

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071218\
 Data File : BF107349.D
 Acq On : 12 Jul 2018 19:47
 Operator : JU/SJ
 Sample : J3924-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-1-4

Quant Time: Jul 13 02:36:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 11 16:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	62995	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	226348	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	100921	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	181828	20.00	ng	0.00
75) Chrysene-d12	14.14	240	175131	20.00	ng	0.00
86) Perylene-d12	15.67	264	126892	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	466993	125.53	ng	0.01
7) Phenol-d6	6.58	99	569085	122.49	ng	0.00
23) Nitrobenzene-d5	7.50	82	358253	87.96	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	146214	125.00	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	591626	102.21	ng	0.00
78) Terphenyl-d14	13.06	244	604679	83.64	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.71	77	9514	2.431	ng	85
10) Phenol	6.60	94	33376	6.295	ng	98
19) n-Nitroso-di-n-propylamine	7.50	70	46323	15.126	ng	# 72
25) Isophorone	7.50	82	358253	49.916	ng	# 64
49) Dimethylphthalate	9.68	163	146320	19.331	ng	98
56) 2,4-Dinitrotoluene	9.98	165	12889	6.161	ng	# 21
66) 4-Bromophenyl-phenylether	10.78	248	9049	4.170	ng	# 1
70) Phenanthrene	11.50	178	34627	3.948	ng	98
74) Fluoranthene	12.69	202	94458	9.772	ng	98
77) Pyrene	12.93	202	93584	8.103	ng	98
80) Benzo(a)anthracene	14.12	228	58603	5.490	ng	99
82) Chrysene	14.16	228	49702	5.061	ng	99
85) Indeno(1,2,3-cd)pyrene	17.26	276	25196	3.024	ng	# 88
87) Benzo(b)fluoranthene	15.21	252	80128	10.165	ng	96
88) Benzo(k)fluoranthene	15.21	252	80128	10.675	ng	# 96
89) Benzo(a)pyrene	15.61	252	40393	5.764	ng	97
91) Benzo(g,h,i)perylene	17.75	276	23610	4.068	ng	# 89

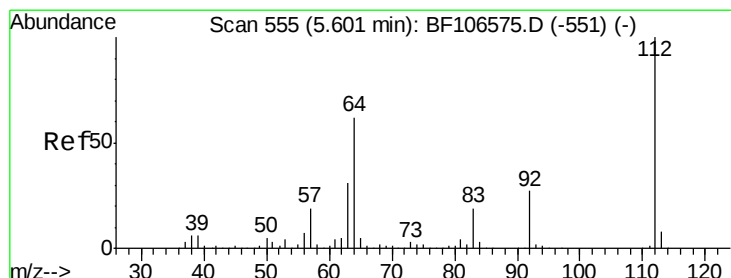
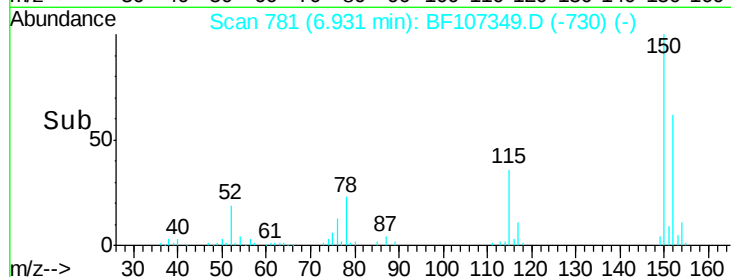
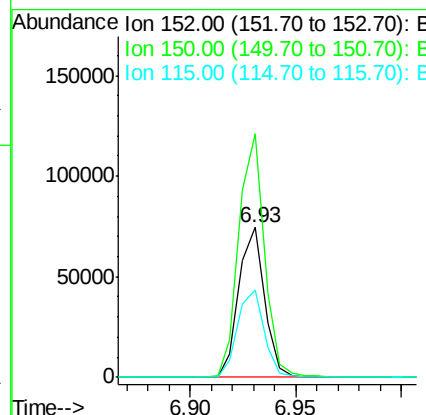
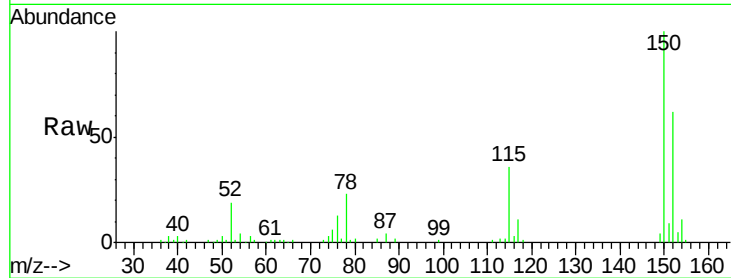
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.93 min Scan# 781
 Delta R.T. -0.00 min
 Lab File: BF107349.D
 Acq: 12 Jul 2018 19:47

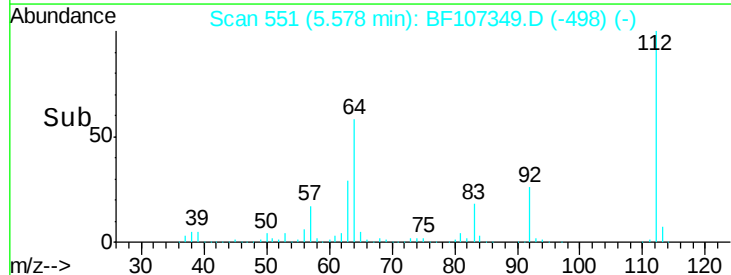
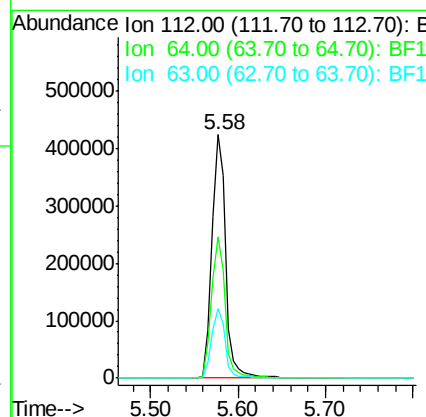
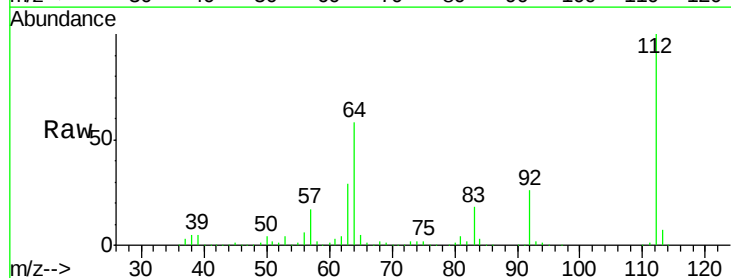
Instrument :
 BNA_F
 ClientSampleId :
 RO-1-4

Tgt Ion:152 Resp: 62995
 Ion Ratio Lower Upper
 152 100
 150 162.4 124.6 186.8
 115 58.6 50.1 75.1



#5
 2-Fluorophenol
 Concen: 125.529 ng
 RT: 5.58 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF107349.D
 Acq: 12 Jul 2018 19:47

Tgt Ion:112 Resp: 466993
 Ion Ratio Lower Upper
 112 100
 64 58.2 47.9 71.9
 63 28.5 23.7 35.5





#7

Phenol-d6

Concen: 122.494 ng

RT: 6.58 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF107349.D

Acq: 12 Jul 2018 19:47

Instrument :

BNA_F

ClientSampleId :

RO-1-4

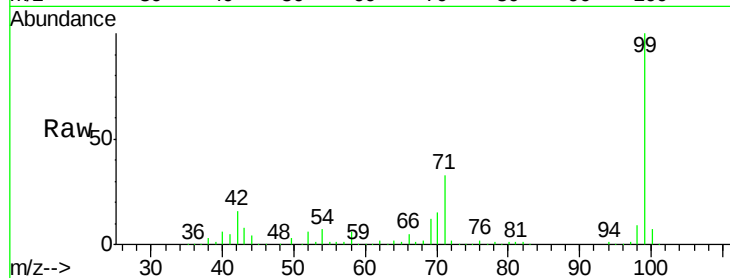
Tgt Ion: 99 Resp: 569085

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

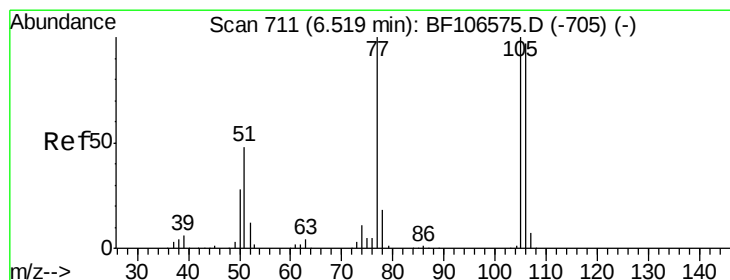
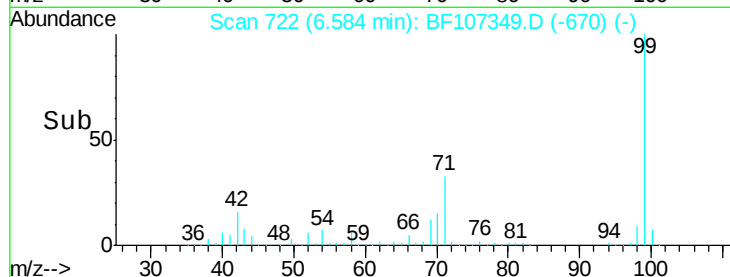
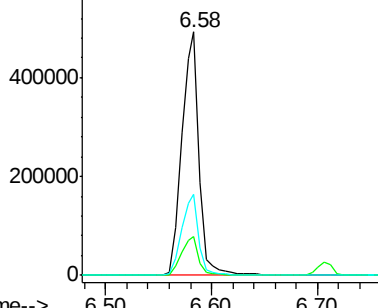
71 33.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.431 ng

RT: 6.71 min Scan# 743

Delta R.T. 0.22 min

Lab File: BF107349.D

Acq: 12 Jul 2018 19:47

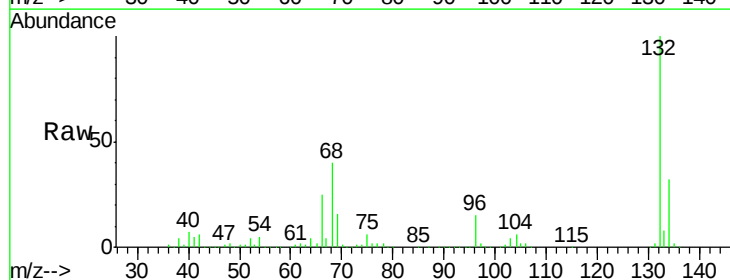
Tgt Ion: 77 Resp: 9514

Ion Ratio Lower Upper

77 100

105 82.9 81.1 121.1

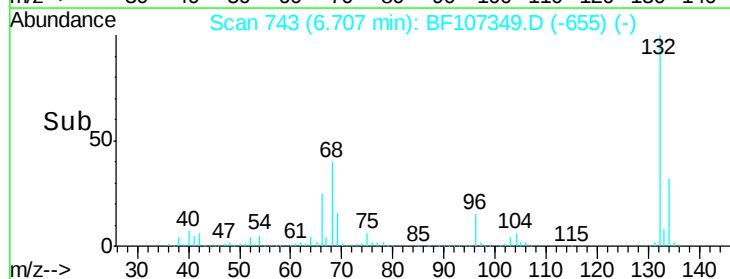
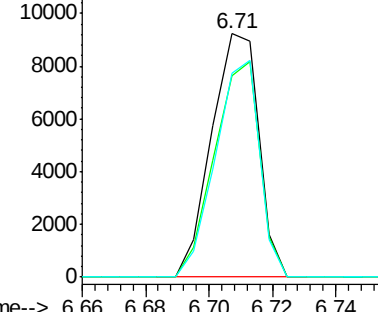
106 84.0 74.5 114.5

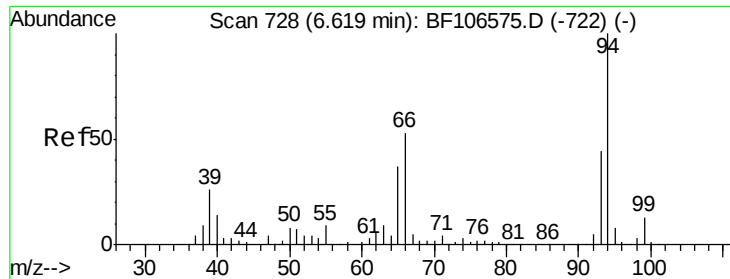


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

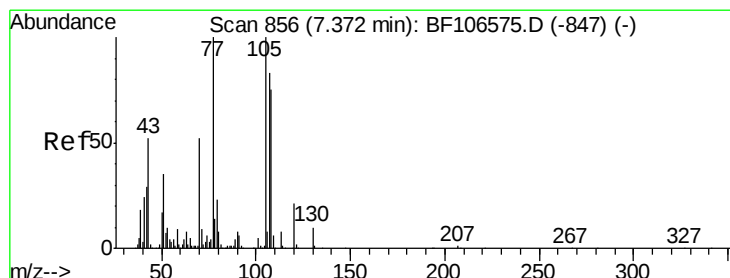
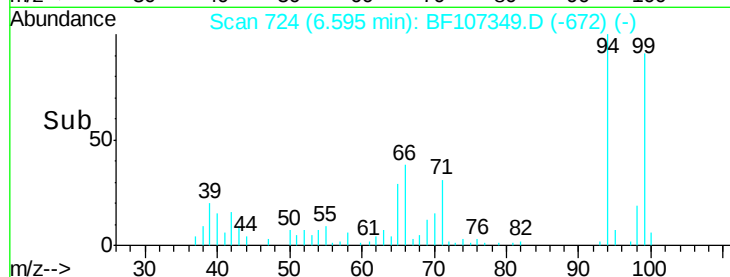
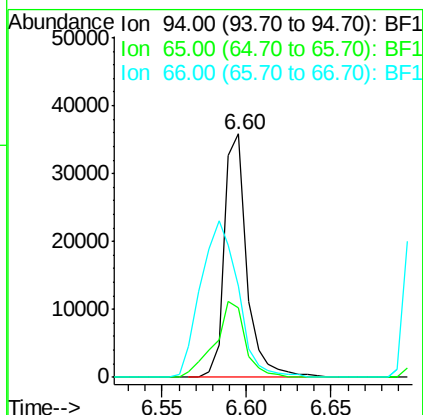
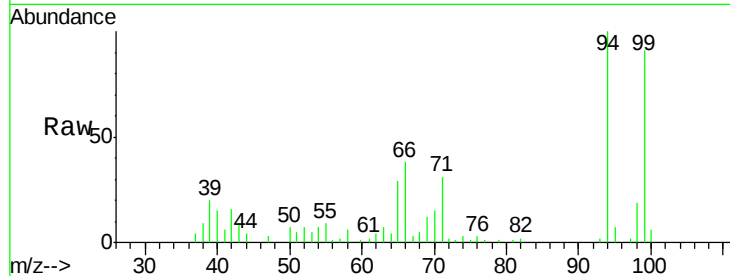




#10
Phenol
Concen: 6.295 ng
RT: 6.60 min Scan# 724
Delta R.T. 0.01 min
Lab File: BF107349.D
Acq: 12 Jul 2018 19:47

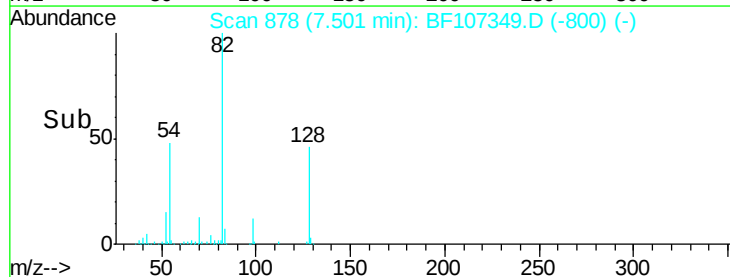
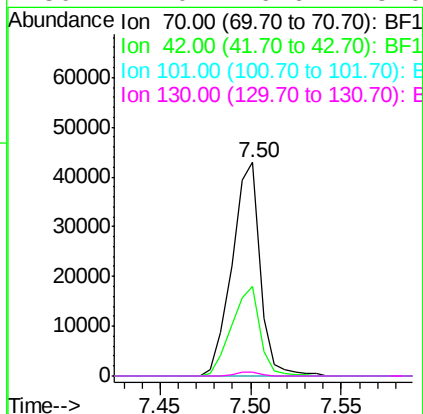
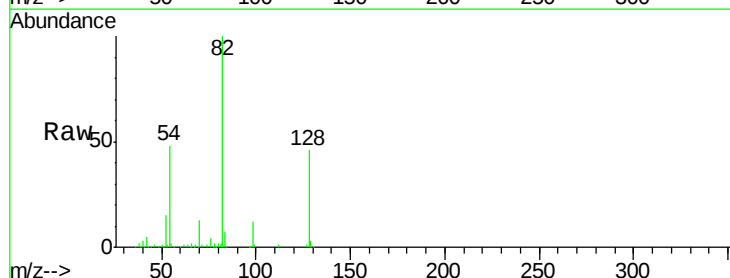
Instrument :
BNA_F
ClientSampled :
RO-1-4

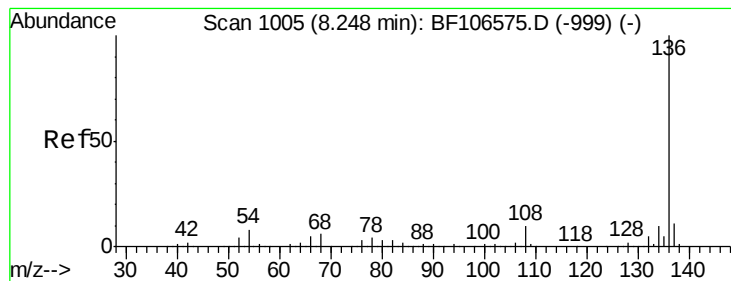
Tgt Ion: 94 Resp: 33376
Ion Ratio Lower Upper
94 100
65 28.5 7.9 47.9
66 37.6 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.126 ng
RT: 7.50 min Scan# 878
Delta R.T. 0.16 min
Lab File: BF107349.D
Acq: 12 Jul 2018 19:47

Tgt Ion: 70 Resp: 46323
Ion Ratio Lower Upper
70 100
42 41.8 47.5 71.3#
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#

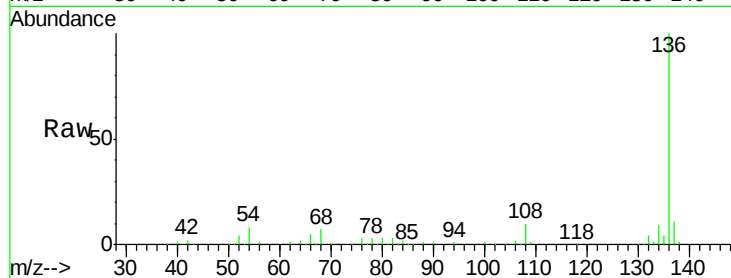




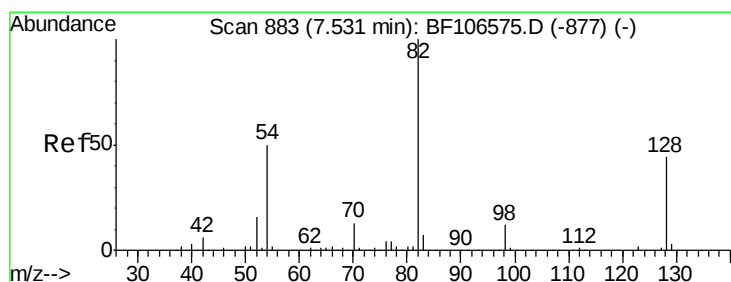
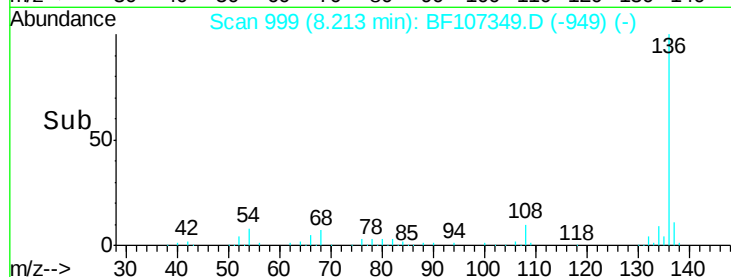
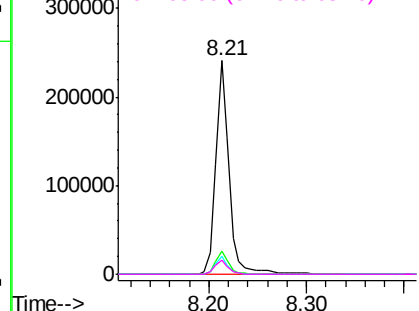
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.21 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF107349.D
Acq: 12 Jul 2018 19:47

Instrument :
BNA_F
ClientSampleId :
RO-1-4

Tgt Ion:	136	Resp:	226348
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.3	6.6	9.8
68	6.6	5.0	7.4

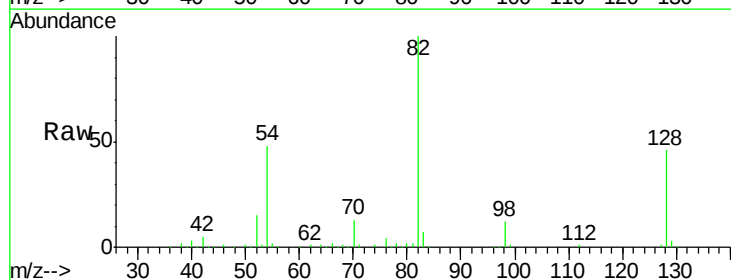


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

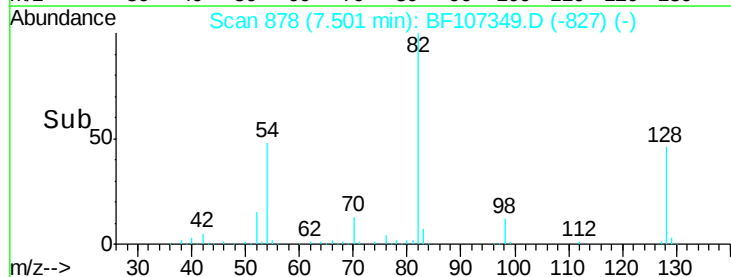
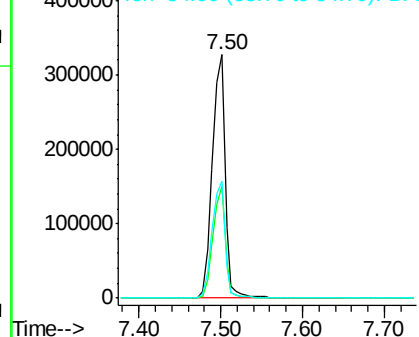


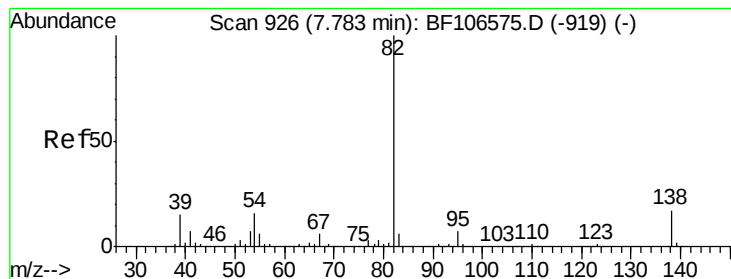
#23
Nitrobenzene-d5
Concen: 87.959 ng
RT: 7.50 min Scan# 878
Delta R.T. -0.00 min
Lab File: BF107349.D
Acq: 12 Jul 2018 19:47

Tgt Ion:	82	Resp:	358253
Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	48.0	41.4	62.2



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





#25

Isophorone

Concen: 49.916 ng

RT: 7.50 min Scan# 878

Delta R.T. -0.25 min

Lab File: BF107349.D

Acq: 12 Jul 2018 19:47

Instrument :

BNA_F

ClientSampleId :

RO-1-4

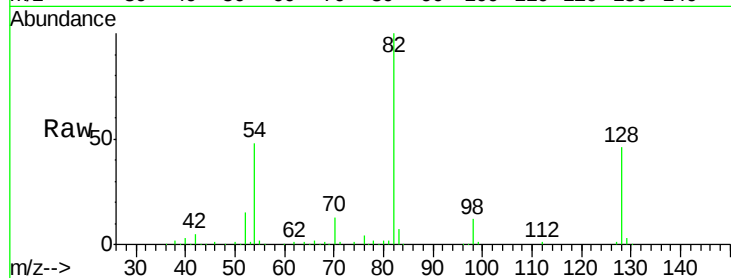
Tgt Ion: 82 Resp: 358253

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

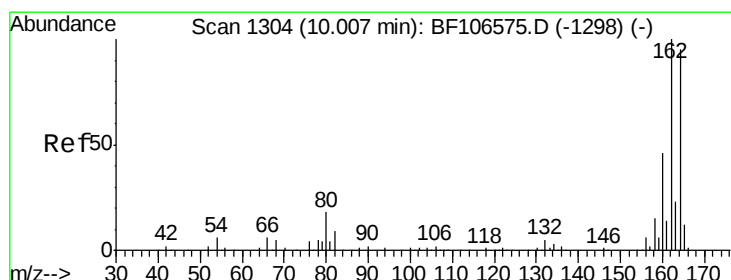
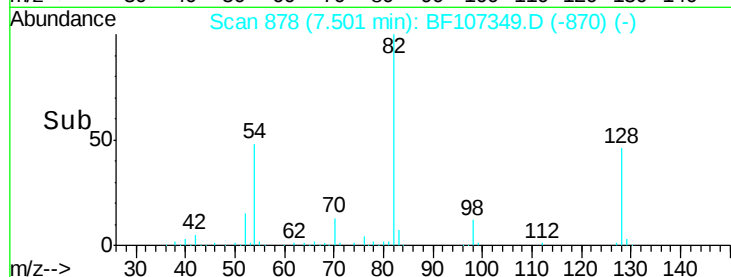
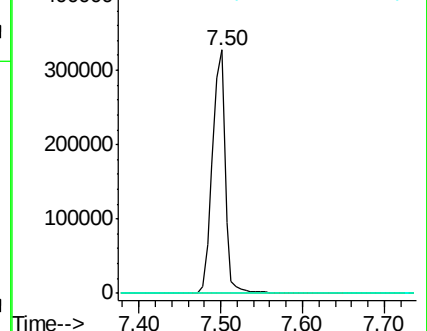
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF107349.D

Acq: 12 Jul 2018 19:47

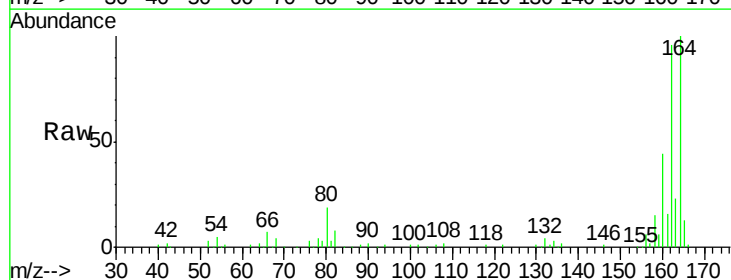
Tgt Ion: 164 Resp: 100921

Ion Ratio Lower Upper

164 100

162 96.1 86.1 129.1

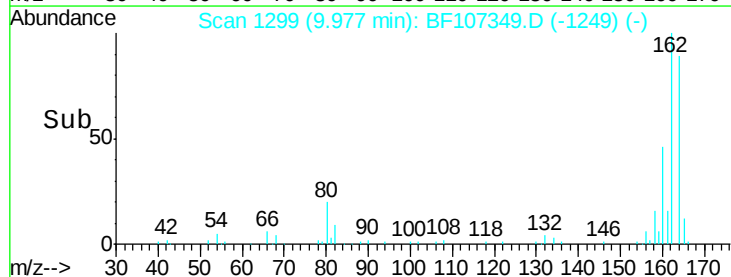
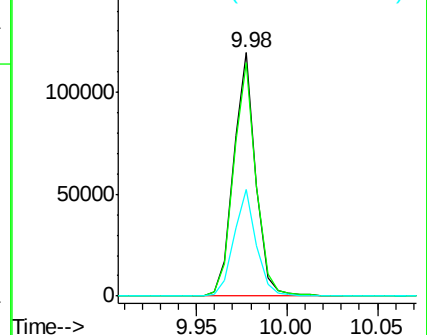
160 43.7 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

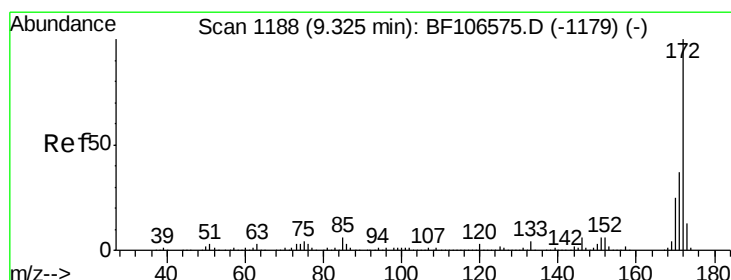
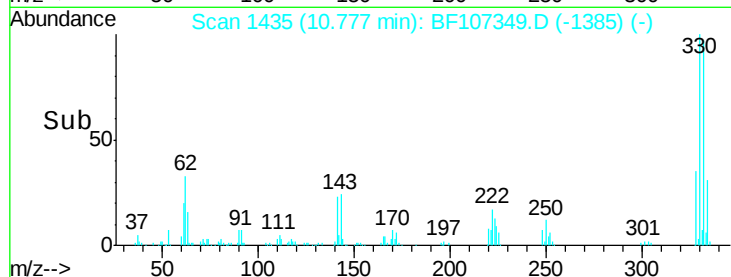
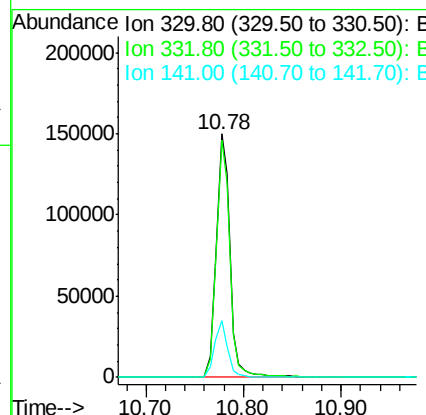
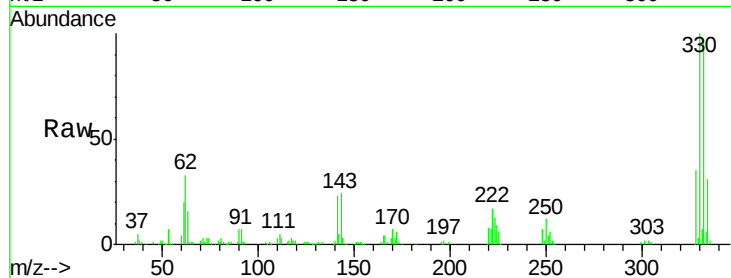




#41
 2,4,6-Tribromophenol
 Concen: 125.001 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF107349.D
 Acq: 12 Jul 2018 19:47

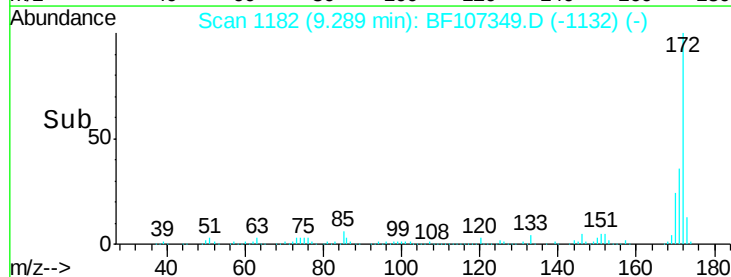
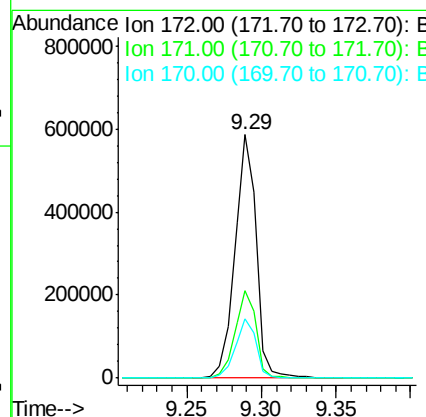
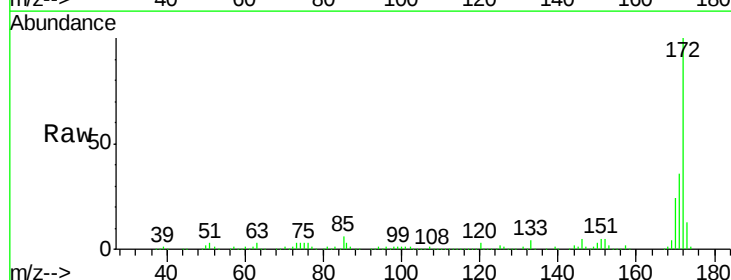
Instrument :
 BNA_F
 ClientSampleId :
 RO-1-4

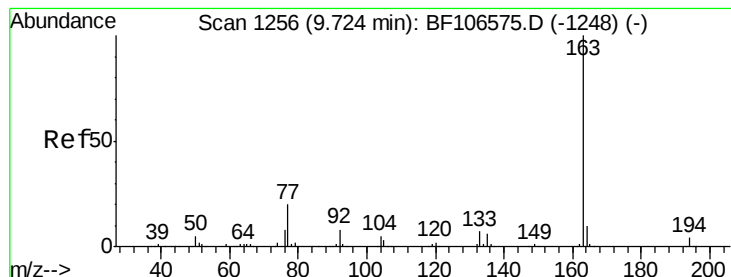
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	22.5	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 102.214 ng
 RT: 9.29 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF107349.D
 Acq: 12 Jul 2018 19:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.4	19.6	29.4





#49

Dimethylphthalate

Concen: 19.331 ng

RT: 9.68 min Scan# 1249

Delta R.T. -0.01 min

Lab File: BF107349.D

Acq: 12 Jul 2018 19:47

Instrument :

BNA_F

ClientSampleId :

RO-1-4

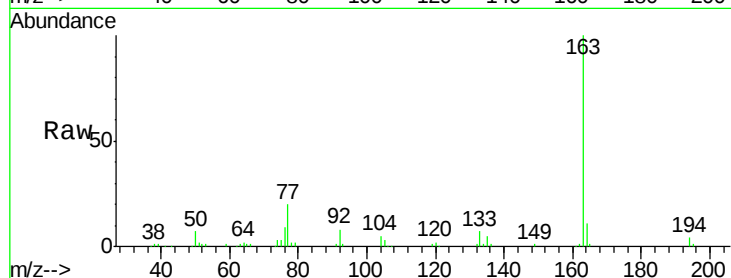
Tgt Ion:163 Resp: 146320

Ion Ratio Lower Upper

163 100

194 4.1 2.7 4.1

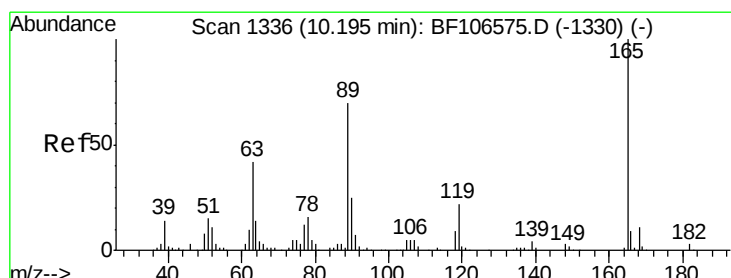
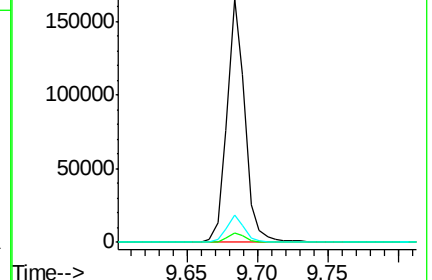
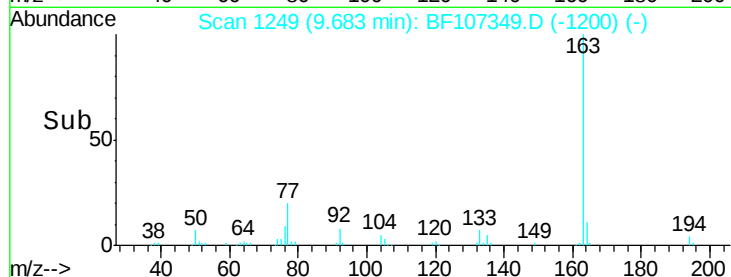
164 11.1 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.161 ng

RT: 9.98 min Scan# 1299

Delta R.T. -0.21 min

Lab File: BF107349.D

Acq: 12 Jul 2018 19:47

Tgt Ion:165 Resp: 12889

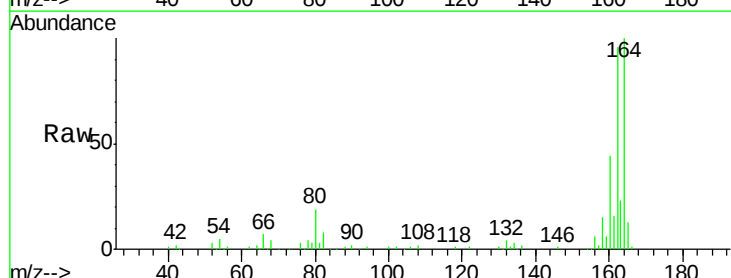
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

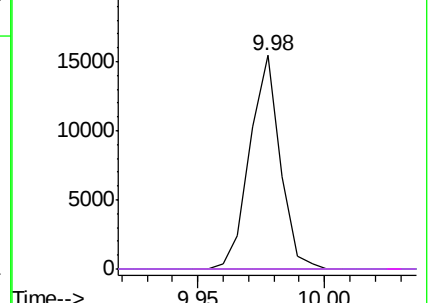
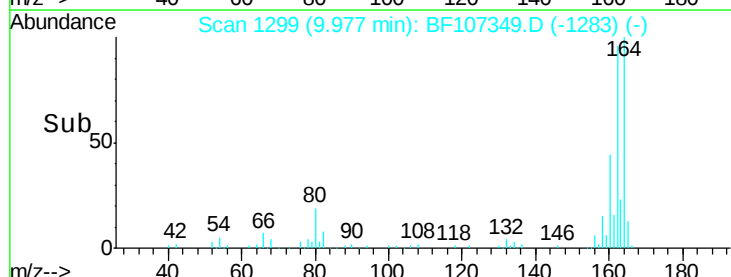


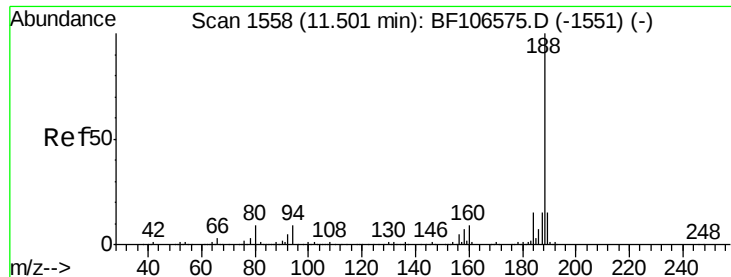
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1554

Delta R.T. -0.00 min

Lab File: BF107349.D

Acq: 12 Jul 2018 19:47

Instrument :

BNA_F

ClientSampled :

RO-1-4

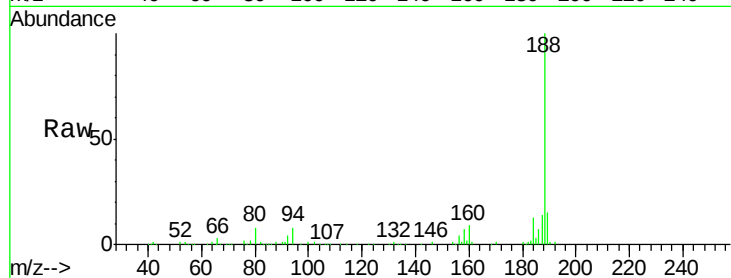
Tgt Ion:188 Resp: 181828

Ion Ratio Lower Upper

188 100

94 7.6 8.5 12.7#

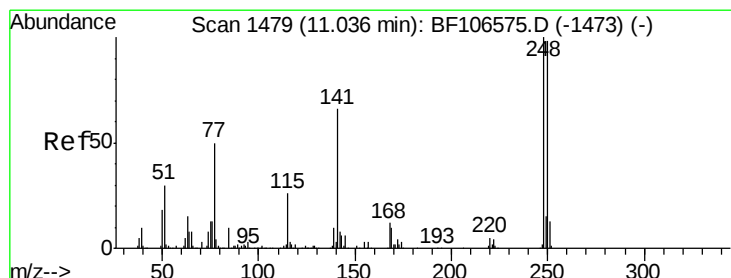
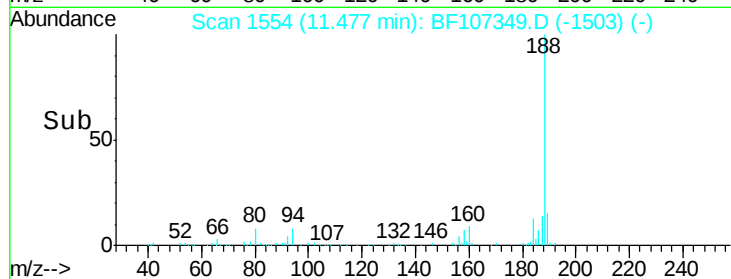
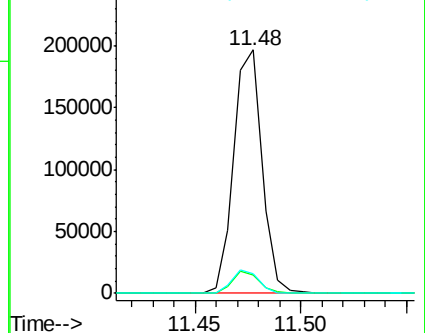
80 8.2 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#66

4-Bromophenyl-phenylether

Concen: 4.170 ng

RT: 10.78 min Scan# 1435

Delta R.T. -0.24 min

Lab File: BF107349.D

Acq: 12 Jul 2018 19:47

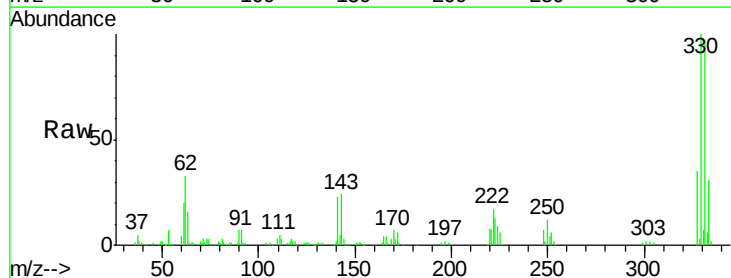
Tgt Ion:248 Resp: 9049

Ion Ratio Lower Upper

248 100

250 187.7 76.9 115.3#

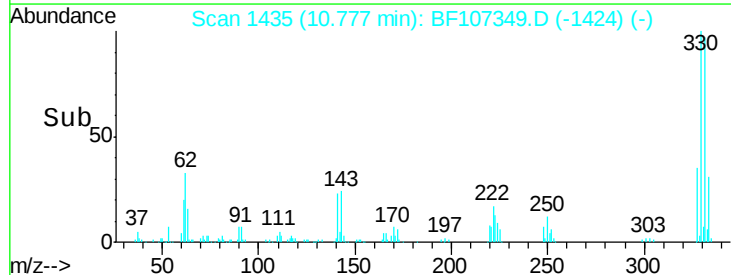
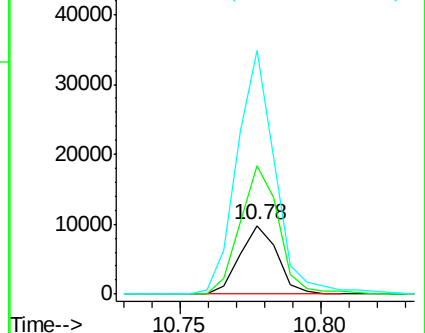
141 354.2 74.4 111.6#

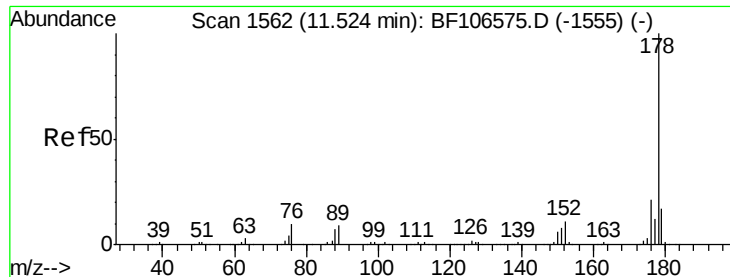


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 3.948 ng

RT: 11.50 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF107349.D

Acq: 12 Jul 2018 19:47

Instrument :

BNA_F

ClientSampleId :

RO-1-4

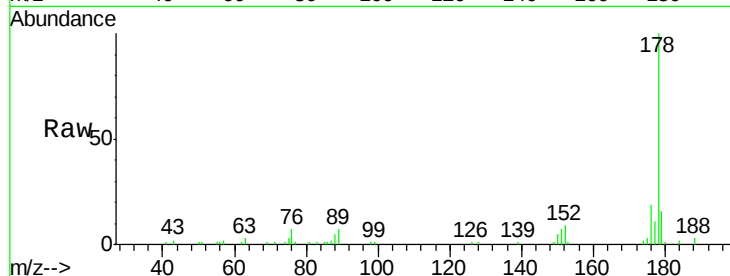
Tgt Ion:178 Resp: 34627

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

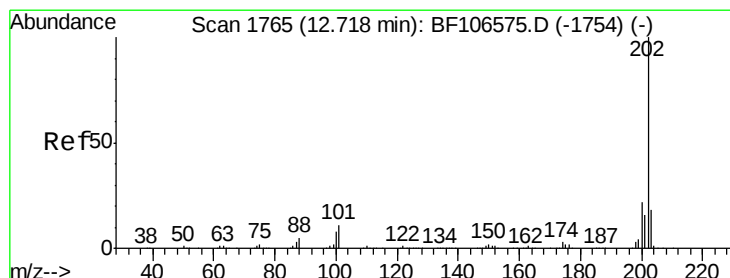
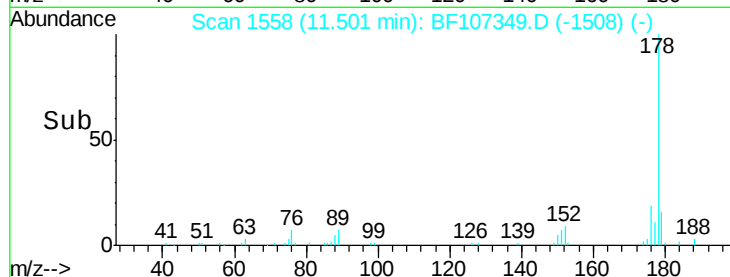
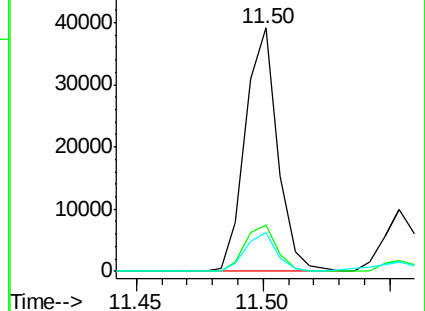
179 15.9 13.0 19.6



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



#74

Fluoranthene

Concen: 9.772 ng

RT: 12.69 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF107349.D

Acq: 12 Jul 2018 19:47

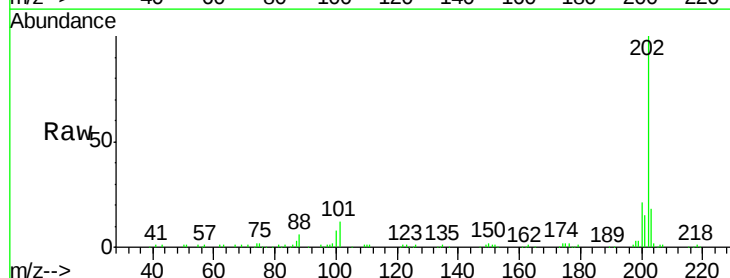
Tgt Ion:202 Resp: 94458

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.1

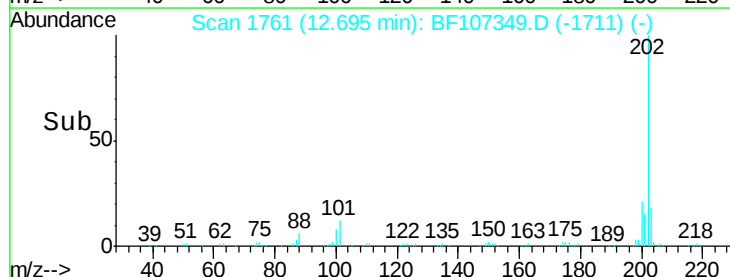
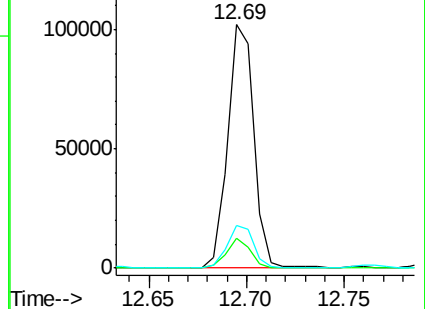
203 17.7 0.0 38.1

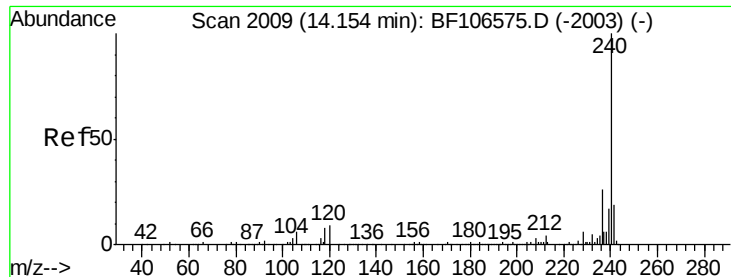


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF107349.D

Acq: 12 Jul 2018 19:47

Instrument :

BNA_F

ClientSampled :

RO-1-4

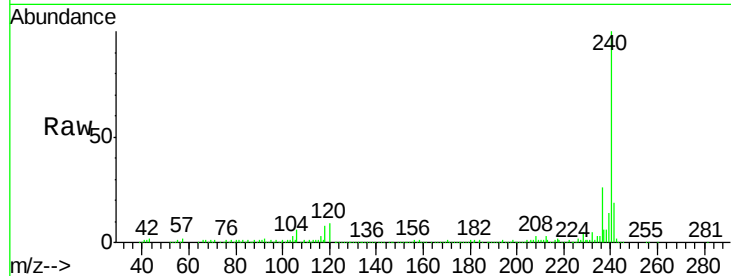
Tgt Ion:240 Resp: 175131

Ion Ratio Lower Upper

240 100

120 8.7 9.5 14.3#

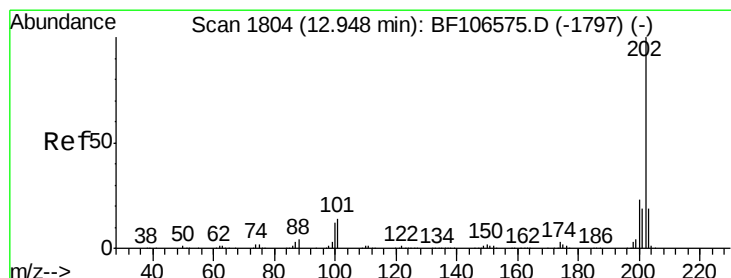
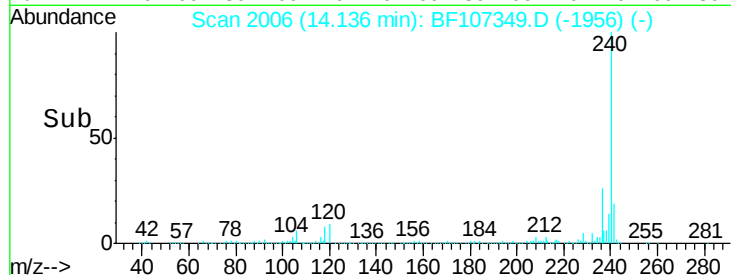
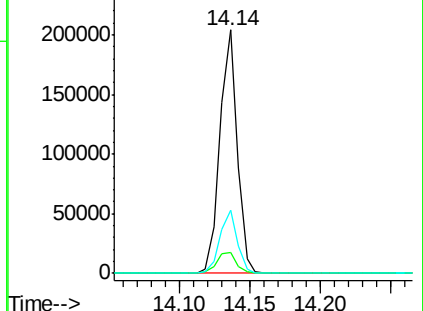
236 25.7 20.7 31.1



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: 8.103 ng

RT: 12.93 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF107349.D

Acq: 12 Jul 2018 19:47

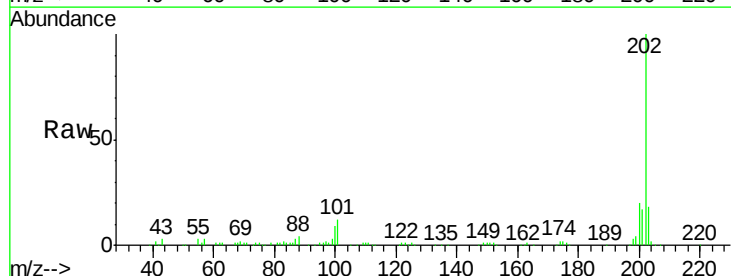
Tgt Ion:202 Resp: 93584

Ion Ratio Lower Upper

202 100

200 20.0 17.4 26.2

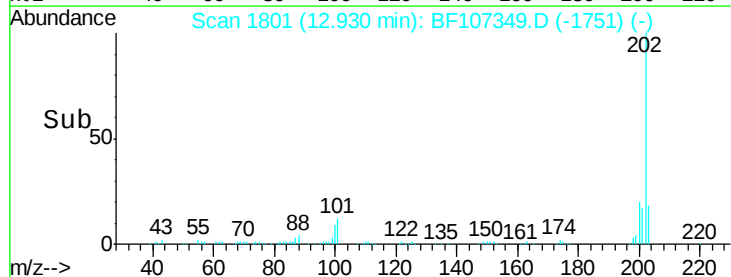
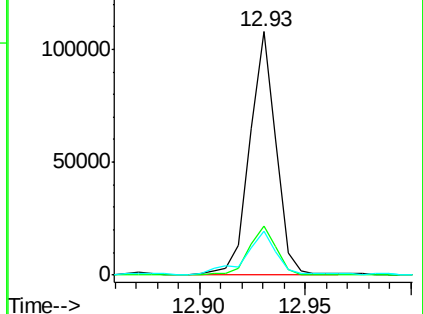
203 18.0 14.3 21.5

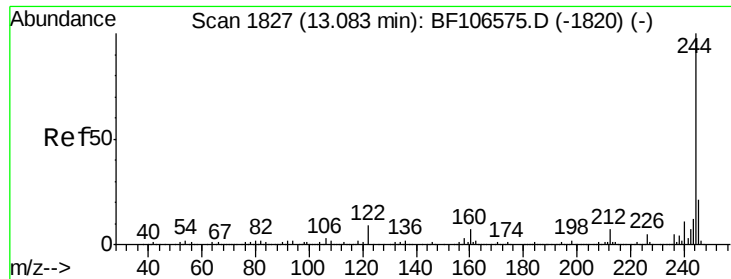


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

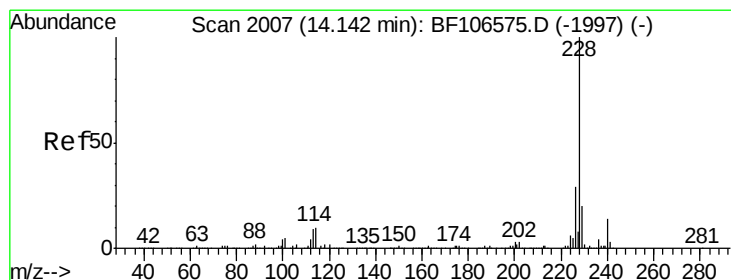
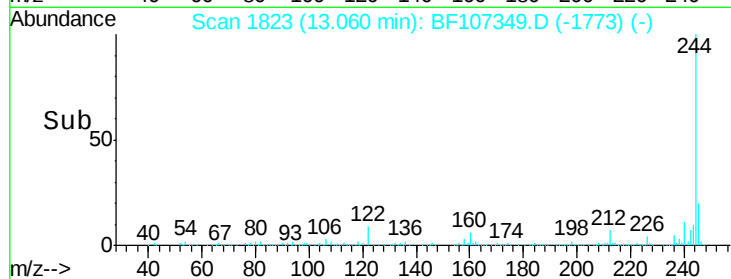
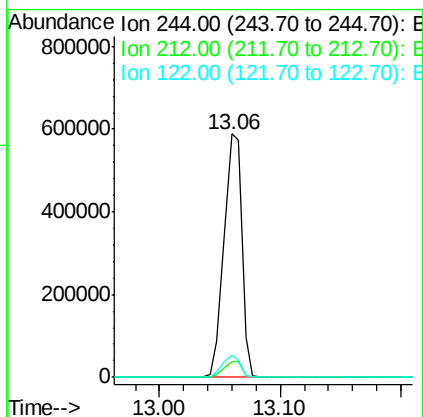
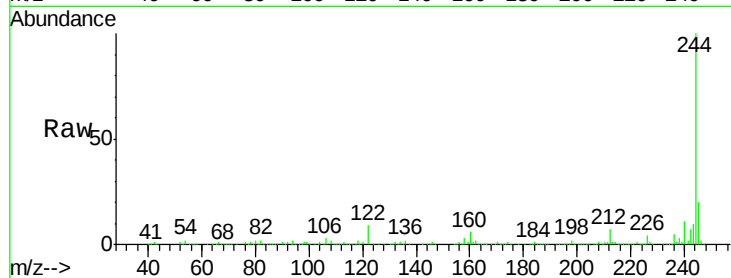




#78
 Terphenyl-d14
 Concen: 83.635 ng
 RT: 13.06 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF107349.D
 Acq: 12 Jul 2018 19:47

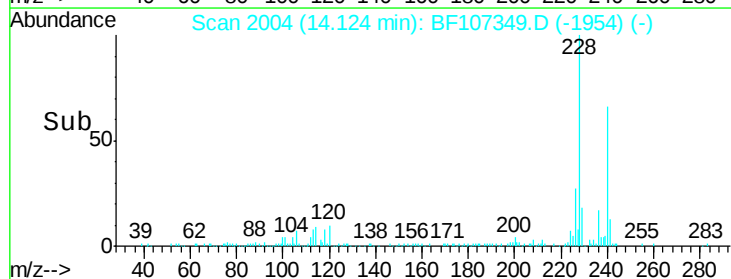
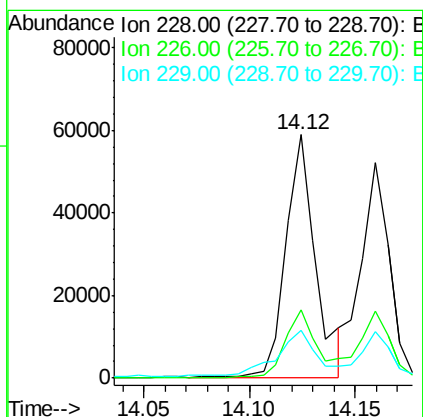
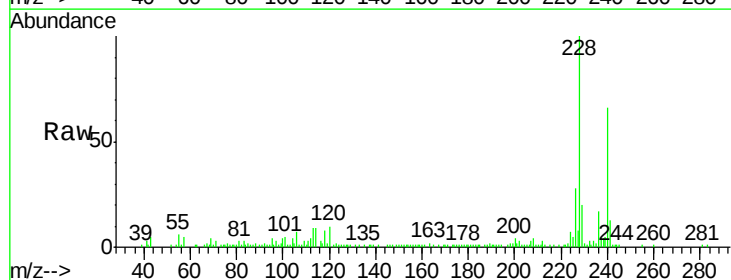
Instrument :
 BNA_F
 ClientSampleId :
 RO-1-4

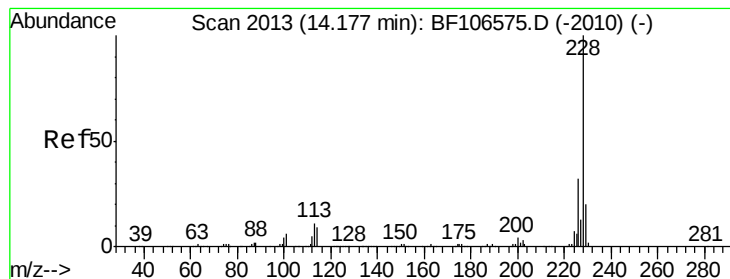
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.3	11.0	16.4



#80
 Benzo(a)anthracene
 Concen: 5.490 ng
 RT: 14.12 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BF107349.D
 Acq: 12 Jul 2018 19:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	19.5	15.8	23.6





#82

Chrysene

Concen: 5.061 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107349.D

Acq: 12 Jul 2018 19:47

Instrument :

BNA_F

ClientSampleId :

RO-1-4

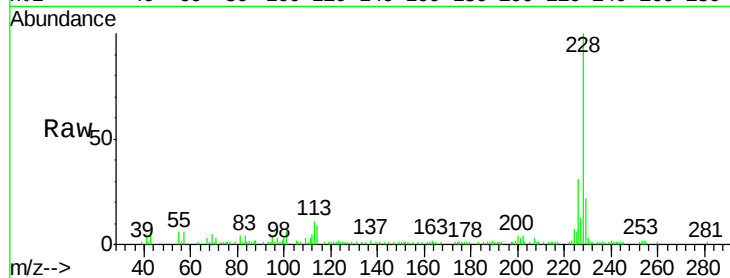
Tgt Ion:228 Resp: 49702

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

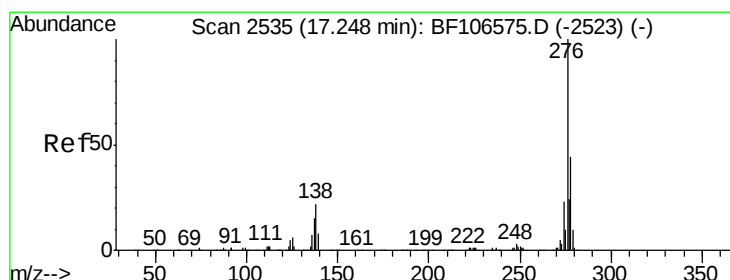
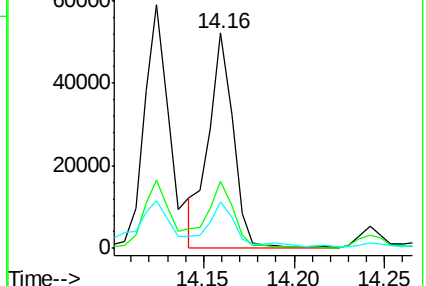
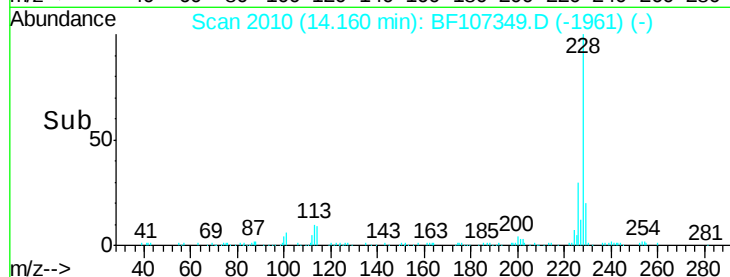
229 21.6 16.2 24.4



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: 3.024 ng

RT: 17.26 min Scan# 2537

Delta R.T. -0.02 min

Lab File: BF107349.D

Acq: 12 Jul 2018 19:47

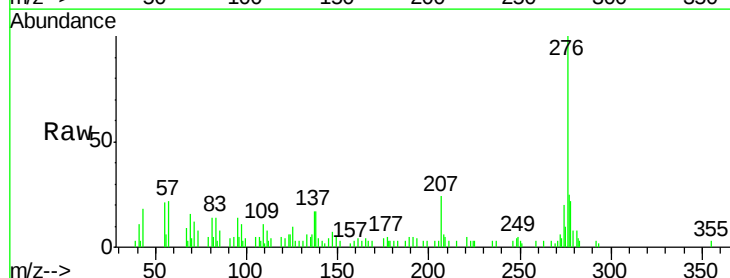
Tgt Ion:276 Resp: 25196

Ion Ratio Lower Upper

276 100

138 20.7 25.0 37.6#

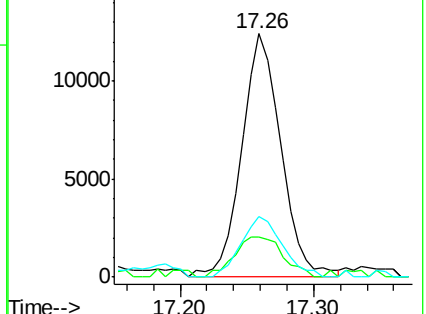
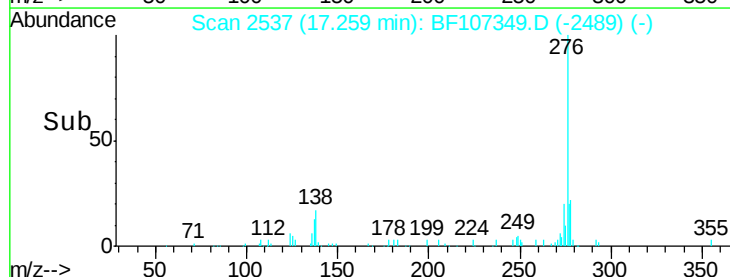
277 26.2 20.1 30.1

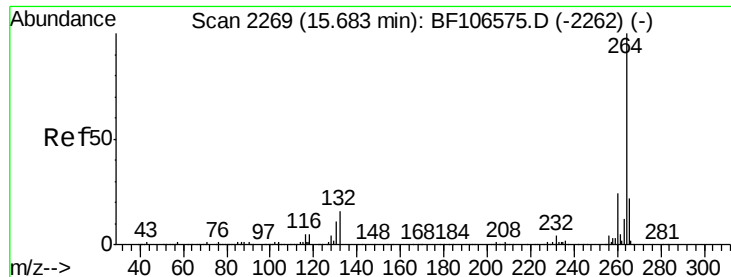


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

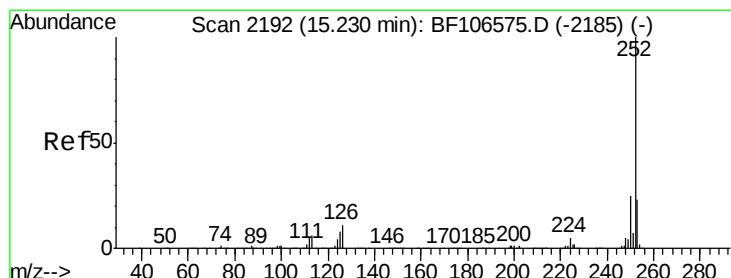
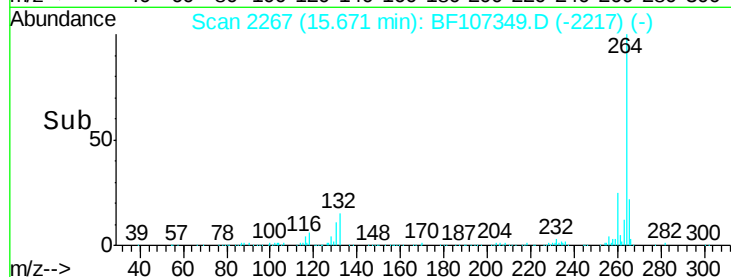
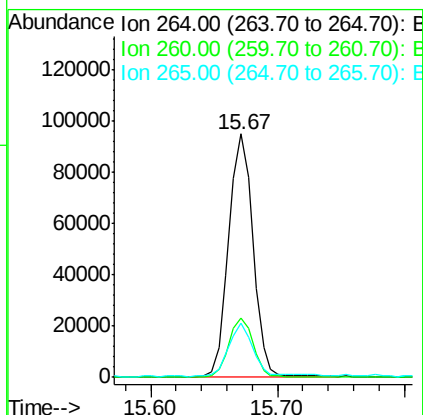
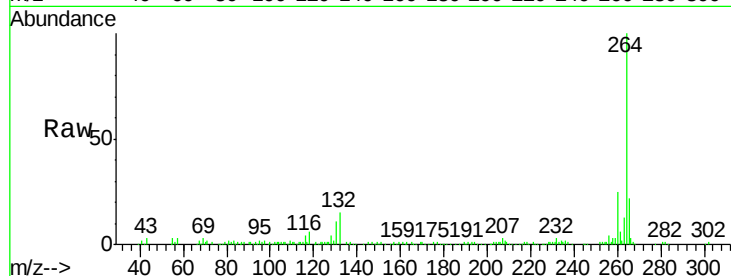




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF107349.D
Acq: 12 Jul 2018 19:47

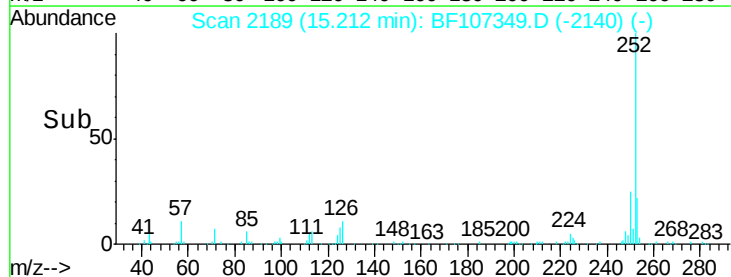
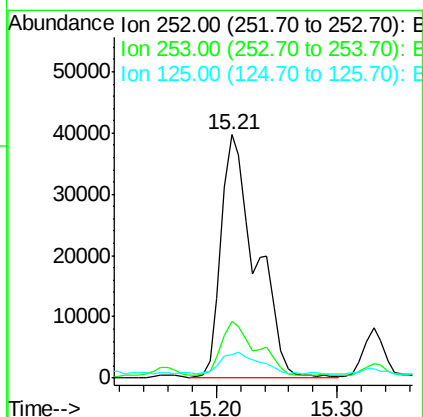
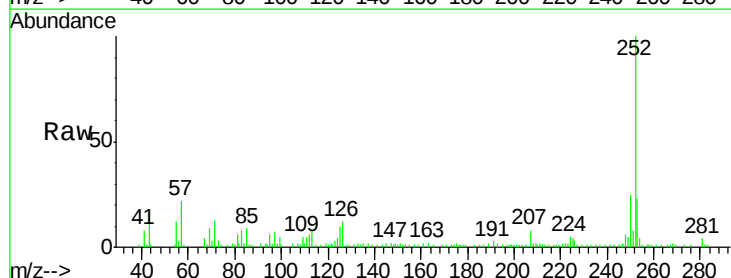
Instrument :
BNA_F
ClientSampleId :
RO-1-4

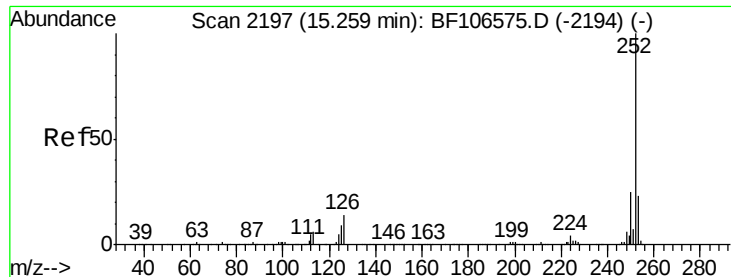
Tgt Ion:264 Resp: 126892
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 22.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 10.165 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.01 min
Lab File: BF107349.D
Acq: 12 Jul 2018 19:47

Tgt Ion:252 Resp: 80128
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 9.8 9.0 13.6

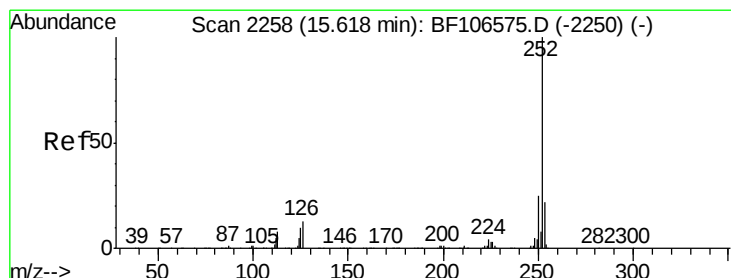
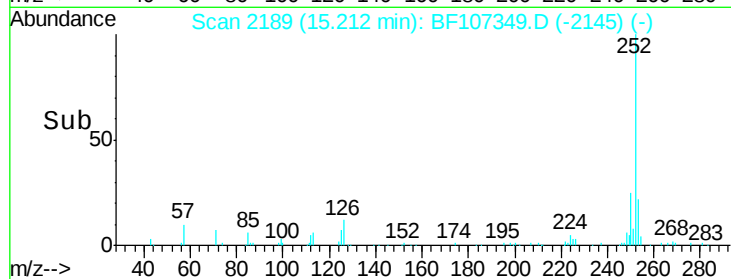
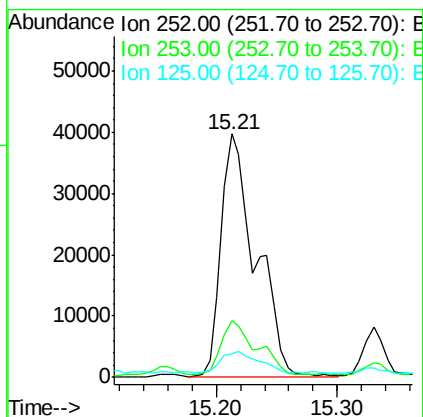
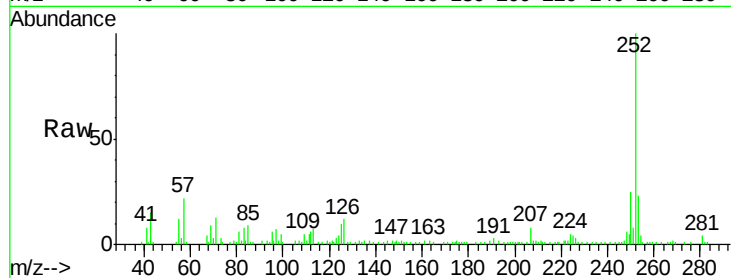




#88
Benzo(k)fluoranthene
Concen: 10.675 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.04 min
Lab File: BF107349.D
Acq: 12 Jul 2018 19:47

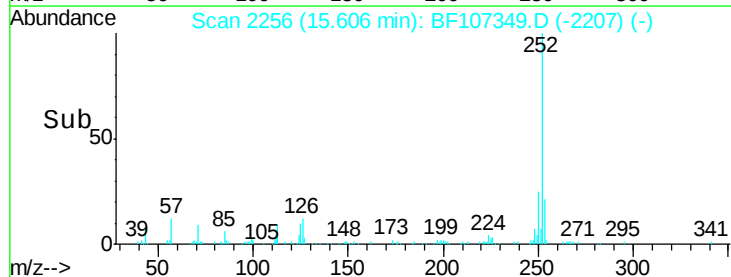
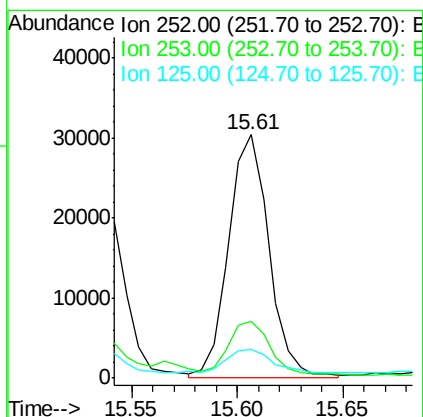
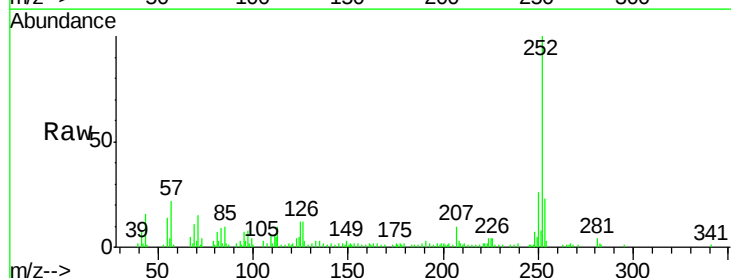
Instrument :
BNA_F
ClientSampleId :
RO-1-4

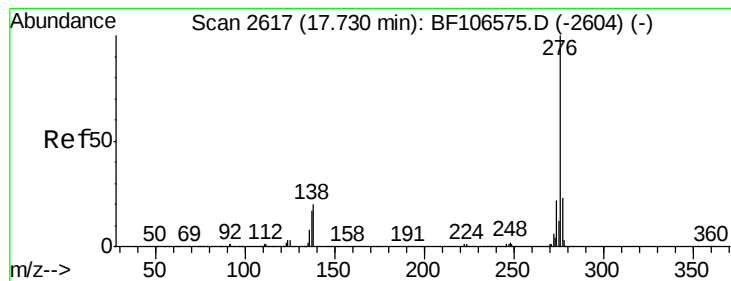
Tgt Ion:252 Resp: 80128
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 9.8 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 5.764 ng
RT: 15.61 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF107349.D
Acq: 12 Jul 2018 19:47

Tgt Ion:252 Resp: 40393
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 11.8 9.8 14.6





#91

Benzo(g,h,i)perylene

Concen: 4.068 ng

RT: 17.75 min Scan# 2620

Delta R.T. -0.01 min

Lab File: BF107349.D

Acq: 12 Jul 2018 19:47

Instrument :

BNA_F

ClientSampleId :

RO-1-4

Tgt Ion: 276 Resp: 23610

Ion Ratio Lower Upper

276 100

277 26.4 17.9 26.9

138 20.3 21.8 32.8#

