 1155874
 Ion Ratio Lower Upper
 82 100
 128 44.2 37.4 56.2
 54 58.6 47.6 71.4

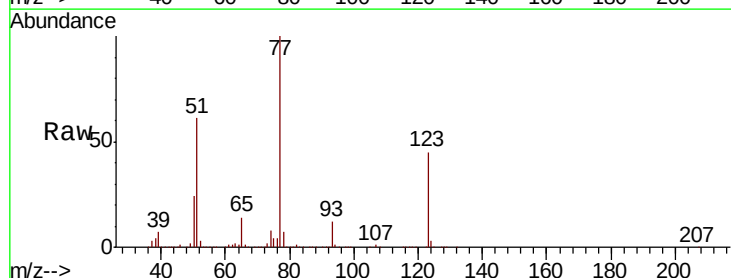


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

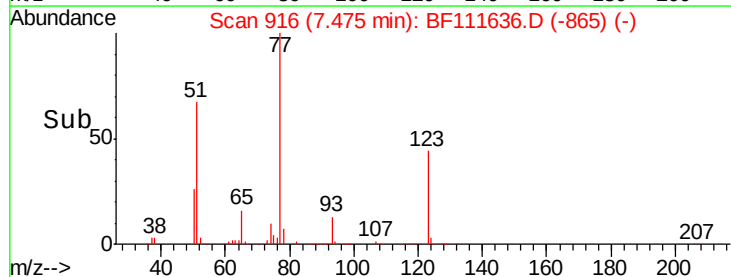
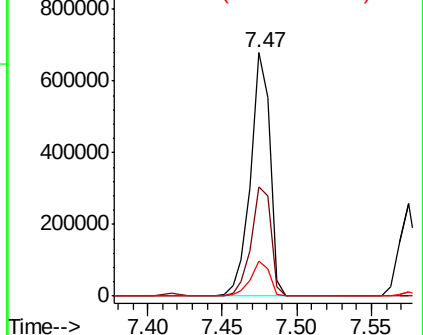


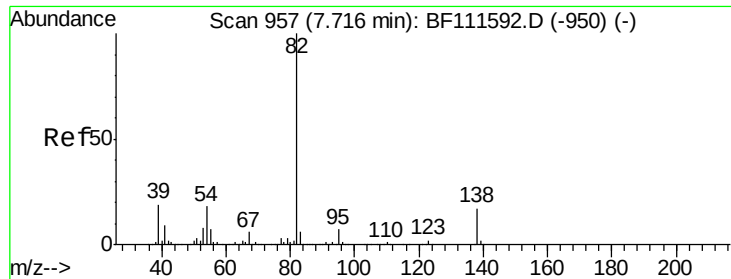
#24
 Nitrobenzene
 Concen: 48.782 ng
 RT: 7.47 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Tgt Ion: 77 Resp: 607671
 Ion Ratio Lower Upper
 77 100
 123 44.8 37.2 55.8
 65 14.4 11.5 17.3



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: 51.451 ng

RT: 7.72 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

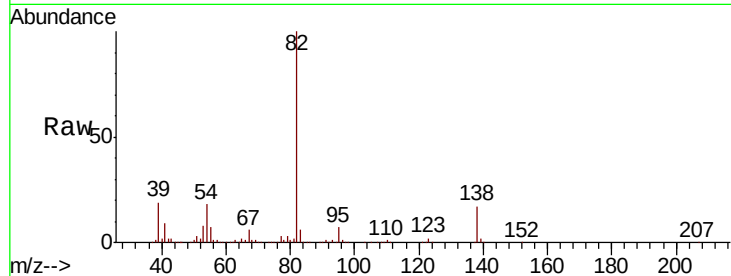
Tgt Ion: 82 Resp: 1085620

Ion Ratio Lower Upper

82 100

95 7.3 5.4 8.2

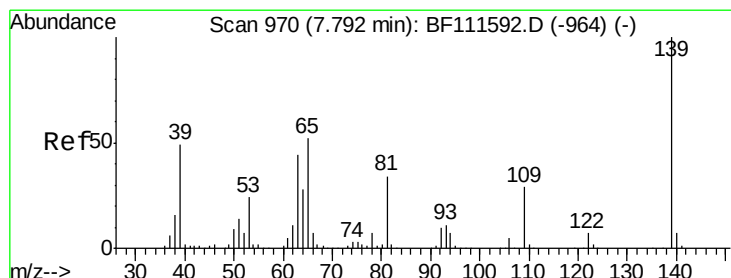
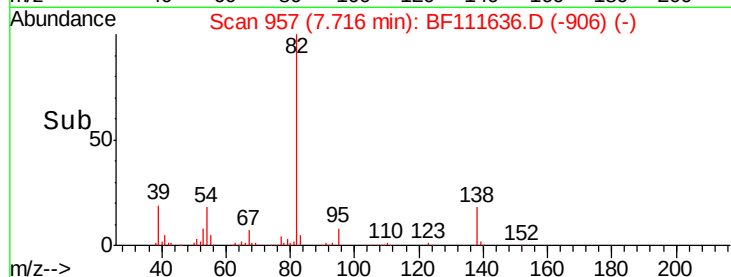
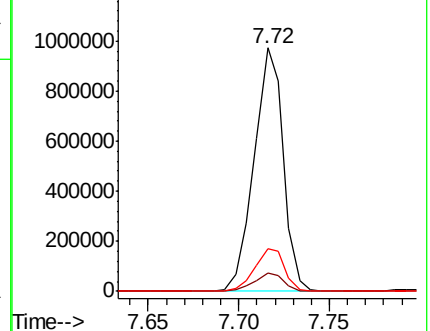
138 17.3 15.1 22.7



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 56.286 ng

RT: 7.79 min Scan# 970

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

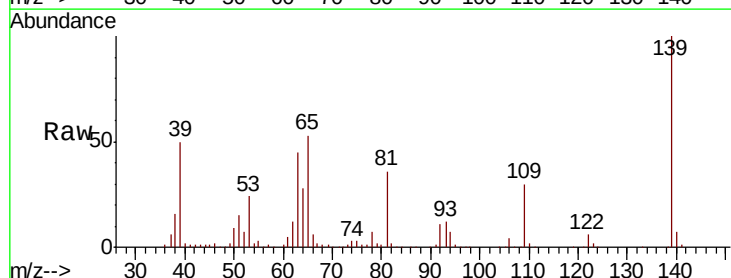
Tgt Ion: 139 Resp: 284364

Ion Ratio Lower Upper

139 100

109 29.7 20.2 30.4

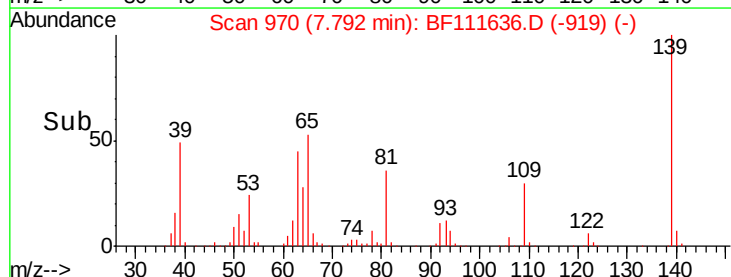
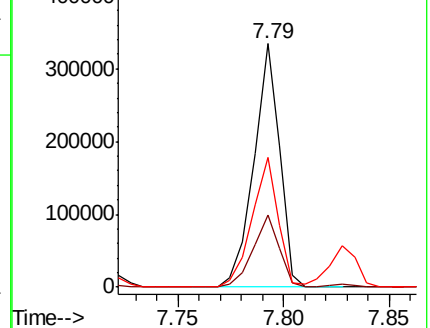
65 53.4 40.7 61.1

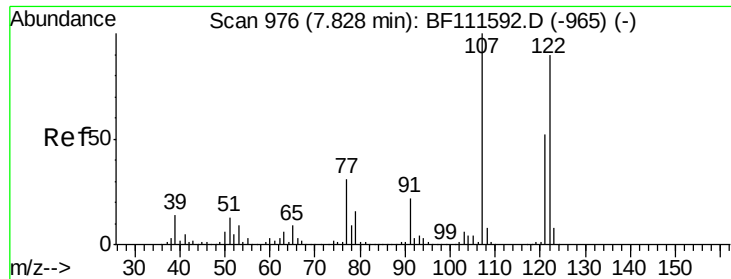


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

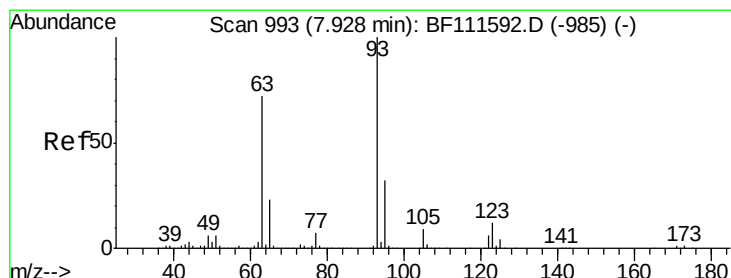
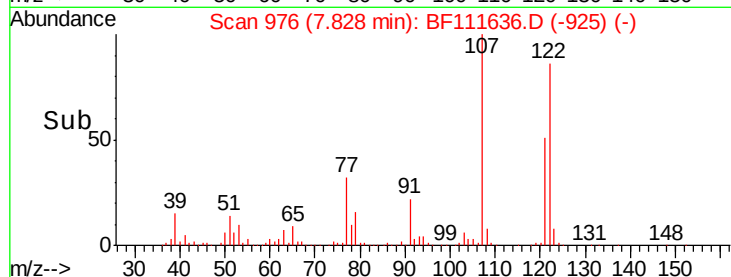
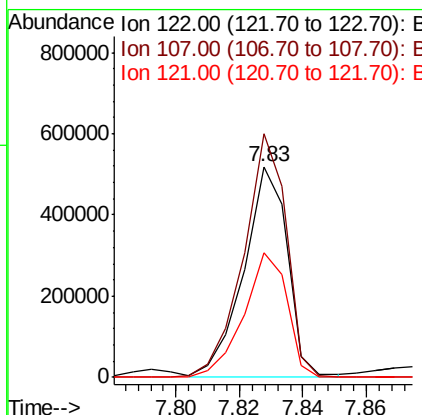
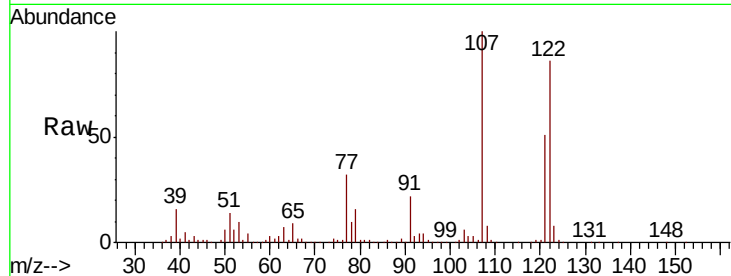




#27
2,4-Dimethylphenol
Concen: 49.824 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

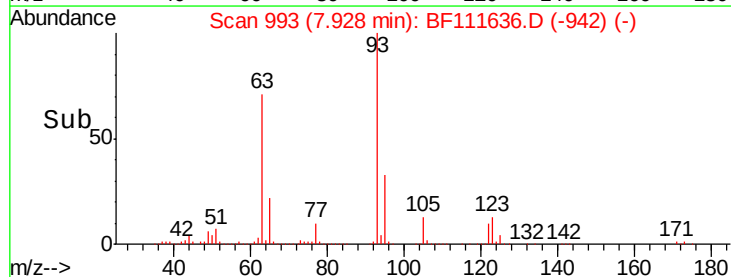
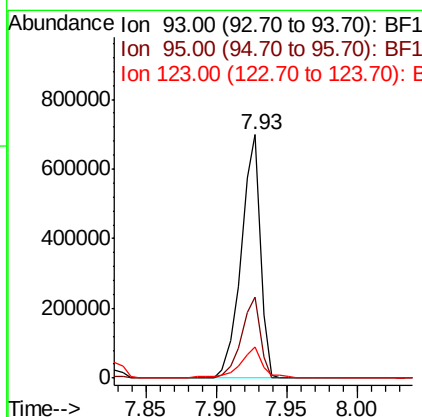
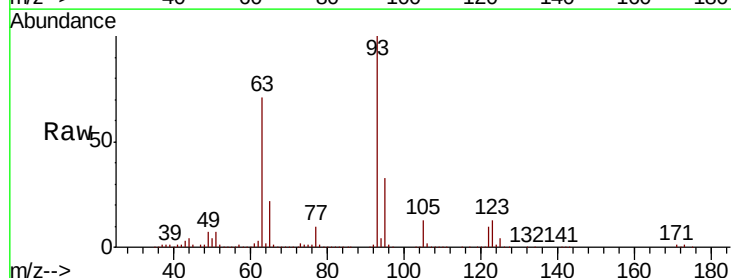
Instrument :
BNA_F
ClientSampleId :
VB-1MSD

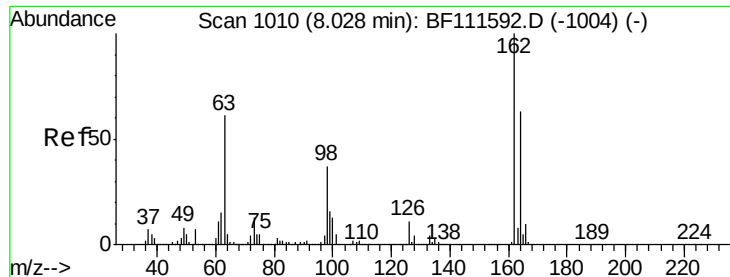
Tgt Ion:122 Resp: 496210
Ion Ratio Lower Upper
122 100
107 115.6 85.5 128.3
121 58.9 46.6 70.0



#28
bis(2-Chloroethoxy)methane
Concen: 46.775 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion: 93 Resp: 656765
Ion Ratio Lower Upper
93 100
95 33.0 27.1 40.7
123 12.7 9.9 14.9

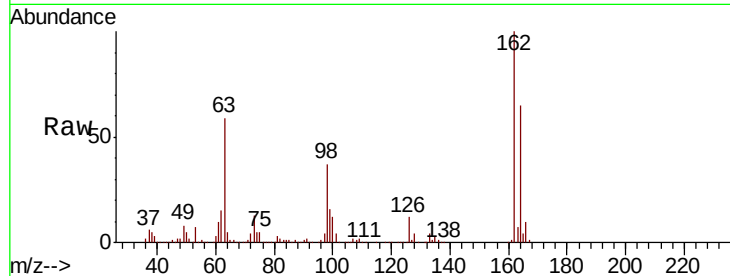




#29
2,4-Dichlorophenol
Concen: 46.866 ng
RT: 8.03 min Scan# 1011
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.4	84.4
98	36.6	20.3	60.3

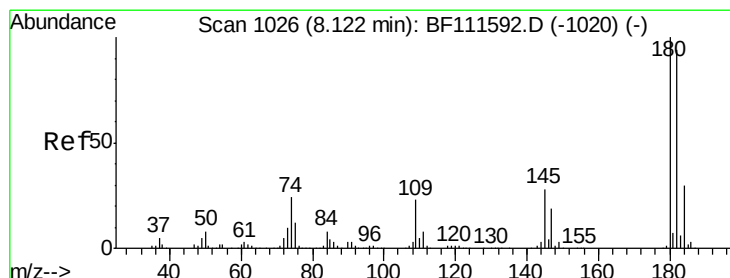
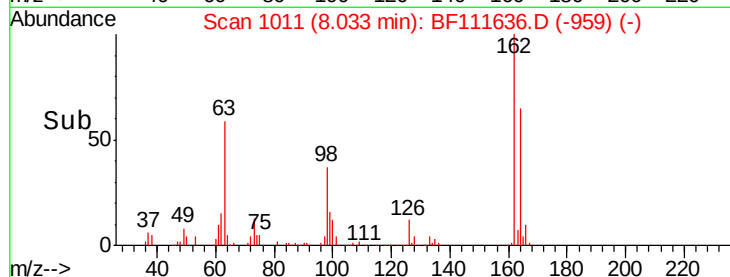
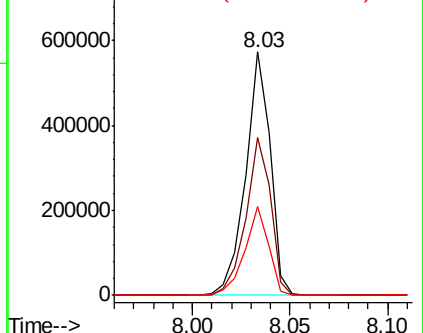


Abundance

Ion 162.00 (161.70 to 162.70): E

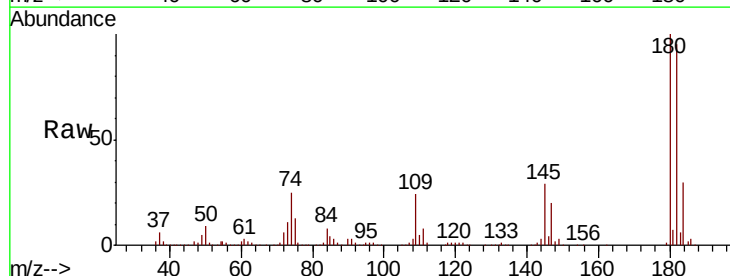
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 44.109 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.6	113.4
145	28.7	26.7	40.1

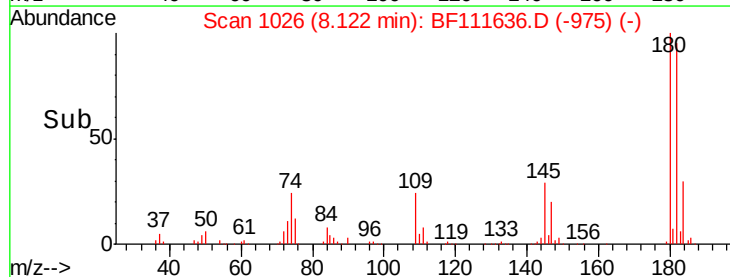
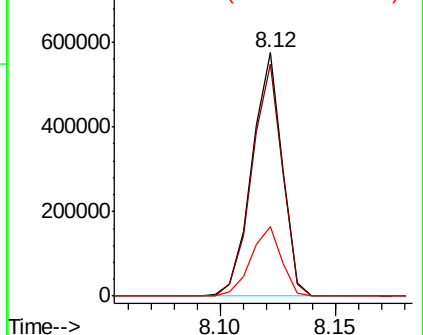


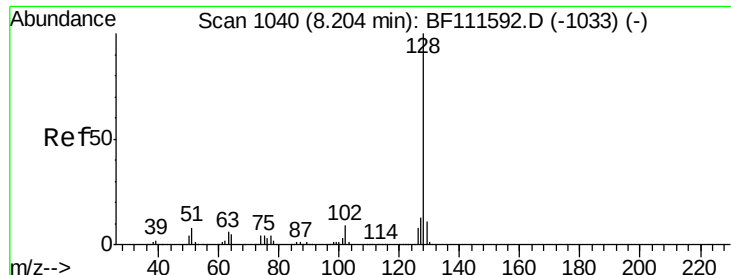
Abundance

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

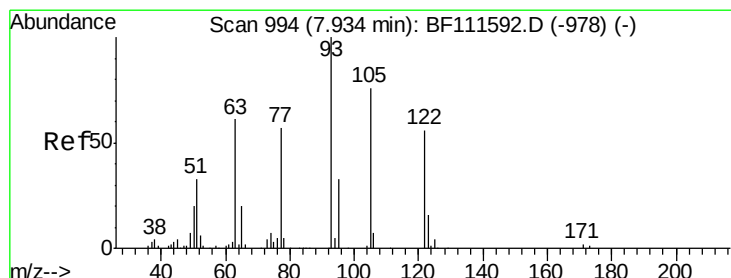
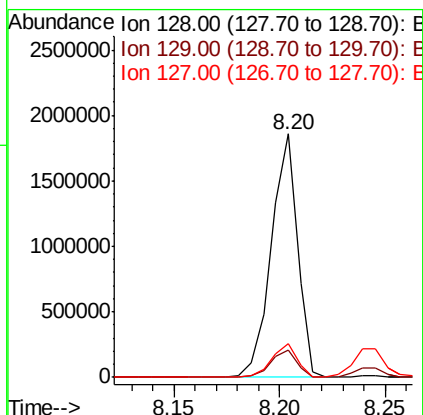
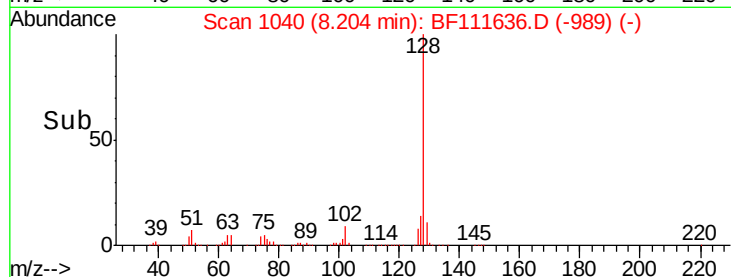
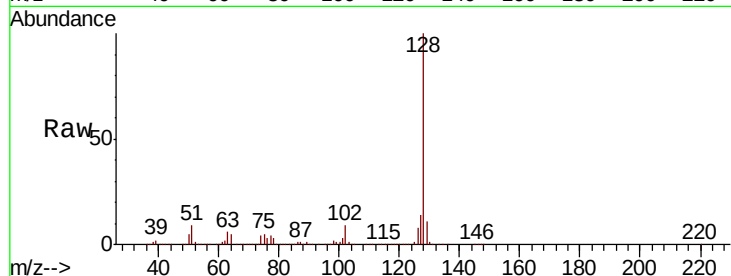




#31
Naphthalene
Concen: 48.433 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

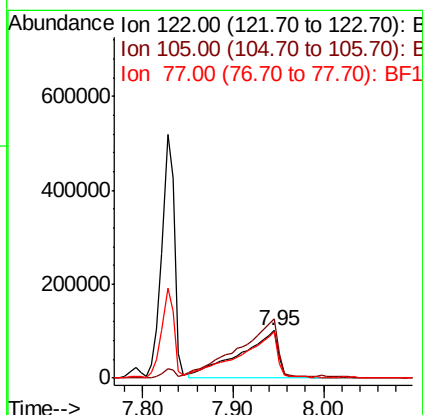
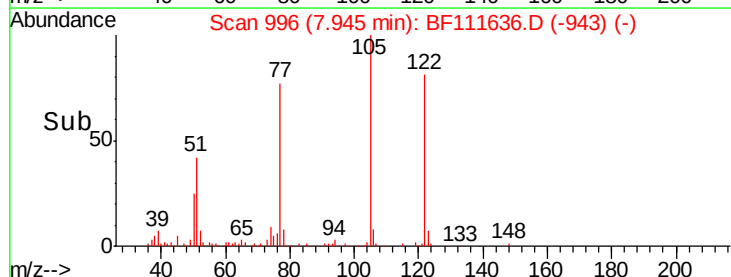
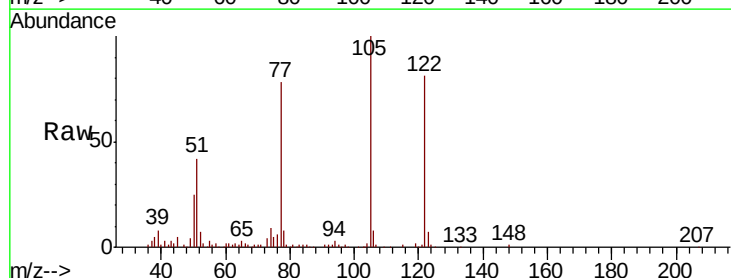
Instrument :
BNA_F
ClientSampleId :
VB-1MSD

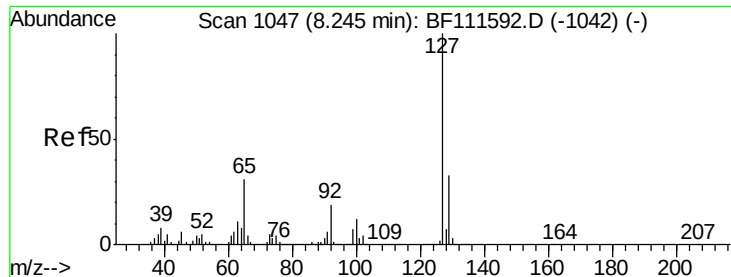
Tgt Ion:128 Resp: 1609980
Ion Ratio Lower Upper
128 100
129 11.2 9.8 14.8
127 13.9 12.0 18.0



#32
Benzoic acid
Concen: 45.860 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion:122 Resp: 301979
Ion Ratio Lower Upper
122 100
105 123.8 97.0 137.0
77 96.3 65.7 105.7

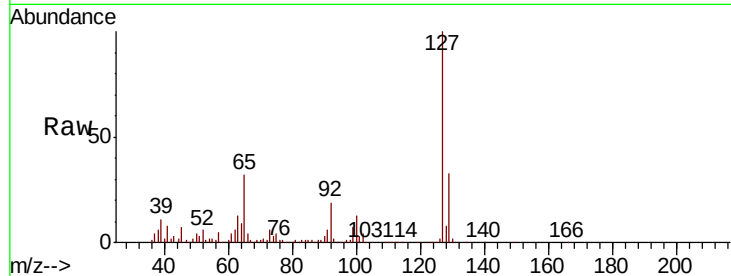




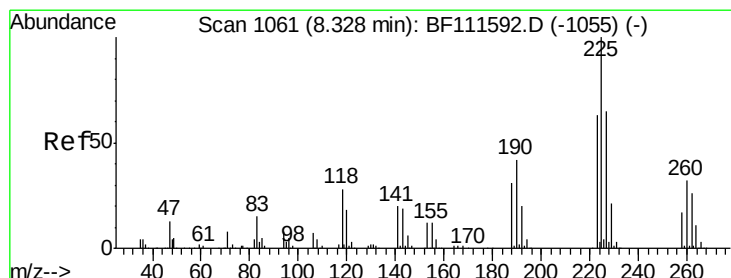
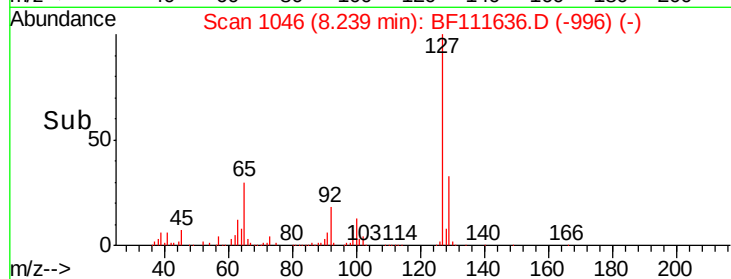
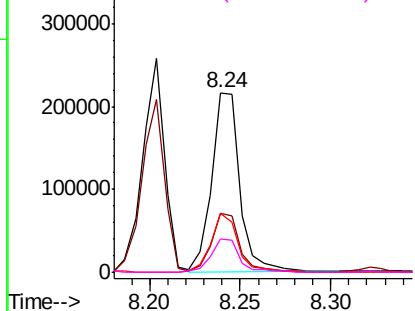
#33
4-Chloroaniline
Concen: 16.155 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tgt Ion:	127	Resp:	232112
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.6	39.8
65	32.5	25.7	38.5
92	18.8	15.4	23.2

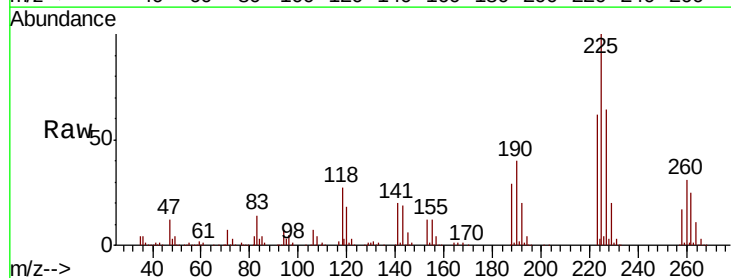


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

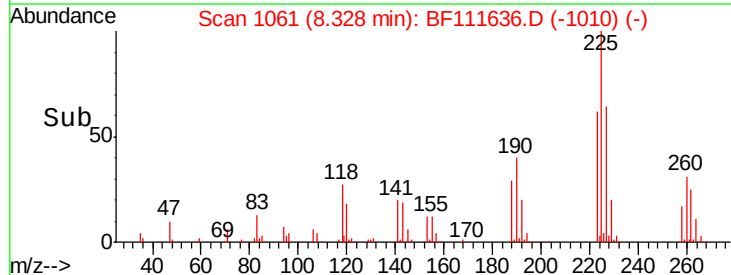
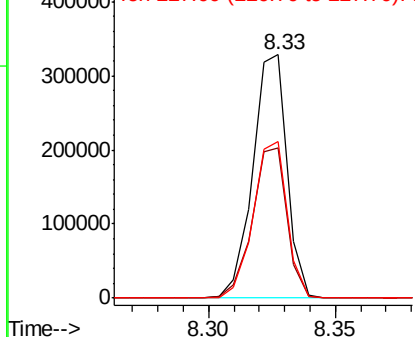


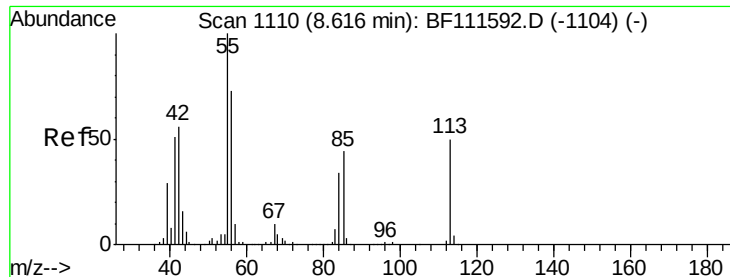
#34
Hexachlorobutadiene
Concen: 42.458 ng
RT: 8.33 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion:	225	Resp:	308891
Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.7	76.1
227	64.4	52.6	78.8



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

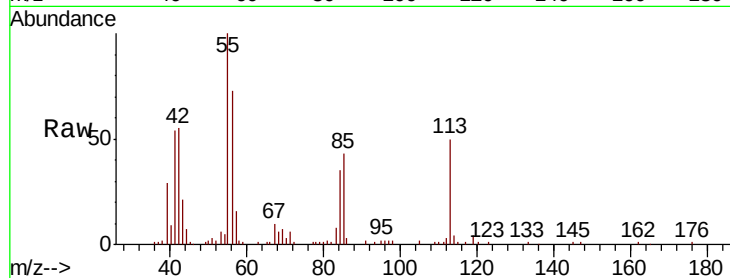




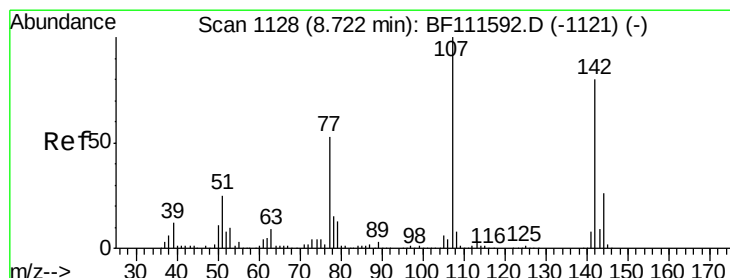
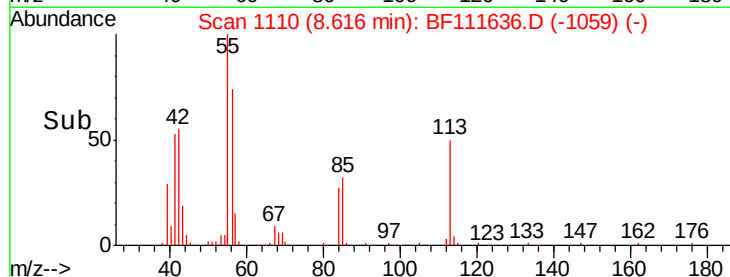
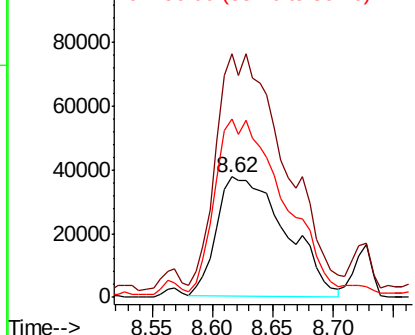
#35
 Caprolactam
 Concen: 40.806 ng
 RT: 8.62 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Instrument :
 BNA_F
 ClientSampleId :
 VB-1MSD

Tgt Ion:113 Resp: 148117
 Ion Ratio Lower Upper
 113 100
 55 201.9 184.1 224.1
 56 147.5 126.0 166.0

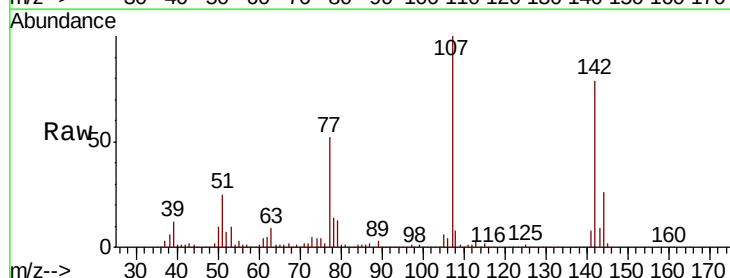


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

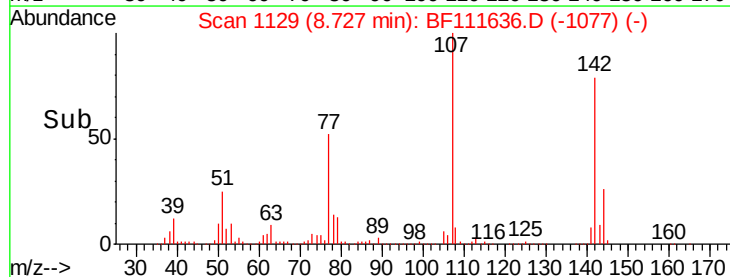
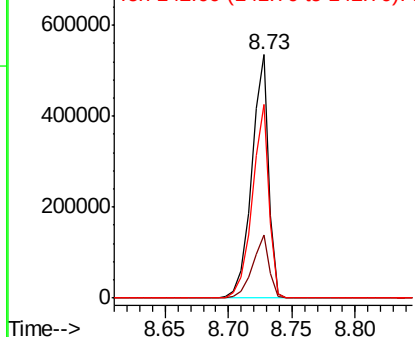


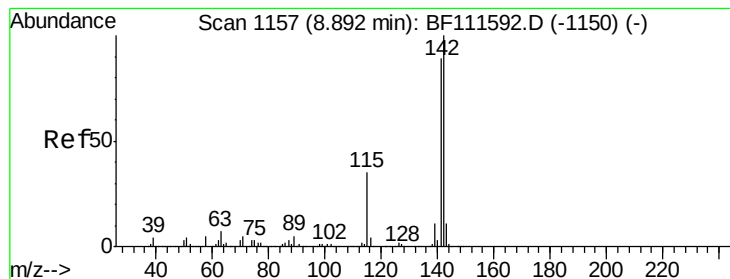
#36
 4-Chloro-3-methylphenol
 Concen: 47.459 ng
 RT: 8.73 min Scan# 1129
 Delta R.T. 0.01 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Tgt Ion:107 Resp: 499739
 Ion Ratio Lower Upper
 107 100
 144 26.0 19.8 29.6
 142 79.4 62.3 93.5



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: 50.280 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

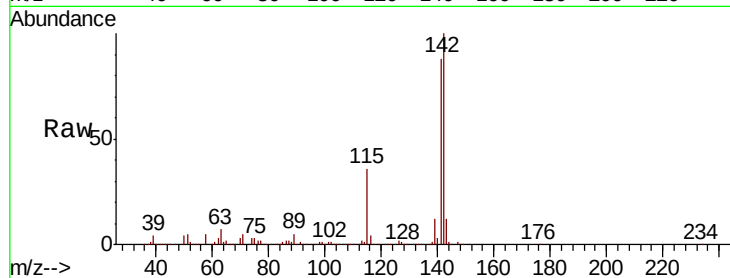
Tgt Ion:142 Resp: 1087391

Ion Ratio Lower Upper

142 100

141 88.3 70.6 105.8

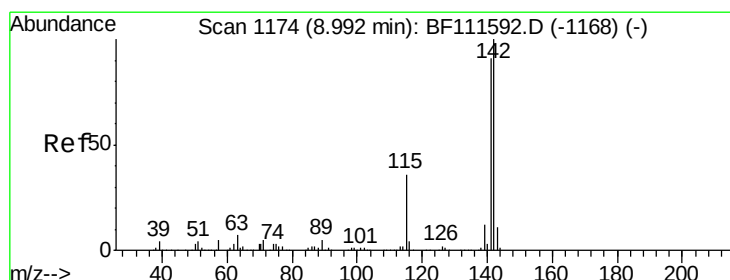
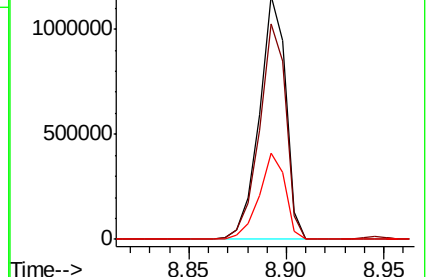
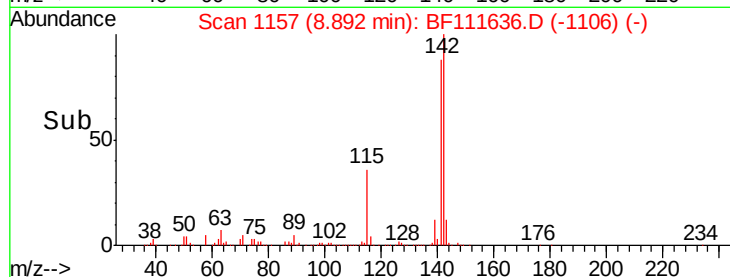
115 35.6 27.0 40.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 49.428 ng

RT: 8.99 min Scan# 1174

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

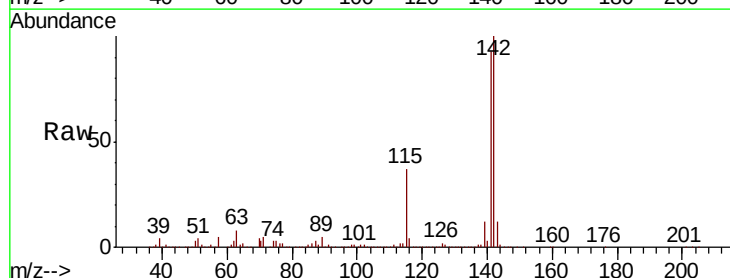
Tgt Ion:142 Resp: 1026651

Ion Ratio Lower Upper

142 100

141 92.6 74.2 111.4

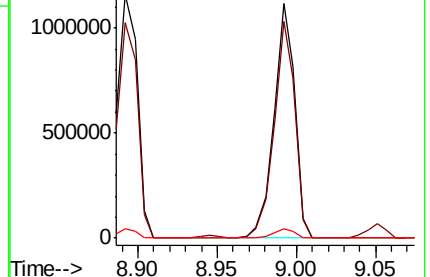
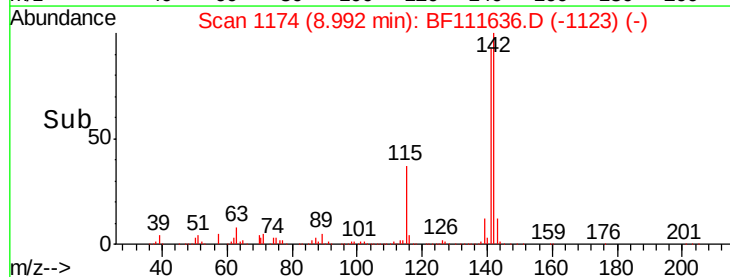
116 4.0 2.9 4.3

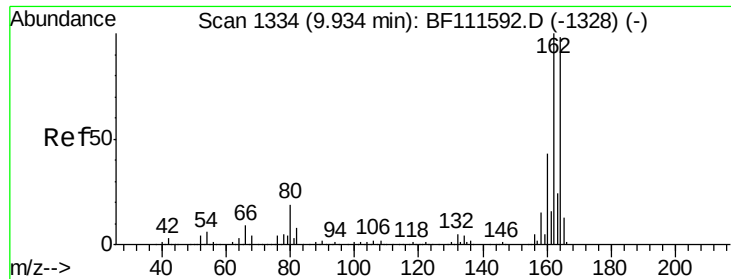


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

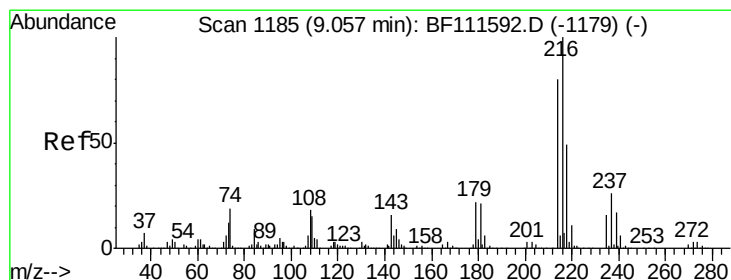
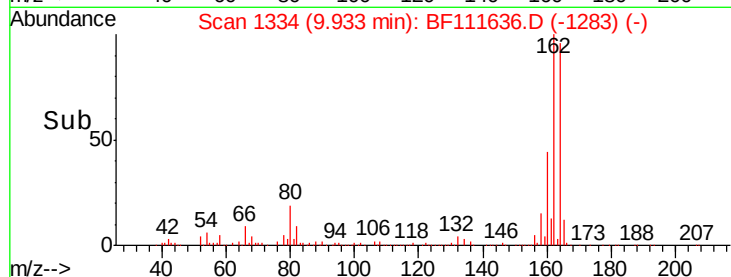
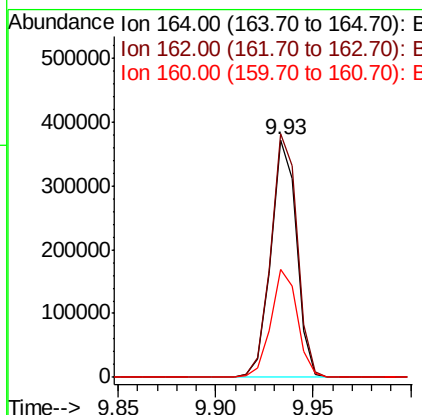
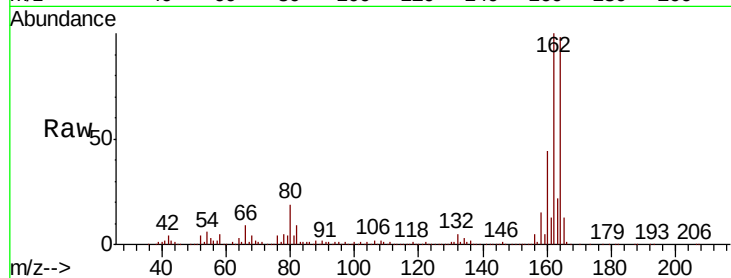




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

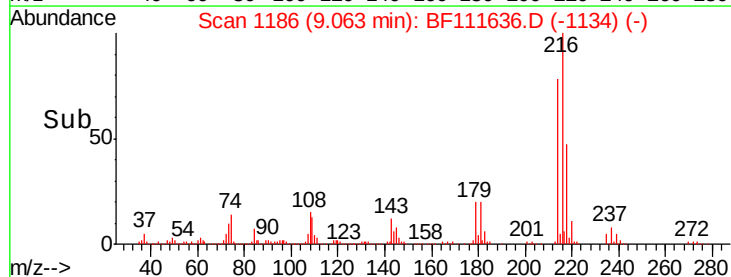
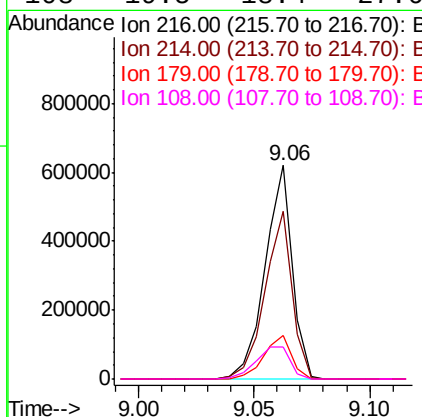
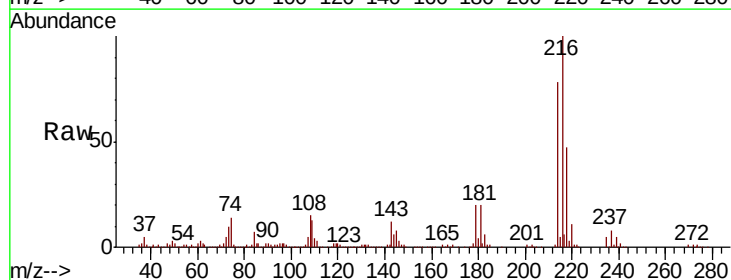
Instrument :
 BNA_F
 ClientSampled :
 VB-1MSD

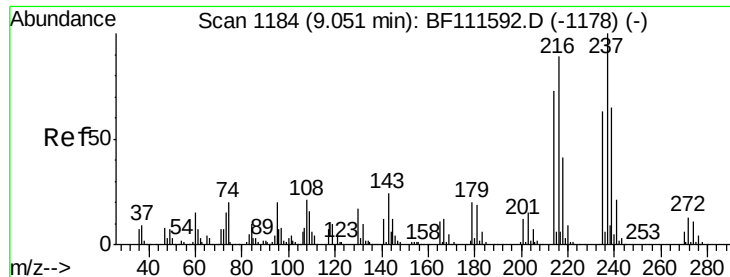
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.4	122.0
160	45.4	35.7	53.5



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 45.522 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.8	95.8
179	20.9	17.9	26.9
108	19.5	18.4	27.6

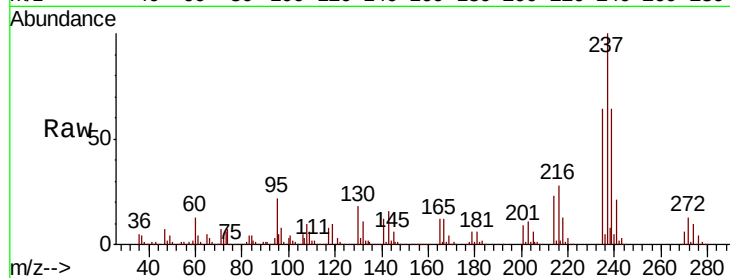




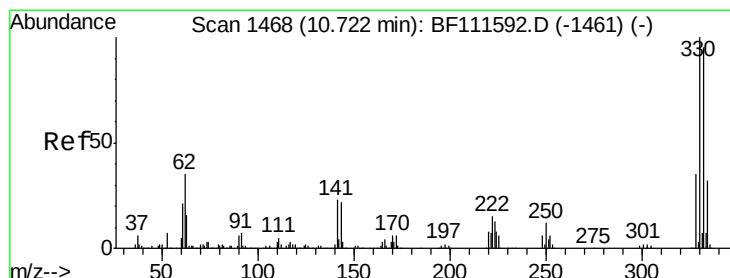
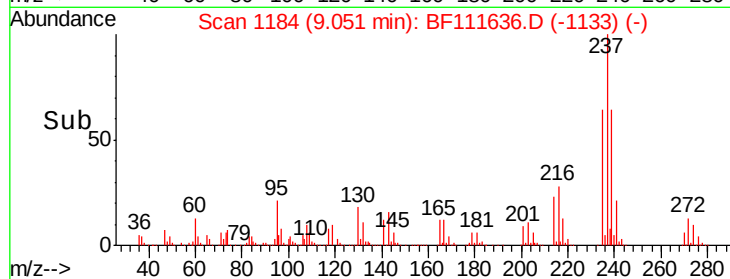
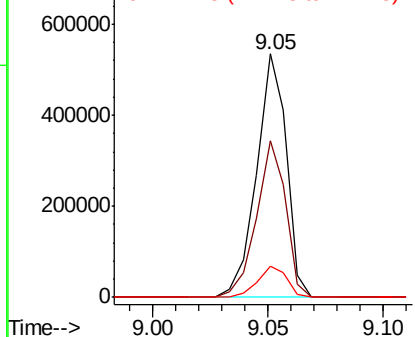
#41
Hexachlorocyclopentadiene
Concen: 88.948 ng
RT: 9.05 min Scan# 1184
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tgt Ion: 237 Resp: 482024
Ion Ratio Lower Upper
237 100
235 64.1 43.1 83.1
272 12.6 0.0 33.0

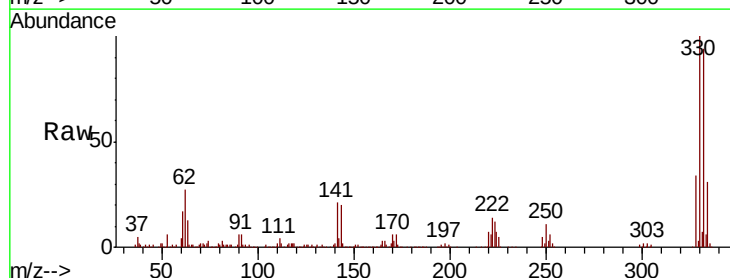


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

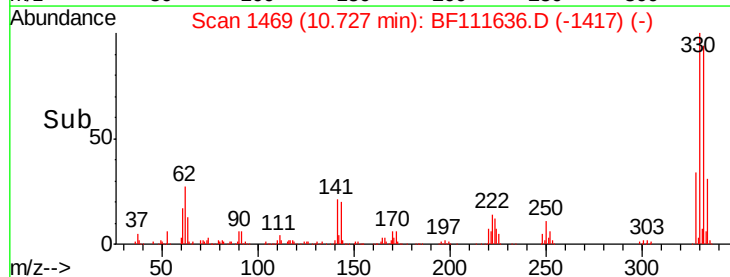
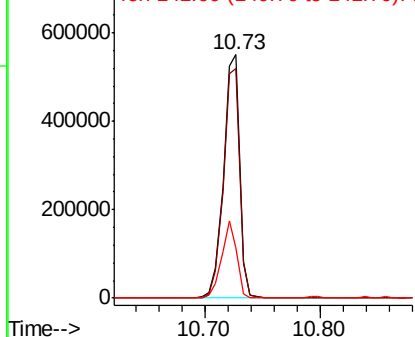


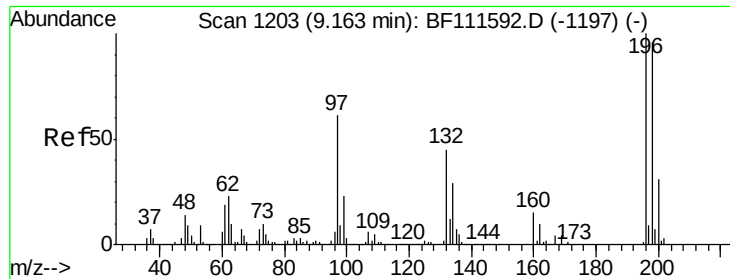
#42
2,4,6-Tribromophenol
Concen: 132.998 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion: 330 Resp: 534065
Ion Ratio Lower Upper
330 100
332 95.5 76.0 114.0
141 29.7 31.0 46.6#



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

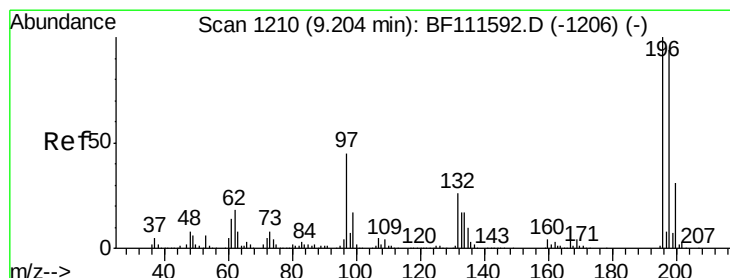
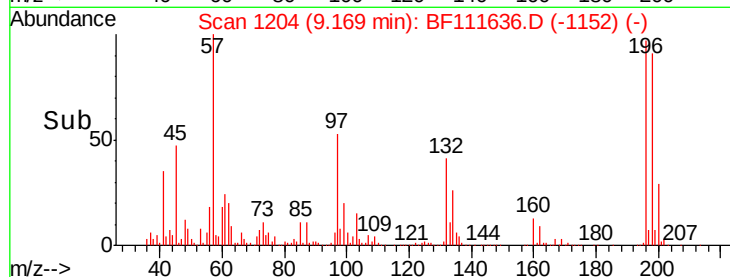
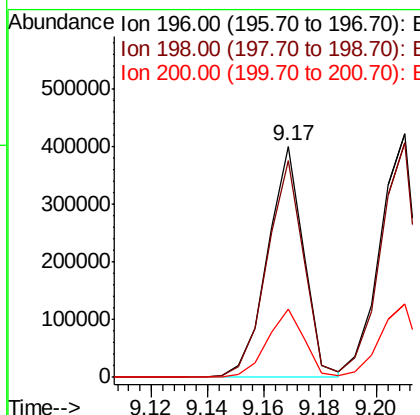
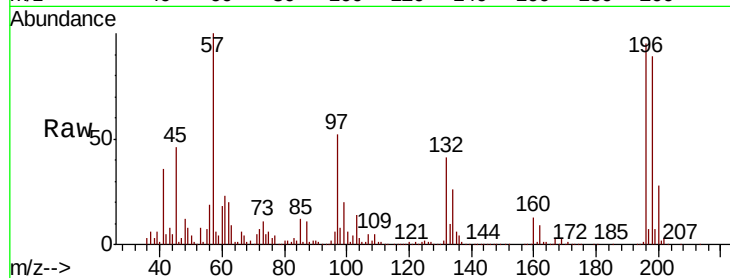




#43
 2,4,6-Trichlorophenol
 Concen: 47.649 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

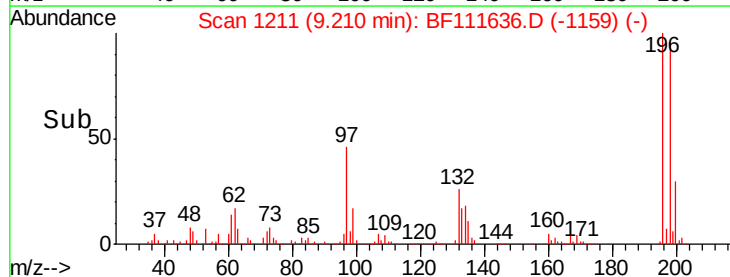
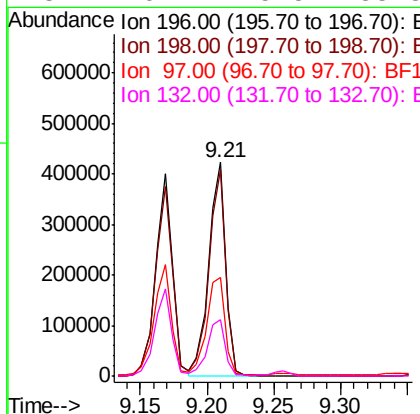
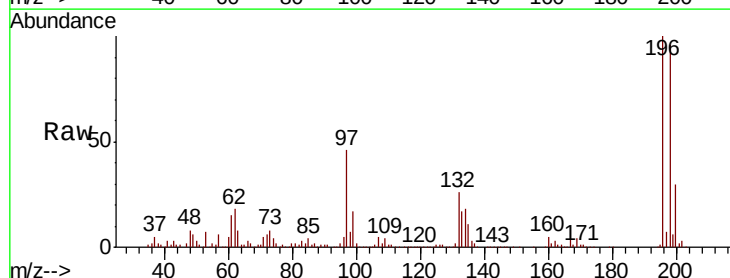
Instrument :
 BNA_F
 ClientSampled :
 VB-1MSD

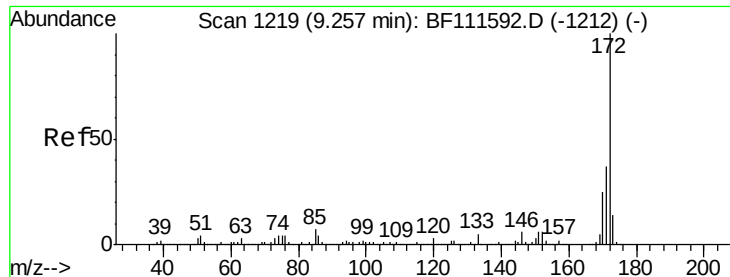
Tgt Ion:196 Resp: 355266
 Ion Ratio Lower Upper
 196 100
 198 93.7 76.3 114.5
 200 29.8 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 49.346 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.01 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Tgt Ion:196 Resp: 377445
 Ion Ratio Lower Upper
 196 100
 198 96.3 72.9 109.3
 97 46.4 45.3 67.9
 132 26.2 25.5 38.3

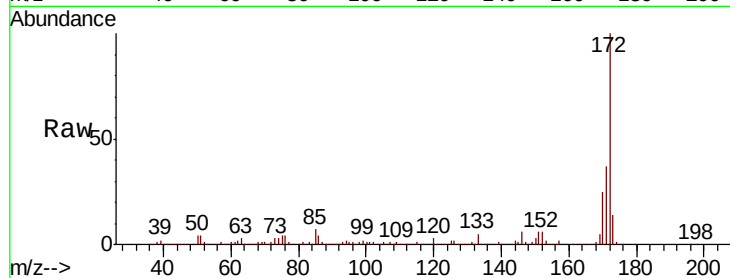




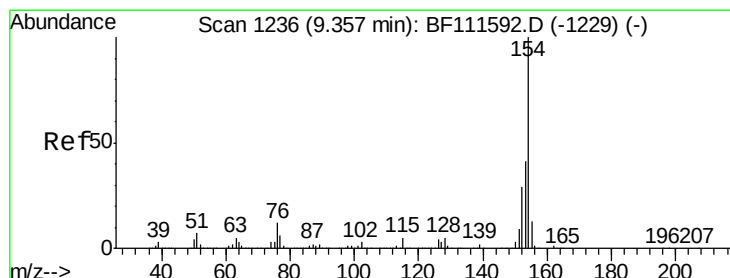
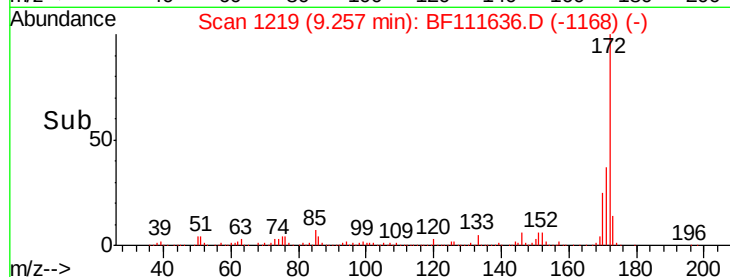
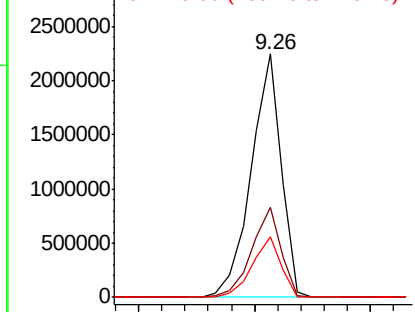
#45
2-Fluorobiphenyl
Concen: 87.309 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tgt Ion:172 Resp: 2035698
Ion Ratio Lower Upper
172 100
171 37.1 33.0 49.4
170 25.1 22.3 33.5

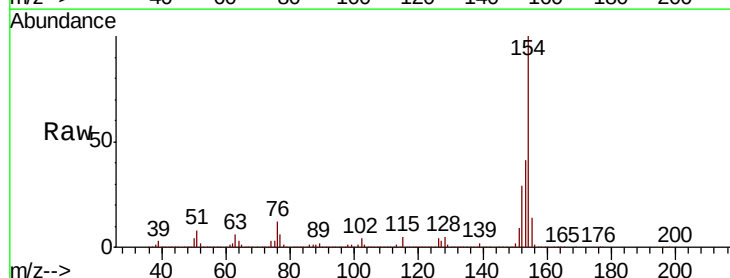


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

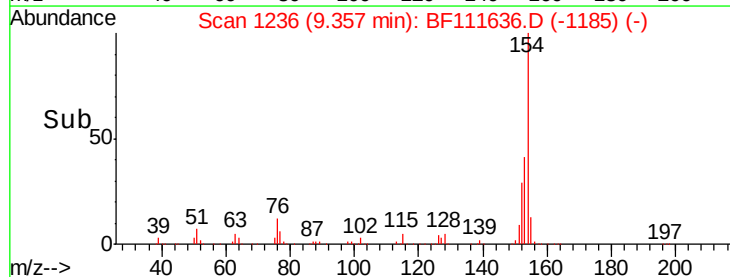
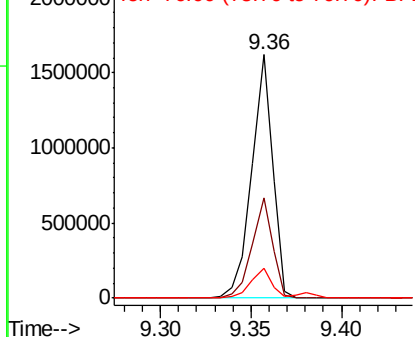


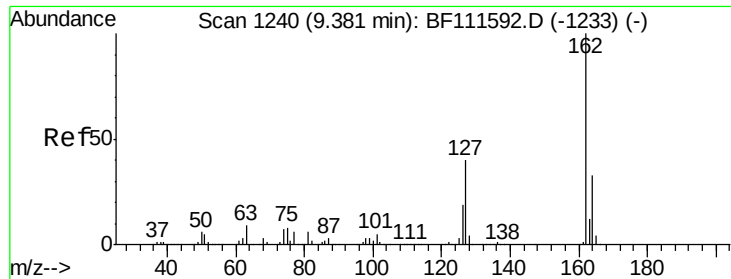
#46
1,1'-Biphenyl
Concen: 45.578 ng
RT: 9.36 min Scan# 1236
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion:154 Resp: 1307560
Ion Ratio Lower Upper
154 100
153 41.0 23.7 63.7
76 12.4 0.0 35.0



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

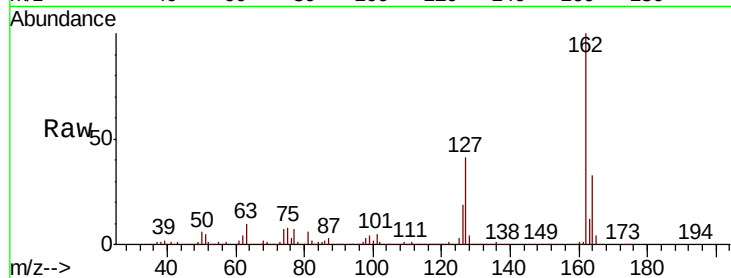




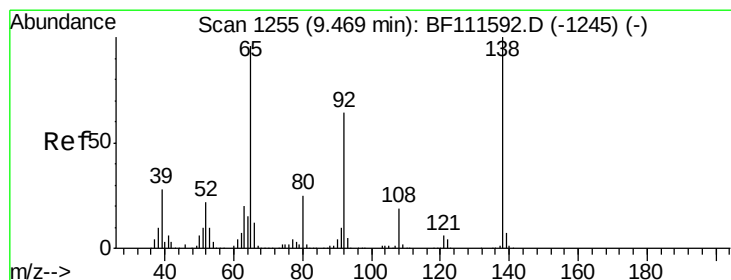
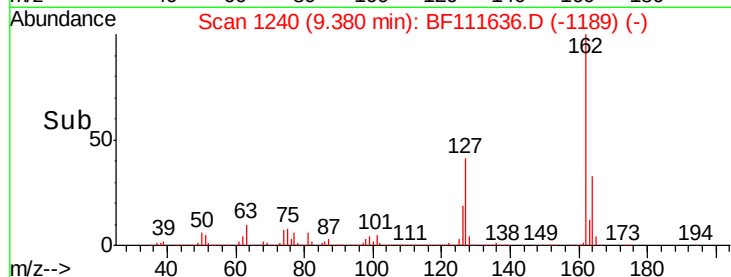
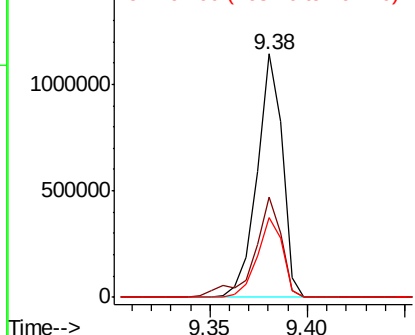
#47
2-Chloronaphthalene
Concen: 45.010 ng
RT: 9.38 min Scan# 1240
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tgt Ion:162 Resp: 1023046
Ion Ratio Lower Upper
162 100
127 41.0 35.0 52.4
164 32.9 28.4 42.6

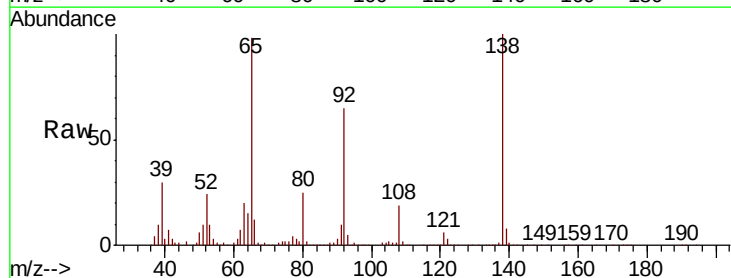


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

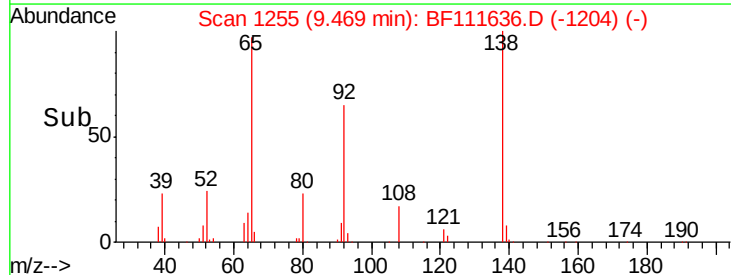
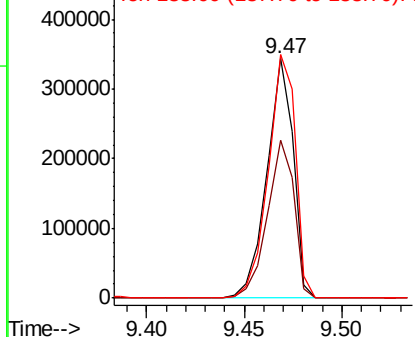


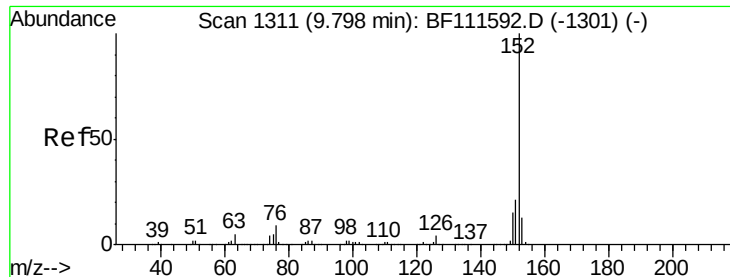
#48
2-Nitroaniline
Concen: 54.260 ng
RT: 9.47 min Scan# 1255
Delta R.T. 0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion: 65 Resp: 320847
Ion Ratio Lower Upper
65 100
92 66.0 53.5 80.3
138 101.8 80.9 121.3



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: 48.689 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampled :

VB-1MSD

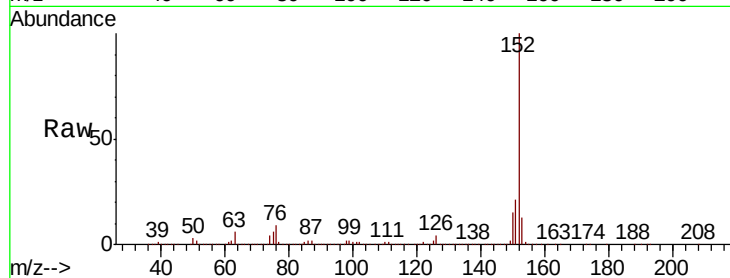
Tgt Ion:152 Resp: 1615813

Ion Ratio Lower Upper

152 100

151 21.1 18.0 27.0

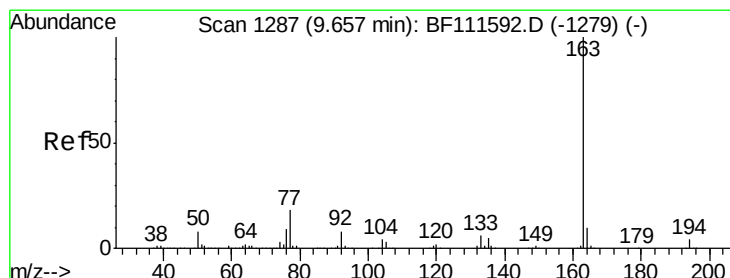
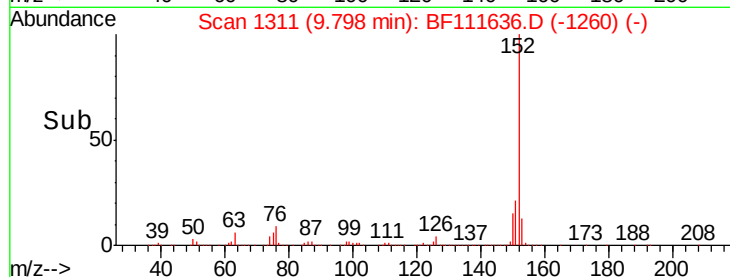
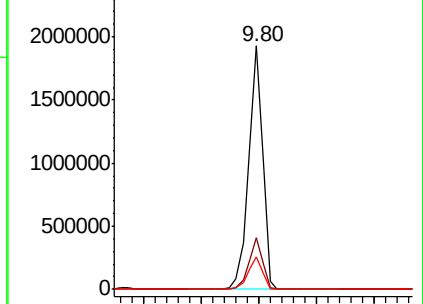
153 13.4 12.3 18.5



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: 55.542 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

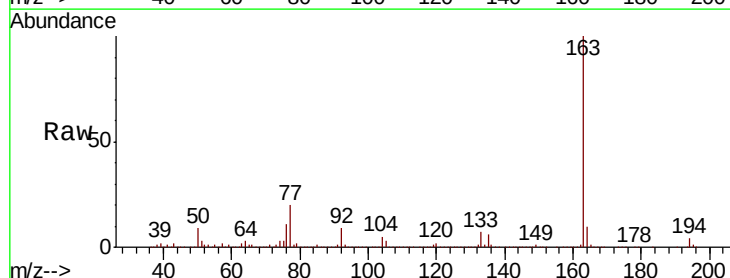
Tgt Ion:163 Resp: 1380332

Ion Ratio Lower Upper

163 100

194 4.3 3.0 4.6

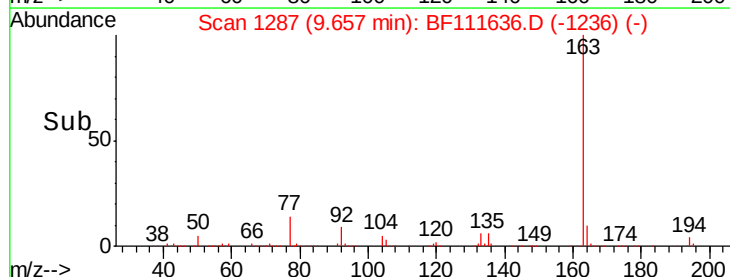
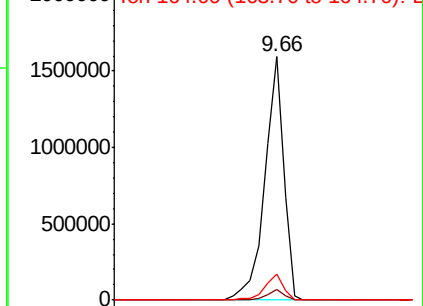
164 10.5 8.9 13.3

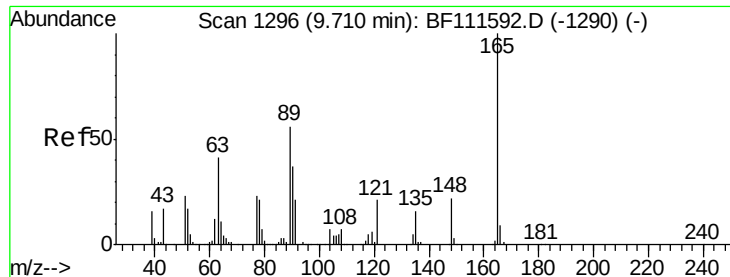


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 55.361 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

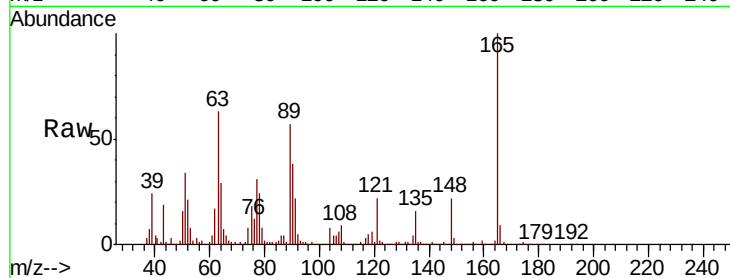
Tgt Ion:165 Resp: 274342

Ion Ratio Lower Upper

165 100

63 63.5 40.5 60.7#

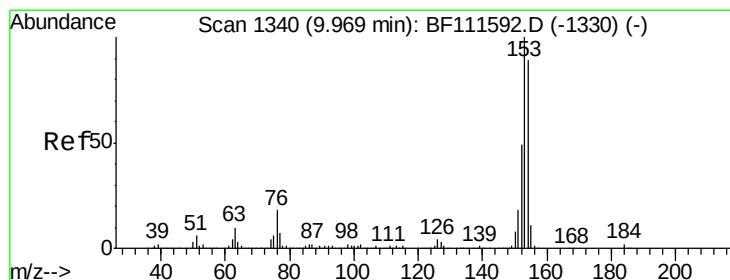
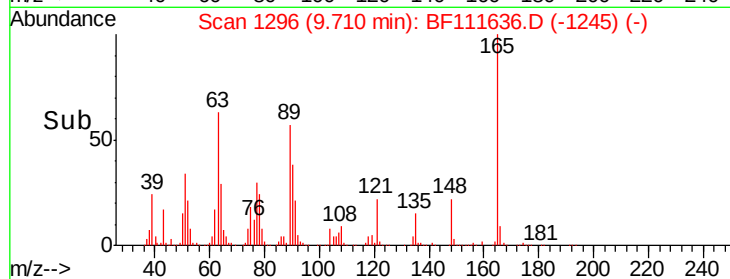
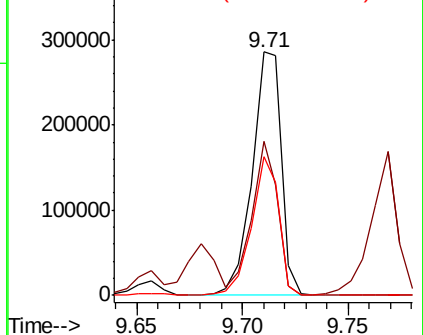
89 56.9 40.0 60.0



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 50.203 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

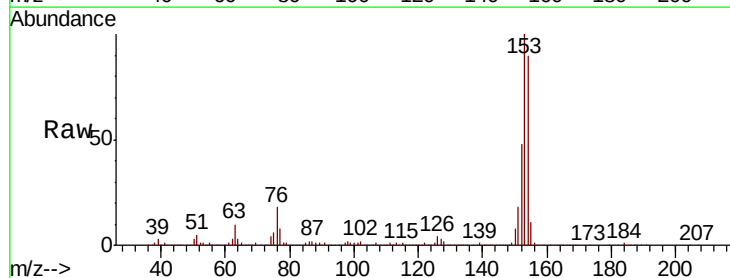
Tgt Ion:154 Resp: 1027569

Ion Ratio Lower Upper

154 100

153 111.1 87.8 131.8

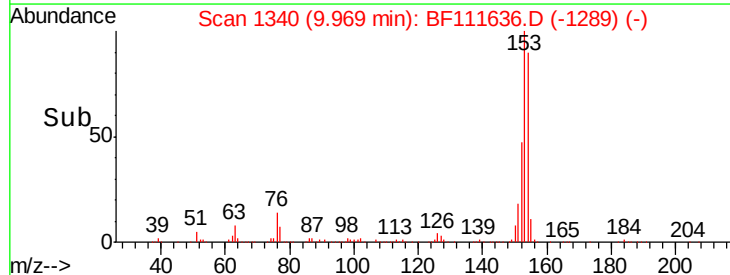
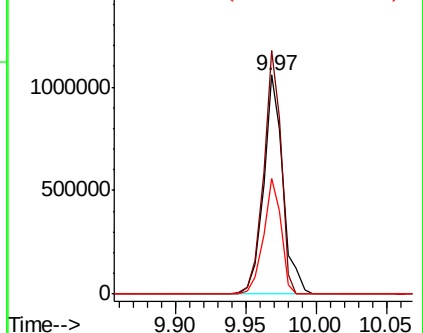
152 52.9 43.4 65.2

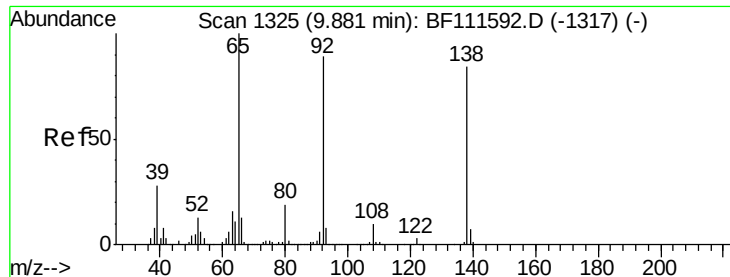


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

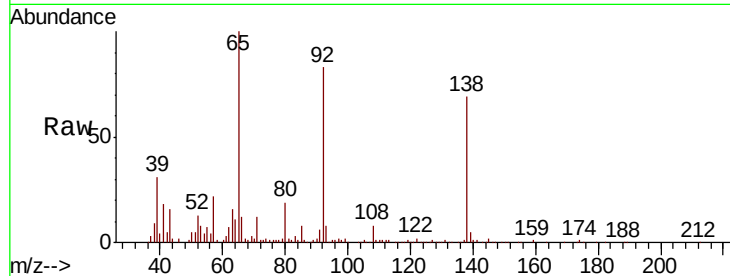




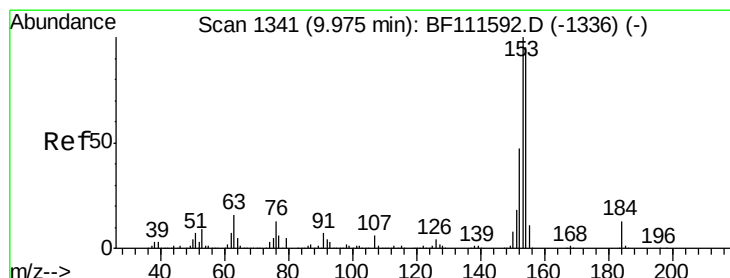
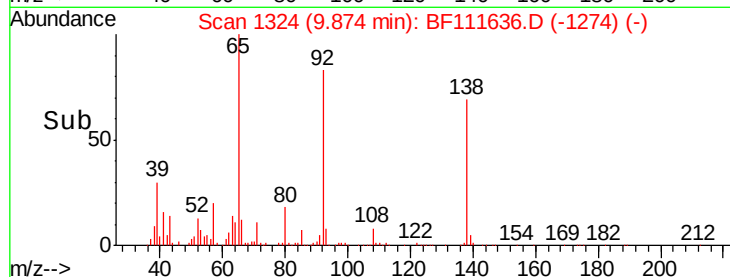
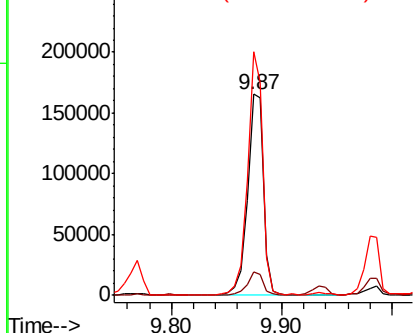
#53
3-Nitroaniline
Concen: 32.022 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tgt Ion:138 Resp: 169239
Ion Ratio Lower Upper
138 100
108 11.9 8.2 12.4
92 120.9 93.4 140.2

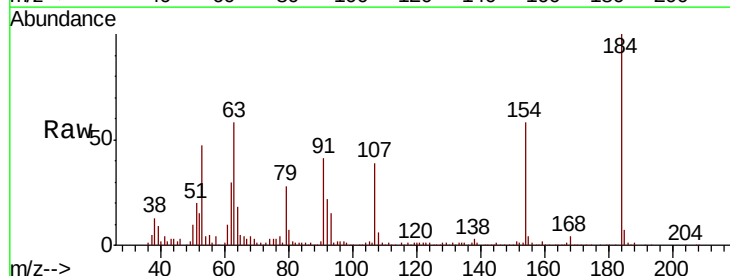


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

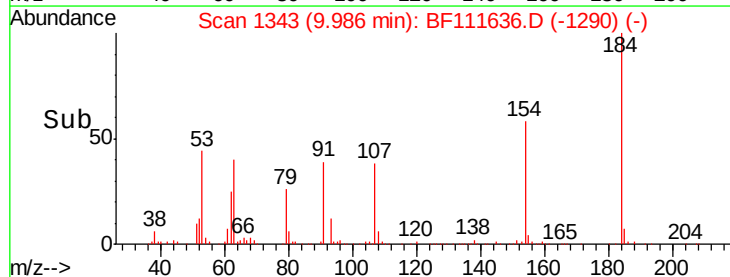
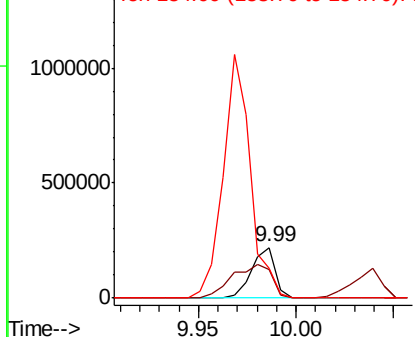


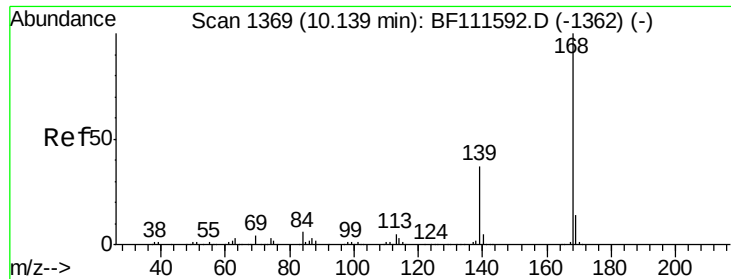
#54
2,4-Dinitrophenol
Concen: 112.536 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion:184 Resp: 184172
Ion Ratio Lower Upper
184 100
63 57.5 62.3 93.5#
154 58.5 56.2 84.2



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

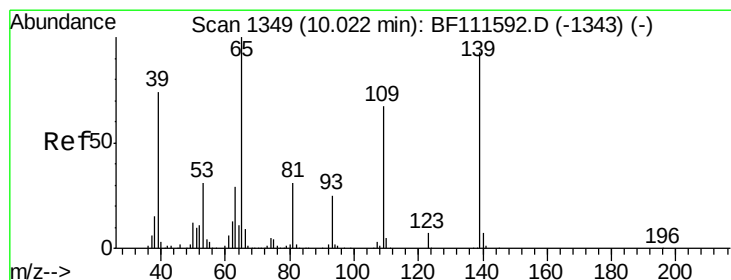
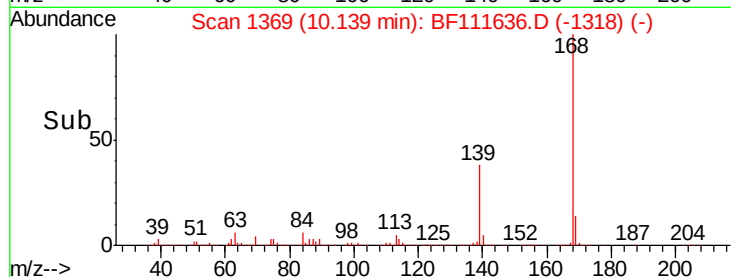
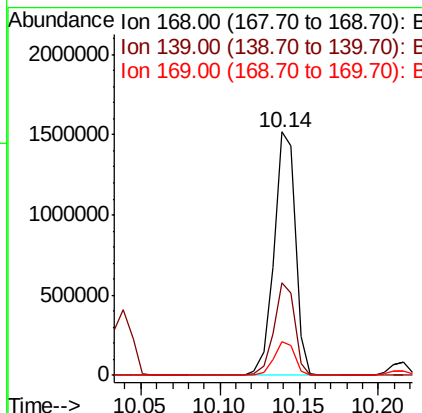
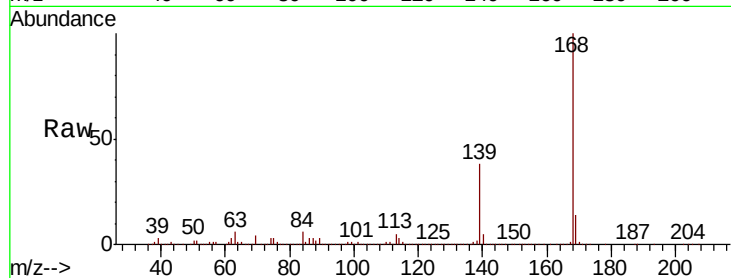




#55
Diben-zofuran
Concen: 46.218 ng
RT: 10.14 min Scan# 1369
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

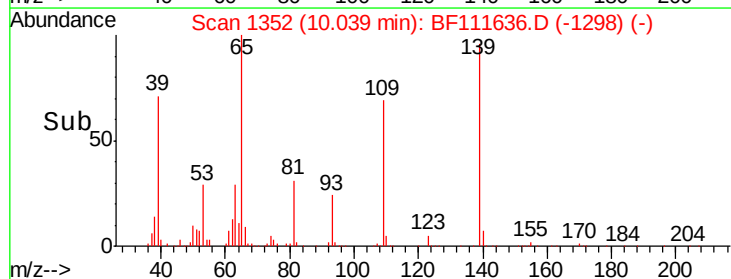
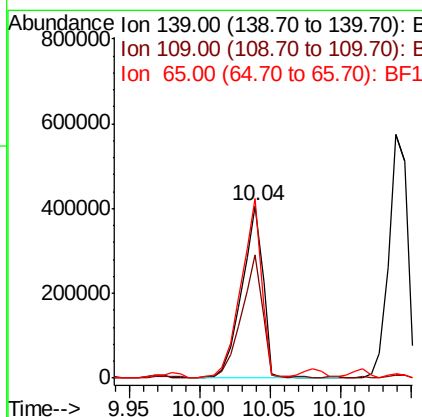
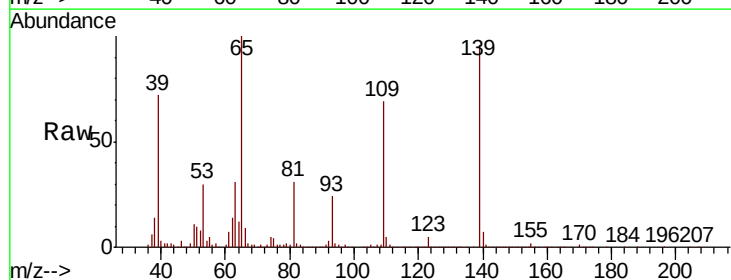
Instrument :
BNA_F
ClientSampleId :
VB-1MSD

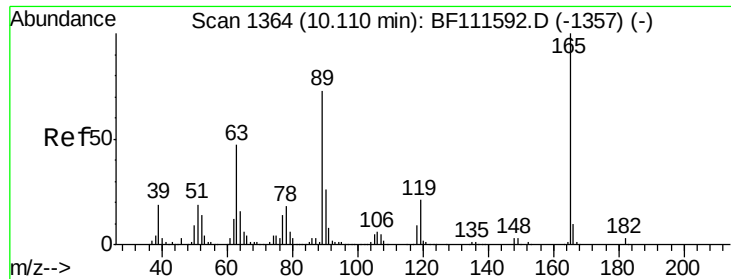
Tgt Ion:168 Resp: 1429193
Ion Ratio Lower Upper
168 100
139 37.8 32.6 49.0
169 14.0 11.8 17.6



#56
4-Nitrophenol
Concen: 104.520 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.02 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion:139 Resp: 421559
Ion Ratio Lower Upper
139 100
109 71.8 41.8 81.8
65 104.4 79.6 119.6

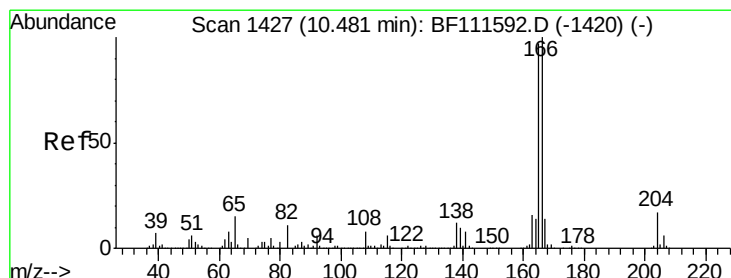
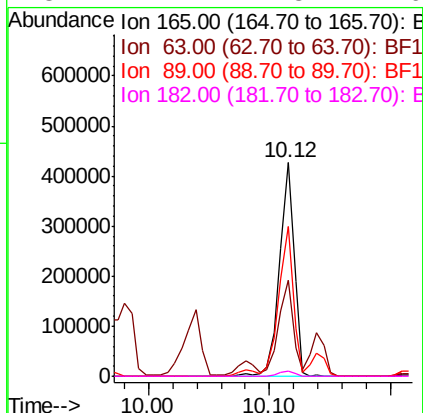
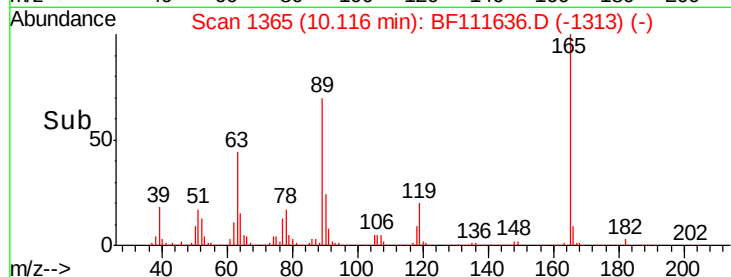
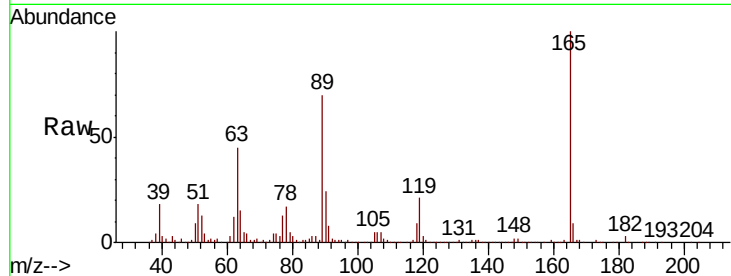




#57
2,4-Dinitrotoluene
Concen: 59.789 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

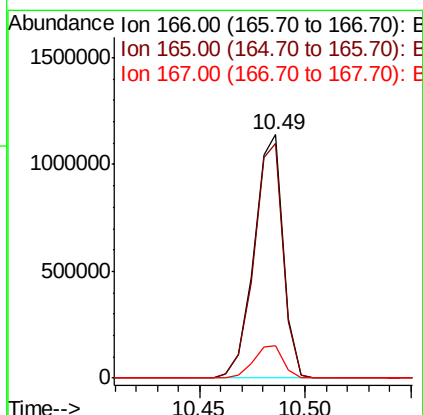
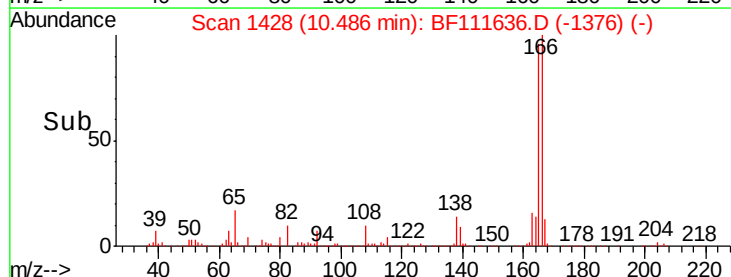
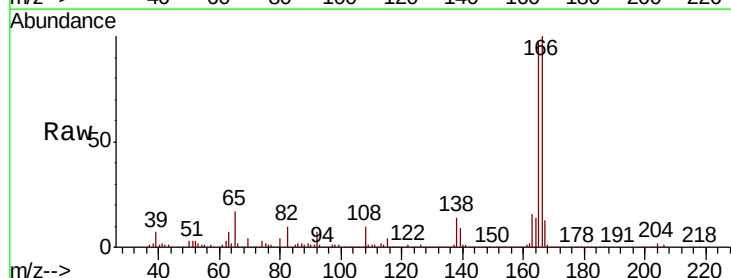
Instrument :
BNA_F
ClientSampleId :
VB-1MSD

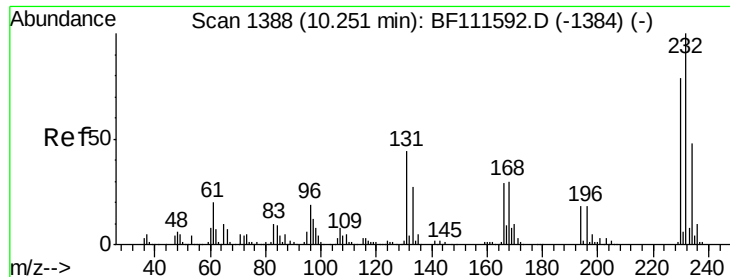
Tgt Ion	Ratio	Lower	Upper
165	100		
63	45.1	34.6	52.0
89	70.1	56.2	84.4
182	2.7	1.8	2.6#



#58
Fluorene
Concen: 48.636 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.4	117.6
167	13.2	11.2	16.8

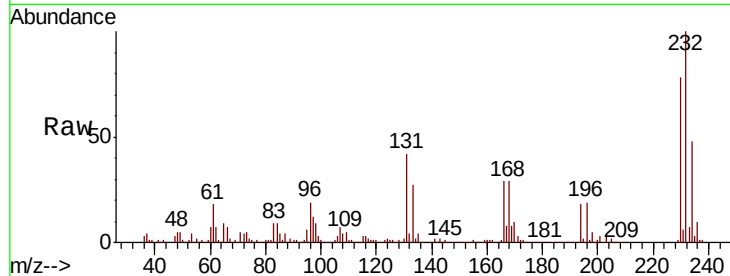




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.482 ng
RT: 10.26 min Scan# 1389
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tgt Ion	Ratio	Lower	Upper
232	100		
131	42.1	40.9	61.3
130	2.3	2.0	3.0
166	29.0	26.8	40.2



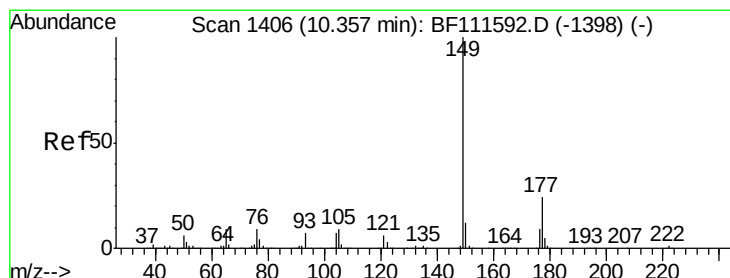
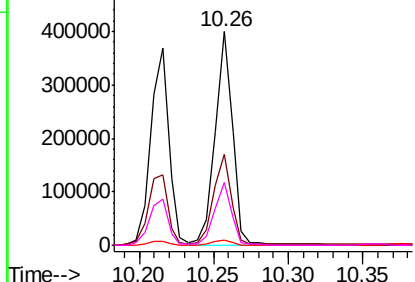
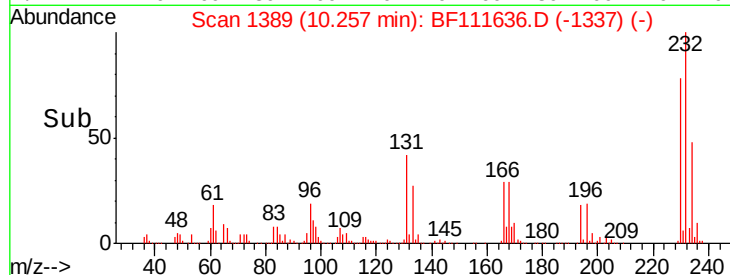
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

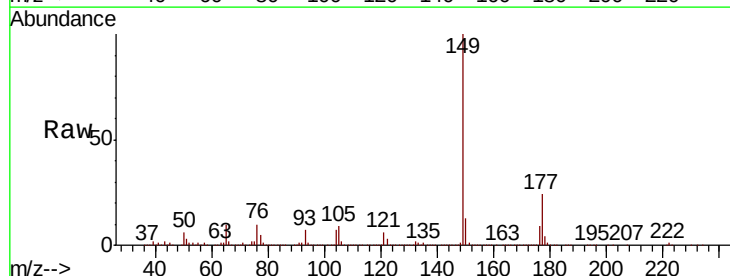
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 47.548 ng
RT: 10.36 min Scan# 1406
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.6	18.3	27.5
150	12.8	10.6	15.8

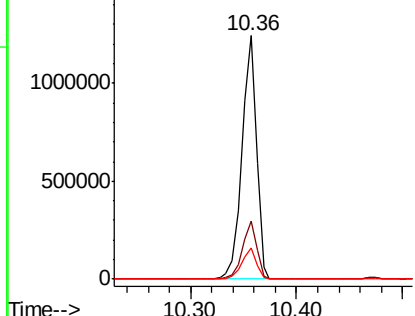
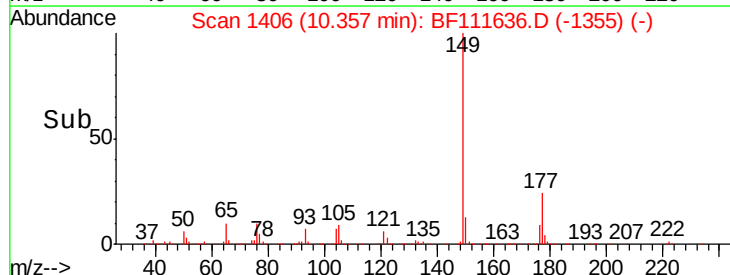


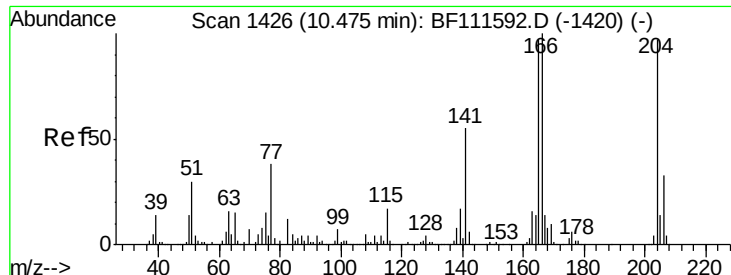
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

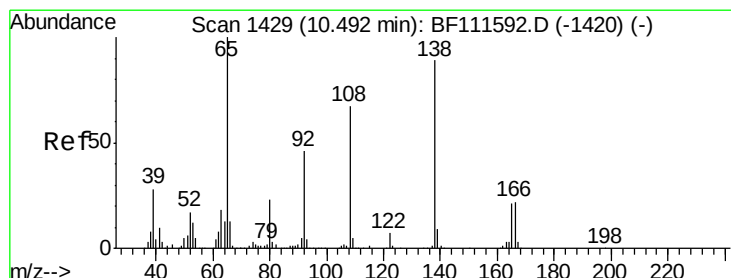
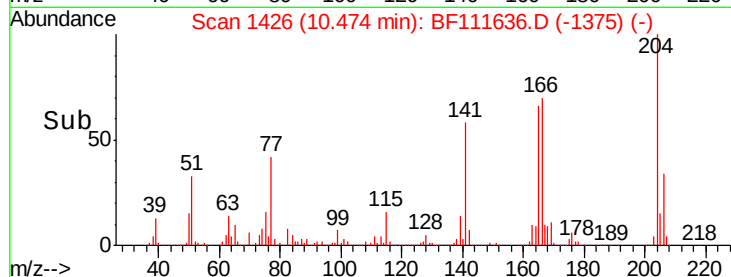
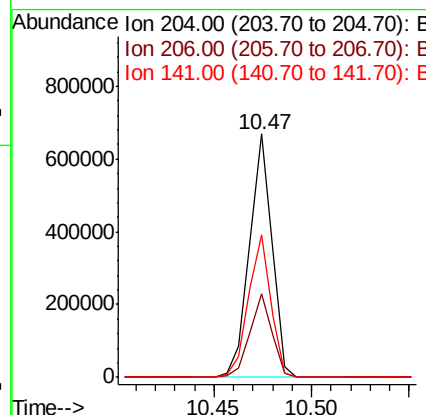
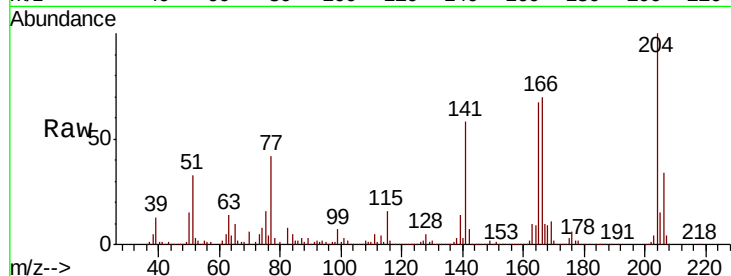




#61
 4-Chlorophenyl-phenylether
 Concen: 43.461 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.00 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

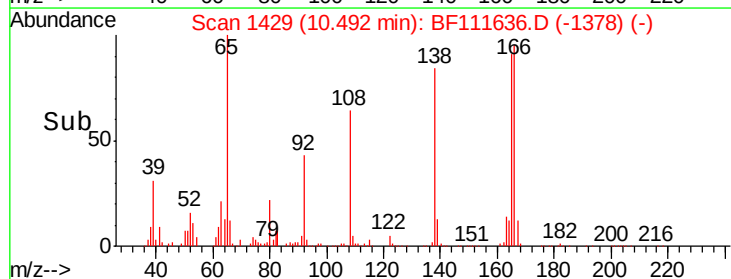
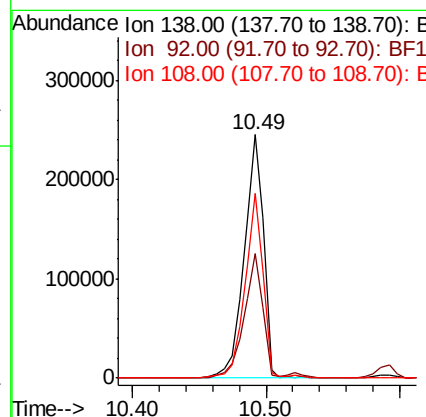
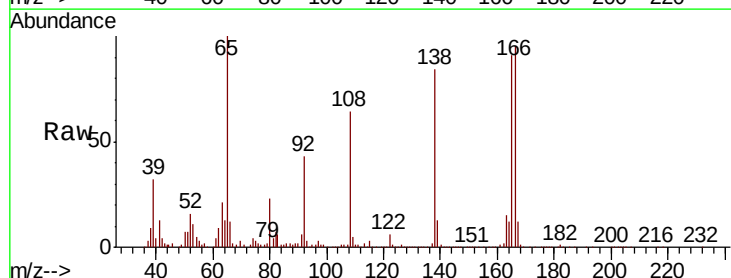
Instrument :
 BNA_F
 ClientSampleId :
 VB-1MSD

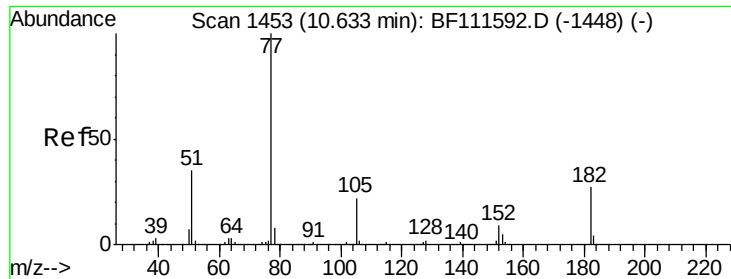
Tgt Ion: 204 Resp: 535047
 Ion Ratio Lower Upper
 204 100
 206 34.4 26.6 39.8
 141 58.4 52.6 78.8



#62
 4-Nitroaniline
 Concen: 47.607 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.00 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Tgt Ion: 138 Resp: 244540
 Ion Ratio Lower Upper
 138 100
 92 50.9 29.9 69.9
 108 75.7 43.2 83.2





#63

Azobenzene

Concen: 44.323 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

Tgt Ion: 77 Resp: 1084758

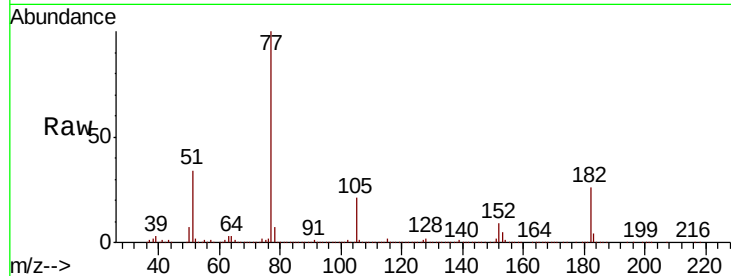
Ion Ratio Lower Upper

77 100

182 26.2 4.9 44.9

105 21.0 6.0 46.0

51 34.3 14.7 54.7

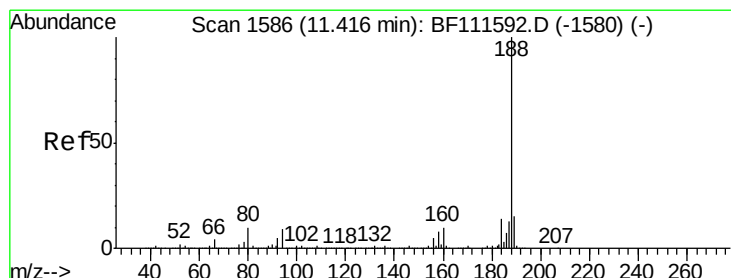
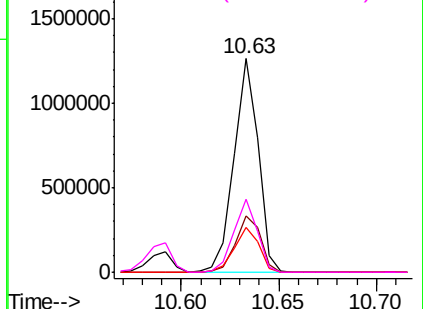
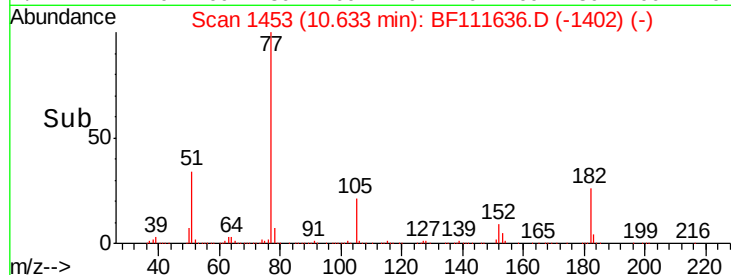


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

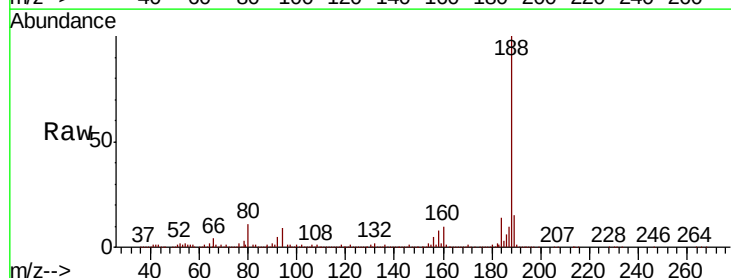
Tgt Ion: 188 Resp: 598337

Ion Ratio Lower Upper

188 100

94 9.0 9.6 14.4#

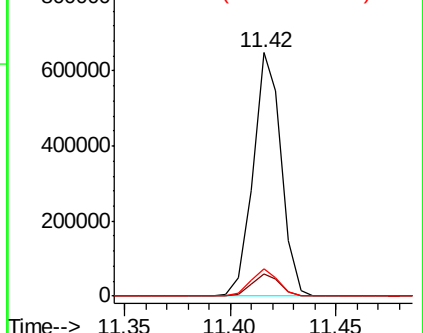
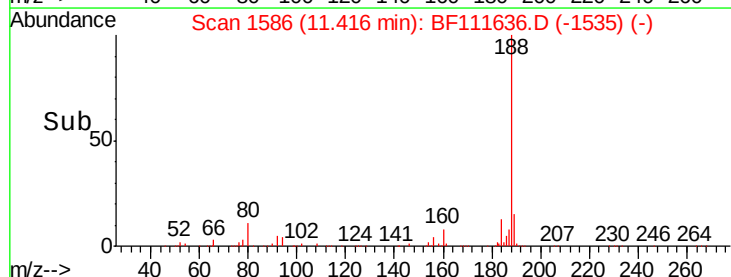
80 11.4 9.8 14.6

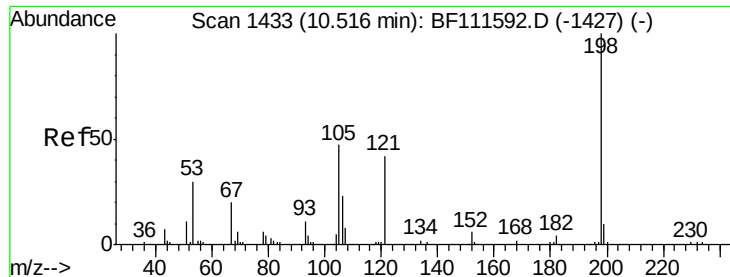


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

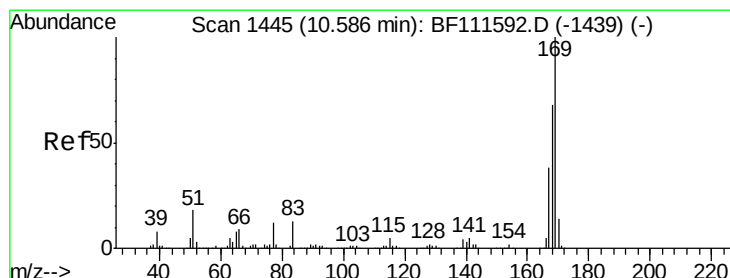
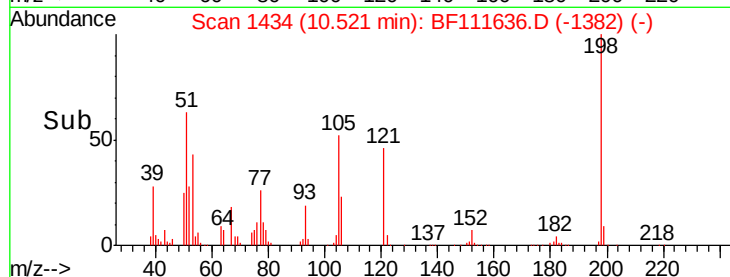
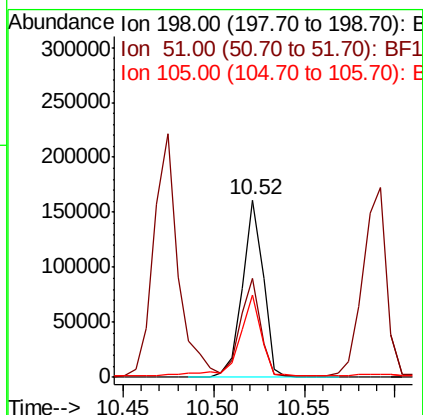
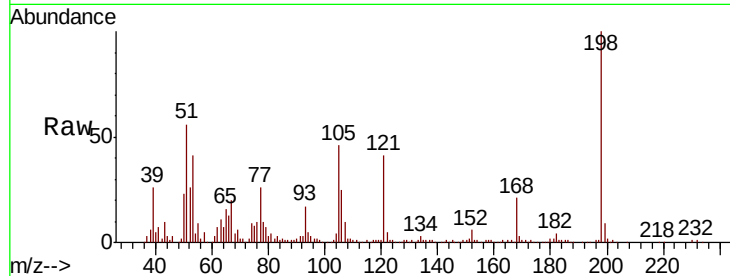




#65
4,6-Dinitro-2-methylphenol
Concen: 51.440 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

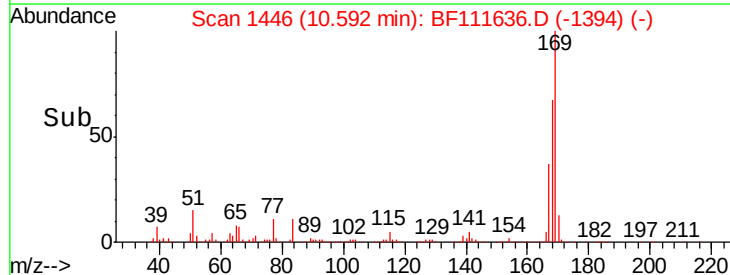
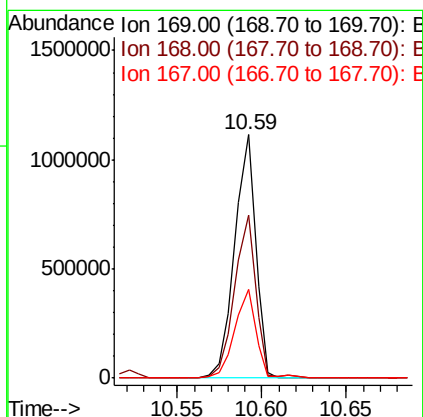
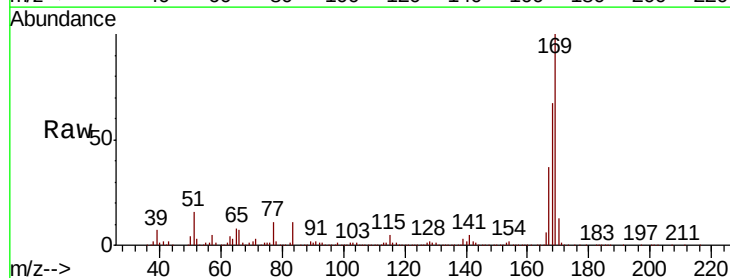
Instrument :
BNA_F
ClientSampled :
VB-1MSD

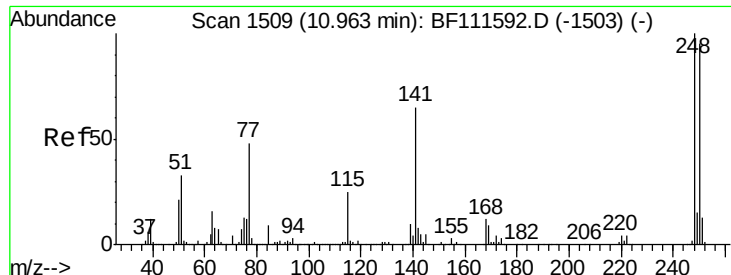
Tgt Ion:198 Resp: 128582
Ion Ratio Lower Upper
198 100
51 56.1 48.0 88.0
105 46.5 34.0 74.0



#66
n-Nitrosodiphenylamine
Concen: 48.281 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion:169 Resp: 969727
Ion Ratio Lower Upper
169 100
168 66.7 54.4 81.6
167 36.6 30.5 45.7

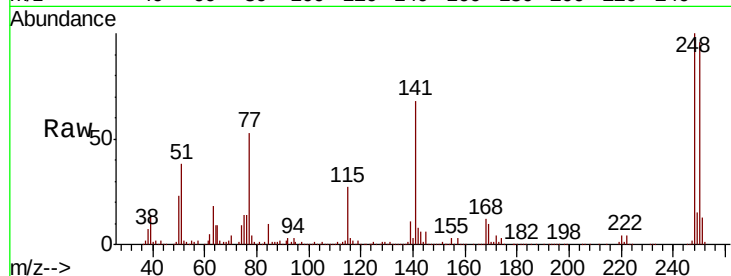




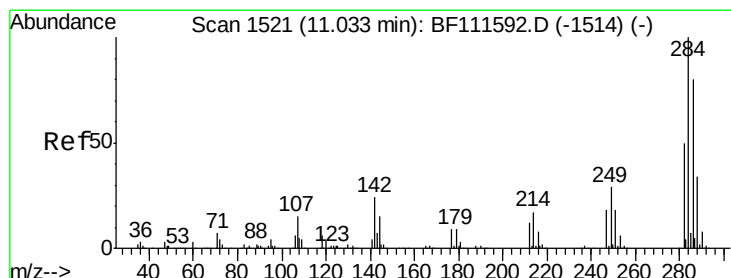
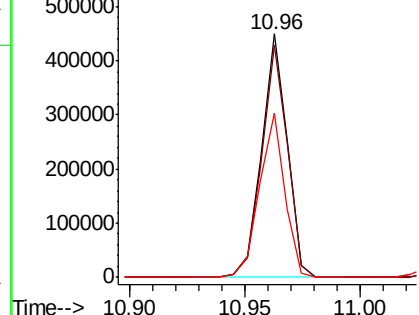
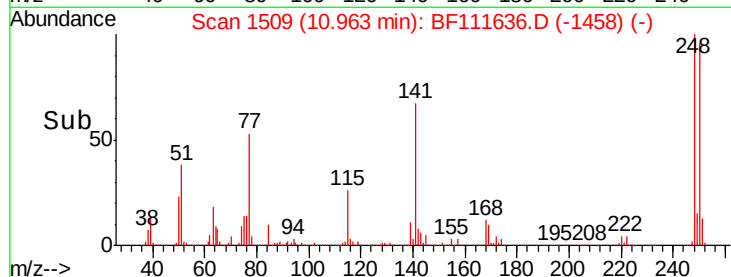
#67
4-Bromophenyl-phenylether
Concen: 46.670 ng
RT: 10.96 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tgt Ion:248 Resp: 346354
Ion Ratio Lower Upper
248 100
250 95.5 77.0 115.4
141 67.6 63.0 94.6

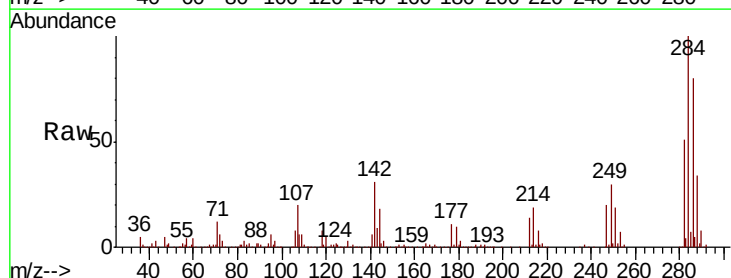


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

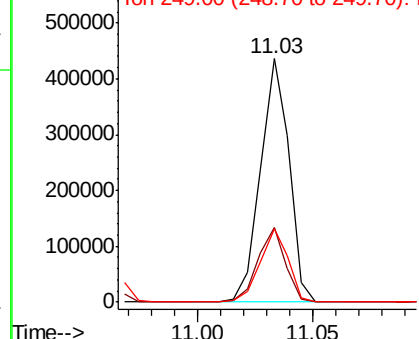
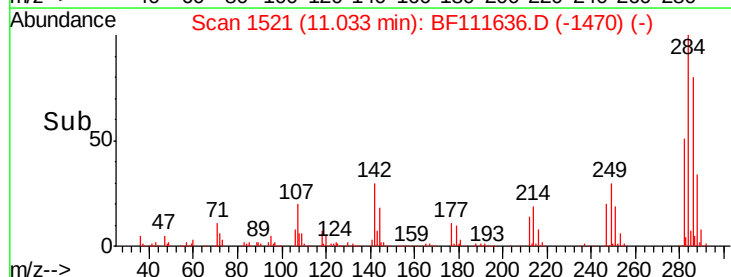


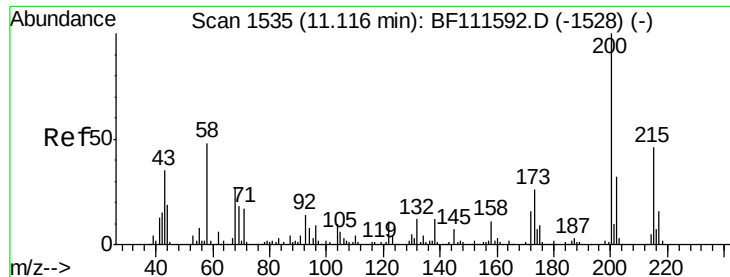
#68
Hexachlorobenzene
Concen: 45.590 ng
RT: 11.03 min Scan# 1521
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion:284 Resp: 377238
Ion Ratio Lower Upper
284 100
142 30.6 27.4 41.2
249 30.1 24.4 36.6



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: 46.039 ng

RT: 11.12 min Scan# 1535

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

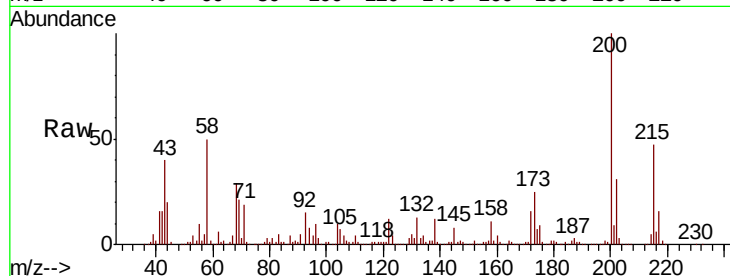
Tgt Ion:200 Resp: 321243

Ion Ratio Lower Upper

200 100

173 25.3 10.1 50.1

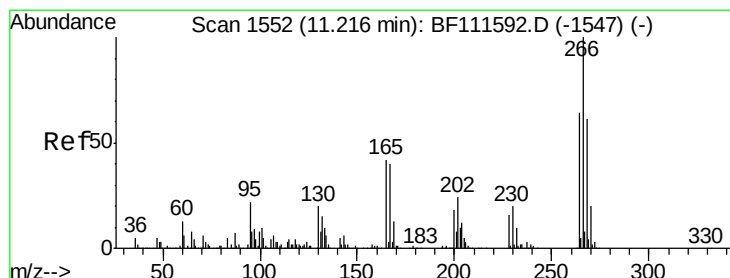
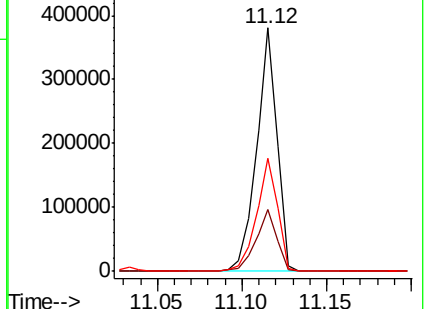
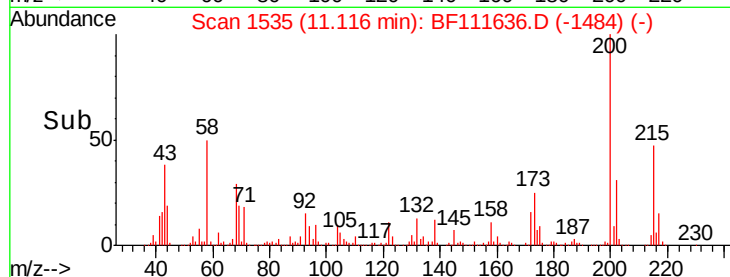
215 46.7 26.9 66.9



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 78.986 ng

RT: 11.22 min Scan# 1553

Delta R.T. 0.01 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

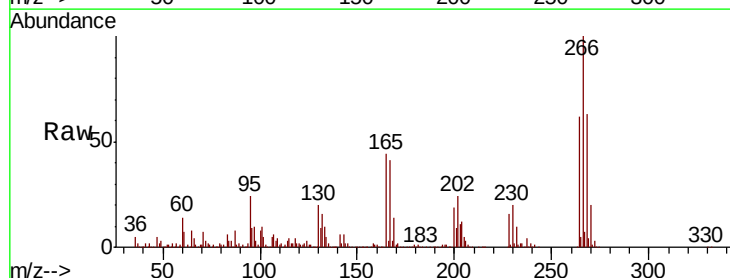
Tgt Ion:266 Resp: 404049

Ion Ratio Lower Upper

266 100

268 62.7 47.9 71.9

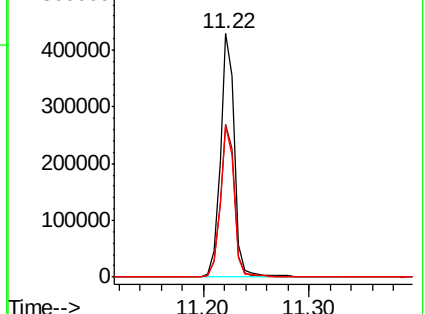
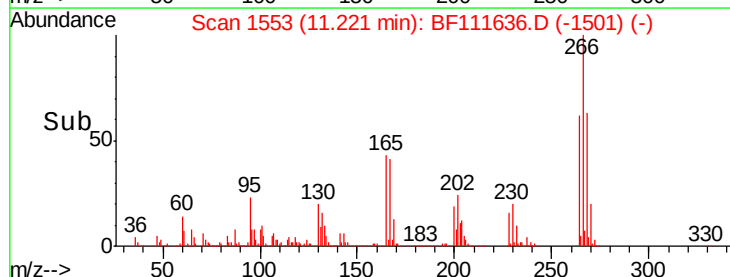
264 62.5 49.1 73.7

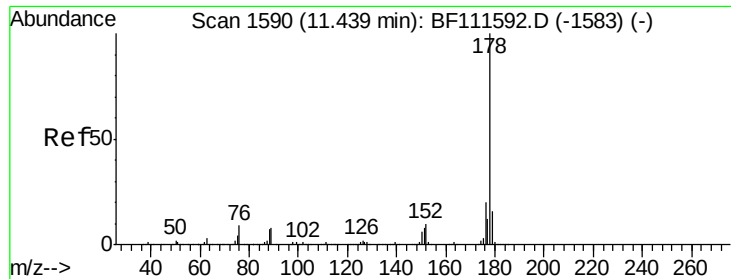


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

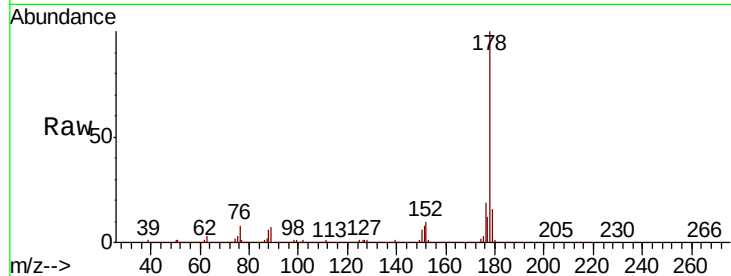




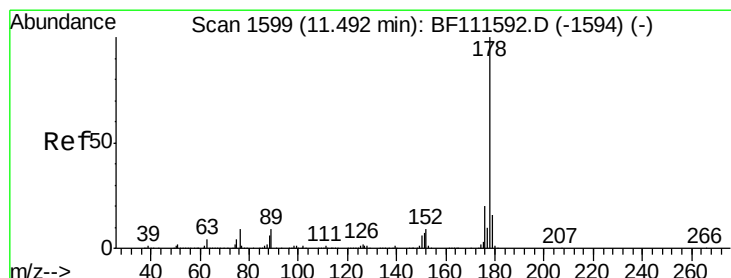
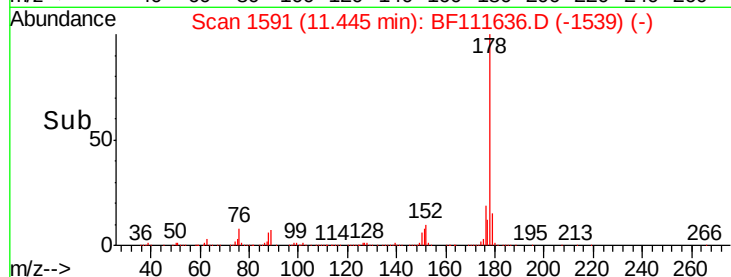
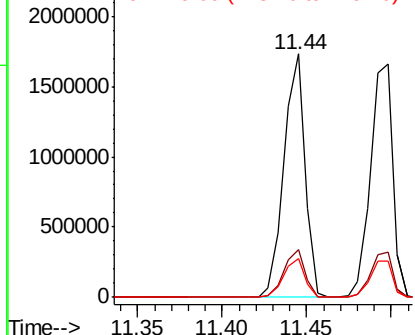
#71
Phenanthrene
Concen: 47.825 ng
RT: 11.44 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tgt Ion:178 Resp: 1517574
Ion Ratio Lower Upper
178 100
176 19.4 18.1 27.1
179 15.8 14.0 21.0

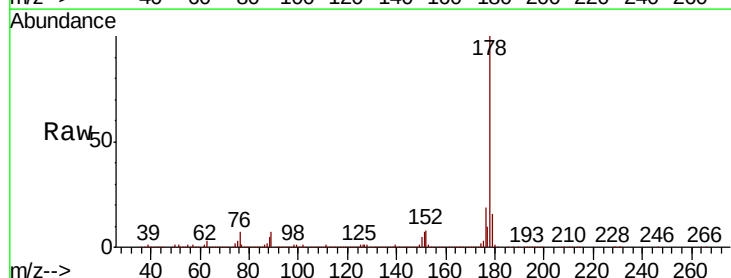


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

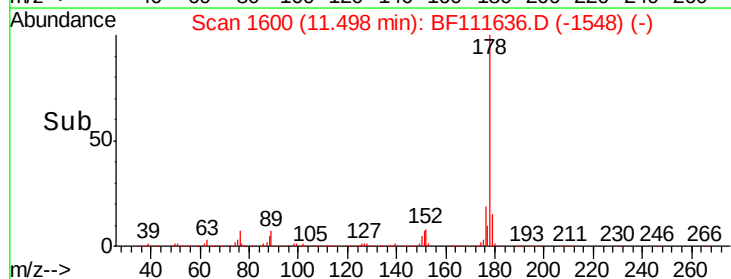
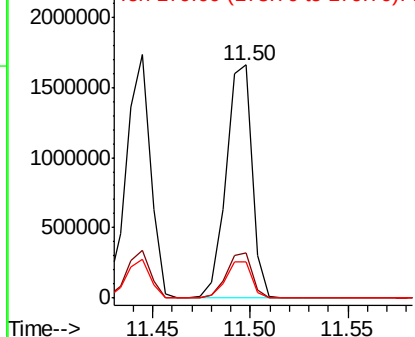


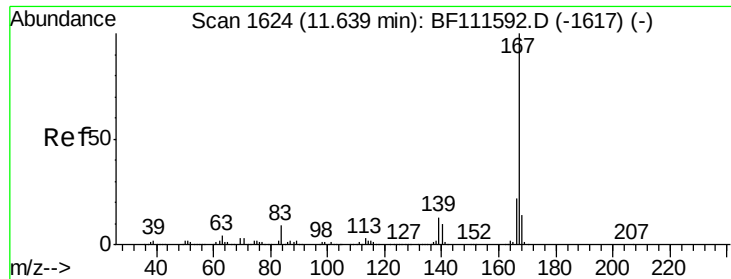
#72
Anthracene
Concen: 48.007 ng
RT: 11.50 min Scan# 1600
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion:178 Resp: 1529070
Ion Ratio Lower Upper
178 100
176 19.2 17.2 25.8
179 15.5 13.8 20.8



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

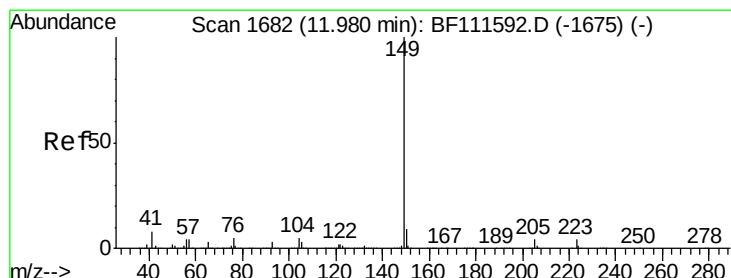
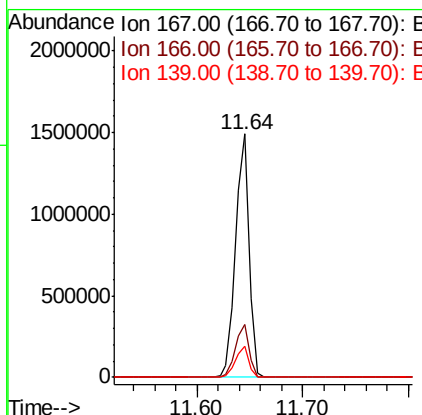
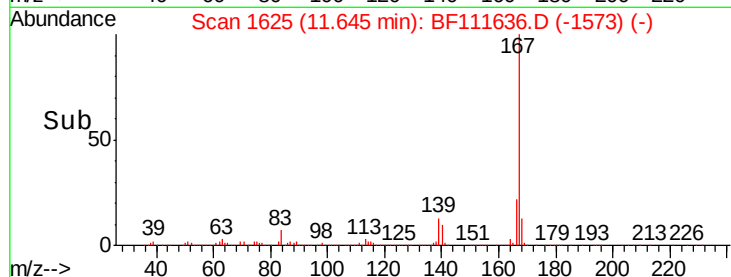
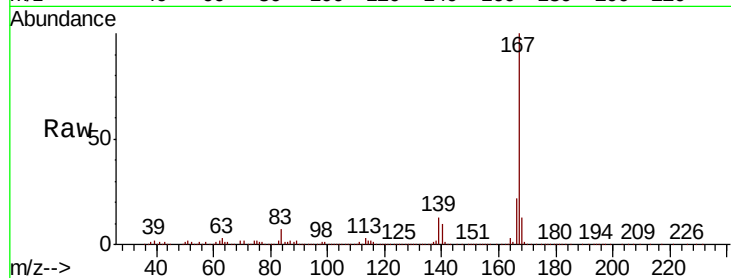




#73
 Carbazole
 Concen: 41.918 ng
 RT: 11.64 min Scan# 1625
 Delta R.T. 0.01 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

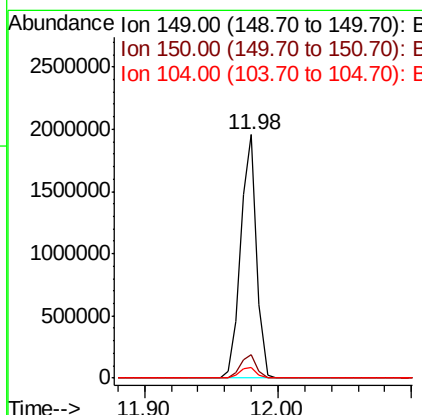
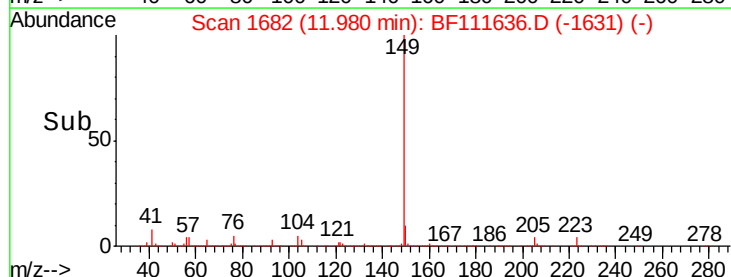
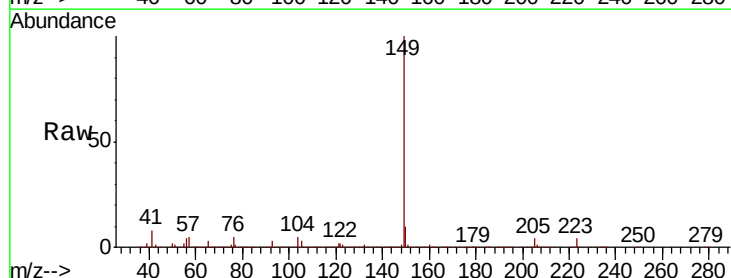
Instrument :
 BNA_F
 ClientSampleId :
 VB-1MSD

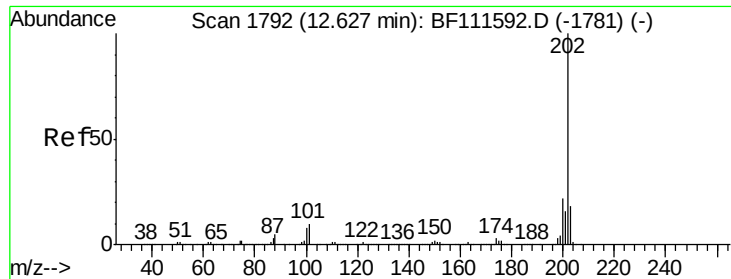
Tgt Ion:167 Resp: 1296210
 Ion Ratio Lower Upper
 167 100
 166 21.6 19.3 28.9
 139 12.6 11.9 17.9



#74
 Di-n-butylphthalate
 Concen: 46.429 ng
 RT: 11.98 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Tgt Ion:149 Resp: 1609746
 Ion Ratio Lower Upper
 149 100
 150 9.6 8.8 13.2
 104 4.6 4.5 6.7

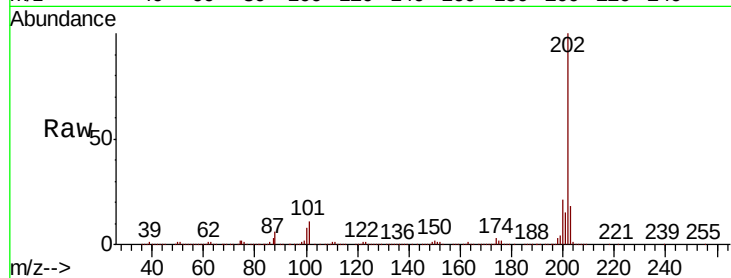




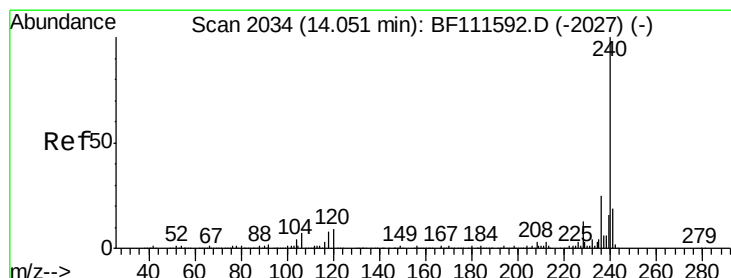
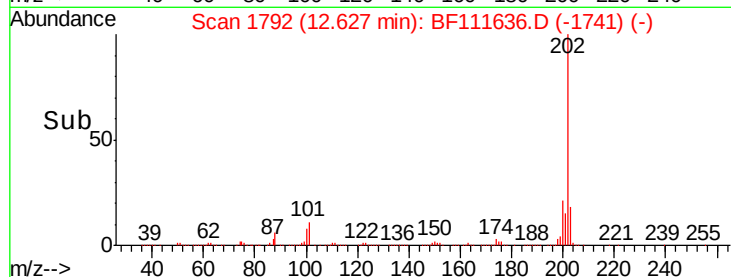
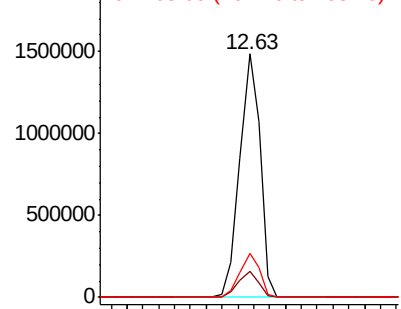
#75
Fluoranthene
Concen: 41.571 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tgt Ion:202 Resp: 1335803
Ion Ratio Lower Upper
202 100
101 10.8 0.0 33.8
203 18.0 0.0 38.6

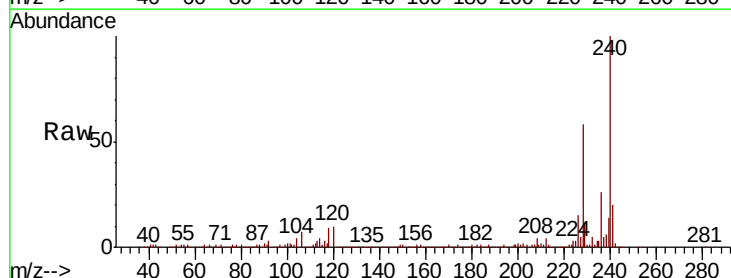


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

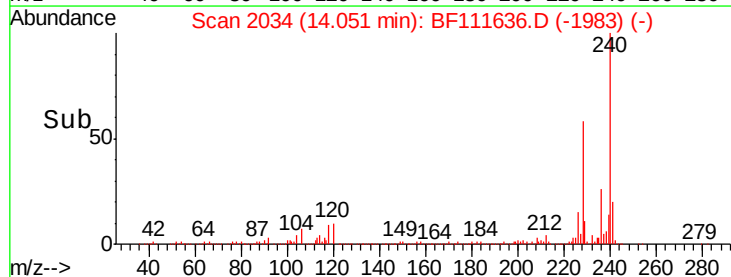
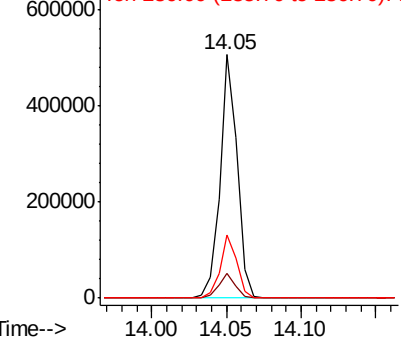


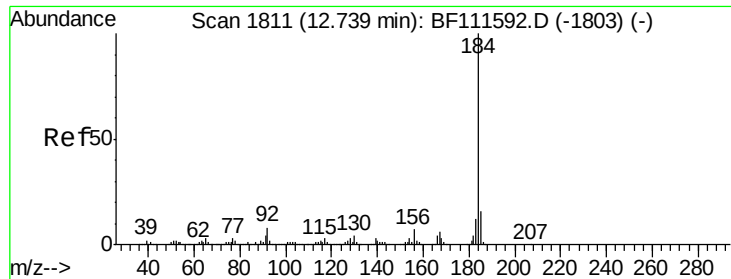
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion:240 Resp: 409988
Ion Ratio Lower Upper
240 100
120 10.3 12.2 18.2#
236 26.0 20.2 30.2



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

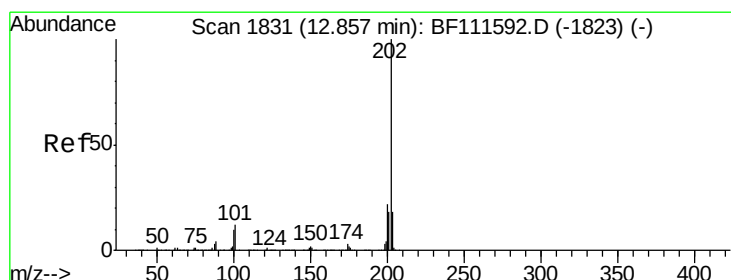
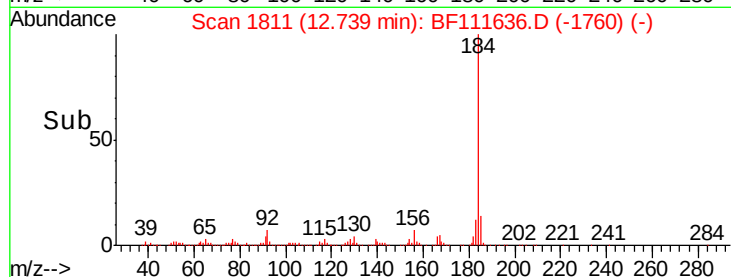
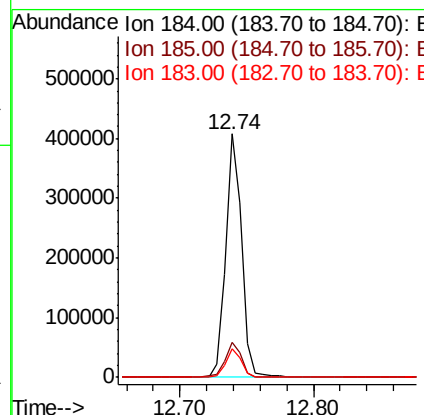
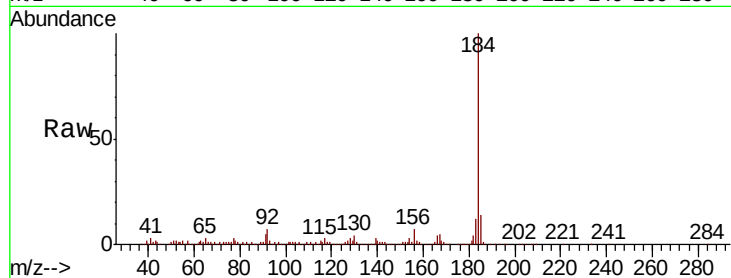




#77
Benzidine
Concen: 22.403 ng
RT: 12.74 min Scan# 1811
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

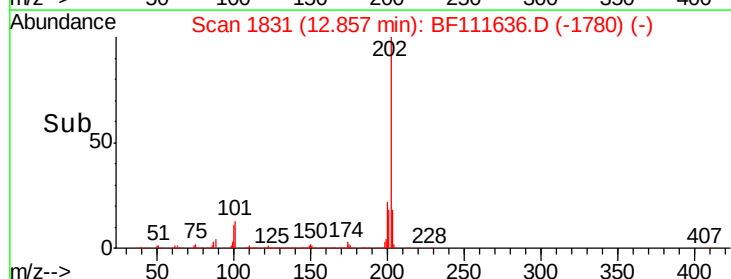
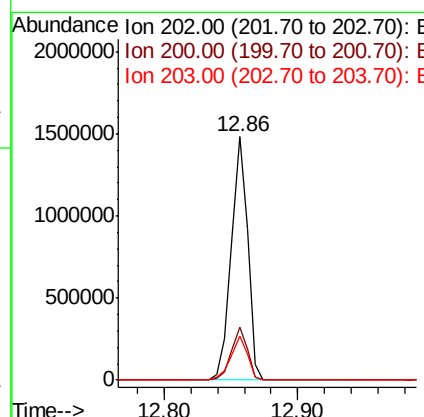
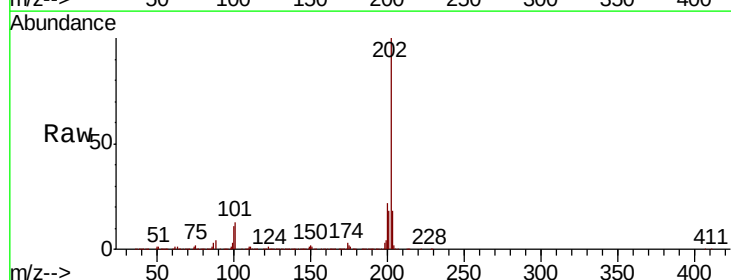
Instrument :
BNA_F
ClientSampleId :
VB-1MSD

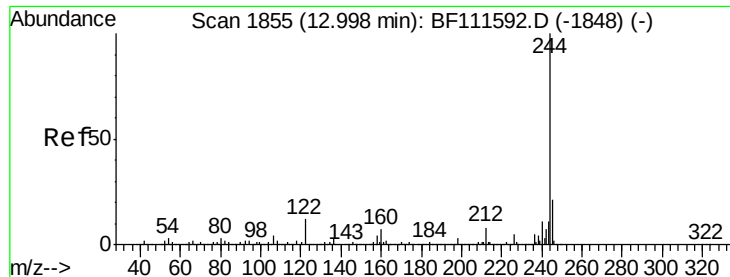
Tgt Ion:184 Resp: 345621
Ion Ratio Lower Upper
184 100
185 14.2 13.0 19.6
183 11.5 9.3 13.9



#78
Pyrene
Concen: 45.046 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion:202 Resp: 1304184
Ion Ratio Lower Upper
202 100
200 21.9 19.0 28.4
203 17.9 15.2 22.8





#79

Terphenyl-d14

Concen: 78.409 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

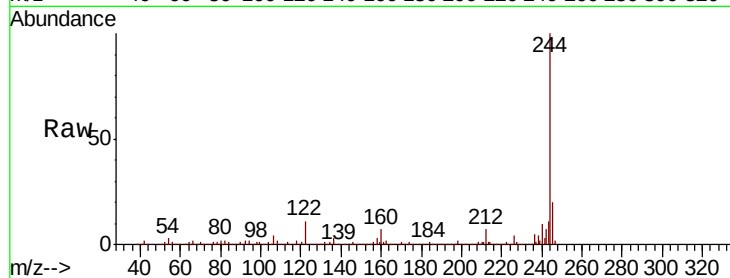
Tgt Ion:244 Resp: 1695121

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

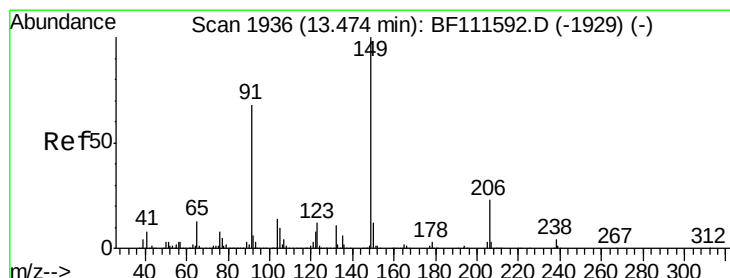
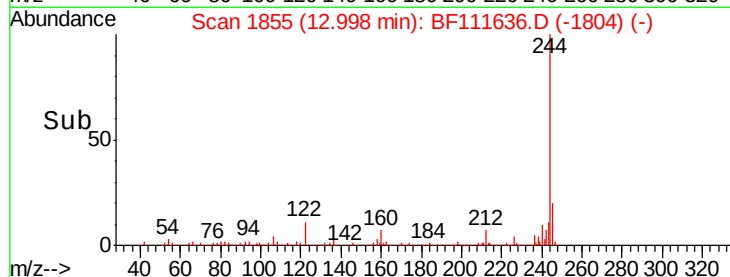
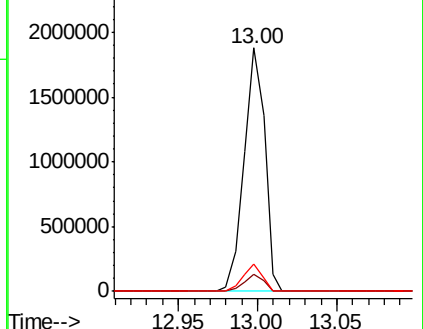
122 11.1 13.1 19.7#



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: 46.528 ng

RT: 13.47 min Scan# 1936

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

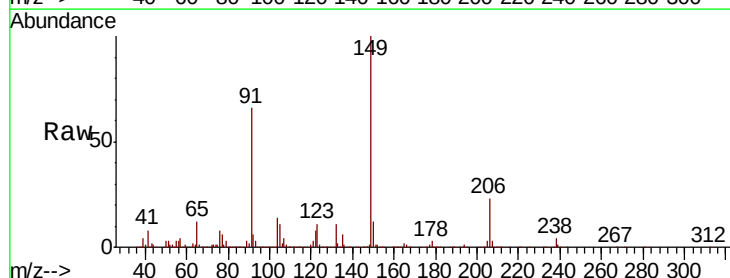
Tgt Ion:149 Resp: 549116

Ion Ratio Lower Upper

149 100

91 65.8 63.8 95.6

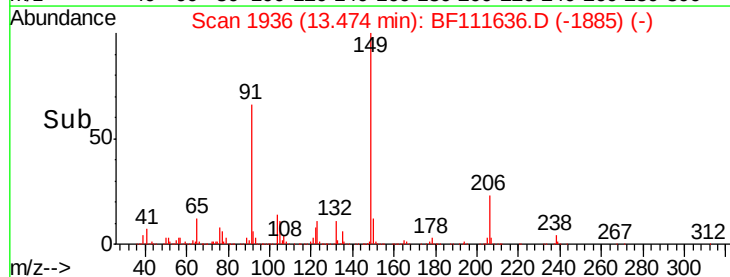
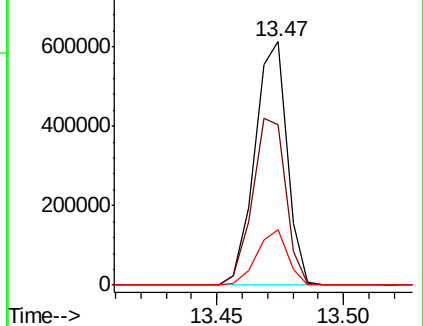
206 22.8 15.1 22.7#

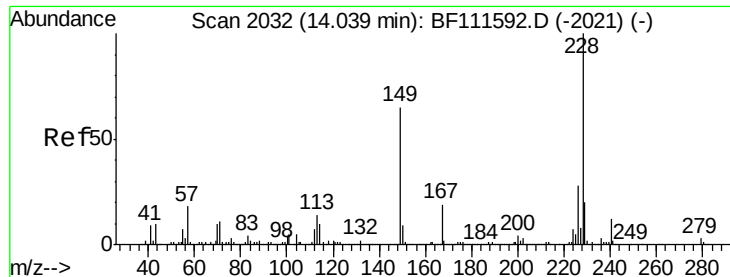


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 47.618 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

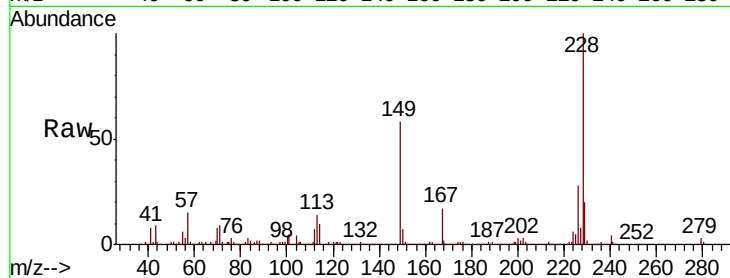
Tgt Ion:228 Resp: 1114156

Ion Ratio Lower Upper

228 100

226 27.7 22.6 34.0

229 20.3 16.3 24.5

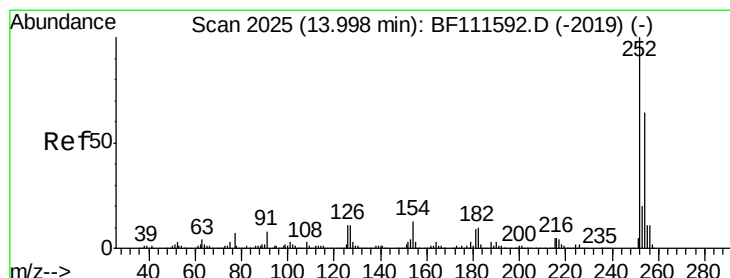
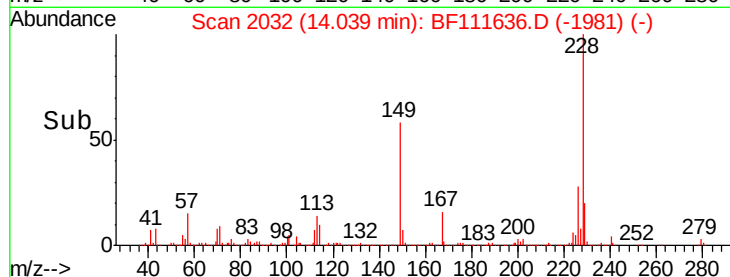
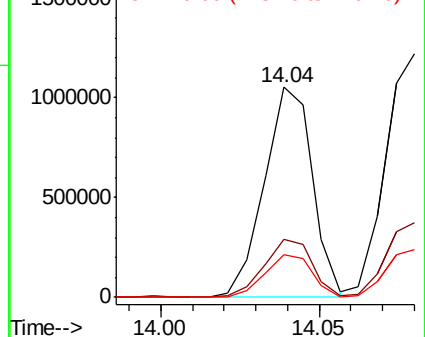


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 37.184 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

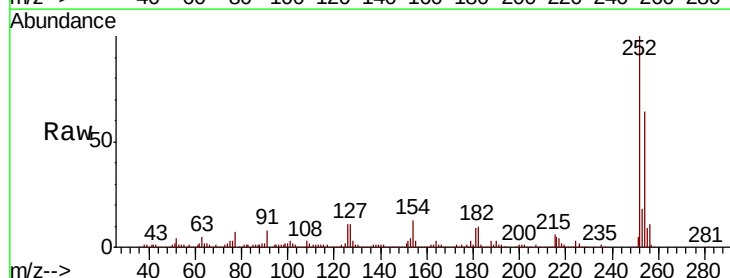
Tgt Ion:252 Resp: 343756

Ion Ratio Lower Upper

252 100

254 64.2 52.7 79.1

126 10.8 11.1 16.7#

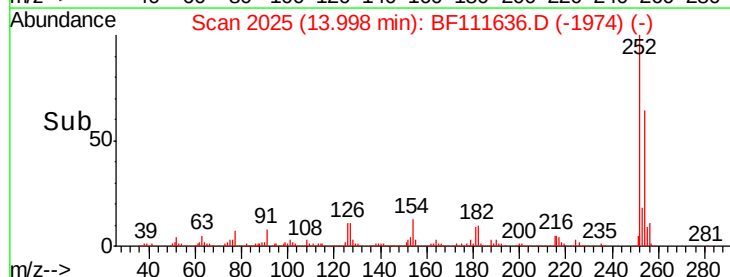
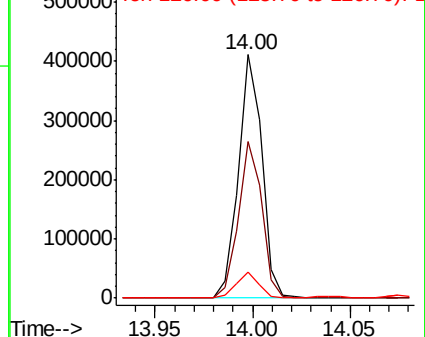


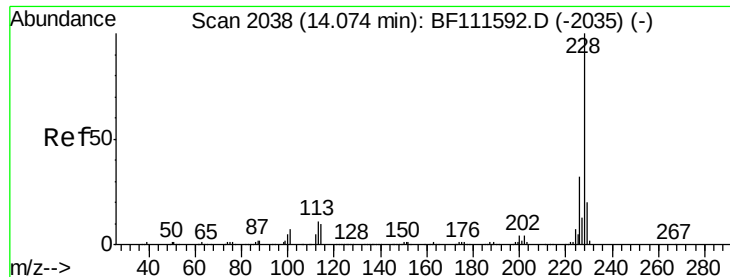
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 47.769 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

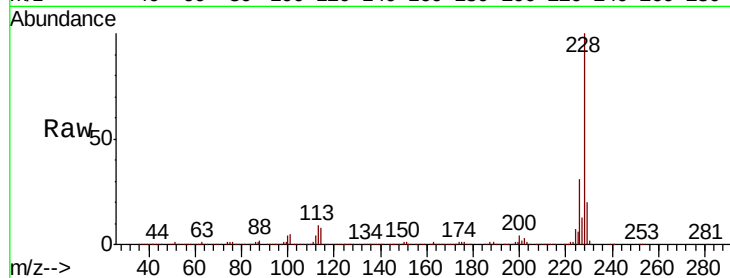
Tgt Ion:228 Resp: 1098518

Ion Ratio Lower Upper

228 100

226 30.9 25.3 37.9

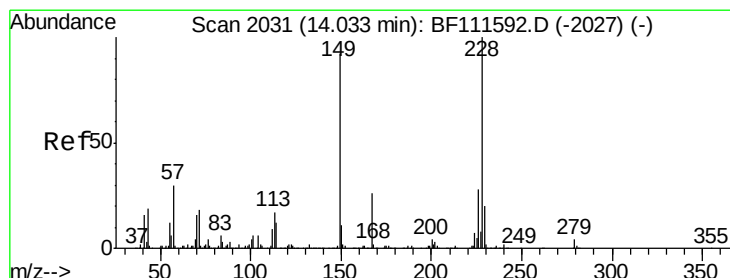
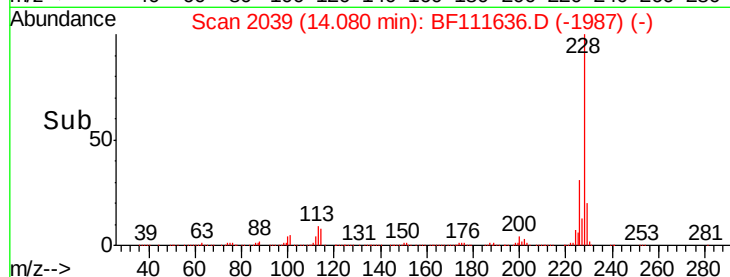
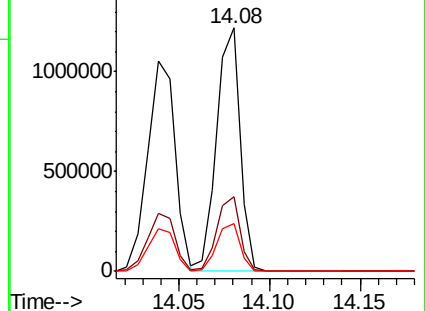
229 19.7 17.2 25.8



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: 48.046 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

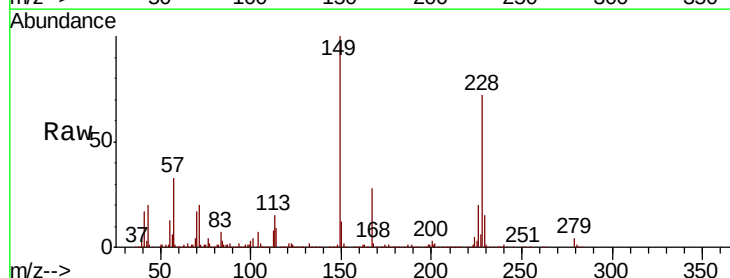
Tgt Ion:149 Resp: 714229

Ion Ratio Lower Upper

149 100

167 27.7 22.5 33.7

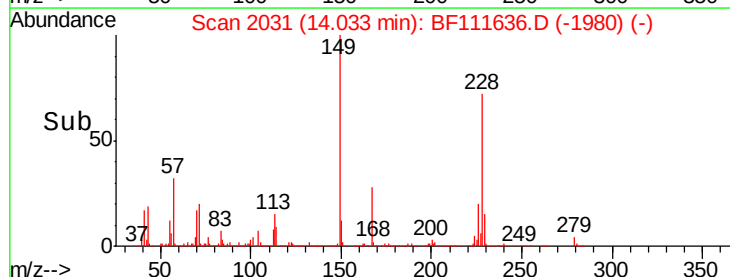
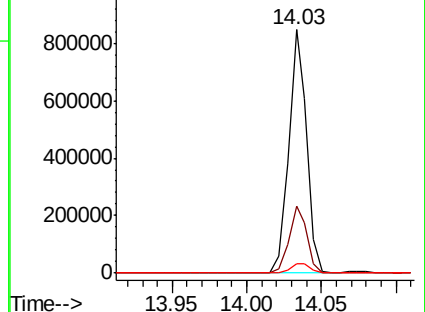
279 4.0 2.6 4.0#

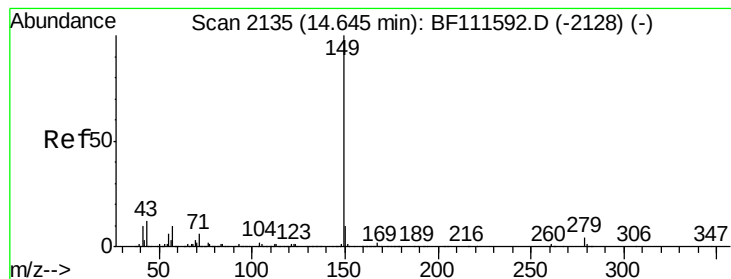


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 52.606 ng

RT: 14.64 min Scan# 2135

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

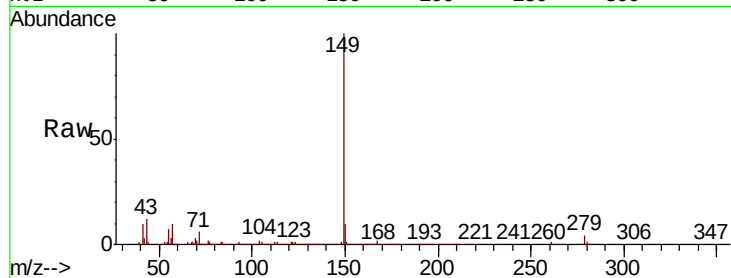
Tgt Ion:149 Resp: 1211621

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

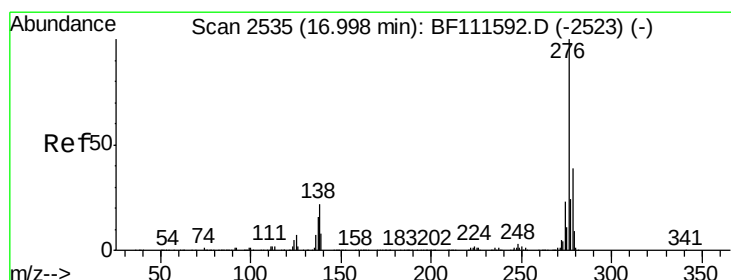
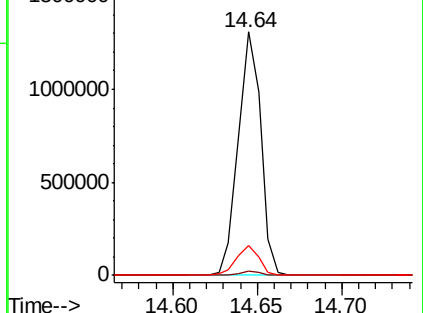
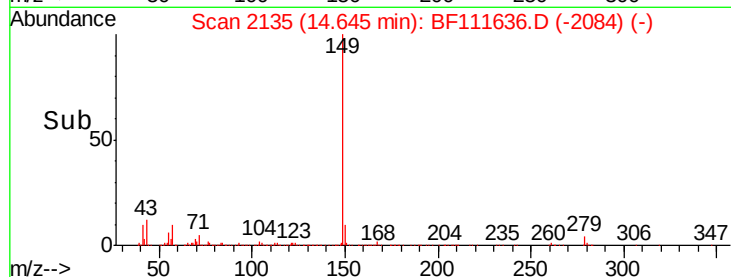
43 11.7 10.9 16.3



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: 53.994 ng

RT: 17.01 min Scan# 2537

Delta R.T. 0.01 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

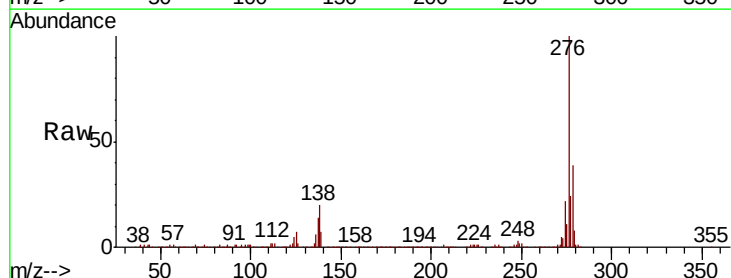
Tgt Ion:276 Resp: 1055550

Ion Ratio Lower Upper

276 100

138 23.2 27.8 41.6#

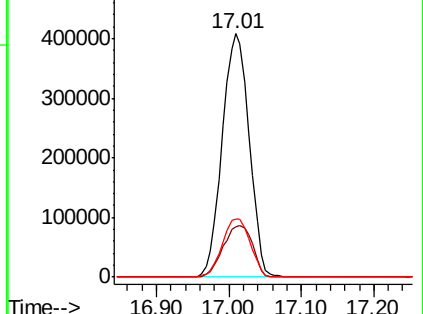
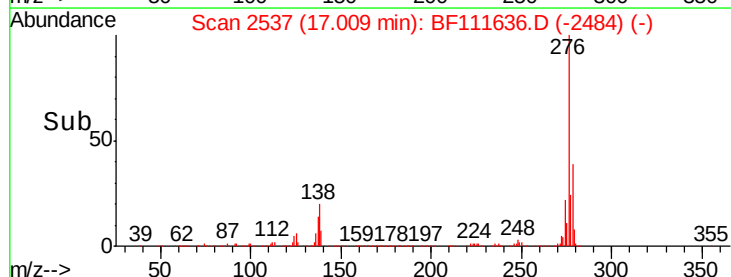
277 25.0 20.1 30.1

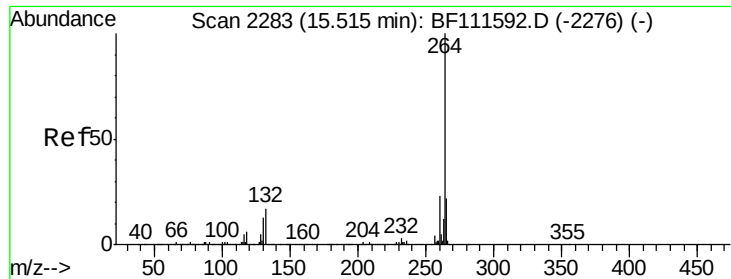


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

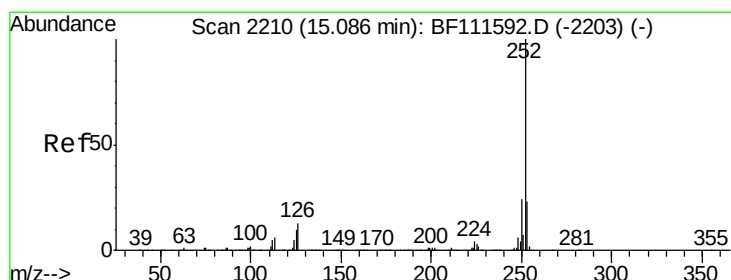
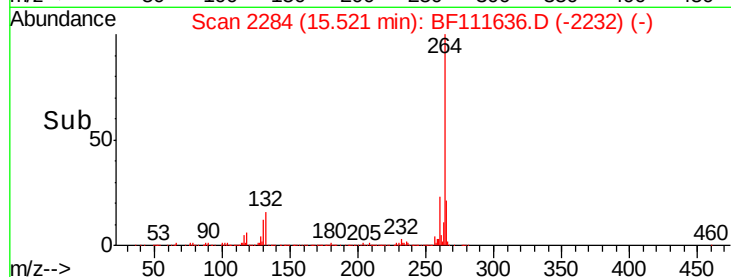
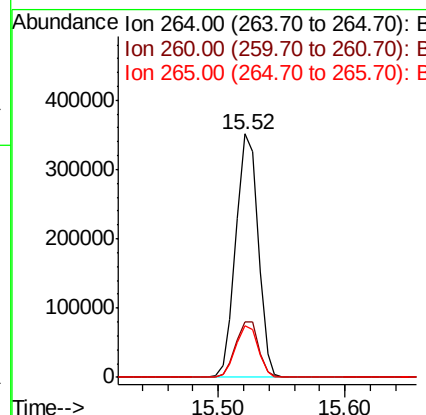
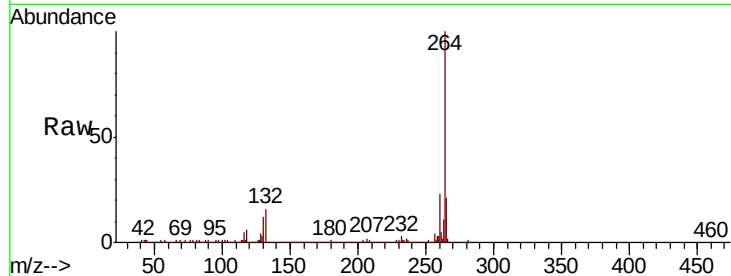




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

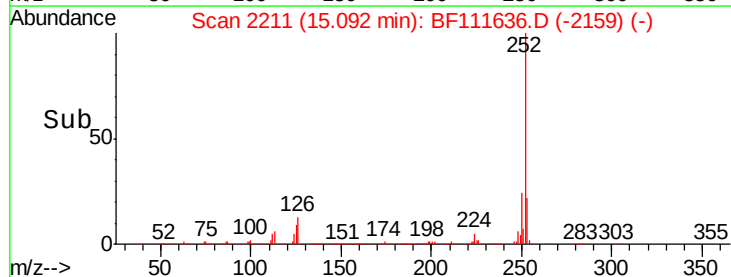
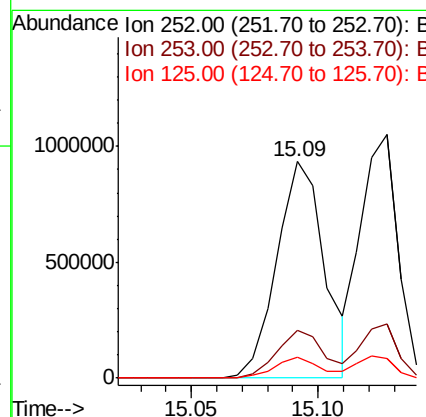
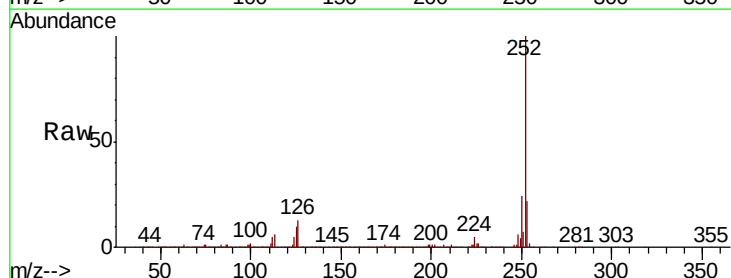
Instrument :
BNA_F
ClientSampleId :
VB-1MSD

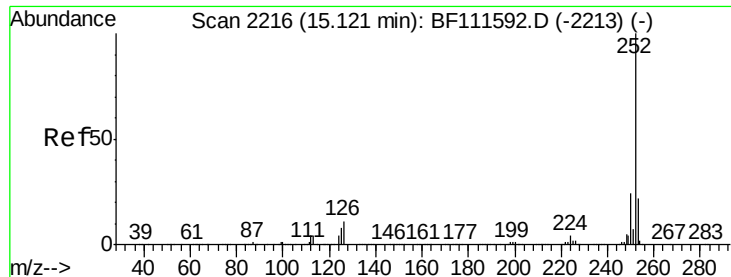
Tgt Ion:264 Resp: 426819
Ion Ratio Lower Upper
264 100
260 23.0 18.3 27.5
265 21.3 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 49.104 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion:252 Resp: 1224909
Ion Ratio Lower Upper
252 100
253 21.9 18.2 27.2
125 9.6 10.4 15.6#

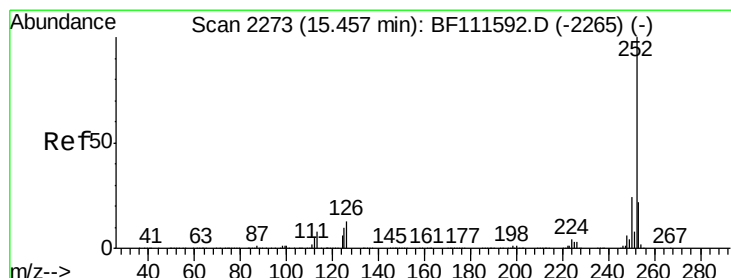
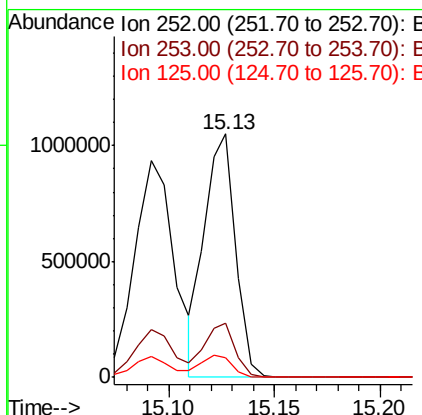
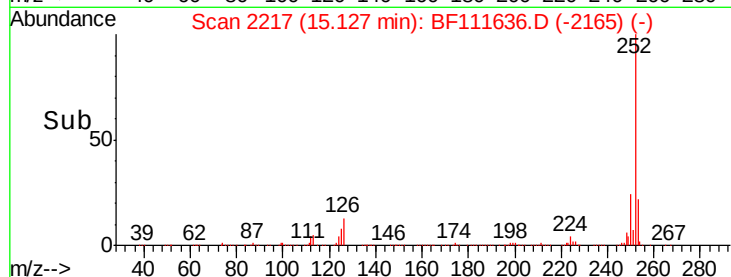
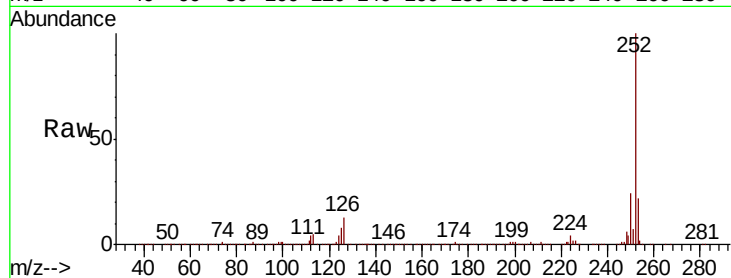




#89
Benzo(k)fluoranthene
Concen: 45.103 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

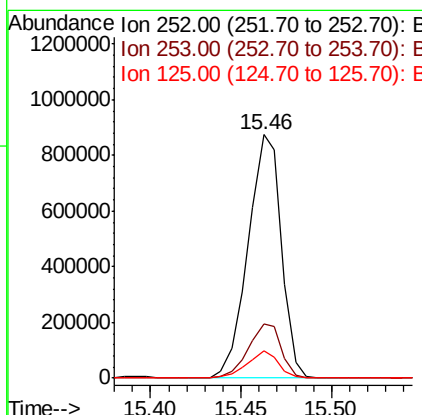
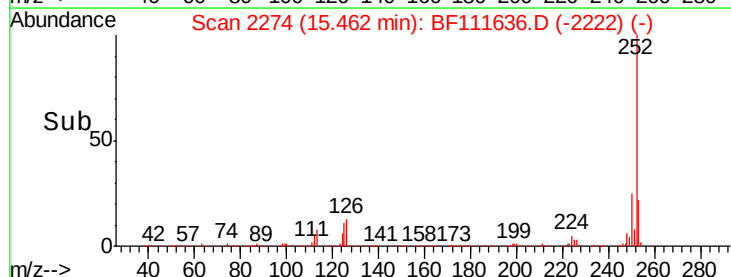
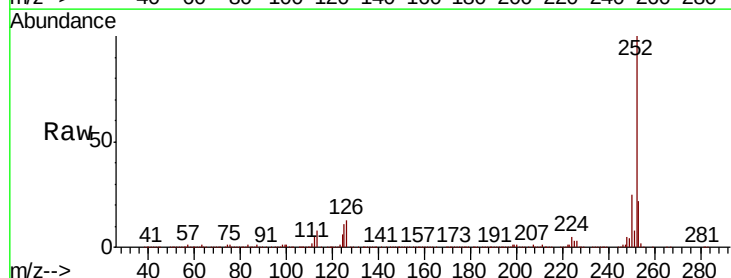
Instrument :
BNA_F
ClientSampleId :
VB-1MSD

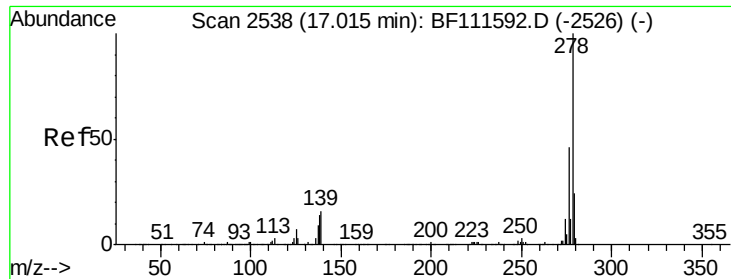
Tgt Ion:252 Resp: 1071114
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 8.3 9.8 14.8#



#90
Benzo(a)pyrene
Concen: 49.179 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion:252 Resp: 1114531
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 11.1 12.3 18.5#





#91

Dibenzo(a,h)anthracene

Concen: 45.042 ng

RT: 17.03 min Scan# 2540

Delta R.T. 0.01 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

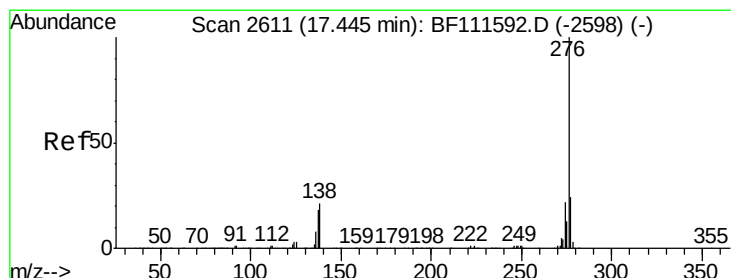
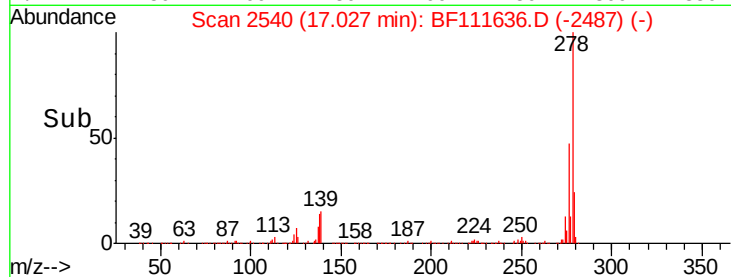
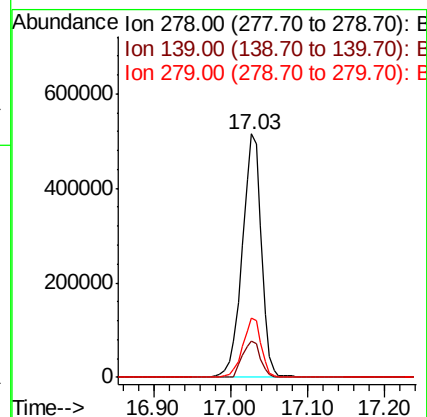
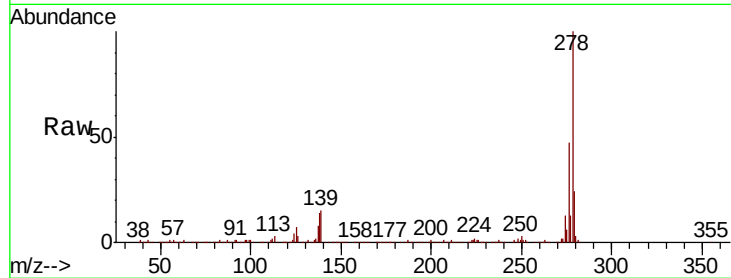
Tgt Ion: 278 Resp: 893871

Ion Ratio Lower Upper

278 100

139 15.0 18.2 27.4#

279 24.1 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 42.223 ng

RT: 17.46 min Scan# 2613

Delta R.T. 0.01 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Tgt Ion: 276 Resp: 818217

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 20.5 24.9 37.3#

