

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072717\
 Data File : BF097120.D
 Acq On : 27 Jul 2017 14:10
 Operator : SJ/JU
 Sample : I4421-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-SSW

Quant Time: Jul 27 15:53:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	99737	20.00	ng	0.00
21) Naphthalene-d8	7.77	136	321966	20.00	ng	-0.01
38) Acenaphthene-d10	9.53	164	106452	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	207963	20.00	ng	0.00
75) Chrysene-d12	13.62	240	186858	20.00	ng	0.00
86) Perylene-d12	14.97	264	165303	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.09	112	747349	112.96	ng	0.00
7) Phenol-d6	6.16	99	907103	120.10	ng	0.00
23) Nitrobenzene-d5	7.06	82	522649	95.23	ng	-0.02
41) 2,4,6-Tribromophenol	10.32	330	116025	137.95	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	611646	97.51	ng	0.00
78) Terphenyl-d14	12.57	244	484960	52.92	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.24	93	891802	93.828	ng	# 50
10) Phenol	6.17	94	40101	4.476	ng	91
11) bis(2-Chloroethyl)ether	6.24	93	891802	125.857	ng	87
13) 1,4-Dichlorobenzene	6.51	146	52617	6.964	ng	# 93
14) 1,2-Dichlorobenzene	6.66	146	78932	11.965	ng	99
19) n-Nitroso-di-n-propylamine	6.92	70	17959	3.612	ng	# 85
22) Acetophenone	6.89	105	85522	11.061	ng	# 51
24) Nitrobenzene	7.04	77	27114	4.744	ng	# 20
25) Isophorone	7.30	82	27918	2.597	ng	# 1
31) Naphthalene	7.80	128	1091679	71.929	ng	97
33) 4-Chloroaniline	7.83	127	13496	2.185	ng	# 1
35) Caprolactam	8.23	113	44260	31.409	ng	# 1
37) 2-Methylnaphthalene	8.50	142	1254681	130.568	ng	97
45) 1,1'-Biphenyl	8.96	154	123475	13.580	ng	96
47) 2-Nitroaniline	9.07	65	8185	3.371	ng	# 48
48) Acenaphthylene	9.40	152	62060	6.043	ng	# 1
49) Dimethylphthalate	9.26	163	168484	20.842	ng	# 97
50) 2,6-Dinitrotoluene	9.39	165	9520	5.553	ng	# 53
51) Acenaphthene	9.56	154	88338	14.602	ng	91
52) 3-Nitroaniline	9.49	138	4814	2.262	ng	# 27
53) 2,4-Dinitrophenol	9.83	184	8408	10.786	ng	96
54) Dibenzofuran	9.73	168	86672	10.756	ng	# 45
55) 4-Nitrophenol	9.69	139	14010	11.070	ng	# 21
56) 2,4-Dinitrotoluene	9.75	165	23511	11.929	ng	# 53
57) Fluorene	10.07	166	132633	21.900	ng	# 83
58) 2,3,4,6-Tetrachlorophenol	9.84	232	3216	2.261	ng	# 42
62) Azobenzene	10.23	77	23915	3.476	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.15	198	12574	9.730	ng	# 1
65) n-Nitrosodiphenylamine	10.19	169	109982	15.200	ng	# 48
70) Phenanthrene	11.02	178	163227	14.649	ng	# 94
71) Anthracene	11.07	178	52499	4.600	ng	# 84
74) Fluoranthene	12.20	202	190355	17.438	ng	98
77) Pvrene	12.43	202	195868	12.804	ng	97
80) Benzo(a)anthracene	13.61	228	126471	10.460	ng	97

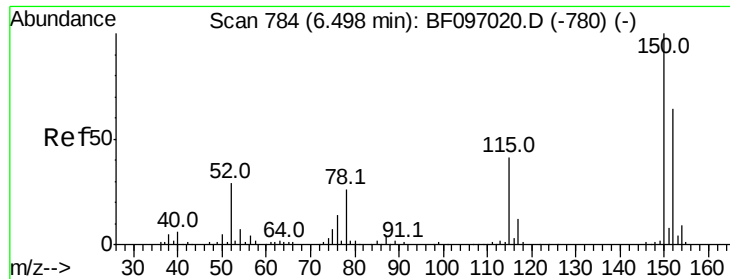
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Chrysene	13.64	228	127999	10.842	nq	97
85) Indeno(1,2,3-cd)pyrene	16.19	276	73381	7.249	nq	95
87) Benzo(b)fluoranthene	14.61	252	234785	23.628	nq #	90
88) Benzo(k)fluoranthene	14.61	252	234785	24.796	nq #	94
89) Benzo(a)pyrene	14.92	252	140448	15.443	nq #	91
90) Dibenzo(a,h)anthracene	16.19	278	20499	2.749	nq #	74
91) Benzo(q,h,i)perylene	16.55	276	76807	9.821	nq	91

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

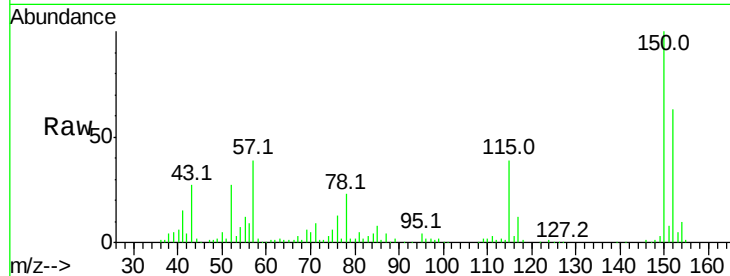


#1

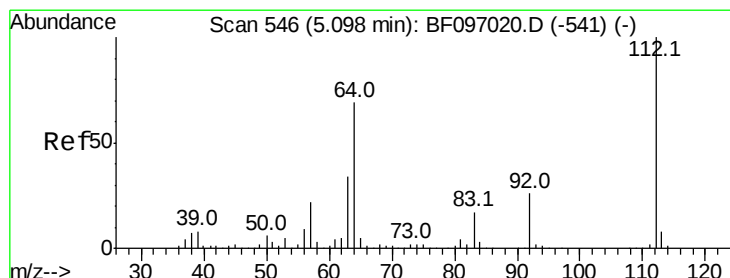
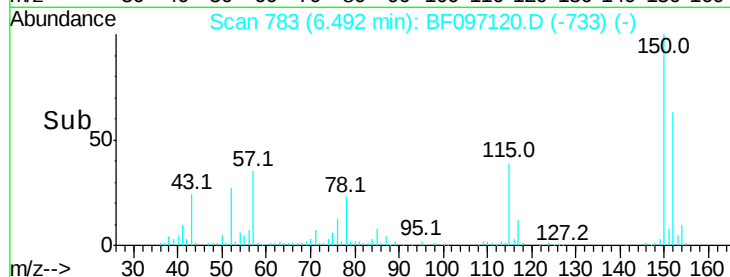
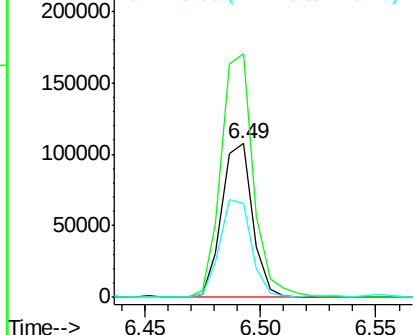
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF097120.D
Acq: 27 Jul 2017 14:10

Instrument :
BNA_F
ClientSampleId :
E2-N7-SSW

Tot Ion:152 Resp: 99737
Ion Ratio Lower Upper
152 100
150 158.6 126.2 189.2
115 61.4 52.2 78.2



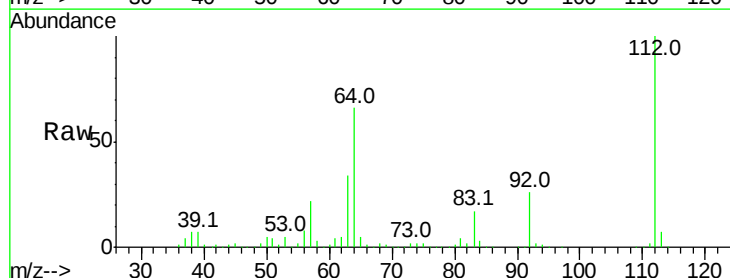
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



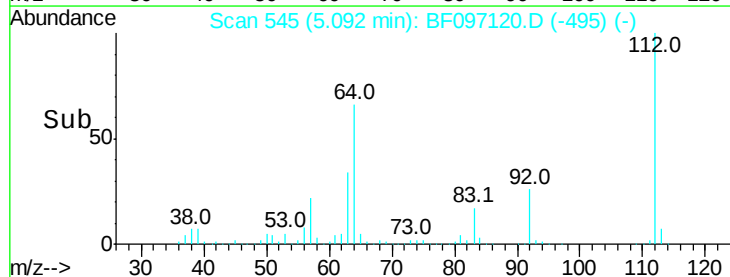
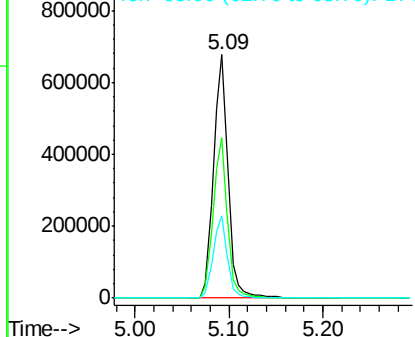
#5

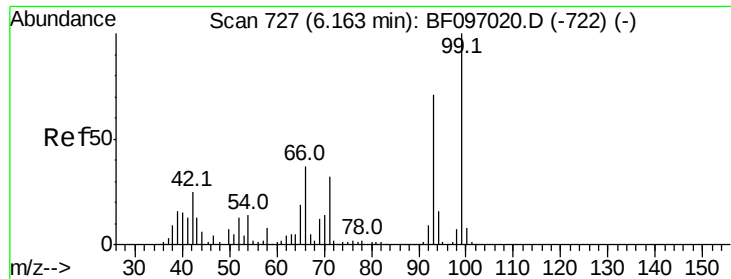
2-Fluorophenol
Concen: 112.959 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097120.D
Acq: 27 Jul 2017 14:10

Tgt Ion:112 Resp: 747349
Ion Ratio Lower Upper
112 100
64 65.7 46.0 69.0
63 33.7 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: 93.828 ng

RT: 6.24 min Scan# 740

Delta R.T. 0.08 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSW

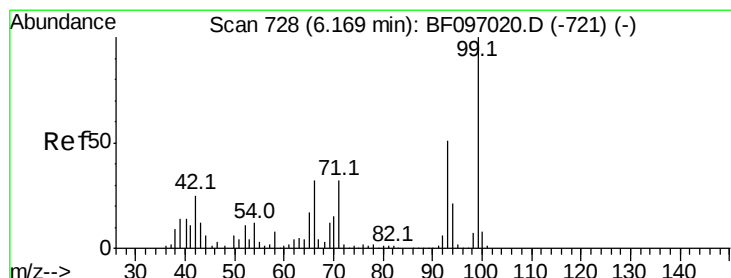
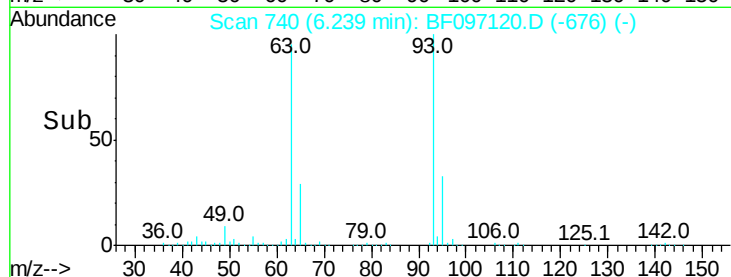
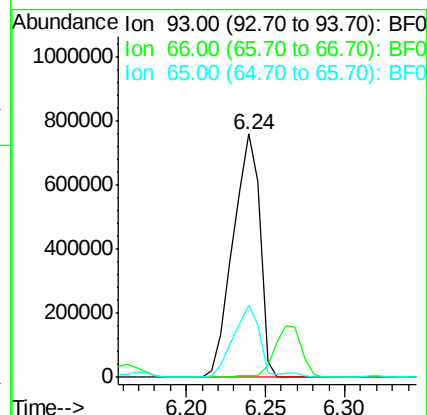
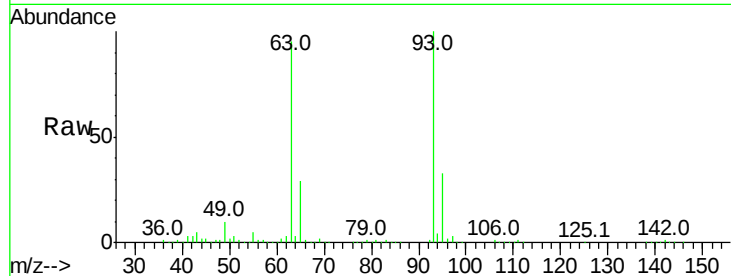
Tot Ion: 93 Resp: 891802

Ion Ratio Lower Upper

93 100

66 0.7 32.9 49.3#

65 29.4 16.0 24.0#



#7

Phenol-d6

Concen: 120.097 ng

RT: 6.16 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

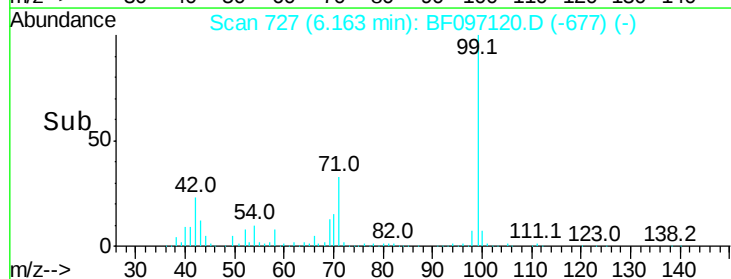
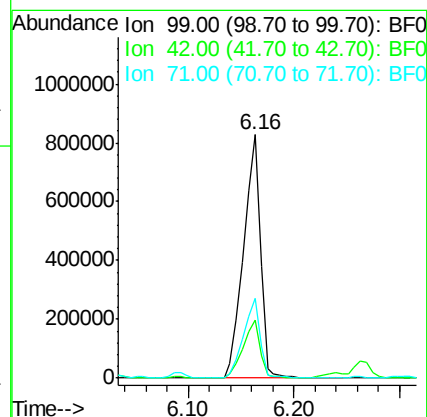
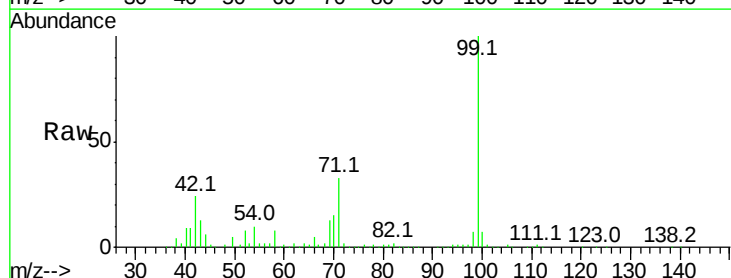
Tgt Ion: 99 Resp: 907103

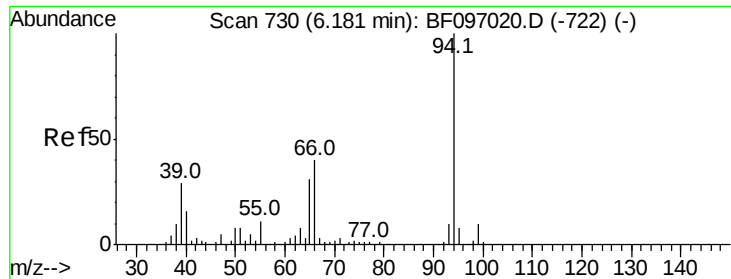
Ion Ratio Lower Upper

99 100

42 23.6 13.5 20.3#

71 32.7 24.5 36.7

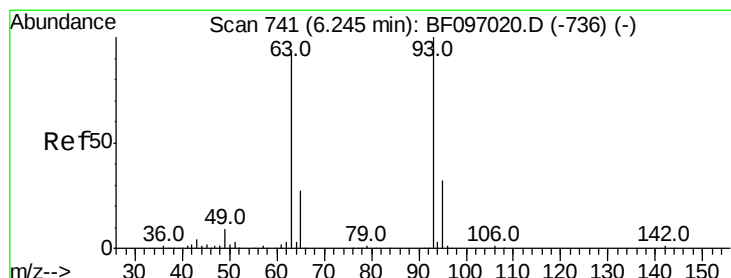
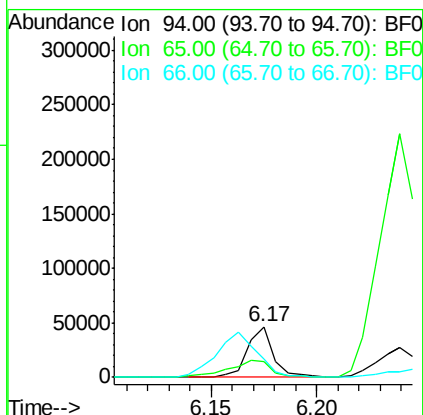
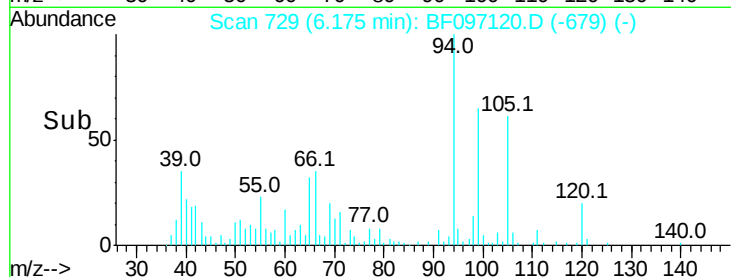
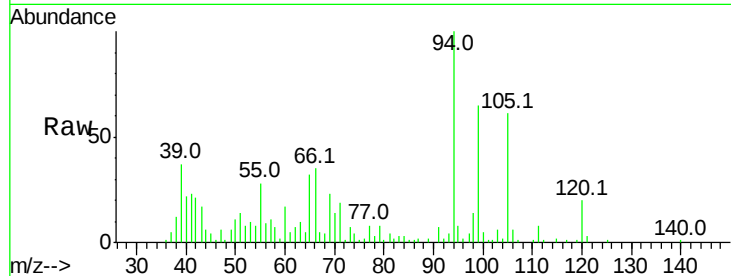




#10
Phenol
Concen: 4.476 ng
RT: 6.17 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF097120.D
Acq: 27 Jul 2017 14:10

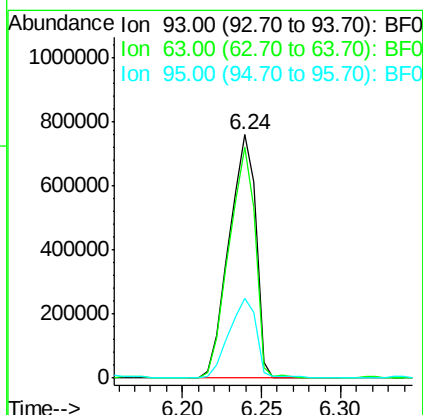
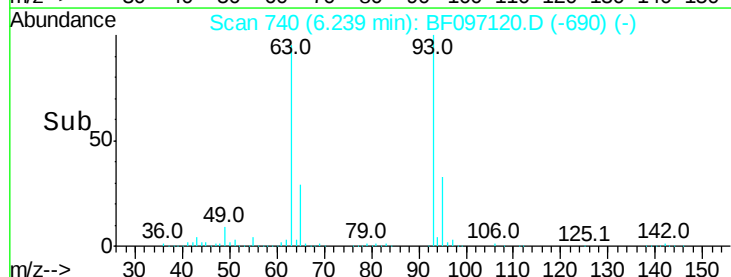
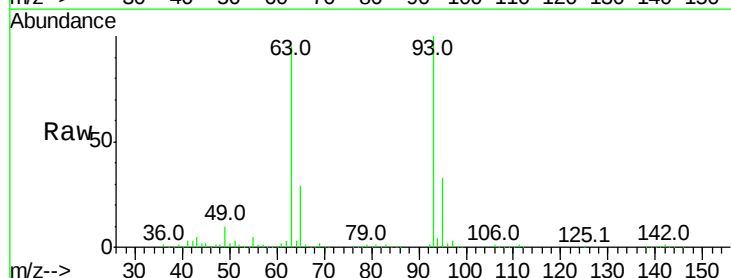
Instrument :
BNA_F
ClientSampleId :
E2-N7-SSW

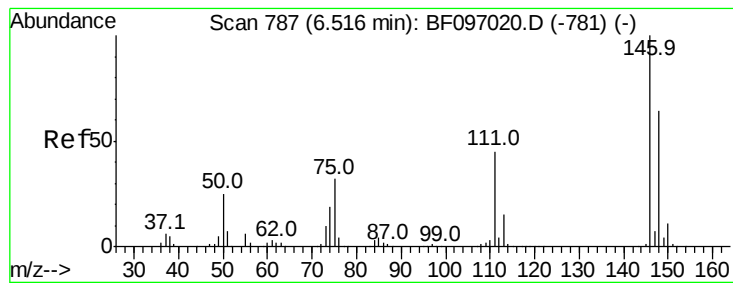
Tot Ion: 94 Resp: 40101
Ion Ratio Lower Upper
94 100
65 31.8 9.9 49.9
66 35.3 23.1 63.1



#11
bis(2-Chloroethyl)ether
Concen: 125.857 ng
RT: 6.24 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF097120.D
Acq: 27 Jul 2017 14:10

Tgt Ion: 93 Resp: 891802
Ion Ratio Lower Upper
93 100
63 94.7 59.2 99.2
95 33.0 12.8 52.8





#13

1,4-Dichlorobenzene

Concen: 6.964 ng

RT: 6.51 min Scan# 786

Delta R.T. -0.01 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSW

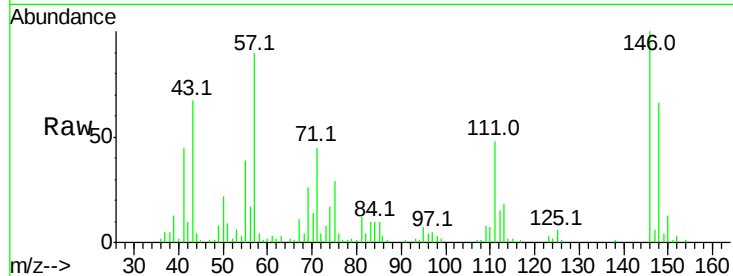
Tot Ion:146 Resp: 52617

Ion Ratio Lower Upper

146 100

148 65.7 52.2 78.2

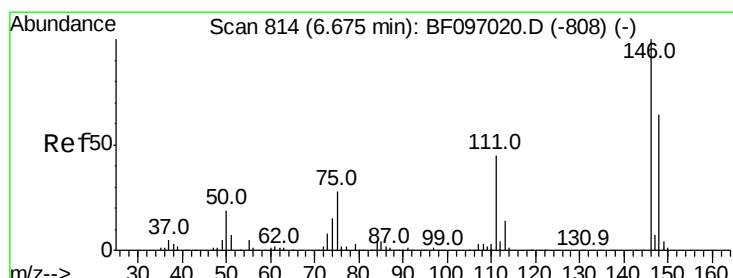
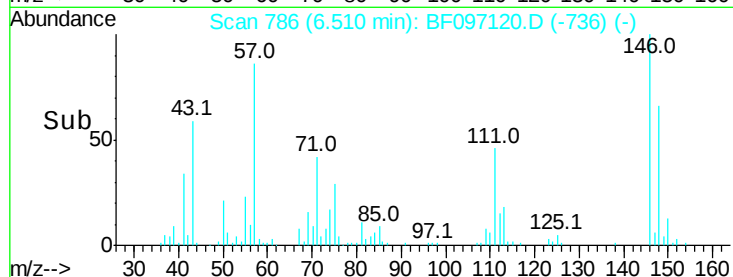
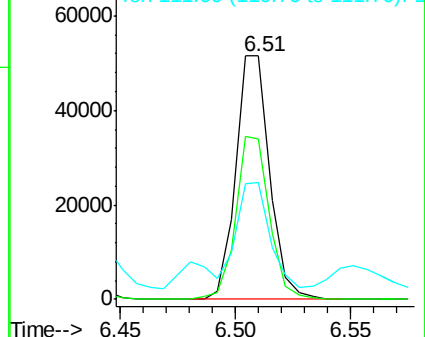
111 48.0 30.3 45.5#



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: 11.965 ng

RT: 6.66 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

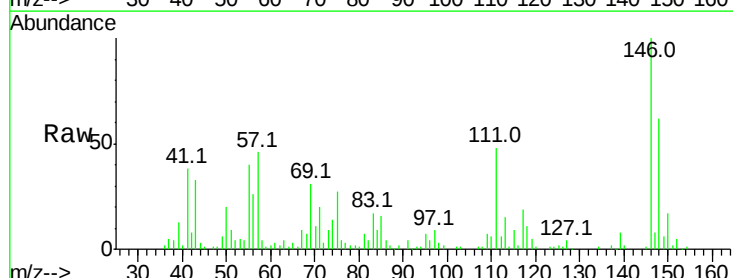
Tgt Ion:146 Resp: 78932

Ion Ratio Lower Upper

146 100

148 62.4 50.4 75.6

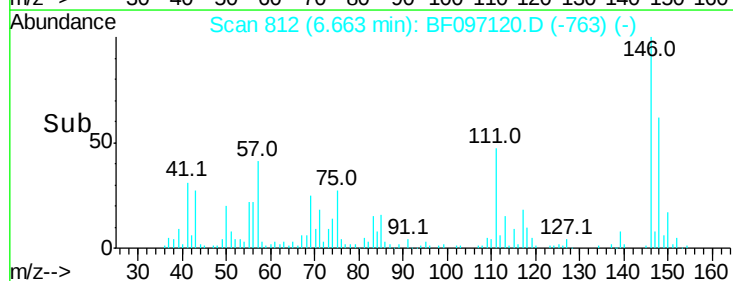
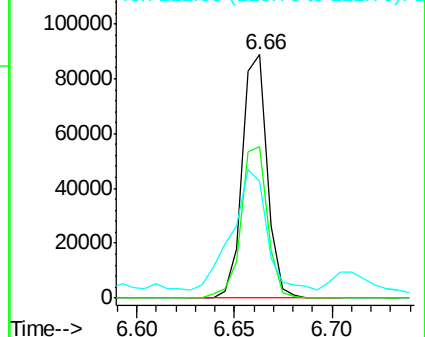
111 48.1 38.2 57.4

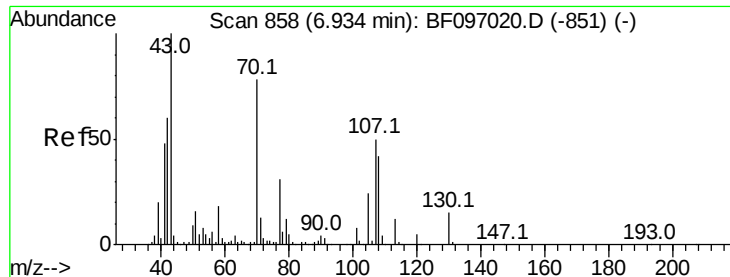


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

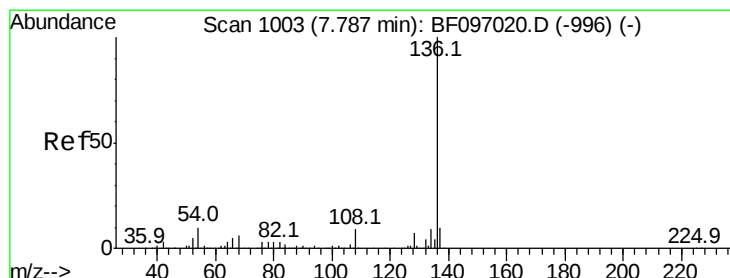
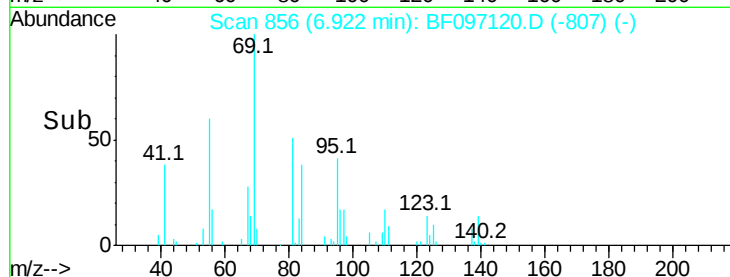
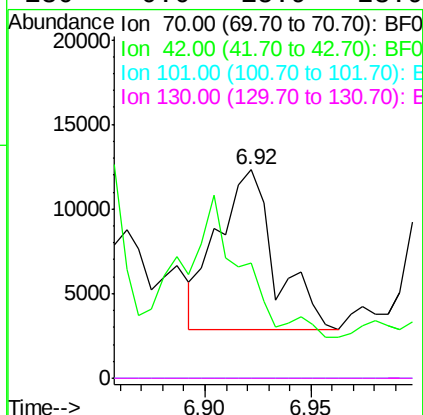
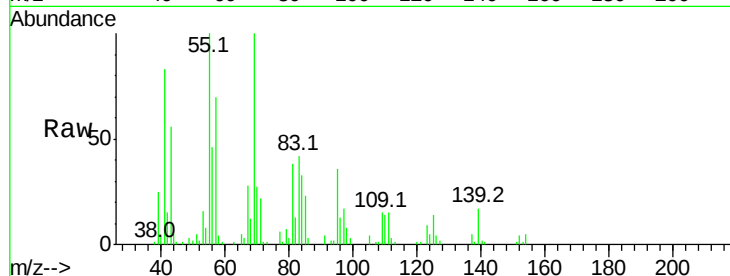




#19
n-Nitroso-di-n-propylamine
Concen: 3.612 ng
RT: 6.92 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF097120.D
Acq: 27 Jul 2017 14:10

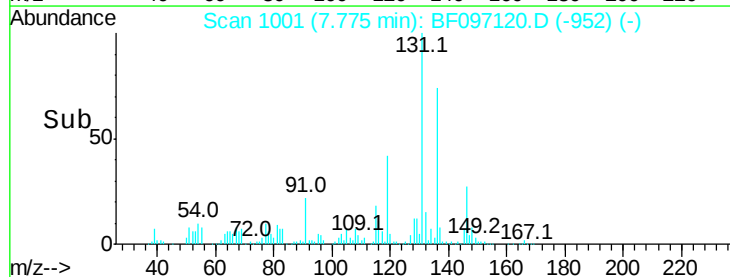
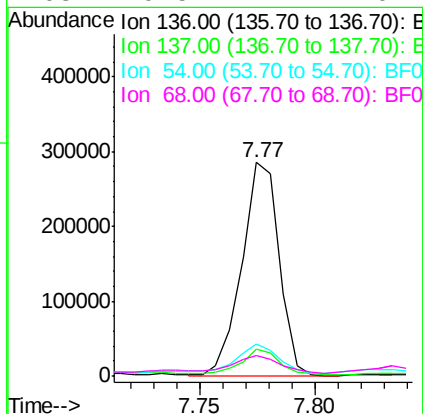
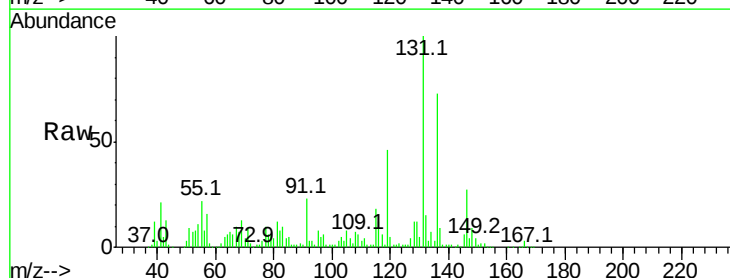
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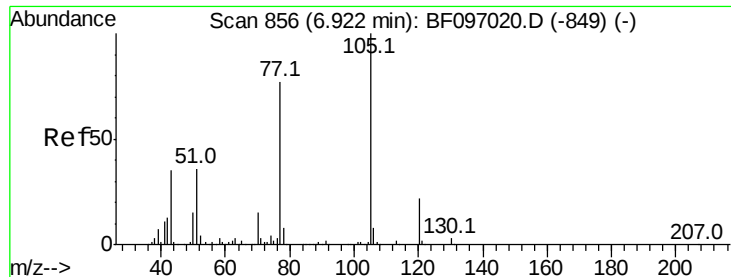
Tot Ion: 70 Resp: 17959
Ion Ratio Lower Upper
70 100
42 55.5 47.2 70.8
101 0.0 7.2 10.8#
130 0.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.77 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF097120.D
Acq: 27 Jul 2017 14:10

Tgt Ion:136 Resp: 321966
Ion Ratio Lower Upper
136 100
137 12.4 8.5 12.7
54 15.2 4.9 7.3#
68 9.5 4.1 6.1#





#22

Acetophenone

Concen: 11.061 ng

RT: 6.89 min Scan# 851

Delta R.T. -0.03 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSW

Tot Ion:105 Resp: 85522

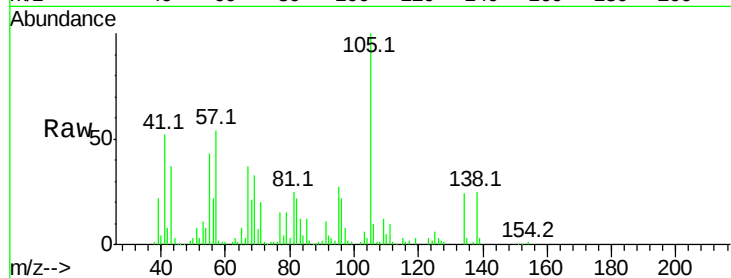
Ion Ratio Lower Upper

105 100

71 19.6 2.8 4.2#

51 7.9 30.7 46.1#

120 0.0 17.4 26.0#



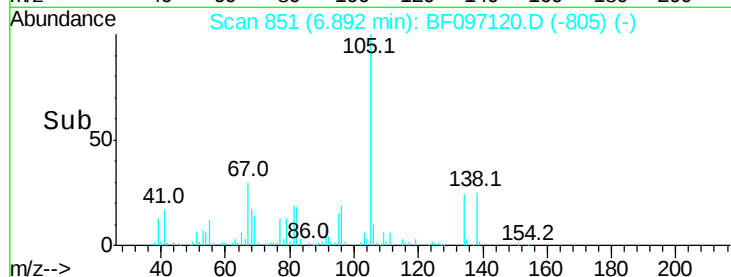
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

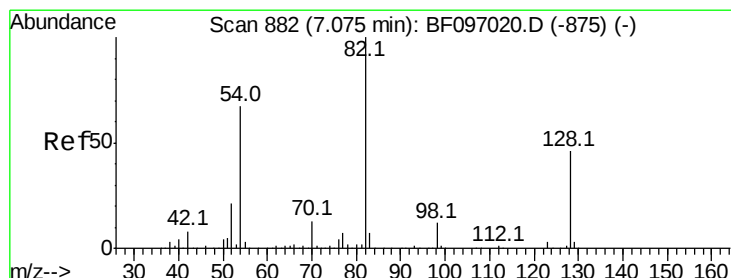
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



Time-->



#23

Nitrobenzene-d5

Concen: 95.230 ng

RT: 7.06 min Scan# 879

Delta R.T. -0.02 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

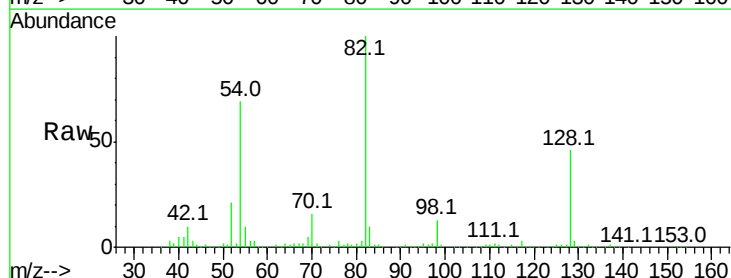
Tgt Ion: 82 Resp: 522649

Ion Ratio Lower Upper

82 100

128 45.5 34.0 51.0

54 68.9 42.2 63.2#

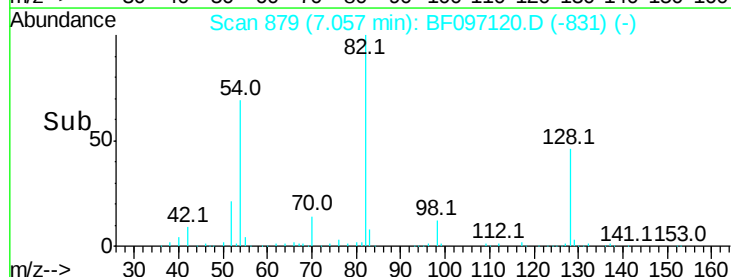


Abundance Ion 82.00 (81.70 to 82.70): BF0

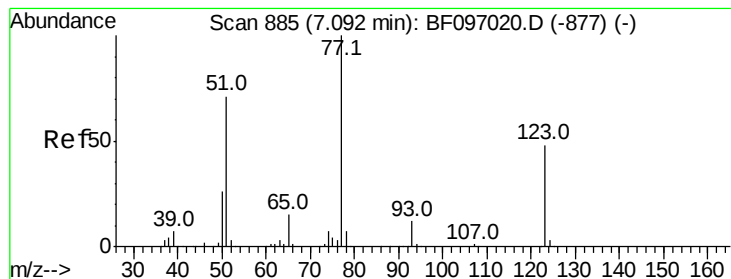
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->



Time-->



#24

Nitrobenzene

Concen: 4.744 ng

RT: 7.04 min Scan# 876

Delta R.T. -0.05 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSW

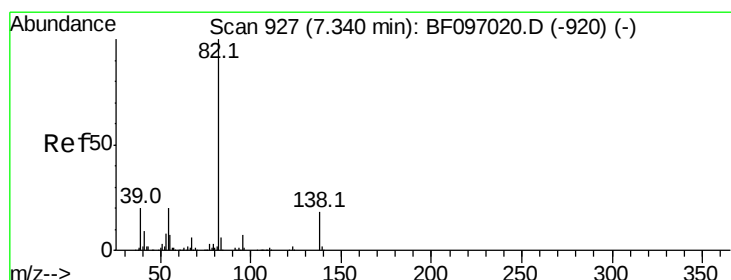
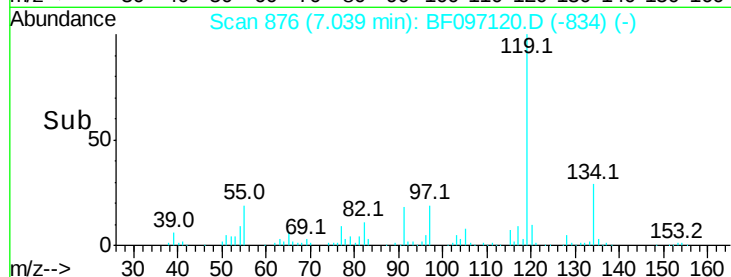
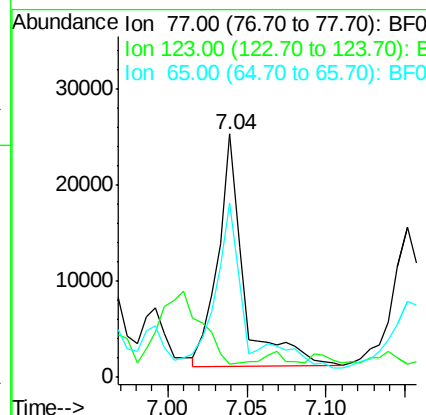
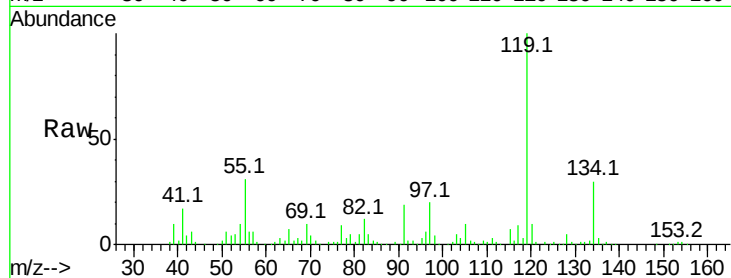
Tot Ion: 77 Resp: 27114

Ion Ratio Lower Upper

77 100

123 5.6 35.8 53.8#

65 71.7 10.6 15.8#



#25

Isophorone

Concen: 2.597 ng

RT: 7.30 min Scan# 921

Delta R.T. -0.04 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

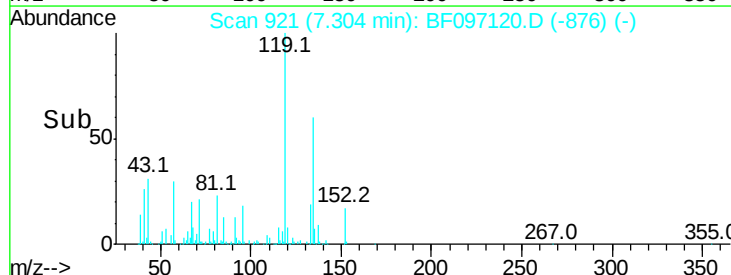
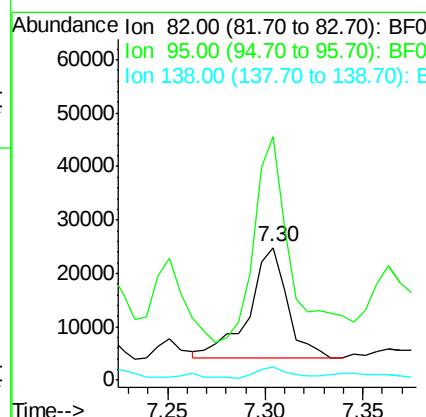
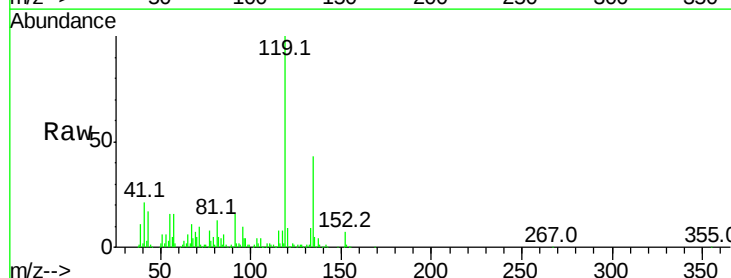
Tgt Ion: 82 Resp: 27918

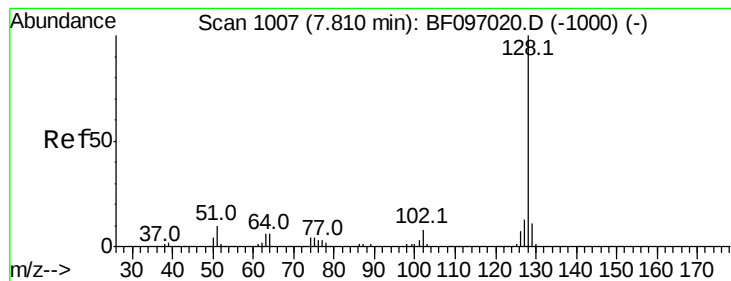
Ion Ratio Lower Upper

82 100

95 183.3 5.3 7.9#

138 10.1 13.1 19.7#





#31

Naphthalene

Concen: 71.929 ng

RT: 7.80 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSW

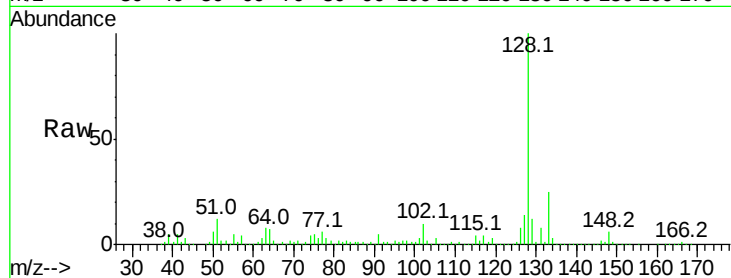
Tot Ion:128 Resp: 1091679

Ion Ratio Lower Upper

128 100

129 12.5 9.0 13.6

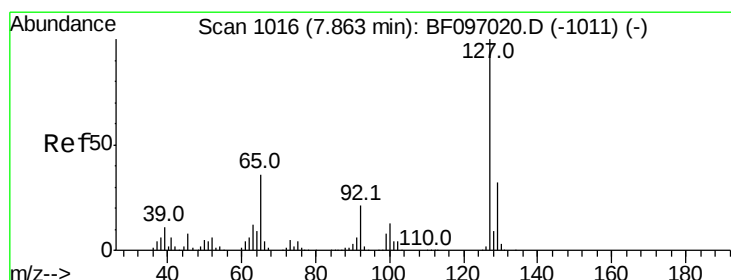
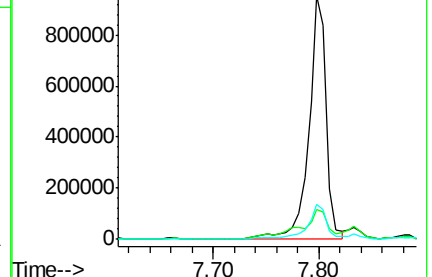
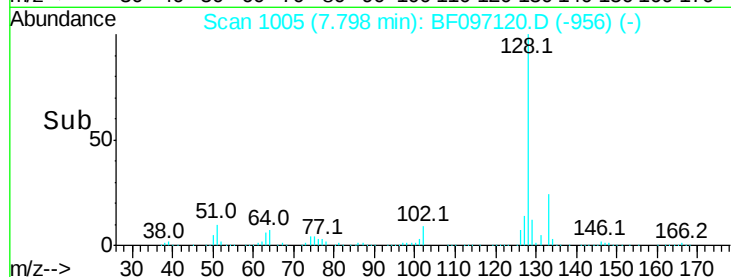
127 14.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 2.185 ng

RT: 7.83 min Scan# 1011

Delta R.T. -0.03 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

Tgt Ion:127 Resp: 13496

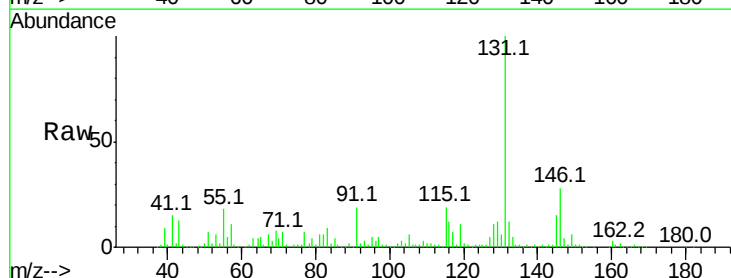
Ion Ratio Lower Upper

127 100

129 268.8 26.2 39.2#

65 118.0 27.8 41.8#

92 48.4 16.8 25.2#

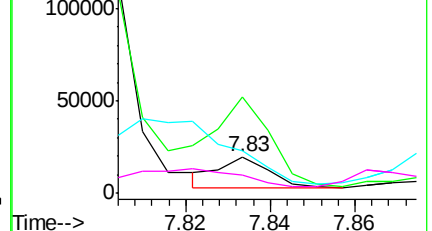
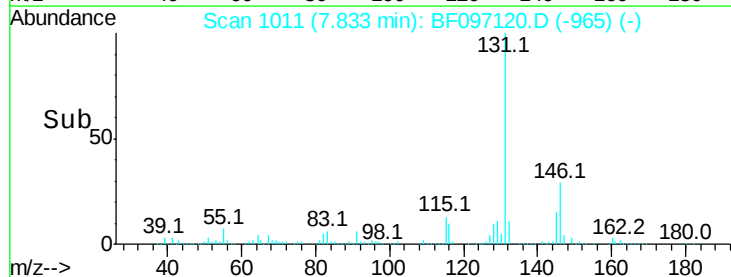


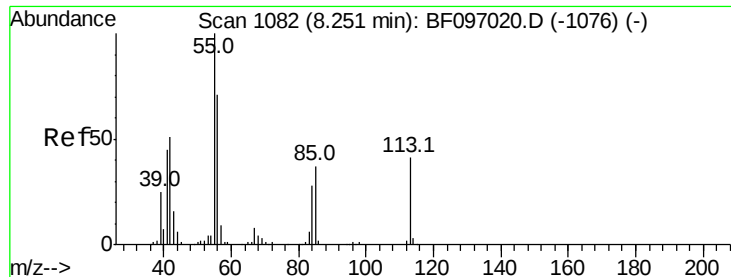
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#35

Caprolactam

Concen: 31.409 ng

RT: 8.23 min Scan# 1079

Delta R.T. -0.02 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSW

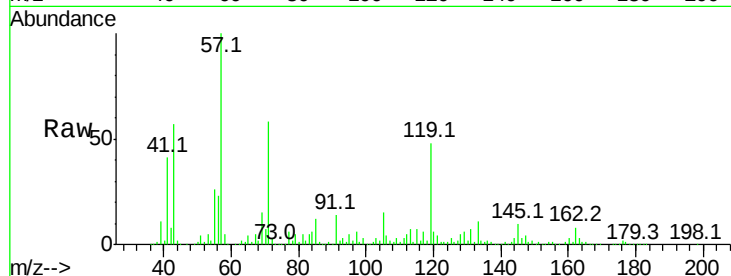
Tot Ion:113 Resp: 44260

Ion Ratio Lower Upper

113 100

55 379.4 150.2 190.2#

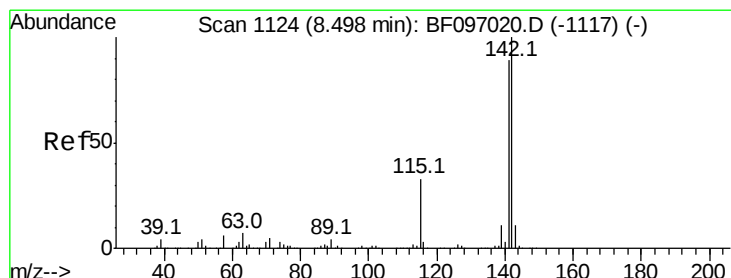
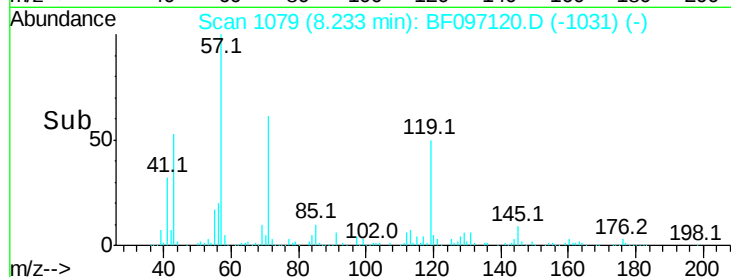
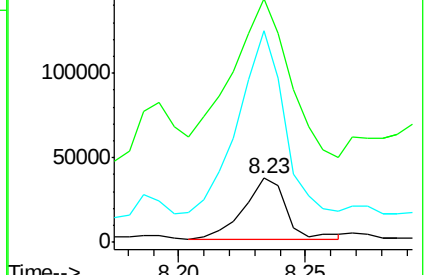
56 329.3 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 130.568 ng

RT: 8.50 min Scan# 1125

Delta R.T. 0.01 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

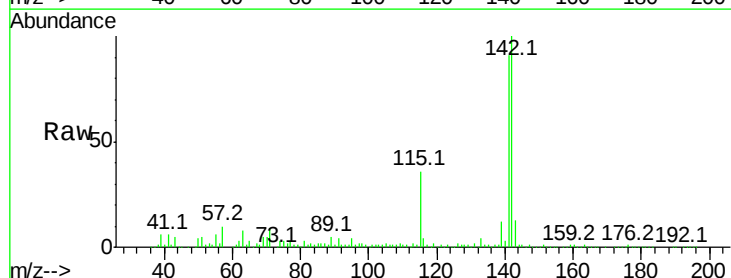
Tgt Ion:142 Resp: 1254681

Ion Ratio Lower Upper

142 100

141 91.4 71.3 106.9

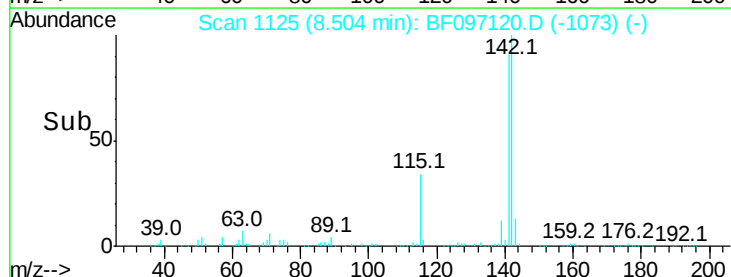
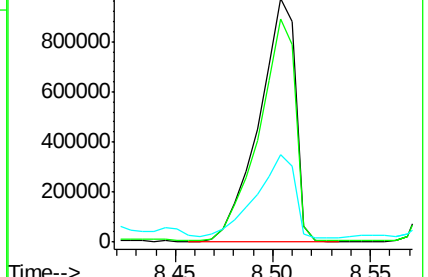
115 36.2 27.1 40.7

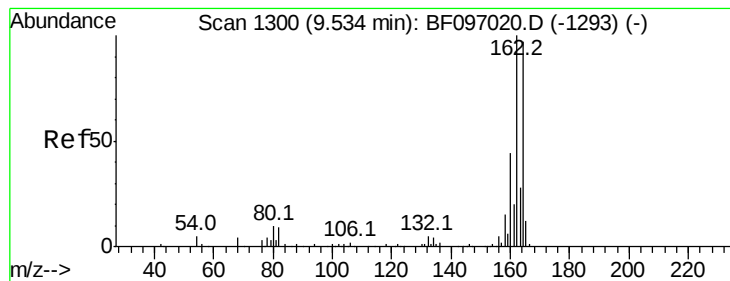


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.53 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSW

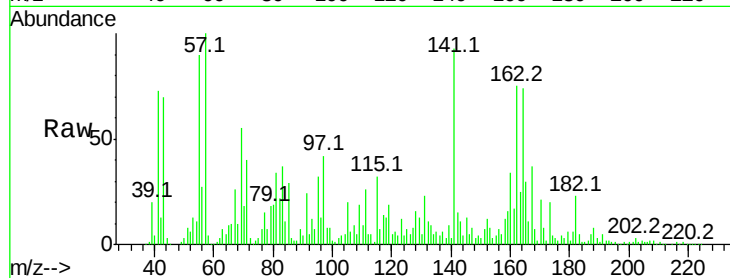
Tot Ion:164 Resp: 106452

Ion Ratio Lower Upper

164 100

162 101.6 82.6 123.8

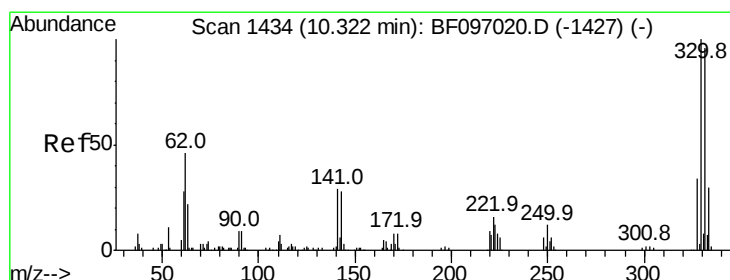
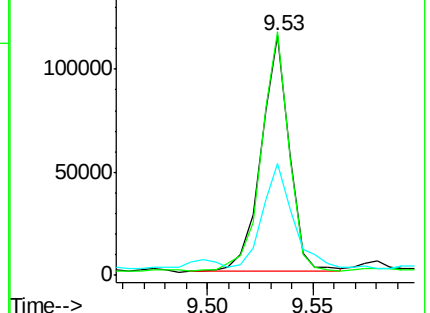
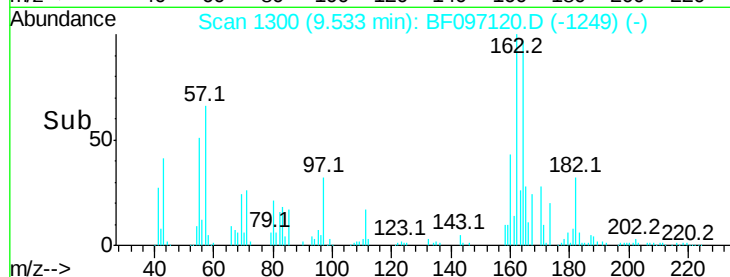
160 46.7 36.2 54.2



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: 137.949 ng

RT: 10.32 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

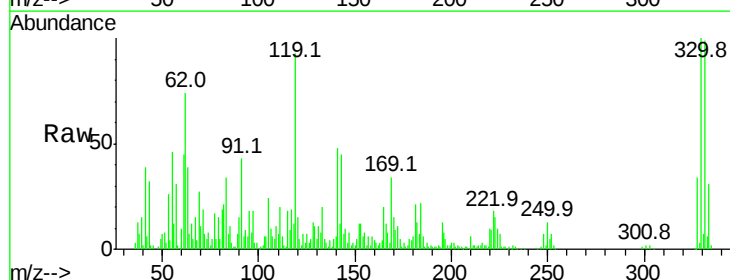
Tgt Ion:330 Resp: 116025

Ion Ratio Lower Upper

330 100

332 95.7 76.6 115.0

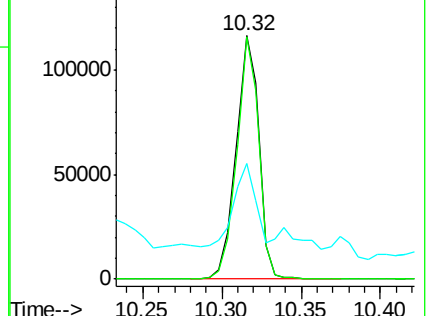
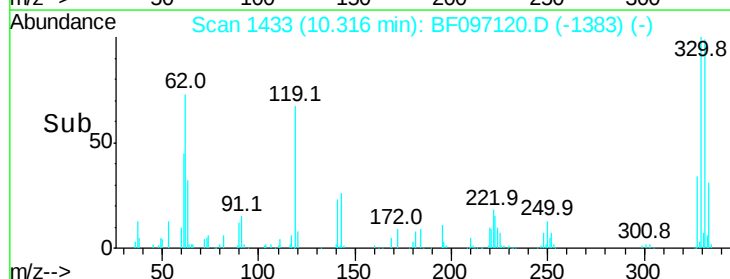
141 37.0 31.4 47.2

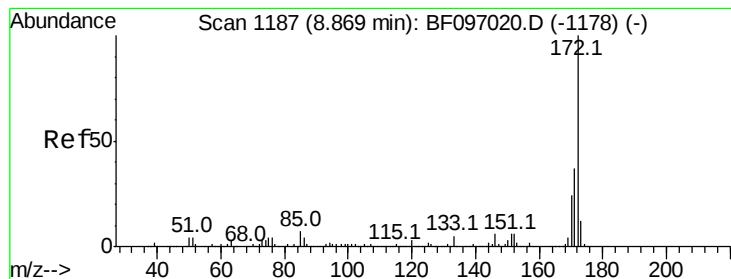


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

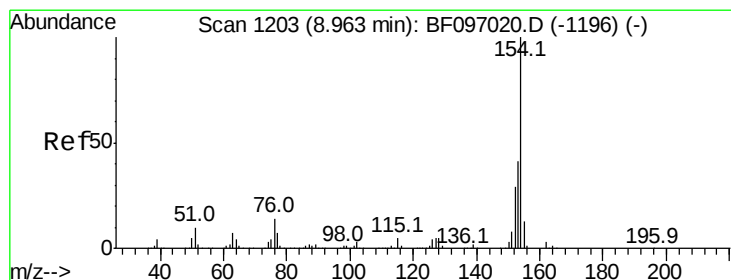
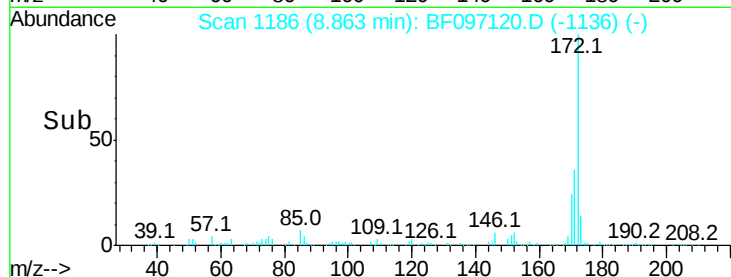
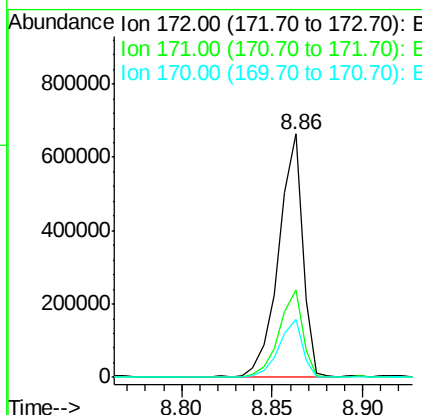
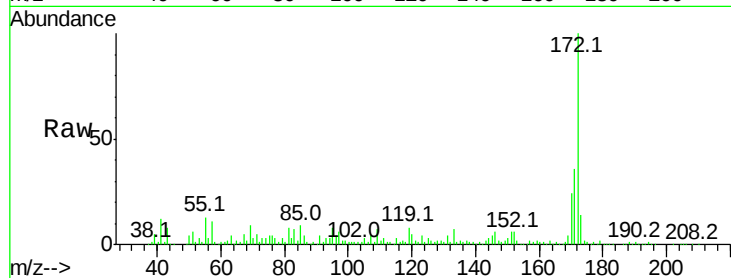




#44
 2-Fluorobiphenyl
 Concen: 97.511 ng
 RT: 8.86 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF097120.D
 Acq: 27 Jul 2017 14:10

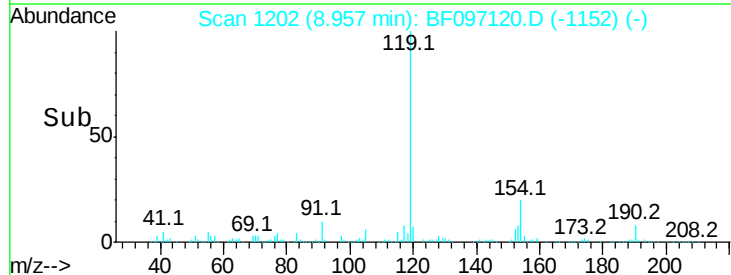
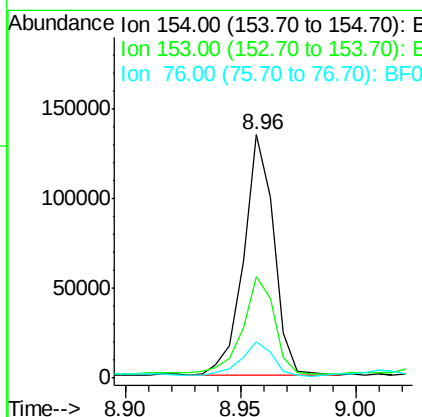
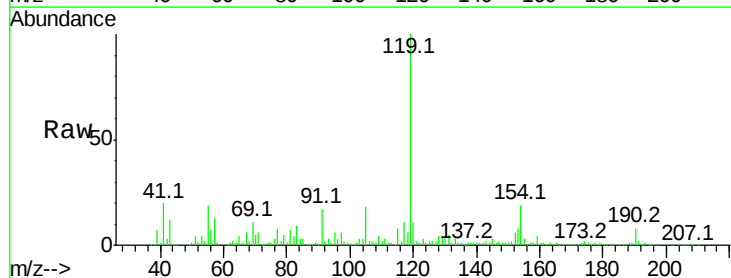
Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-SSW

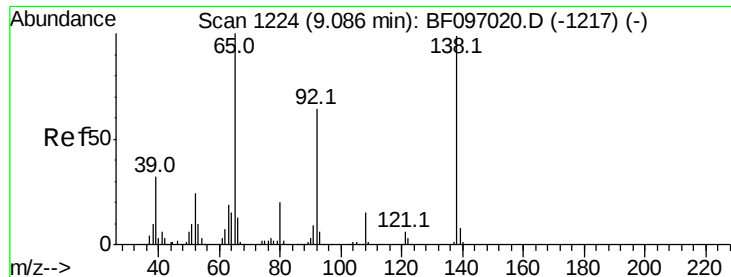
Tot Ion:172 Resp: 611646
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 24.0 19.8 29.8



#45
 1,1'-Biphenyl
 Concen: 13.580 ng
 RT: 8.96 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF097120.D
 Acq: 27 Jul 2017 14:10

Tgt Ion:154 Resp: 123475
 Ion Ratio Lower Upper
 154 100
 153 41.9 21.2 61.2
 76 15.1 0.0 29.9





#47

2-Nitroaniline

Concen: 3.371 ng

RT: 9.07 min Scan# 1221

Delta R.T. -0.02 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSW

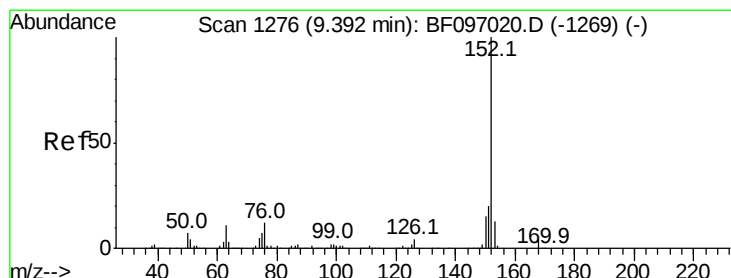
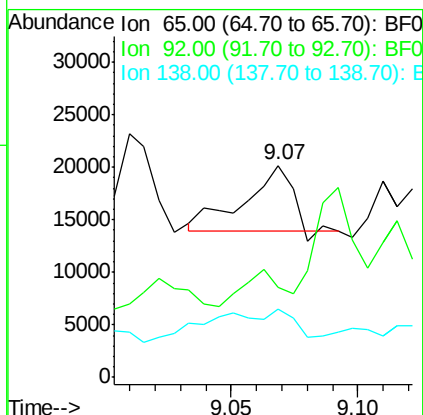
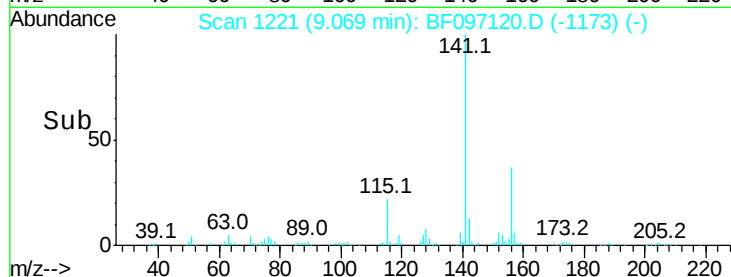
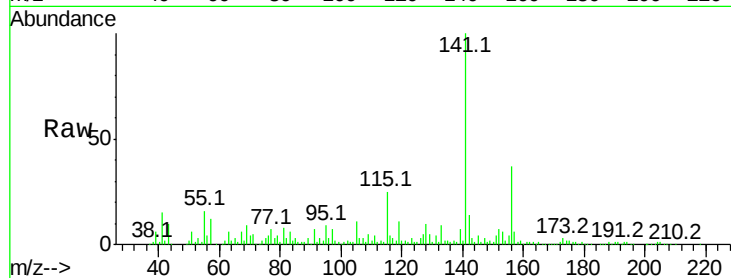
Tot Ion: 65 Resp: 8185

Ion Ratio Lower Upper

65 100

92 42.2 53.9 80.9#

138 32.4 78.8 118.2#



#48

Acenaphthylene

Concen: 6.043 ng

RT: 9.40 min Scan# 1277

Delta R.T. 0.01 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

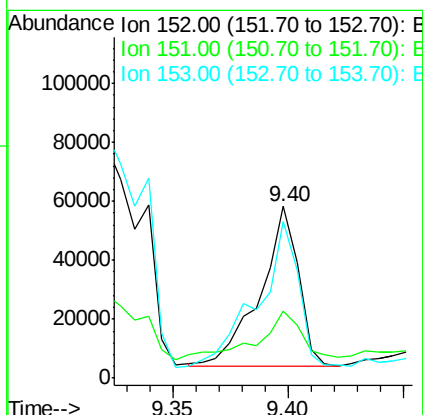
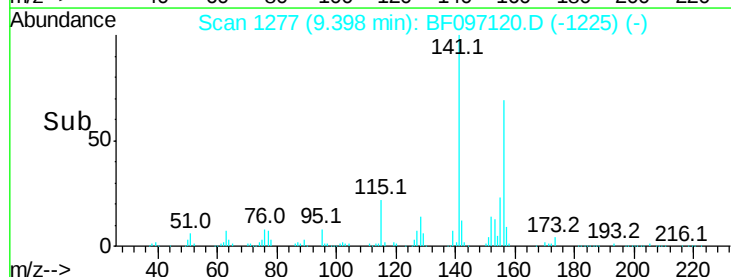
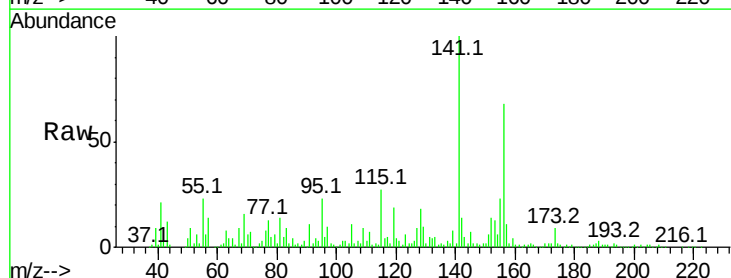
Tgt Ion: 152 Resp: 62060

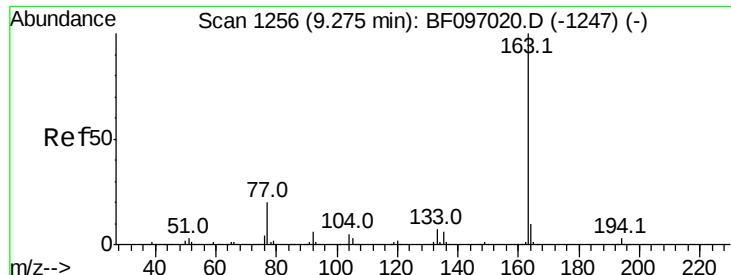
Ion Ratio Lower Upper

152 100

151 39.1 16.8 25.2#

153 91.2 10.8 16.2#

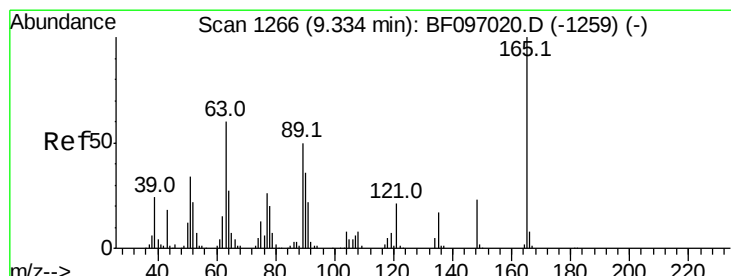
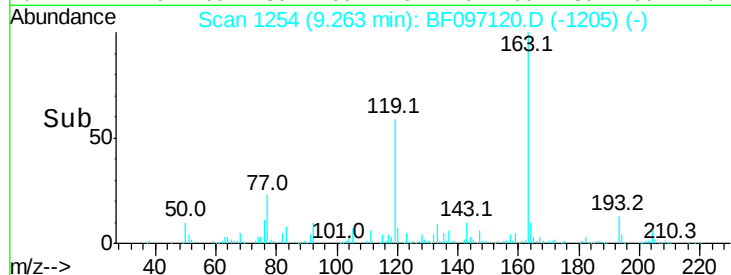
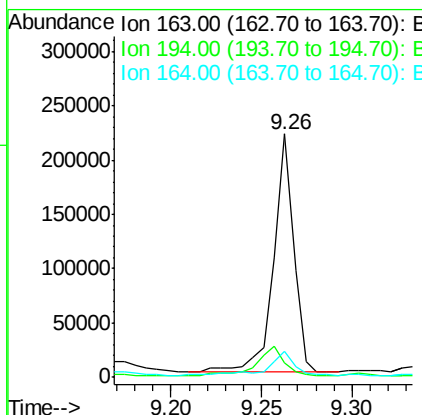
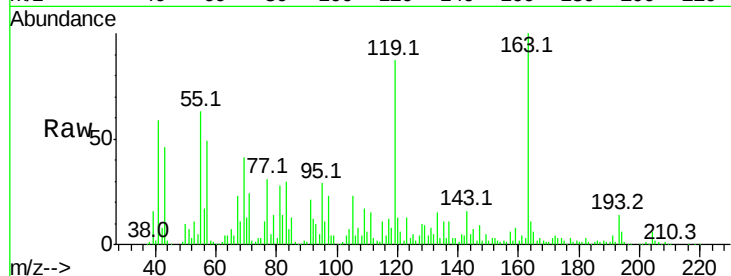




#49
Dimethylphthalate
Concen: 20.842 ng
RT: 9.26 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF097120.D
Acq: 27 Jul 2017 14:10

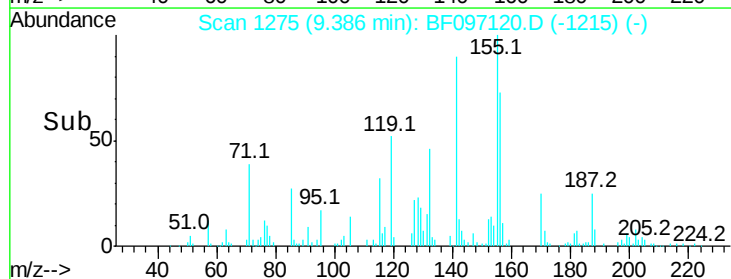
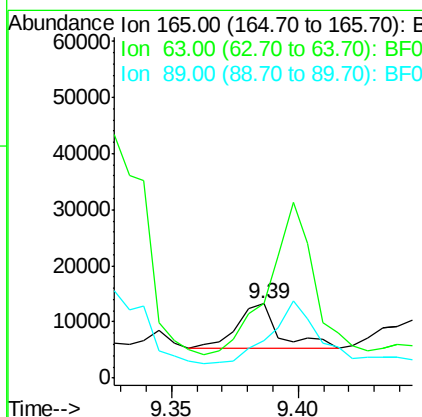
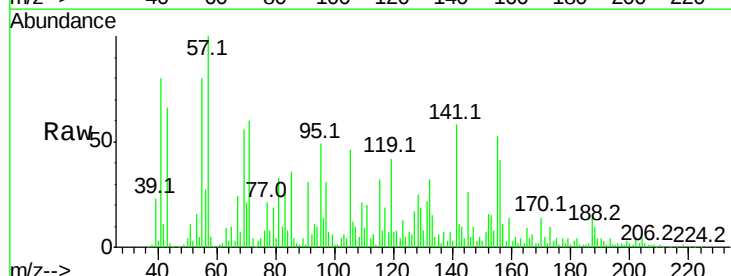
Instrument :
BNA_F
ClientSampleId :
E2-N7-SSW

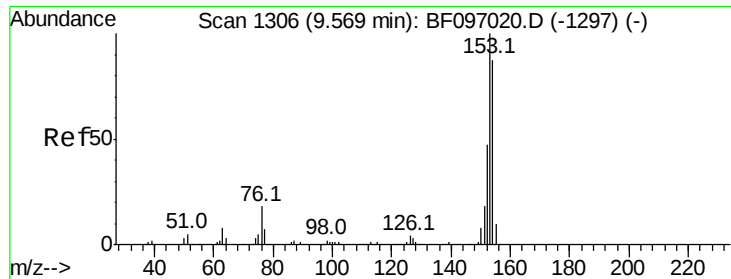
Tot Ion:163 Resp: 168484
Ion Ratio Lower Upper
163 100
194 6.1 2.6 4.0#
164 10.8 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 5.553 ng
RT: 9.39 min Scan# 1275
Delta R.T. 0.05 min
Lab File: BF097120.D
Acq: 27 Jul 2017 14:10

Tgt Ion:165 Resp: 9520
Ion Ratio Lower Upper
165 100
63 100.3 34.3 51.5#
89 51.2 37.1 55.7





#51

Acenaphthene

Concen: 14.602 ng

RT: 9.56 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSW

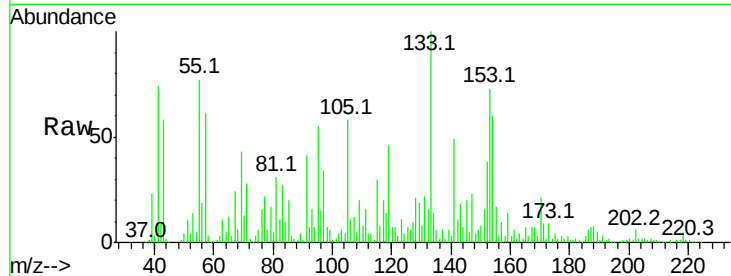
Tot Ion:154 Resp: 88338

Ion Ratio Lower Upper

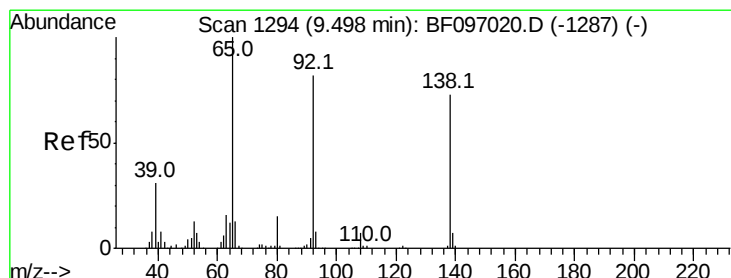
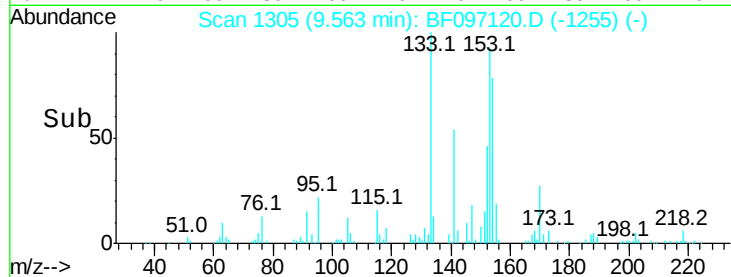
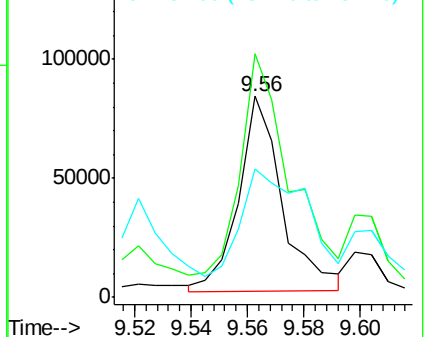
154 100

153 121.0 90.5 135.7

152 63.5 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: 2.262 ng

RT: 9.49 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

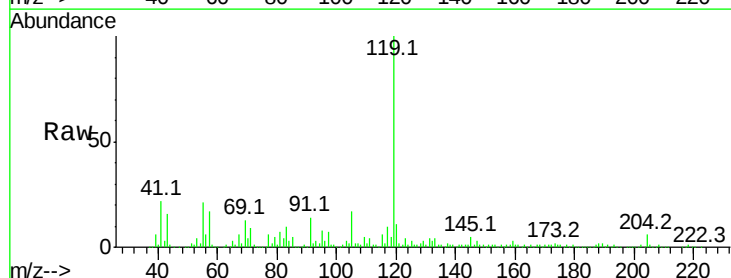
Tgt Ion:138 Resp: 4814

Ion Ratio Lower Upper

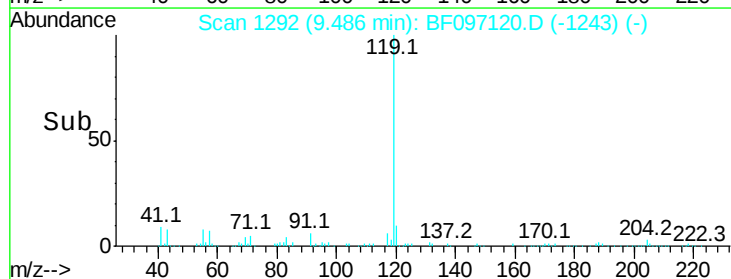
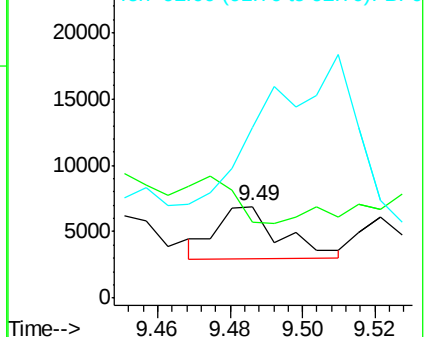
138 100

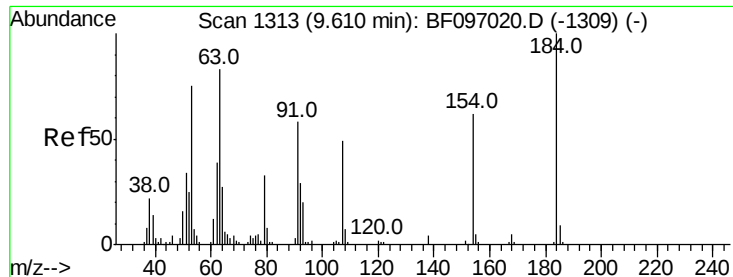
108 82.5 9.1 13.7#

92 185.6 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

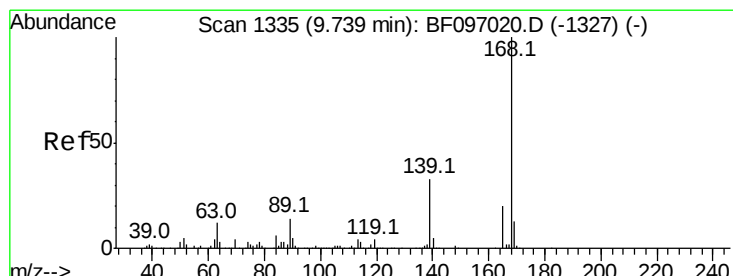
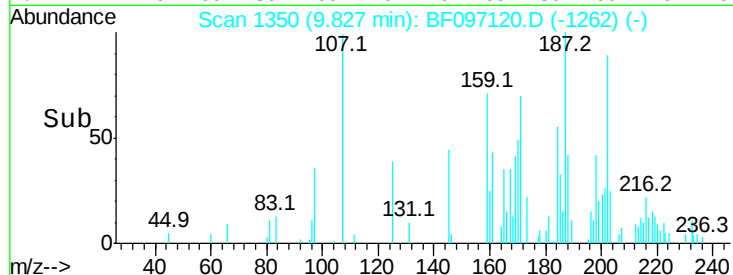
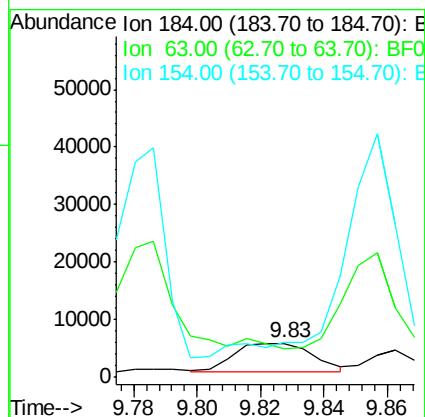
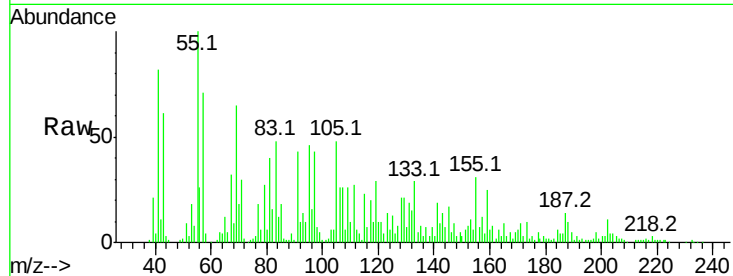




#53
2,4-Dinitrophenol
Concen: 10.786 ng
RT: 9.83 min Scan# 1350
Delta R.T. 0.22 min
Lab File: BF097120.D
Acq: 27 Jul 2017 14:10

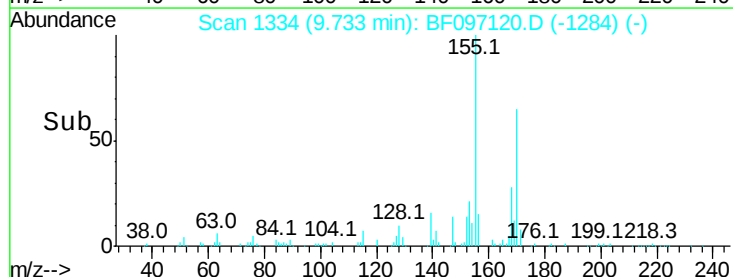
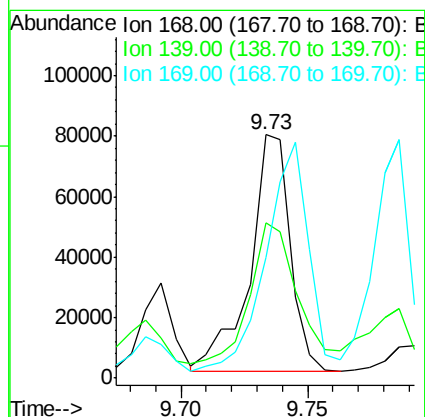
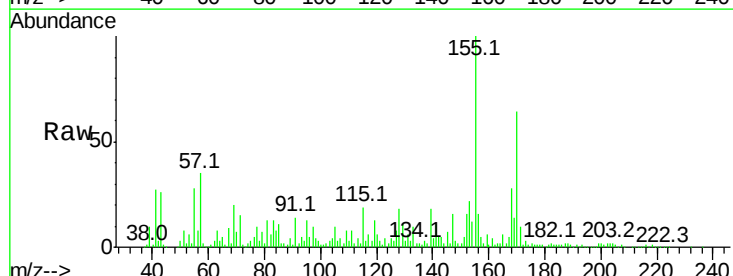
Instrument :
BNA_F
ClientSampleId :
E2-N7-SSW

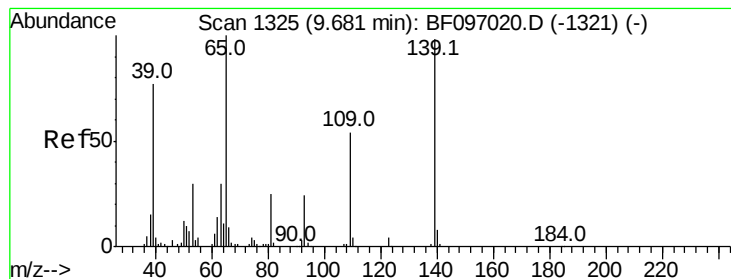
Tot Ion:184 Resp: 8408
Ion Ratio Lower Upper
184 100
63 84.9 62.7 94.1
154 100.7 81.1 121.7



#54
Dibenzofuran
Concen: 10.756 ng
RT: 9.73 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF097120.D
Acq: 27 Jul 2017 14:10

Tgt Ion:168 Resp: 86672
Ion Ratio Lower Upper
168 100
139 63.9 30.6 45.8#
169 49.7 10.8 16.2#





#55

4-Nitrophenol

Concen: 11.070 ng

RT: 9.69 min Scan# 1326

Delta R.T. 0.01 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

Instrument :

BNA_F

ClientSampled :

E2-N7-SSW

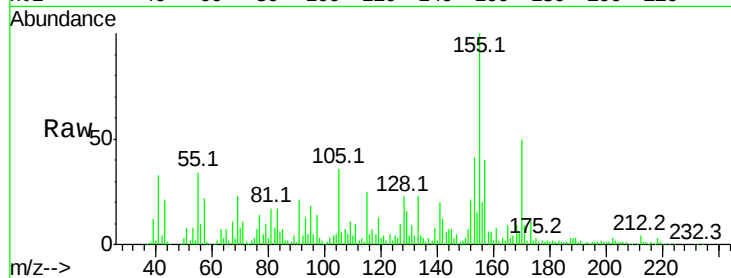
Tot Ion:139 Resp: 14010

Ion Ratio Lower Upper

139 100

109 132.2 34.1 74.1#

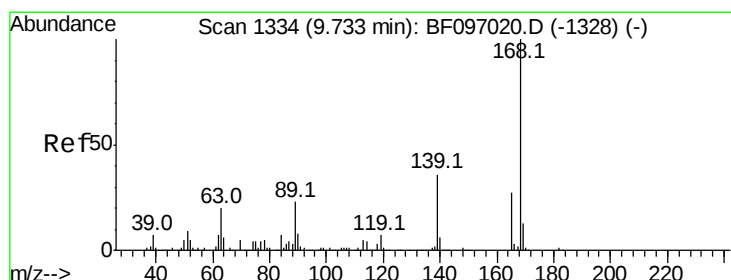
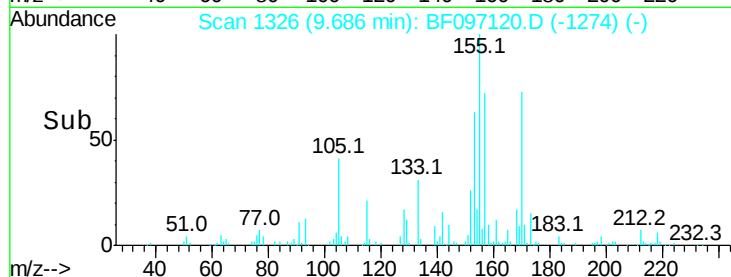
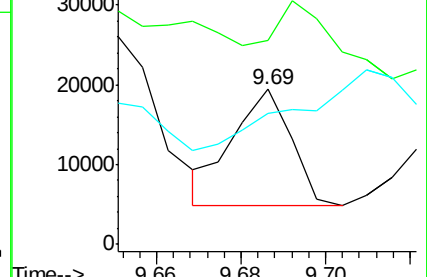
65 84.3 31.4 71.4#



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): BF0



#56

2,4-Dinitrotoluene

Concen: 11.929 ng

RT: 9.75 min Scan# 1336

Delta R.T. 0.01 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

Tgt Ion:165 Resp: 23511

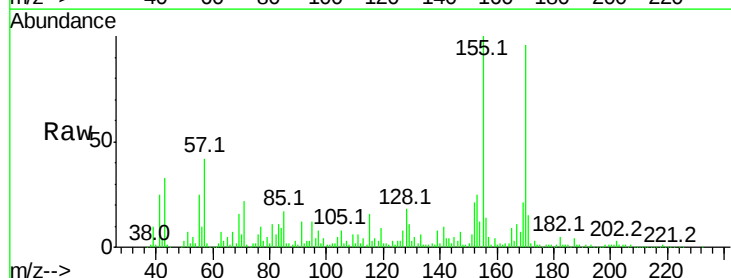
Ion Ratio Lower Upper

165 100

63 73.5 25.4 38.0#

89 37.6 46.4 69.6#

182 50.4 1.8 2.6#

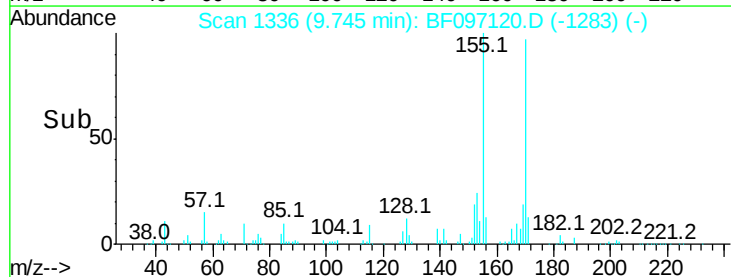
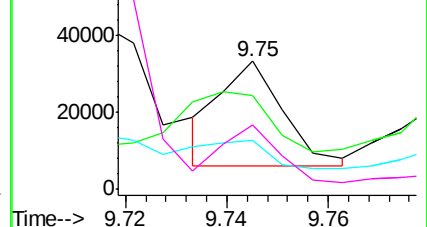


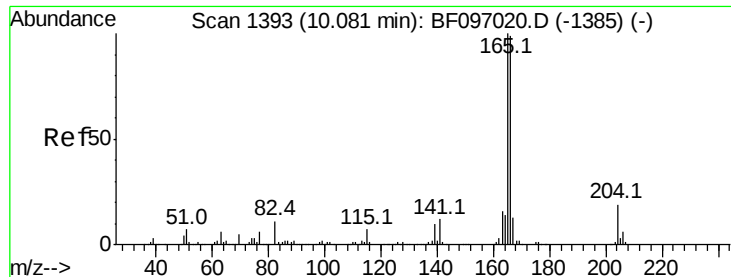
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 21.900 ng

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

Instrument :

BNA_F

ClientSampled :

E2-N7-SSW

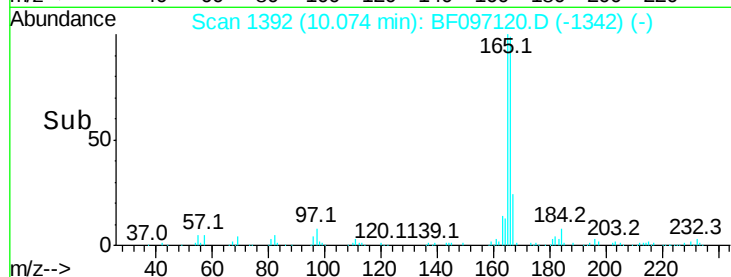
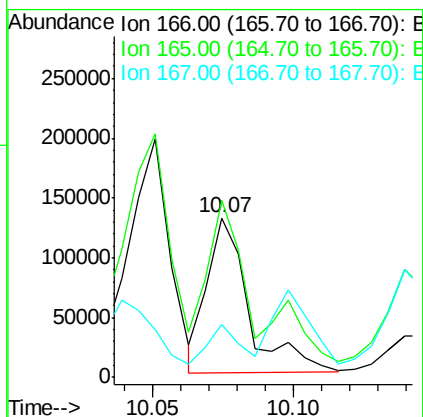
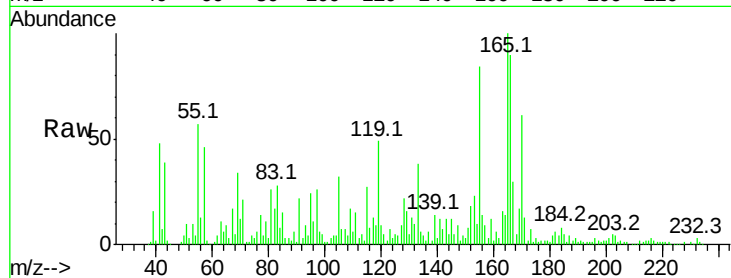
Tot Ion:166 Resp: 132633

Ion Ratio Lower Upper

166 100

165 111.5 78.8 118.2

167 33.0 10.6 16.0#



#58

2,3,4,6-Tetrachlorophenol

Concen: 2.261 ng

RT: 9.84 min Scan# 1352

Delta R.T. -0.02 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

Tgt Ion:232 Resp: 3216

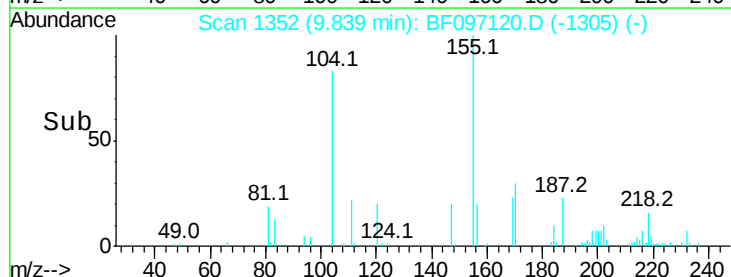
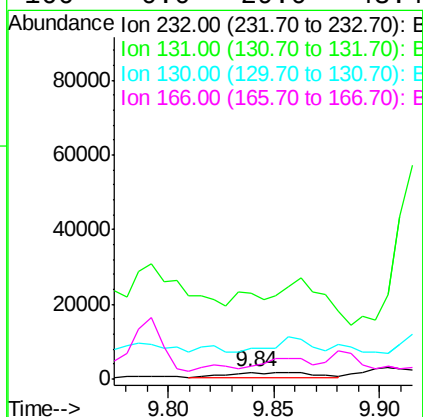
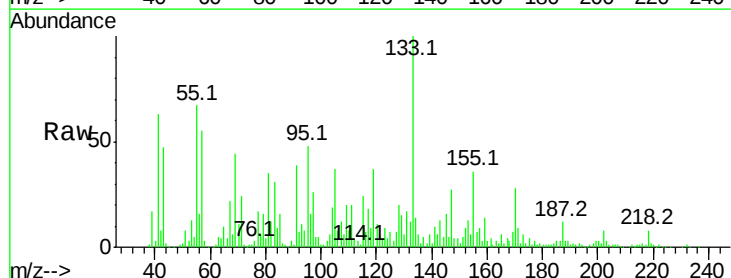
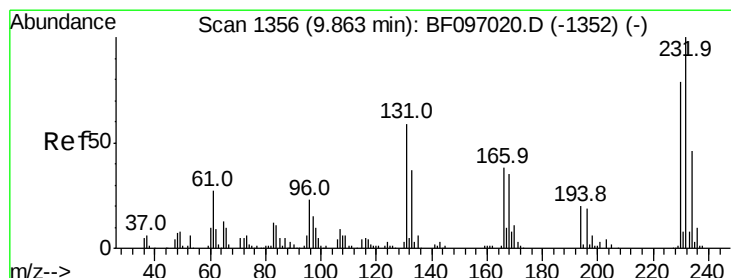
Ion Ratio Lower Upper

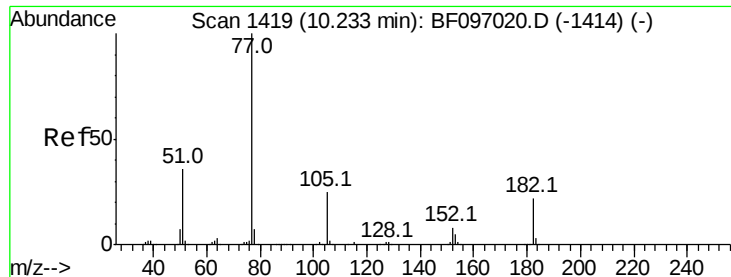
232 100

131 98.7 44.8 67.2#

130 0.0 2.3 3.5#

166 0.0 29.0 43.4#





#62

Azobenzene

Concen: 3.476 ng

RT: 10.23 min Scan# 1419

Delta R.T. -0.00 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSW

Tot Ion: 77 Resp: 23915

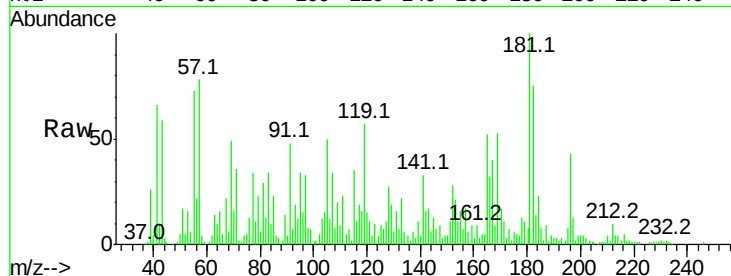
Ion Ratio Lower Upper

77 100

182 221.4 0.1 40.1#

105 148.0 3.6 43.6#

51 49.6 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

150000

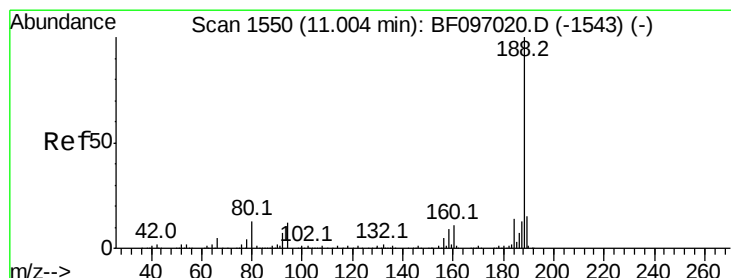
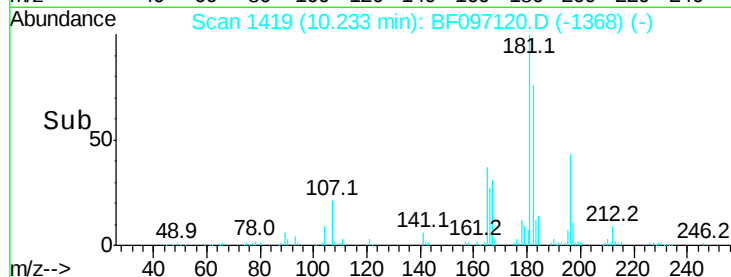
100000

50000

0

10.20 10.25

Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.00 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

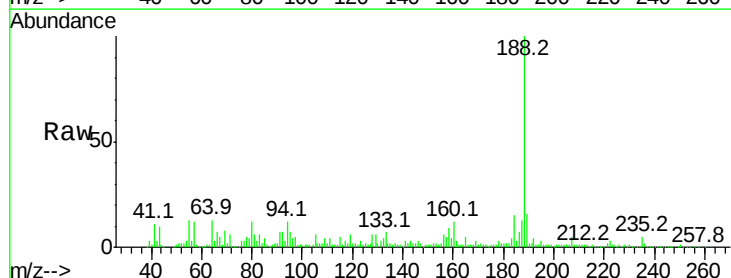
Tgt Ion: 188 Resp: 207963

Ion Ratio Lower Upper

188 100

94 12.3 9.4 14.2

80 12.3 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

300000

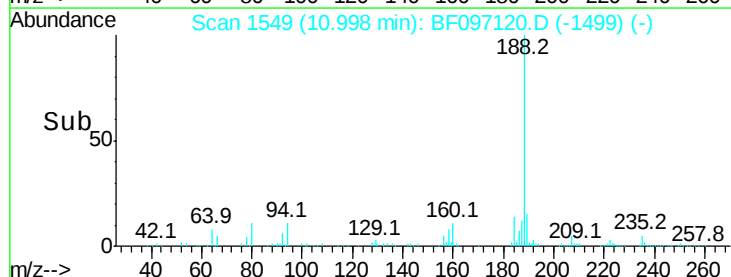
200000

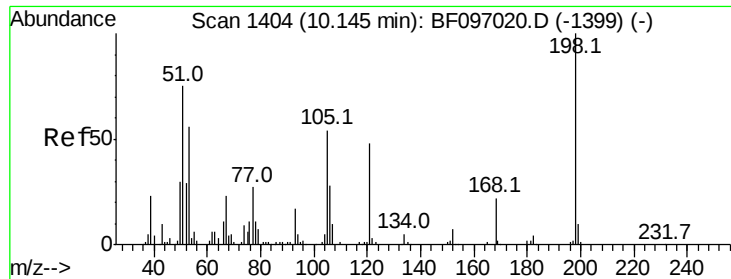
100000

0

10.95 11.00 11.05

Time-->

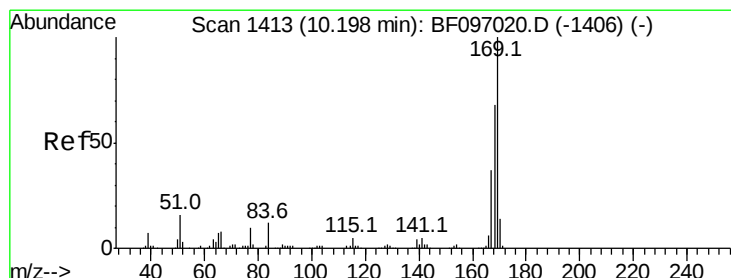
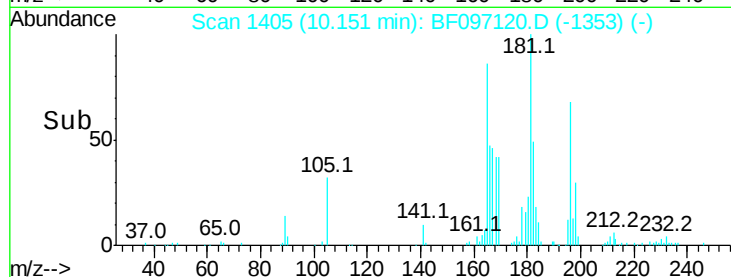
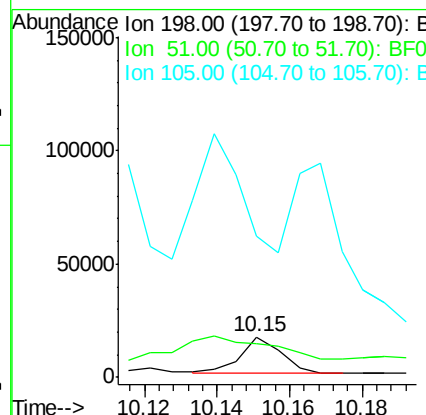
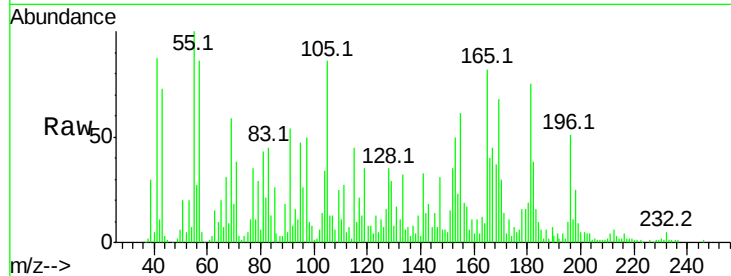




#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.730 ng
 RT: 10.15 min Scan# 1405
 Delta R.T. 0.01 min
 Lab File: BF097120.D
 Acq: 27 Jul 2017 14:10

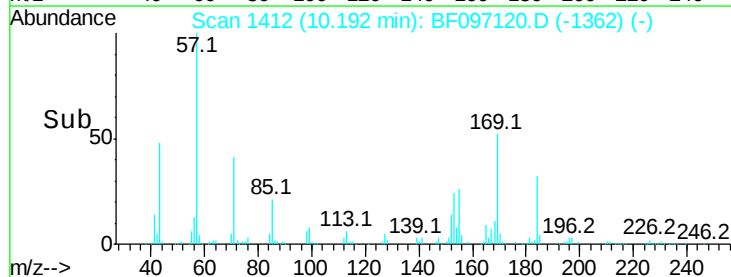
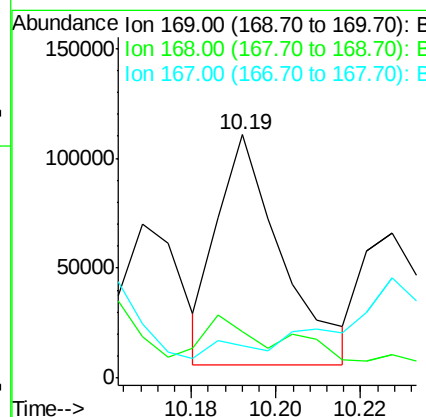
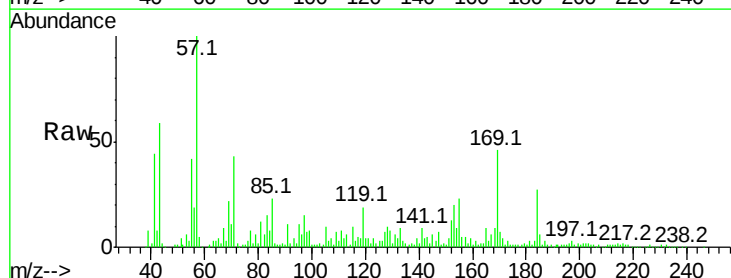
Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-SSW

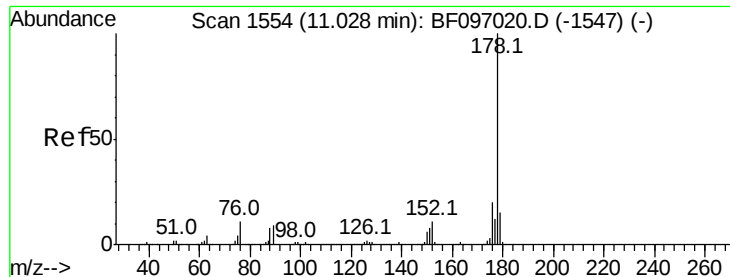
Tot Ion:198 Resp: 12574
 Ion Ratio Lower Upper
 198 100
 51 82.9 53.2 93.2
 105 347.3 45.8 85.8#



#65
 n-Nitrosodiphenylamine
 Concen: 15.200 ng
 RT: 10.19 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF097120.D
 Acq: 27 Jul 2017 14:10

Tgt Ion:169 Resp: 109982
 Ion Ratio Lower Upper
 169 100
 168 18.9 53.2 79.8#
 167 13.5 29.5 44.3#

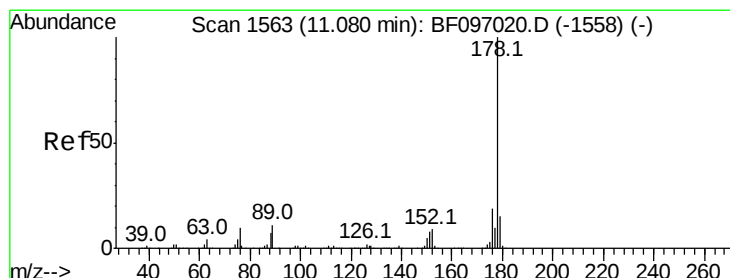
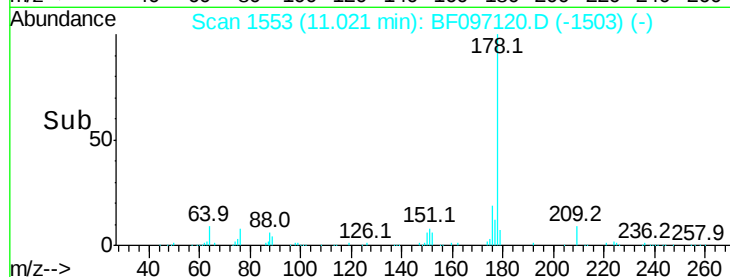
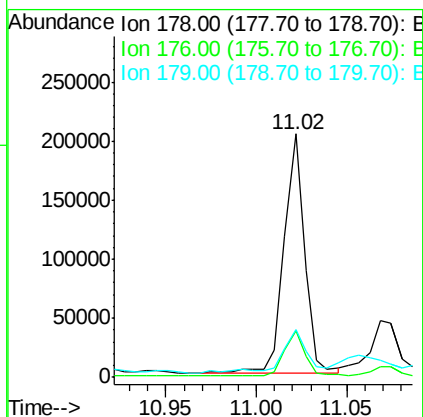
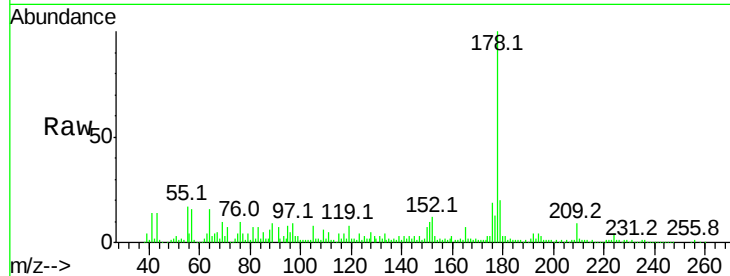




#70
Phenanthrene
Concen: 14.649 ng
RT: 11.02 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF097120.D
Acq: 27 Jul 2017 14:10

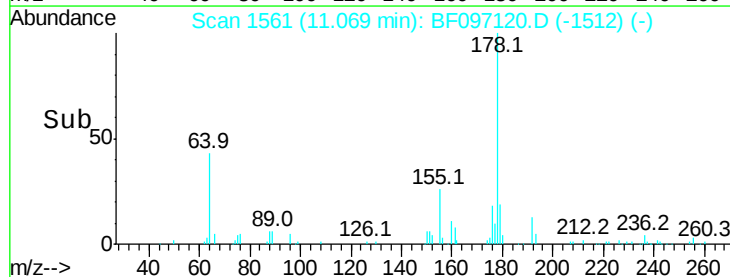
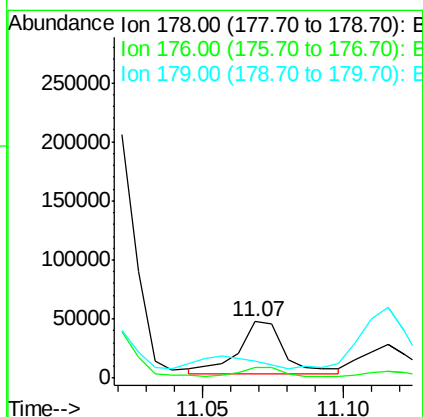
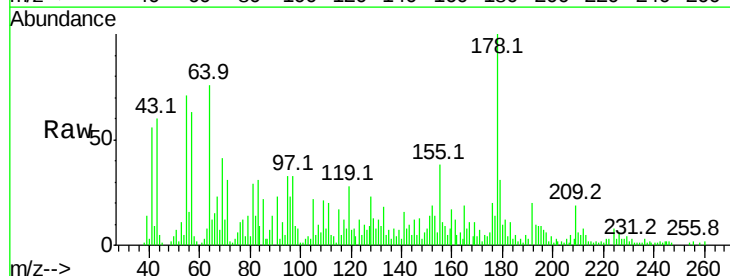
Instrument :
BNA_F
ClientSampleId :
E2-N7-SSW

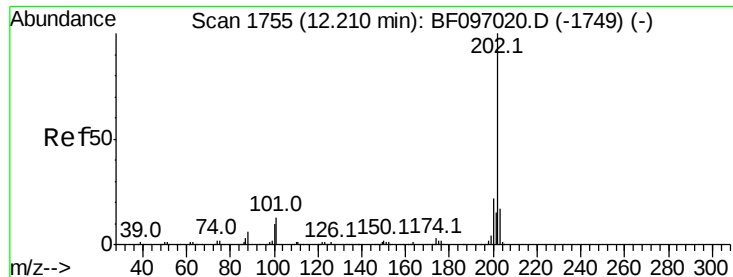
Tot Ion:178 Resp: 163227
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.4
179 19.6 12.6 19.0#



#71
Anthracene
Concen: 4.600 ng
RT: 11.07 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF097120.D
Acq: 27 Jul 2017 14:10

Tgt Ion:178 Resp: 52499
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 31.1 12.7 19.1#





#74

Fluoranthene

Concen: 17.438 ng

RT: 12.20 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSW

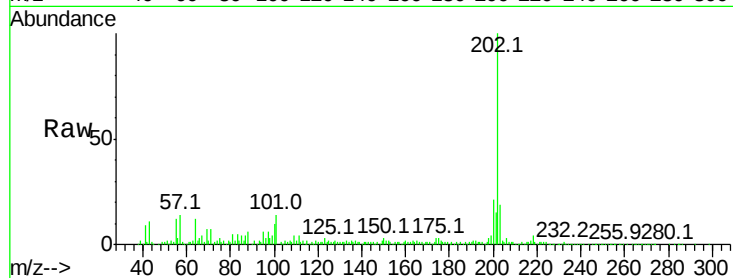
Tot Ion:202 Resp: 190355

Ion Ratio Lower Upper

202 100

101 14.2 0.0 33.2

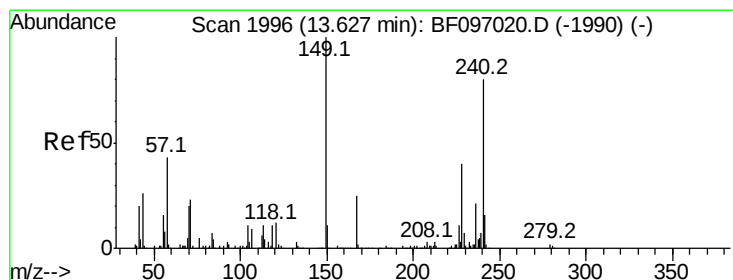
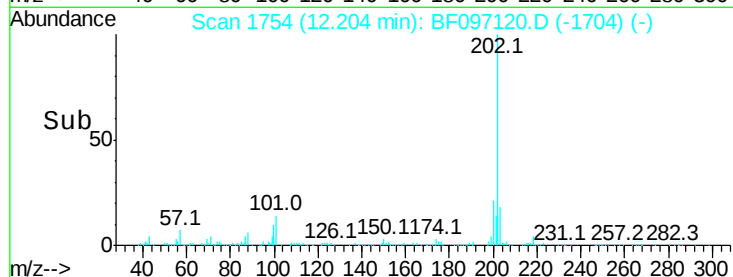
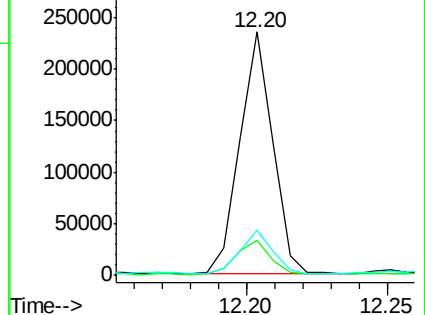
203 18.5 0.0 38.1



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: 20.000 ng

RT: 13.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

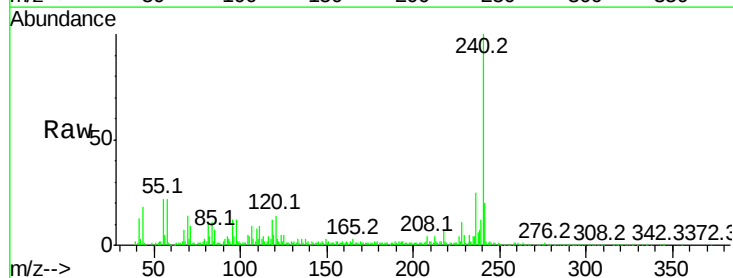
Tgt Ion:240 Resp: 186858

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

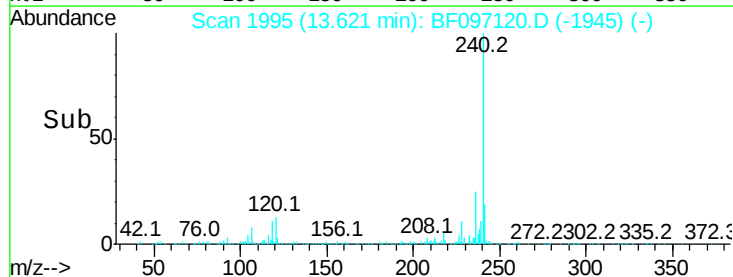
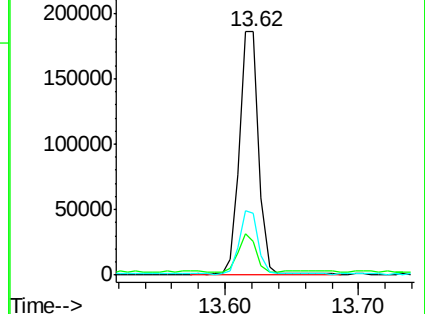
236 25.4 20.5 30.7

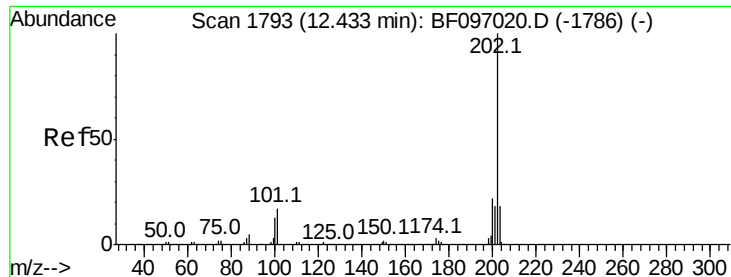


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

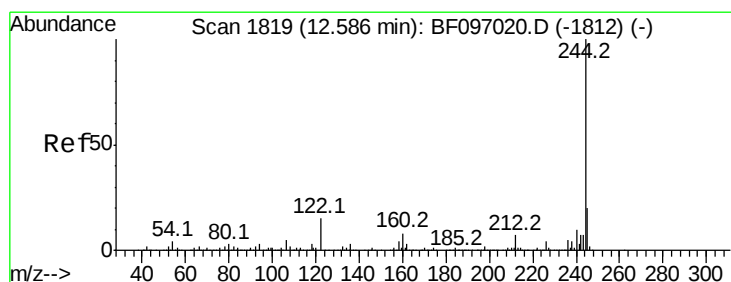
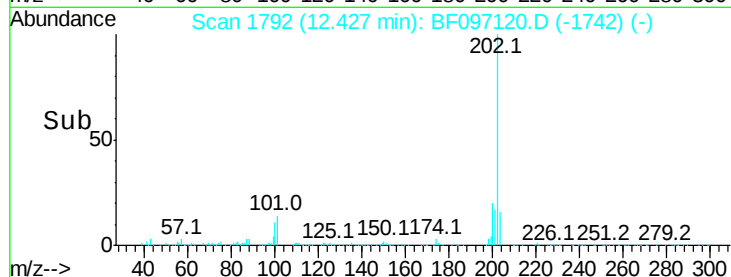
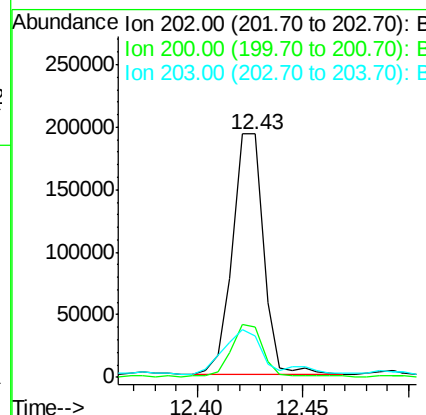
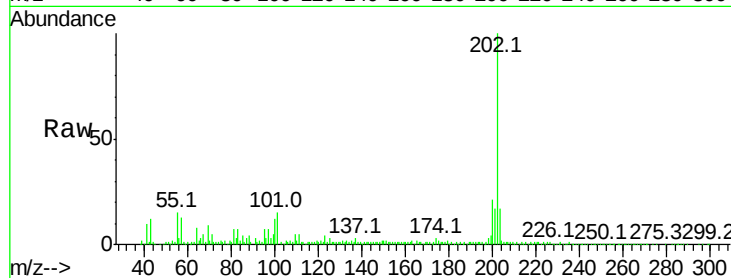




#77
Pvrene
Concen: 12.804 ng
RT: 12.43 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF097120.D
Acq: 27 Jul 2017 14:10

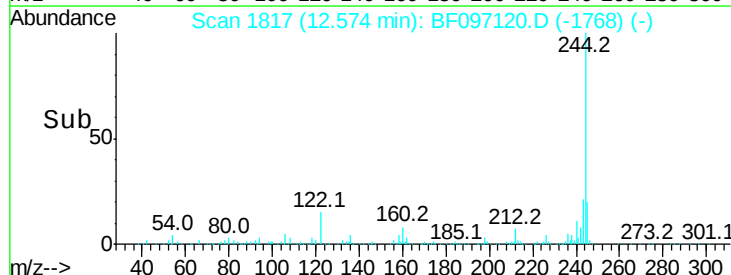
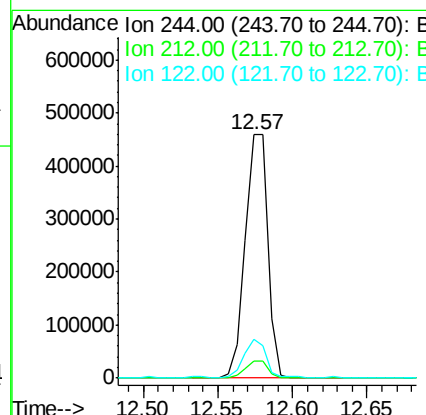
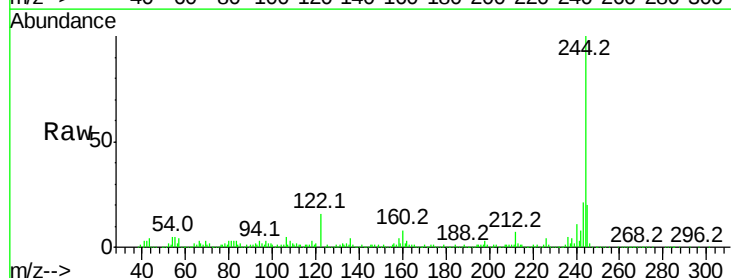
Instrument :
BNA_F
ClientSampleId :
E2-N7-SSW

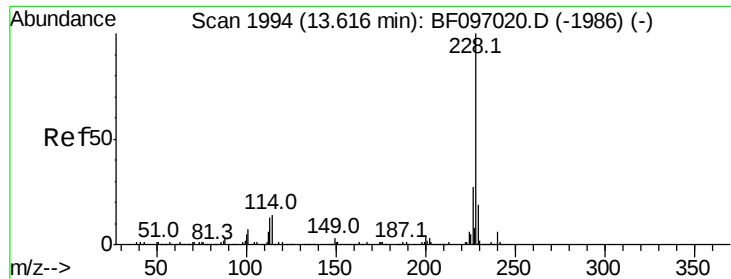
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.6	26.4
203	17.0	14.4	21.6



#78
Terphenyl-d14
Concen: 52.915 ng
RT: 12.57 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF097120.D
Acq: 27 Jul 2017 14:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	15.8	10.3	15.5

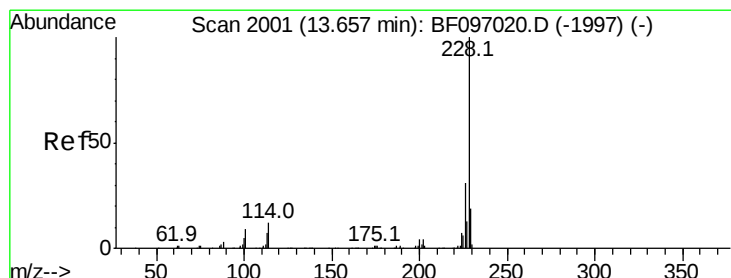
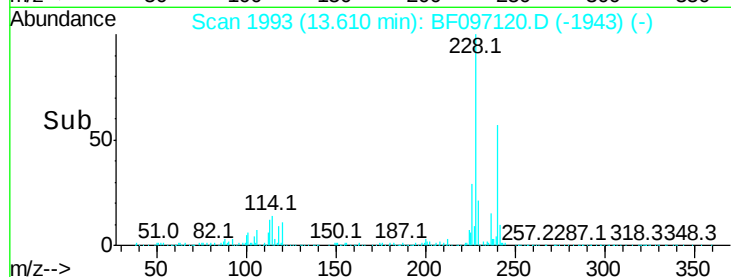
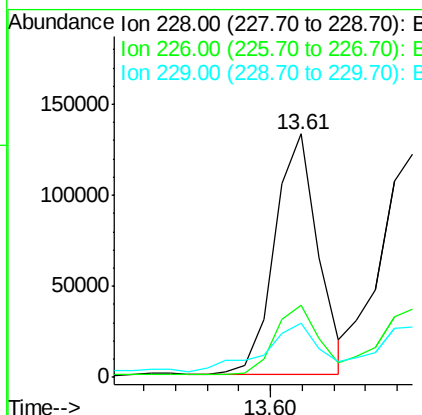
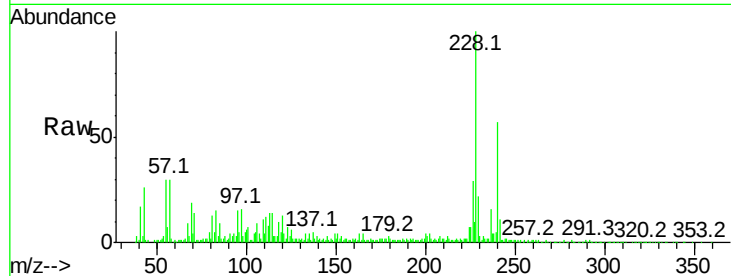




#80
Benzo(a)anthracene
Concen: 10.460 ng
RT: 13.61 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF097120.D
Acq: 27 Jul 2017 14:10

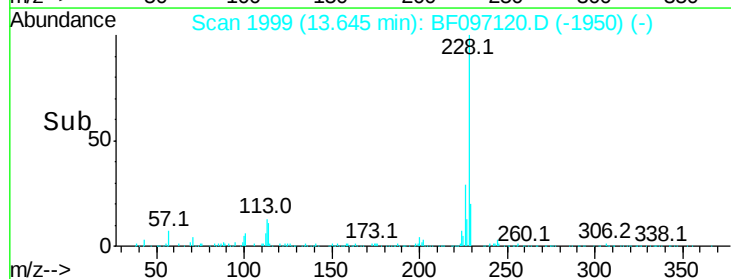
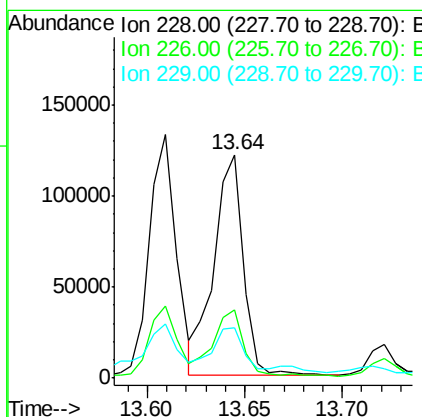
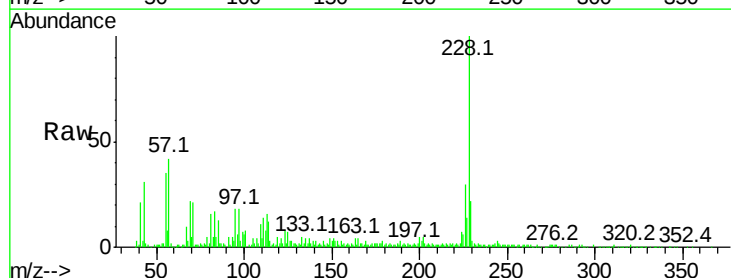
Instrument :
BNA_F
ClientSampleId :
E2-N7-SSW

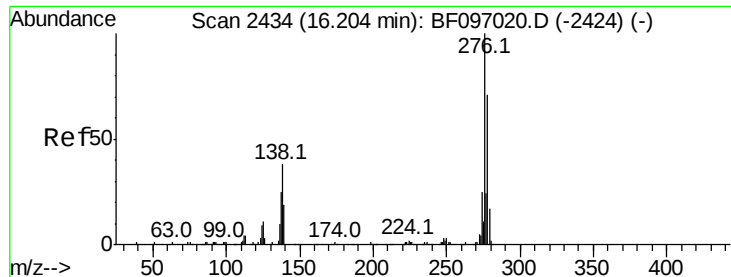
Tot Ion:228 Resp: 126471
Ion Ratio Lower Upper
228 100
226 29.4 22.6 33.8
229 22.4 16.3 24.5



#82
Chrysene
Concen: 10.842 ng
RT: 13.64 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF097120.D
Acq: 27 Jul 2017 14:10

Tgt Ion:228 Resp: 127999
Ion Ratio Lower Upper
228 100
226 30.4 24.9 37.3
229 22.3 15.8 23.6

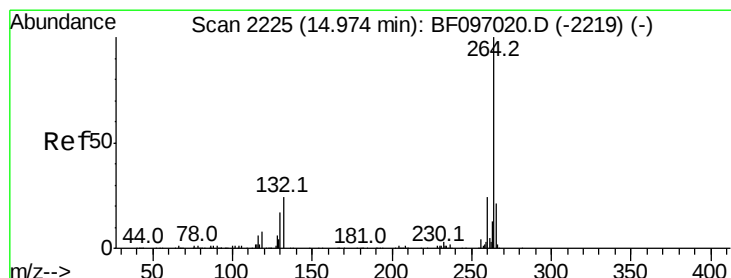
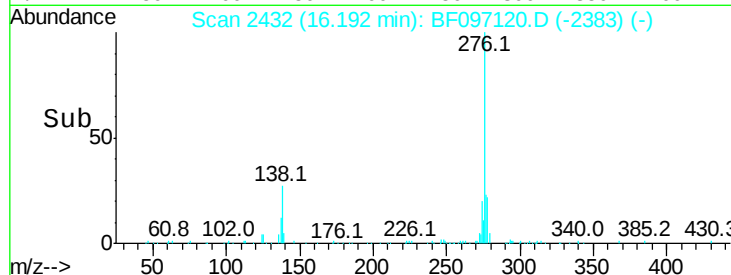
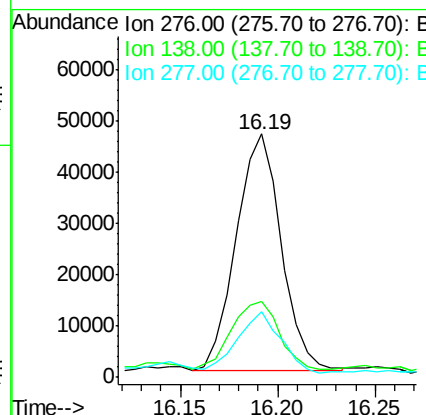
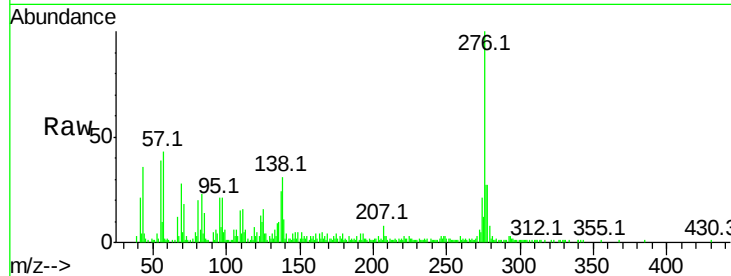




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.249 ng
 RT: 16.19 min Scan# 2432
 Delta R.T. -0.01 min
 Lab File: BF097120.D
 Acq: 27 Jul 2017 14:10

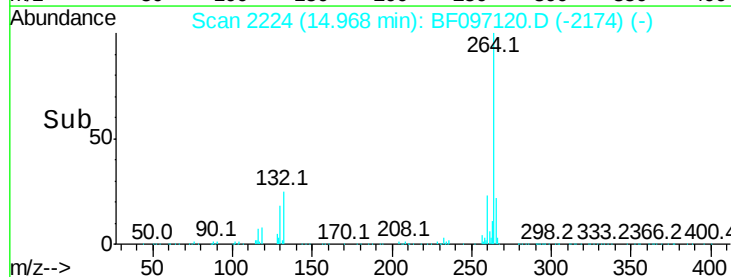
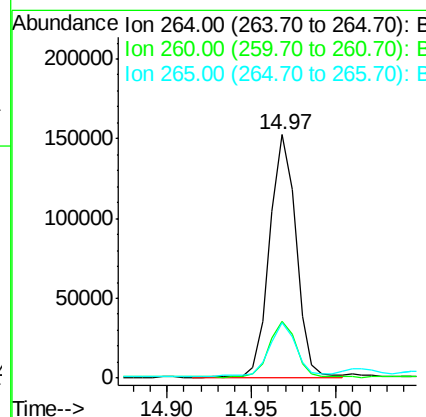
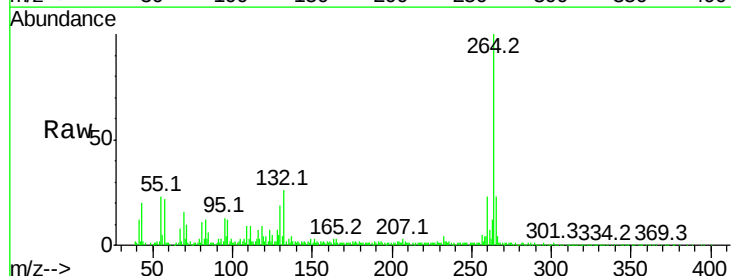
Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-SSW

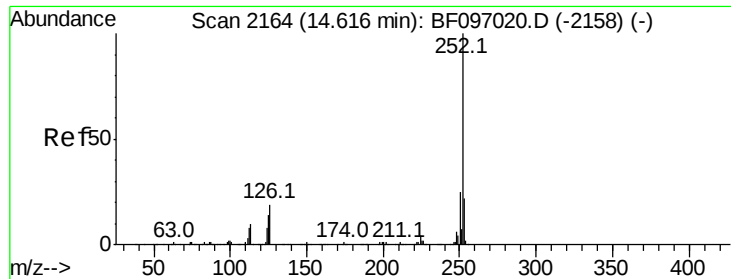
Tot Ion:276 Resp: 73381
 Ion Ratio Lower Upper
 276 100
 138 30.9 27.8 41.6
 277 24.3 20.2 30.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.97 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BF097120.D
 Acq: 27 Jul 2017 14:10

Tgt Ion:264 Resp: 165303
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.5 29.3
 265 22.6 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 23.628 ng

RT: 14.61 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BF097120.D

Acq: 27 Jul 2017 14:10

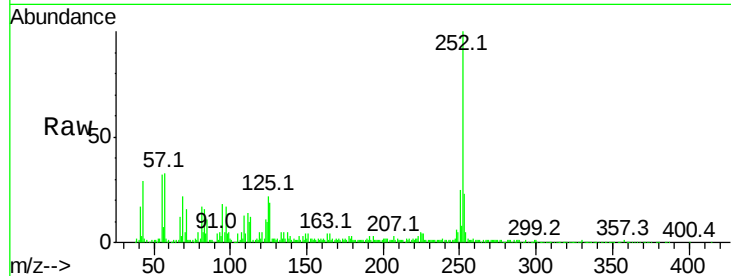
Instrument :

BNA_F

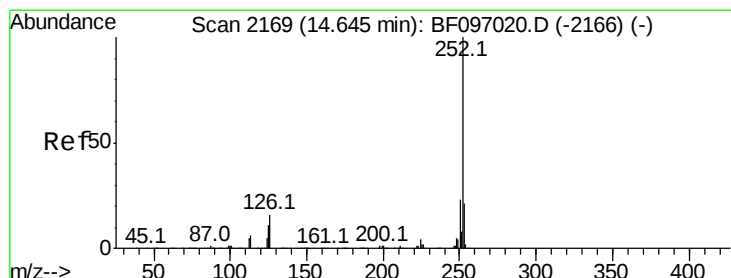
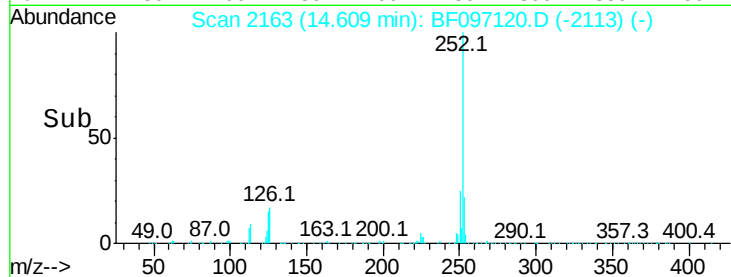
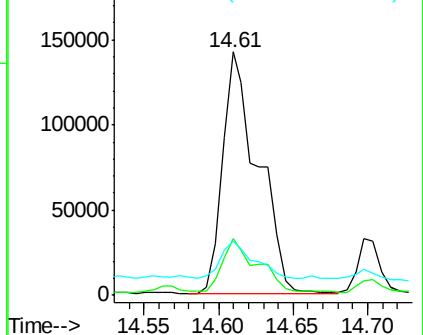
ClientSampleId :

E2-N7-SSW

Tot Ion:	252	Resp:	234785
Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	22.2	9.8	14.8#



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



#88

Benzo(k)fluoranthene

Concen: 24.796 ng

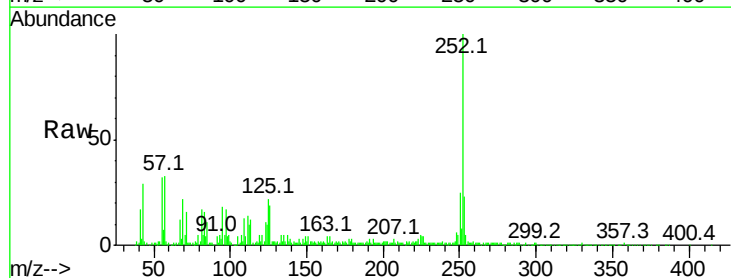
RT: 14.61 min Scan# 2163

Delta R.T. -0.04 min

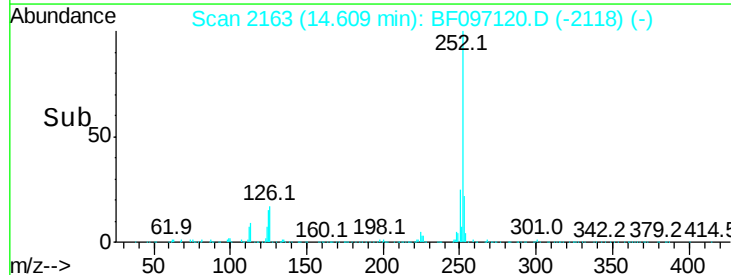
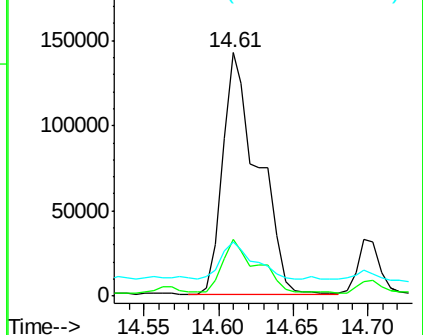
Lab File: BF097120.D

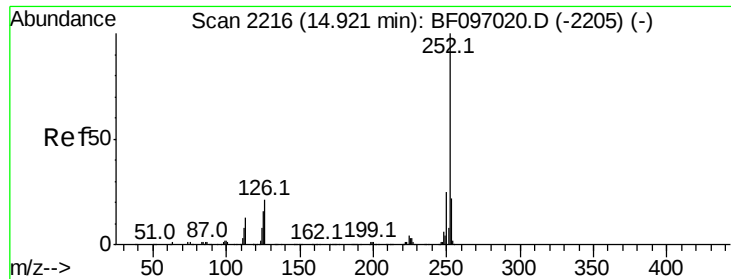
Acq: 27 Jul 2017 14:10

Tgt Ion:	252	Resp:	234785
Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	22.2	13.1	19.7#



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

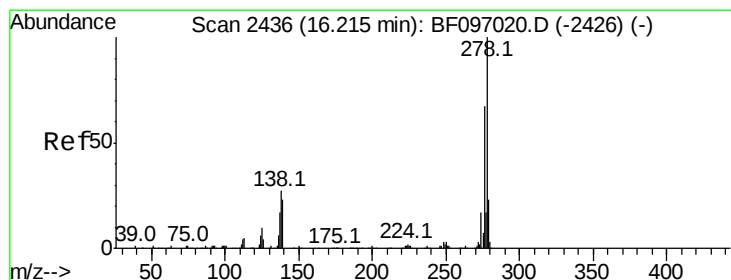
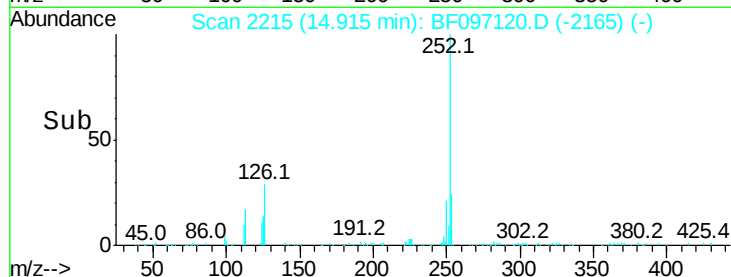
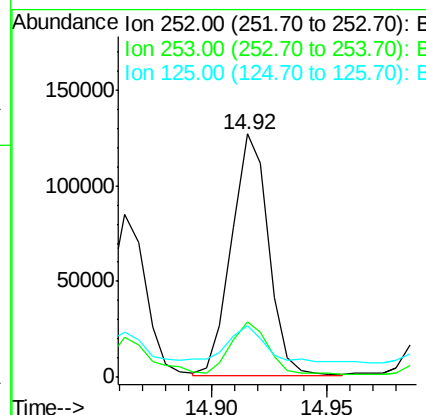
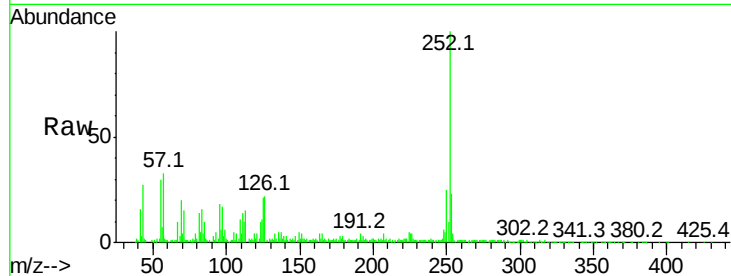




#89
Benzo(a)pyrene
Concen: 15.443 ng
RT: 14.92 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF097120.D
Acq: 27 Jul 2017 14:10

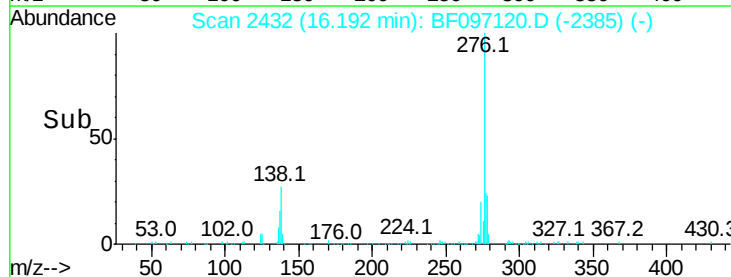
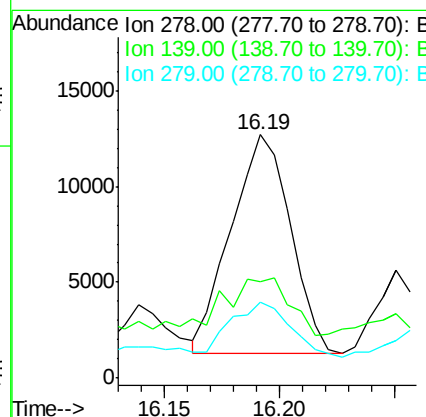
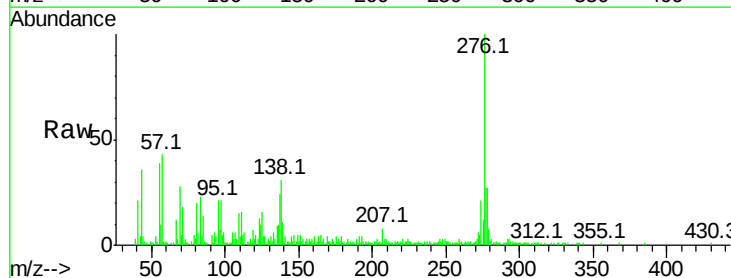
Instrument :
BNA_F
ClientSampleId :
E2-N7-SSW

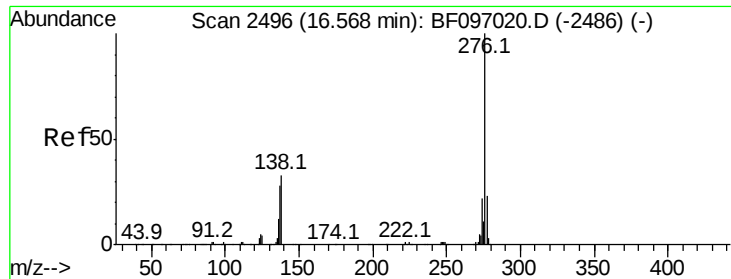
Tot Ion:252 Resp: 140448
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 21.4 11.0 16.4#



#90
Dibenzo(a,h)anthracene
Concen: 2.749 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.02 min
Lab File: BF097120.D
Acq: 27 Jul 2017 14:10

Tgt Ion:278 Resp: 20499
Ion Ratio Lower Upper
278 100
139 39.5 16.6 24.8#
279 31.2 19.3 28.9#

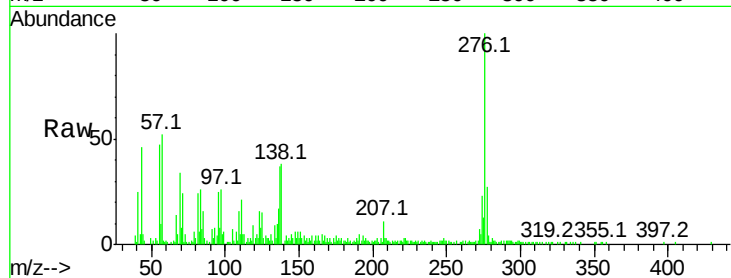




#91
 Benzo(a,h,i)perylene
 Concen: 9.821 ng
 RT: 16.55 min Scan# 2493
 Delta R.T. -0.02 min
 Lab File: BF097120.D
 Acq: 27 Jul 2017 14:10

Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-SSW

Tot Ion:276 Resp: 76807
 Ion Ratio Lower Upper
 276 100
 277 27.0 18.6 28.0
 138 37.7 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

