

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090617\
 Data File : BF098279.D
 Acq On : 6 Sep 2017 18:18
 Operator : SJ/JU
 Sample : I5076-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-083117

Quant Time: Sep 07 03:36:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	113531	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	461409	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	202143	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	352957	20.00	ng	-0.01
75) Chrysene-d12	13.85	240	228912	20.00	ng	-0.01
86) Perylene-d12	15.26	264	218746	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	1146190	153.57	ng	0.00
7) Phenol-d6	6.35	99	1539190	151.78	ng	0.00
23) Nitrobenzene-d5	7.26	82	975126	114.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	283631	161.71	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	1374712	99.92	ng	-0.01
78) Terphenyl-d14	12.80	244	989666	90.16	ng	-0.01

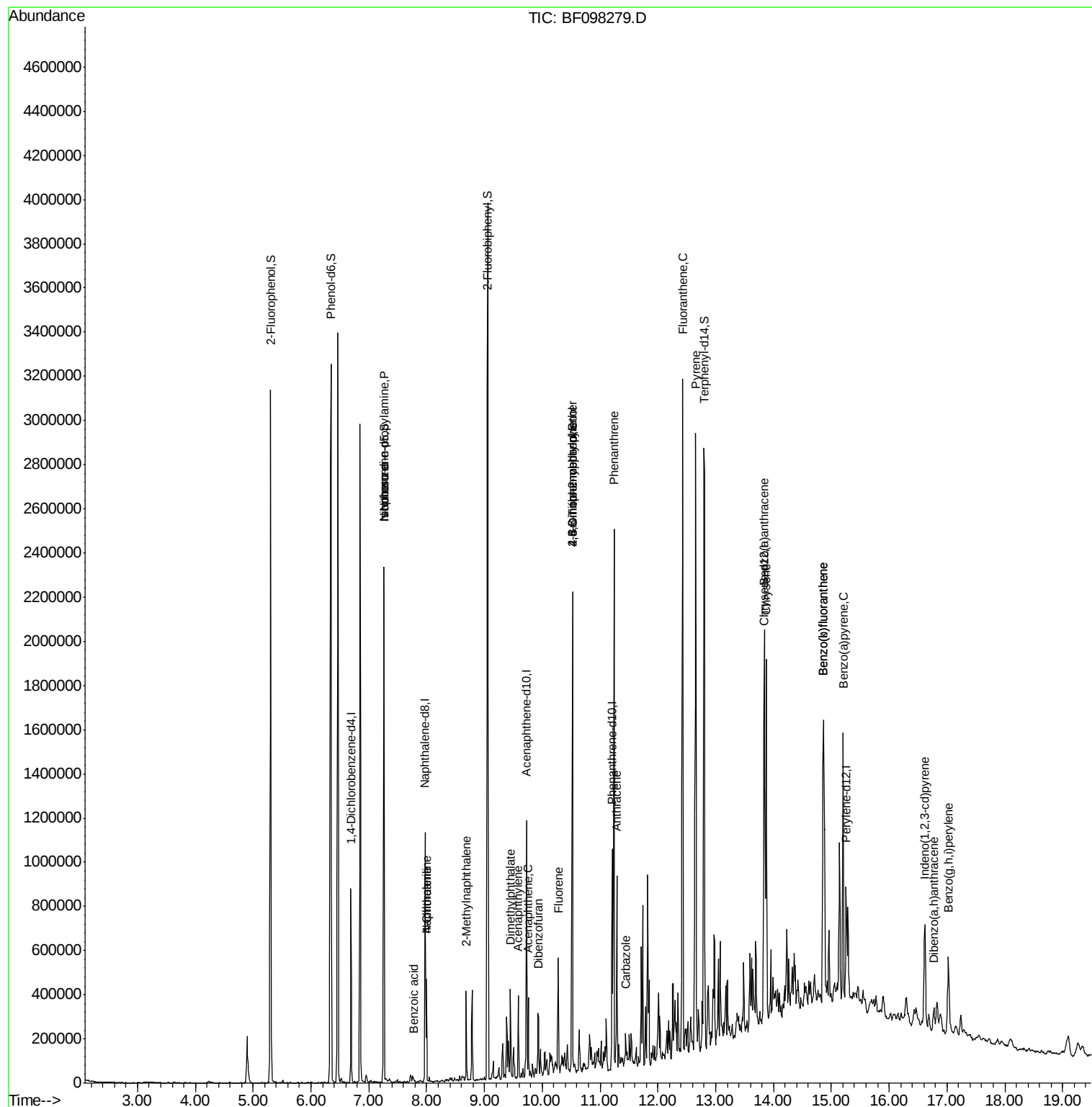
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	129170	18.61	ng	# 70
25) Isophorone	7.26	82	970929	54.98	ng	# 67
31) Naphthalene	8.00	128	185484	7.74	ng	99
32) Benzoic acid	7.77	122	436	6.47	ng	# 30
33) 4-Chloroaniline	8.00	127	24114	2.39	ng	# 34
37) 2-Methylnaphthalene	8.69	142	99573	6.78	ng	98
48) Acenaphthylene	9.59	152	109668	5.13	ng	99
49) Dimethylphthalate	9.45	163	127390	8.62	ng	99
51) Acenaphthene	9.76	154	67289	4.99	ng	100
54) Dibenzofuran	9.93	168	74840	4.14	ng	# 95
57) Fluorene	10.27	166	141518	10.12	ng	94
64) 4,6-Dinitro-2-methylphenol	10.52	198	443	8.54	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	18128	4.95	ng	# 1
70) Phenanthrene	11.24	178	884760	47.04	ng	99
71) Anthracene	11.29	178	287018	15.05	ng	99
72) Carbazole	11.44	167	53277	2.94	ng	99
74) Fluoranthene	12.43	202	1393984	71.01	ng	98
77) Pyrene	12.66	202	1276125	68.16	ng	99
80) Benzo(a)anthracene	13.84	228	708632	51.65	ng	96
82) Chrysene	13.87	228	555245	40.68	ng	97
85) Indeno(1,2,3-cd)pyrene	16.62	276	303505	30.23	ng	# 89
87) Benzo(b)fluoranthene	14.86	252	986874	71.57	ng	98
88) Benzo(k)fluoranthene	14.86	252	986874	76.18	ng	97
89) Benzo(a)pyrene	15.20	252	528144	43.27	ng	99
90) Dibenzo(a,h)anthracene	16.77	278	65462	6.59	ng	95
91) Benzo(g,h,i)perylene	17.03	276	268198	25.87	ng	94

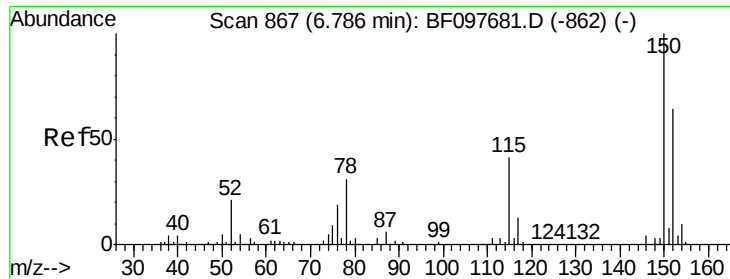
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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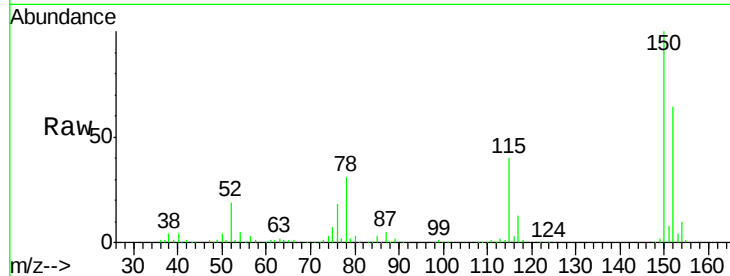


#1

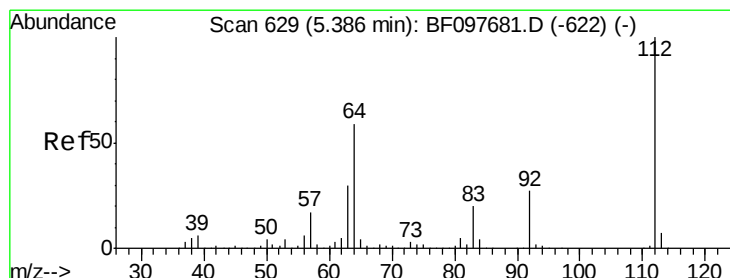
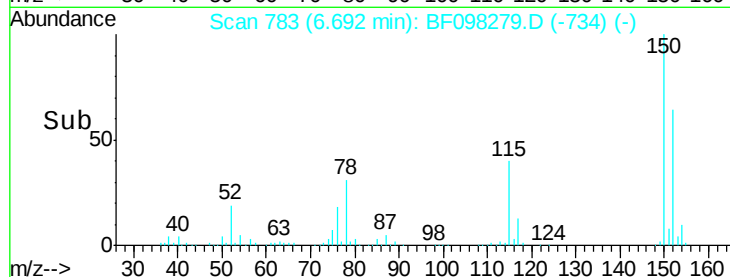
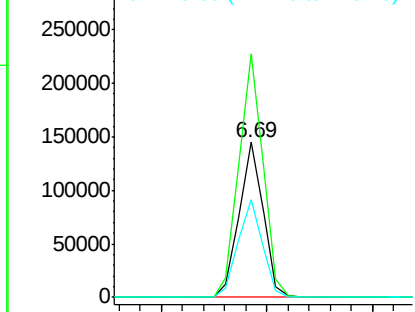
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF098279.D
Acq: 6 Sep 2017 18:18

Instrument :
BNA_F
ClientSampleId :
OR-02-083117

Tot Ion:152 Resp: 113531
Ion Ratio Lower Upper
152 100
150 157.2 126.2 189.2
115 63.3 52.2 78.2



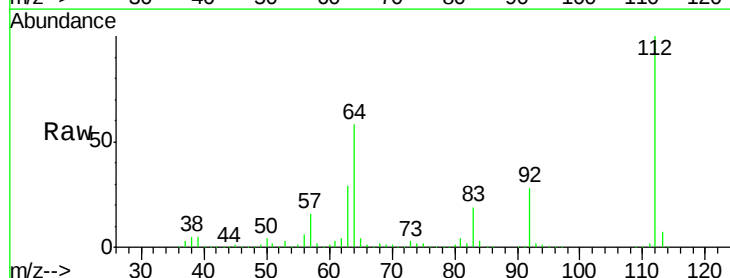
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



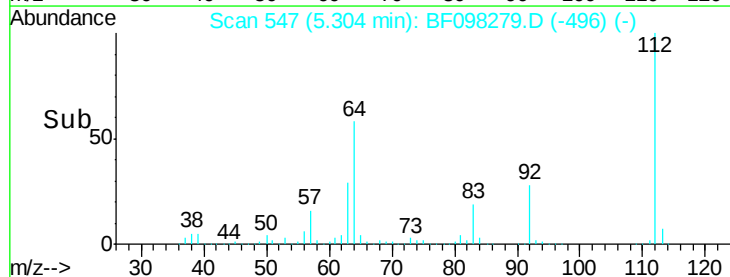
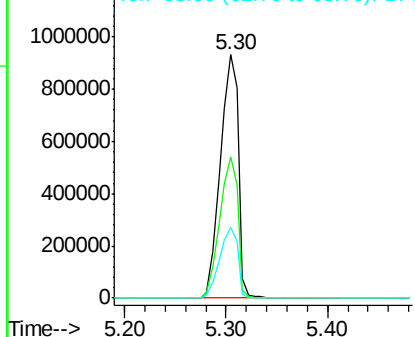
#5

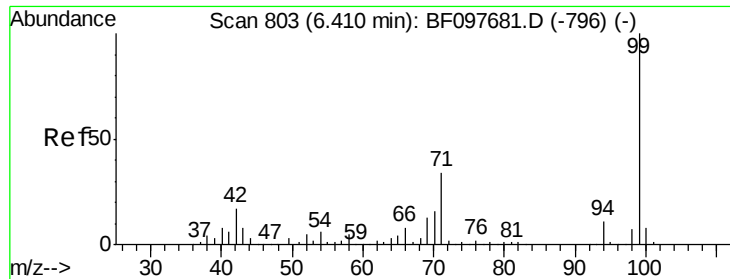
2-Fluorophenol
Concen: 153.57 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF098279.D
Acq: 6 Sep 2017 18:18

Tgt Ion:112 Resp: 1146190
Ion Ratio Lower Upper
112 100
64 58.1 46.0 69.0
63 29.0 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: 151.78 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF098279.D

Acq: 6 Sep 2017 18:18

Instrument :

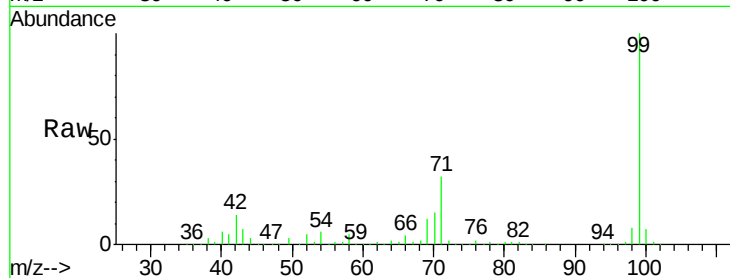
BNA_F

ClientSampleId :

OR-02-083117

Tot Ion: 99 Resp: 1539190

Ion	Ratio	Lower	Upper
99	100		
42	14.1	13.5	20.3
71	31.9	24.5	36.7



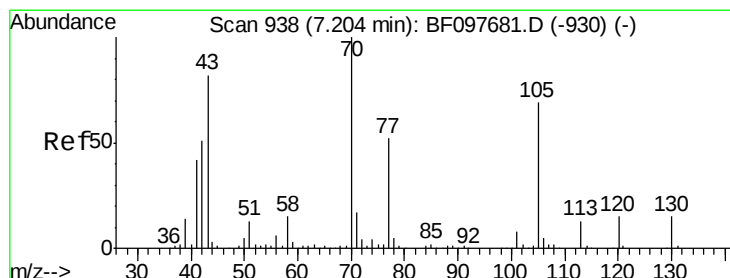
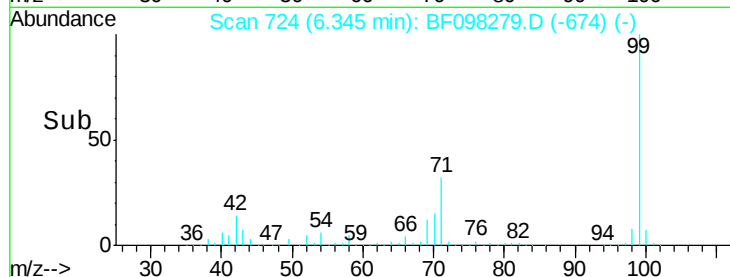
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

6.35

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 18.61 ng

RT: 7.26 min Scan# 880

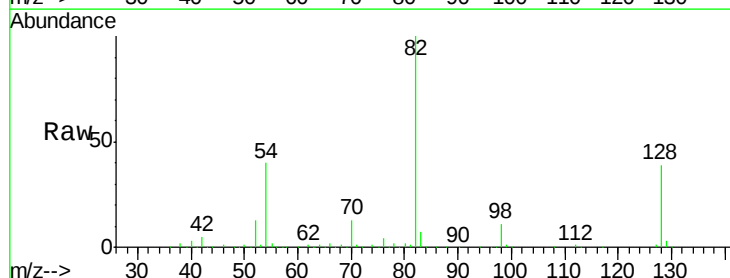
Delta R.T. 0.14 min

Lab File: BF098279.D

Acq: 6 Sep 2017 18:18

Tgt Ion: 70 Resp: 129170

Ion	Ratio	Lower	Upper
70	100		
42	38.8	47.2	70.8#
101	0.0	7.2	10.8#
130	1.7	15.9	23.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0

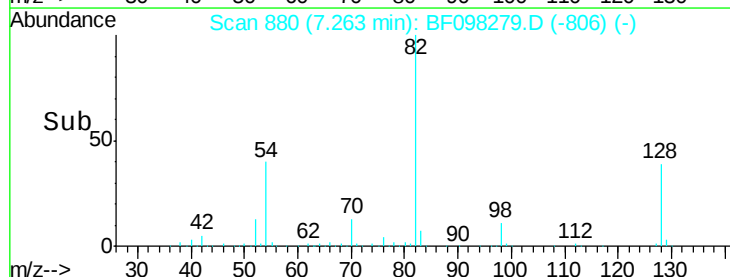
Ion 42.00 (41.70 to 42.70): BF0

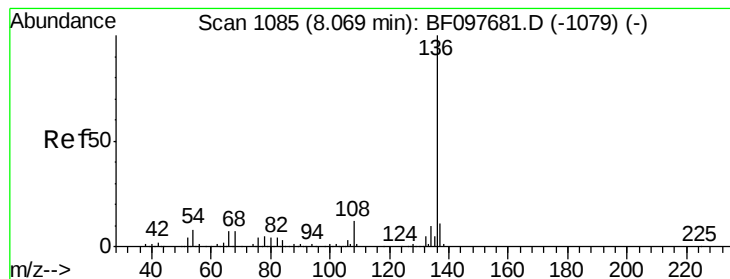
Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

7.26

Time-->





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF098279.D

Acq: 6 Sep 2017 18:18

Instrument :

BNA_F

ClientSampleId :

OR-02-083117

Tot Ion:136 Resp: 461409

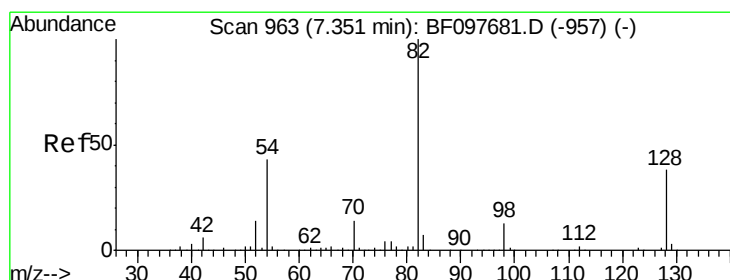
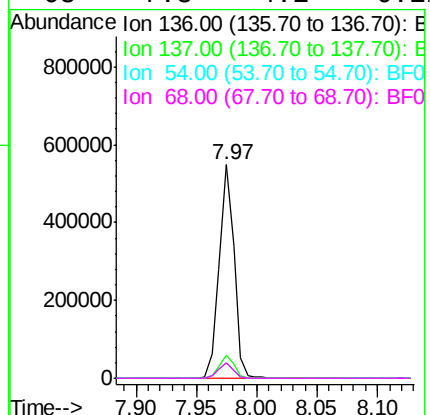
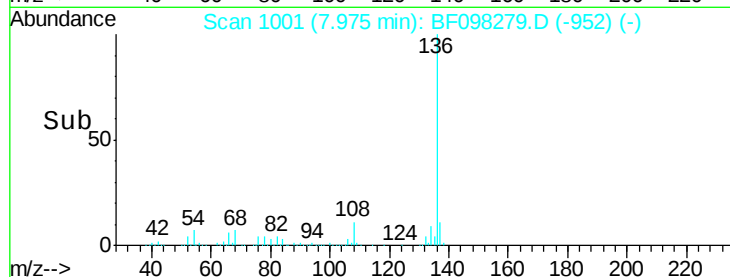
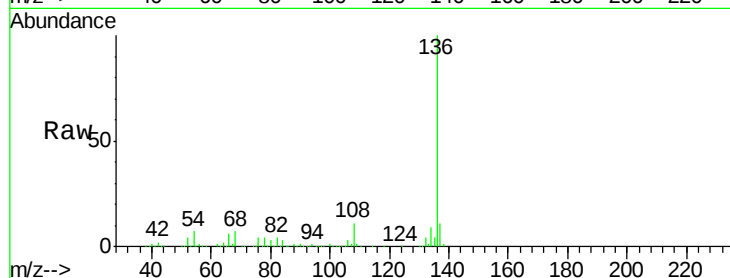
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.3 4.9 7.3#

68 7.3 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 114.81 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF098279.D

Acq: 6 Sep 2017 18:18

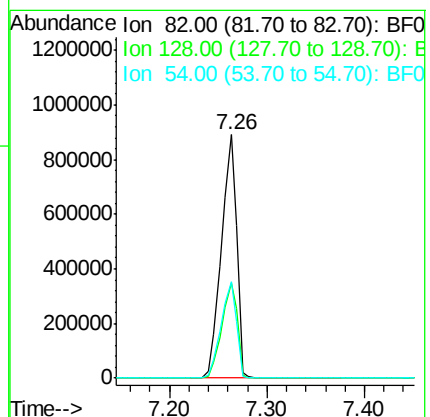
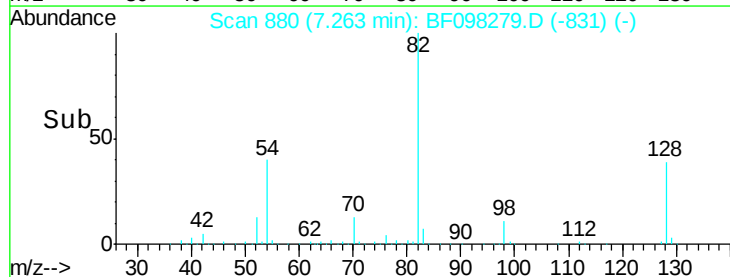
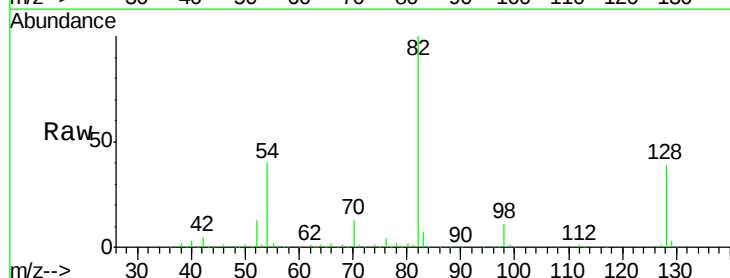
Tgt Ion: 82 Resp: 975126

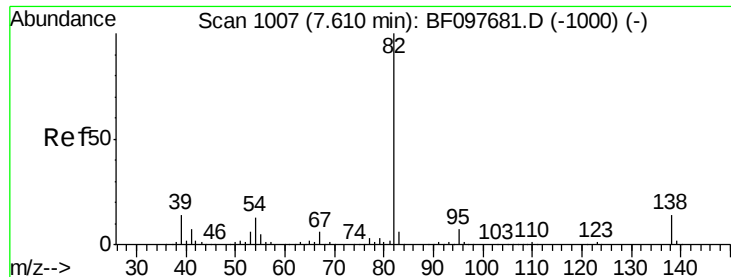
Ion Ratio Lower Upper

82 100

128 39.0 34.0 51.0

54 39.8 42.2 63.2#





#25

Isophorone

Concen: 54.98 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.27 min

Lab File: BF098279.D

Acq: 6 Sep 2017 18:18

Instrument :

BNA_F

ClientSampleId :

OR-02-083117

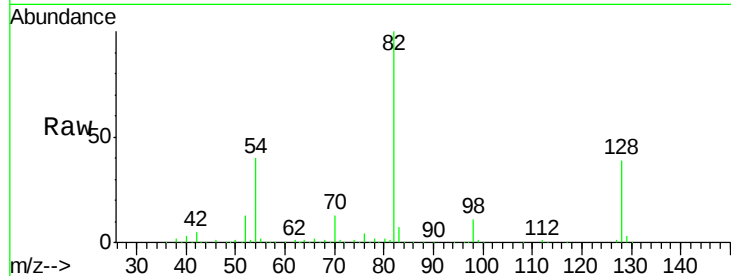
Tot Ion: 82 Resp: 970929

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

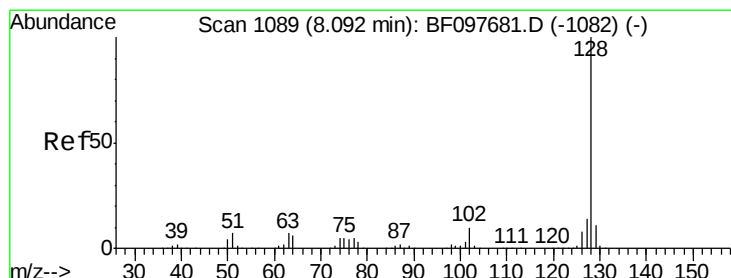
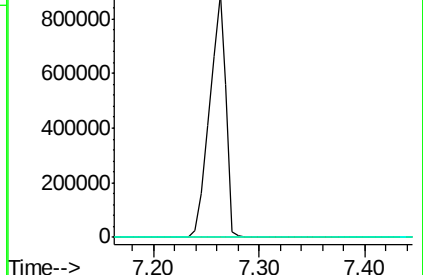
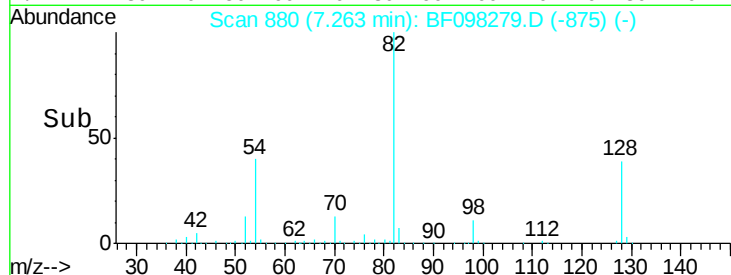
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF098279.D (-875) (-)

Ion 95.00 (94.70 to 95.70): BF098279.D (-875) (-)

Ion 138.00 (137.70 to 138.70): BF098279.D (-875) (-)



#31

Naphthalene

Concen: 7.74 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF098279.D

Acq: 6 Sep 2017 18:18

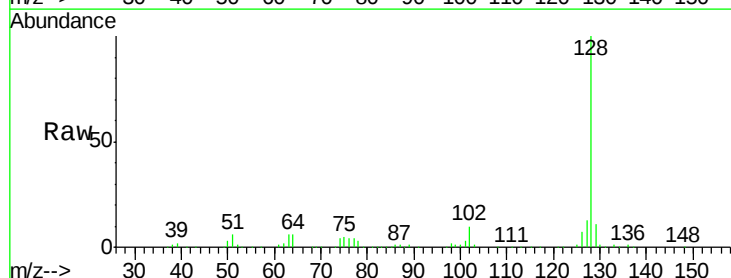
Tgt Ion: 128 Resp: 185484

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

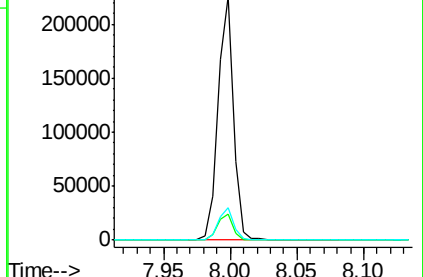
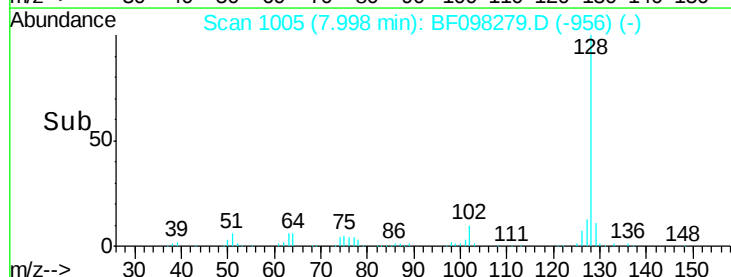
127 13.1 10.8 16.2

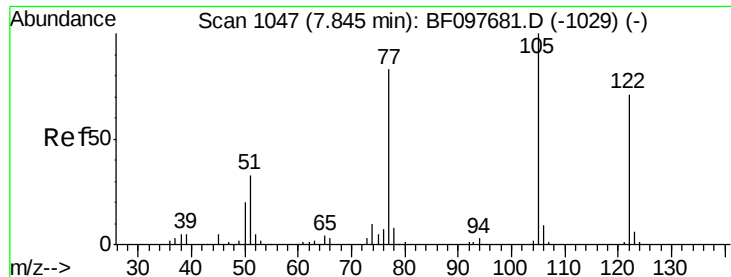


Abundance Ion 128.00 (127.70 to 128.70): BF098279.D (-956) (-)

Ion 129.00 (128.70 to 129.70): BF098279.D (-956) (-)

Ion 127.00 (126.70 to 127.70): BF098279.D (-956) (-)

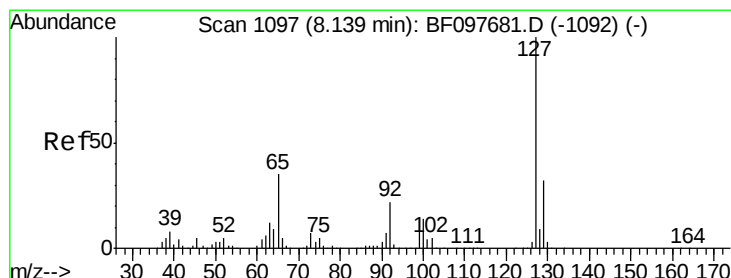
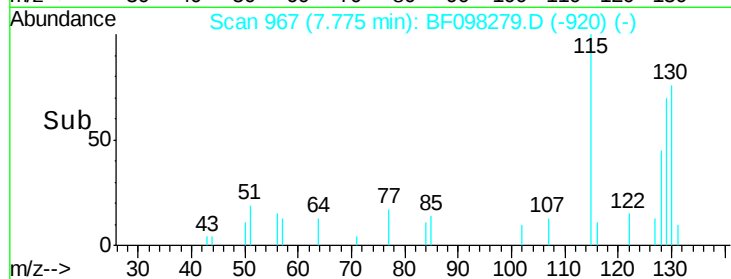
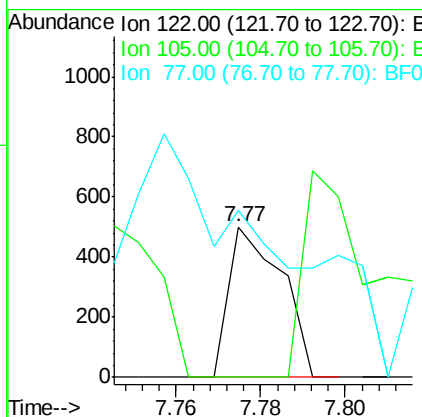
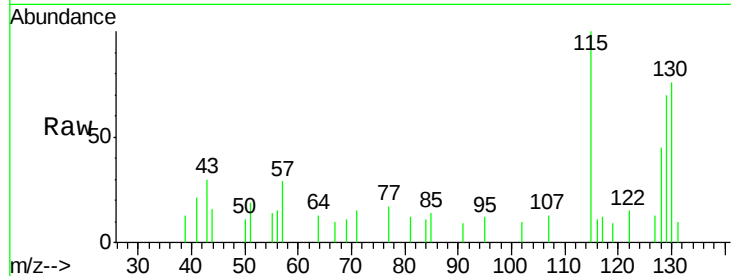




#32
Benzoic acid
Concen: 6.47 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.02 min
Lab File: BF098279.D
Acq: 6 Sep 2017 18:18

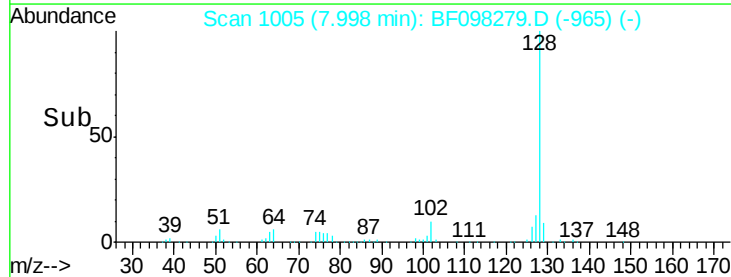
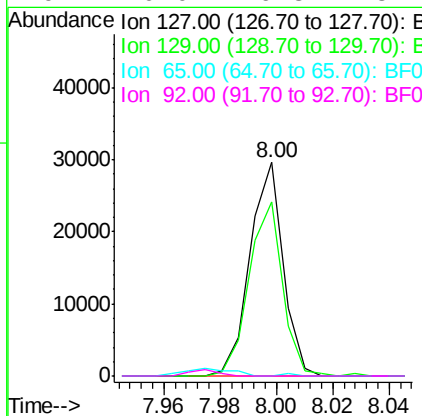
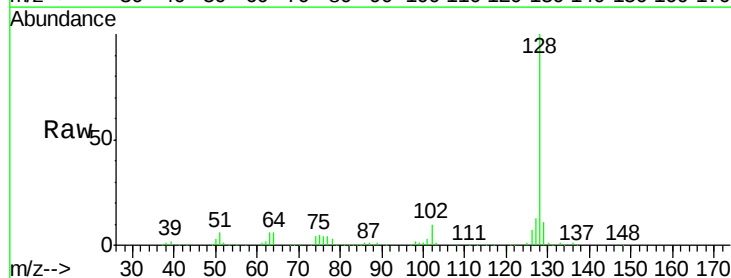
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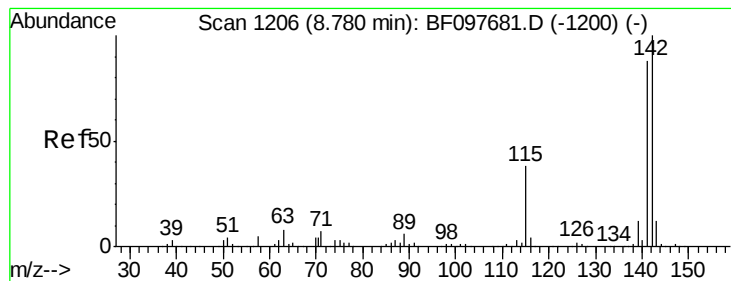
Tot Ion:122 Resp: 436
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 110.8 73.7 113.7



#33
4-Chloroaniline
Concen: 2.39 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.06 min
Lab File: BF098279.D
Acq: 6 Sep 2017 18:18

Tgt Ion:127 Resp: 24114
Ion Ratio Lower Upper
127 100
129 81.7 26.2 39.2#
65 0.0 27.8 41.8#
92 0.0 16.8 25.2#





#37

2-Methylnaphthalene

Concen: 6.78 ng

RT: 8.69 min Scan# 1122

Delta R.T. -0.02 min

Lab File: BF098279.D

Acq: 6 Sep 2017 18:18

Instrument :

BNA_F

ClientSampleId :

OR-02-083117

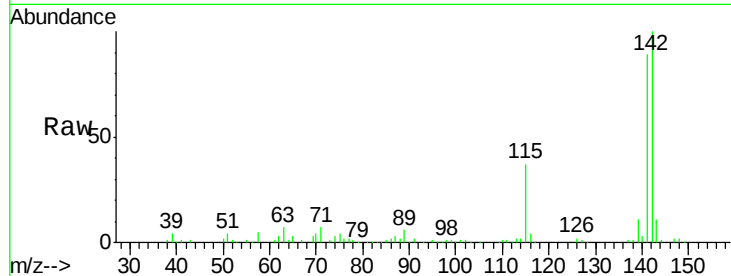
Tot Ion:142 Resp: 99573

Ion Ratio Lower Upper

142 100

141 89.1 71.3 106.9

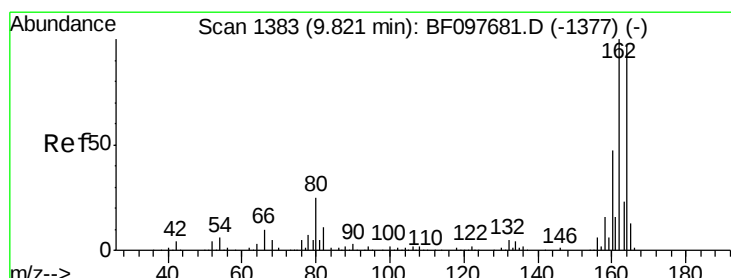
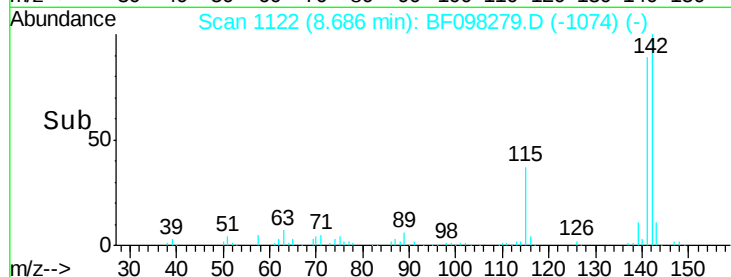
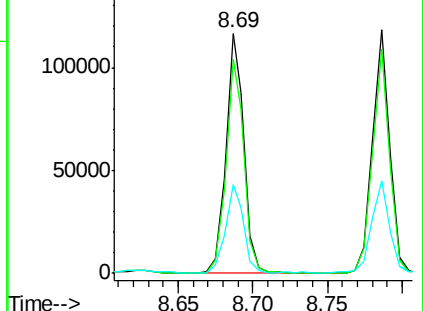
115 37.0 27.1 40.7



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: 20.00 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF098279.D

Acq: 6 Sep 2017 18:18

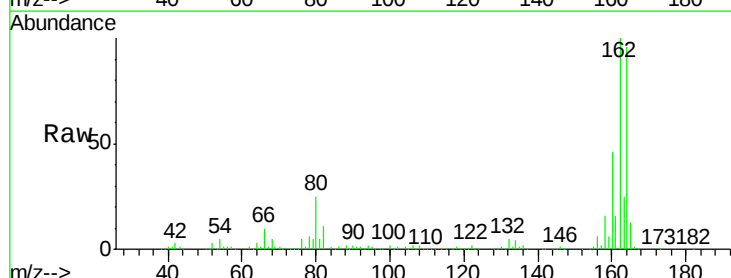
Tgt Ion:164 Resp: 202143

Ion Ratio Lower Upper

164 100

162 103.6 82.6 123.8

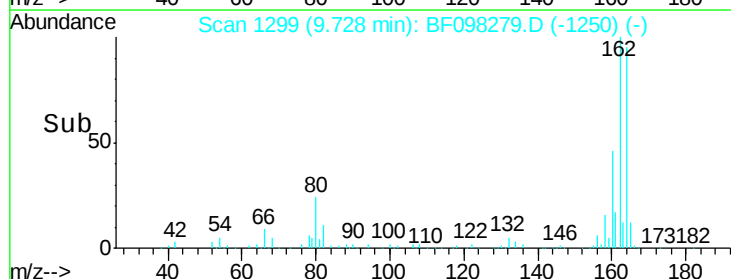
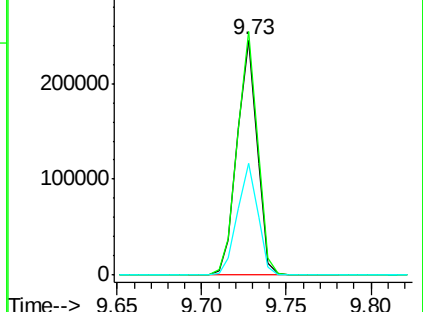
160 47.5 36.2 54.2

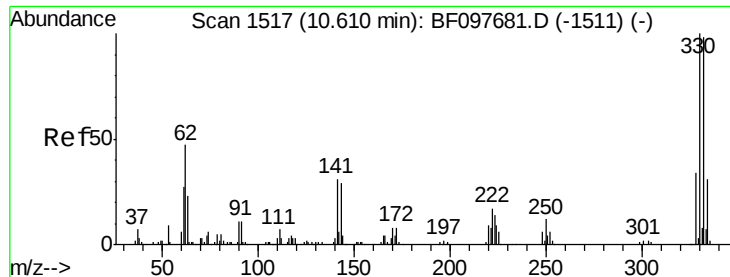


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

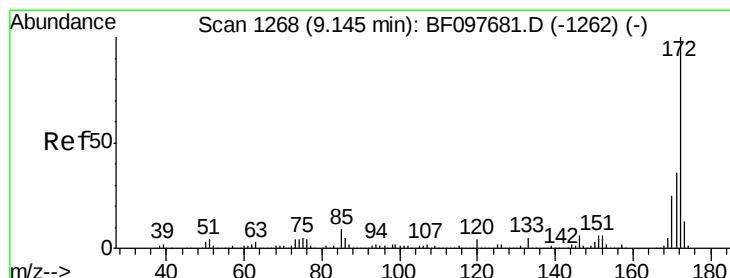
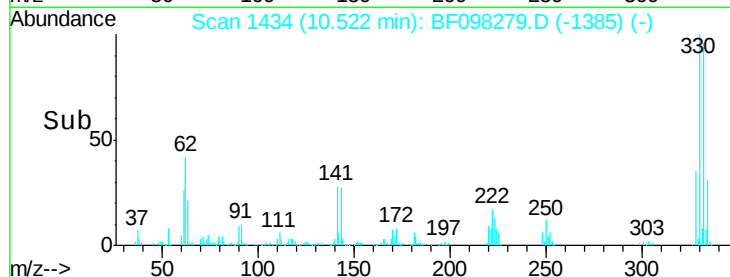
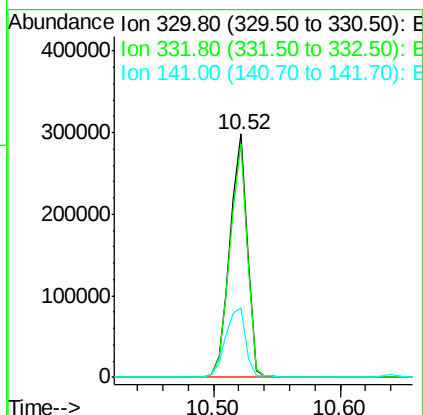
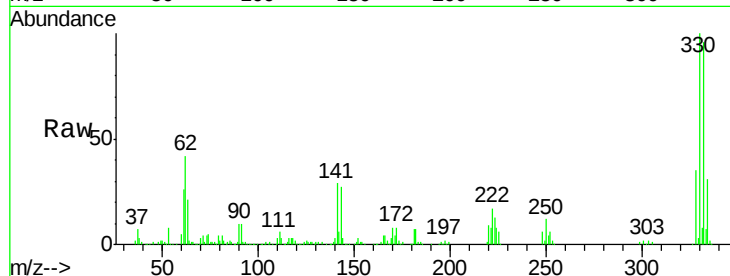




#41
 2,4,6-Tribromophenol
 Concen: 161.71 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF098279.D
 Acq: 6 Sep 2017 18:18

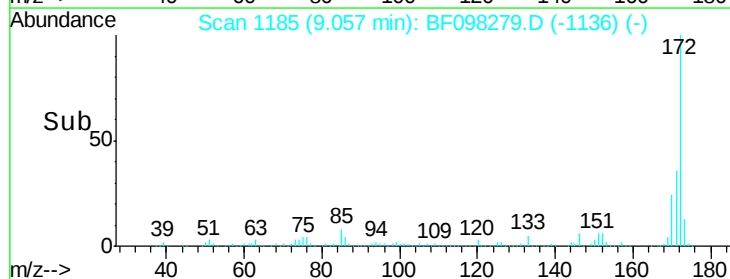
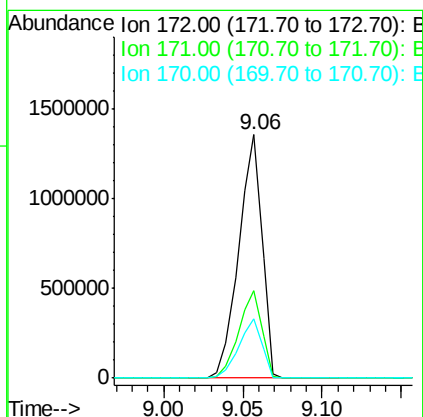
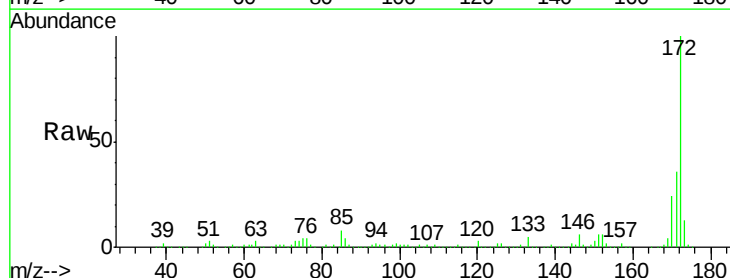
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-083117

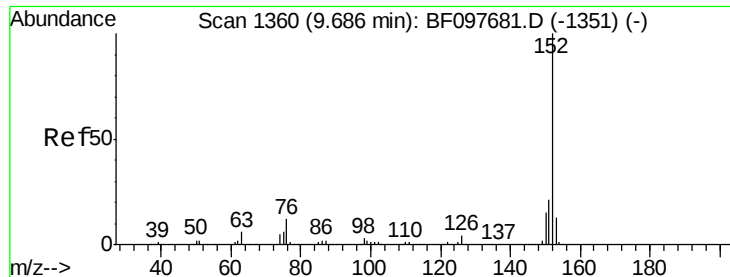
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	115.0
141	32.6	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 99.92 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF098279.D
 Acq: 6 Sep 2017 18:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.2	19.8	29.8

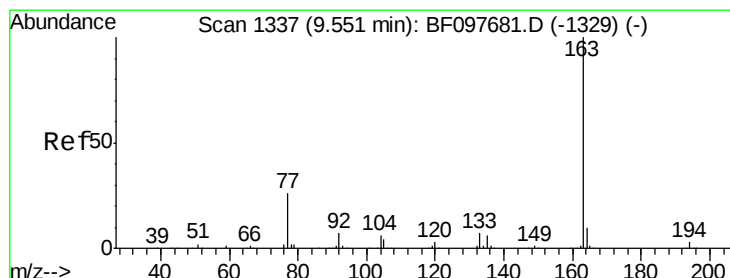
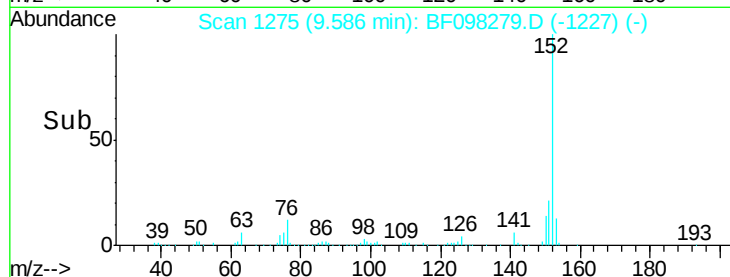
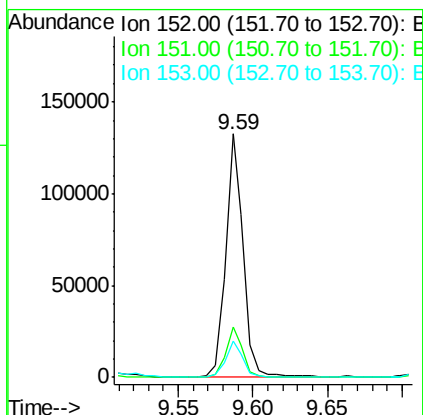
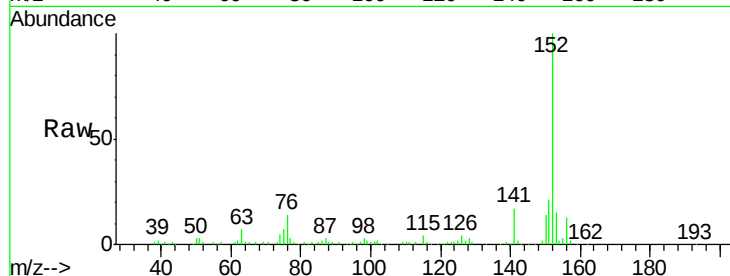




#48
Acenaphthylene
Concen: 5.13 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF098279.D
Acq: 6 Sep 2017 18:18

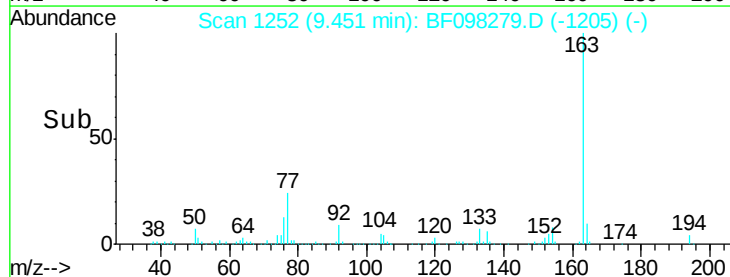
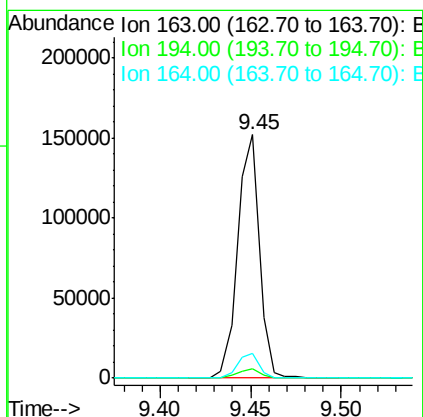
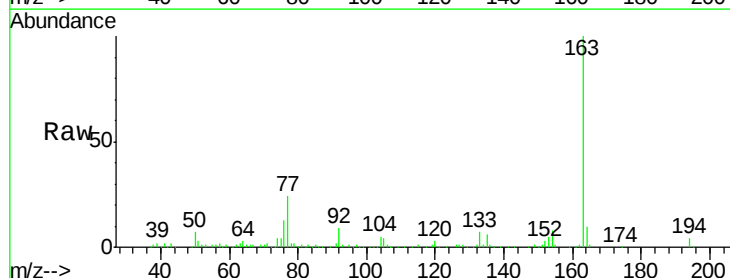
Instrument :
BNA_F
ClientSampleId :
OR-02-083117

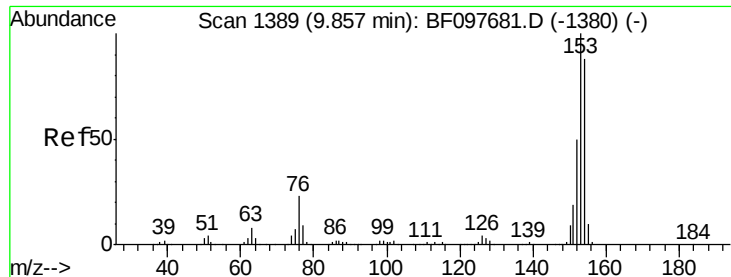
Tot Ion:152 Resp: 109668
Ion Ratio Lower Upper
152 100
151 20.7 16.8 25.2
153 14.6 10.8 16.2



#49
Dimethylphthalate
Concen: 8.62 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF098279.D
Acq: 6 Sep 2017 18:18

Tgt Ion:163 Resp: 127390
Ion Ratio Lower Upper
163 100
194 3.9 2.6 4.0
164 10.0 8.4 12.6





#51

Acenaphthene

Concen: 4.99 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.02 min

Lab File: BF098279.D

Acq: 6 Sep 2017 18:18

Instrument :

BNA_F

ClientSampleId :

OR-02-083117

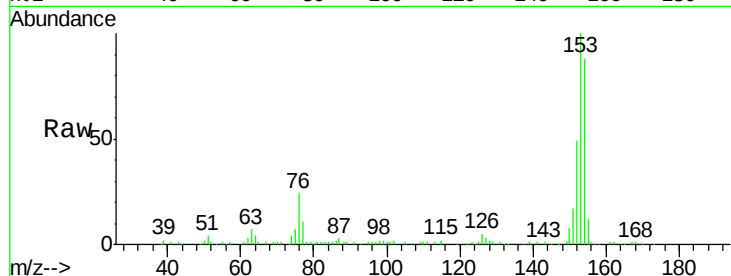
Tot Ion:154 Resp: 67289

Ion Ratio Lower Upper

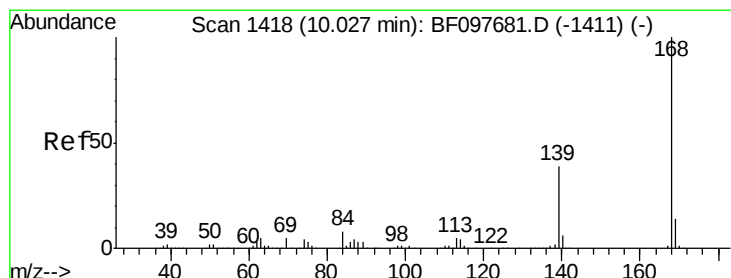
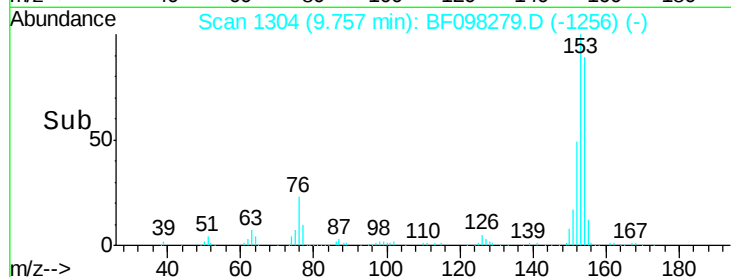
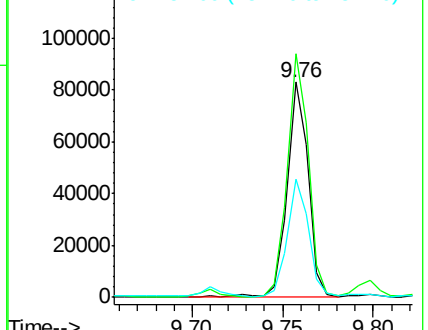
154 100

153 113.1 90.5 135.7

152 55.0 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: 4.14 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF098279.D

Acq: 6 Sep 2017 18:18

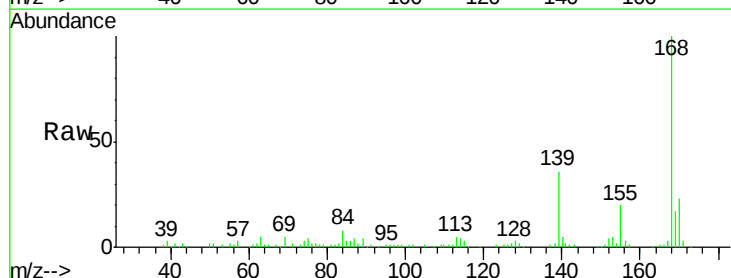
Tgt Ion:168 Resp: 74840

Ion Ratio Lower Upper

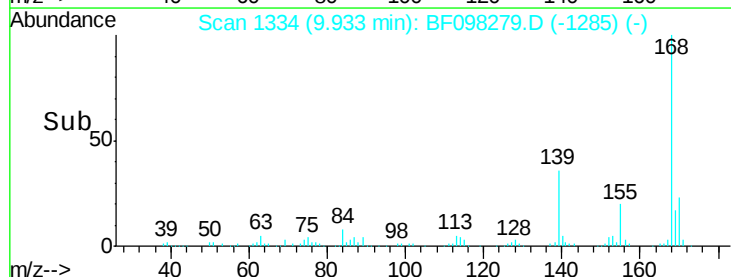
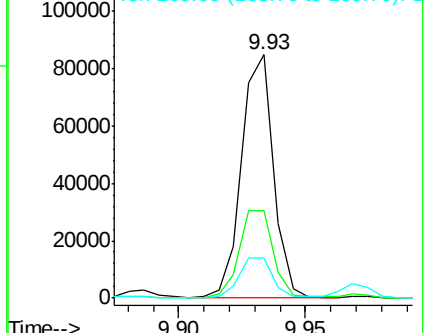
168 100

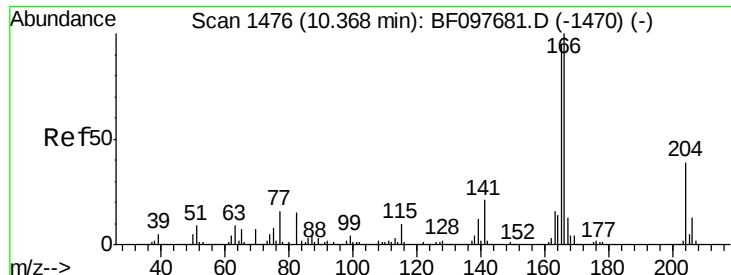
139 35.9 30.6 45.8

169 16.7 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

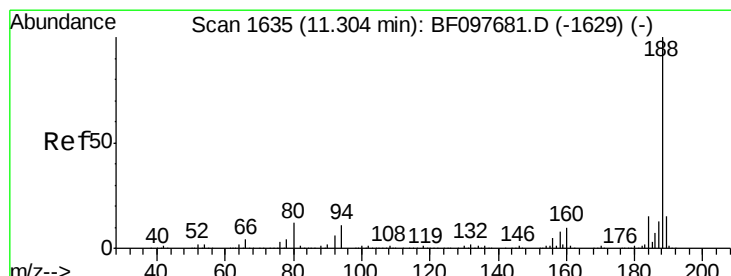
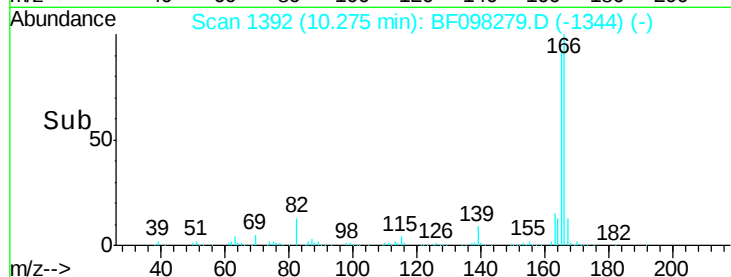
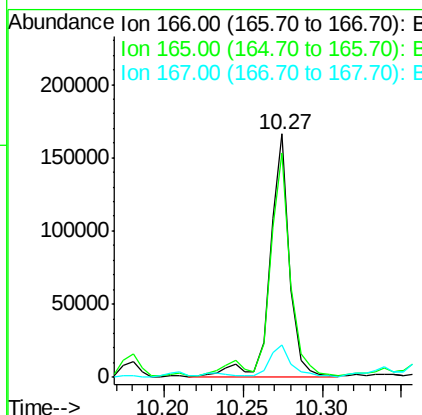
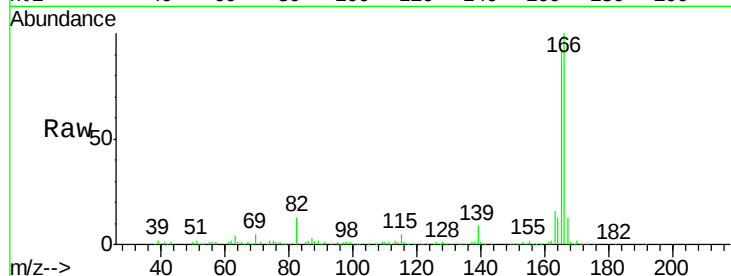




#57
Fluorene
 Concen: 10.12 ng
 RT: 10.27 min Scan# 1392
 Delta R.T. -0.02 min
 Lab File: BF098279.D
 Acq: 6 Sep 2017 18:18

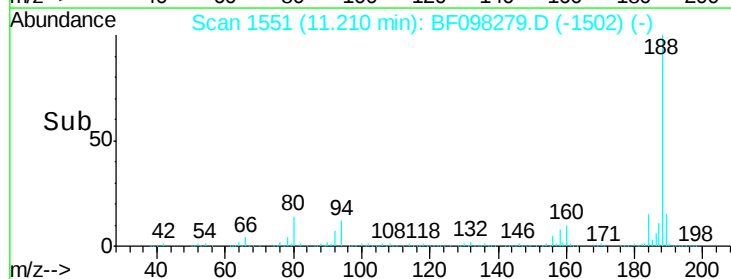
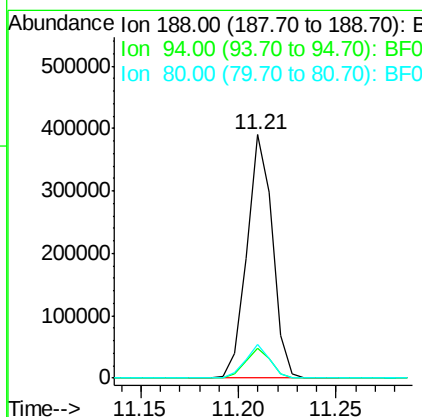
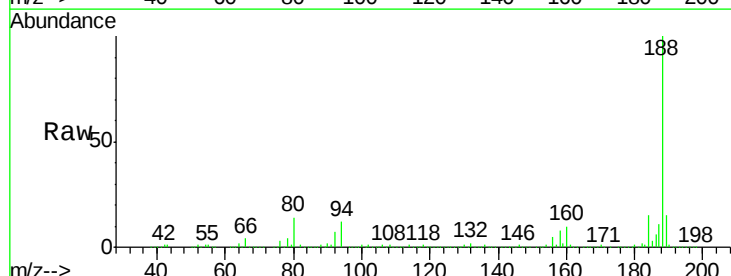
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-083117

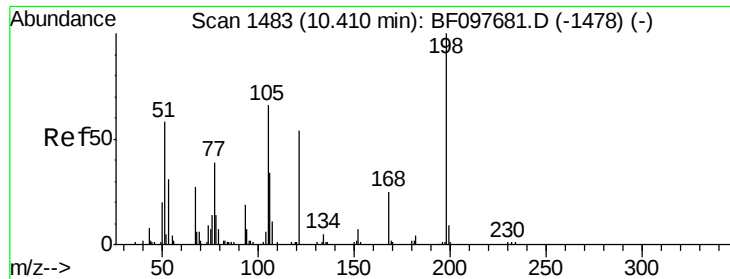
Tot Ion:166 Resp: 141518
 Ion Ratio Lower Upper
 166 100
 165 92.3 78.8 118.2
 167 13.4 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF098279.D
 Acq: 6 Sep 2017 18:18

Tgt Ion:188 Resp: 352957
 Ion Ratio Lower Upper
 188 100
 94 12.5 9.4 14.2
 80 13.6 10.2 15.2

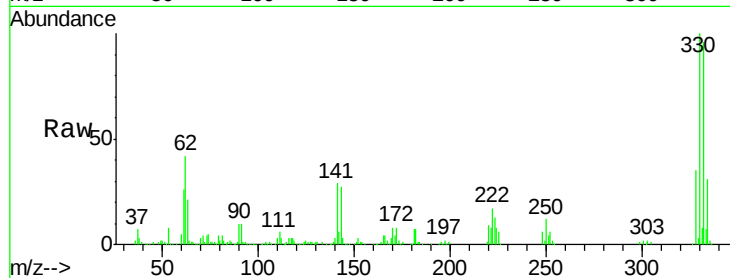




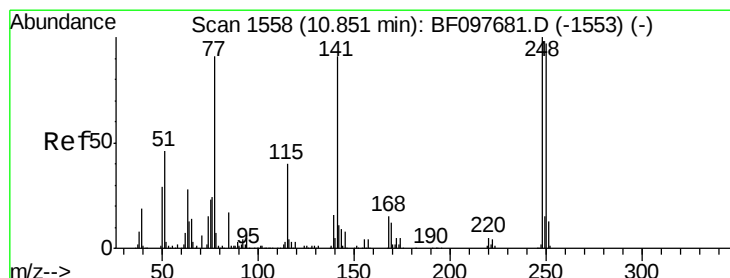
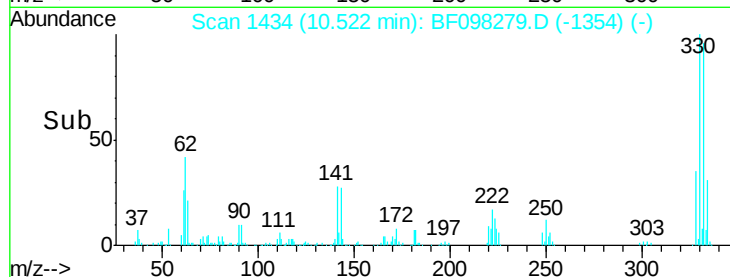
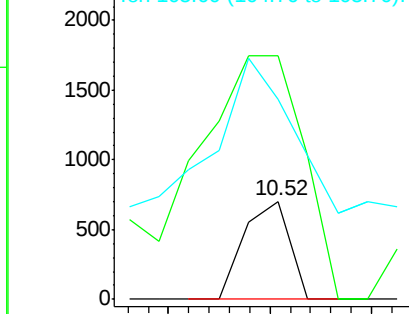
#64
4,6-Dinitro-2-methylphenol
Concen: 8.54 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.17 min
Lab File: BF098279.D
Acq: 6 Sep 2017 18:18

Instrument :
BNA_F
ClientSampleId :
OR-02-083117

Tot Ion:198 Resp: 443
Ion Ratio Lower Upper
198 100
51 248.7 53.2 93.2#
105 204.1 45.8 85.8#

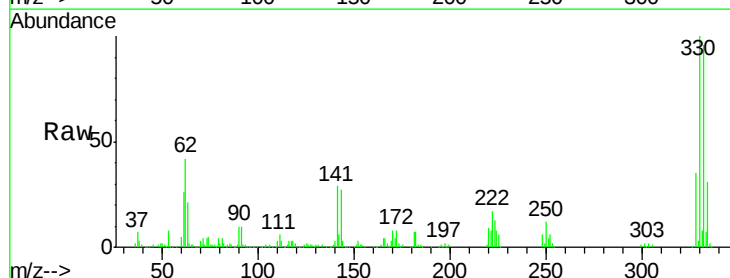


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

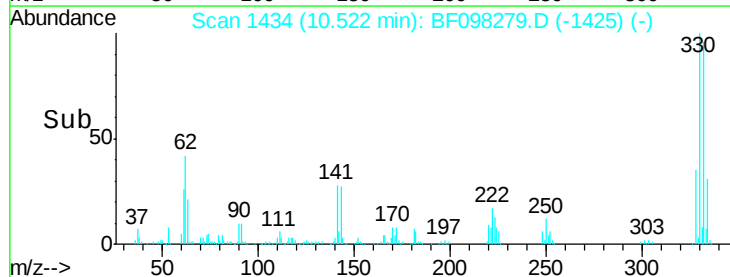
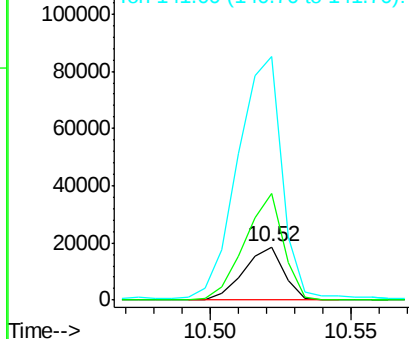


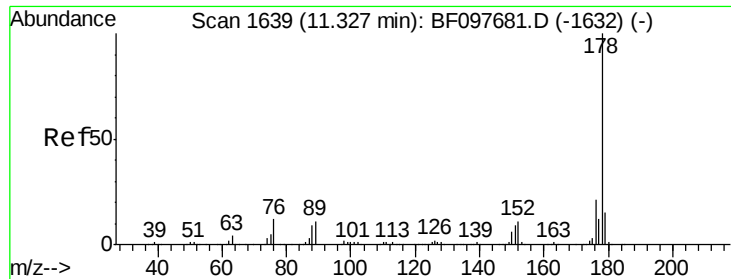
#66
4-Bromophenyl-phenylether
Concen: 4.95 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.25 min
Lab File: BF098279.D
Acq: 6 Sep 2017 18:18

Tgt Ion:248 Resp: 18128
Ion Ratio Lower Upper
248 100
250 200.3 76.8 115.2#
141 458.9 68.6 103.0#



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

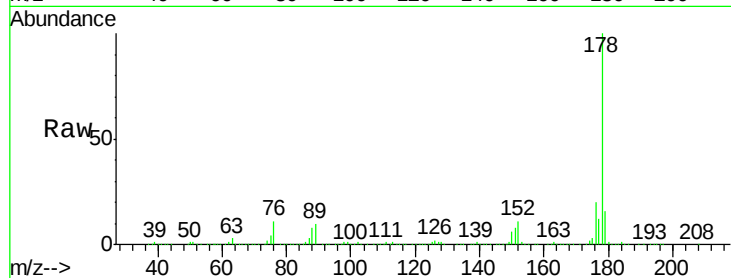




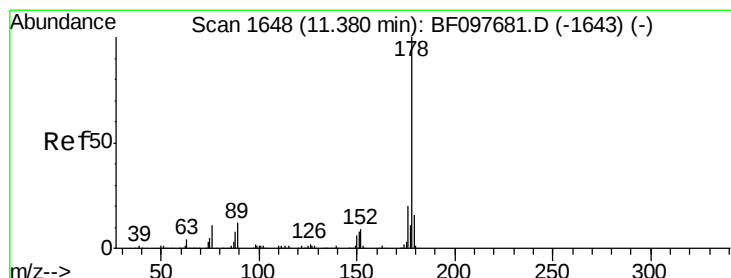
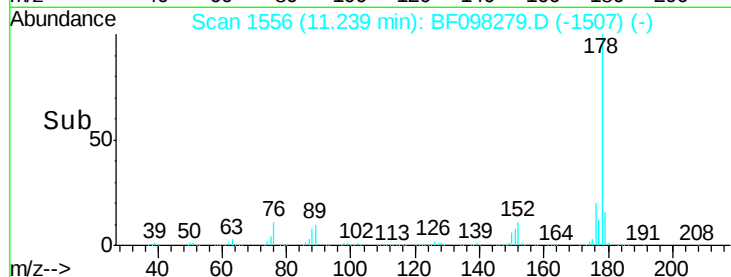
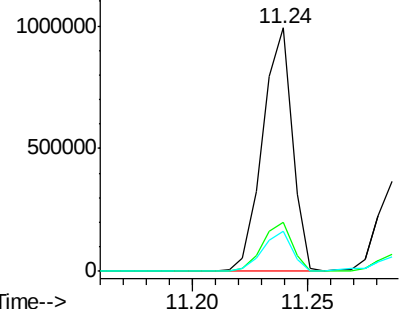
#70
Phenanthrene
Concen: 47.04 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF098279.D
Acq: 6 Sep 2017 18:18

Instrument :
BNA_F
ClientSampleId :
OR-02-083117

Tot Ion:178 Resp: 884760
Ion Ratio Lower Upper
178 100
176 20.3 16.2 24.4
179 16.4 12.6 19.0

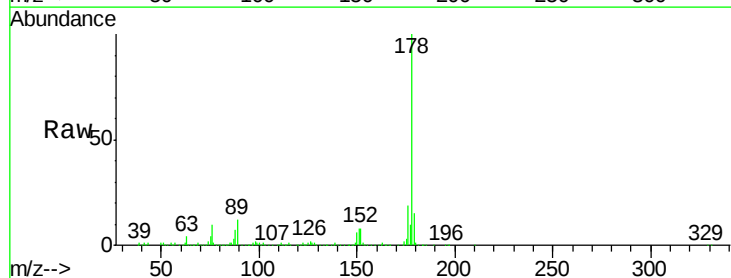


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

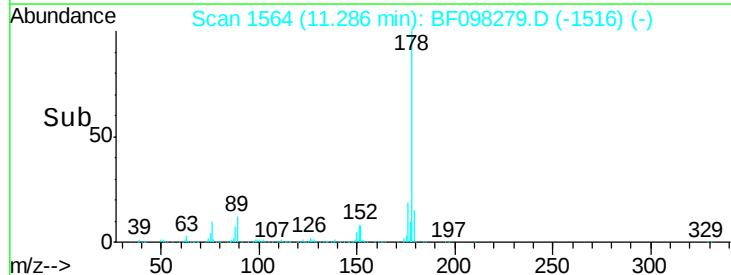
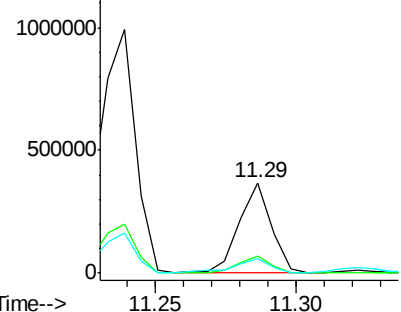


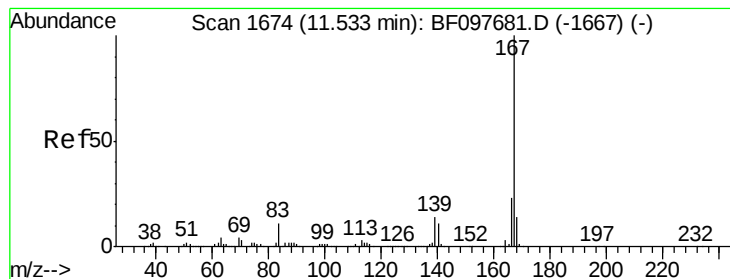
#71
Anthracene
Concen: 15.05 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.02 min
Lab File: BF098279.D
Acq: 6 Sep 2017 18:18

Tgt Ion:178 Resp: 287018
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.4 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: 2.94 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.02 min

Lab File: BF098279.D

Acq: 6 Sep 2017 18:18

Instrument :

BNA_F

ClientSampleId :

OR-02-083117

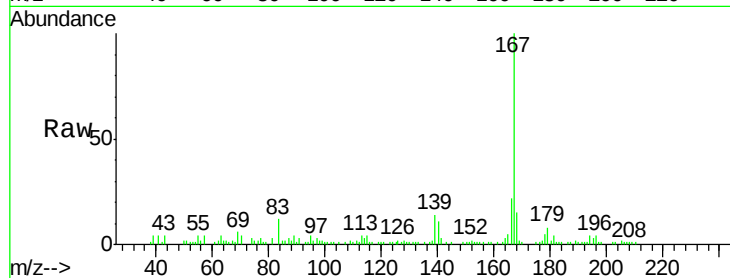
Tot Ion:167 Resp: 53277

Ion Ratio Lower Upper

167 100

166 22.4 18.1 27.1

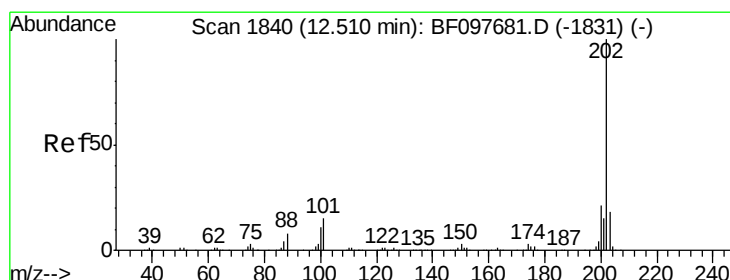
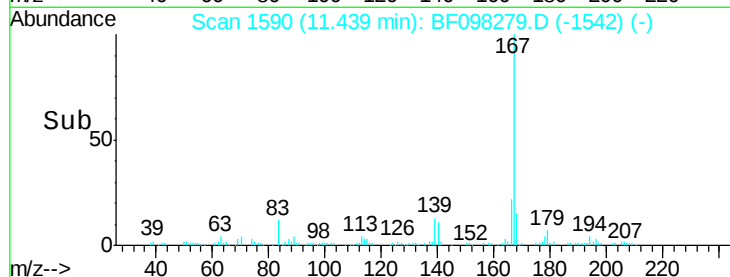
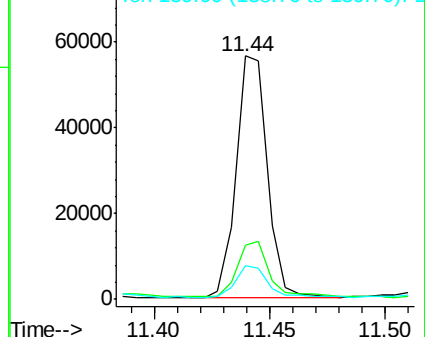
139 13.9 11.7 17.5



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: 71.01 ng

RT: 12.43 min Scan# 1758

Delta R.T. -0.01 min

Lab File: BF098279.D

Acq: 6 Sep 2017 18:18

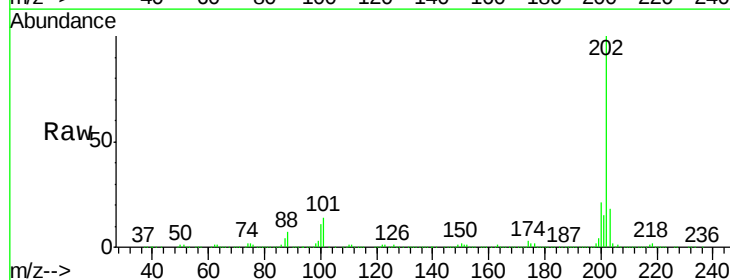
Tgt Ion:202 Resp: 1393984

Ion Ratio Lower Upper

202 100

101 14.3 0.0 33.2

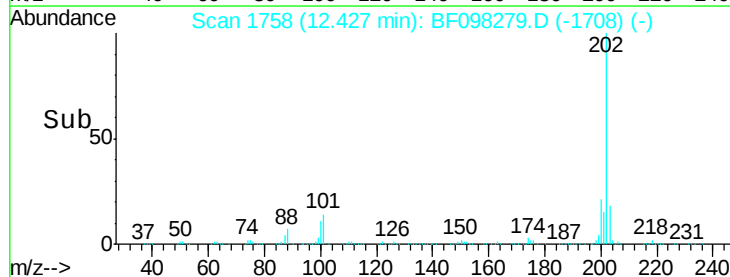
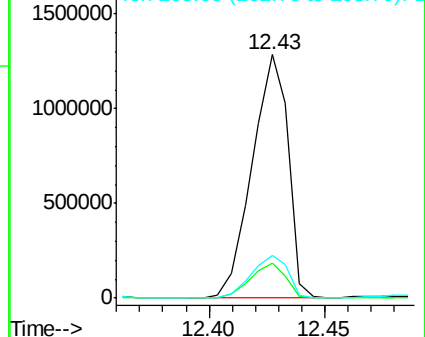
203 17.8 0.0 38.1

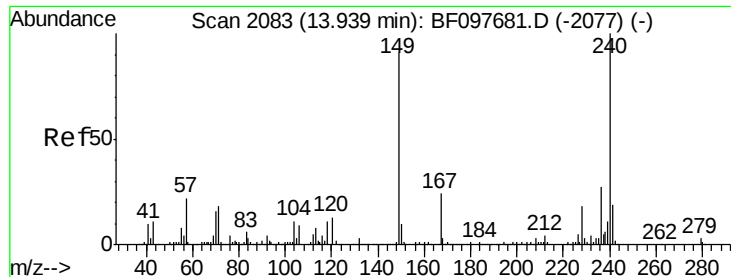


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF098279.D

Acq: 6 Sep 2017 18:18

Instrument :

BNA_F

ClientSampleId :

OR-02-083117

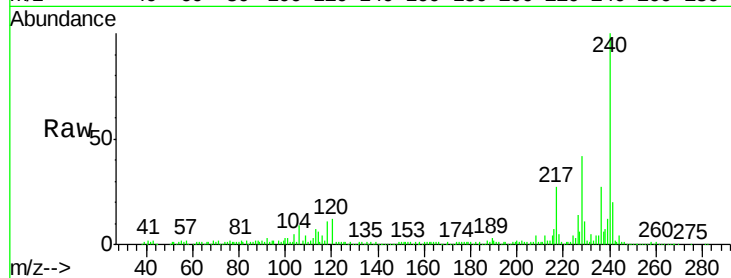
Tot Ion:240 Resp: 228912

Ion Ratio Lower Upper

240 100

120 12.4 5.8 8.8#

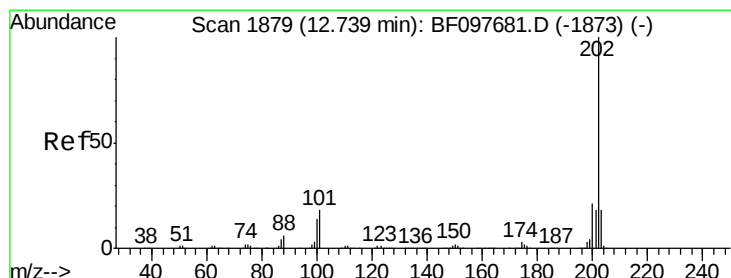
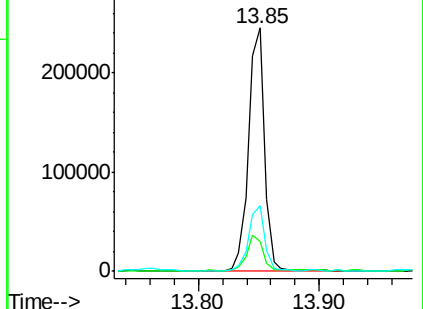
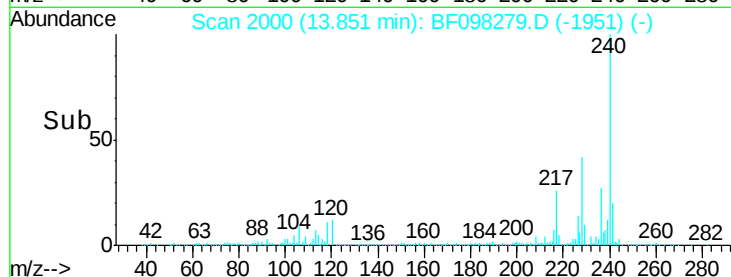
236 26.7 20.5 30.7



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

Pyrene

Concen: 68.16 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF098279.D

Acq: 6 Sep 2017 18:18

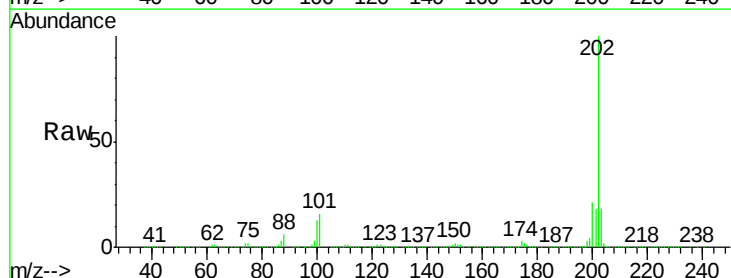
Tgt Ion:202 Resp: 1276125

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

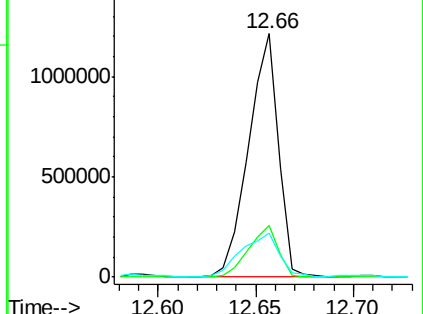
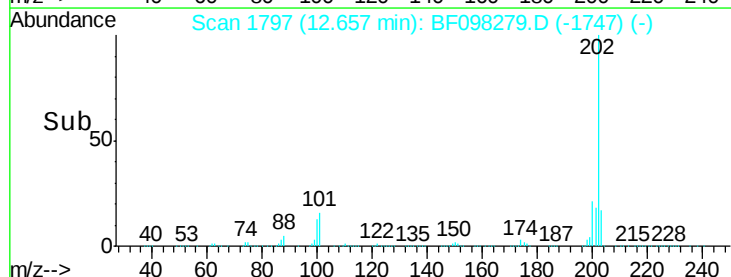
203 17.9 14.4 21.6

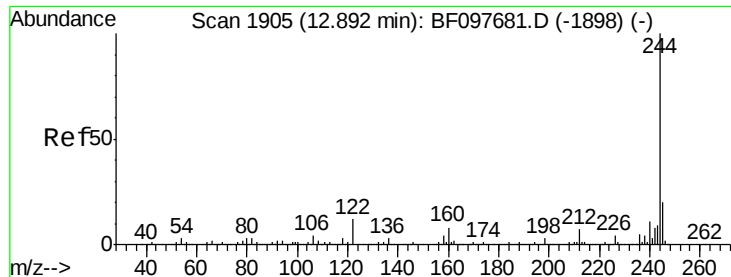


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 90.16 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF098279.D

Acq: 6 Sep 2017 18:18

Instrument :

BNA_F

ClientSampleId :

OR-02-083117

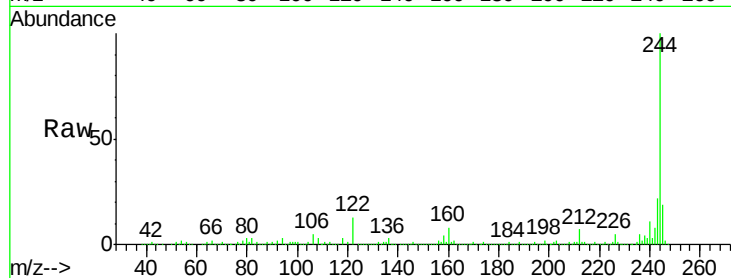
Tot Ion:244 Resp: 989666

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

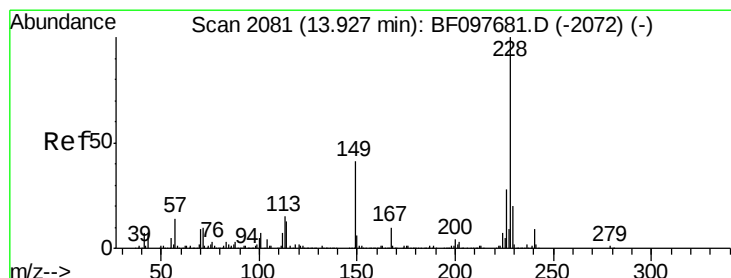
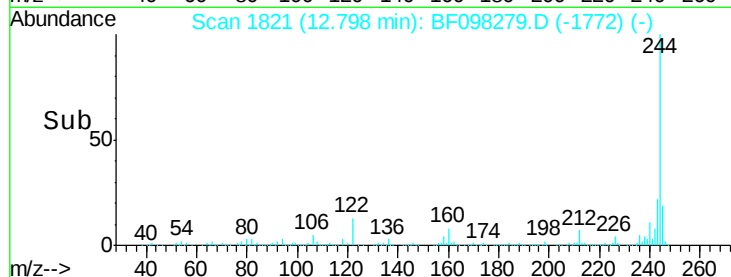
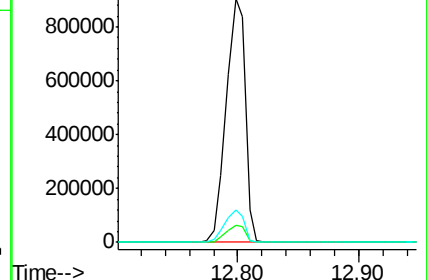
122 13.2 10.3 15.5



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: 51.65 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF098279.D

Acq: 6 Sep 2017 18:18

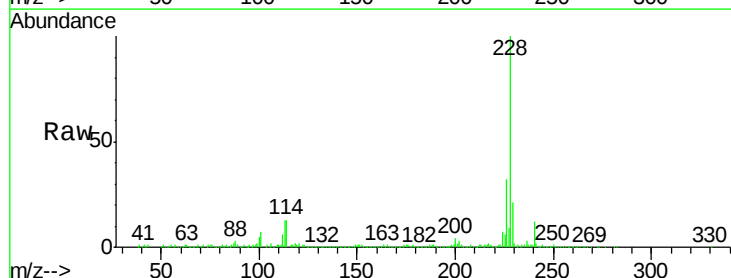
Tgt Ion:228 Resp: 708632

Ion Ratio Lower Upper

228 100

226 31.6 22.6 33.8

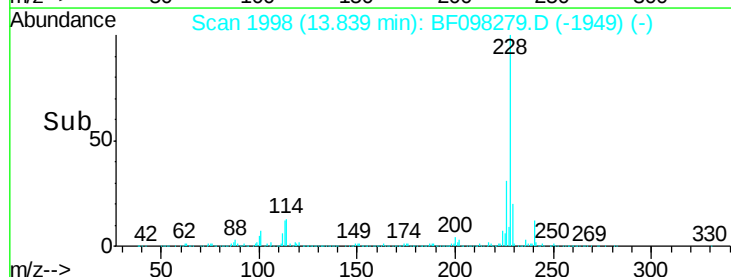
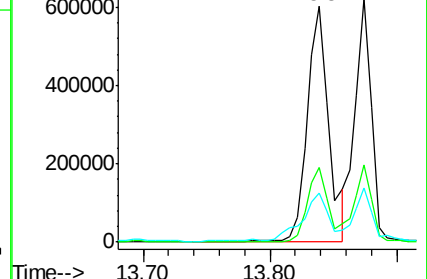
229 21.0 16.3 24.5

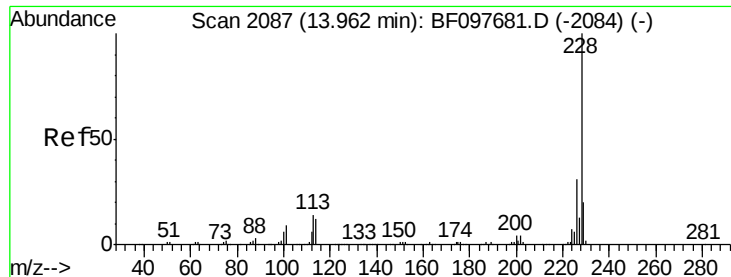


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

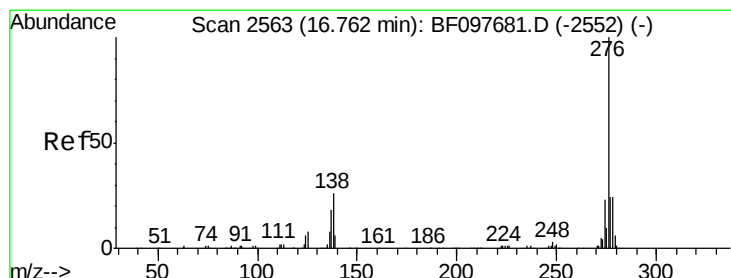
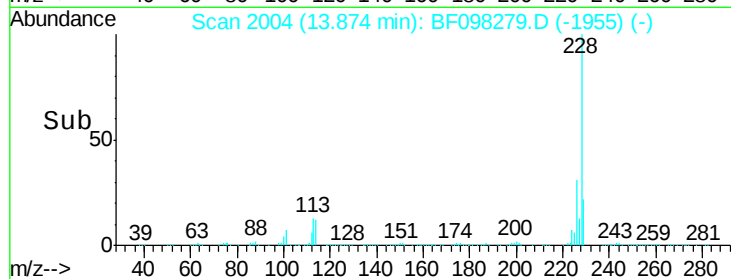
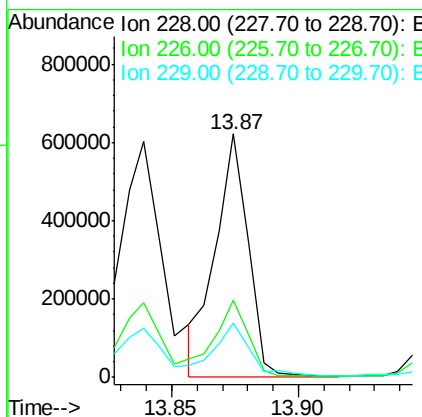
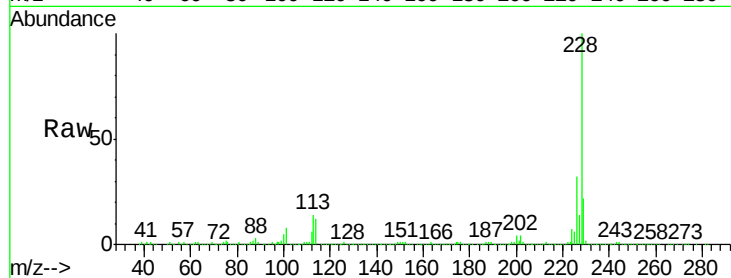




#82
Chrysene
Concen: 40.68 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF098279.D
Acq: 6 Sep 2017 18:18

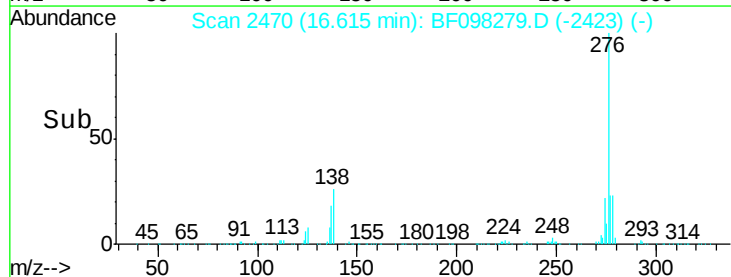
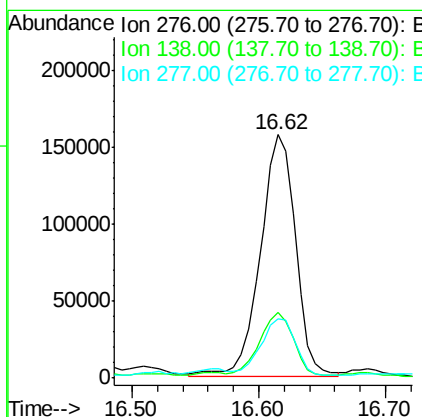
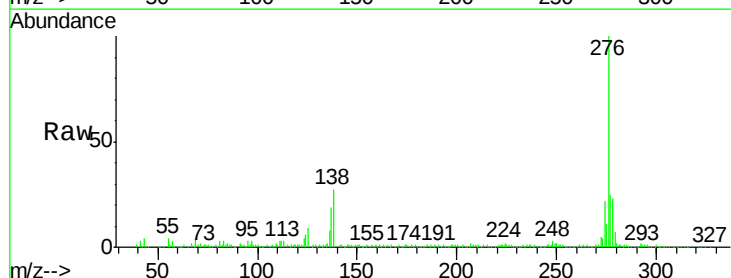
Instrument :
BNA_F
ClientSampleId :
OR-02-083117

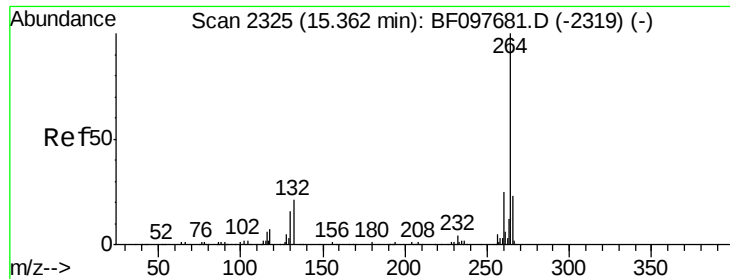
Tot Ion:228	Resp:	555245
Ion	Ratio	Lower Upper
228	100	
226	31.8	24.9 37.3
229	22.4	15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 30.23 ng
RT: 16.62 min Scan# 2470
Delta R.T. -0.02 min
Lab File: BF098279.D
Acq: 6 Sep 2017 18:18

Tgt Ion:276	Resp:	303505
Ion	Ratio	Lower Upper
276	100	
138	25.5	27.8 41.6#
277	23.4	20.2 30.4

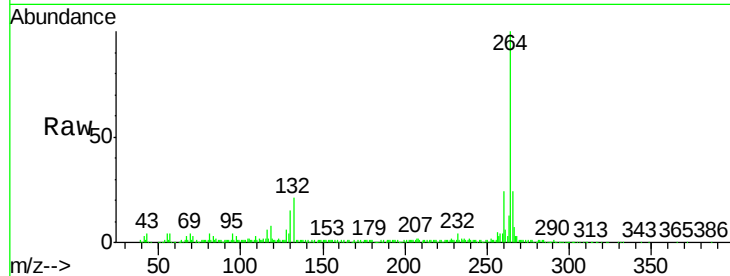




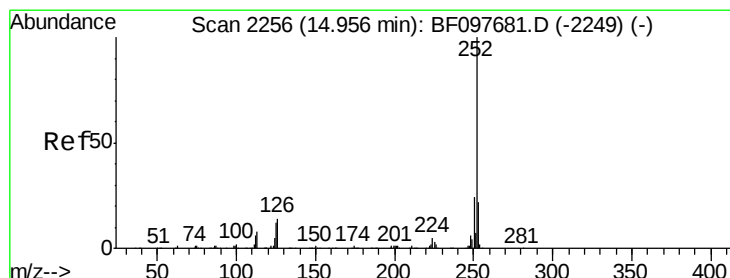
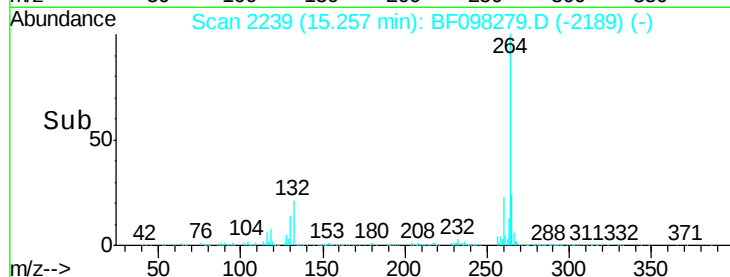
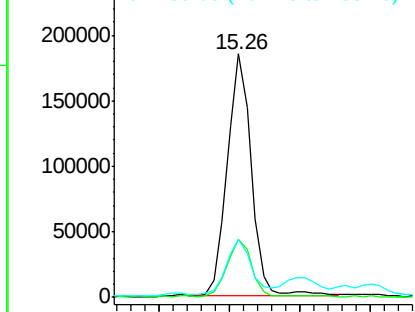
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF098279.D
Acq: 6 Sep 2017 18:18

Instrument :
BNA_F
ClientSampleId :
OR-02-083117

Tot Ion:264 Resp: 218746
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 24.1 17.2 25.8

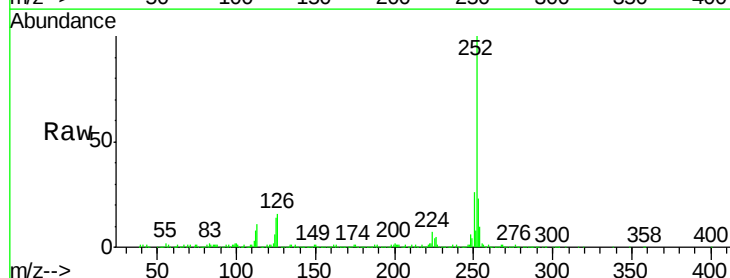


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

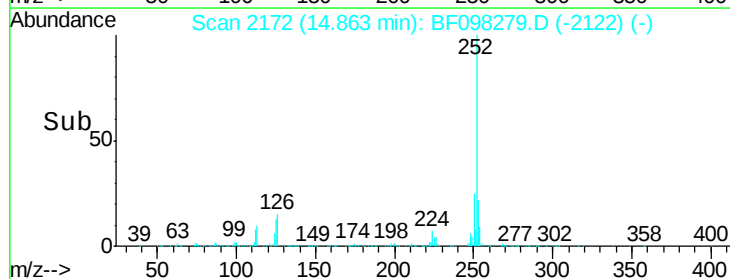
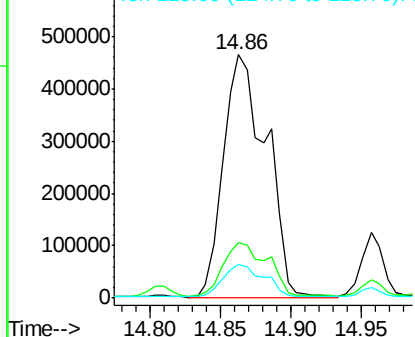


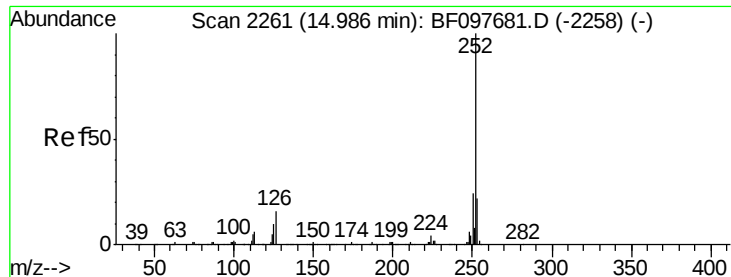
#87
Benzo(b)fluoranthene
Concen: 71.57 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BF098279.D
Acq: 6 Sep 2017 18:18

Tgt Ion:252 Resp: 986874
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 14.0 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: 76.18 ng

RT: 14.86 min Scan# 2172

Delta R.T. -0.04 min

Lab File: BF098279.D

Acq: 6 Sep 2017 18:18

Instrument :

BNA_F

ClientSampleId :

OR-02-083117

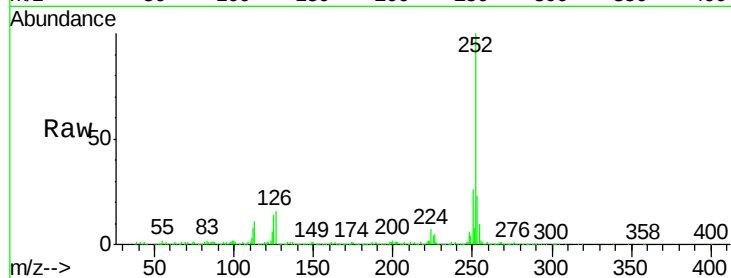
Tot Ion:252 Resp: 986874

Ion Ratio Lower Upper

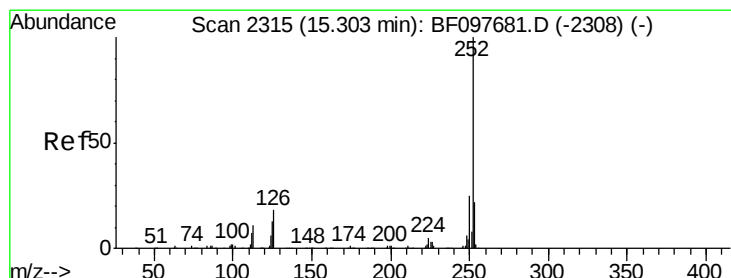
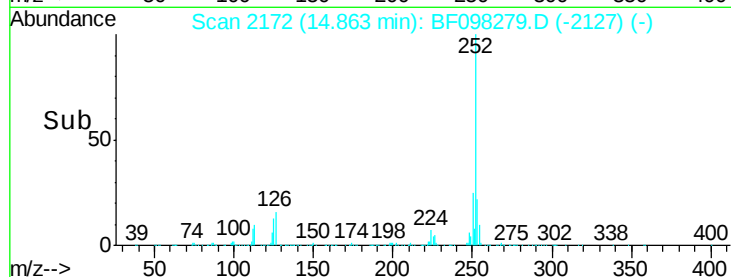
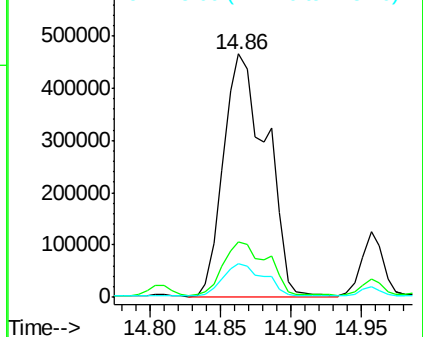
252 100

253 22.6 18.4 27.6

125 14.0 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: 43.27 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BF098279.D

Acq: 6 Sep 2017 18:18

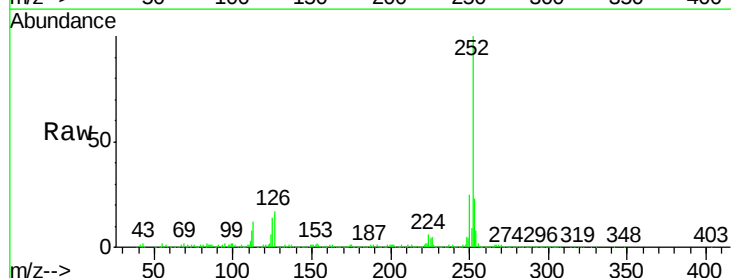
Tgt Ion:252 Resp: 528144

Ion Ratio Lower Upper

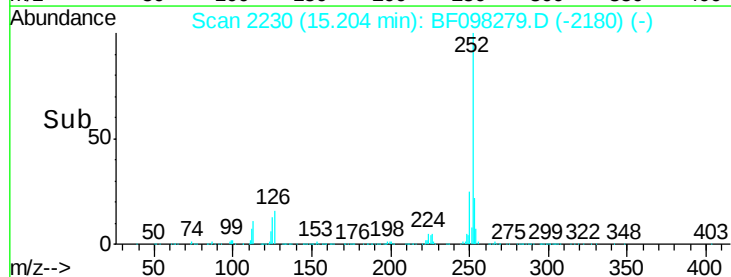
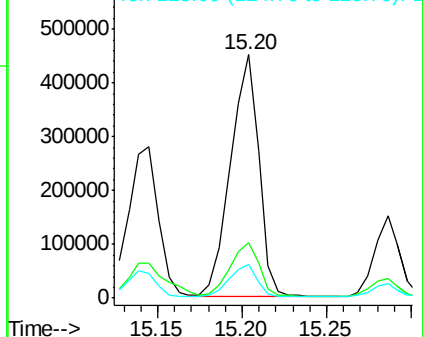
252 100

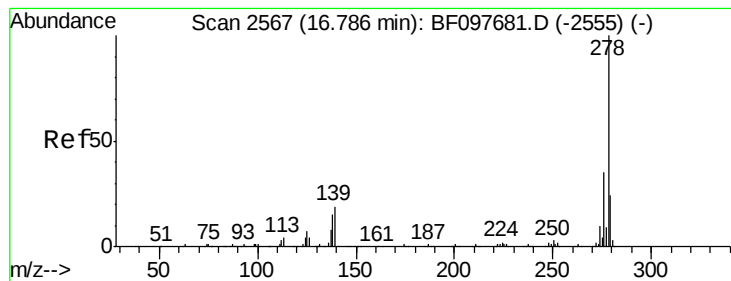
253 22.6 17.5 26.3

125 13.9 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: 6.59 ng

RT: 16.77 min Scan# 2497

Delta R.T. 0.12 min

Lab File: BF098279.D

Acq: 6 Sep 2017 18:18

Instrument :

BNA_F

ClientSampleId :

OR-02-083117

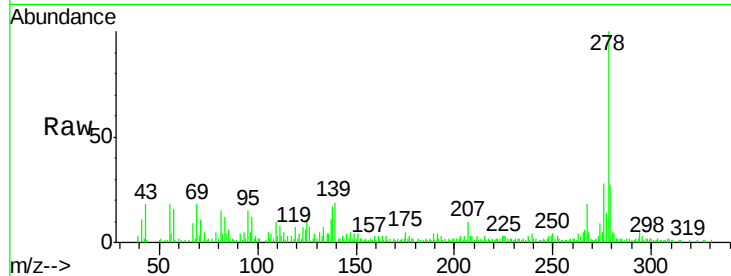
Tot Ion:278 Resp: 65462

Ion Ratio Lower Upper

278 100

139 19.5 16.6 24.8

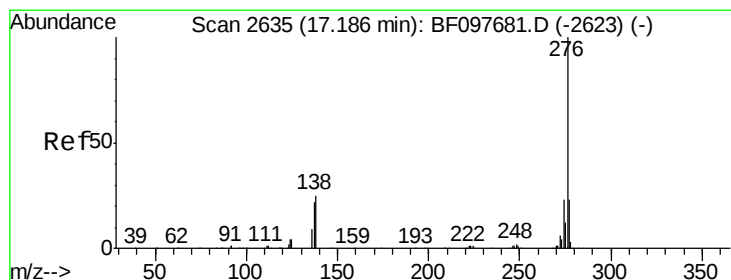
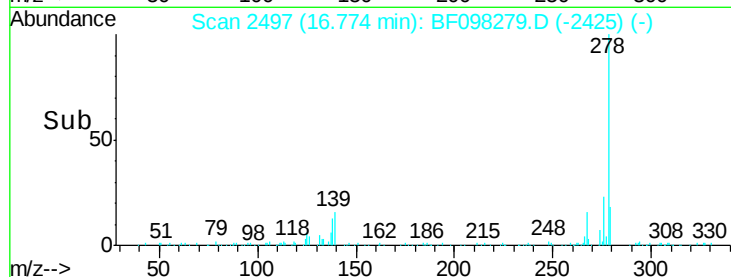
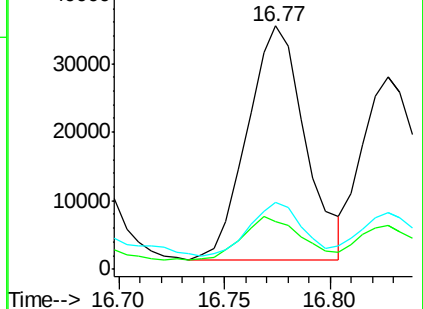
279 27.4 19.3 28.9



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: 25.87 ng

RT: 17.03 min Scan# 2540

Delta R.T. -0.02 min

Lab File: BF098279.D

Acq: 6 Sep 2017 18:18

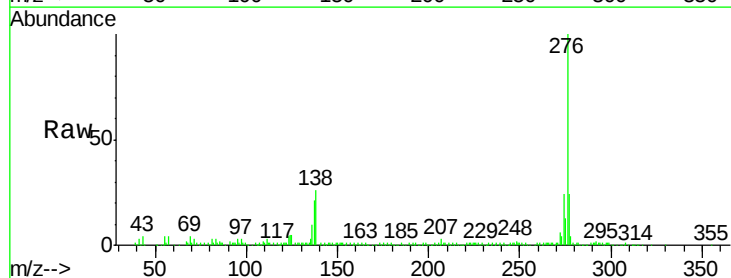
Tgt Ion:276 Resp: 268198

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 26.3 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

