

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097146.D
 Acq On : 28 Jul 2017 11:25
 Operator : SJ/JU
 Sample : I4444-10 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-072517-D

Quant Time: Jul 28 13:20:42 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	110736	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	490968	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	198381	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	301970	20.00	ng	-0.01
75) Chrysene-d12	13.62	240	183284	20.00	ng	0.00
86) Perylene-d12	14.97	264	196588	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.08	112	158823	21.62	ng	-0.02
7) Phenol-d6	6.15	99	190923	22.77	ng	-0.02
23) Nitrobenzene-d5	7.05	82	124924	14.93	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	32541	20.76	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	189483	16.21	ng	-0.02
78) Terphenyl-d14	12.57	244	104584	11.63	ng	-0.02

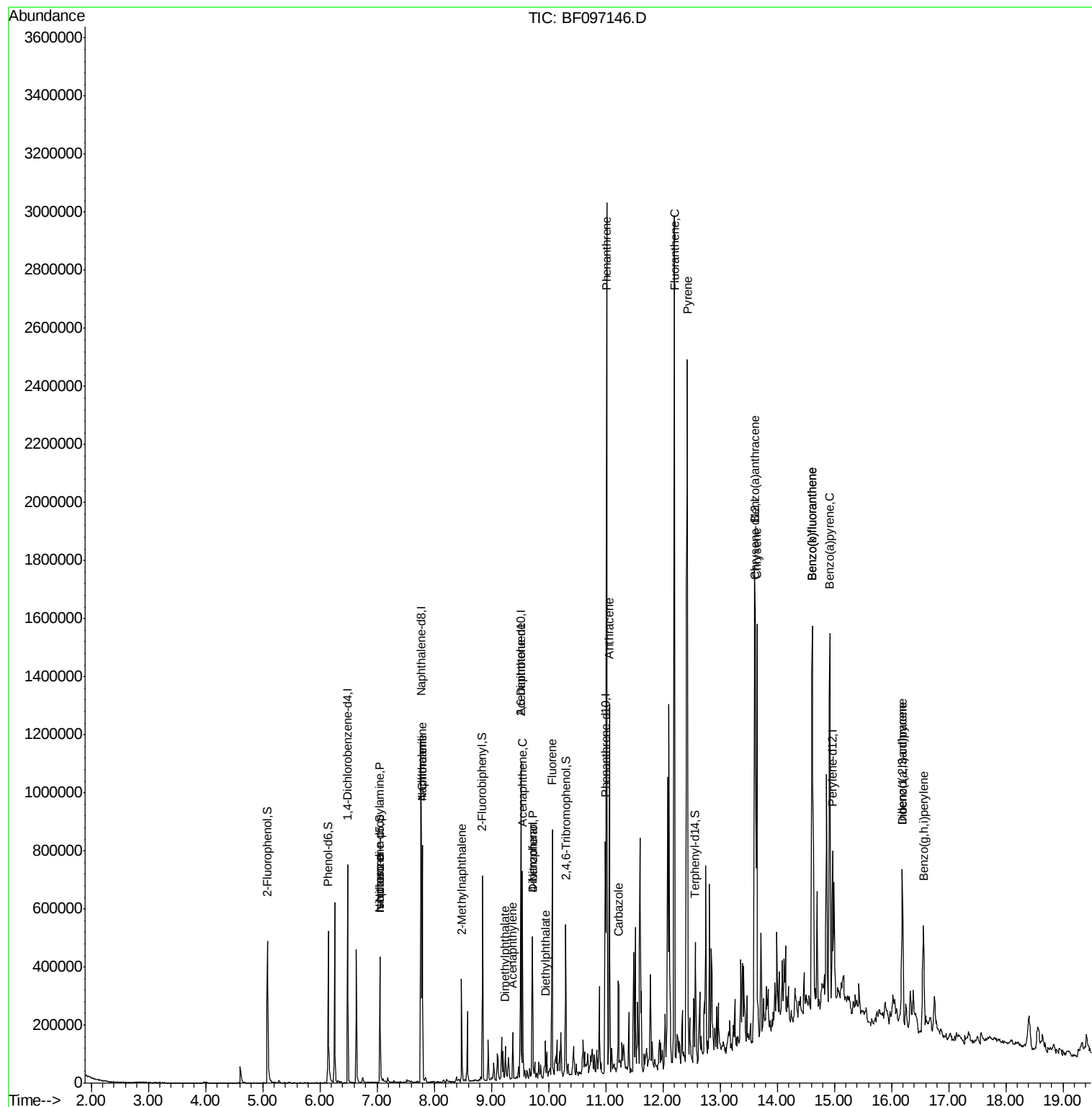
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.05	70	16519	2.993	ng	# 84
25) Isophorone	7.05	82	124923	7.622	ng	# 67
31) Naphthalene	7.79	128	341205	14.743	ng	# 99
33) 4-Chloroaniline	7.79	127	44210	4.695	ng	# 29
37) 2-Methylnaphthalene	8.48	142	92310	6.300	ng	# 98
48) Acenaphthylene	9.37	152	52184	2.727	ng	# 95
49) Dimethylphthalate	9.25	163	30561	2.029	ng	# 99
50) 2,6-Dinitrotoluene	9.52	165	28918	9.051	ng	# 35
51) Acenaphthene	9.55	154	138871	12.318	ng	# 99
54) Dibenzofuran	9.72	168	186397	12.413	ng	# 96
55) 4-Nitrophenol	9.72	139	69654	29.533	ng	# 28
57) Fluorene	10.06	166	246337	21.826	ng	# 98
59) Diethylphthalate	9.95	149	34991	2.532	ng	# 99
70) Phenanthrene	11.02	178	1201924	74.286	ng	# 99
71) Anthracene	11.07	178	469064	28.306	ng	# 99
72) Carbazole	11.23	167	121447	7.452	ng	# 98
74) Fluoranthene	12.20	202	1332090	84.041	ng	# 98
77) Pyrene	12.43	202	1163515	77.543	ng	# 99
80) Benzo(a)anthracene	13.61	228	622496	52.490	ng	# 98
82) Chrysene	13.64	228	502812	43.420	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.19	276	309699	31.189	ng	# 92
87) Benzo(b)fluoranthene	14.62	252	969482	82.039	ng	# 97
88) Benzo(k)fluoranthene	14.62	252	969482	86.093	ng	# 98
89) Benzo(a)pyrene	14.92	252	534919	49.459	ng	# 98
90) Dibenzo(a,h)anthracene	16.20	278	81504	9.190	ng	# 96
91) Benzo(g,h,i)perylene	16.56	276	256774	27.607	ng	# 97

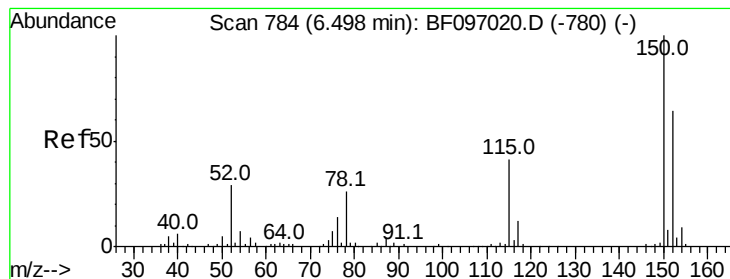
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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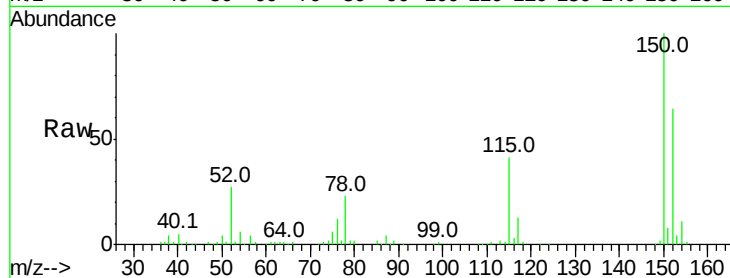


#1

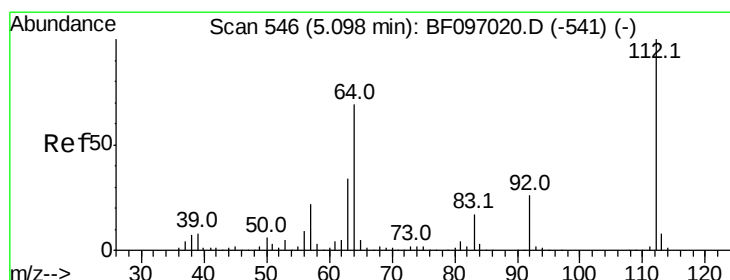
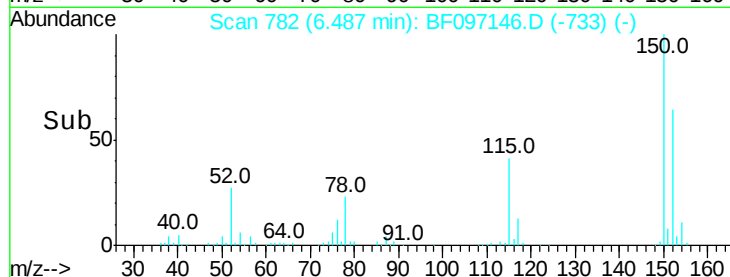
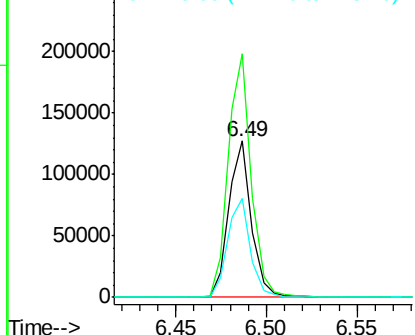
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.49 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF097146.D
 Acq: 28 Jul 2017 11:25

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-072517-D

Tot Ion:152 Resp: 110736
 Ion Ratio Lower Upper
 152 100
 150 155.8 126.2 189.2
 115 63.5 52.2 78.2



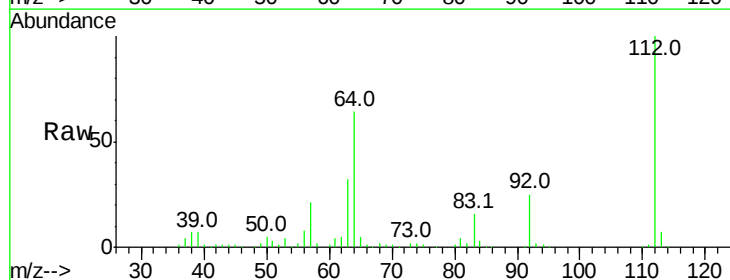
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



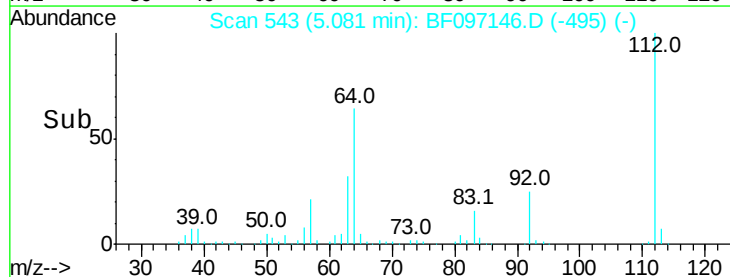
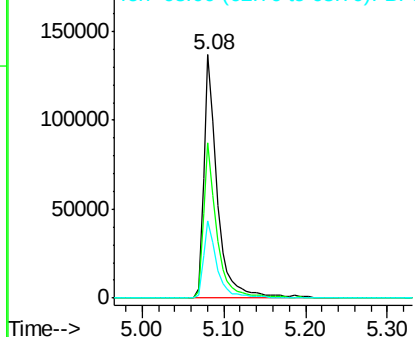
#5

2-Fluorophenol
 Concen: 21.621 ng
 RT: 5.08 min Scan# 543
 Delta R.T. -0.02 min
 Lab File: BF097146.D
 Acq: 28 Jul 2017 11:25

Tgt Ion:112 Resp: 158823
 Ion Ratio Lower Upper
 112 100
 64 64.0 46.0 69.0
 63 31.6 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





#7

Phenol-d6

Concen: 22.767 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

Instrument :

BNA_F

ClientSampleId :

EO-02-072517-D

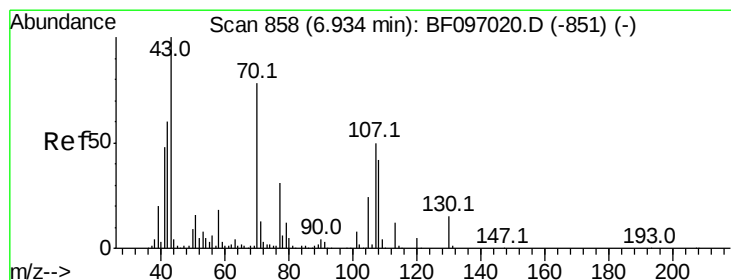
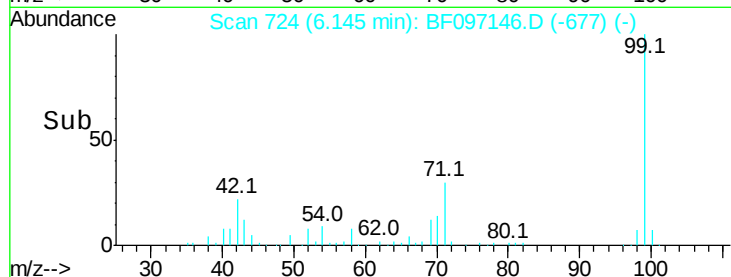
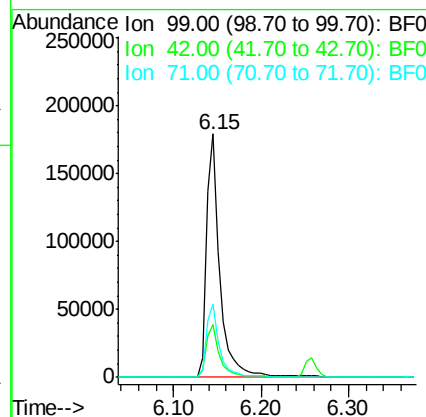
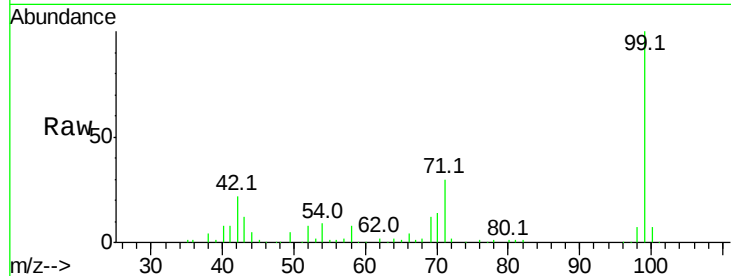
Tot Ion: 99 Resp: 190923

Ion Ratio Lower Upper

99 100

42 21.8 13.5 20.3#

71 30.3 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.993 ng

RT: 7.05 min Scan# 878

Delta R.T. 0.12 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

Tgt Ion: 70 Resp: 16519

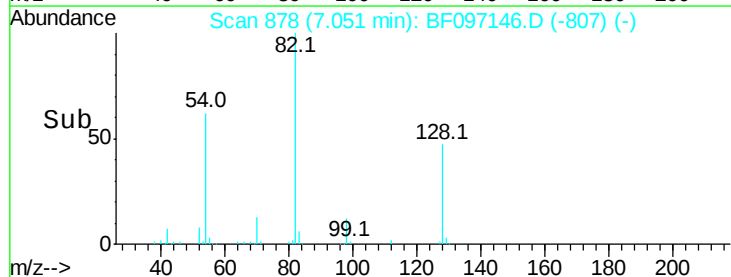
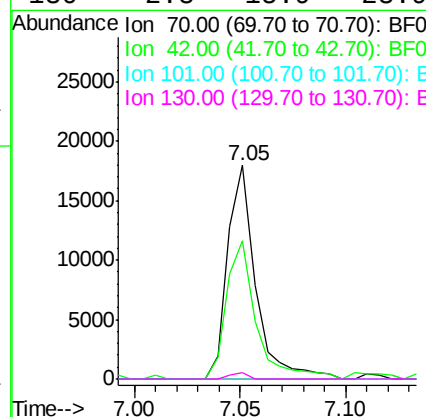
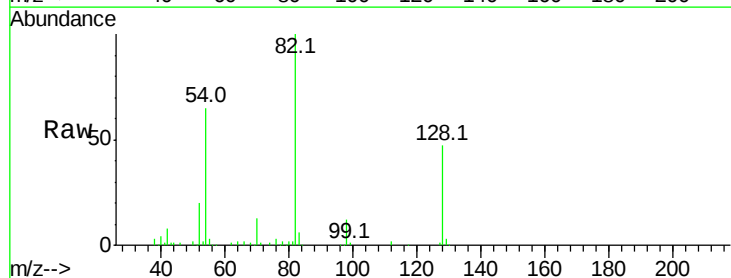
Ion Ratio Lower Upper

70 100

42 64.7 47.2 70.8

101 0.0 7.2 10.8#

130 2.8 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.77 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

Instrument :

BNA_F

ClientSampleId :

EO-02-072517-D

Tot Ion:136 Resp: 490968

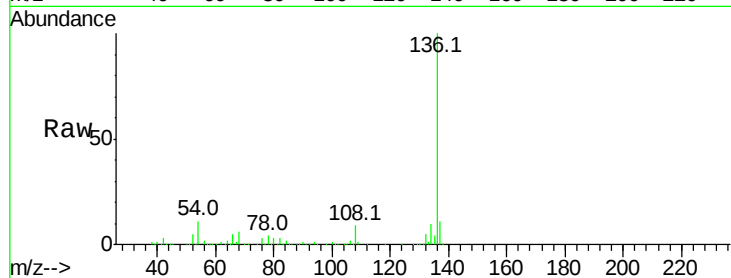
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 10.8 4.9 7.3#

68 5.7 4.1 6.1

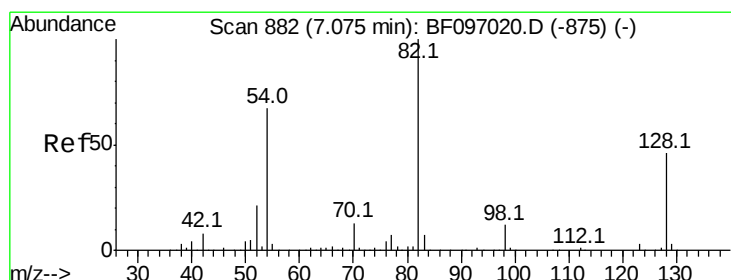
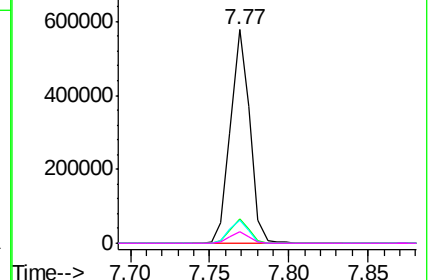
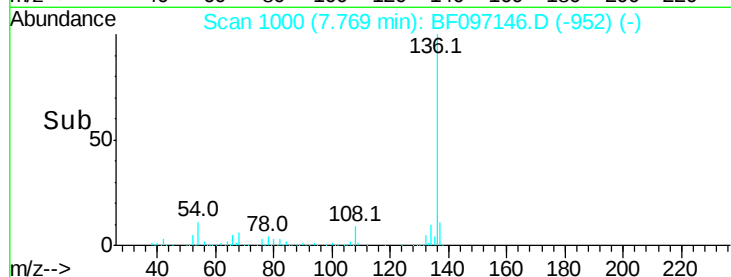


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 14.927 ng

RT: 7.05 min Scan# 878

Delta R.T. -0.02 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

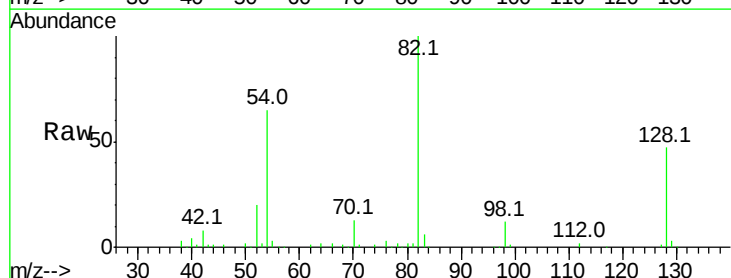
Tgt Ion: 82 Resp: 124924

Ion Ratio Lower Upper

82 100

128 47.3 34.0 51.0

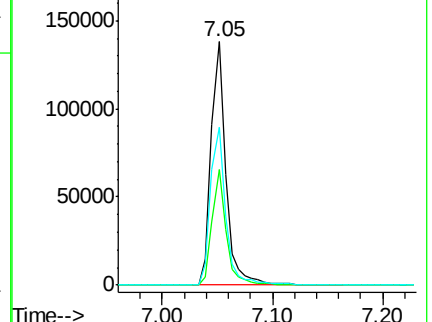
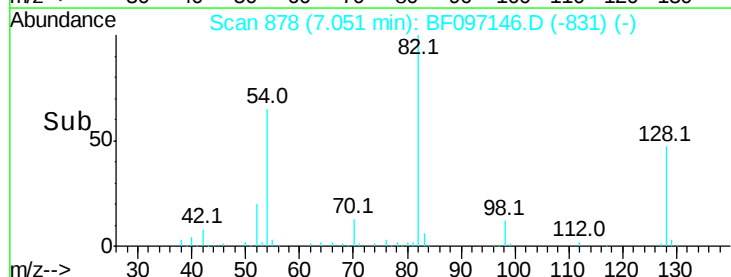
54 64.9 42.2 63.2#

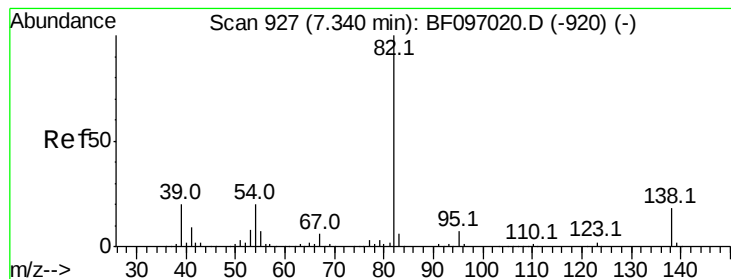


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 7.622 ng

RT: 7.05 min Scan# 878

Delta R.T. -0.29 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

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ClientSampleId :

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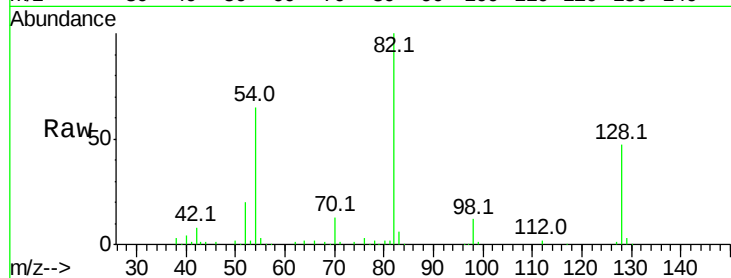
Tot Ion: 82 Resp: 124923

Ion Ratio Lower Upper

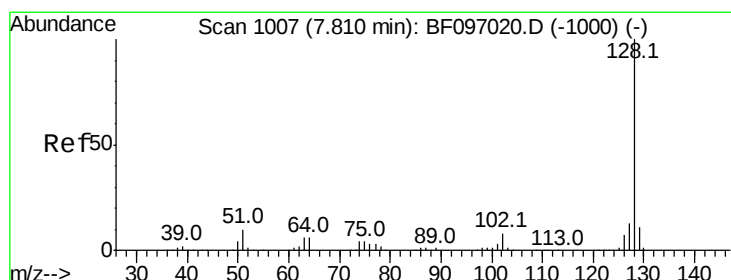
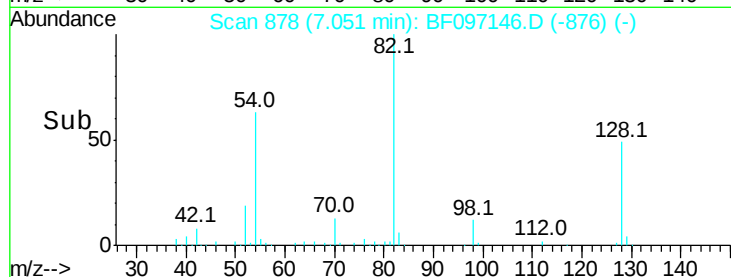
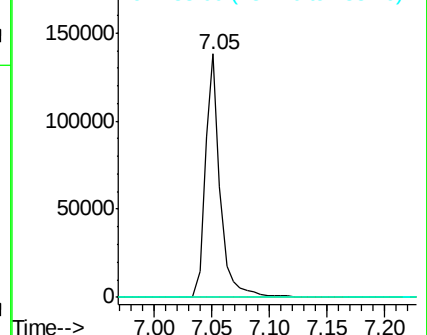
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 14.743 ng

RT: 7.79 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

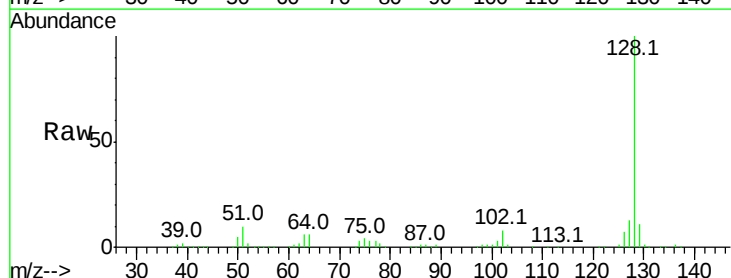
Tgt Ion:128 Resp: 341205

Ion Ratio Lower Upper

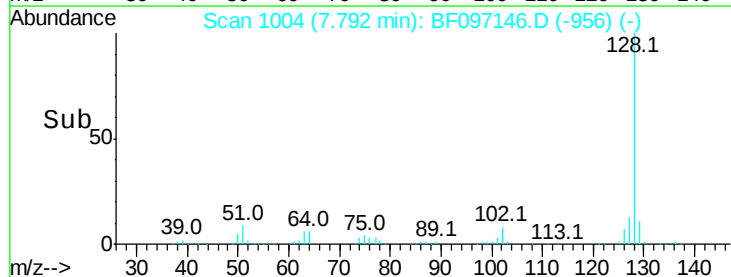
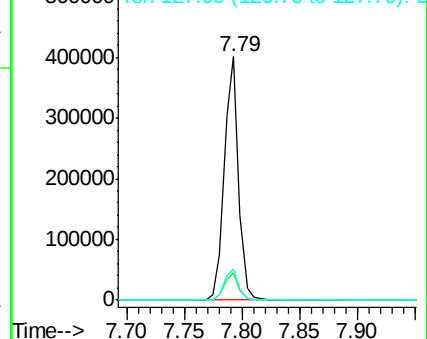
128 100

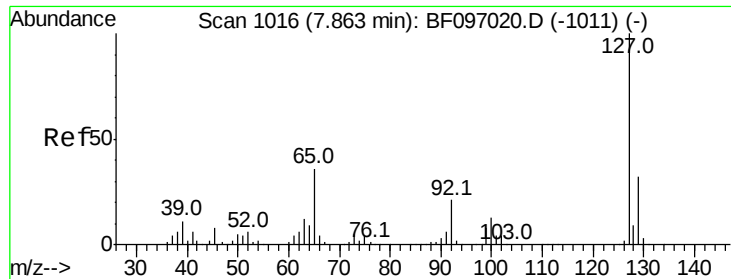
129 11.3 9.0 13.6

127 12.8 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

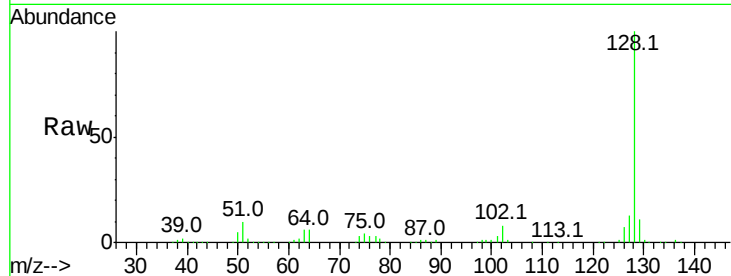




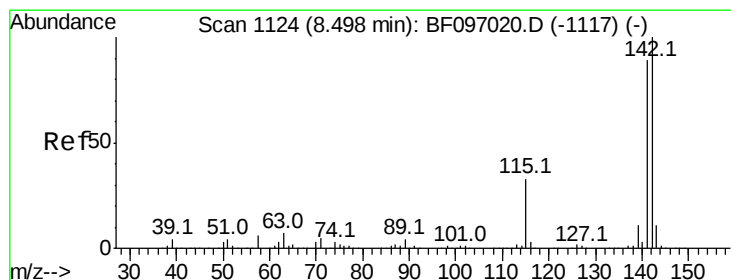
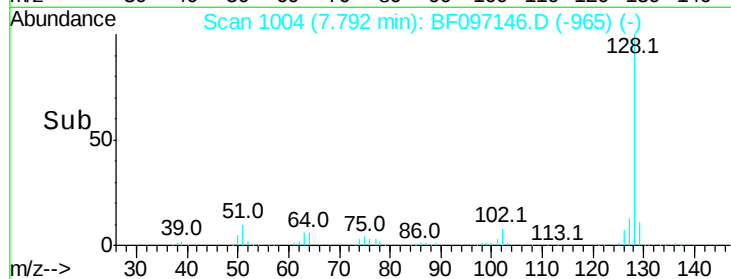
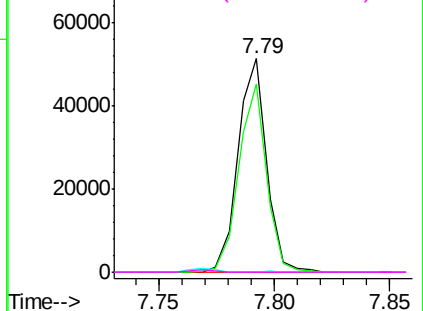
#33
4-Chloroaniline
Concen: 4.695 ng
RT: 7.79 min Scan# 1004
Delta R.T. -0.07 min
Lab File: BF097146.D
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EO-02-072517-D

Tot Ion:127 Resp: 44210
Ion Ratio Lower Upper
127 100
129 88.2 26.2 39.2#
65 0.0 27.8 41.8#
92 0.0 16.8 25.2#

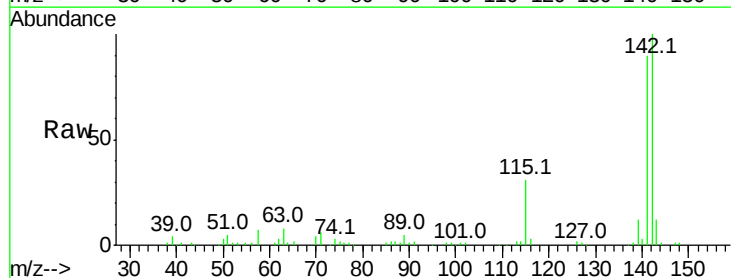


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

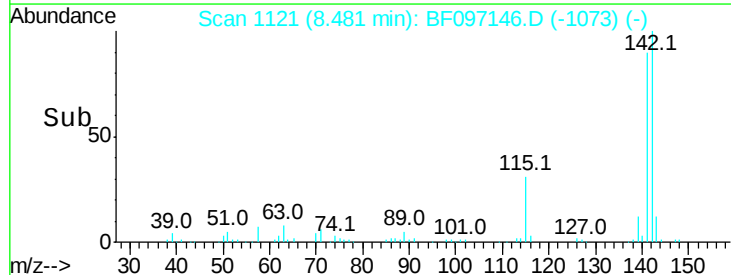
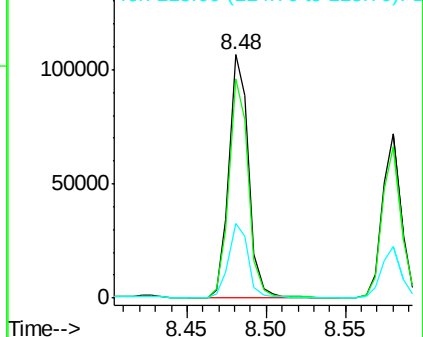


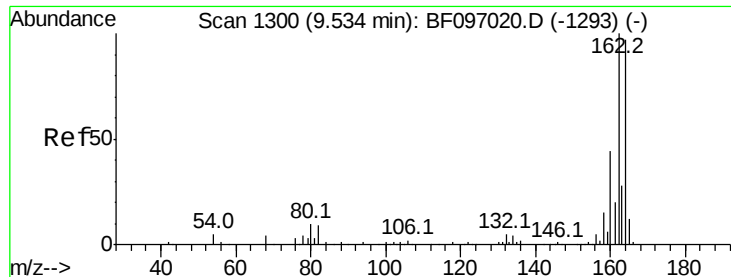
#37
2-Methylnaphthalene
Concen: 6.300 ng
RT: 8.48 min Scan# 1121
Delta R.T. -0.02 min
Lab File: BF097146.D
Acq: 28 Jul 2017 11:25

Tgt Ion:142 Resp: 92310
Ion Ratio Lower Upper
142 100
141 89.9 71.3 106.9
115 30.9 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

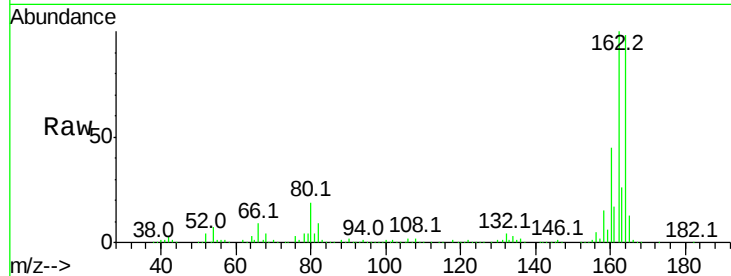




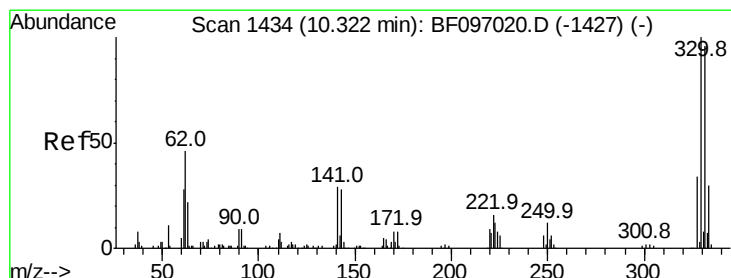
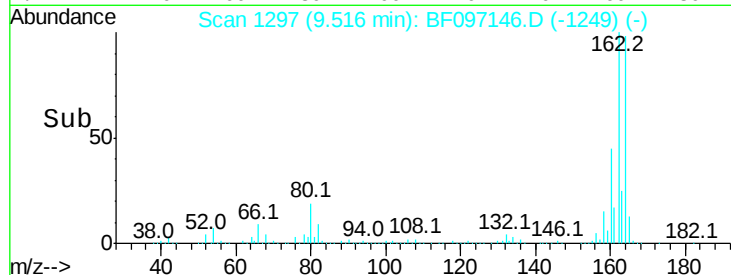
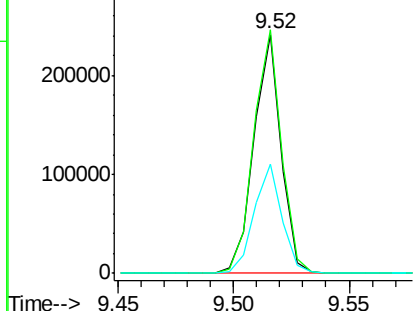
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.52 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF097146.D
 Acq: 28 Jul 2017 11:25

Instrument :
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 ClientSampleId :
 EO-02-072517-D

Tot Ion:164 Resp: 198381
 Ion Ratio Lower Upper
 164 100
 162 102.0 82.6 123.8
 160 45.7 36.2 54.2

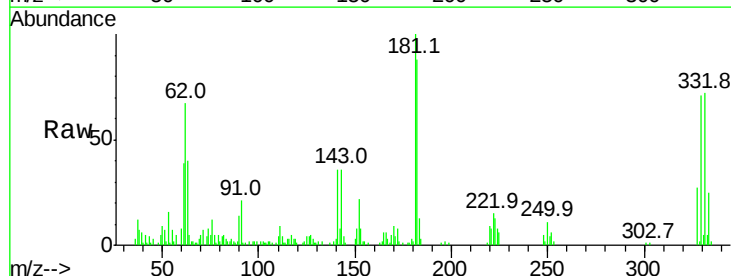


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

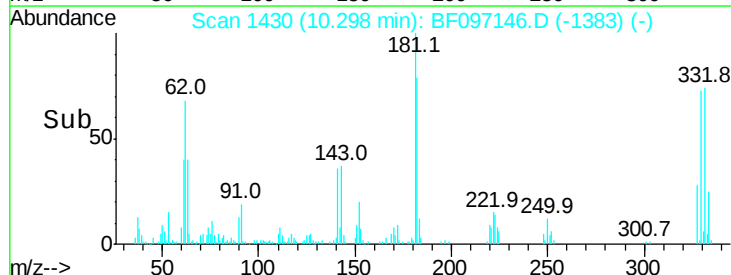
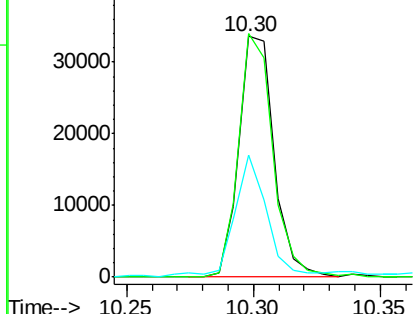


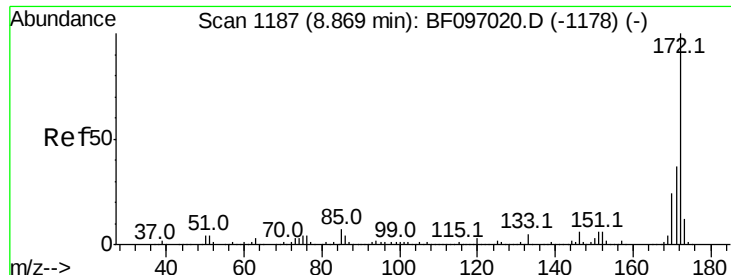
#41
 2,4,6-Tribromophenol
 Concen: 20.761 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF097146.D
 Acq: 28 Jul 2017 11:25

Tgt Ion:330 Resp: 32541
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.6 115.0
 141 46.7 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

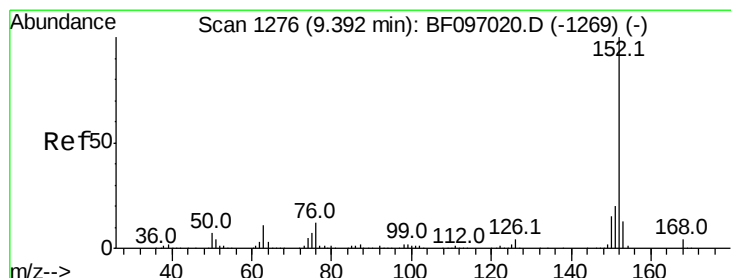
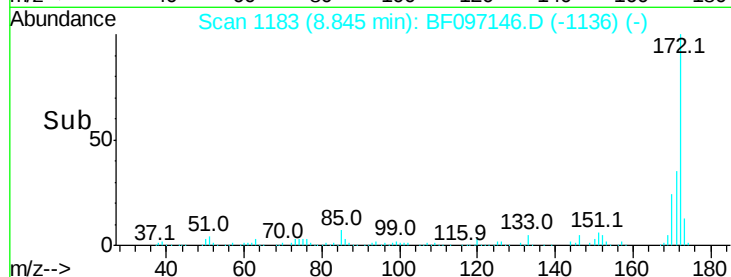
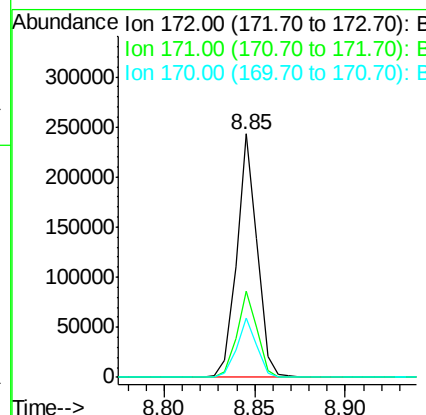
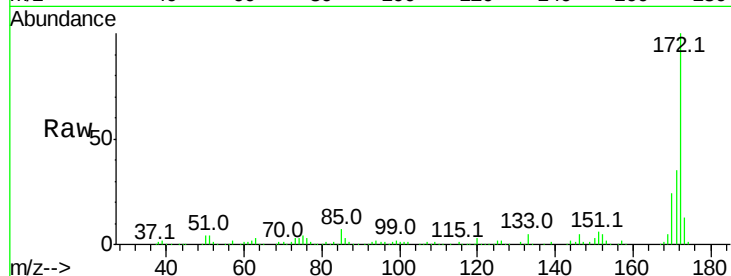




#44
 2-Fluorobiphenyl
 Concen: 16.210 ng
 RT: 8.85 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF097146.D
 Acq: 28 Jul 2017 11:25

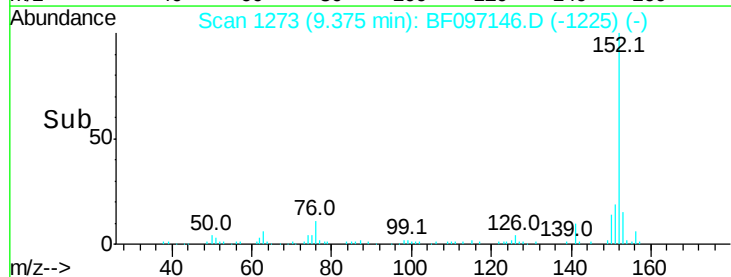
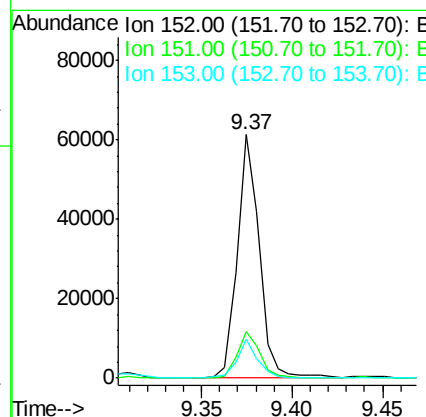
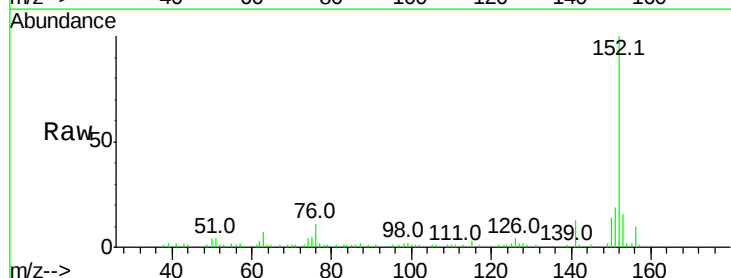
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-072517-D

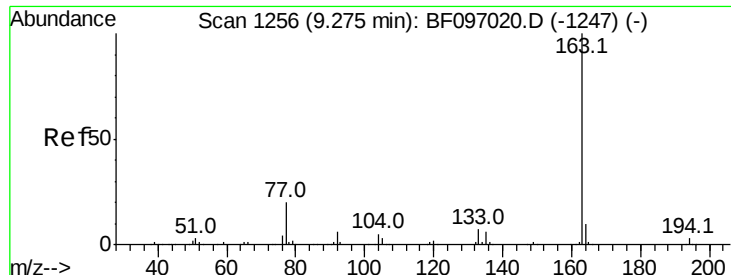
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	24.2	19.8	29.8



#48
 Acenaphthylene
 Concen: 2.727 ng
 RT: 9.37 min Scan# 1273
 Delta R.T. -0.02 min
 Lab File: BF097146.D
 Acq: 28 Jul 2017 11:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.8	25.2
153	15.9	10.8	16.2

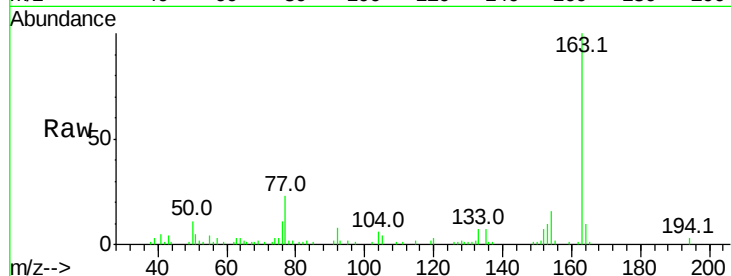




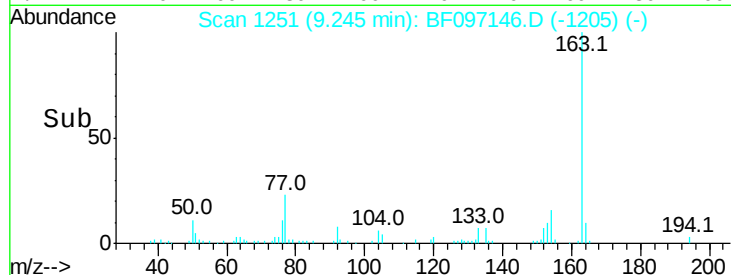
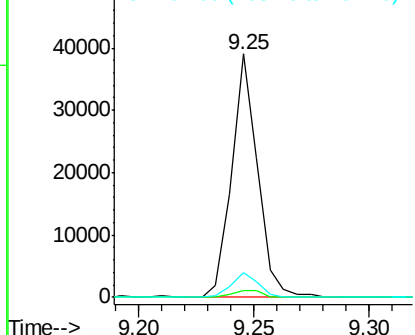
#49
Dimethylphthalate
Concen: 2.029 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097146.D
Acq: 28 Jul 2017 11:25

Instrument :
BNA_F
ClientSampleId :
EO-02-072517-D

Tot Ion:163 Resp: 30561
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 10.0 8.4 12.6

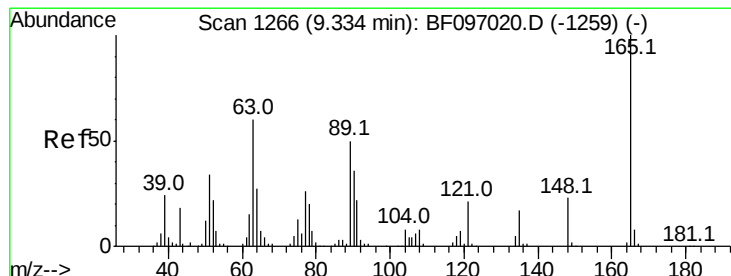


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

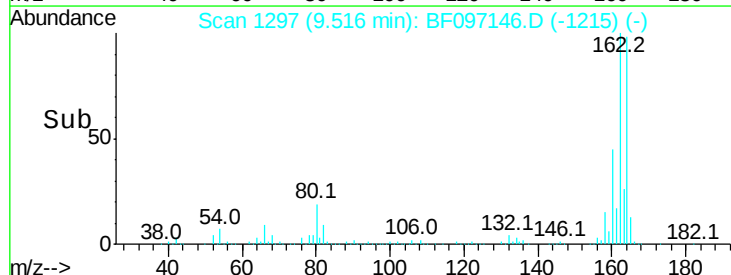
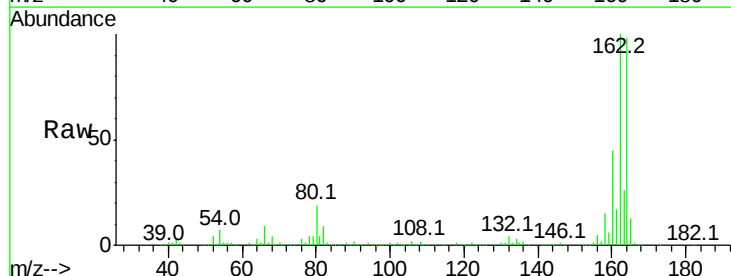
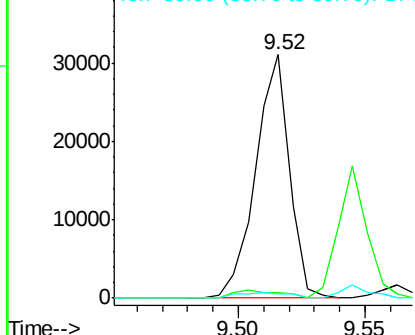


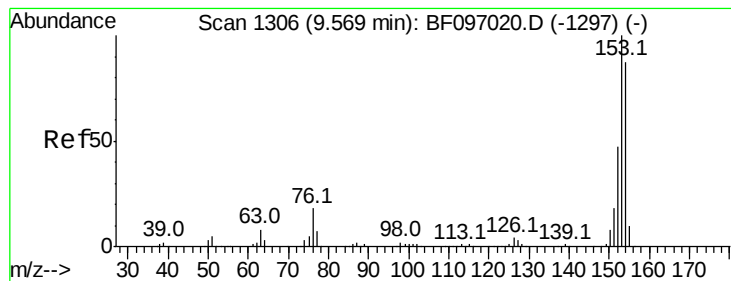
#50
2,6-Dinitrotoluene
Concen: 9.051 ng
RT: 9.52 min Scan# 1297
Delta R.T. 0.18 min
Lab File: BF097146.D
Acq: 28 Jul 2017 11:25

Tgt Ion:165 Resp: 28918
Ion Ratio Lower Upper
165 100
63 2.2 34.3 51.5#
89 2.0 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: 12.318 ng

RT: 9.55 min Scan# 1302

Delta R.T. -0.02 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

Instrument :

BNA_F

ClientSampleId :

EO-02-072517-D

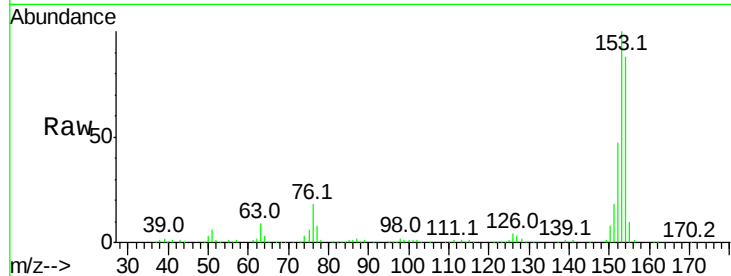
Tot Ion:154 Resp: 138871

Ion Ratio Lower Upper

154 100

153 113.4 90.5 135.7

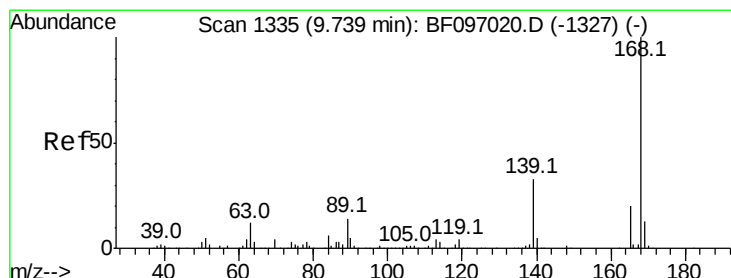
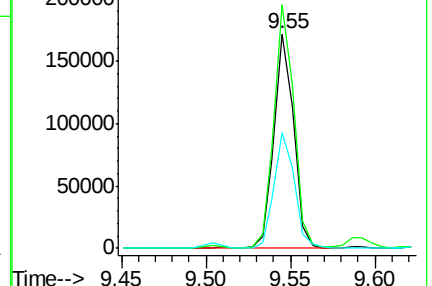
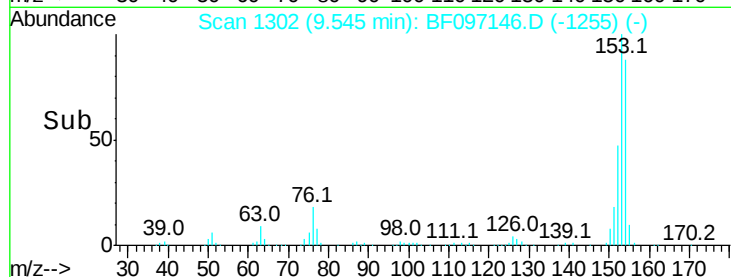
152 53.8 43.6 65.4



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



#54

Dibenzofuran

Concen: 12.413 ng

RT: 9.72 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

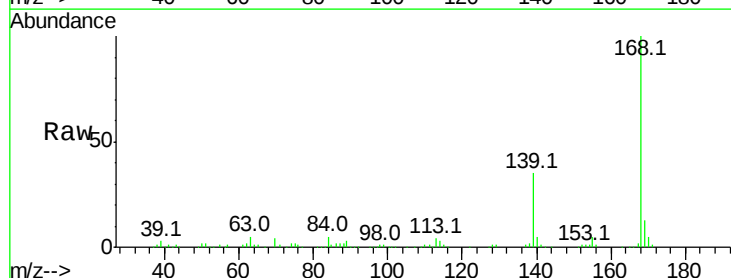
Tgt Ion:168 Resp: 186397

Ion Ratio Lower Upper

168 100

139 35.2 30.6 45.8

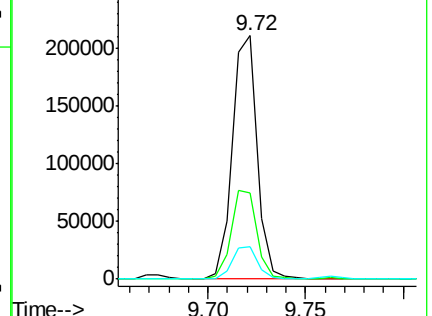
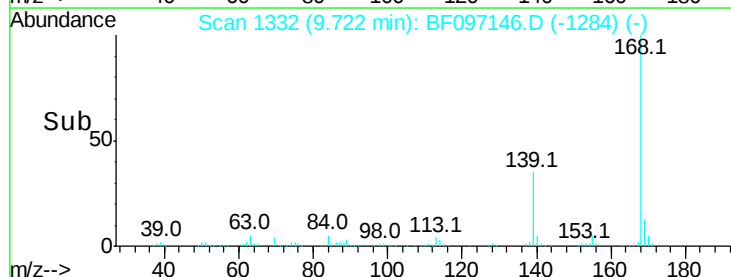
169 13.5 10.8 16.2

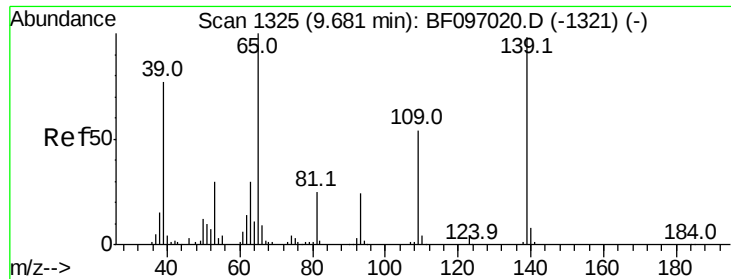


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 29.533 ng

RT: 9.72 min Scan# 1331

Delta R.T. 0.04 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

Instrument :

BNA_F

ClientSampleId :

EO-02-072517-D

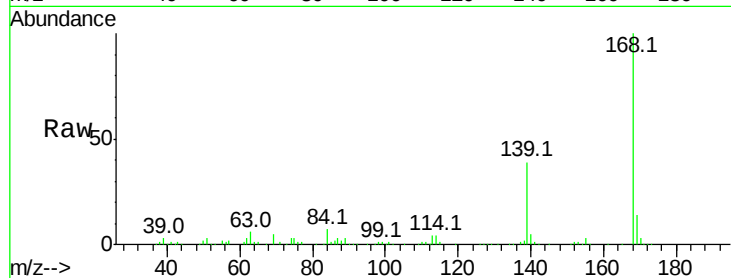
Tot Ion:139 Resp: 69654

Ion Ratio Lower Upper

139 100

109 1.2 34.1 74.1#

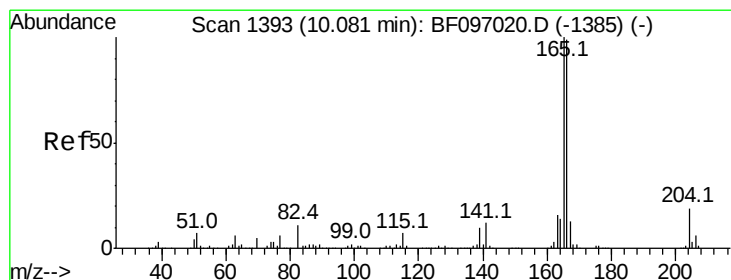
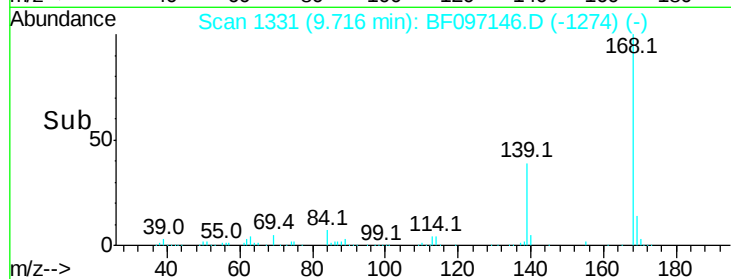
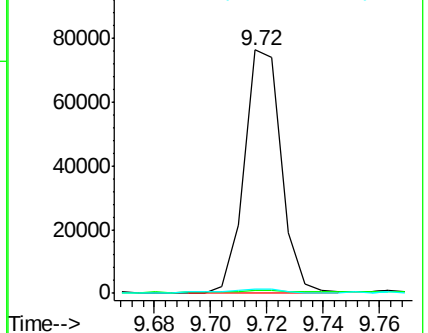
65 1.9 31.4 71.4#



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



#57

Fluorene

Concen: 21.826 ng

RT: 10.06 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

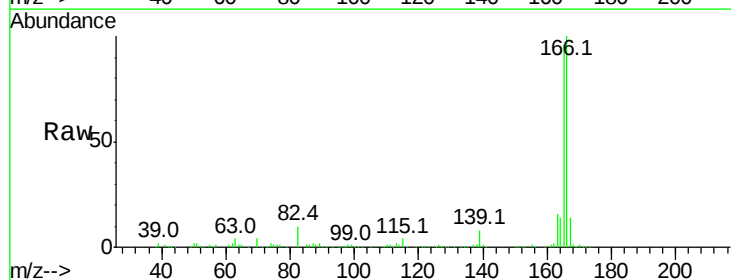
Tgt Ion:166 Resp: 246337

Ion Ratio Lower Upper

166 100

165 96.4 78.8 118.2

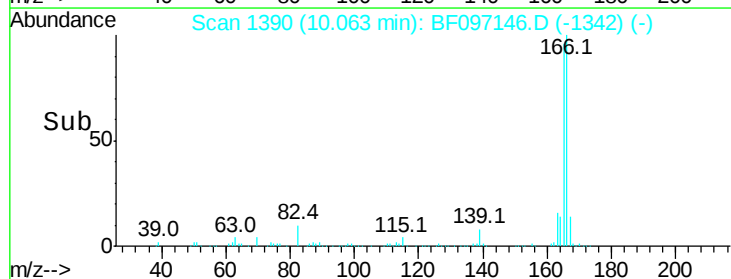
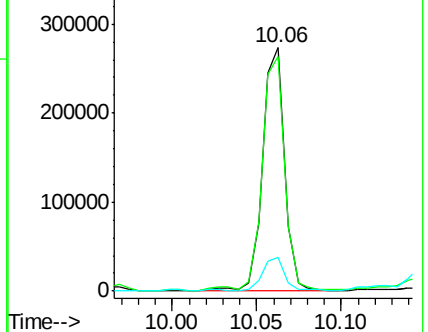
167 13.8 10.6 16.0

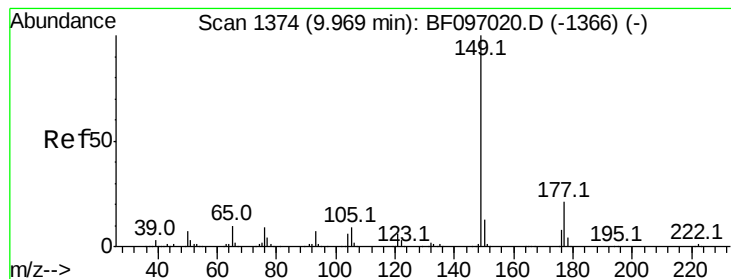


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

Diethylphthalate

Concen: 2.532 ng

RT: 9.95 min Scan# 1370

Delta R.T. -0.02 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

Instrument :

BNA_F

ClientSampleId :

EO-02-072517-D

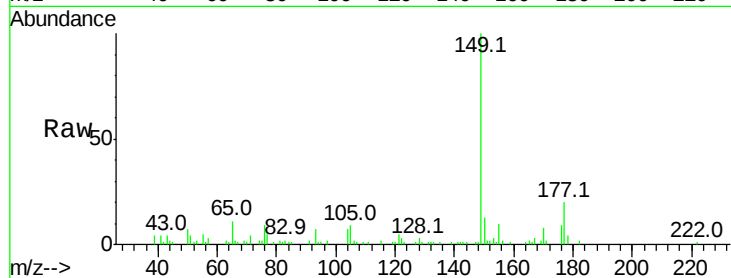
Tot Ion:149 Resp: 34991

Ion Ratio Lower Upper

149 100

177 20.5 16.7 25.1

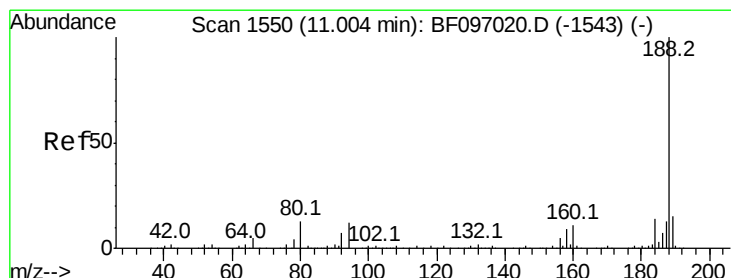
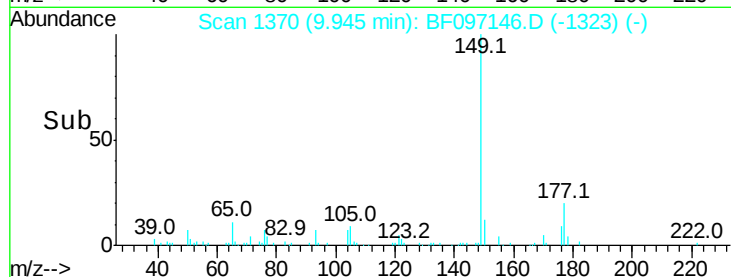
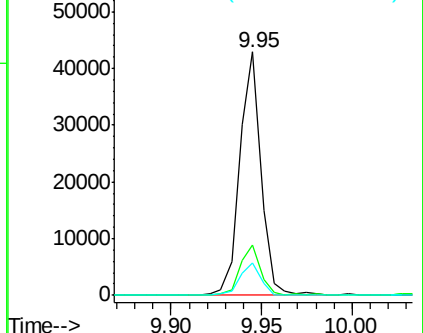
150 13.2 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.99 min Scan# 1548

Delta R.T. -0.01 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

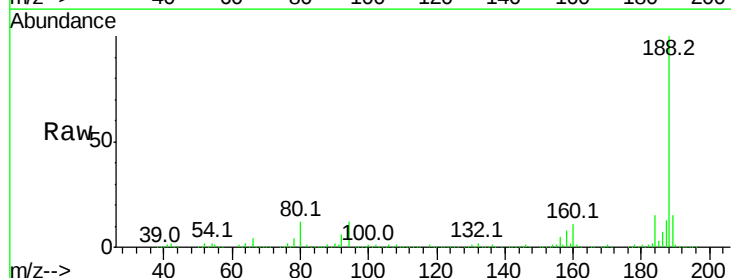
Tgt Ion:188 Resp: 301970

Ion Ratio Lower Upper

188 100

94 11.5 9.4 14.2

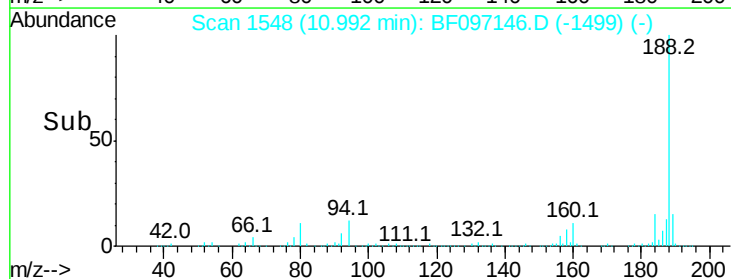
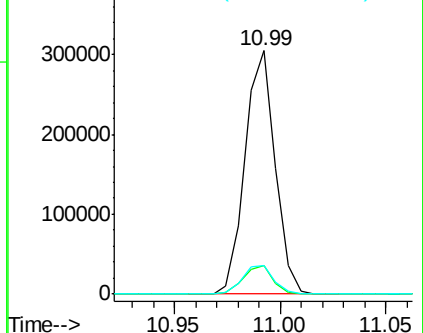
80 11.6 10.2 15.2

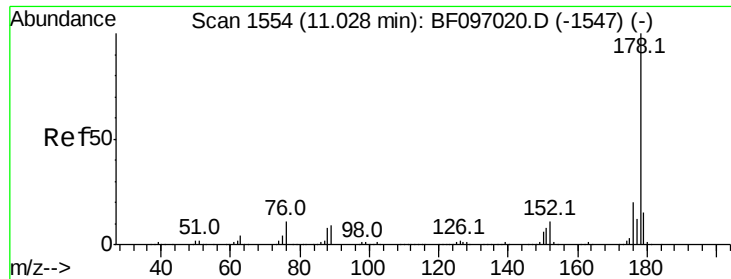


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

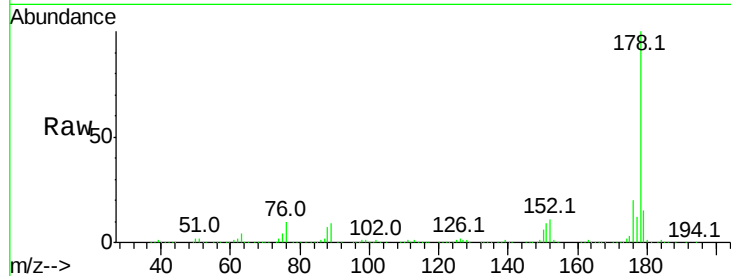




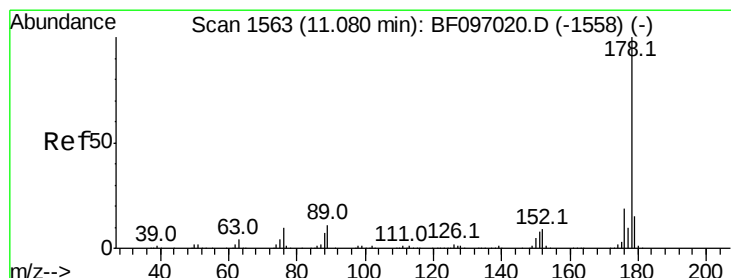
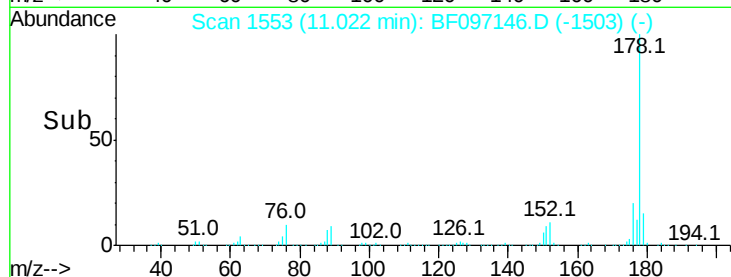
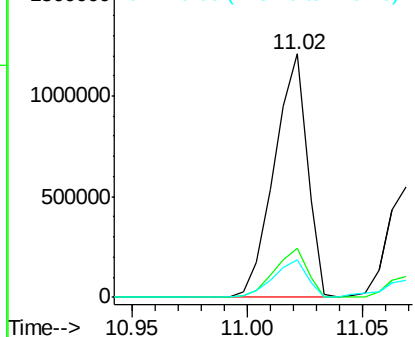
#70
Phenanthrene
Concen: 74.286 ng
RT: 11.02 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF097146.D
Acq: 28 Jul 2017 11:25

Instrument :
BNA_F
ClientSampleId :
EO-02-072517-D

Tot Ion:178 Resp: 1201924
Ion Ratio Lower Upper
178 100
176 20.3 16.2 24.4
179 15.2 12.6 19.0

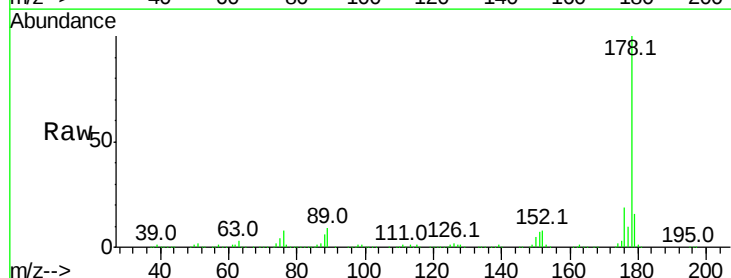


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

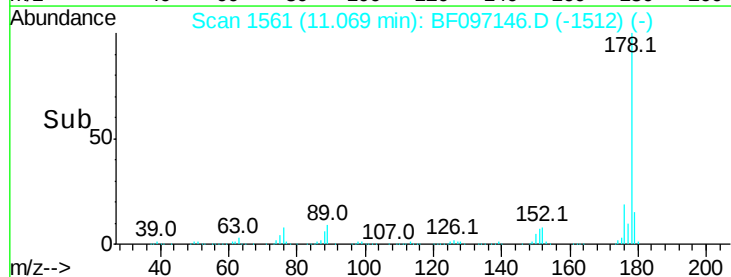
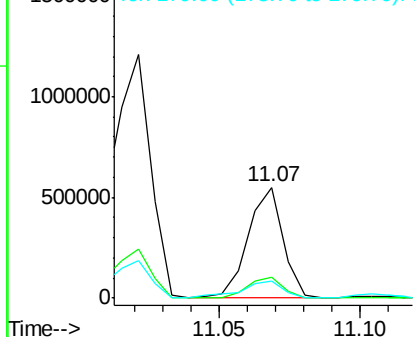


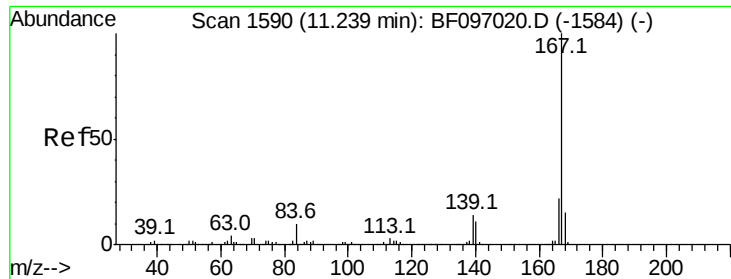
#71
Anthracene
Concen: 28.306 ng
RT: 11.07 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF097146.D
Acq: 28 Jul 2017 11:25

Tgt Ion:178 Resp: 469064
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.6 12.7 19.1



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





#72

Carbazole

Concen: 7.452 ng

RT: 11.23 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

Instrument :

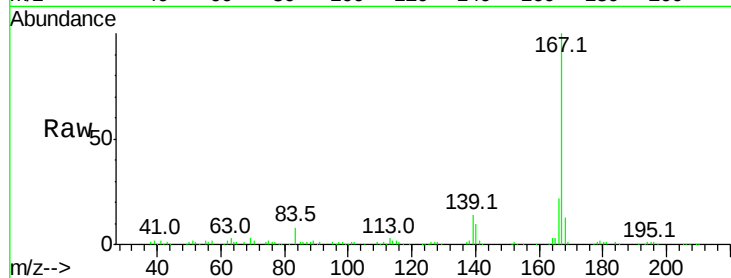
BNA_F

ClientSampleId :

EO-02-072517-D

Tot Ion:167 Resp: 121447

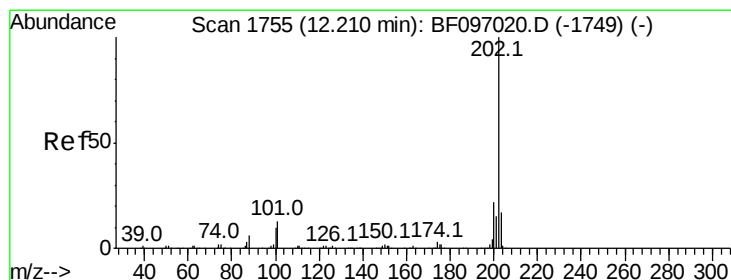
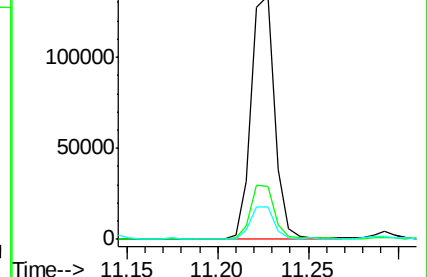
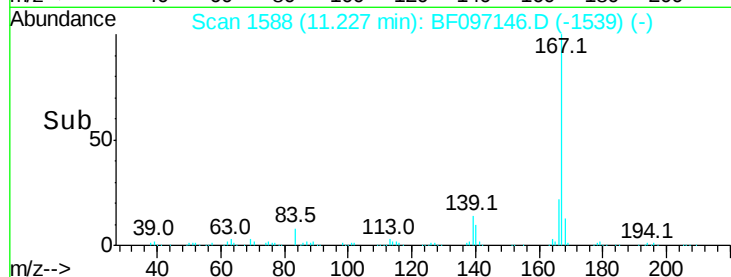
Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.1	27.1
139	13.5	11.7	17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 84.041 ng

RT: 12.20 min Scan# 1754

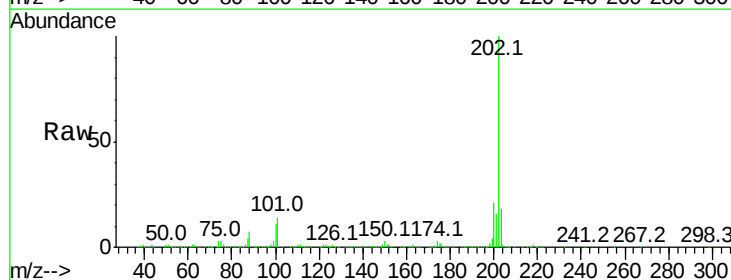
Delta R.T. -0.01 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

Tgt Ion:202 Resp: 1332090

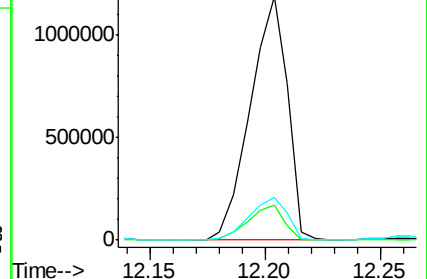
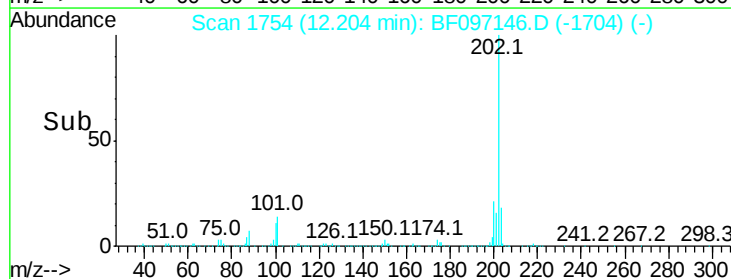
Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	33.2
203	17.7	0.0	38.1

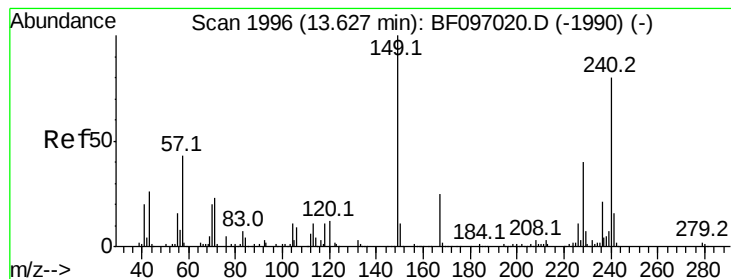


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF097146.D

Acq: 28 Jul 2017 11:25

Instrument :

BNA_F

ClientSampleId :

EO-02-072517-D

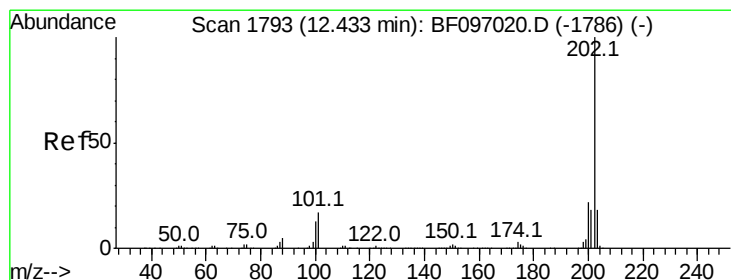
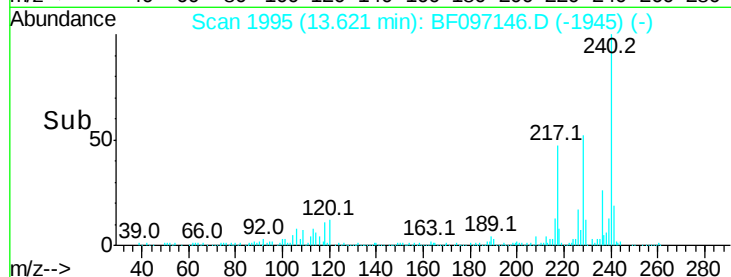
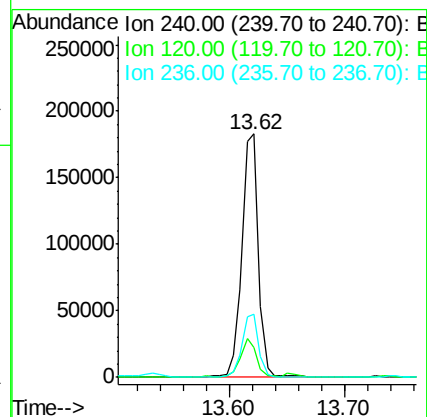
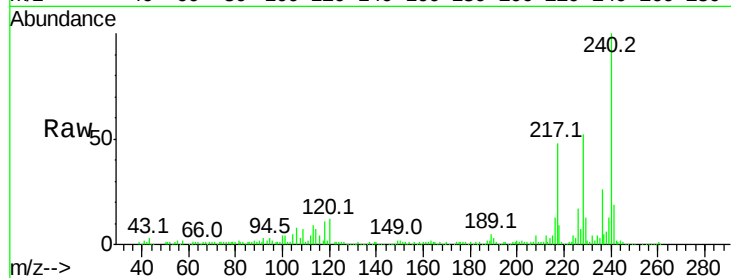
Tot Ion:240 Resp: 183284

Ion Ratio Lower Upper

240 100

120 12.2 5.8 8.8#

236 26.0 20.5 30.7



#77

Pyrene

Concen: 77.543 ng

RT: 12.43 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

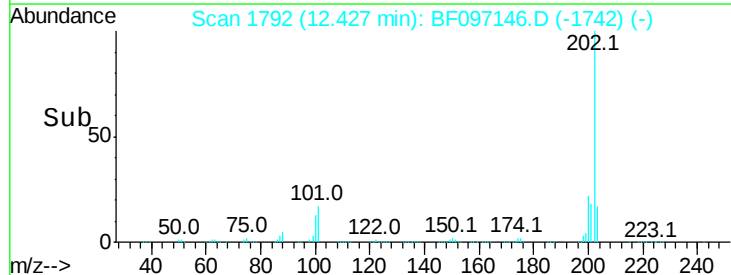
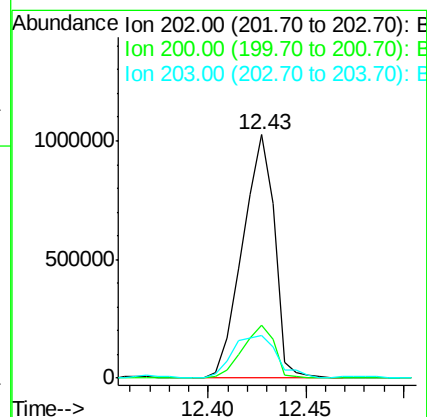
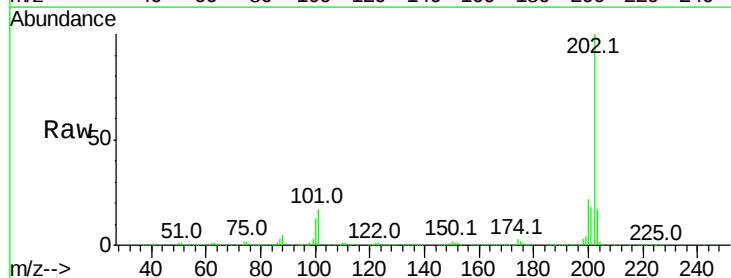
Tgt Ion:202 Resp: 1163515

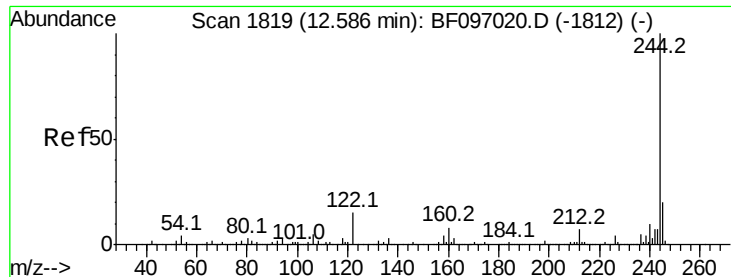
Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

203 17.4 14.4 21.6





#78

Terphenyl-d14

Concen: 11.634 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

Instrument :

BNA_F

ClientSampleId :

EO-02-072517-D

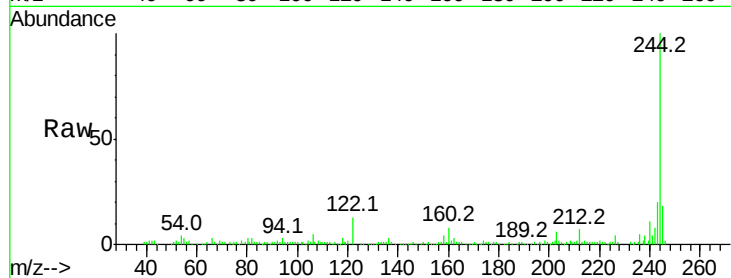
Tot Ion:244 Resp: 104584

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

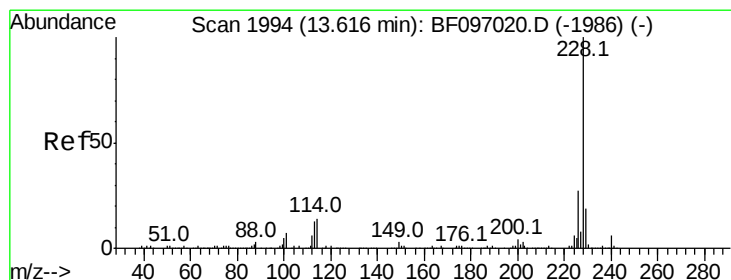
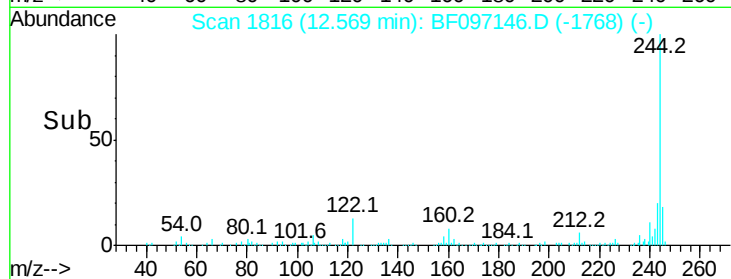
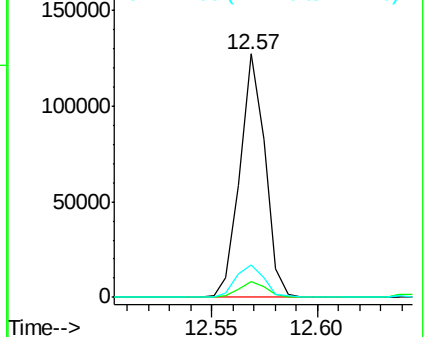
122 13.5 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 52.490 ng

RT: 13.61 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

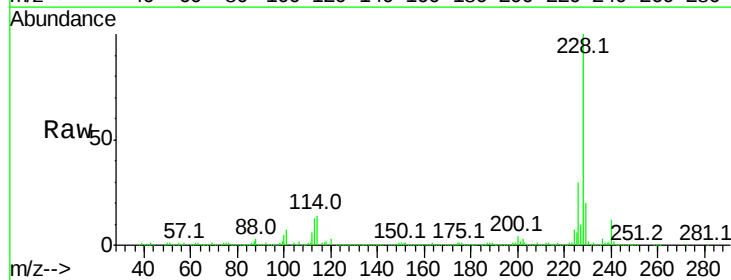
Tgt Ion:228 Resp: 622496

Ion Ratio Lower Upper

228 100

226 30.1 22.6 33.8

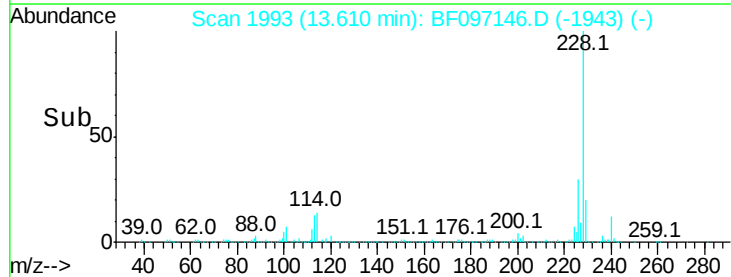
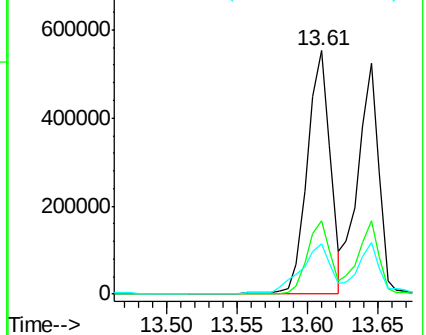
229 20.4 16.3 24.5

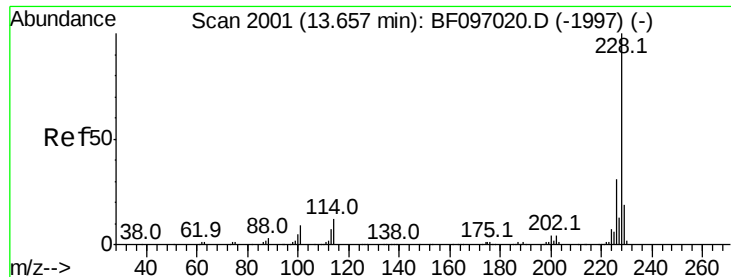


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 43.420 ng

RT: 13.64 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

Instrument :

BNA_F

ClientSampleId :

EO-02-072517-D

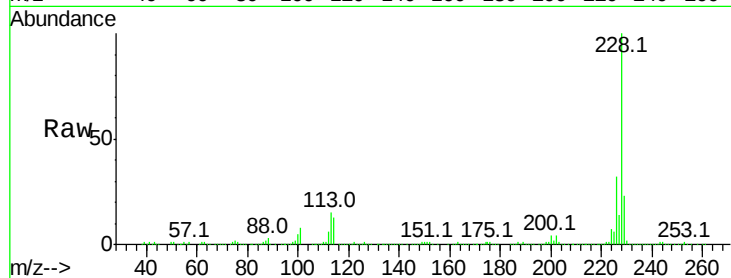
Tot Ion:228 Resp: 502812

Ion Ratio Lower Upper

228 100

226 31.7 24.9 37.3

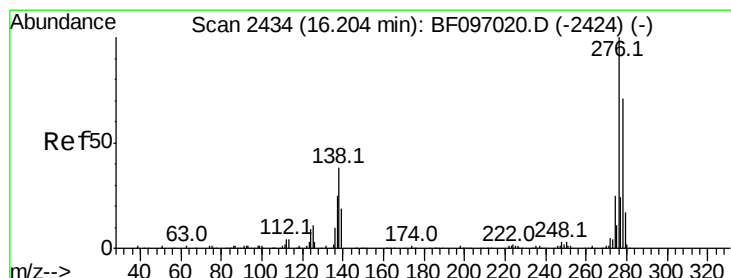
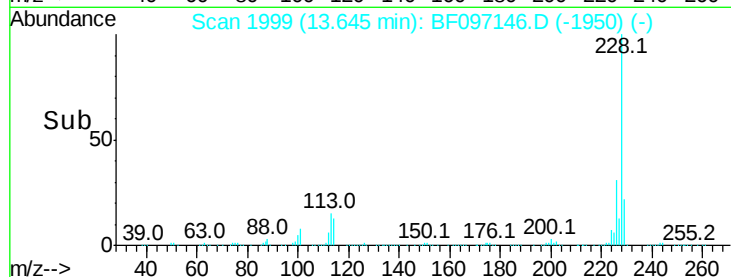
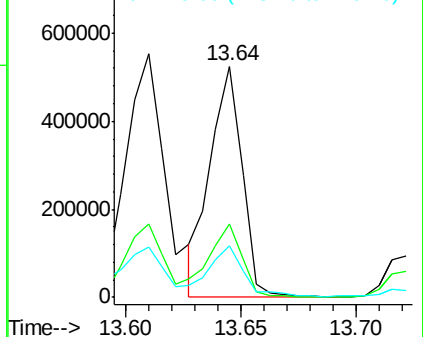
229 22.5 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 31.189 ng

RT: 16.19 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

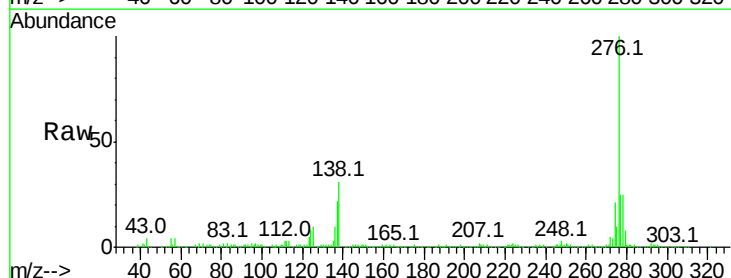
Tgt Ion:276 Resp: 309699

Ion Ratio Lower Upper

276 100

138 30.1 27.8 41.6

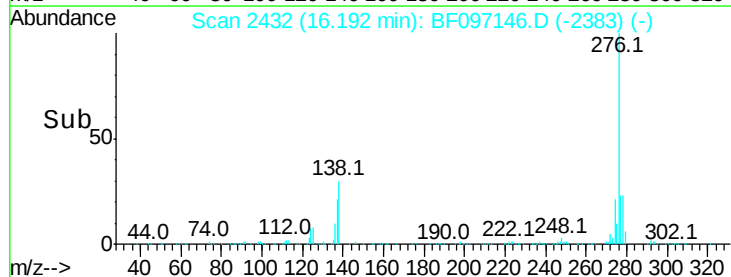
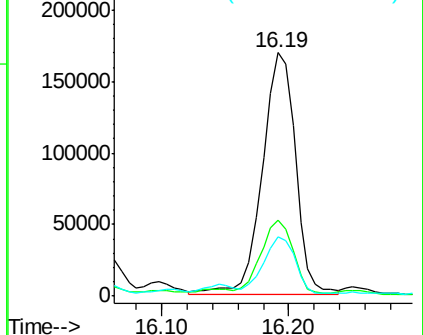
277 21.8 20.2 30.4

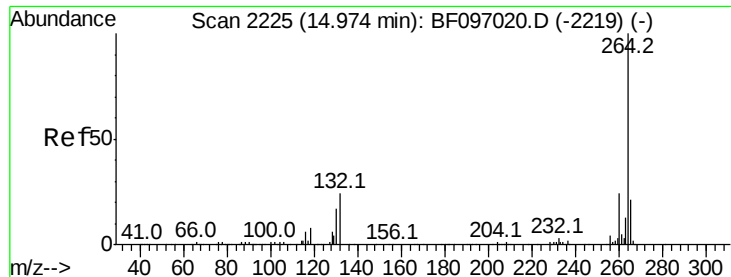


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

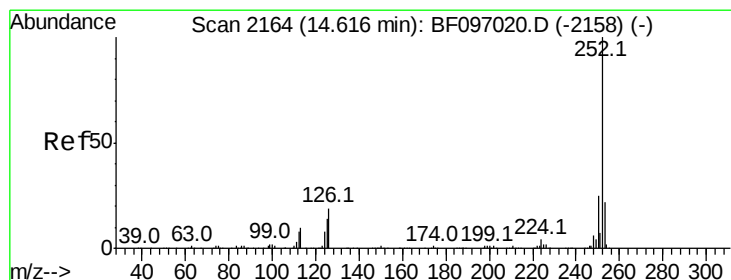
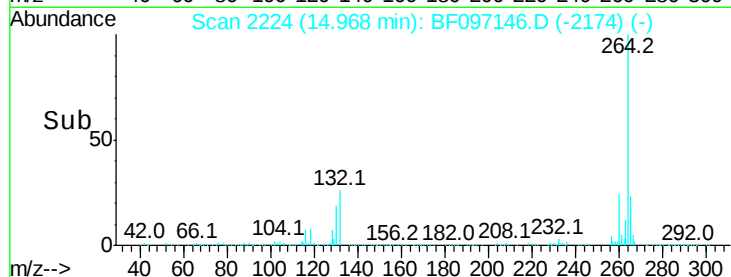
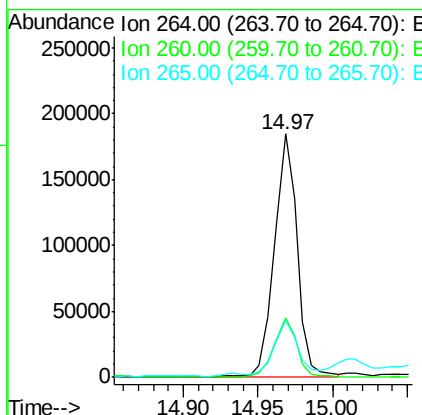
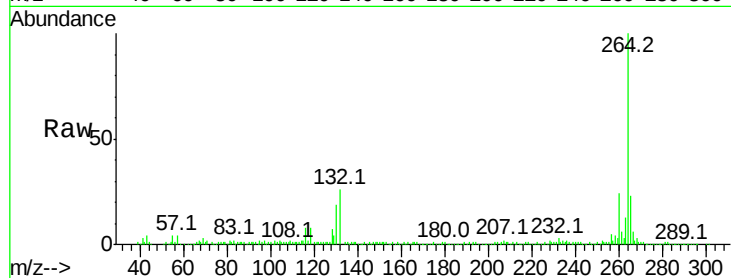




#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.97 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF097146.D
Acq: 28 Jul 2017 11:25

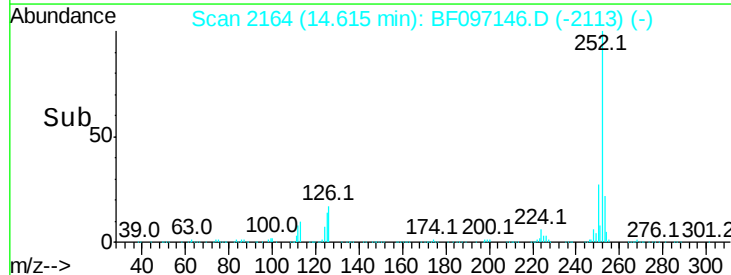
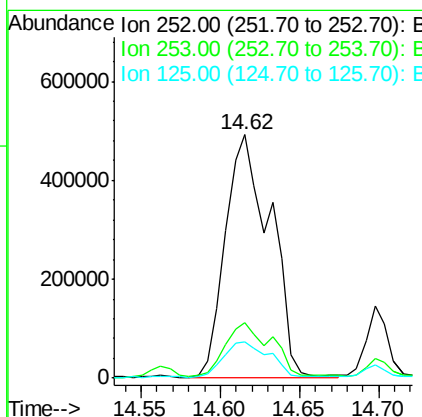
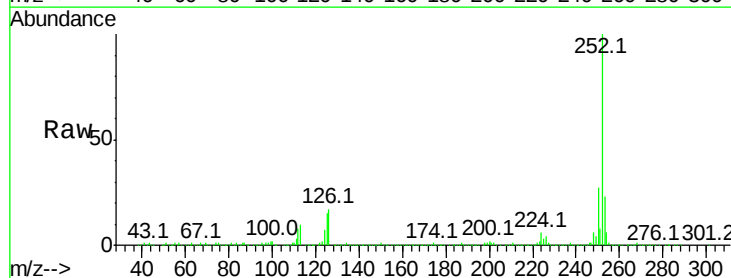
Instrument :
BNA_F
ClientSampleId :
EO-02-072517-D

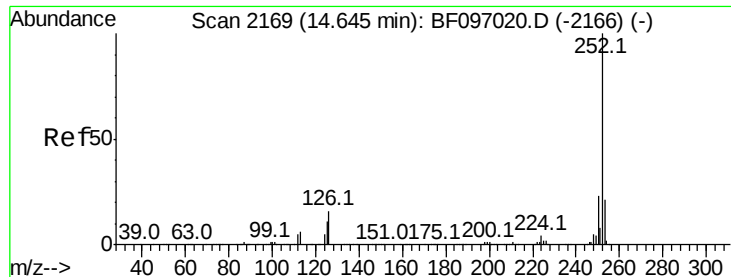
Tot Ion:264 Resp: 196588
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 23.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 82.039 ng
RT: 14.62 min Scan# 2164
Delta R.T. -0.00 min
Lab File: BF097146.D
Acq: 28 Jul 2017 11:25

Tgt Ion:252 Resp: 969482
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 14.7 9.8 14.8





#88

Benzo(k)fluoranthene

Concen: 86.093 ng

RT: 14.62 min Scan# 2164

Delta R.T. -0.03 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

Instrument :

BNA_F

ClientSampleId :

EO-02-072517-D

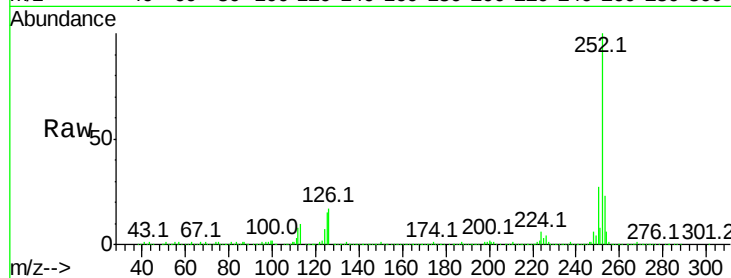
Tot Ion:252 Resp: 969482

Ion Ratio Lower Upper

252 100

253 22.9 18.4 27.6

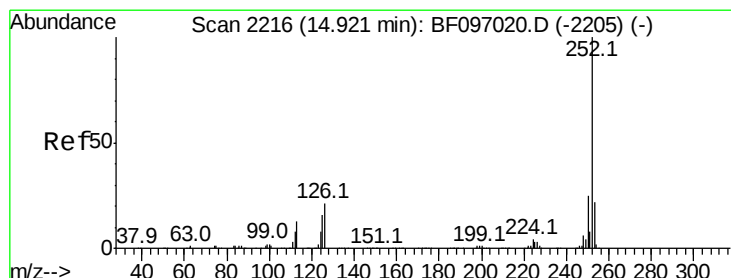
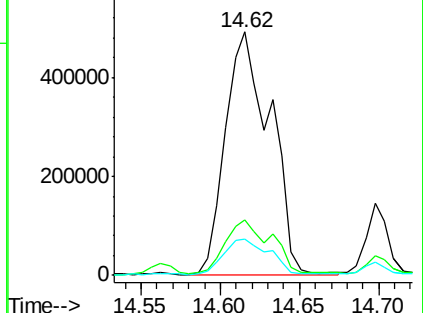
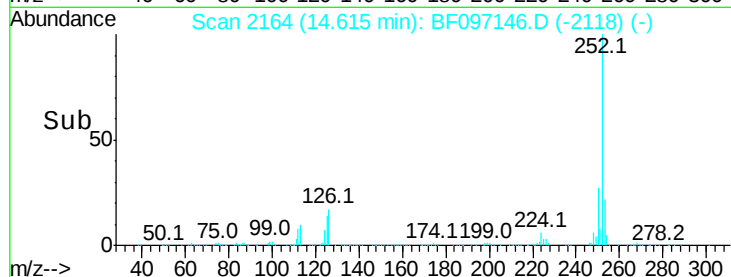
125 14.7 13.1 19.7



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: 49.459 ng

RT: 14.92 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

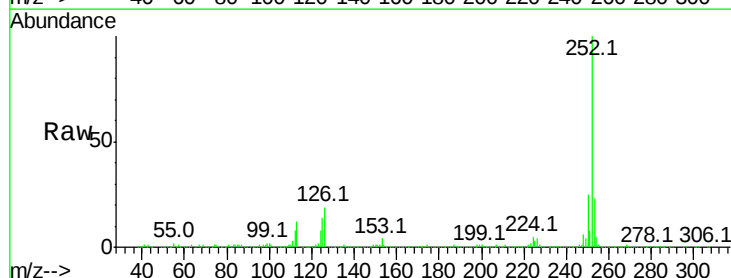
Tgt Ion:252 Resp: 534919

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

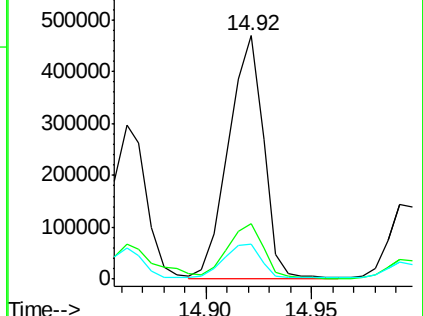
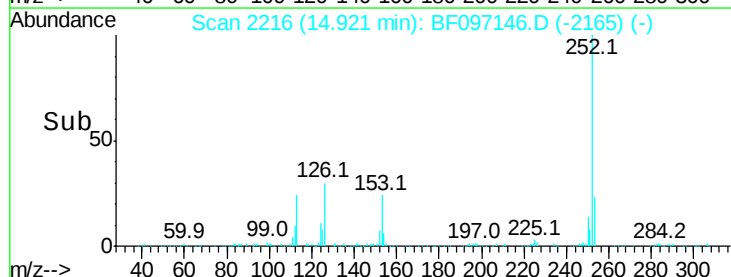
125 14.2 11.0 16.4

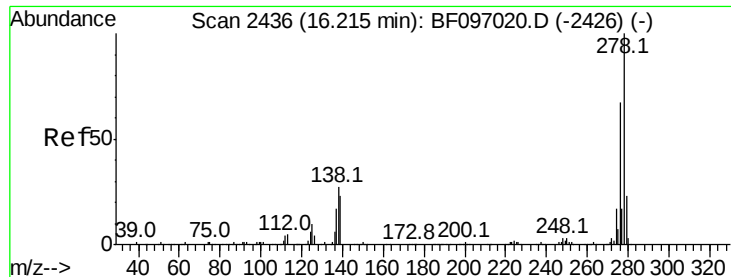


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 9.190 ng

RT: 16.20 min Scan# 2433

Delta R.T. -0.02 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

Instrument :

BNA_F

ClientSampleId :

EO-02-072517-D

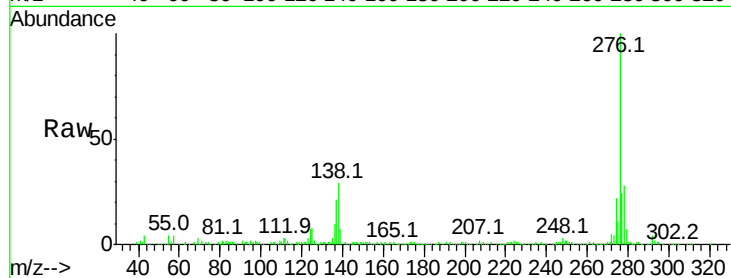
Tot Ion:278 Resp: 81504

Ion Ratio Lower Upper

278 100

139 23.4 16.6 24.8

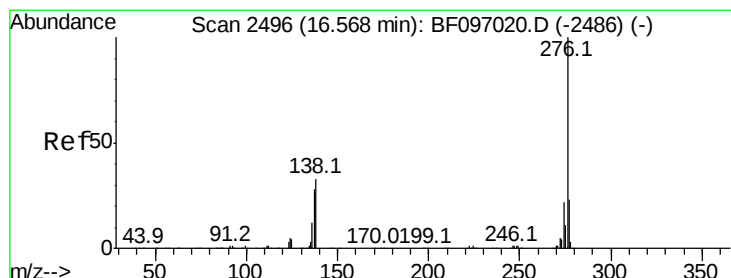
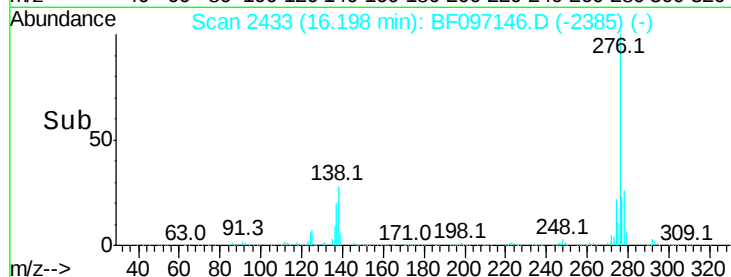
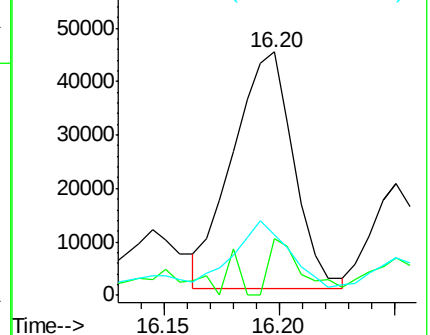
279 25.1 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 27.607 ng

RT: 16.56 min Scan# 2494

Delta R.T. -0.01 min

Lab File: BF097146.D

Acq: 28 Jul 2017 11:25

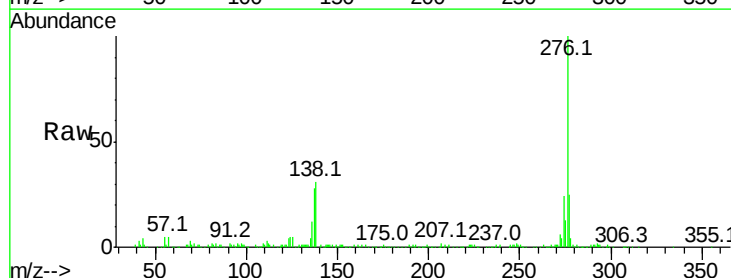
Tgt Ion:276 Resp: 256774

Ion Ratio Lower Upper

276 100

277 25.5 18.6 28.0

138 30.9 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

