

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
 Data File : BF097610.D
 Acq On : 11 Aug 2017 23:30
 Operator : SJ/JU
 Sample : I4631-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VE-2-1

Quant Time: Aug 12 00:55:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	94913	20.00	ng	0.00
21) Naphthalene-d8	9.53	136	413000	20.00	ng	0.00
38) Acenaphthene-d10	12.36	164	205430	20.00	ng	0.00
63) Phenanthrene-d10	14.76	188	324291	20.00	ng	0.00
75) Chrysene-d12	18.46	240	218133	20.00	ng	0.00
86) Perylene-d12	20.13	264	190655	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	466432	78.11	ng	0.02
7) Phenol-d6	7.07	99	321388	43.39	ng	0.01
23) Nitrobenzene-d5	8.42	82	603296	91.60	ng	0.00
41) 2,4,6-Tribromophenol	13.67	330	212271	135.93	ng	0.00
44) 2-Fluorobiphenyl	11.32	172	1014386	74.52	ng	0.00
78) Terphenyl-d14	17.13	244	741901	70.39	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.86	88	756	0.29	ng	# 17
4) n-Nitrosodimethylamine	2.25	42	114	0.03	ng	# 1
6) Aniline	7.16	93	555	0.05	ng	# 1
10) Phenol	7.10	94	11513	1.42	ng	# 53
11) bis(2-Chloroethyl)ether	7.16	93	555	0.09	ng	# 1
13) 1,4-Dichlorobenzene	7.77	146	573	0.07	ng	# 1
14) 1,2-Dichlorobenzene	7.77	146	573	0.08	ng	# 1
15) Benzyl Alcohol	7.74	79	9656	1.89	ng	# 47
16) 2,2'-oxybis(1-Chloropropan	7.79	45	109	0.01	ng	# 1
18) Hexachloroethane	8.37	117	994	0.37	ng	# 1
19) n-Nitroso-di-n-propylamine	8.42	70	79417	15.41	ng	# 85
22) Acetophenone	8.17	105	109	0.01	ng	# 46
24) Nitrobenzene	8.42	77	1472	0.21	ng	# 36
25) Isophorone	8.83	82	383	0.03	ng	# 67
31) Naphthalene	9.57	128	1893	0.09	ng	# 68
36) 4-Chloro-3-methylphenol	10.58	107	115	0.02	ng	# 14
37) 2-Methylnaphthalene	10.86	142	14701	1.13	ng	94
45) 1,1'-Biphenyl	11.48	154	1888	0.11	ng	94
46) 2-Chloronaphthalene	11.72	162	836	0.06	ng	# 40
47) 2-Nitroaniline	11.67	65	257	0.05	ng	# 7
48) Acenaphthylene	12.15	152	1529	0.07	ng	# 1
49) Dimethylphthalate	12.01	163	38869	2.46	ng	99
50) 2,6-Dinitrotoluene	12.36	165	25754	7.88	ng	# 35
51) Acenaphthene	12.42	154	3755	0.29	ng	97
52) 3-Nitroaniline	12.35	138	1082	0.25	ng	# 7
54) Dibenzofuran	12.72	168	3468	0.19	ng	# 55
55) 4-Nitrophenol	12.72	139	4875	2.99	ng	# 33
56) 2,4-Dinitrotoluene	12.80	165	762	0.17	ng	# 31
57) Fluorene	13.26	166	6867	0.46	ng	# 88
59) Diethylphthalate	13.16	149	2314	0.15	ng	# 77
60) 4-Chlorophenyl-phenylether	13.28	204	109	0.02	ng	# 37
61) 4-Nitroaniline	13.31	138	770	0.19	ng	# 1
62) Azobenzene	13.55	77	508	0.03	ng	# 47
64) 4,6-Dinitro-2-methylphenol	13.43	198	126	0.06	ng	# 1

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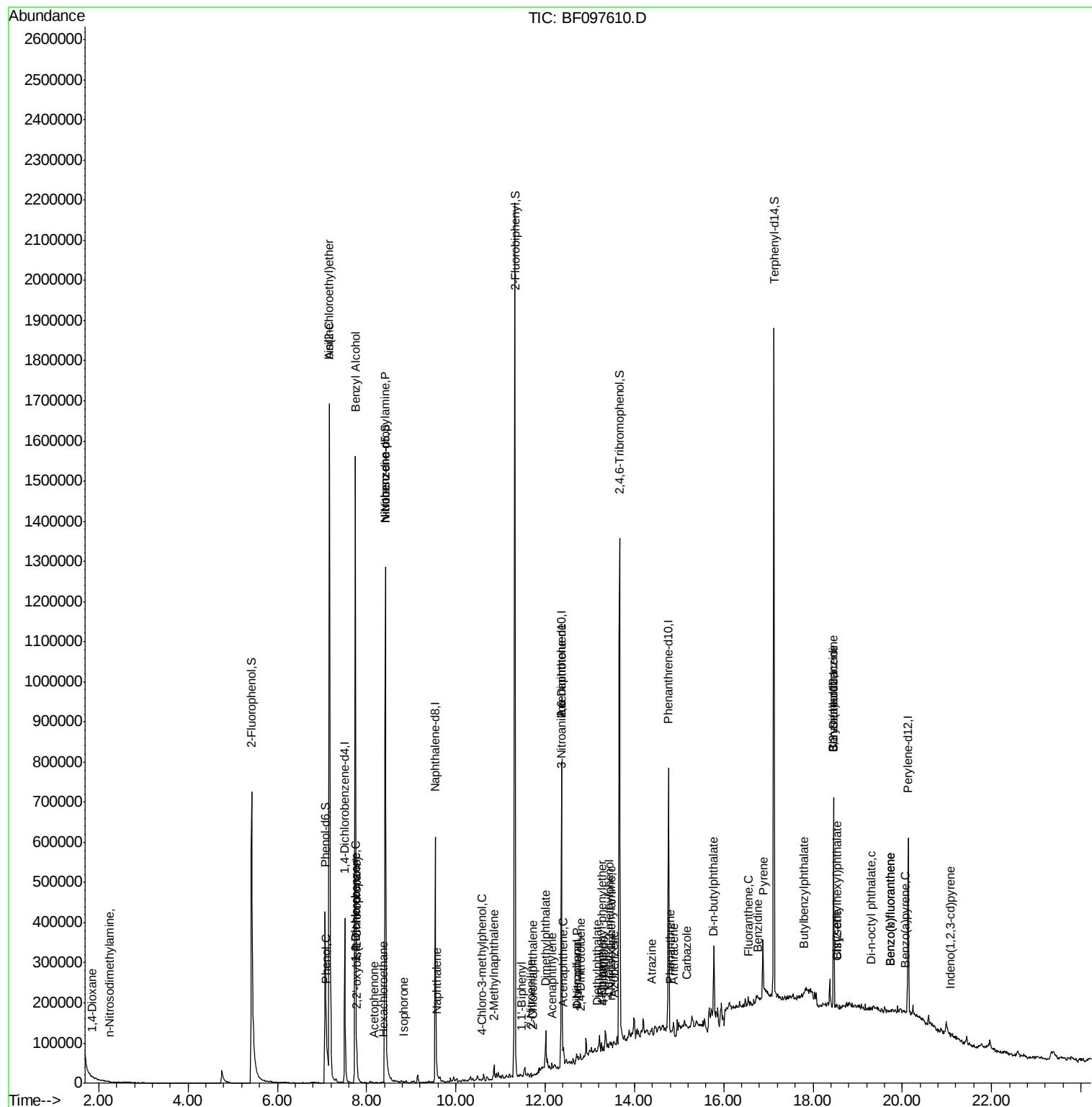
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) n-Nitrosodiphenylamine	13.47	169	2568	0.21	nq	# 82
68) Atrazine	14.39	200	451	0.15	nq	# 1
70) Phenanthrene	14.80	178	929	0.05	nq	# 1
71) Anthracene	14.89	178	1567	0.08	nq	# 5
72) Carbazole	15.17	167	287	0.02	nq	# 1
73) Di-n-butylphthalate	15.76	149	4729	0.22	nq	# 70
74) Fluoranthene	16.56	202	1189	0.07	nq	# 24
76) Benzidine	16.77	184	943	0.13	nq	# 1
77) Pyrene	16.87	202	968	0.05	nq	# 1
79) Butylbenzylphthalate	17.78	149	1348	0.18	nq	# 1
80) Benzo(a)anthracene	18.46	228	2579	0.20	nq	# 53
81) 3,3'-Dichlorobenzidine	18.46	252	110	0.03	nq	# 1
82) Chrysene	18.52	228	190	0.01	nq	# 1
83) Bis(2-ethylhexyl)phthalate	18.53	149	3657	0.34	nq	# 83
84) Di-n-octyl phthalate	19.31	149	955	0.05	nq	# 1
85) Indeno(1,2,3-cd)pyrene	21.08	276	127	0.01	nq	# 1
87) Benzo(b)fluoranthene	19.73	252	1136	0.10	nq	# 1
88) Benzo(k)fluoranthene	19.73	252	1136	0.10	nq	# 1
89) Benzo(a)pyrene	20.07	252	224	0.02	nq	# 1

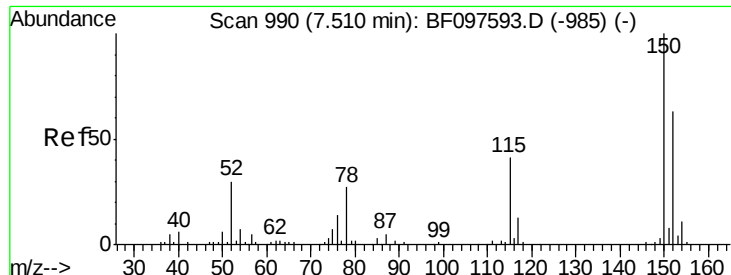
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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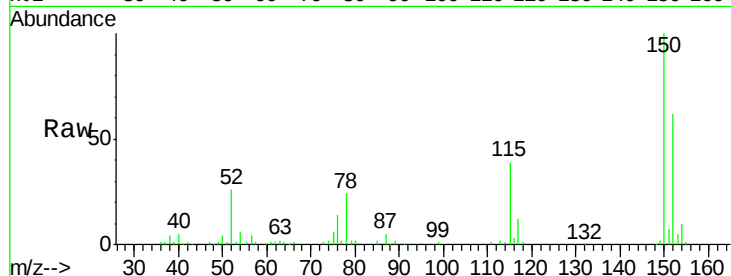


#1

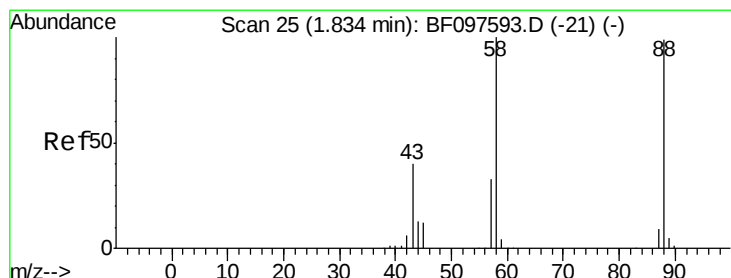
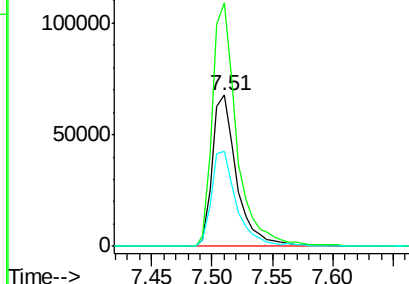
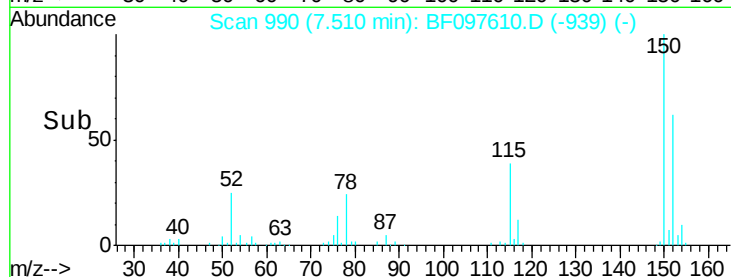
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.51 min Scan# 990
Delta R.T. 0.00 min
Lab File: BF097610.D
Acq: 11 Aug 2017 23:30

Instrument :
BNA_F
ClientSampled :
VE-2-1

Tot Ion:152 Resp: 94913
Ion Ratio Lower Upper
152 100
150 161.3 126.2 189.2
115 63.0 52.2 78.2



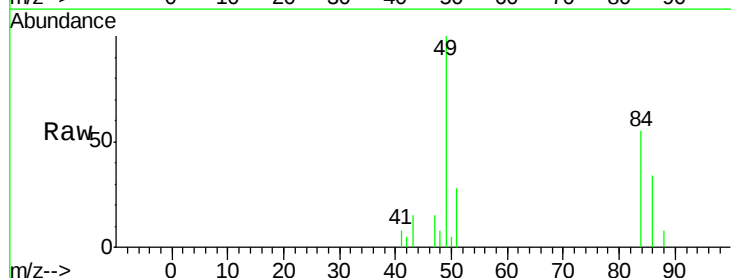
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



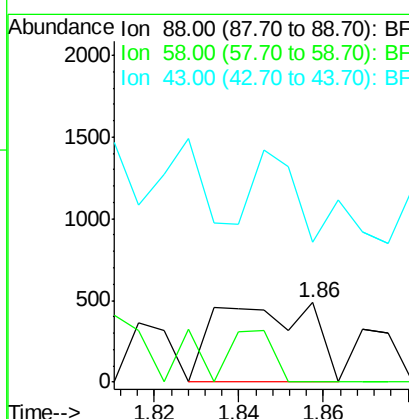
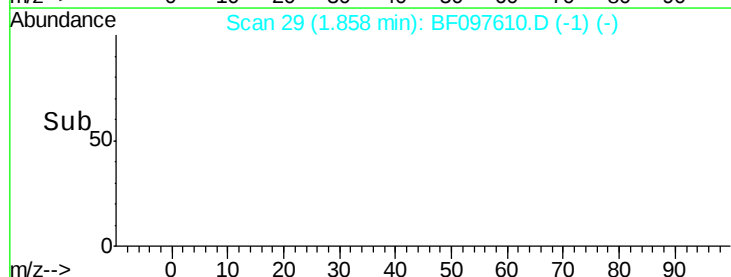
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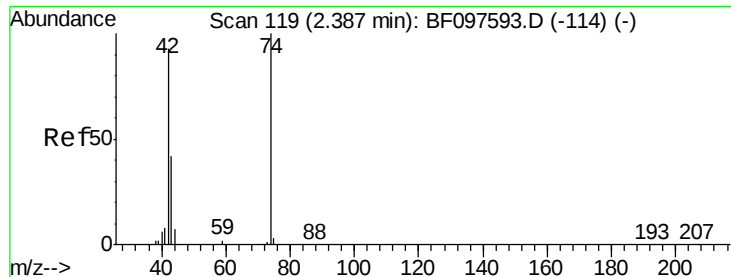
1,4-Dioxane
Concen: 0.29 ng
RT: 1.86 min Scan# 29
Delta R.T. 0.02 min
Lab File: BF097610.D
Acq: 11 Aug 2017 23:30

Tgt Ion: 88 Resp: 756
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 64.6 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 0.03 ng

RT: 2.25 min Scan# 95

Delta R.T. -0.14 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

Instrument :

BNA_F

ClientSampleId :

VE-2-1

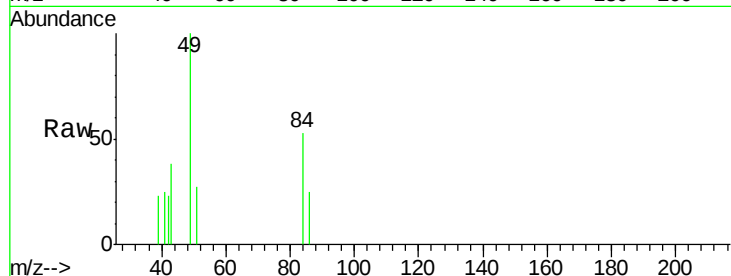
Tot Ion: 42 Resp: 114

Ion Ratio Lower Upper

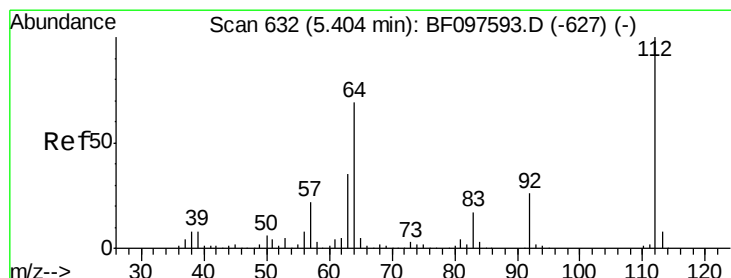
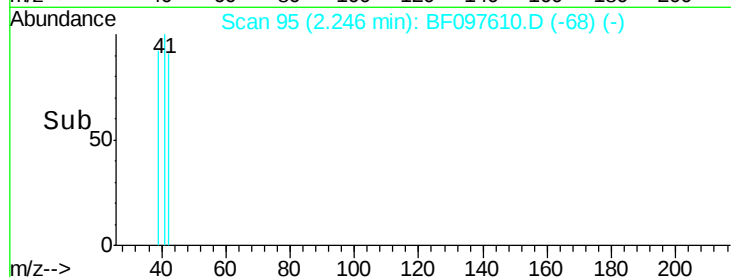
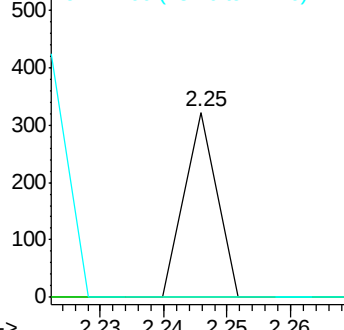
42 100

74 0.0 103.9 155.9#

44 0.0 5.7 8.5#



Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0



#5

2-Fluorophenol

Concen: 78.11 ng

RT: 5.42 min Scan# 635

Delta R.T. 0.02 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

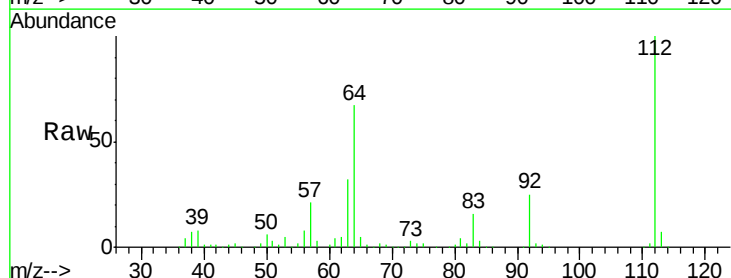
Tgt Ion: 112 Resp: 466432

Ion Ratio Lower Upper

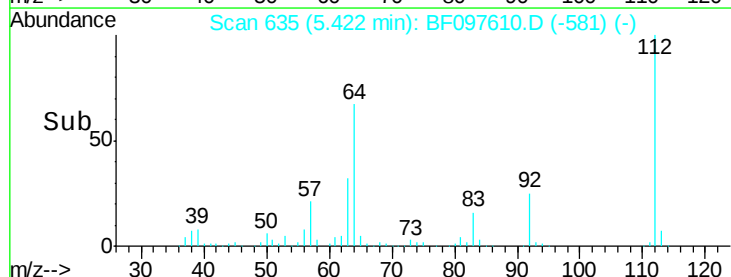
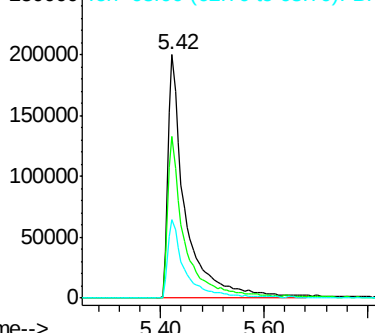
112 100

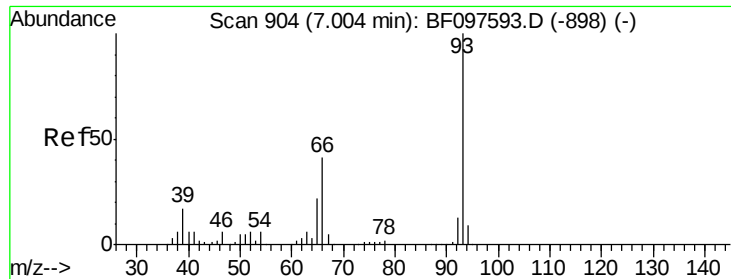
64 66.7 46.0 69.0

63 32.4 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.05 ng

RT: 7.16 min Scan# 930

Delta R.T. 0.15 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

Instrument :

BNA_F

ClientSampleId :

VE-2-1

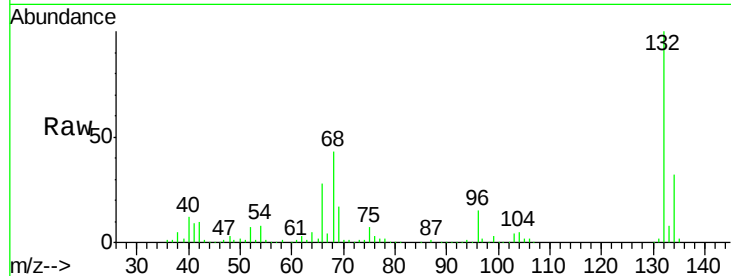
Tot Ion: 93 Resp: 555

Ion Ratio Lower Upper

93 100

66 15646.4 32.9 49.3#

65 1180.1 16.0 24.0#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0

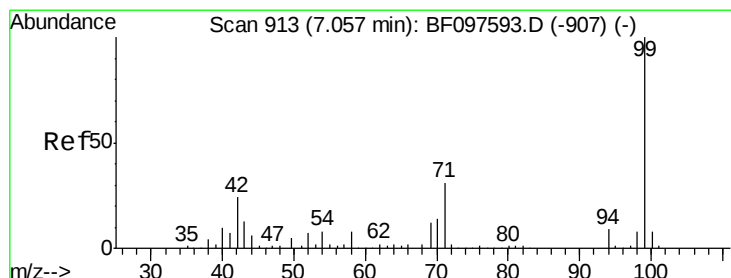
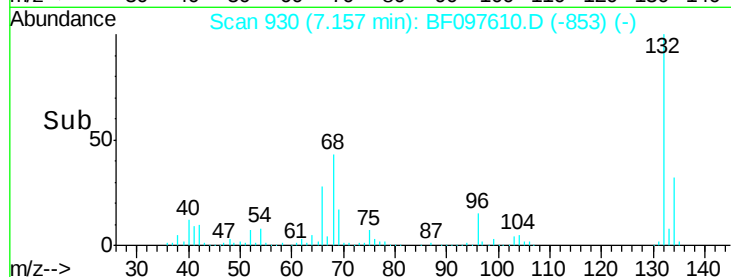
150000

100000

50000

0

Time-->



#7

Phenol-d6

Concen: 43.39 ng

RT: 7.07 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

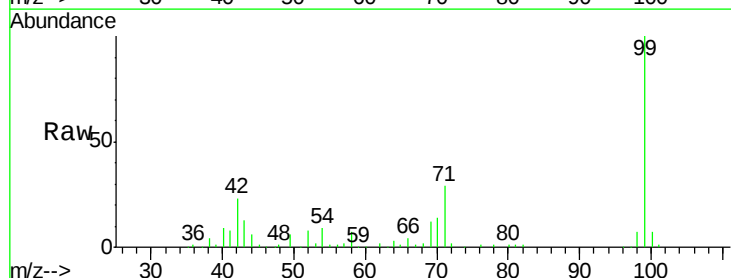
Tgt Ion: 99 Resp: 321388

Ion Ratio Lower Upper

99 100

42 22.8 13.5 20.3#

71 29.4 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0

200000

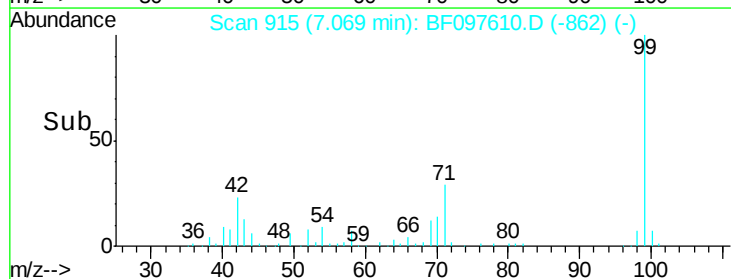
150000

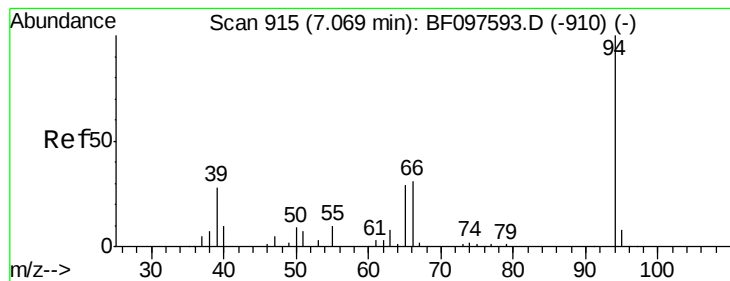
100000

50000

0

Time-->





#10

Phenol

Concen: 1.42 ng

RT: 7.10 min Scan# 921

Delta R.T. 0.04 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

Instrument :

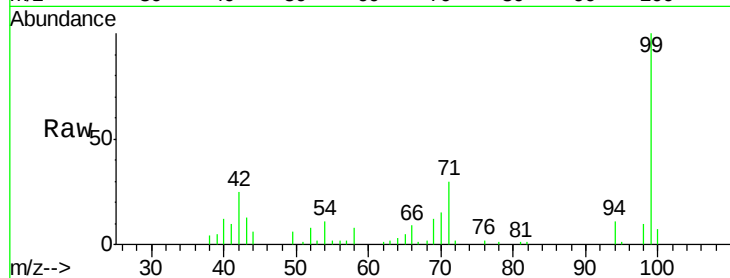
BNA_F

ClientSampleId :

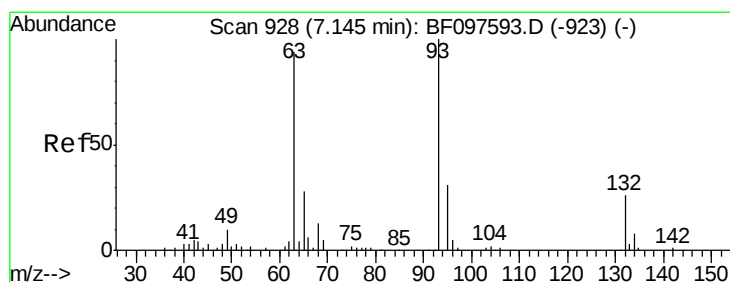
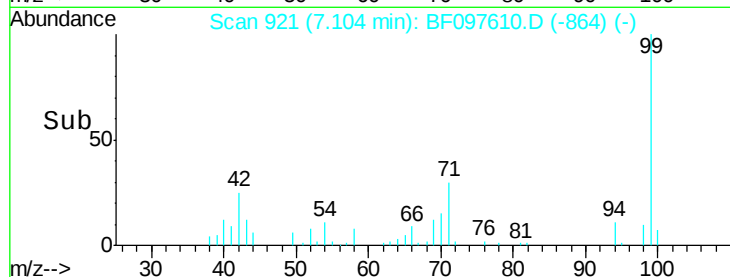
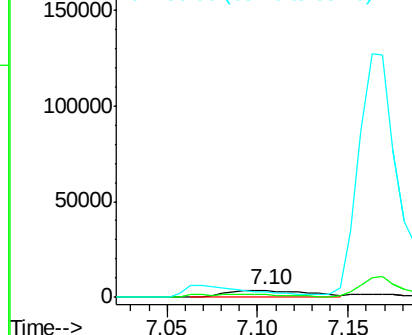
VE-2-1

Tot Ion: 94 Resp: 11513

Ion	Ratio	Lower	Upper
94	100		
65	44.4	9.9	49.9
66	81.8	23.1	63.1#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 0.09 ng

RT: 7.16 min Scan# 930

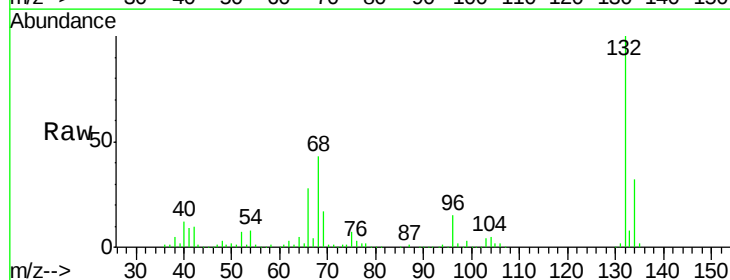
Delta R.T. 0.01 min

Lab File: BF097610.D

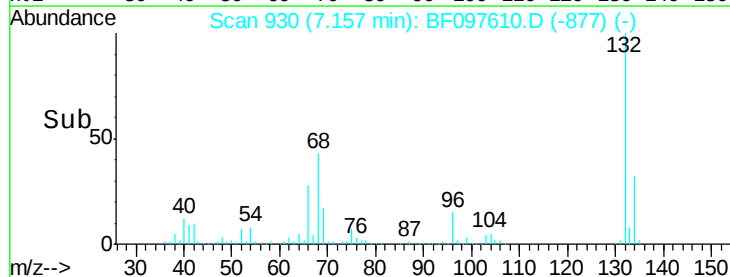
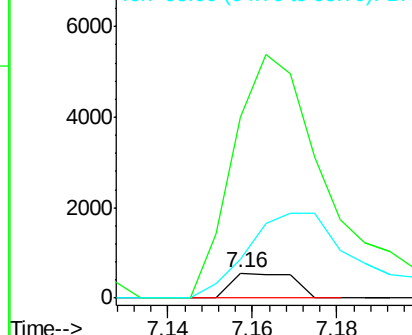
Acq: 11 Aug 2017 23:30

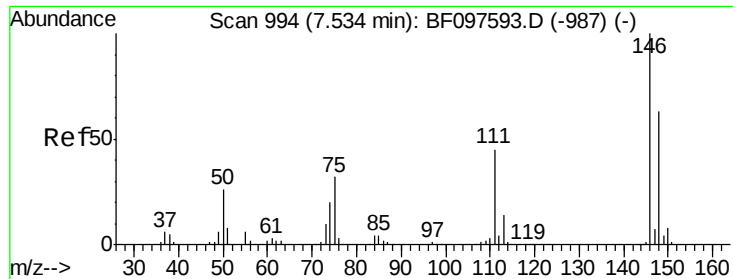
Tgt Ion: 93 Resp: 555

Ion	Ratio	Lower	Upper
93	100		
63	724.8	59.2	99.2#
95	156.7	12.8	52.8#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0

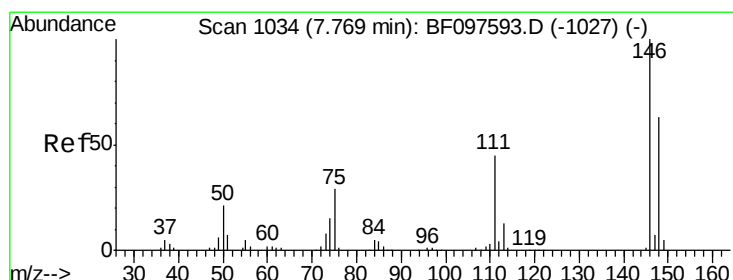
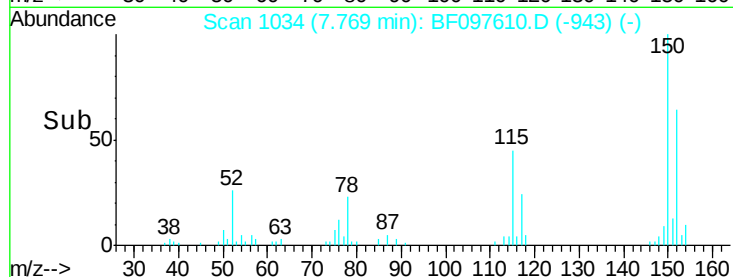
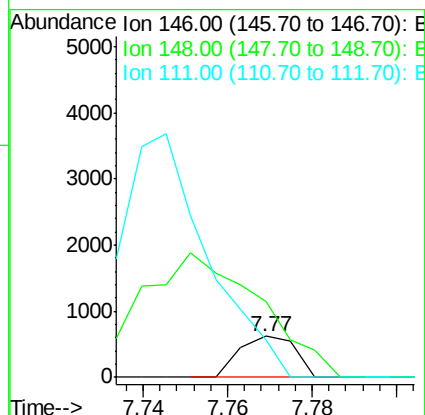
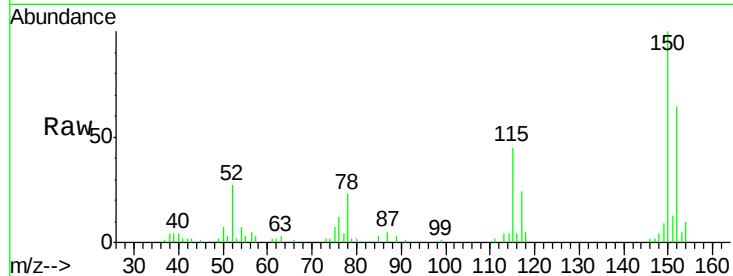




#13
 1,4-Dichlorobenzene
 Concen: 0.07 ng
 RT: 7.77 min Scan# 1034
 Delta R.T. 0.24 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

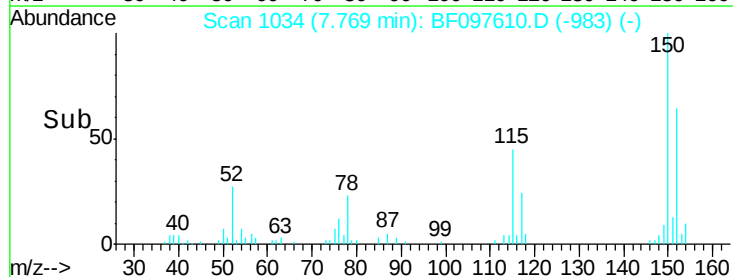
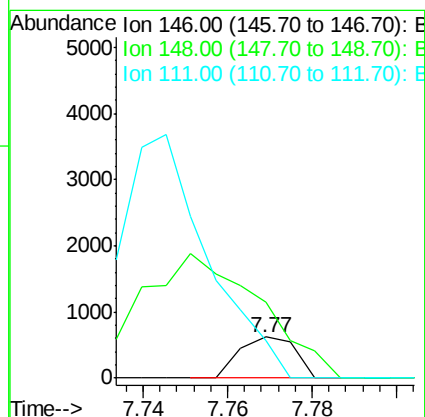
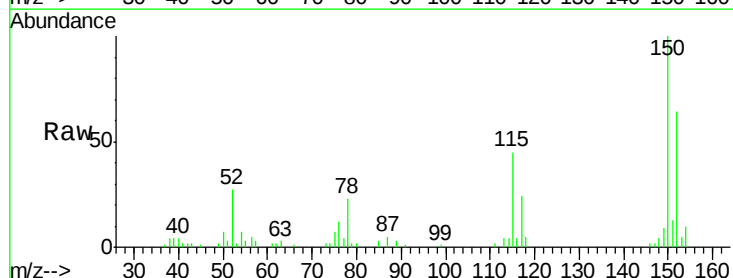
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 ClientSampled :
 VE-2-1

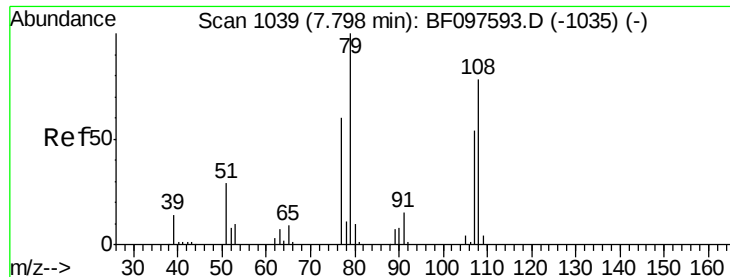
Tot Ion:146 Resp: 573
 Ion Ratio Lower Upper
 146 100
 148 184.7 52.2 78.2#
 111 91.3 30.3 45.5#



#14
 1,2-Dichlorobenzene
 Concen: 0.08 ng
 RT: 7.77 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

Tgt Ion:146 Resp: 573
 Ion Ratio Lower Upper
 146 100
 148 184.7 50.4 75.6#
 111 91.3 38.2 57.4#





#15

Benzyl Alcohol

Concen: 1.89 ng

RT: 7.74 min Scan# 1029

Delta R.T. -0.06 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

Instrument :

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ClientSampled :

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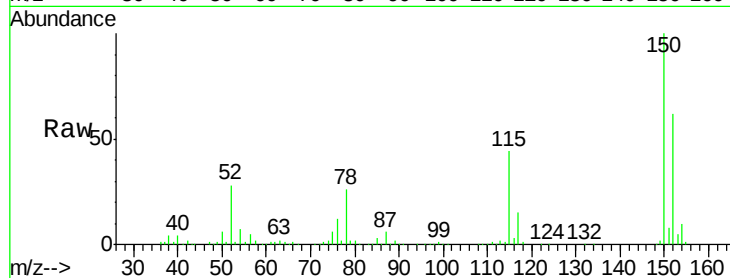
Tot Ion: 79 Resp: 9656

Ion Ratio Lower Upper

79 100

108 21.3 63.4 95.0#

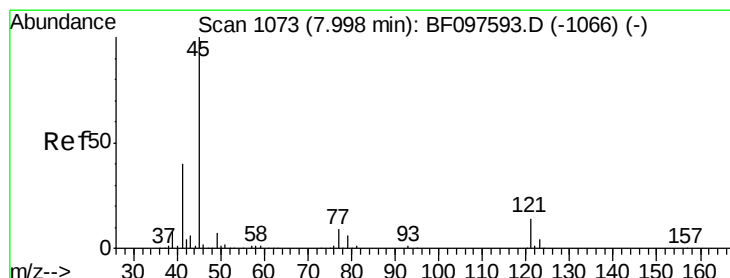
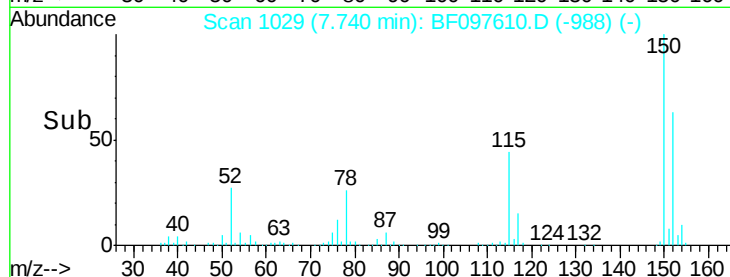
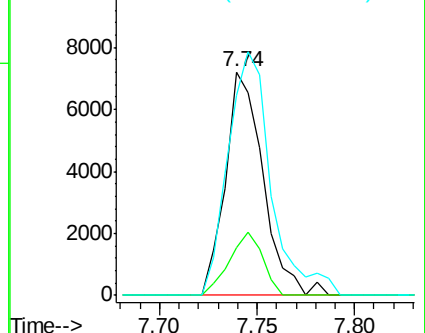
77 90.0 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.01 ng

RT: 7.79 min Scan# 1037

Delta R.T. -0.21 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

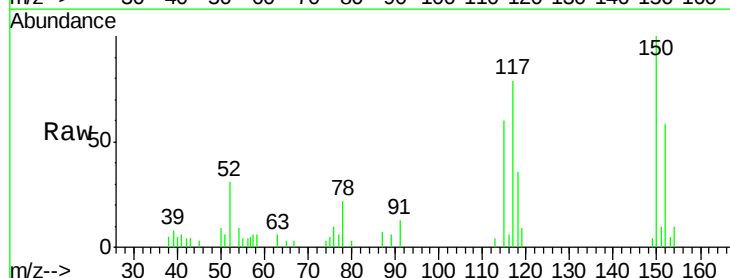
Tgt Ion: 45 Resp: 109

Ion Ratio Lower Upper

45 100

77 180.5 0.0 33.2#

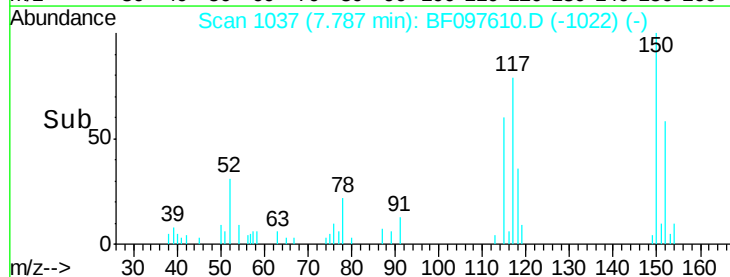
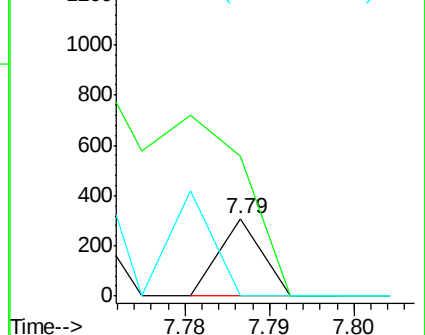
79 0.0 0.0 30.0

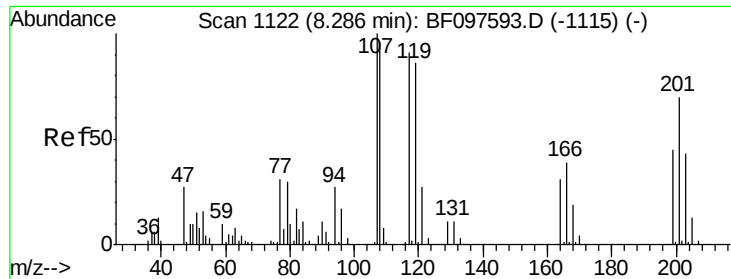


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

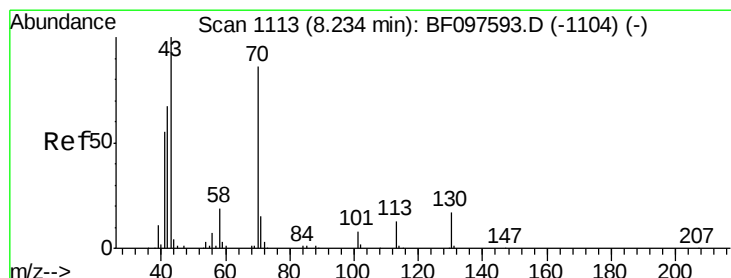
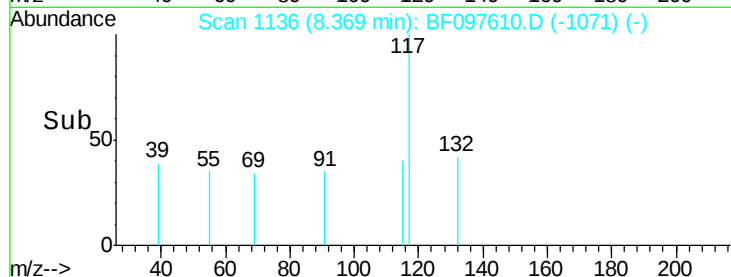
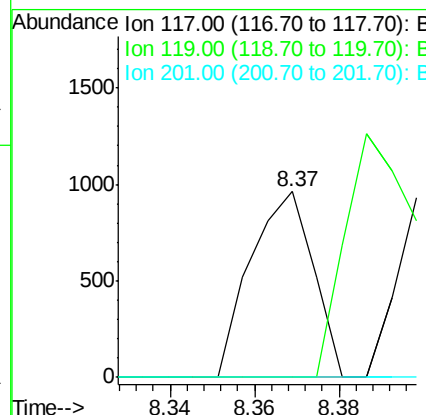
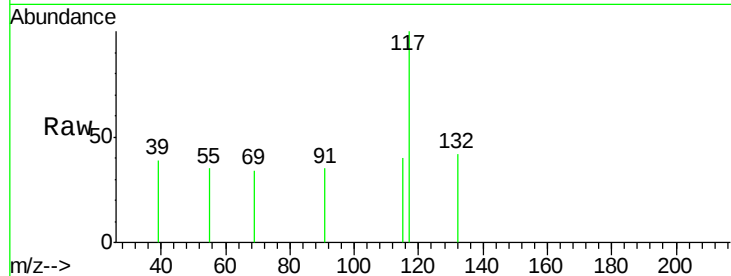




#18
 Hexachloroethane
 Concen: 0.37 ng
 RT: 8.37 min Scan# 1136
 Delta R.T. 0.08 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

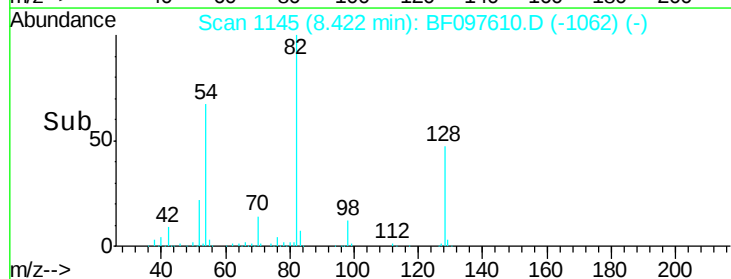
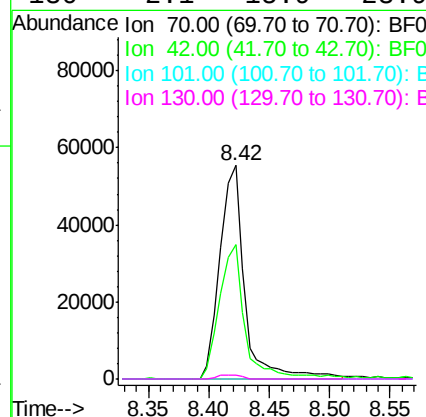
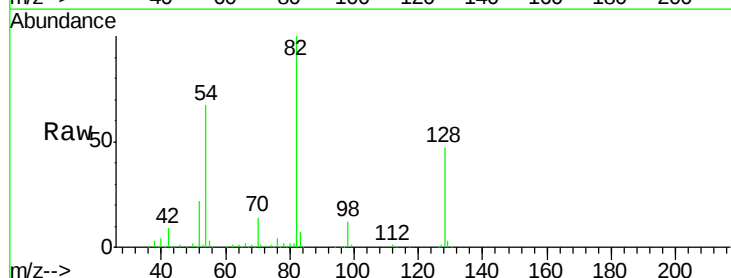
Instrument :
 BNA_F
 ClientSampleId :
 VE-2-1

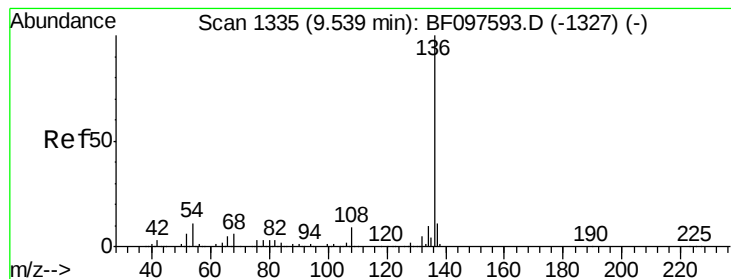
Tot Ion: 117 Resp: 994
 Ion Ratio Lower Upper
 117 100
 119 0.0 77.4 116.0#
 201 0.0 94.6 141.8#



#19
 n-Nitroso-di-n-propylamine
 Concen: 15.41 ng
 RT: 8.42 min Scan# 1145
 Delta R.T. 0.19 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

Tgt Ion: 70 Resp: 79417
 Ion Ratio Lower Upper
 70 100
 42 62.9 47.2 70.8
 101 0.0 7.2 10.8#
 130 2.1 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.53 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

Instrument :

BNA_F

ClientSampleId :

VE-2-1

Tot Ion:136 Resp: 413000

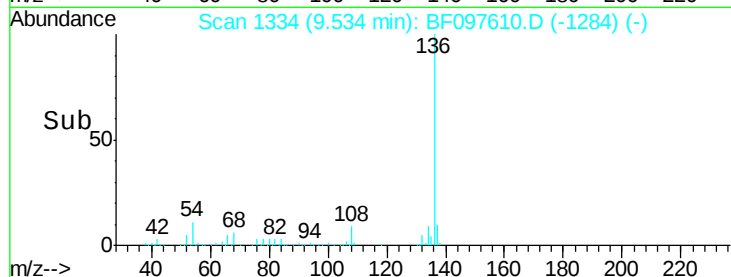
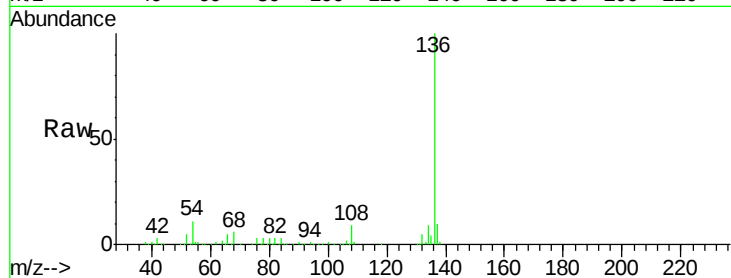
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 11.0 4.9 7.3#

68 5.8 4.1 6.1

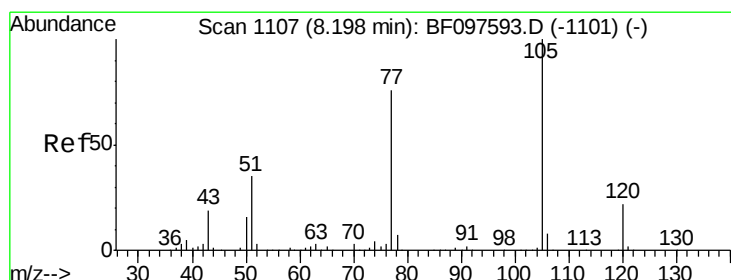
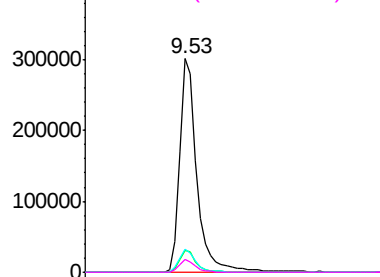


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 0.01 ng

RT: 8.17 min Scan# 1102

Delta R.T. -0.03 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

Tgt Ion:105 Resp: 109

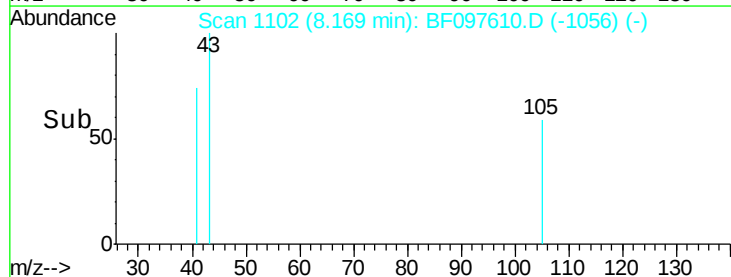
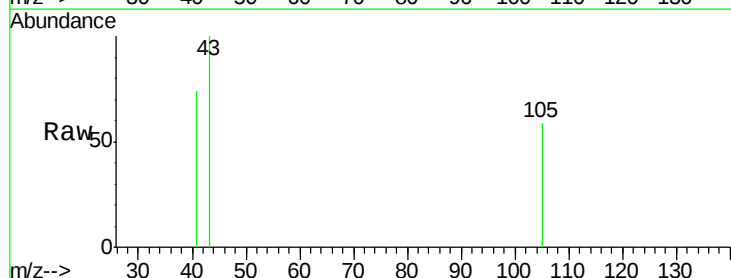
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 0.0 30.7 46.1#

120 0.0 17.4 26.0#

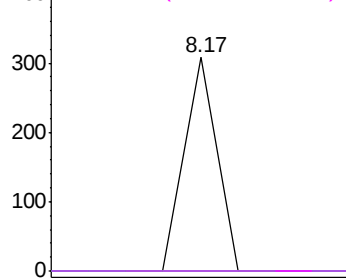


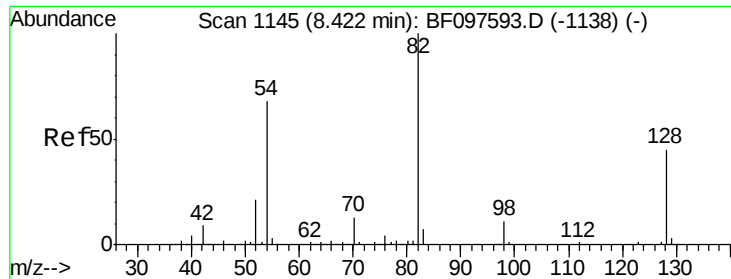
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

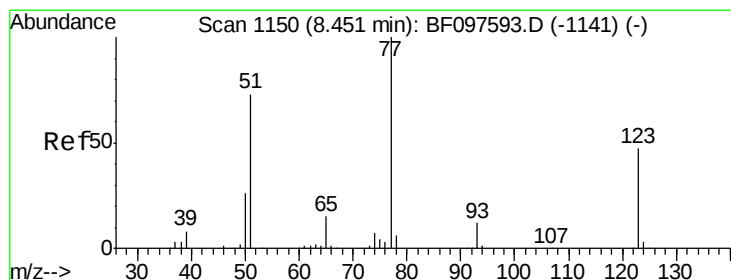
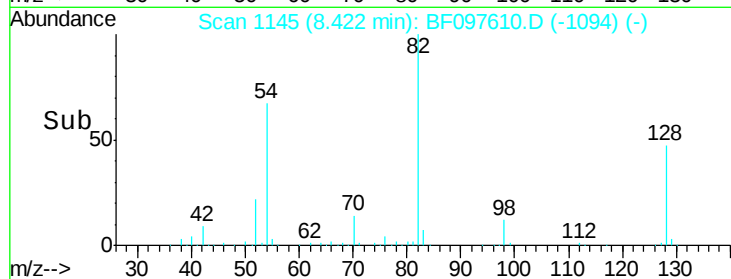
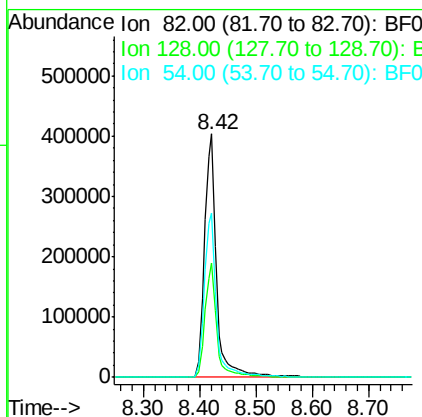
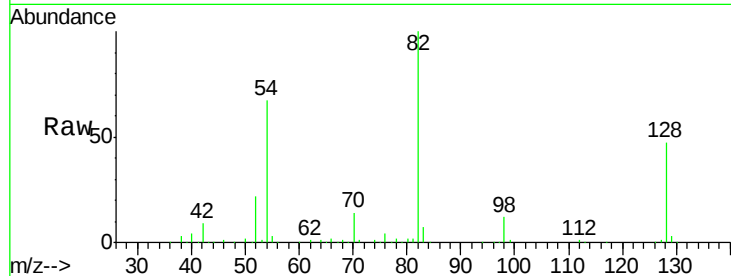




#23
 Nitrobenzene-d5
 Concen: 91.60 ng
 RT: 8.42 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

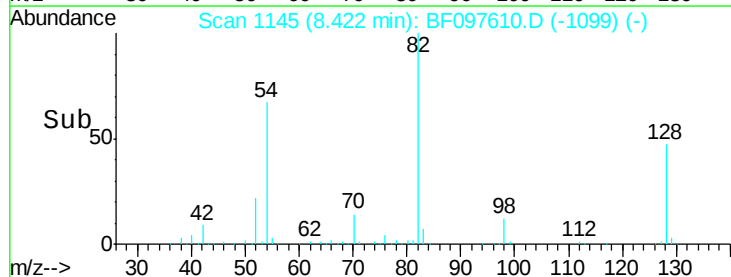
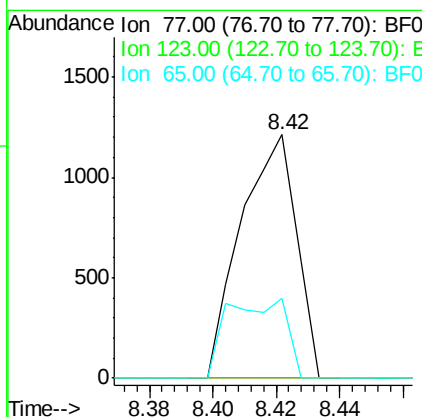
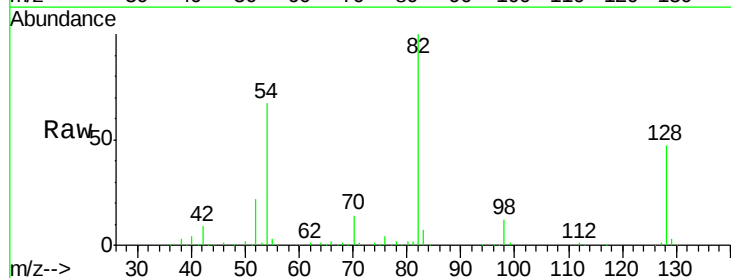
Instrument :
 BNA_F
 ClientSampled :
 VE-2-1

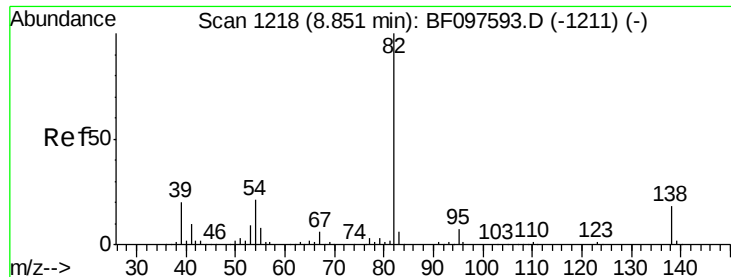
Tot Ion: 82 Resp: 603296
 Ion Ratio Lower Upper
 82 100
 128 47.1 34.0 51.0
 54 67.4 42.2 63.2#



#24
 Nitrobenzene
 Concen: 0.21 ng
 RT: 8.42 min Scan# 1145
 Delta R.T. -0.03 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

Tgt Ion: 77 Resp: 1472
 Ion Ratio Lower Upper
 77 100
 123 0.0 35.8 53.8#
 65 32.7 10.6 15.8#





#25

Isophorone

Concen: 0.03 ng

RT: 8.83 min Scan# 1214

Delta R.T. -0.02 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

Instrument :

BNA_F

ClientSampled :

VE-2-1

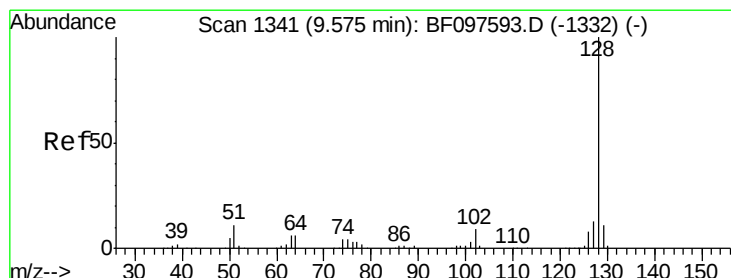
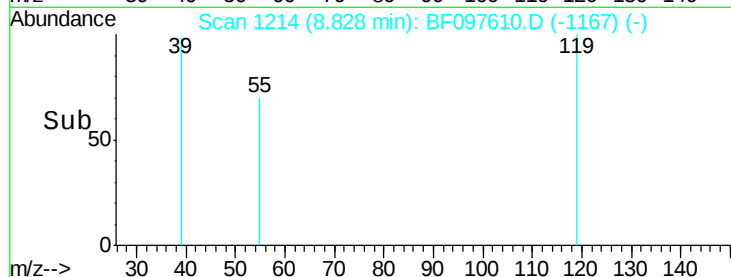
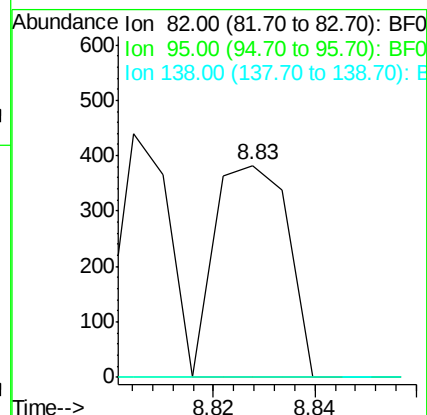
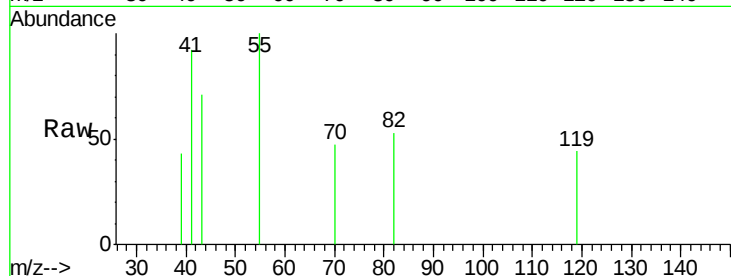
Tot Ion: 82 Resp: 383

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#31

Naphthalene

Concen: 0.09 ng

RT: 9.57 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

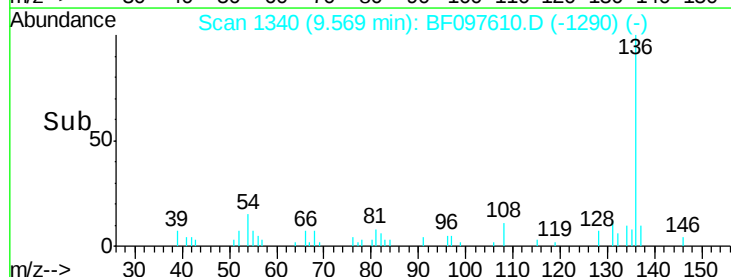
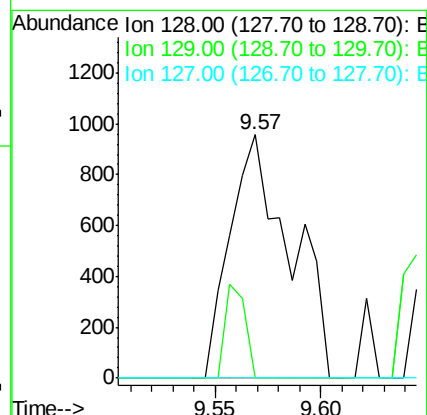
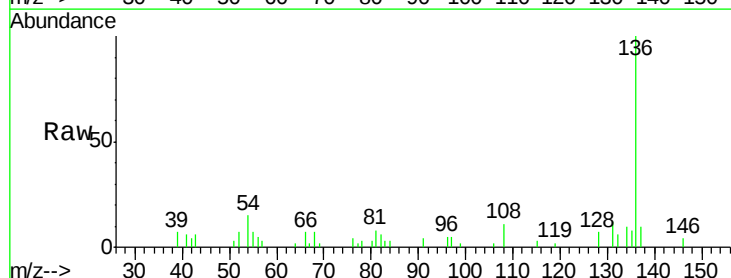
Tgt Ion: 128 Resp: 1893

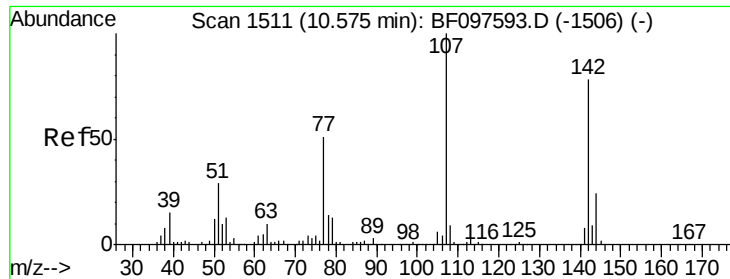
Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.6#

127 0.0 10.8 16.2#

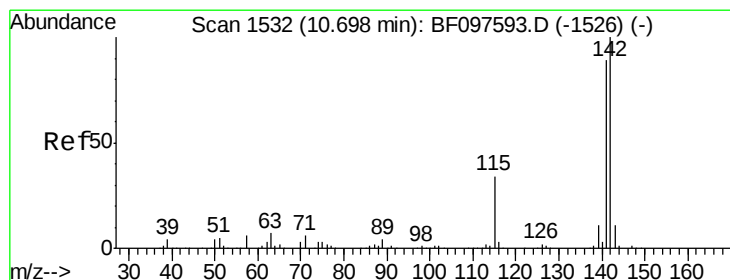
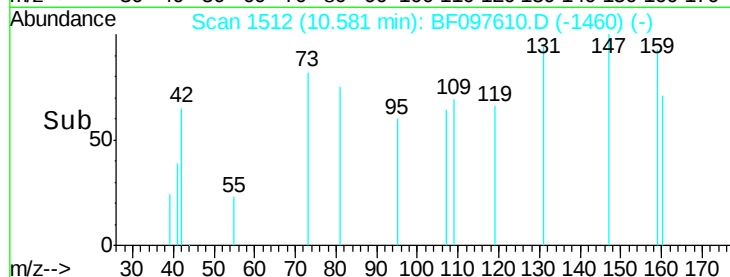
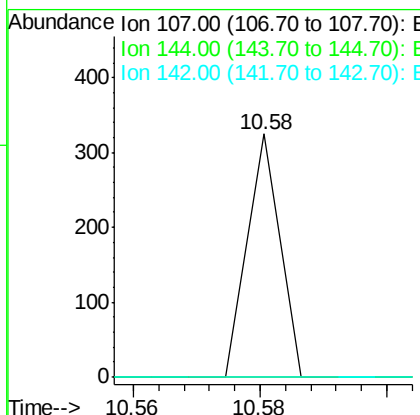
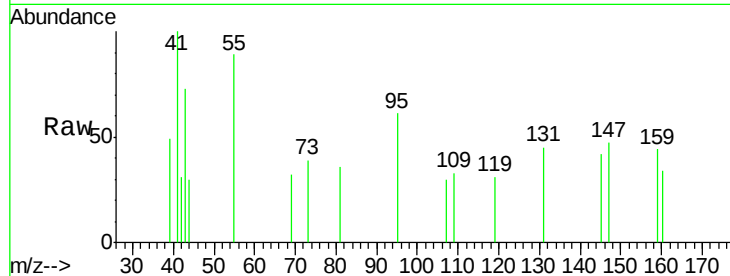




#36
 4-Chloro-3-methylphenol
 Concen: 0.02 ng
 RT: 10.58 min Scan# 1512
 Delta R.T. 0.01 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

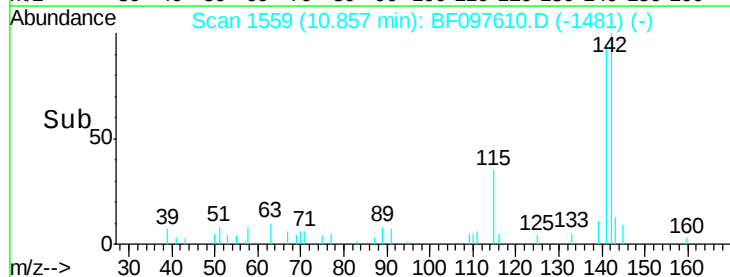
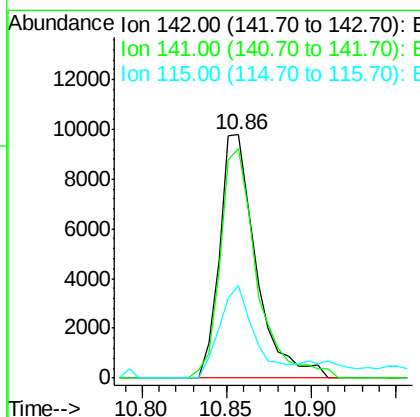
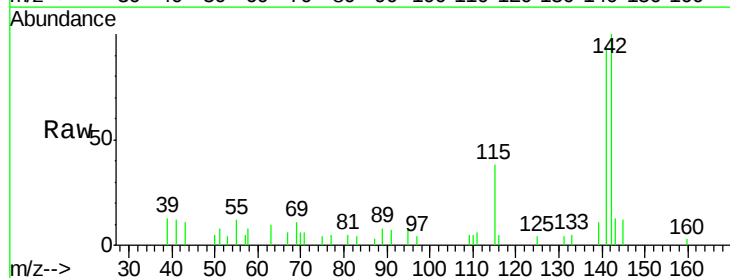
Instrument :
 BNA_F
 ClientSampleId :
 VE-2-1

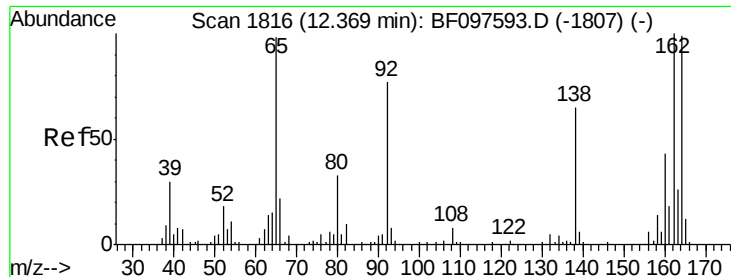
Tot Ion:107 Resp: 115
 Ion Ratio Lower Upper
 107 100
 144 0.0 24.2 36.4#
 142 0.0 73.4 110.0#



#37
 2-Methylnaphthalene
 Concen: 1.13 ng
 RT: 10.86 min Scan# 1559
 Delta R.T. 0.16 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

Tgt Ion:142 Resp: 14701
 Ion Ratio Lower Upper
 142 100
 141 94.4 71.3 106.9
 115 37.9 27.1 40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.36 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

Instrument :

BNA_F

ClientSampleId :

VE-2-1

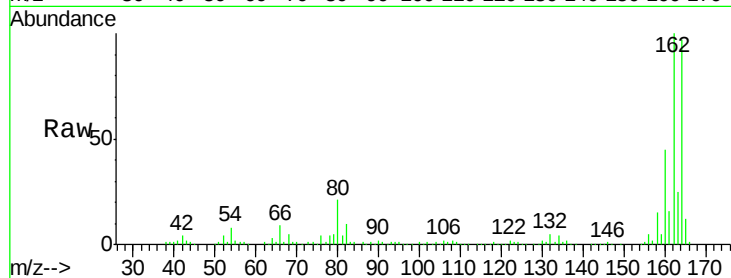
Tot Ion:164 Resp: 205430

Ion Ratio Lower Upper

164 100

162 102.7 82.6 123.8

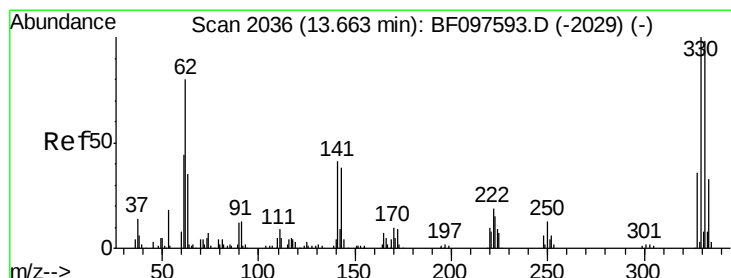
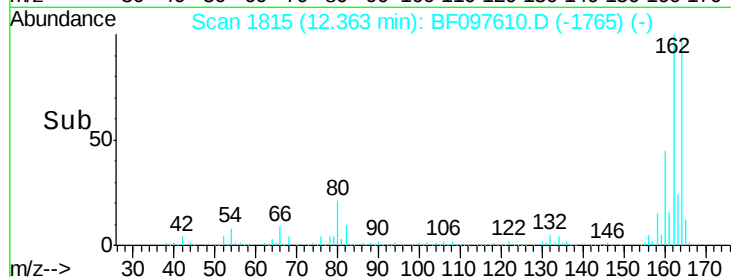
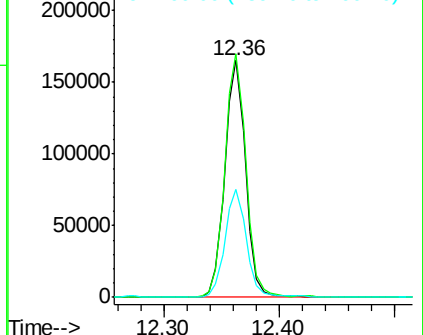
160 45.7 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 135.93 ng

RT: 13.67 min Scan# 2037

Delta R.T. 0.01 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

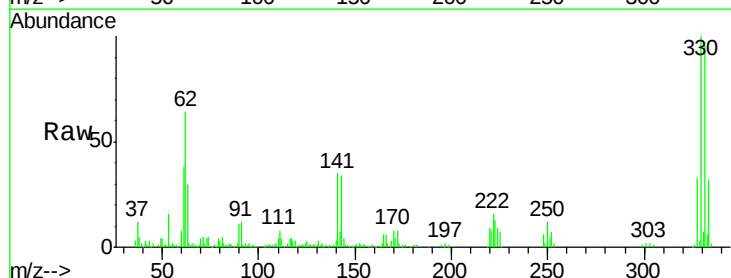
Tgt Ion:330 Resp: 212271

Ion Ratio Lower Upper

330 100

332 95.4 76.6 115.0

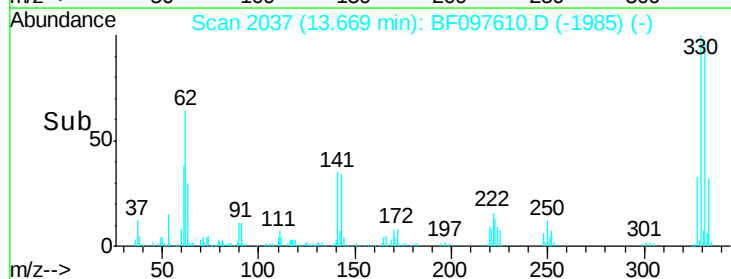
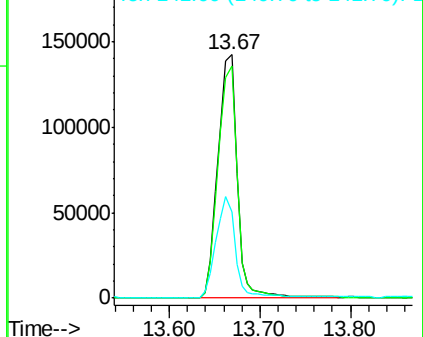
141 40.7 31.4 47.2

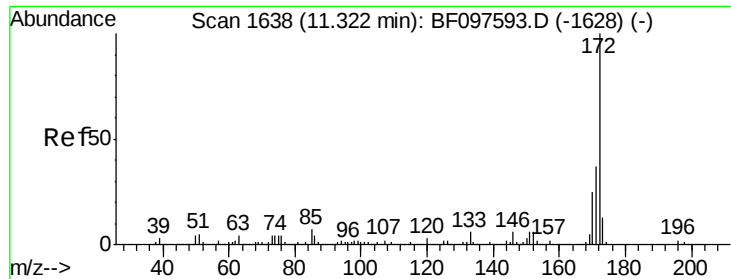


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

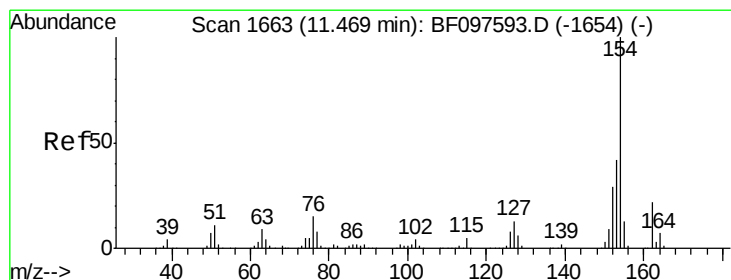
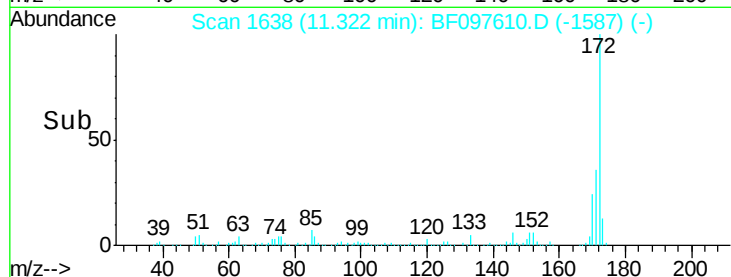
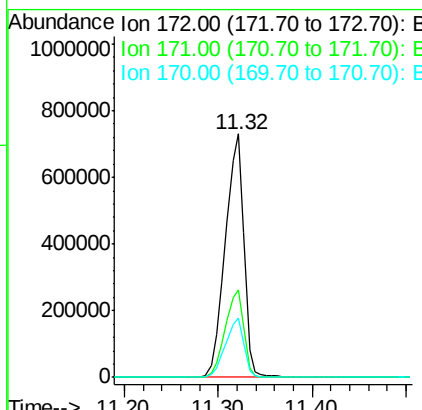
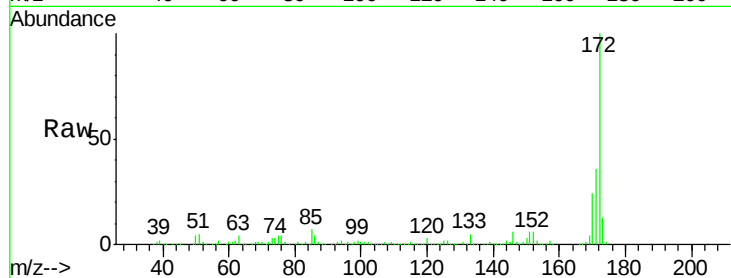




#44
2-Fluorobiphenyl
Concen: 74.52 ng
RT: 11.32 min Scan# 1638
Delta R.T. 0.00 min
Lab File: BF097610.D
Acq: 11 Aug 2017 23:30

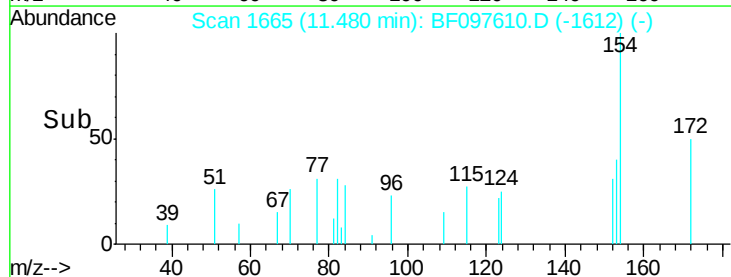
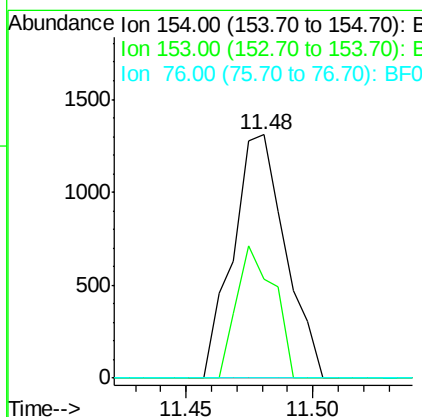
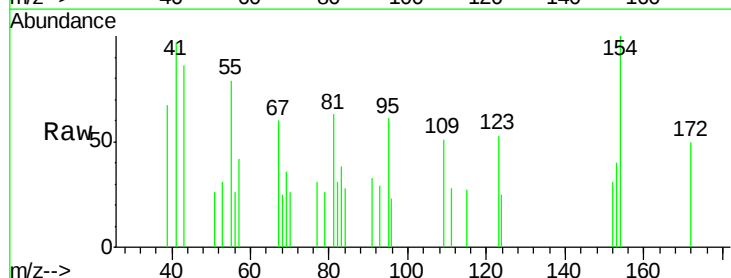
Instrument :
BNA_F
ClientSampled :
VE-2-1

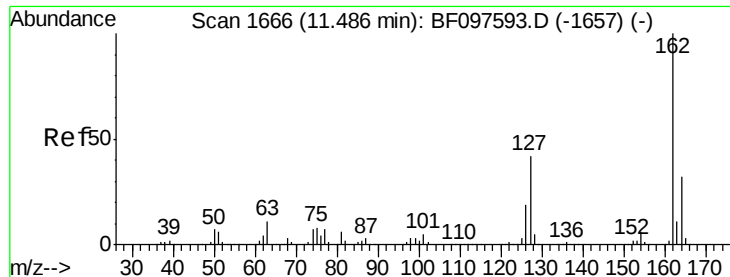
Tot Ion:172 Resp: 1014386
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 24.1 19.8 29.8



#45
1,1'-Biphenyl
Concen: 0.11 ng
RT: 11.48 min Scan# 1665
Delta R.T. 0.01 min
Lab File: BF097610.D
Acq: 11 Aug 2017 23:30

Tgt Ion:154 Resp: 1888
Ion Ratio Lower Upper
154 100
153 40.5 21.2 61.2
76 0.0 0.0 29.9

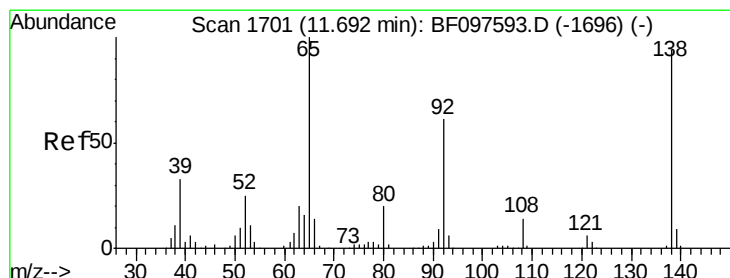
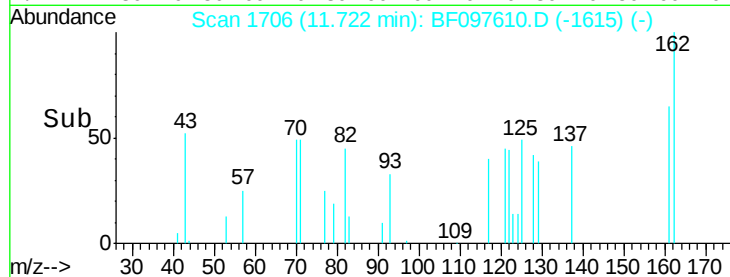
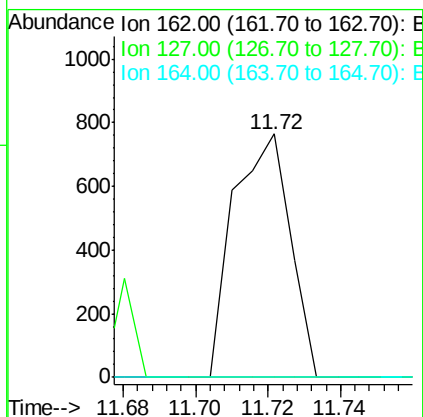
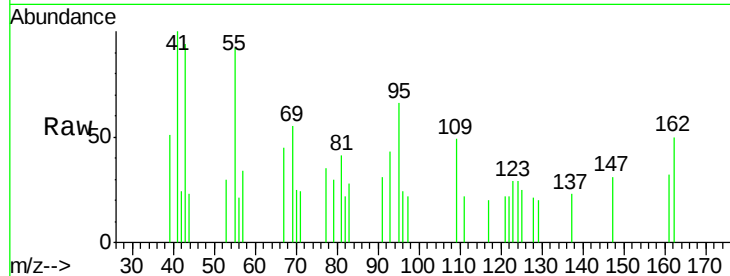




#46
 2-Chloronaphthalene
 Concen: 0.06 ng
 RT: 11.72 min Scan# 1706
 Delta R.T. 0.24 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

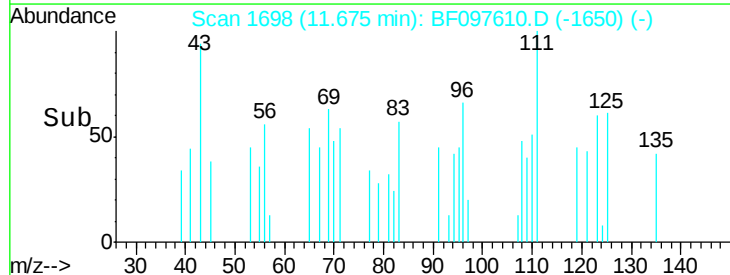
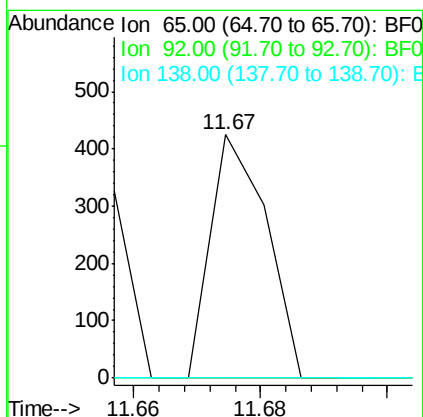
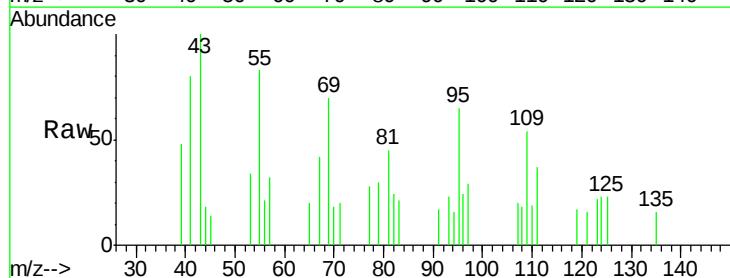
Instrument :
 BNA_F
 ClientSampleId :
 VE-2-1

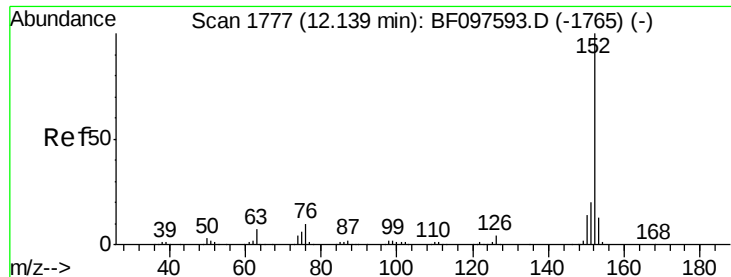
Tot Ion:162 Resp: 836
 Ion Ratio Lower Upper
 162 100
 127 0.0 28.3 42.5#
 164 0.0 27.0 40.4#



#47
 2-Nitroaniline
 Concen: 0.05 ng
 RT: 11.67 min Scan# 1698
 Delta R.T. -0.02 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

Tgt Ion: 65 Resp: 257
 Ion Ratio Lower Upper
 65 100
 92 0.0 53.9 80.9#
 138 0.0 78.8 118.2#





#48

Acenaphthylene

Concen: 0.07 ng

RT: 12.15 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

Instrument :

BNA_F

ClientSampled :

VE-2-1

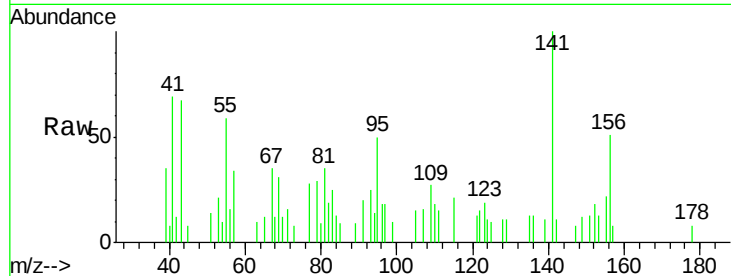
Tot Ion:152 Resp: 1529

Ion Ratio Lower Upper

152 100

151 69.3 16.8 25.2#

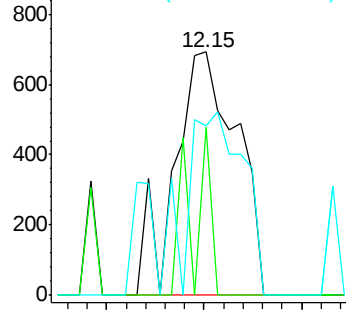
153 69.6 10.8 16.2#



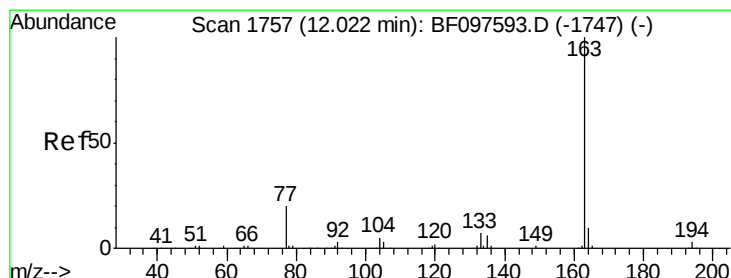
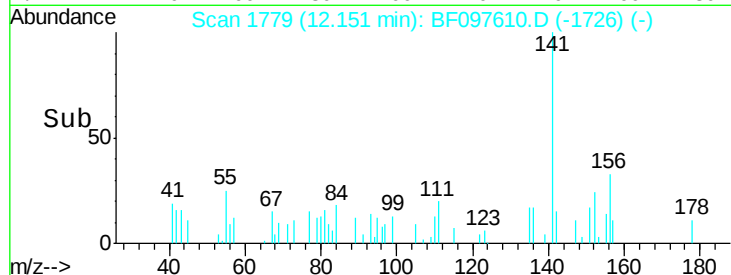
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#49

Dimethylphthalate

Concen: 2.46 ng

RT: 12.01 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

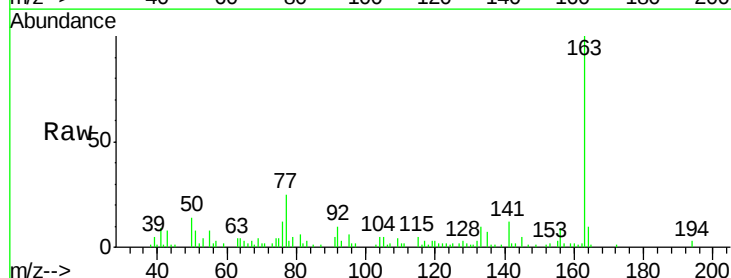
Tgt Ion:163 Resp: 38869

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

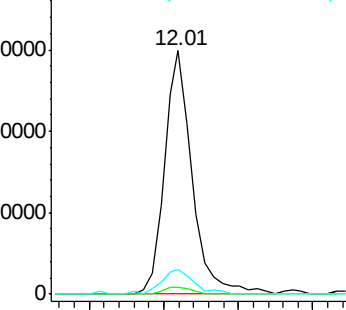
164 10.4 8.4 12.6



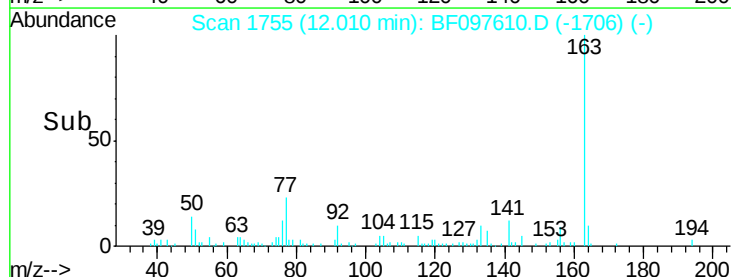
Abundance Ion 163.00 (162.70 to 163.70): E

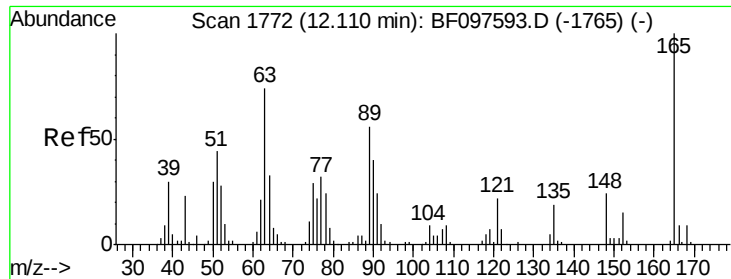
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time-->

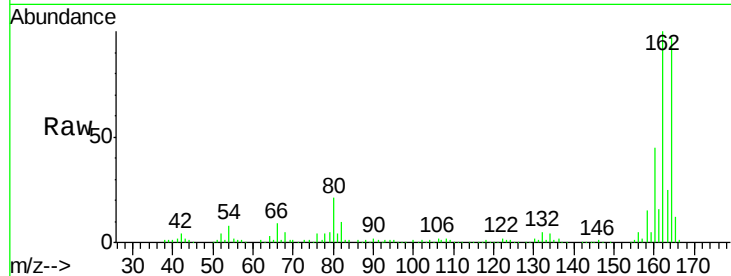




#50
 2,6-Dinitrotoluene
 Concen: 7.88 ng
 RT: 12.36 min Scan# 1815
 Delta R.T. 0.25 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

Instrument :
 BNA_F
 ClientSampleId :
 VE-2-1

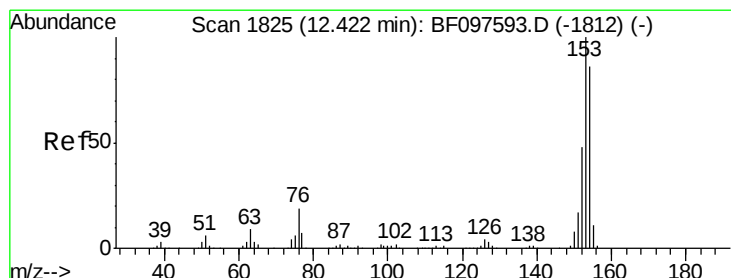
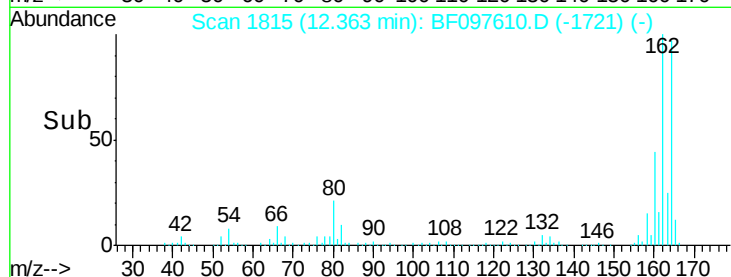
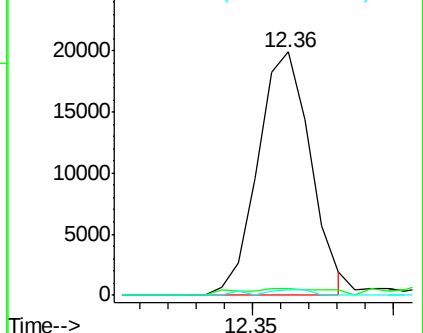
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.8	34.3	51.5#
89	2.3	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

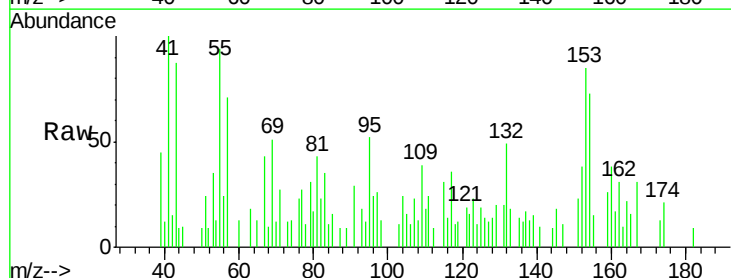
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51
 Acenaphthene
 Concen: 0.29 ng
 RT: 12.42 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

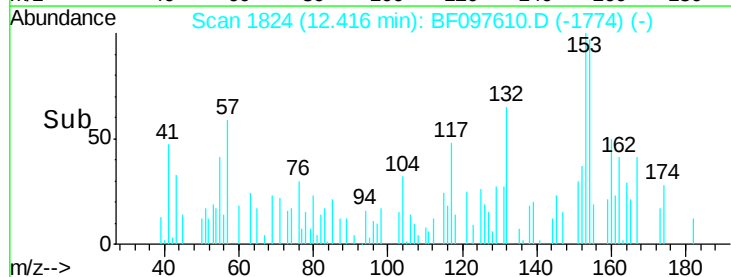
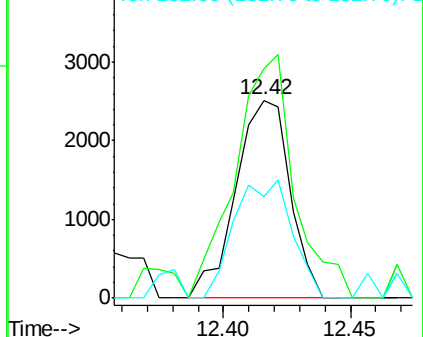
Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.8	90.5	135.7
152	51.4	43.6	65.4

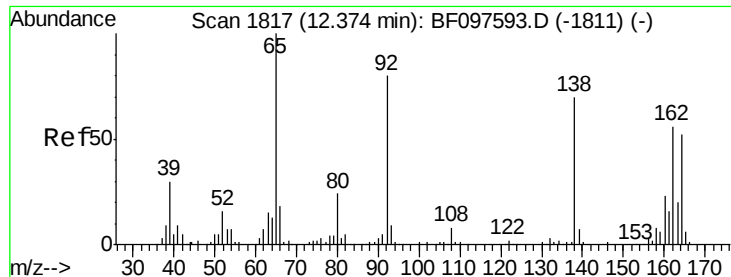


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 0.25 ng

RT: 12.35 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

Instrument :

BNA_F

ClientSampleId :

VE-2-1

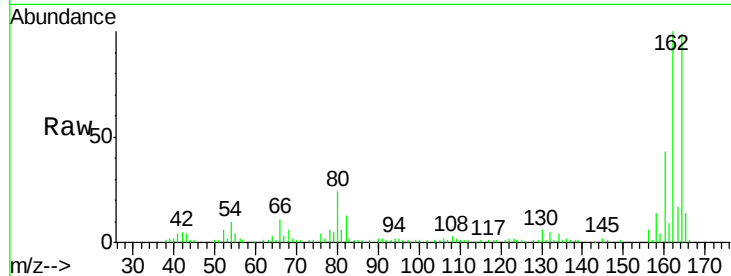
Tot Ion:138 Resp: 1082

Ion Ratio Lower Upper

138 100

108 351.0 9.1 13.7#

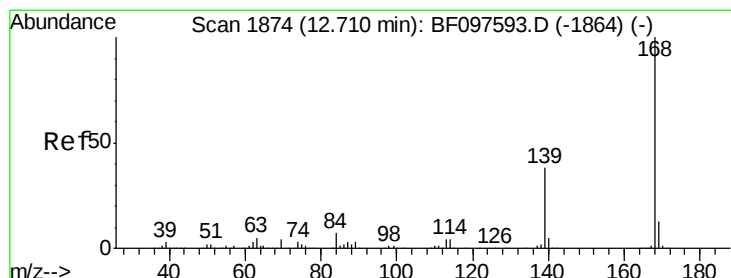
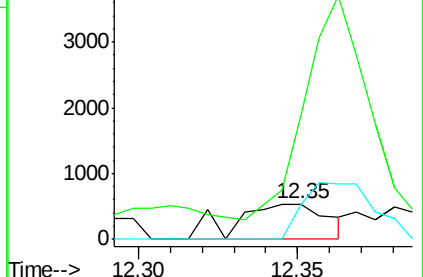
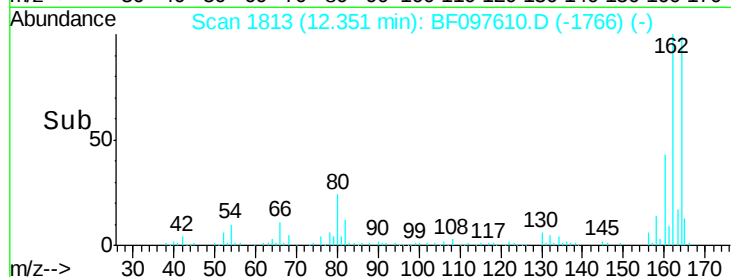
92 99.8 93.8 140.6



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): BF0



#54

Dibenzofuran

Concen: 0.19 ng

RT: 12.72 min Scan# 1875

Delta R.T. 0.01 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

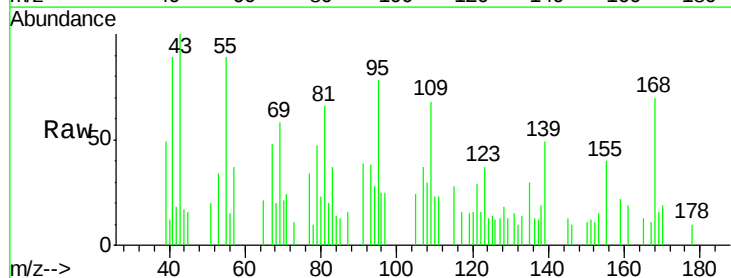
Tgt Ion:168 Resp: 3468

Ion Ratio Lower Upper

168 100

139 70.2 30.6 45.8#

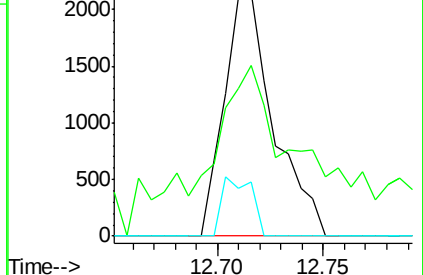
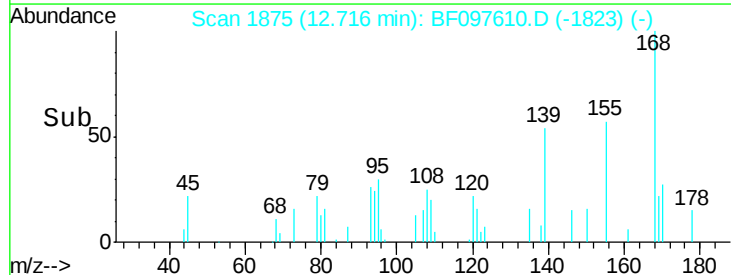
169 22.3 10.8 16.2#

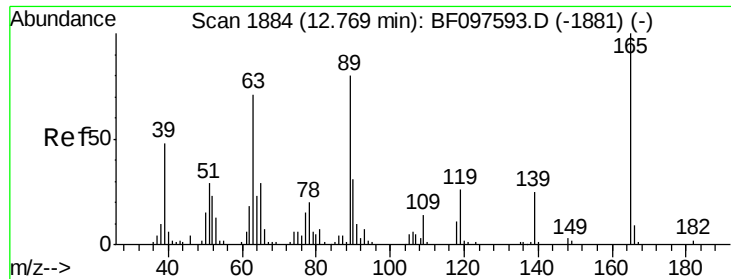


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

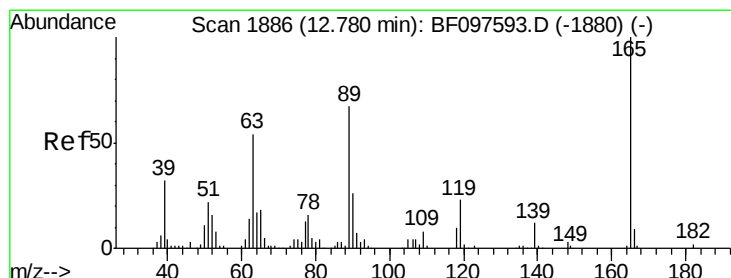
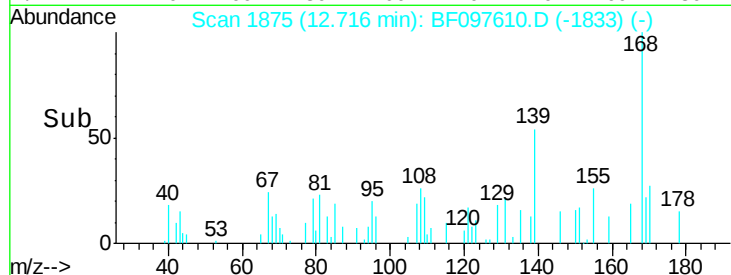
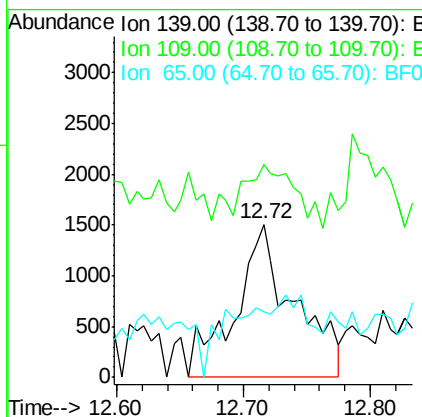
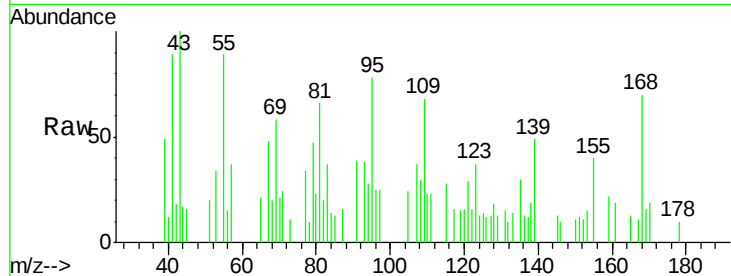




#55
4-Nitrophenol
Concen: 2.99 ng
RT: 12.72 min Scan# 1875
Delta R.T. -0.05 min
Lab File: BF097610.D
Acq: 11 Aug 2017 23:30

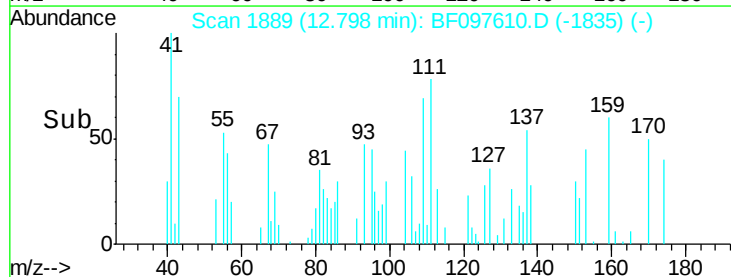
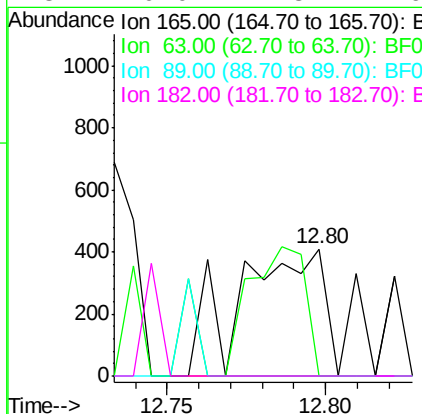
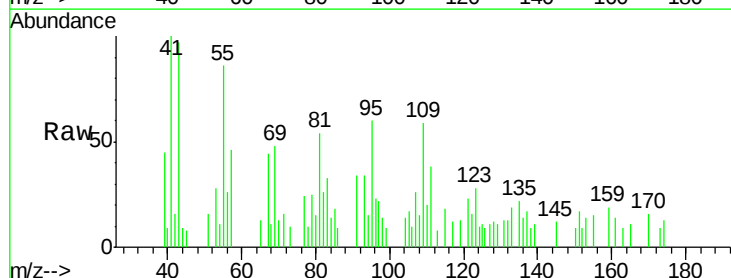
Instrument :
BNA_F
ClientSampled :
VE-2-1

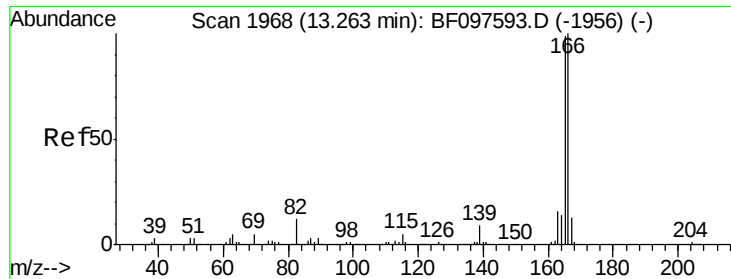
Tot Ion:139 Resp: 4875
Ion Ratio Lower Upper
139 100
109 139.2 34.1 74.1#
65 42.8 31.4 71.4



#56
2,4-Dinitrotoluene
Concen: 0.17 ng
RT: 12.80 min Scan# 1889
Delta R.T. 0.02 min
Lab File: BF097610.D
Acq: 11 Aug 2017 23:30

Tgt Ion:165 Resp: 762
Ion Ratio Lower Upper
165 100
63 0.0 25.4 38.0#
89 0.0 46.4 69.6#
182 0.0 1.8 2.6#

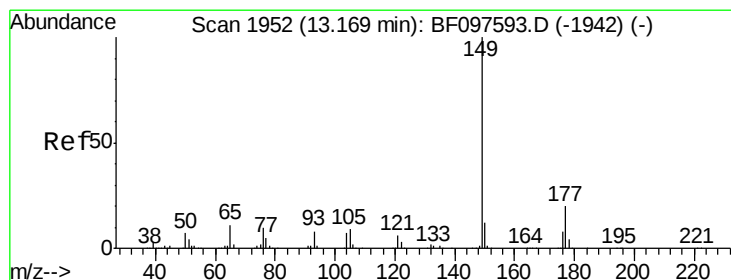
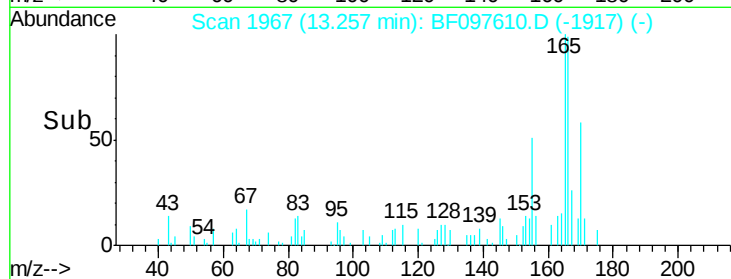
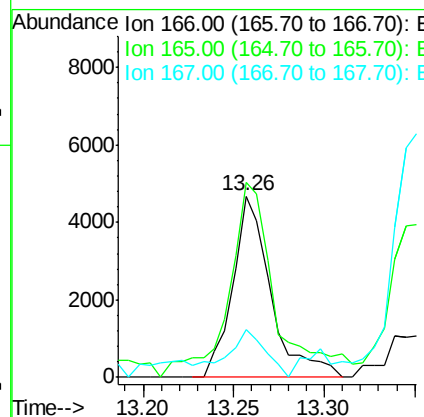
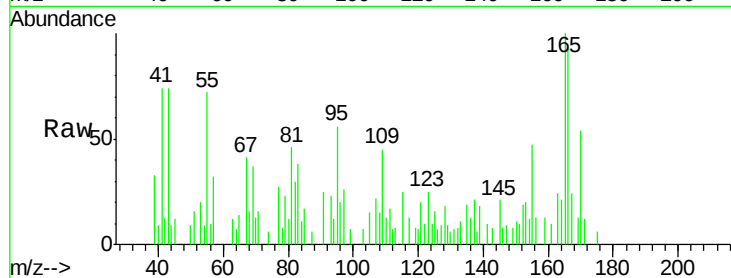




#57
 Fluorene
 Concen: 0.46 ng
 RT: 13.26 min Scan# 1967
 Delta R.T. -0.01 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

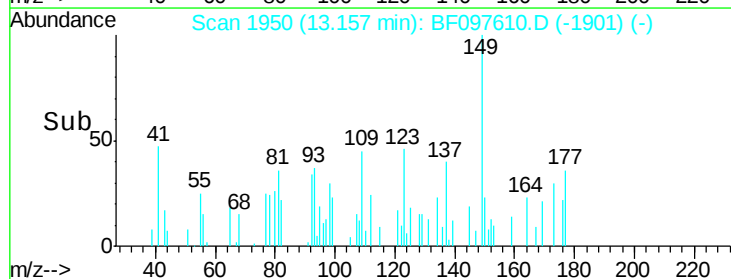
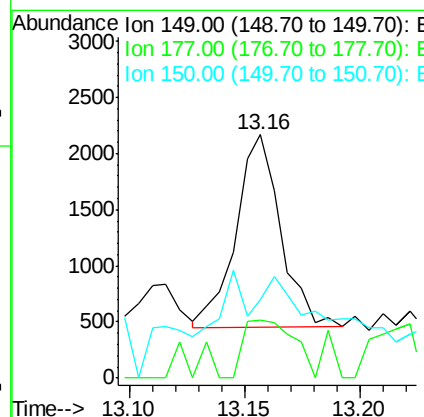
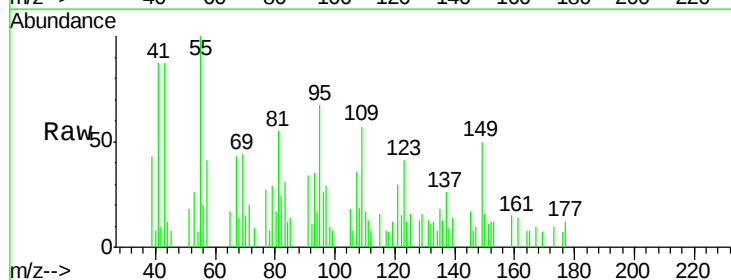
Instrument :
 BNA_F
 ClientSampleId :
 VE-2-1

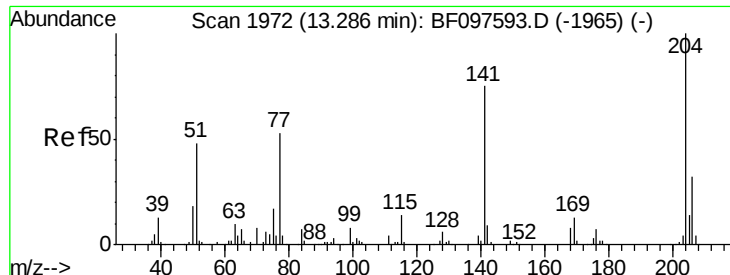
Tot Ion:166 Resp: 6867
 Ion Ratio Lower Upper
 166 100
 165 107.8 78.8 118.2
 167 26.0 10.6 16.0#



#59
 Diethylphthalate
 Concen: 0.15 ng
 RT: 13.16 min Scan# 1950
 Delta R.T. -0.01 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

Tgt Ion:149 Resp: 2314
 Ion Ratio Lower Upper
 149 100
 177 24.0 16.7 25.1
 150 32.1 10.2 15.2#

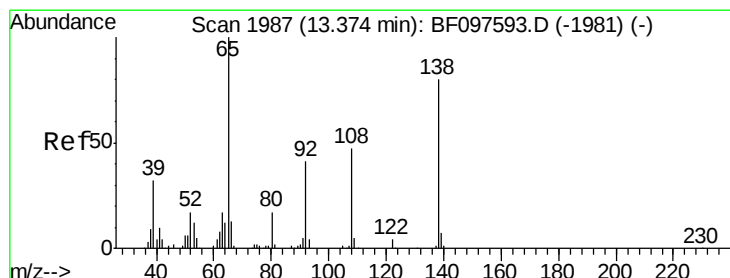
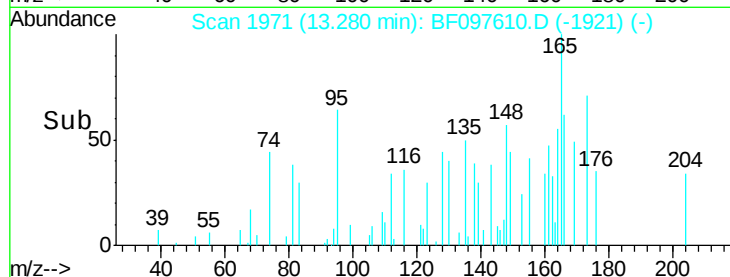
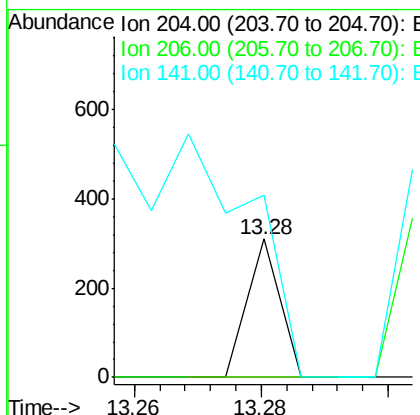
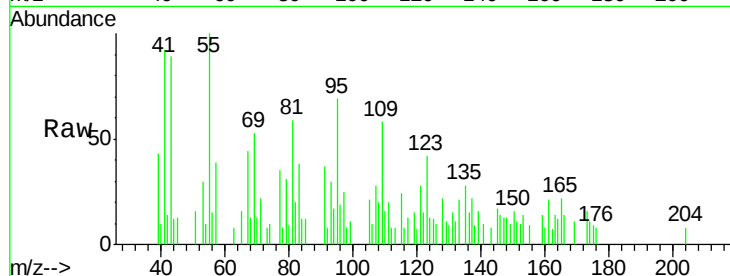




#60
4-Chlorophenyl-phenylether
Concen: 0.02 ng
RT: 13.28 min Scan# 1971
Delta R.T. -0.01 min
Lab File: BF097610.D
Acq: 11 Aug 2017 23:30

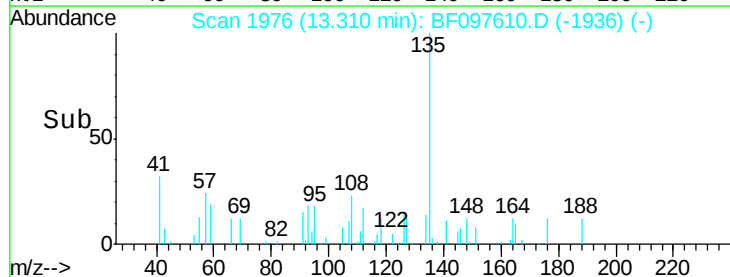
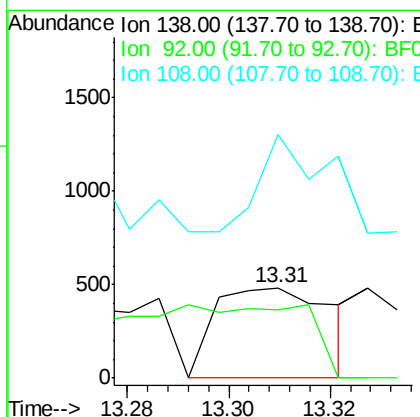
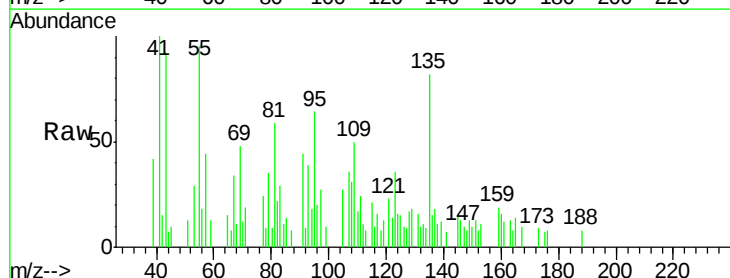
Instrument :
BNA_F
ClientSampled :
VE-2-1

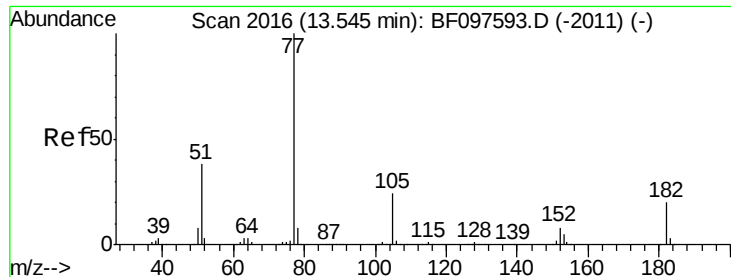
Tot Ion: 204 Resp: 109
Ion Ratio Lower Upper
204 100
206 0.0 26.2 39.2#
141 131.6 60.8 91.2#



#61
4-Nitroaniline
Concen: 0.19 ng
RT: 13.31 min Scan# 1976
Delta R.T. -0.06 min
Lab File: BF097610.D
Acq: 11 Aug 2017 23:30

Tgt Ion: 138 Resp: 770
Ion Ratio Lower Upper
138 100
92 75.2 21.8 61.8#
108 269.8 42.3 82.3#





#62

Azobenzene

Concen: 0.03 ng

RT: 13.55 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

Instrument :

BNA_F

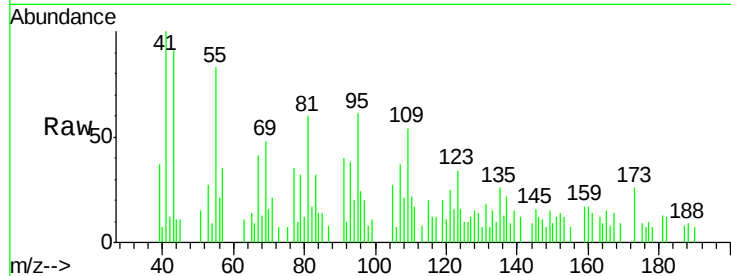
ClientSampleId :

VE-2-1

Tot Ion: 77 Resp: 508

Ion Ratio Lower Upper

77	100		
182	33.4	0.1	40.1
105	77.4	3.6	43.6
51	41.9	9.4	49.4

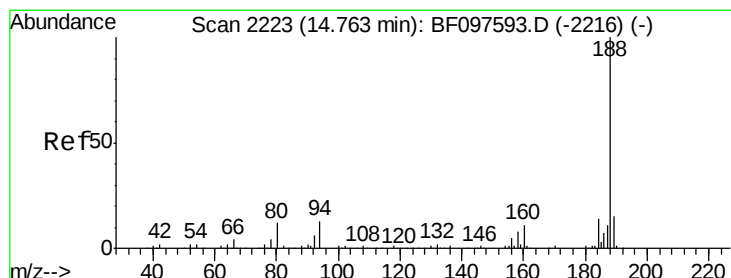
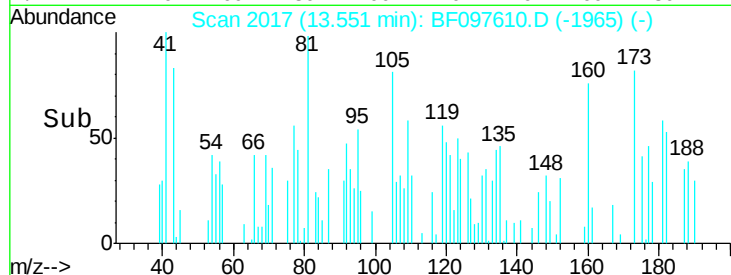
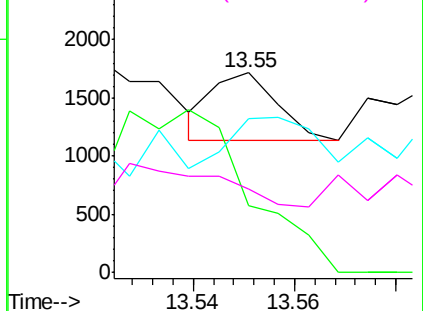


Abundance Ion 77.00 (76.70 to 77.70): BF0

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): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.76 min Scan# 2223

Delta R.T. 0.00 min

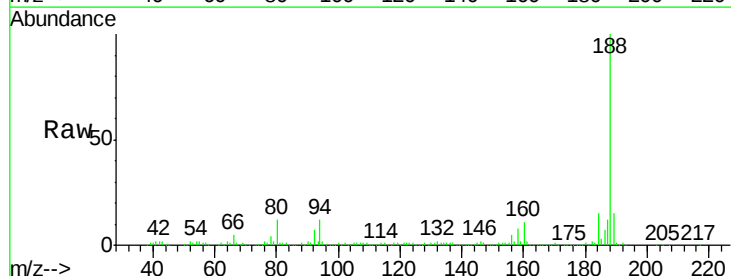
Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

Tgt Ion: 188 Resp: 324291

Ion Ratio Lower Upper

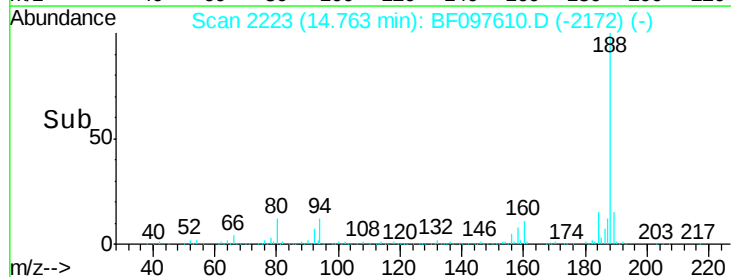
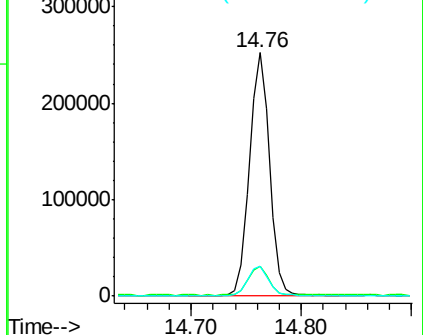
188	100		
94	12.2	9.4	14.2
80	12.2	10.2	15.2

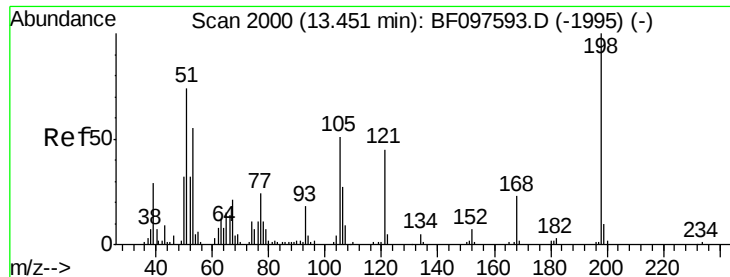


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 0.06 ng

RT: 13.43 min Scan# 1997

Delta R.T. -0.02 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

Instrument :

BNA_F

ClientSampleId :

VE-2-1

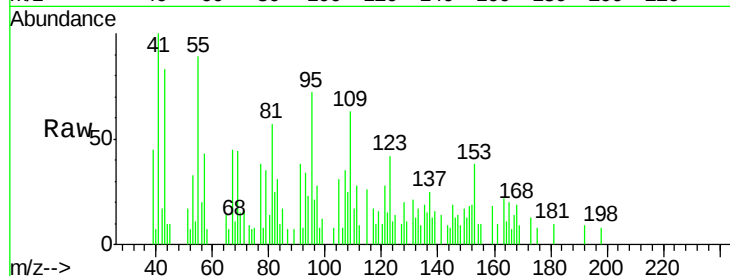
Tot Ion:198 Resp: 126

Ion Ratio Lower Upper

198 100

51 218.8 53.2 93.2#

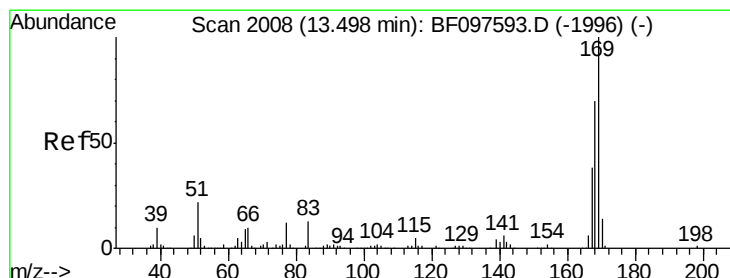
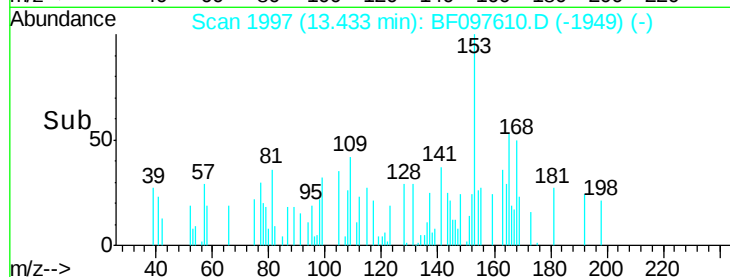
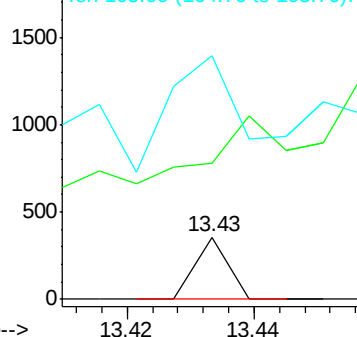
105 390.5 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 0.21 ng

RT: 13.47 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

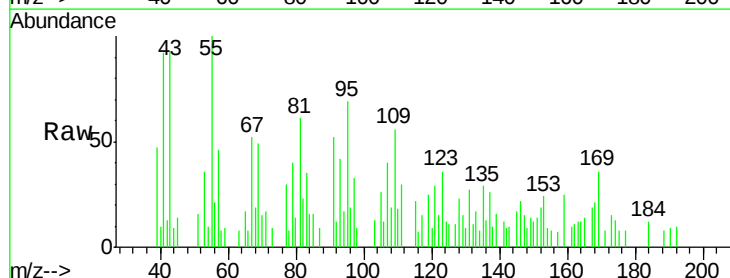
Tgt Ion:169 Resp: 2568

Ion Ratio Lower Upper

169 100

168 56.5 53.2 79.8

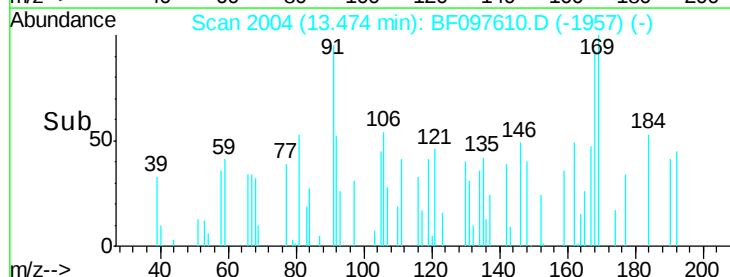
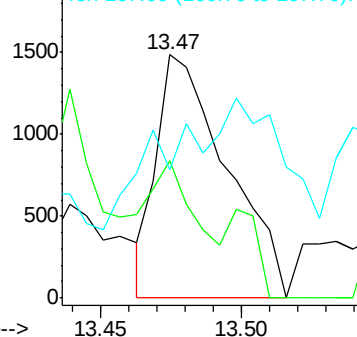
167 52.7 29.5 44.3#

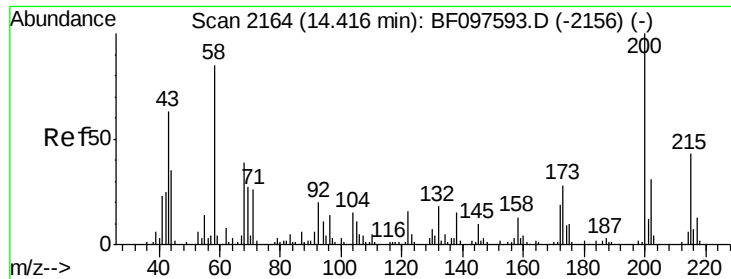


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

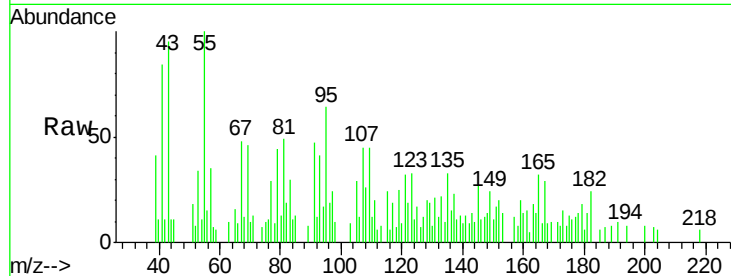




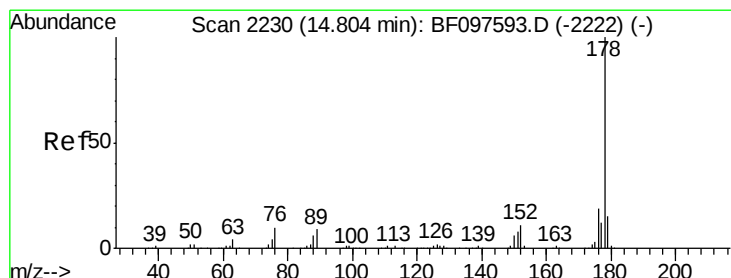
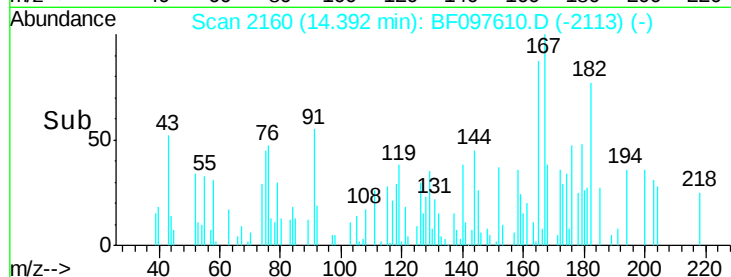
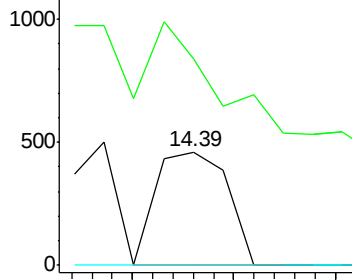
#68
 Atrazine
 Concen: 0.15 ng
 RT: 14.39 min Scan# 2160
 Delta R.T. -0.02 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

Instrument :
 BNA_F
 ClientSampleId :
 VE-2-1

Tot Ion:200 Resp: 451
 Ion Ratio Lower Upper
 200 100
 173 182.0 6.3 46.3#
 215 0.0 27.2 67.2#

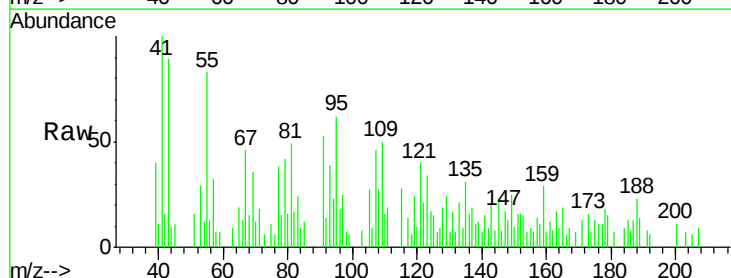


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

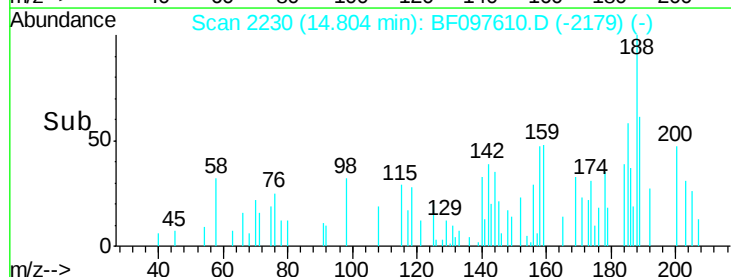
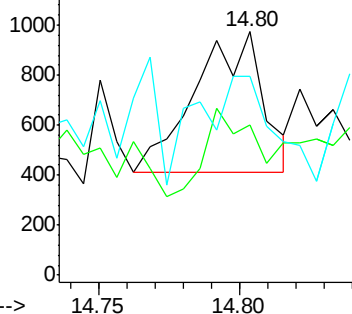


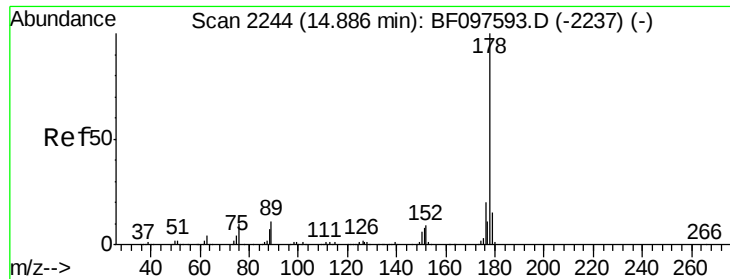
#70
 Phenanthrene
 Concen: 0.05 ng
 RT: 14.80 min Scan# 2230
 Delta R.T. 0.00 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

Tgt Ion:178 Resp: 929
 Ion Ratio Lower Upper
 178 100
 176 61.9 16.2 24.4#
 179 81.8 12.6 19.0#



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

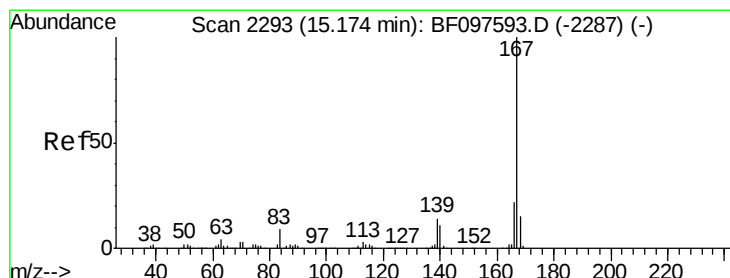
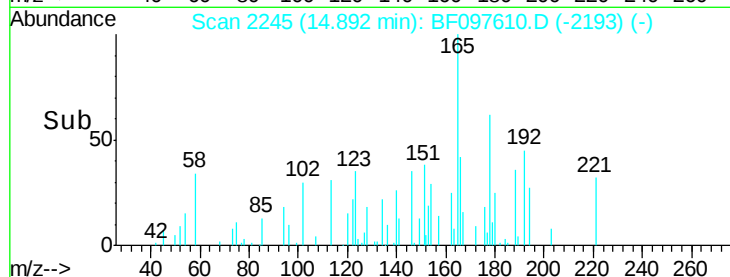
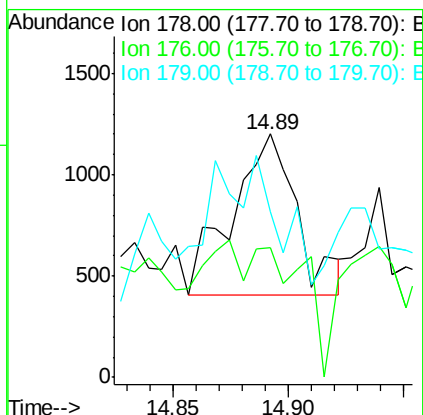
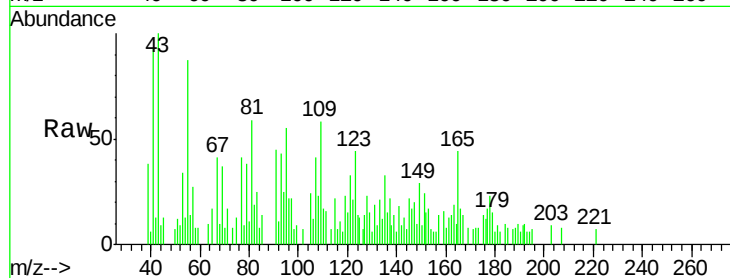




#71
 Anthracene
 Concen: 0.08 ng
 RT: 14.89 min Scan# 2245
 Delta R.T. 0.01 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

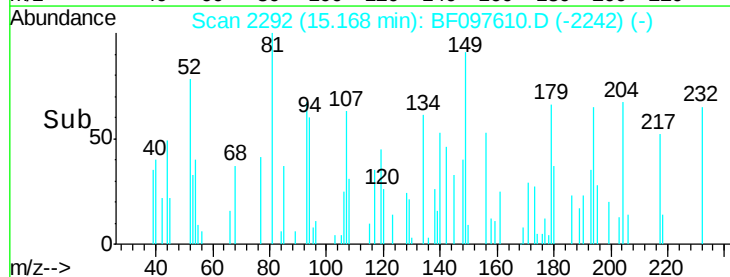
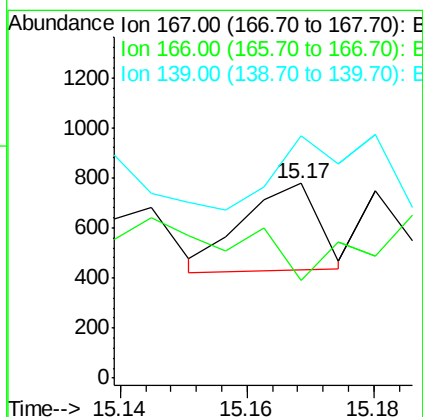
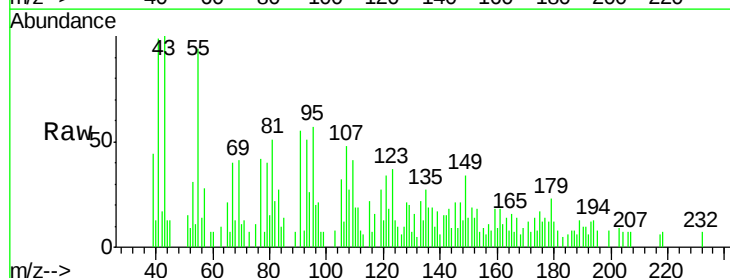
Instrument :
 BNA_F
 ClientSampled :
 VE-2-1

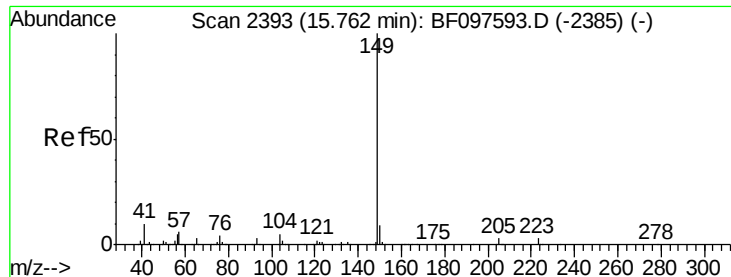
Tot Ion:178 Resp: 1567
 Ion Ratio Lower Upper
 178 100
 176 53.2 15.8 23.8#
 179 68.0 12.7 19.1#



#72
 Carbazole
 Concen: 0.02 ng
 RT: 15.17 min Scan# 2292
 Delta R.T. -0.01 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

Tgt Ion:167 Resp: 287
 Ion Ratio Lower Upper
 167 100
 166 49.9 18.1 27.1#
 139 124.3 11.7 17.5#





#73

Di-n-butylphthalate

Concen: 0.22 ng

RT: 15.76 min Scan# 2393

Delta R.T. 0.00 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

Instrument :

BNA_F

ClientSampleId :

VE-2-1

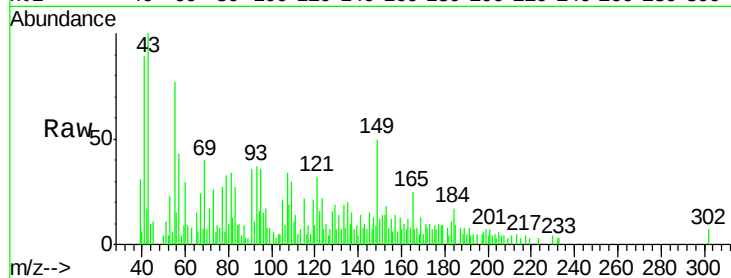
Tot Ion:149 Resp: 4729

Ion Ratio Lower Upper

149 100

150 23.9 7.7 11.5#

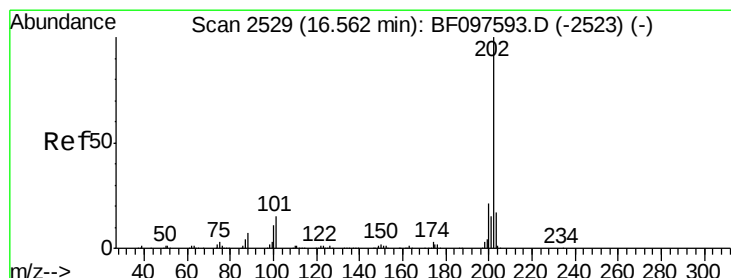
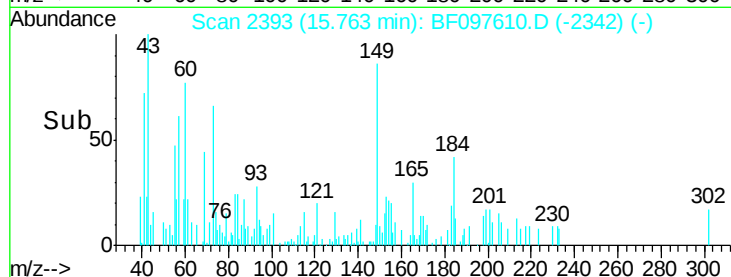
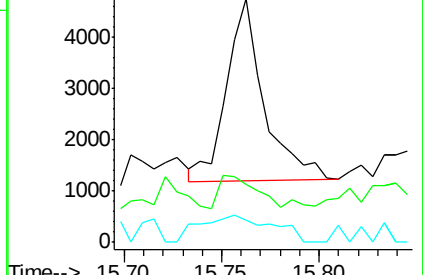
104 9.1 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 0.07 ng

RT: 16.56 min Scan# 2529

Delta R.T. 0.00 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

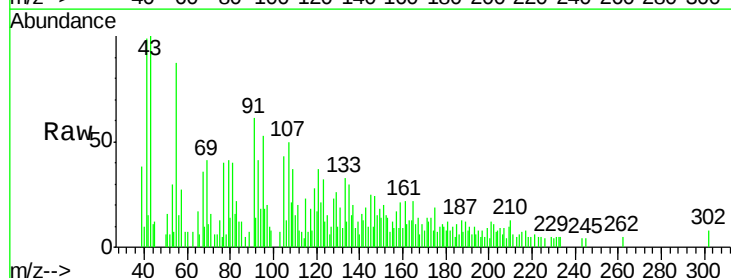
Tgt Ion:202 Resp: 1189

Ion Ratio Lower Upper

202 100

101 0.0 0.0 33.2

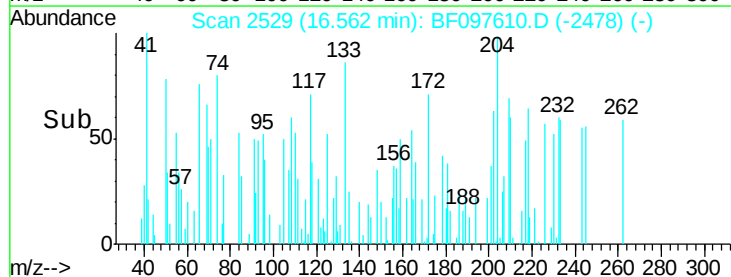
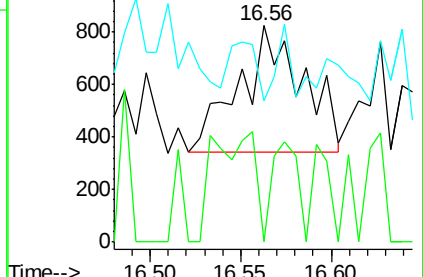
203 65.3 0.0 38.1#

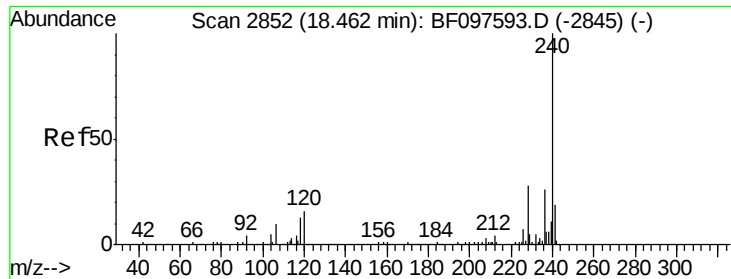


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.46 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

Instrument :

BNA_F

ClientSampleId :

VE-2-1

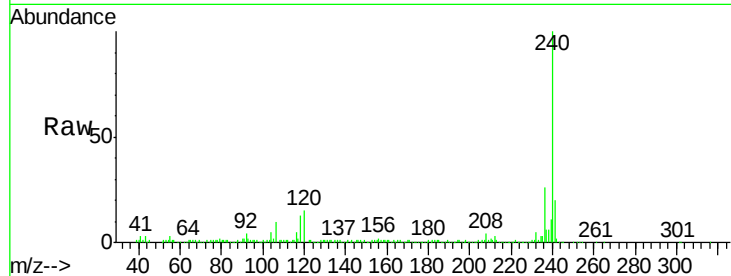
Tot Ion:240 Resp: 218133

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

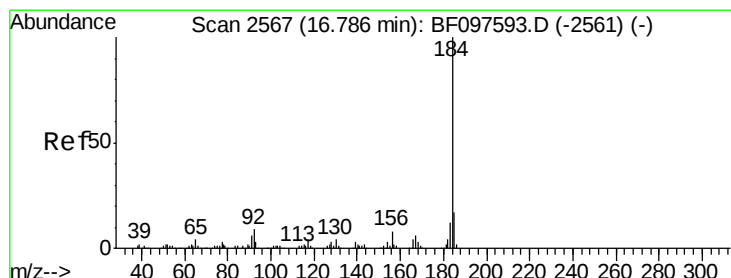
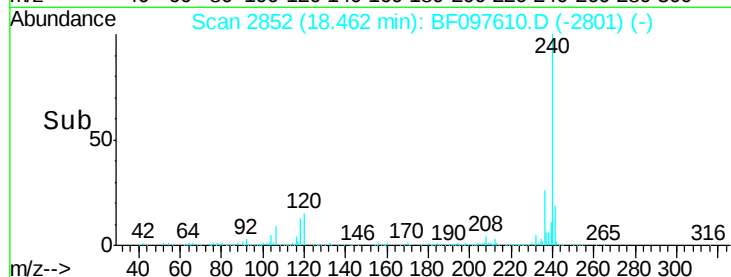
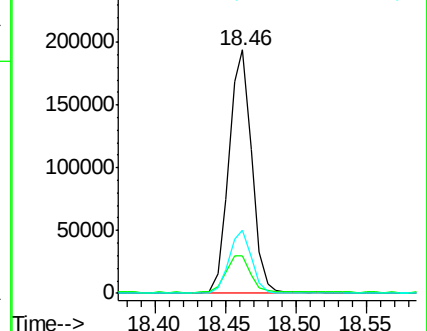
236 26.1 20.5 30.7



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



#76

Benzidine

Concen: 0.13 ng

RT: 16.77 min Scan# 2564

Delta R.T. -0.02 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

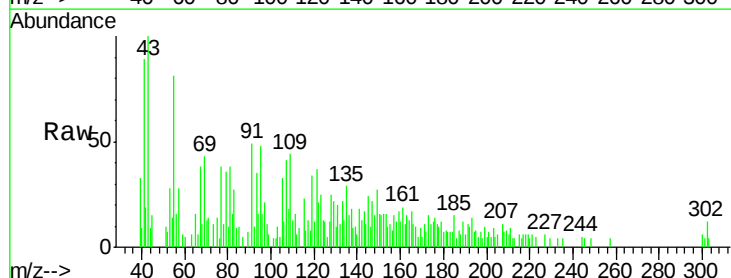
Tgt Ion:184 Resp: 943

Ion Ratio Lower Upper

184 100

185 213.5 15.5 23.3#

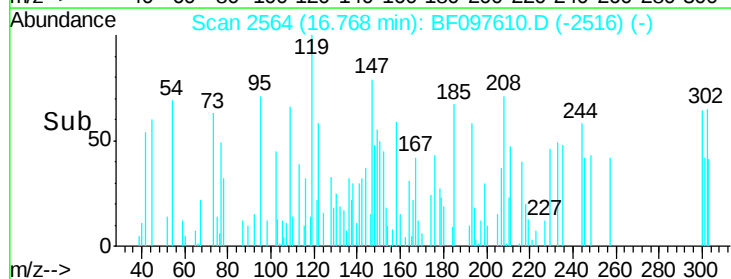
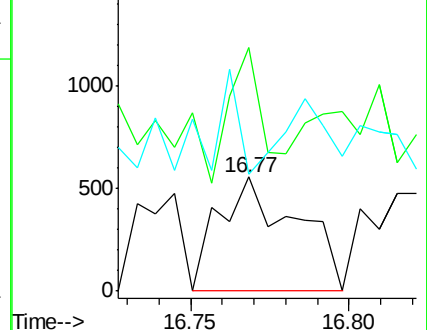
183 102.5 9.8 14.6#

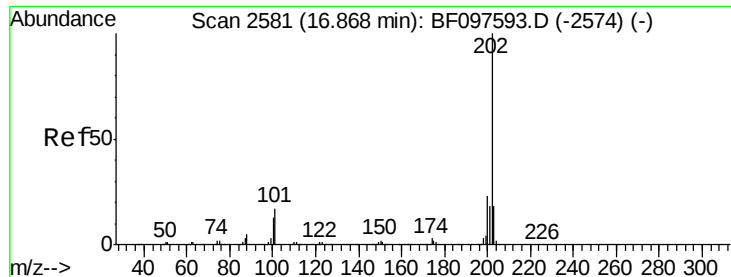


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 0.05 ng

RT: 16.87 min Scan# 2581

Delta R.T. 0.00 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

Instrument :

BNA_F

ClientSampled :

VE-2-1

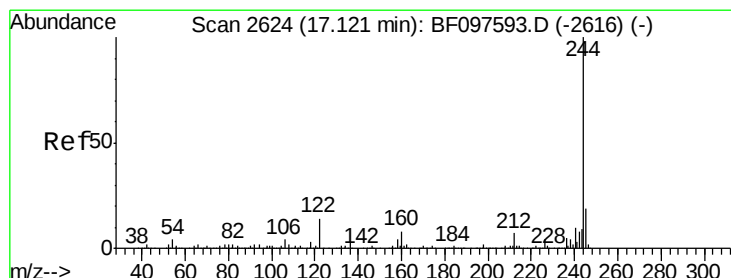
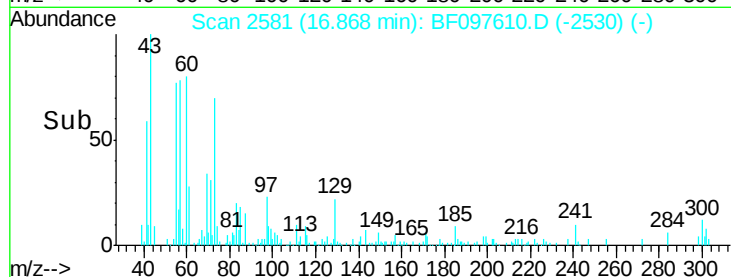
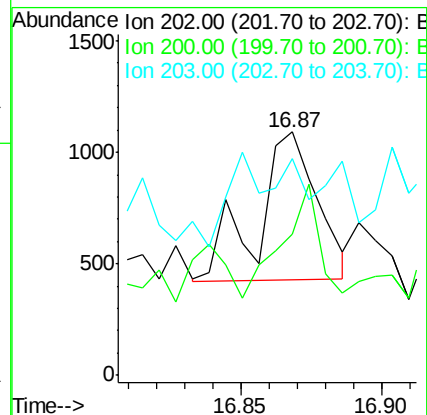
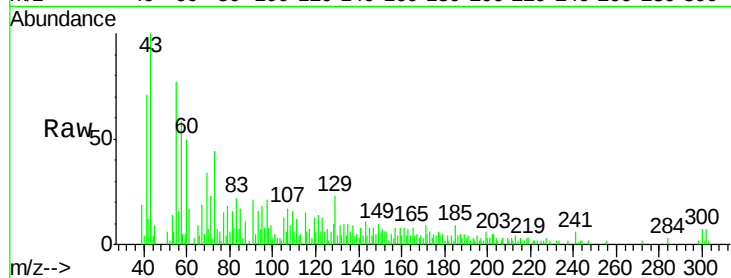
Tot Ion:202 Resp: 968

Ion Ratio Lower Upper

202 100

200 58.0 17.6 26.4#

203 88.9 14.4 21.6#



#78

Terphenyl-d14

Concen: 70.39 ng

RT: 17.13 min Scan# 2625

Delta R.T. 0.01 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

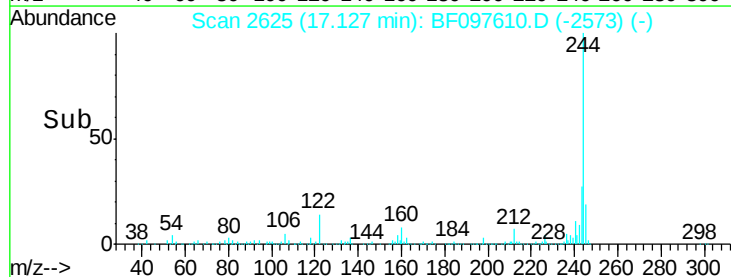
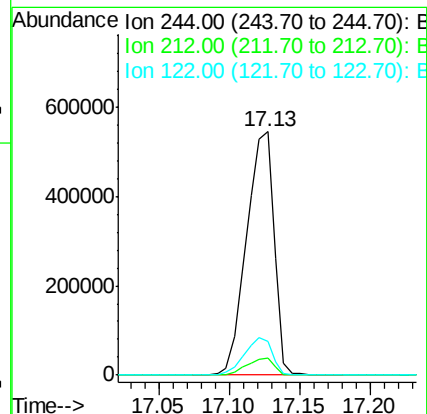
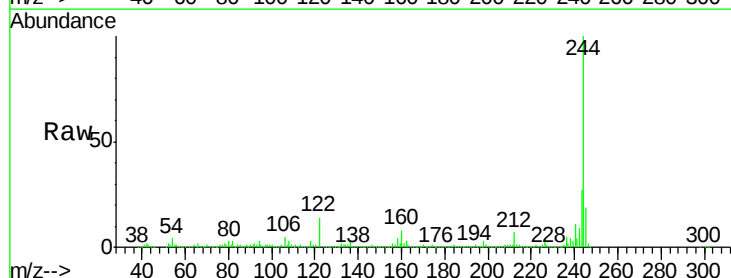
Tgt Ion:244 Resp: 741901

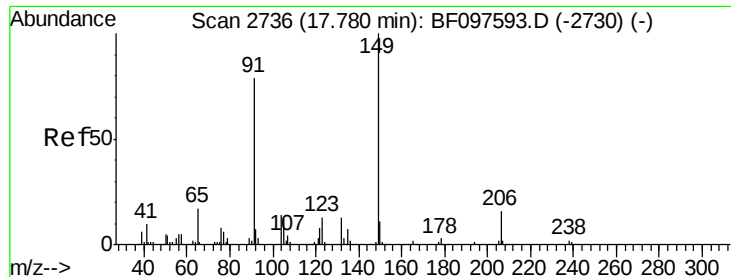
Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 14.0 10.3 15.5

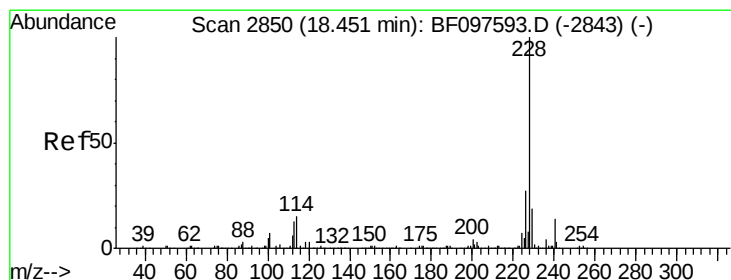
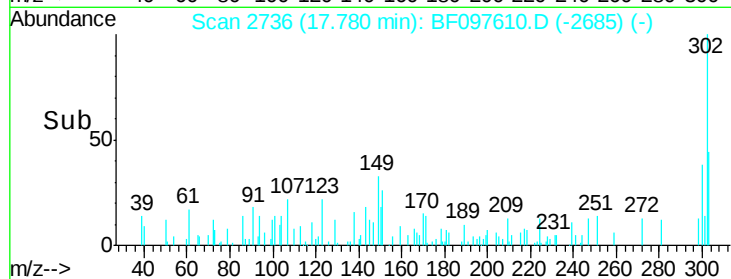
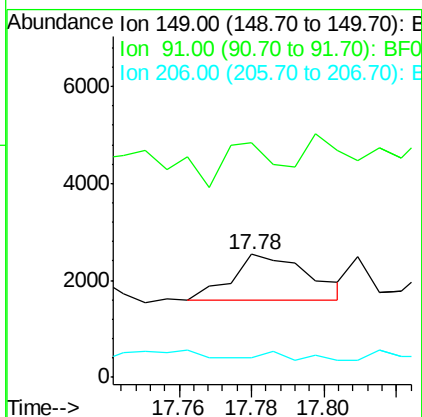
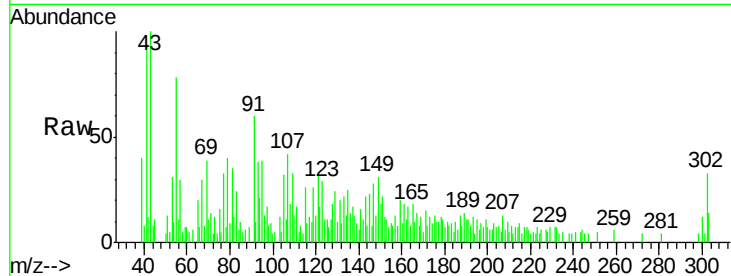




#79
Butylbenzylphthalate
Concen: 0.18 ng
RT: 17.78 min Scan# 2736
Delta R.T. 0.00 min
Lab File: BF097610.D
Acq: 11 Aug 2017 23:30

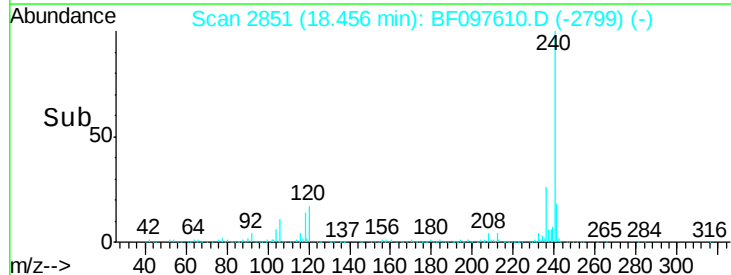
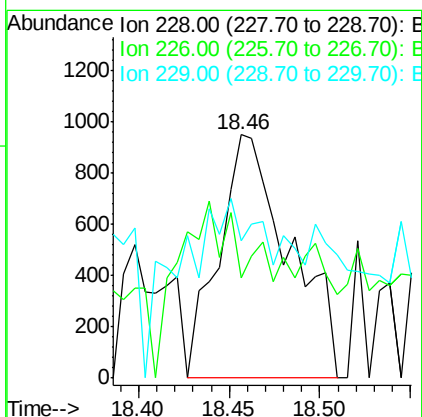
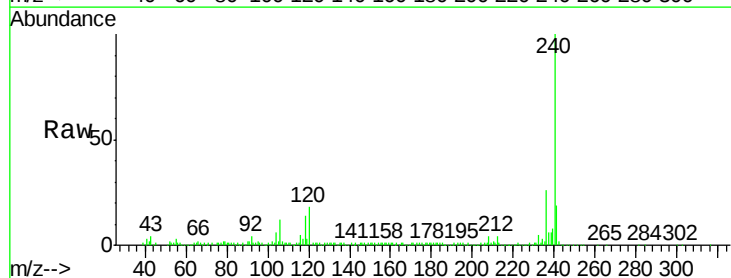
Instrument :
BNA_F
ClientSampled :
VE-2-1

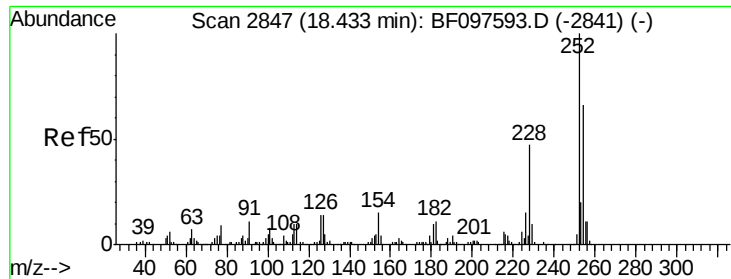
Tot Ion:149 Resp: 1348
Ion Ratio Lower Upper
149 100
91 191.5 45.0 67.4#
206 15.8 17.0 25.6#



#80
Benzo(a)anthracene
Concen: 0.20 ng
RT: 18.46 min Scan# 2851
Delta R.T. 0.01 min
Lab File: BF097610.D
Acq: 11 Aug 2017 23:30

Tgt Ion:228 Resp: 2579
Ion Ratio Lower Upper
228 100
226 41.3 22.6 33.8#
229 56.6 16.3 24.5#

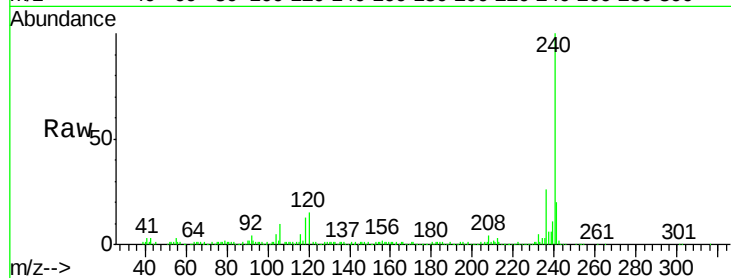




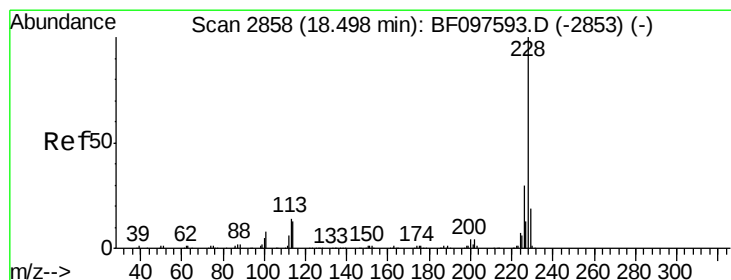
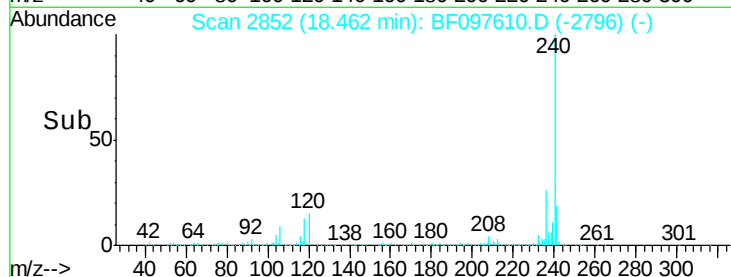
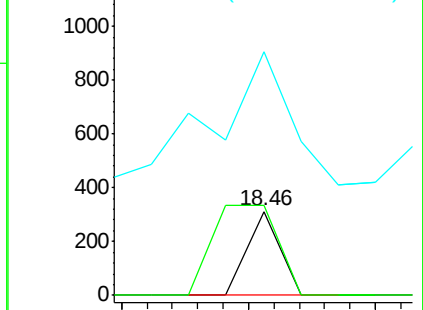
#81
 3,3'-Dichlorobenzidine
 Concen: 0.03 ng
 RT: 18.46 min Scan# 2852
 Delta R.T. 0.03 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

Instrument :
 BNA_F
 ClientSampleId :
 VE-2-1

Tot Ion:252 Resp: 110
 Ion Ratio Lower Upper
 252 100
 254 107.1 51.5 77.3#
 126 290.1 15.8 23.8#

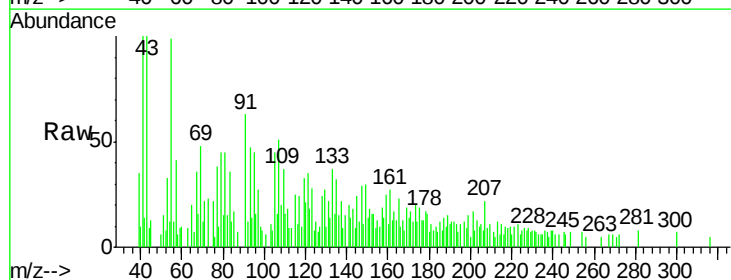


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

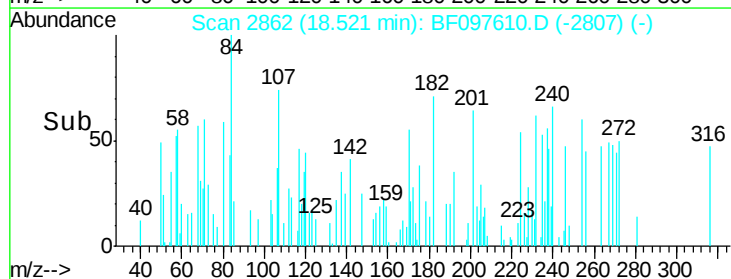
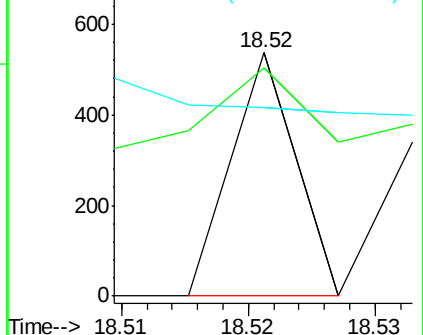


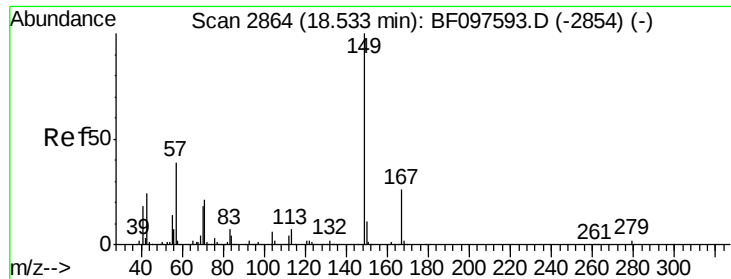
#82
 Chrysene
 Concen: 0.01 ng
 RT: 18.52 min Scan# 2862
 Delta R.T. 0.02 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

Tgt Ion:228 Resp: 190
 Ion Ratio Lower Upper
 228 100
 226 94.0 24.9 37.3#
 229 77.5 15.8 23.6#



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

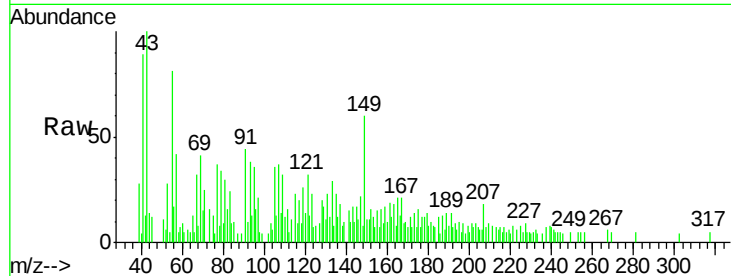




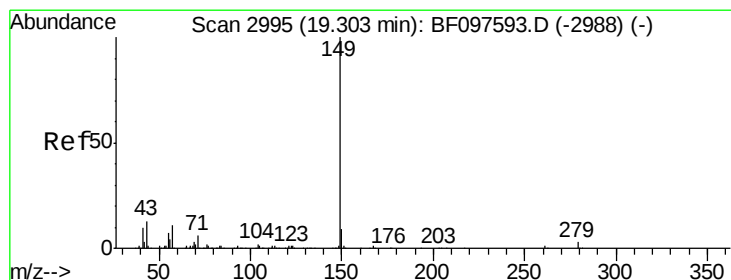
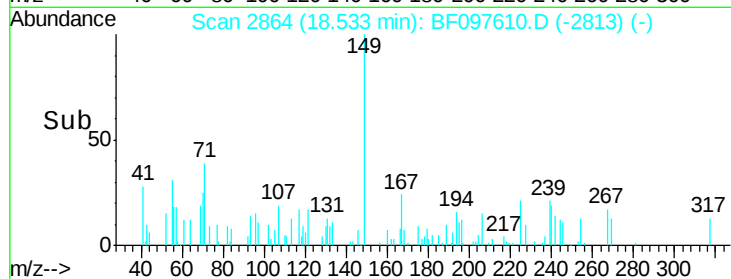
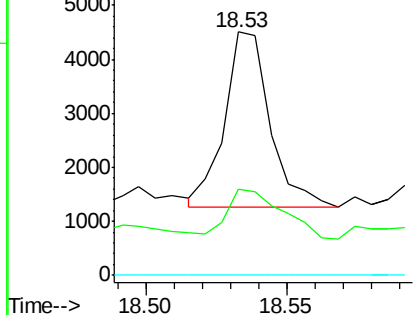
#83
Bis(2-ethylhexyl)phthalate
Concen: 0.34 ng
RT: 18.53 min Scan# 2864
Delta R.T. 0.00 min
Lab File: BF097610.D
Acq: 11 Aug 2017 23:30

Instrument :
BNA_F
ClientSampleId :
VE-2-1

Tot Ion:149 Resp: 3657
Ion Ratio Lower Upper
149 100
167 35.2 21.0 31.4#
279 0.0 1.9 2.9#

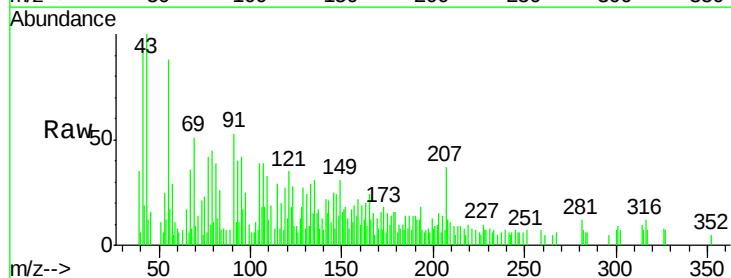


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

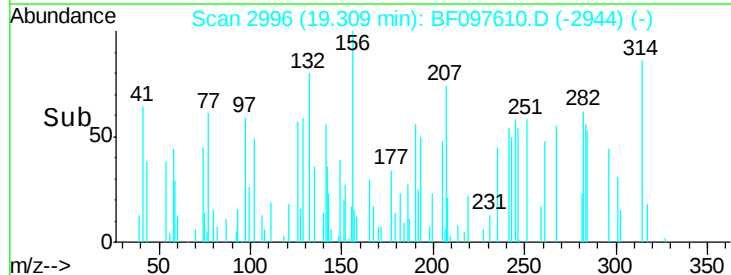
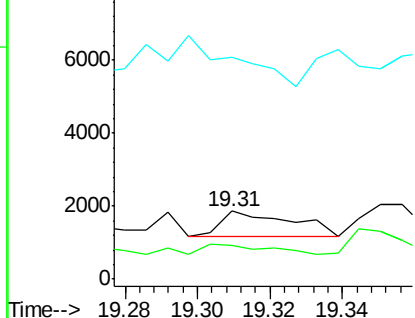


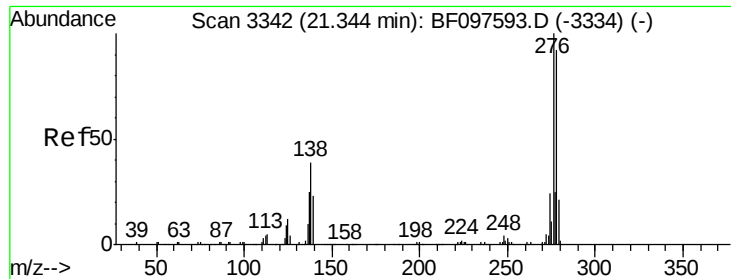
#84
Di-n-octyl phthalate
Concen: 0.05 ng
RT: 19.31 min Scan# 2996
Delta R.T. 0.01 min
Lab File: BF097610.D
Acq: 11 Aug 2017 23:30

Tgt Ion:149 Resp: 955
Ion Ratio Lower Upper
149 100
167 38.6 1.2 1.8#
43 218.0 8.5 12.7#



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): BF0

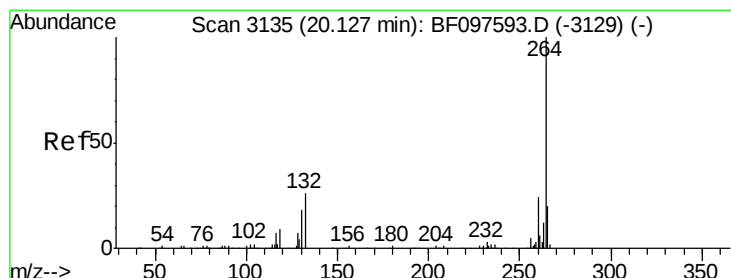
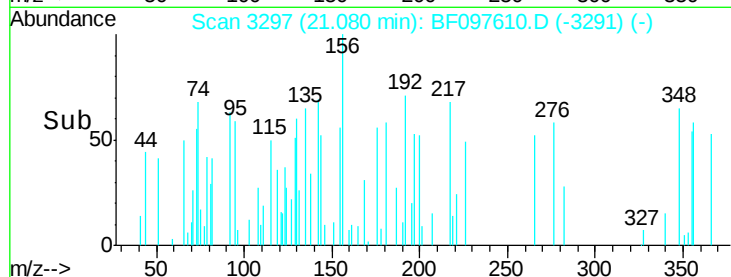
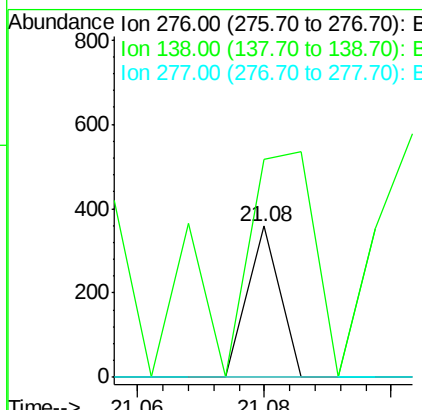
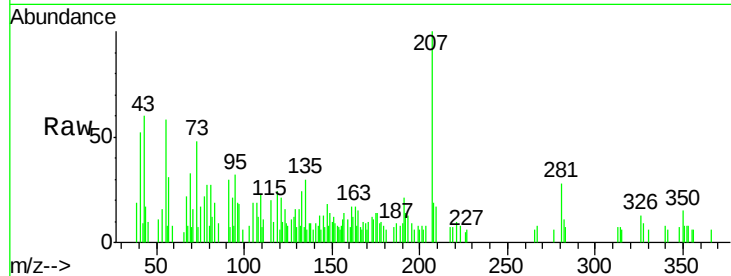




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.01 ng
 RT: 21.08 min Scan# 3297
 Delta R.T. -0.26 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

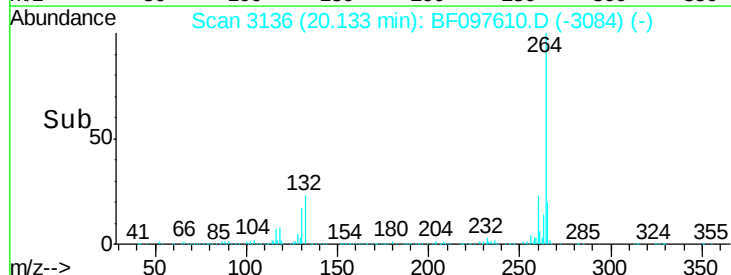
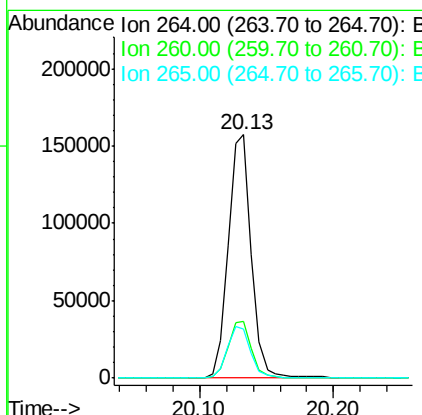
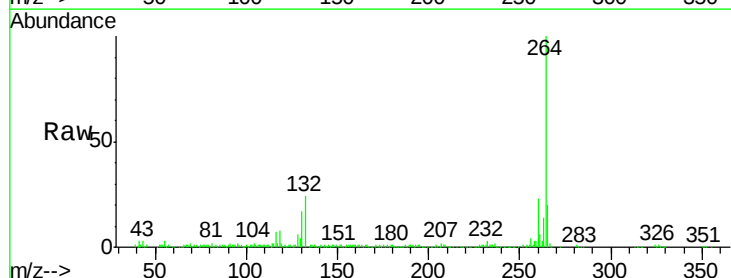
Instrument :
 BNA_F
 ClientSampled :
 VE-2-1

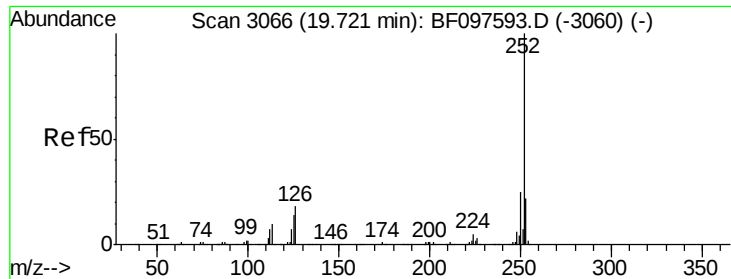
Tot Ion:276 Resp: 127
 Ion Ratio Lower Upper
 276 100
 138 393.7 27.8 41.6#
 277 0.0 20.2 30.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.13 min Scan# 3136
 Delta R.T. 0.01 min
 Lab File: BF097610.D
 Acq: 11 Aug 2017 23:30

Tgt Ion:264 Resp: 190655
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.5 29.3
 265 20.0 17.2 25.8

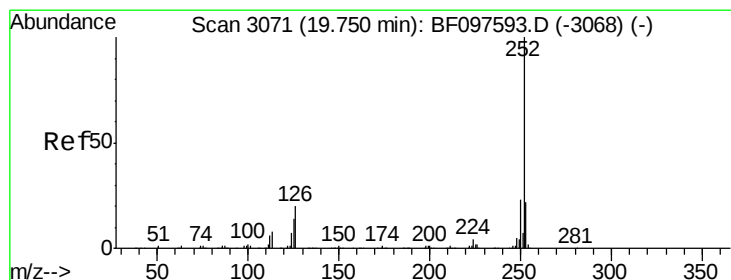
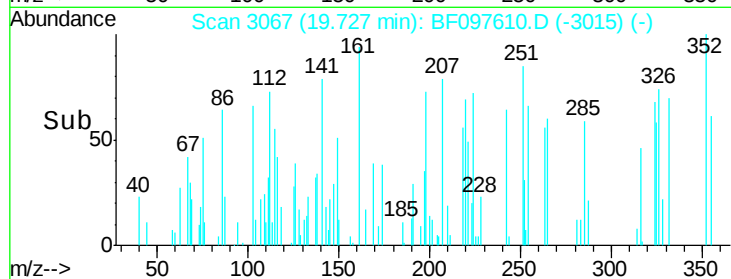
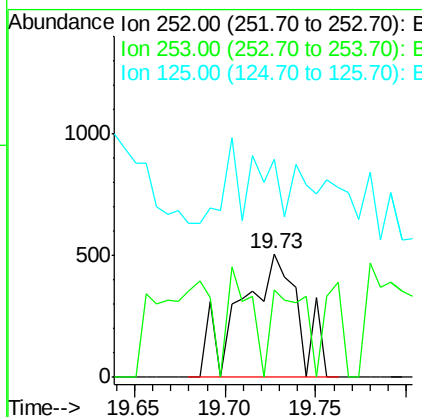
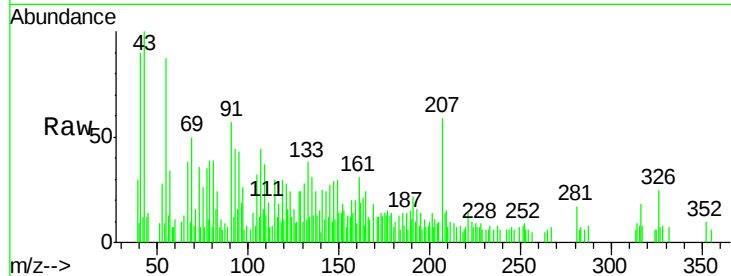




#87
Benzo(b)fluoranthene
Concen: 0.10 ng
RT: 19.73 min Scan# 3067
Delta R.T. 0.01 min
Lab File: BF097610.D
Acq: 11 Aug 2017 23:30

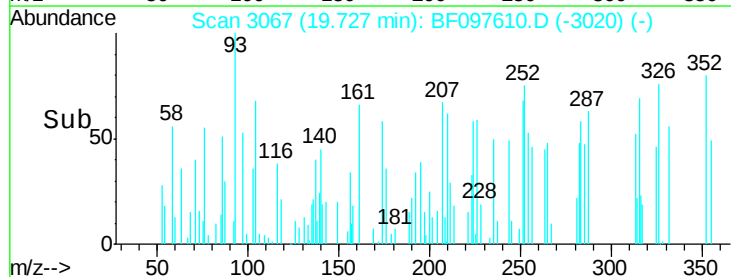
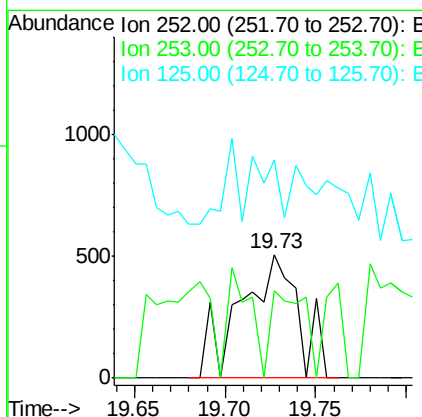
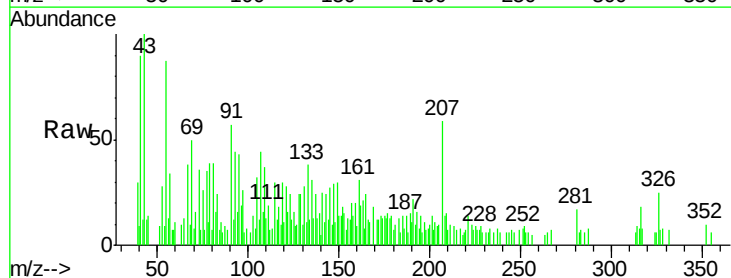
Instrument :
BNA_F
ClientSampleId :
VE-2-1

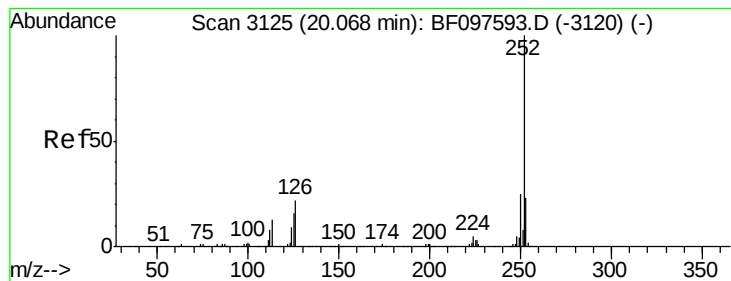
Tot Ion:252 Resp: 1136
Ion Ratio Lower Upper
252 100
253 71.2 18.1 27.1#
125 176.9 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 0.10 ng
RT: 19.73 min Scan# 3067
Delta R.T. -0.02 min
Lab File: BF097610.D
Acq: 11 Aug 2017 23:30

Tgt Ion:252 Resp: 1136
Ion Ratio Lower Upper
252 100
253 71.2 18.4 27.6#
125 176.9 13.1 19.7#





#89

Benzo(a)pyrene

Concen: 0.02 ng

RT: 20.07 min Scan# 3125

Delta R.T. 0.00 min

Lab File: BF097610.D

Acq: 11 Aug 2017 23:30

Instrument :

BNA_F

ClientSampleId :

VE-2-1

Tot Ion: 252 Resp: 224

Ion Ratio Lower Upper

252 100

253 128.4 17.5 26.3#

125 242.4 11.0 16.4#

