

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050218\
 Data File : BF105026.D
 Acq On : 2 May 2018 13:10
 Operator : JU/SJ
 Sample : J2652-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-P4-WC

Quant Time: May 03 04:21:17 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 02 17:25:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	83450	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	314789	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	159539	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	251407	20.00	ng	0.00
75) Chrysene-d12	14.03	240	175481	20.00	ng	0.00
86) Perylene-d12	15.60	264	188910	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	478173	87.62	ng	0.00
7) Phenol-d6	6.43	99	570493	85.08	ng	0.00
23) Nitrobenzene-d5	7.36	82	315571	65.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	129465	78.23	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	517448	51.24	ng	0.00
78) Terphenyl-d14	12.92	244	425559	55.29	ng	0.00

Target Compounds

						Qvalue
22) Acetophenone	7.18	105	16555	2.136	ng	# 59
25) Isophorone	7.36	82	308090	30.222	ng	# 65
31) Naphthalene	8.12	128	4917686	313.732	ng	# 98
33) 4-Chloroaniline	8.12	127	708547	105.512	ng	# 36
35) Caprolactam	8.58	113	3512	2.345	ng	# 12
37) 2-Methylnaphthalene	8.81	142	2354587	232.226	ng	# 95
45) 1,1'-Biphenyl	9.26	154	562942	42.003	ng	# 98
47) 2-Nitroaniline	9.35	65	16637	6.355	ng	# 28
48) Acenaphthylene	9.70	152	426548	25.681	ng	# 81
49) Dimethylphthalate	9.55	163	58638	4.661	ng	# 99
51) Acenaphthene	9.88	154	1375675	135.749	ng	# 99
53) 2,4-Dinitrophenol	9.93	184	868	6.486	ng	# 1
54) Dibenzofuran	10.04	168	163447	11.573	ng	# 67
55) 4-Nitrophenol	9.98	139	7989	3.732	ng	# 51
56) 2,4-Dinitrotoluene	10.04	165	16501	5.404	ng	# 54
57) Fluorene	10.39	166	1134187	110.334	ng	# 98
64) 4,6-Dinitro-2-methylphenol	10.40	198	1086	8.098	ng	# 1
65) n-Nitrosodiphenylamine	10.49	169	45302	5.197	ng	# 41
66) 4-Bromophenyl-phenylether	10.63	248	8023	3.000	ng	# 1
70) Phenanthrene	11.37	178	3062441	218.735	ng	# 99
71) Anthracene	11.42	178	1282407	90.108	ng	# 99
74) Fluoranthene	12.56	202	1110894	75.943	ng	# 97
76) Benzidine	12.67	184	229	Below Cal		# 1
77) Pyrene	12.79	202	1563977	120.239	ng	# 98
80) Benzo(a)anthracene	14.06	228	597334	56.979	ng	# 94
82) Chrysene	14.06	228	597334	55.473	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.08	276	128772	14.078	ng	# 93
87) Benzo(b)fluoranthene	15.16	252	513239	43.016	ng	# 96
88) Benzo(k)fluoranthene	15.16	252	513239	45.564	ng	# 99
89) Benzo(a)pyrene	15.53	252	440111	41.226	ng	# 98
90) Dibenzo(a,h)anthracene	17.08	278	47988	5.473	ng	# 91
91) Benzo(g,h,i)perylene	17.53	276	128435	15.120	ng	# 95

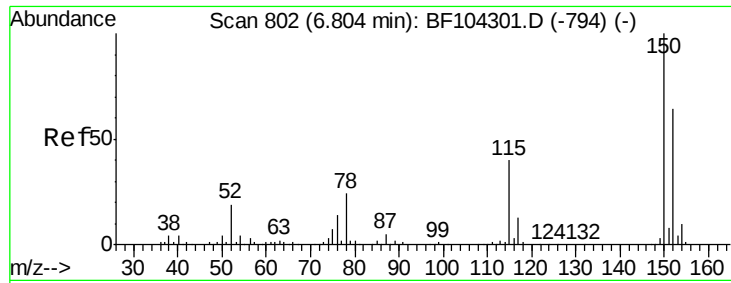
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050218\
Data File : BF105026.D
Acq On : 2 May 2018 13:10
Operator : JU/SJ
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 02 17:25:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

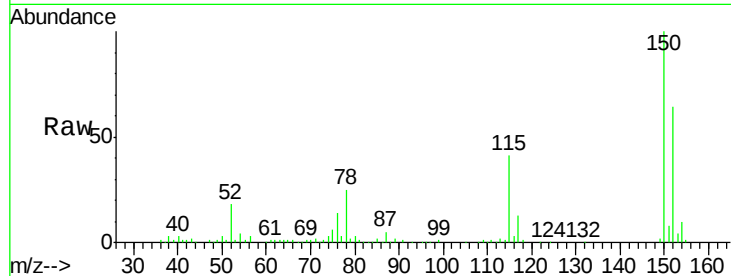


#1

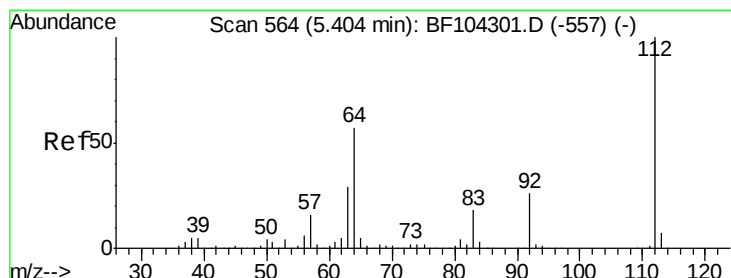
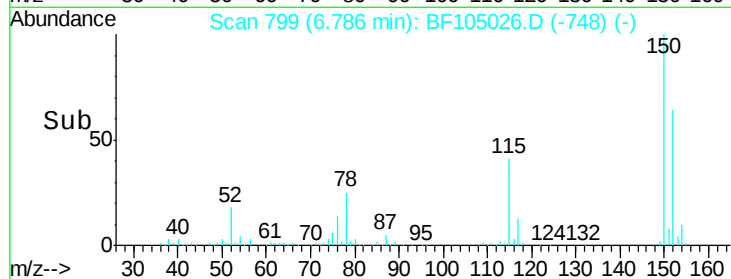
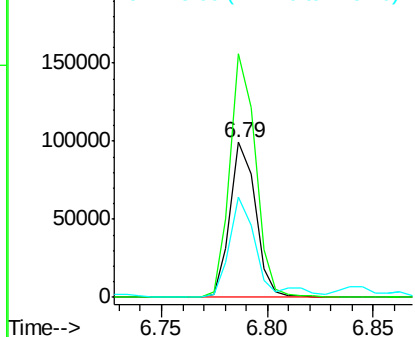
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WC

Tgt Ion:152 Resp: 83450
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 64.6 50.1 75.1



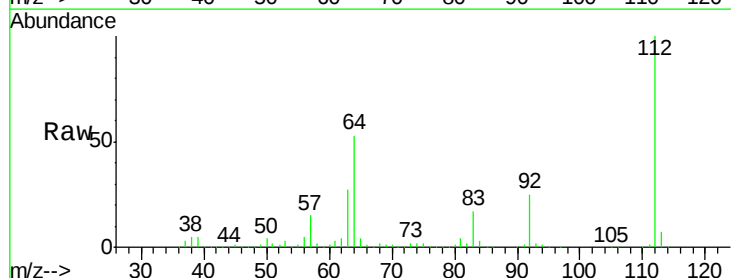
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



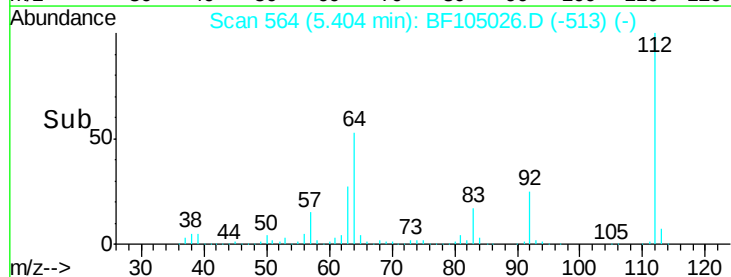
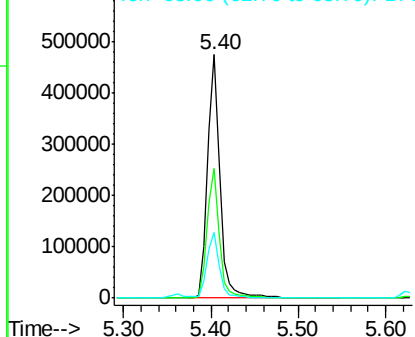
#5

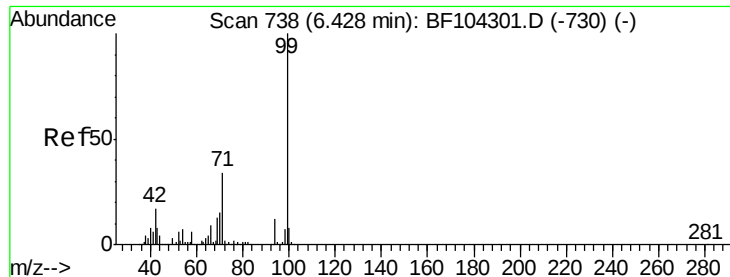
2-Fluorophenol
Concen: 87.616 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Tgt Ion:112 Resp: 478173
Ion Ratio Lower Upper
112 100
64 53.1 47.9 71.9
63 26.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 85.077 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-P4-WC

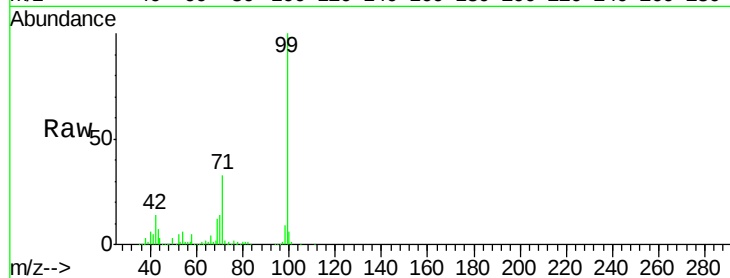
Tgt Ion: 99 Resp: 570493

Ion Ratio Lower Upper

99 100

42 14.1 14.5 21.7#

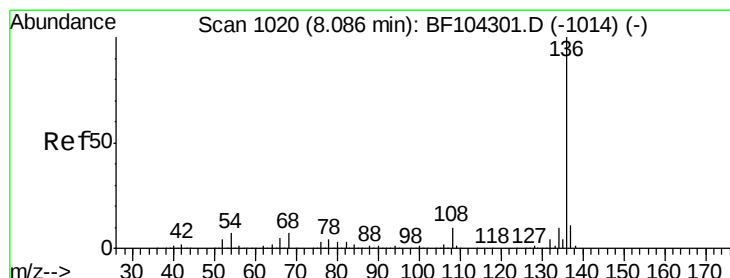
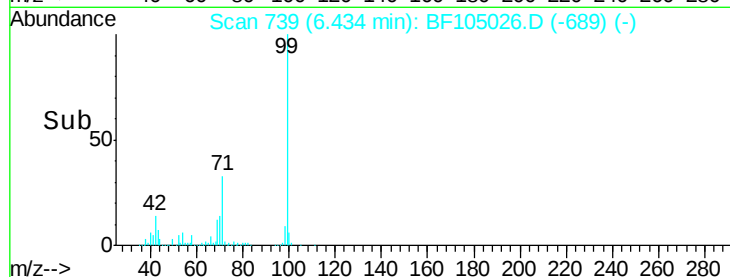
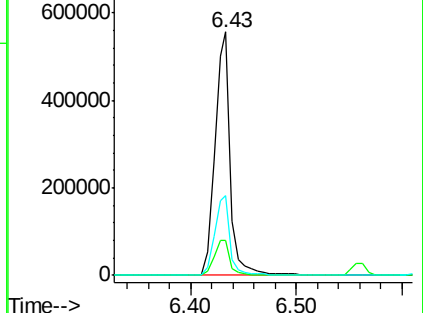
71 32.6 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. 0.01 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Tgt Ion: 136 Resp: 314789

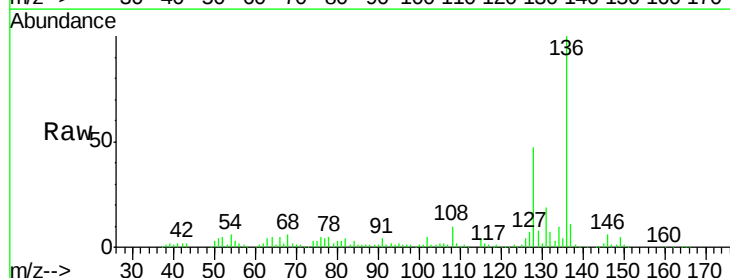
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 5.8 6.6 9.8#

68 6.0 5.0 7.4

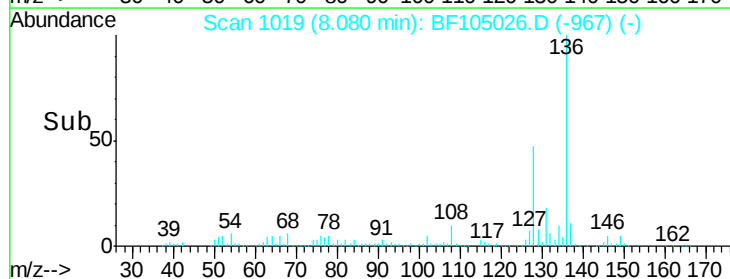
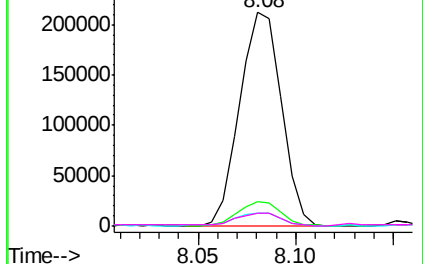


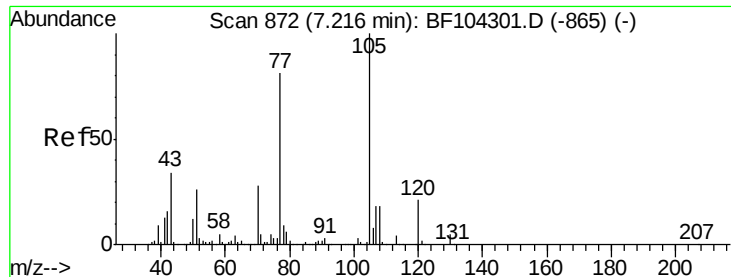
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 2.136 ng

RT: 7.18 min Scan# 866

Delta R.T. -0.03 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-P4-WC

Tgt Ion: 105 Resp: 16555

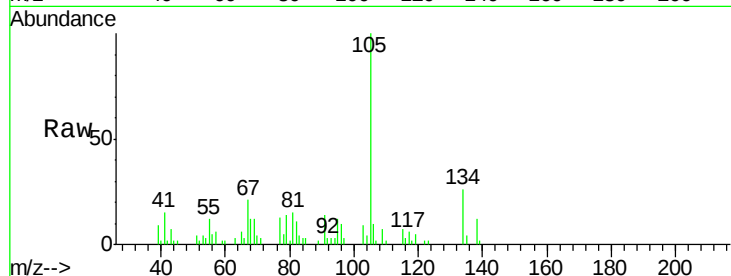
Ion Ratio Lower Upper

105 100

71 2.6 4.4 6.6#

51 4.4 22.3 33.5#

120 0.0 16.9 25.3#

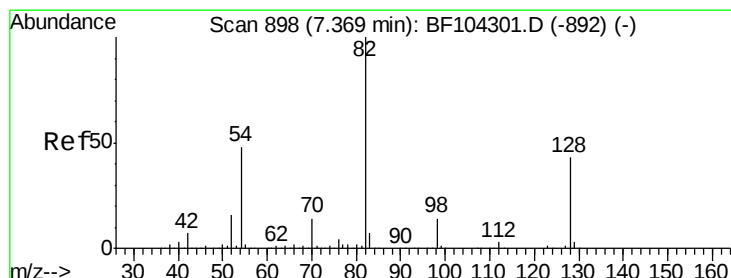
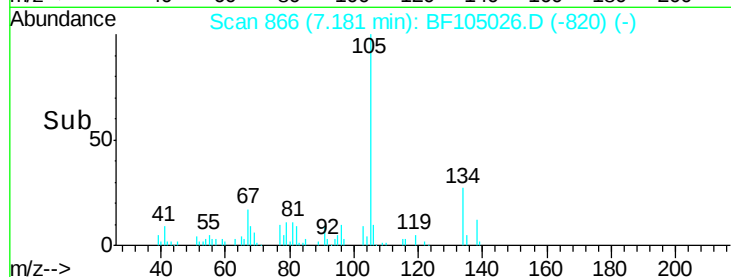
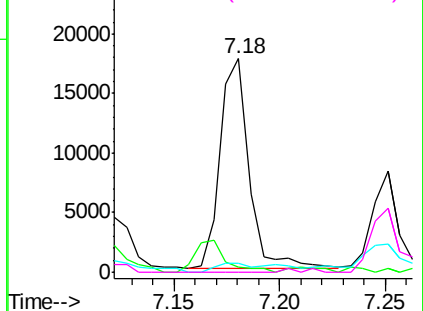


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 65.460 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

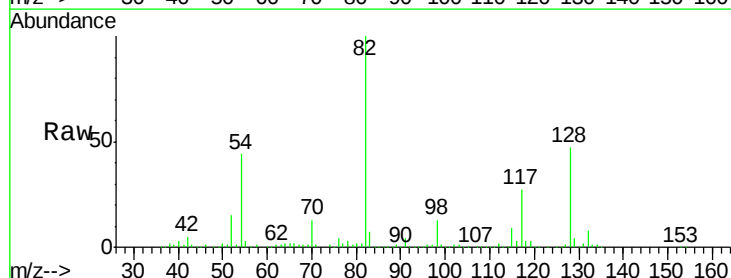
Tgt Ion: 82 Resp: 315571

Ion Ratio Lower Upper

82 100

128 46.5 36.1 54.1

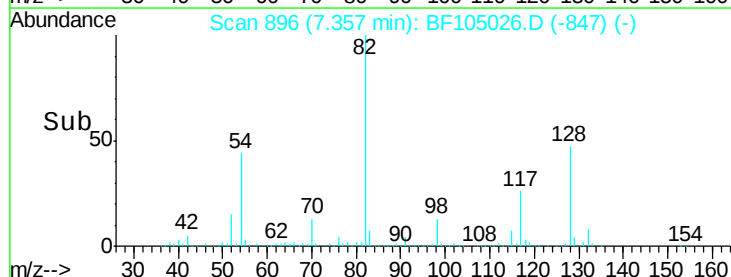
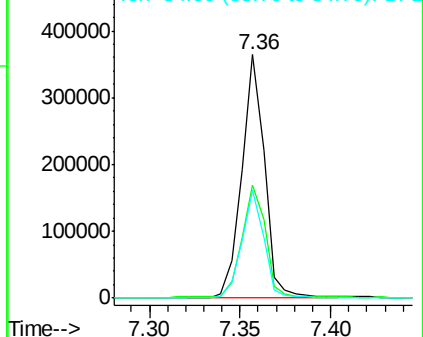
54 44.2 41.4 62.2

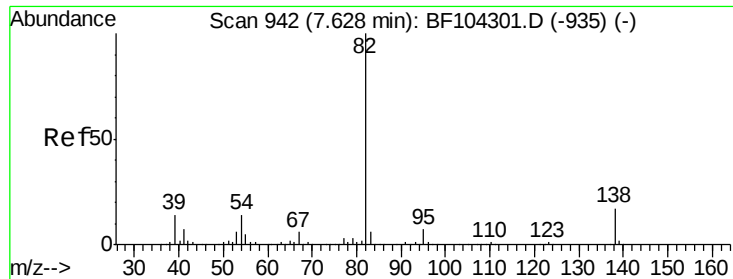


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 30.222 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-P4-WC

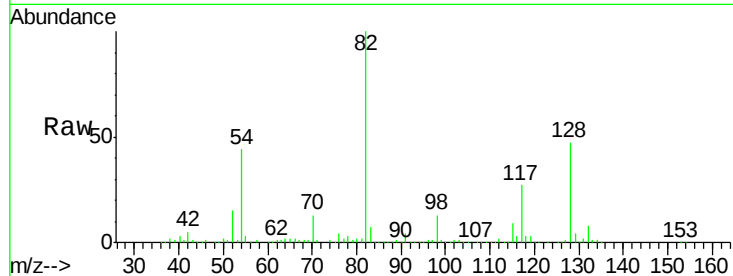
Tgt Ion: 82 Resp: 308090

Ion Ratio Lower Upper

82 100

95 0.4 5.2 7.8#

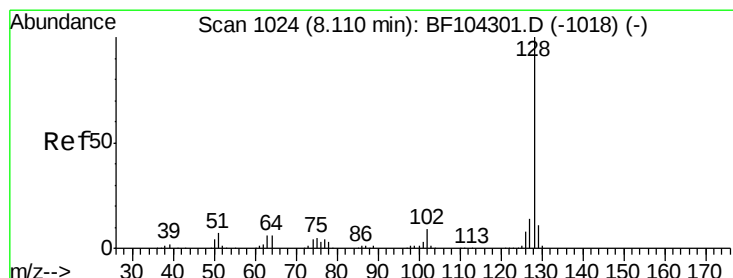
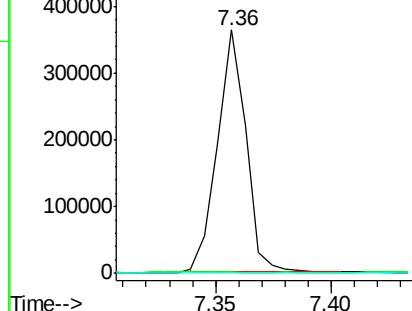
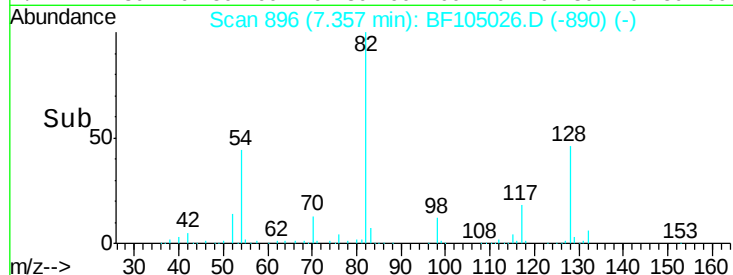
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 313.732 ng

RT: 8.12 min Scan# 1026

Delta R.T. 0.02 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

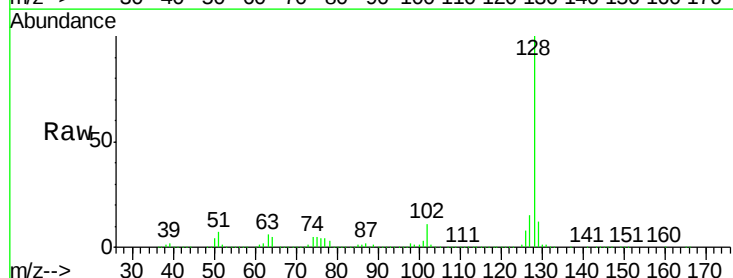
Tgt Ion: 128 Resp: 4917686

Ion Ratio Lower Upper

128 100

129 11.8 8.8 13.2

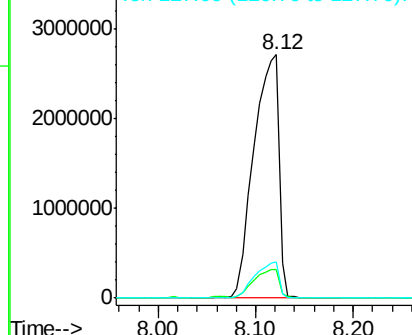
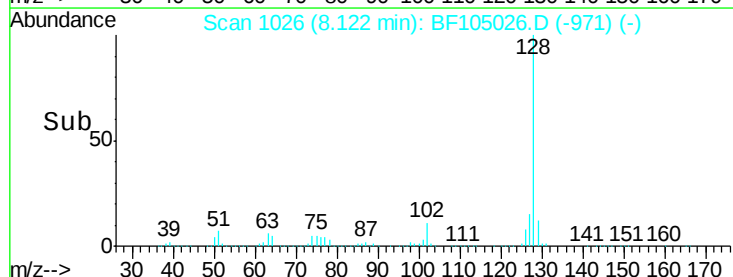
127 14.6 10.9 16.3

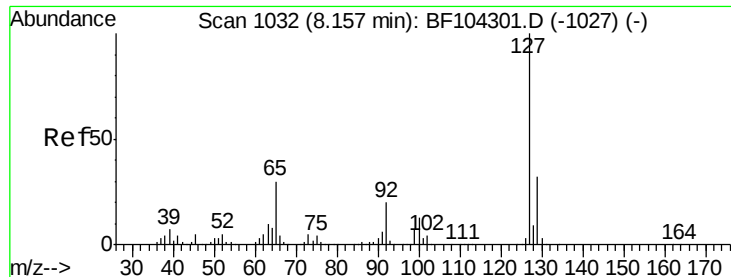


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

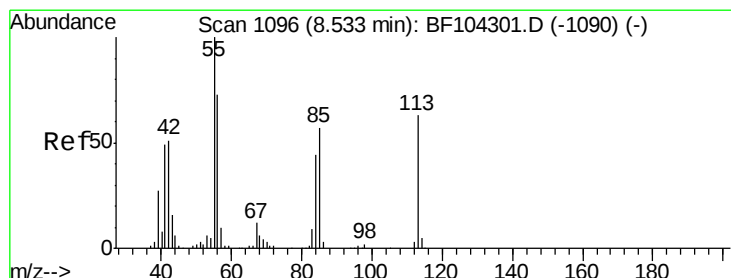
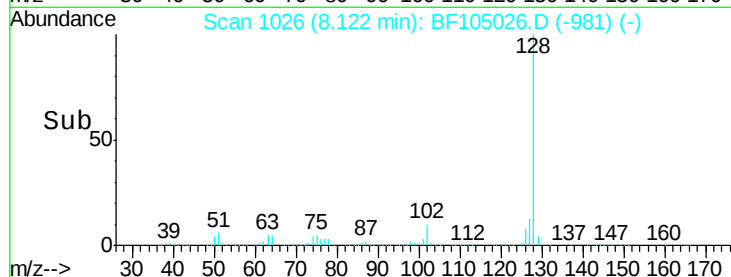
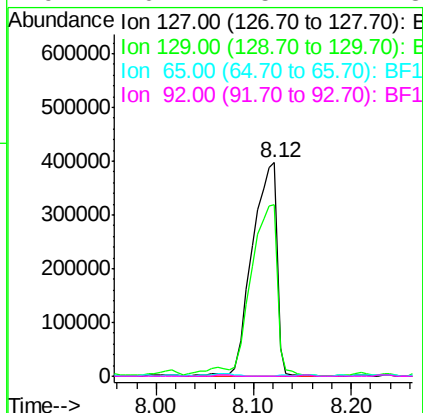
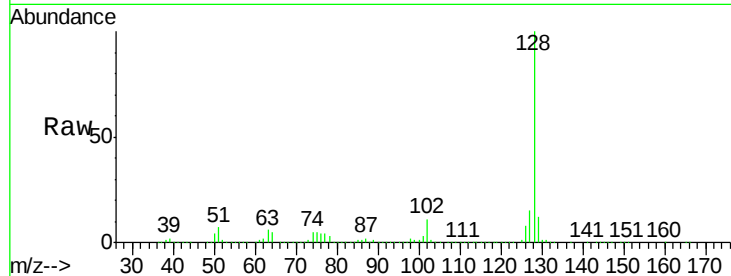




#33
 4-Chloroaniline
 Concen: 105.512 ng
 RT: 8.12 min Scan# 1026
 Delta R.T. -0.04 min
 Lab File: BF105026.D
 Acq: 2 May 2018 13:10

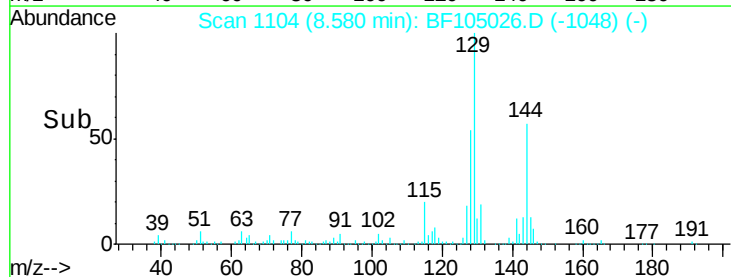
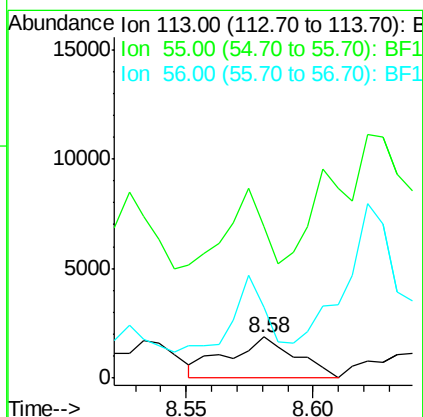
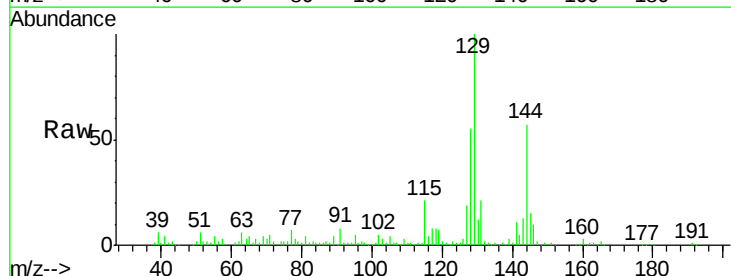
Instrument :
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 COMPOSITE-P4-WC

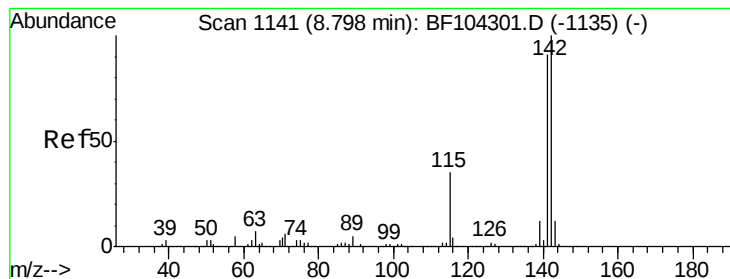
Tgt Ion:	127	Resp:	708547
Ion	Ratio	Lower	Upper
127	100		
129	80.3	25.9	38.9#
65	0.0	25.0	37.4#
92	0.2	15.2	22.8#



#35
 Caprolactam
 Concen: 2.345 ng
 RT: 8.58 min Scan# 1104
 Delta R.T. 0.03 min
 Lab File: BF105026.D
 Acq: 2 May 2018 13:10

Tgt Ion:	113	Resp:	3512
Ion	Ratio	Lower	Upper
113	100		
55	369.1	163.3	203.3#
56	173.3	115.7	155.7#





#37

2-Methylnaphthalene

Concen: 232.226 ng

RT: 8.81 min Scan# 1143

Delta R.T. 0.02 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-P4-WC

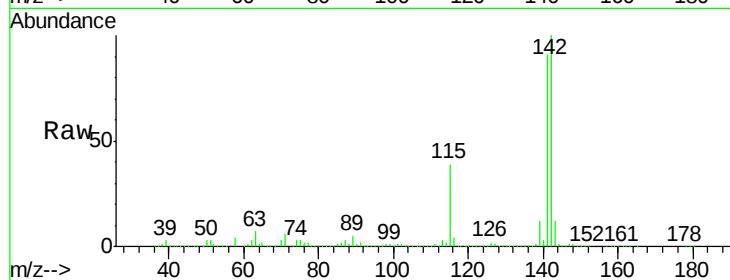
Tgt Ion:142 Resp: 2354587

Ion Ratio Lower Upper

142 100

141 91.3 70.8 106.2

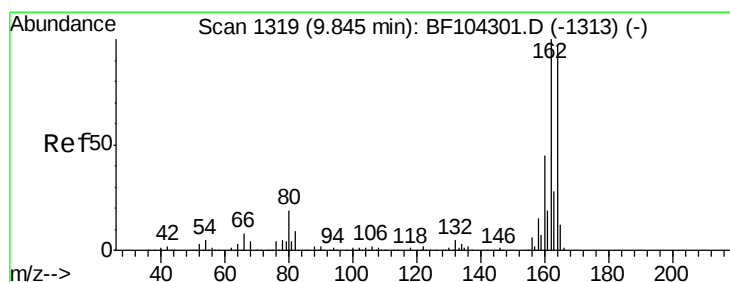
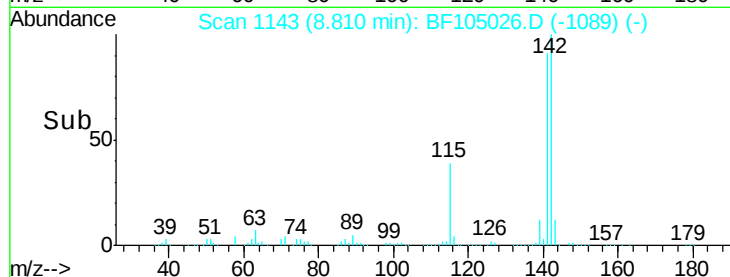
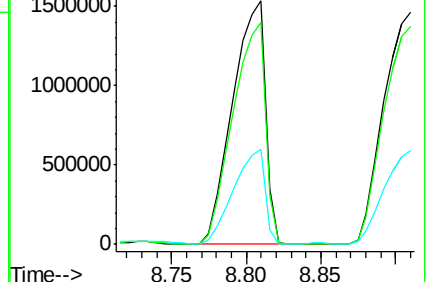
115 39.3 26.1 39.1#



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: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

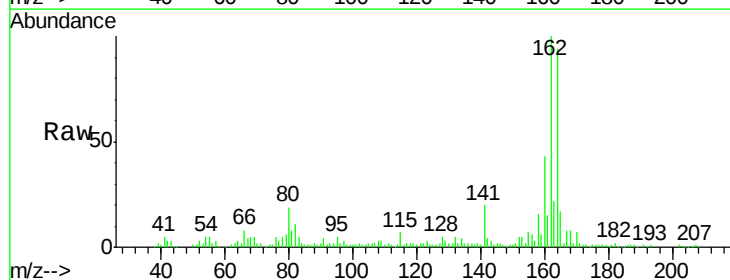
Tgt Ion:164 Resp: 159539

Ion Ratio Lower Upper

164 100

162 106.9 86.1 129.1

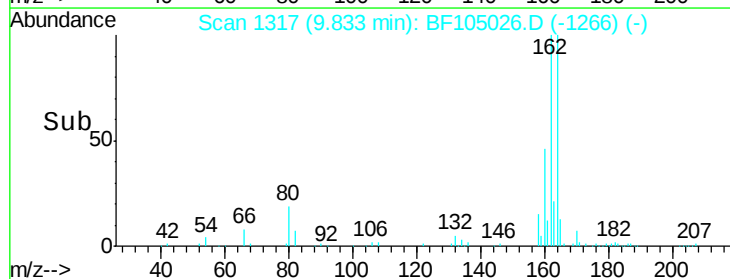
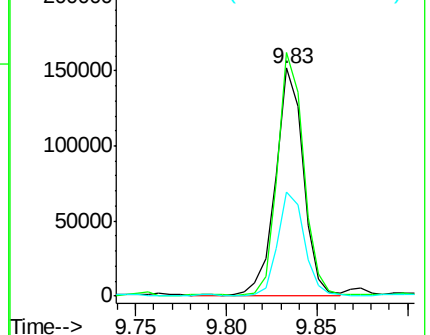
160 45.8 38.3 57.5

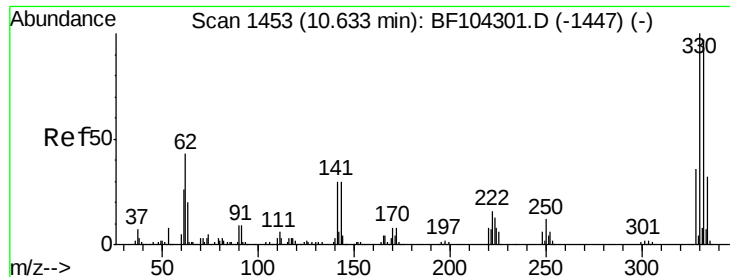


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

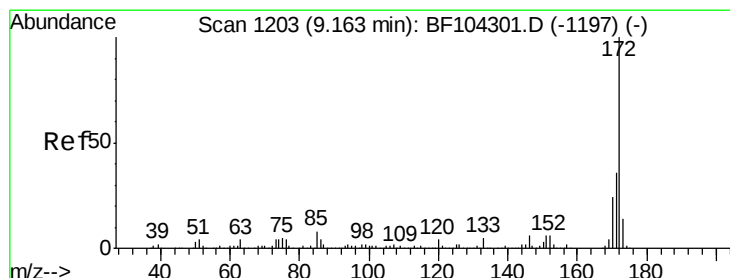
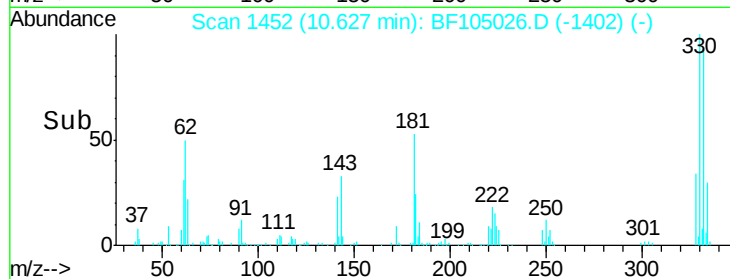
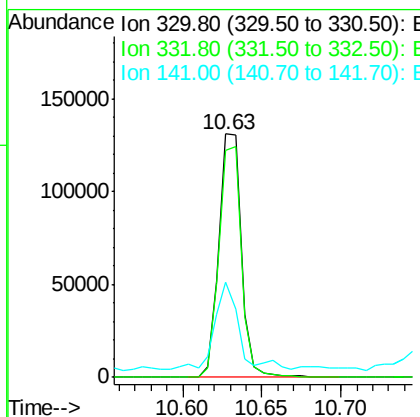
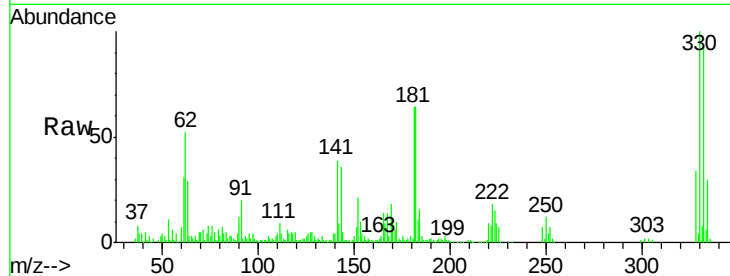




#41
 2,4,6-Tribromophenol
 Concen: 78.229 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF105026.D
 Acq: 2 May 2018 13:10

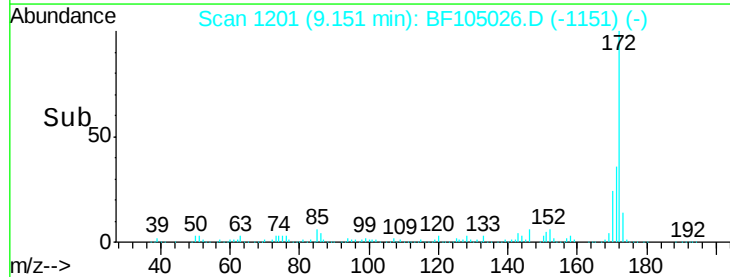
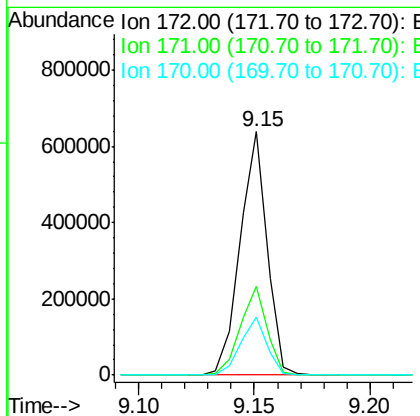
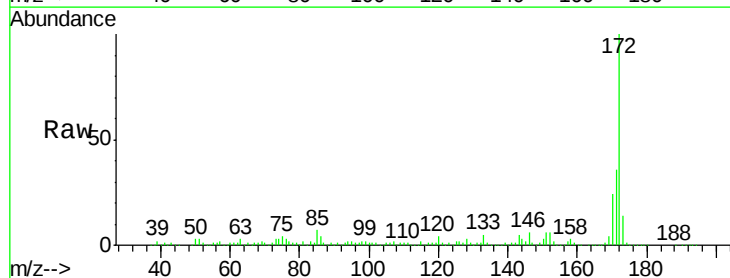
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-P4-WC

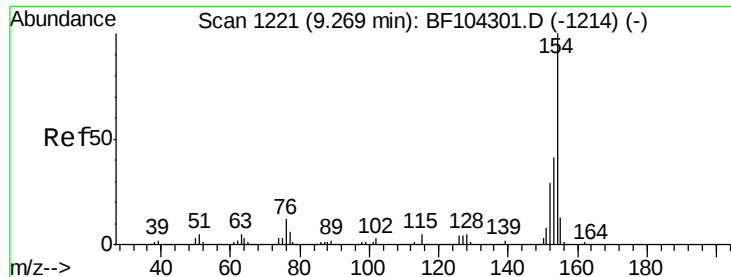
Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	34.7	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 51.238 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF105026.D
 Acq: 2 May 2018 13:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.0	19.6	29.4

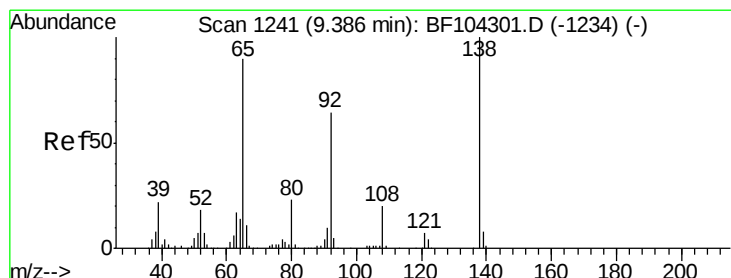
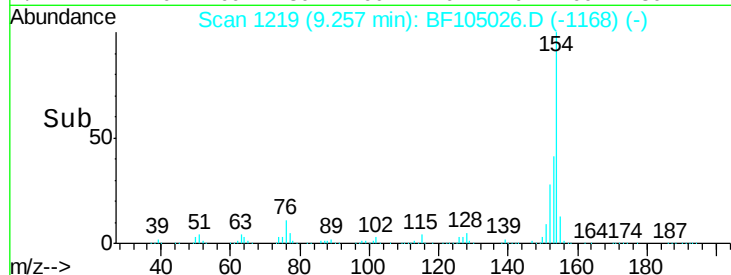
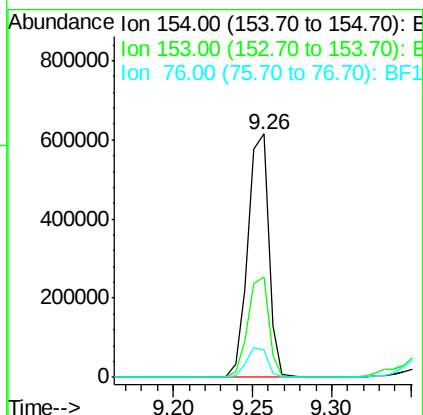
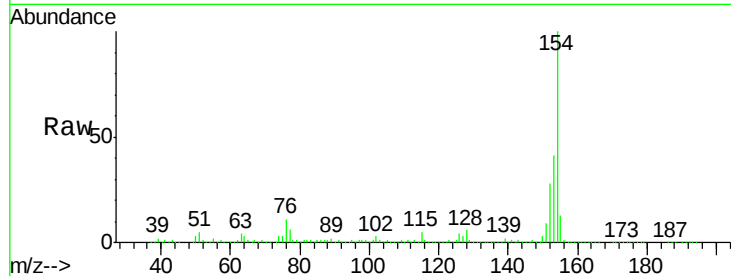




#45
1,1'-Biphenyl
Concen: 42.003 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

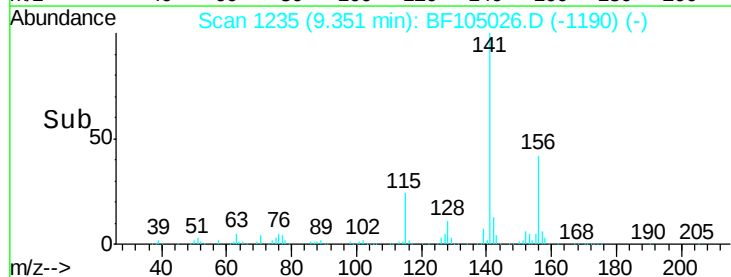
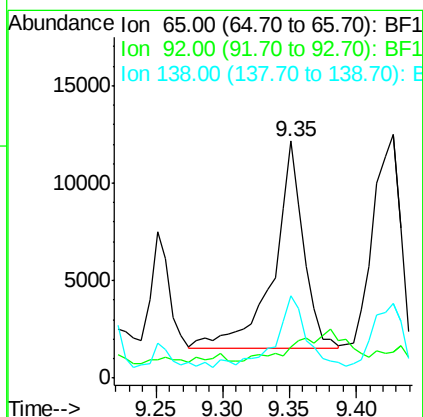
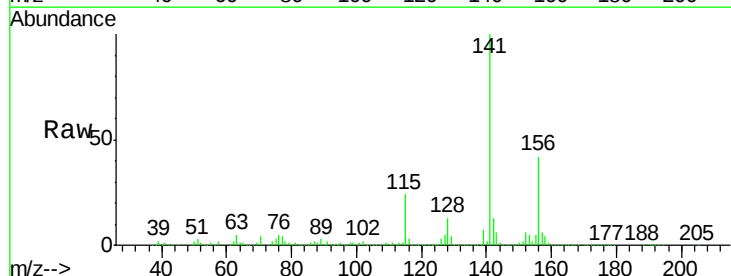
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WC

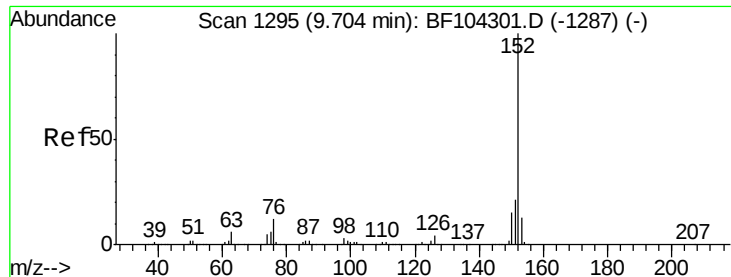
Tgt Ion:154 Resp: 562942
Ion Ratio Lower Upper
154 100
153 41.3 21.3 61.3
76 11.1 0.0 34.0



#47
2-Nitroaniline
Concen: 6.355 ng
RT: 9.35 min Scan# 1235
Delta R.T. -0.04 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Tgt Ion: 65 Resp: 16637
Ion Ratio Lower Upper
65 100
92 13.2 55.8 83.6#
138 34.6 91.2 136.8#





#48

Acenaphthylene

Concen: 25.681 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-P4-WC

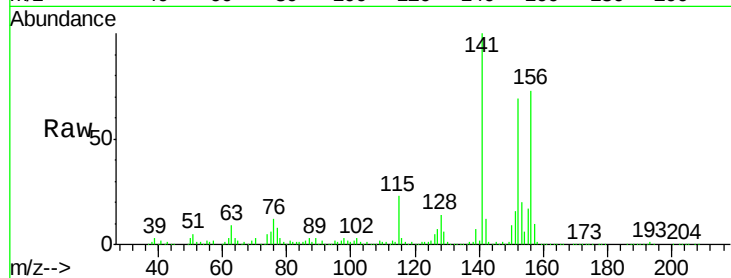
Tgt Ion:152 Resp: 426548

Ion Ratio Lower Upper

152 100

151 23.0 16.3 24.5

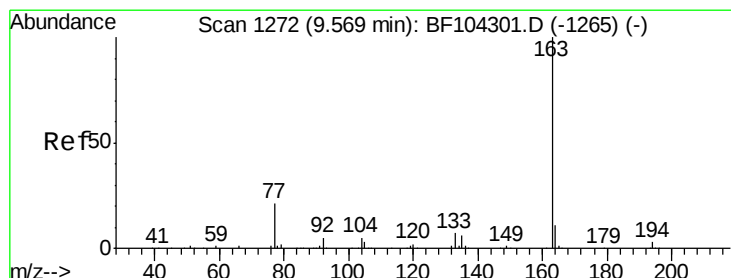
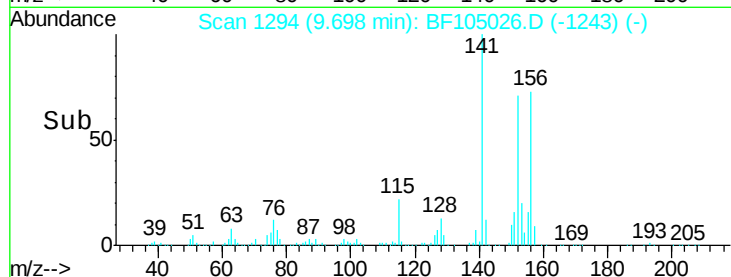
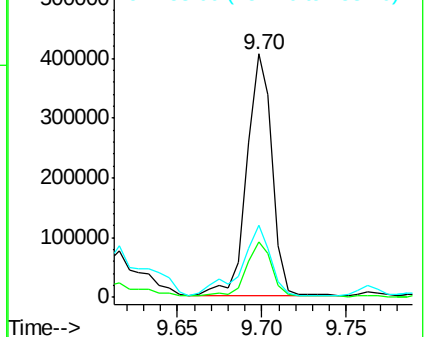
153 29.6 10.7 16.1#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 4.661 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

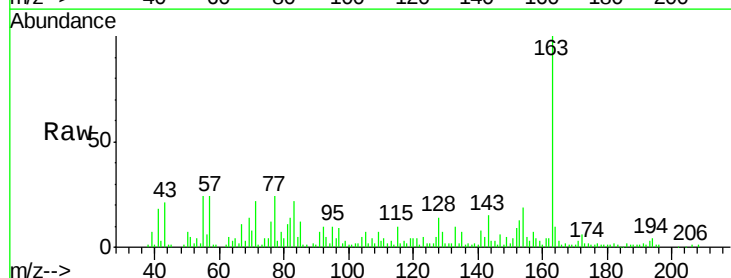
Tgt Ion:163 Resp: 58638

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

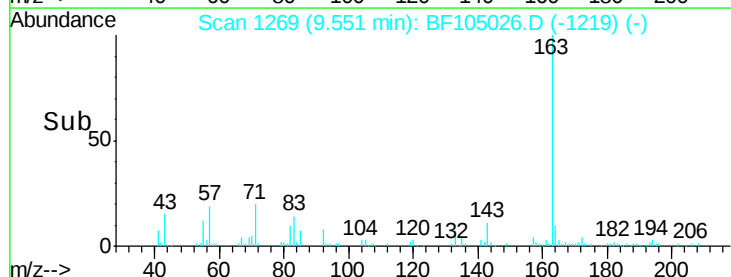
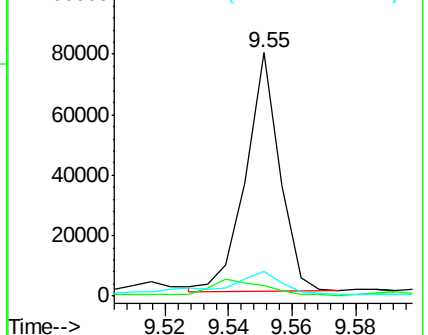
164 10.2 8.2 12.2

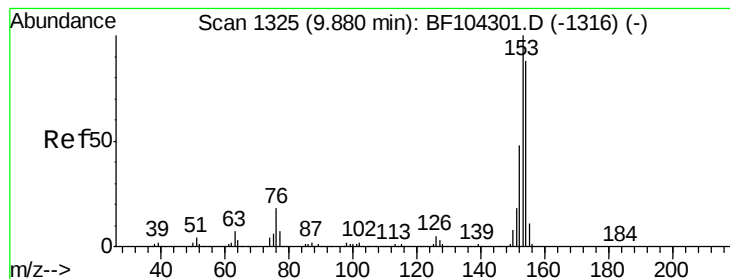


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 135.749 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.01 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-P4-WC

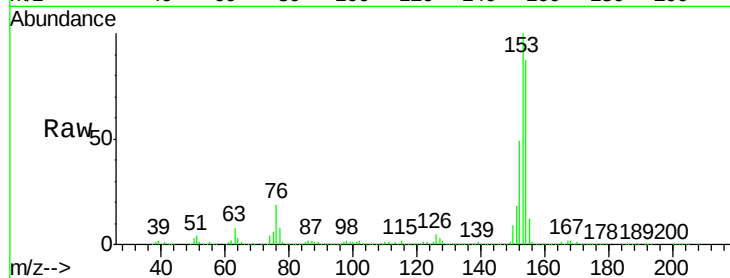
Tgt Ion:154 Resp: 1375675

Ion Ratio Lower Upper

154 100

153 114.7 91.2 136.8

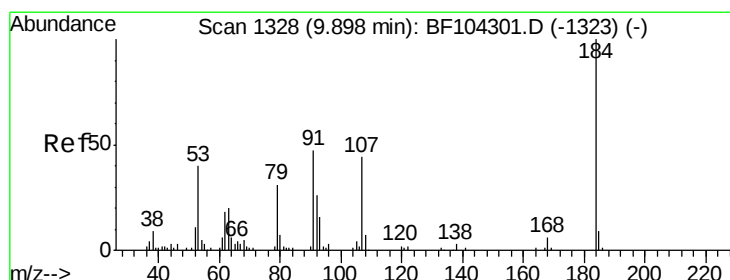
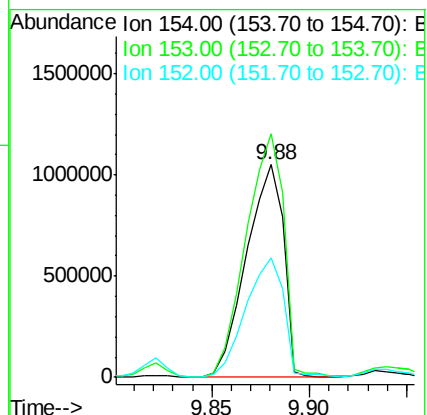
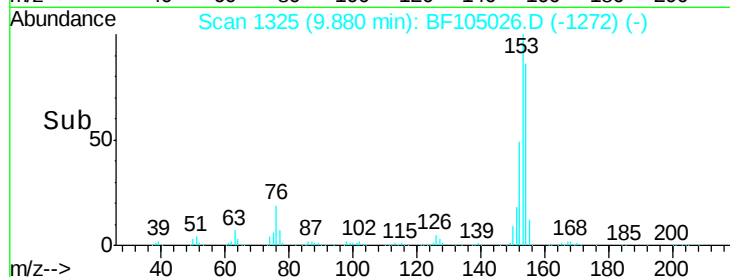
152 56.2 43.8 65.8



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



#53

2,4-Dinitrophenol

Concen: 6.486 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.02 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

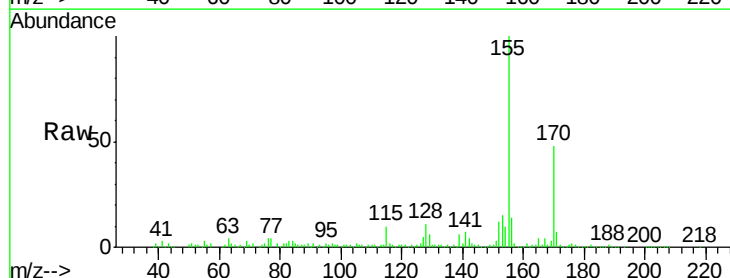
Tgt Ion:184 Resp: 868

Ion Ratio Lower Upper

184 100

63 1122.3 54.2 81.2#

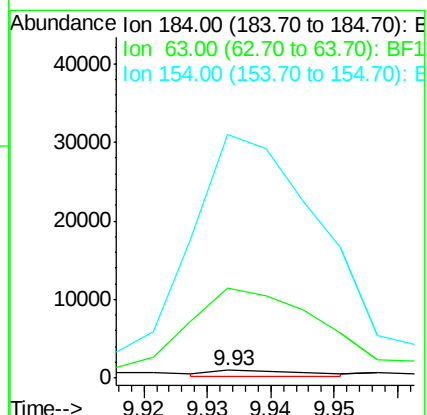
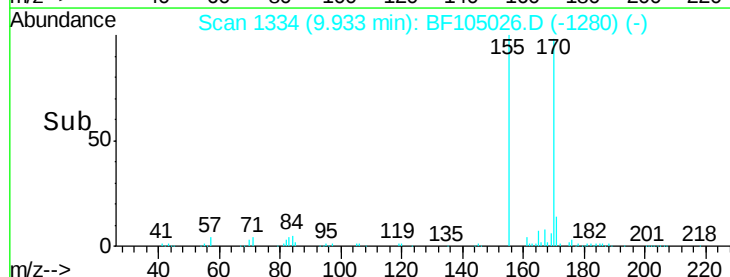
154 3045.8 184.0 276.0#

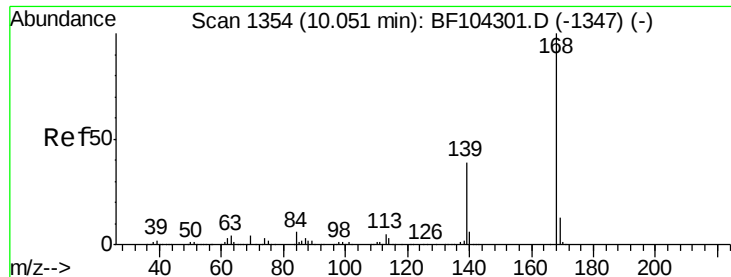


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 11.573 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-P4-WC

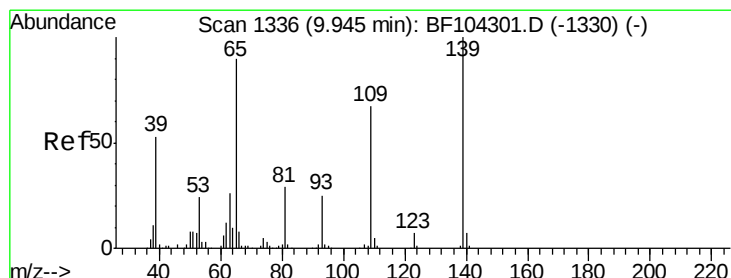
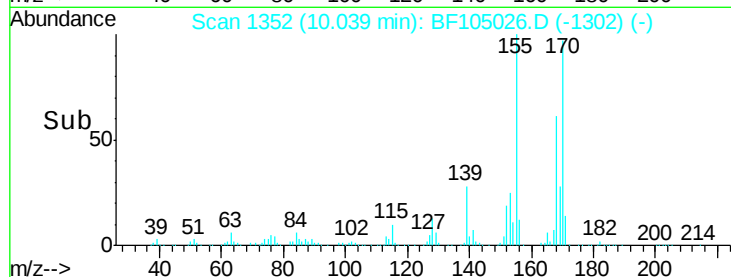
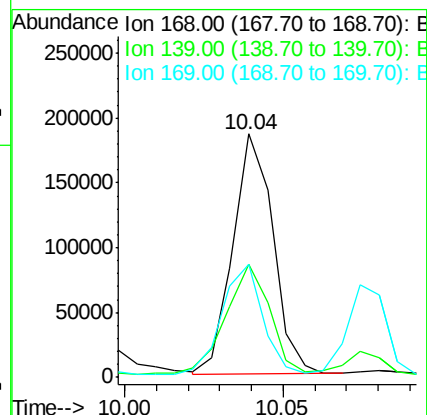
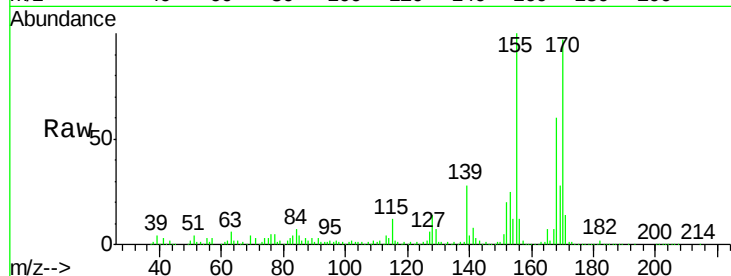
Tgt Ion:168 Resp: 163447

Ion Ratio Lower Upper

168 100

139 46.5 30.1 45.1#

169 46.7 10.9 16.3#



#55

4-Nitrophenol

Concen: 3.732 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.01 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

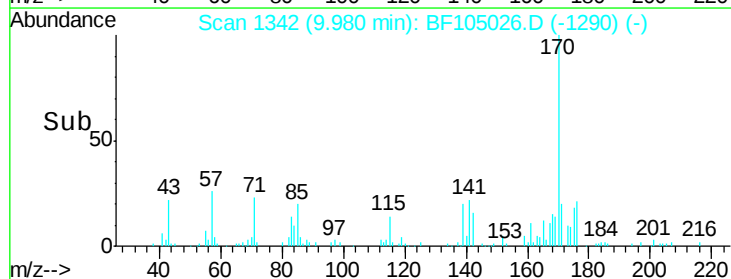
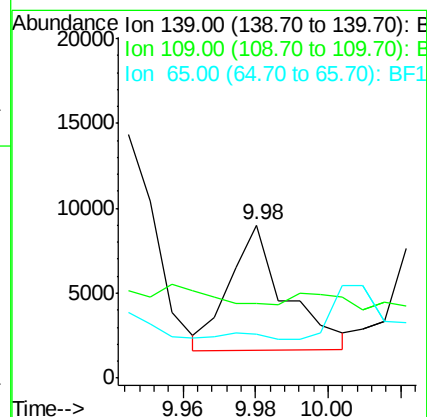
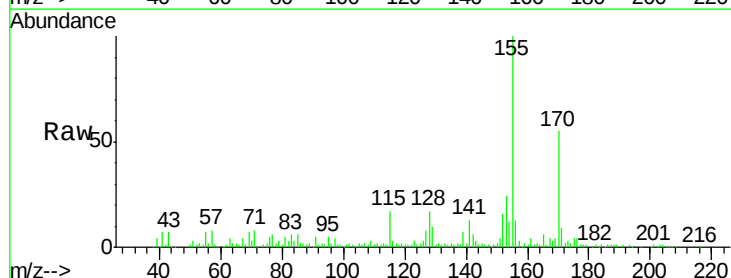
Tgt Ion:139 Resp: 7989

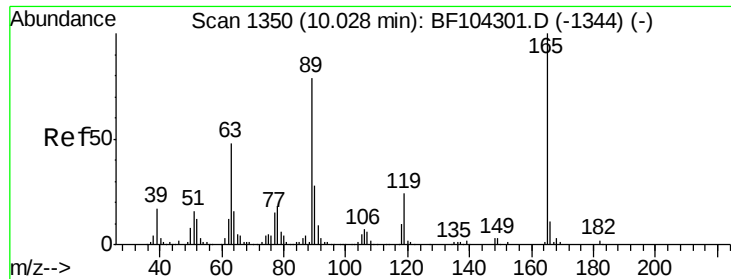
Ion Ratio Lower Upper

139 100

109 48.8 48.4 88.4

65 28.8 72.6 112.6#

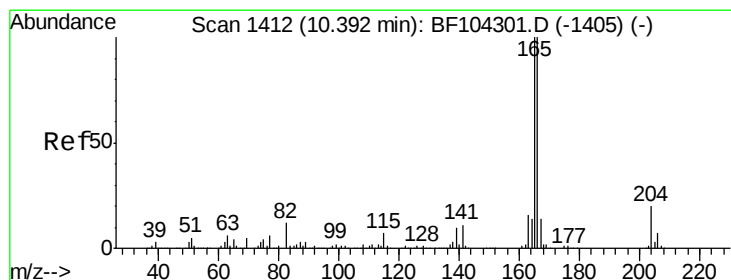
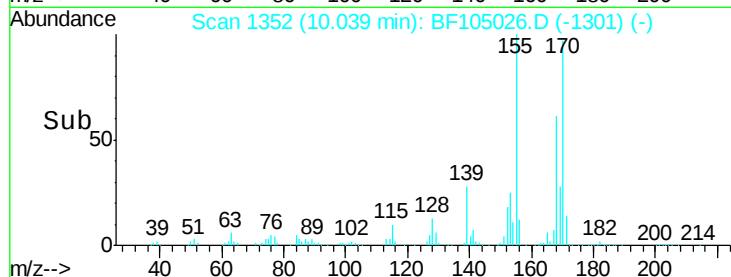
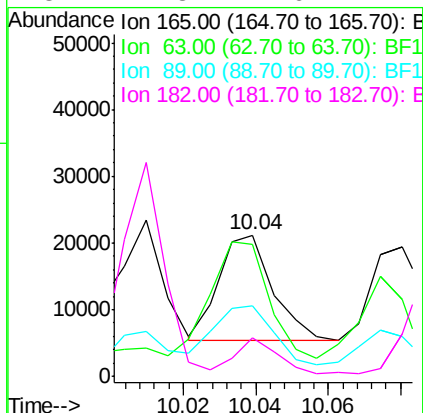
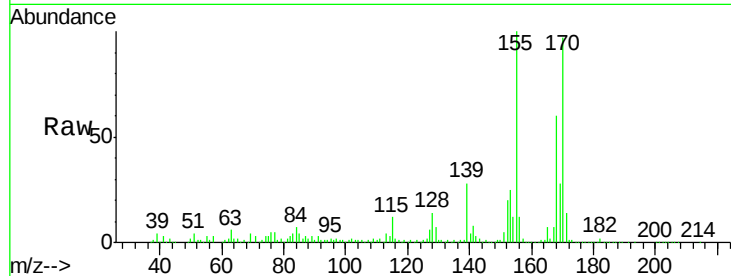




#56
2,4-Dinitrotoluene
Concen: 5.404 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.00 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

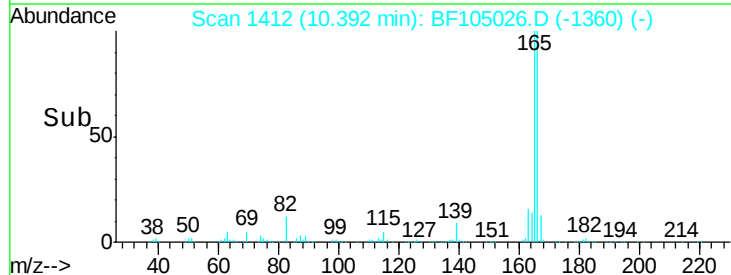
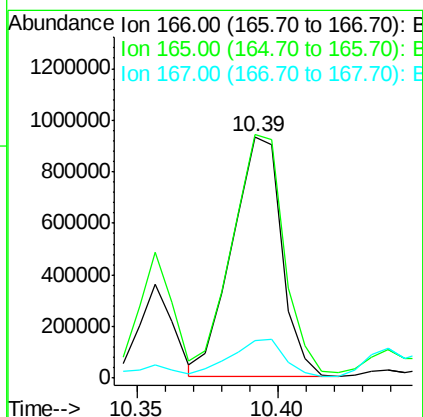
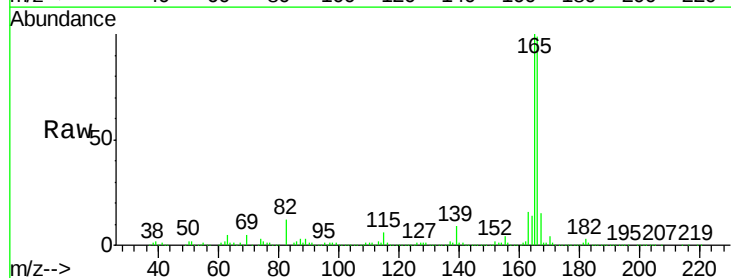
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WC

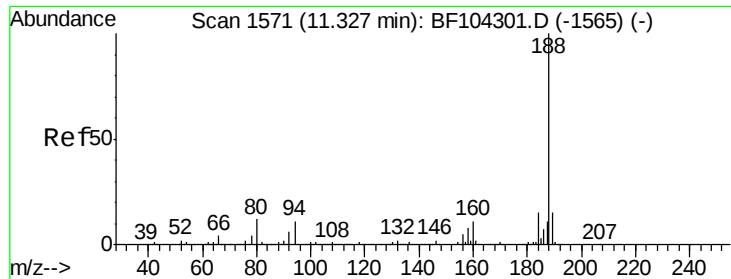
Tgt Ion	Ratio	Lower	Upper
165	100		
63	93.7	36.4	54.6#
89	49.4	57.8	86.6#
182	27.3	1.6	2.4#



#57
Fluorene
Concen: 110.334 ng
RT: 10.39 min Scan# 1412
Delta R.T. 0.01 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.0	79.8	119.8
167	15.6	10.6	16.0

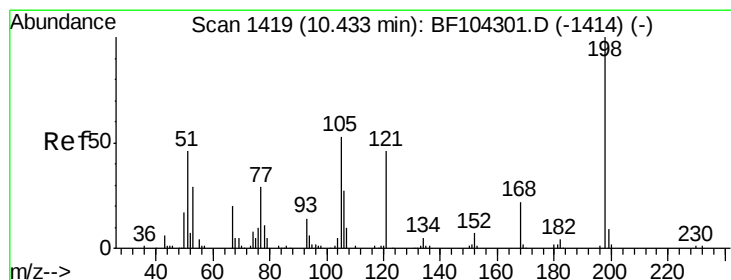
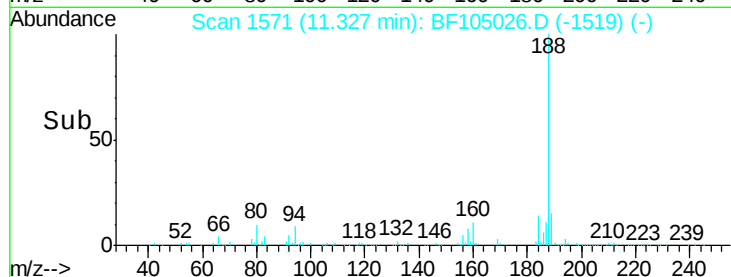
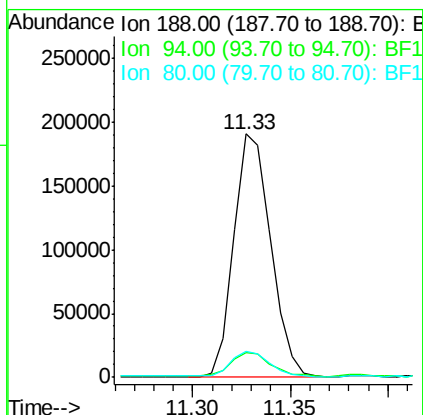
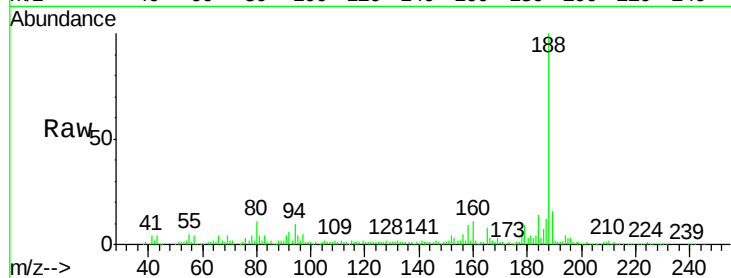




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

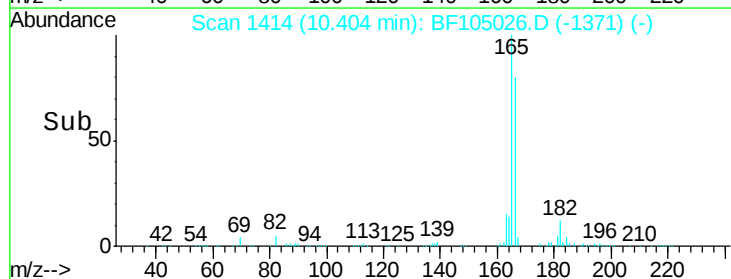
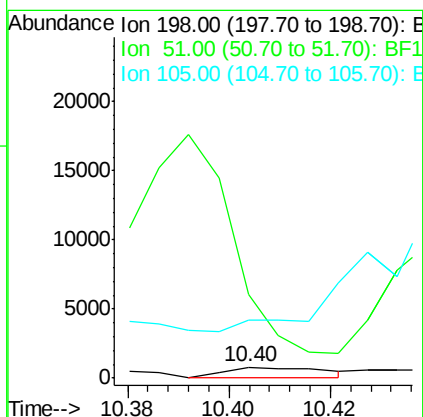
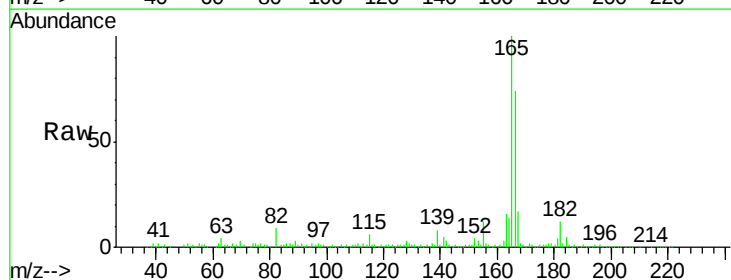
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WC

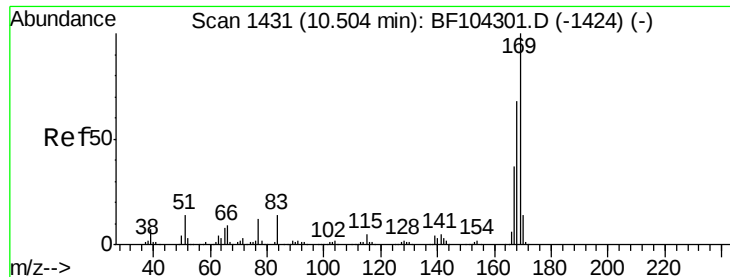
Tgt Ion:188 Resp: 251407
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 10.7 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.098 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.05 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Tgt Ion:198 Resp: 1086
Ion Ratio Lower Upper
198 100
51 755.3 37.7 77.7#
105 527.4 36.3 76.3#

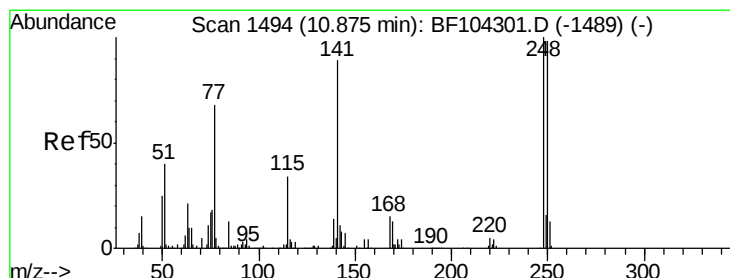
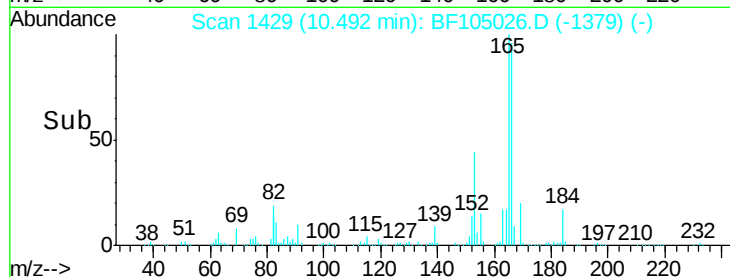
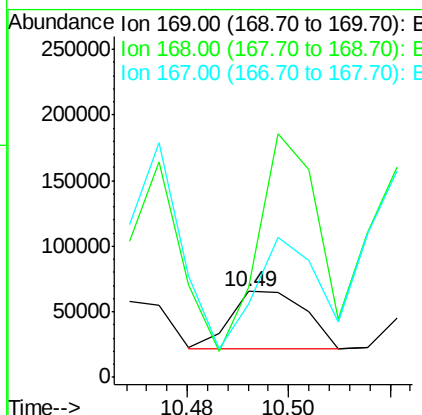
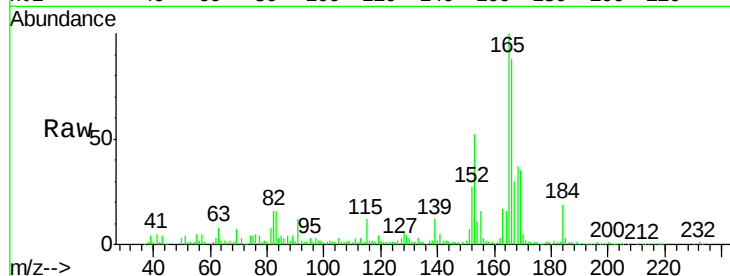




#65
 n-Nitrosodiphenylamine
 Concen: 5.197 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF105026.D
 Acq: 2 May 2018 13:10

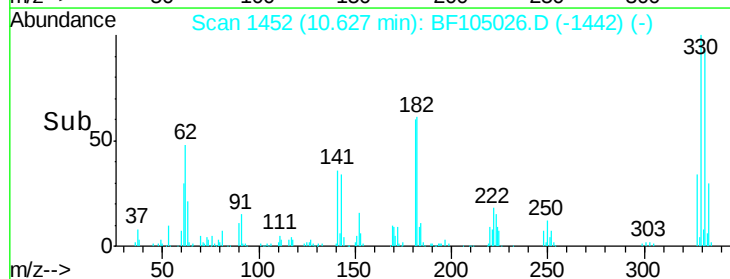
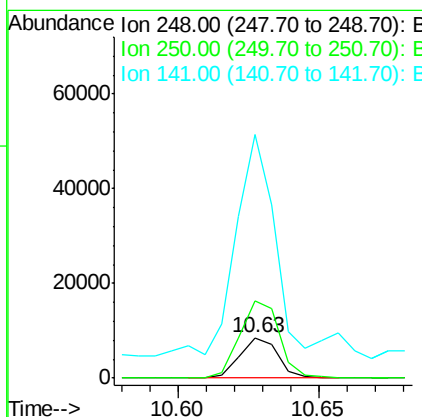
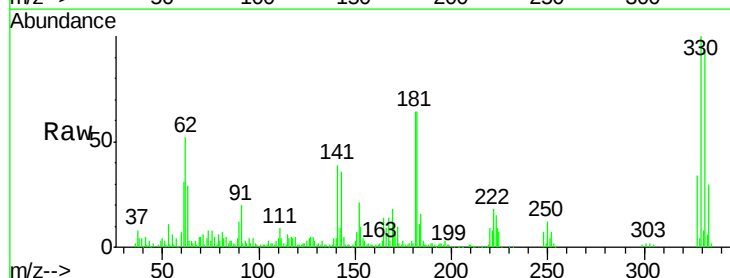
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-P4-WC

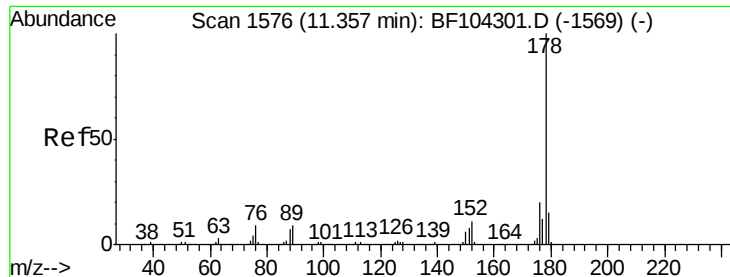
Tgt Ion:169 Resp: 45302
 Ion Ratio Lower Upper
 169 100
 168 105.4 54.4 81.6#
 167 85.6 29.8 44.6#



#66
 4-Bromophenyl-phenylether
 Concen: 3.000 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF105026.D
 Acq: 2 May 2018 13:10

Tgt Ion:248 Resp: 8023
 Ion Ratio Lower Upper
 248 100
 250 190.1 76.9 115.3#
 141 601.5 74.4 111.6#





#70

Phenanthrene

Concen: 218.735 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.02 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-P4-WC

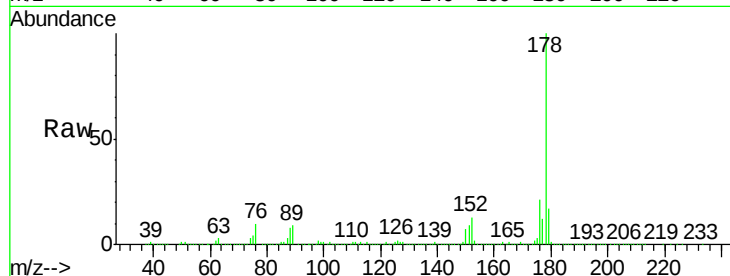
Tgt Ion:178 Resp: 3062441

Ion Ratio Lower Upper

178 100

176 20.7 15.8 23.8

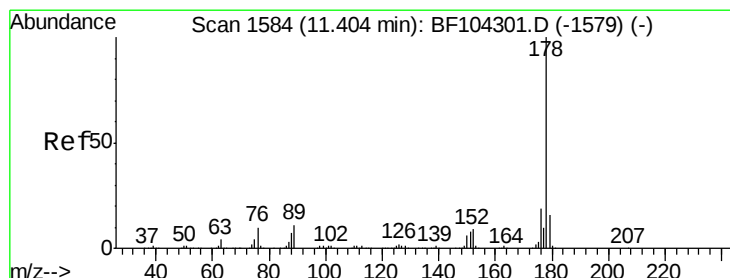
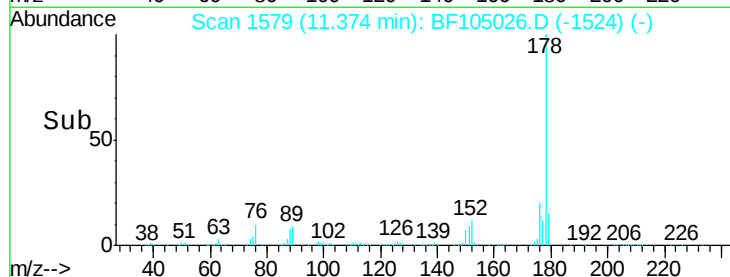
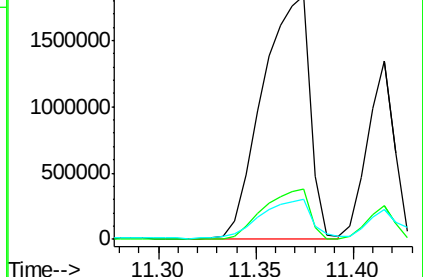
179 16.6 13.0 19.6



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



#71

Anthracene

Concen: 90.108 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

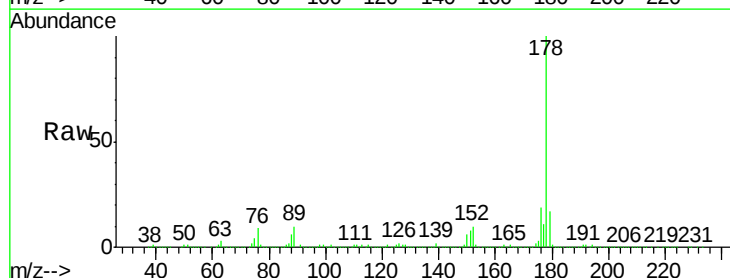
Tgt Ion:178 Resp: 1282407

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

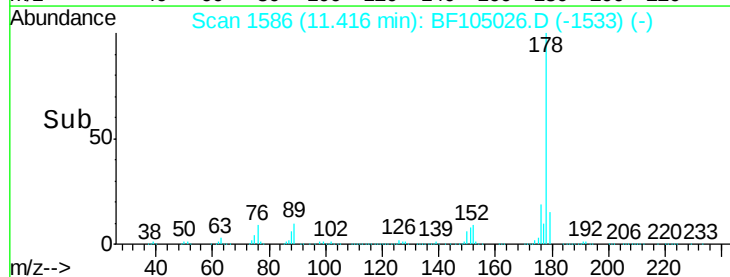
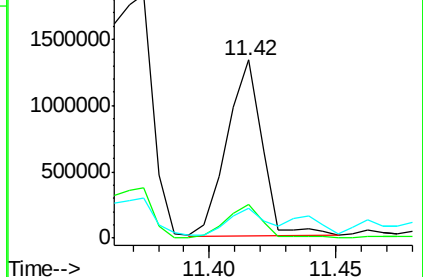
179 16.6 12.6 19.0

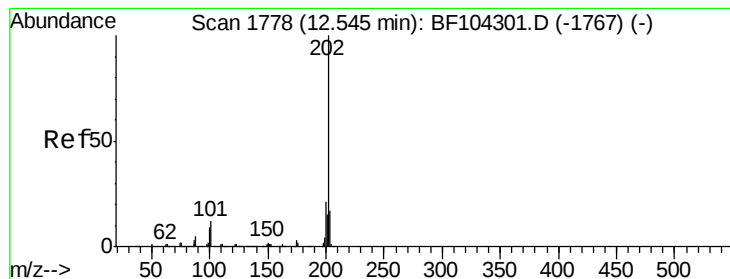


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 75.943 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-P4-WC

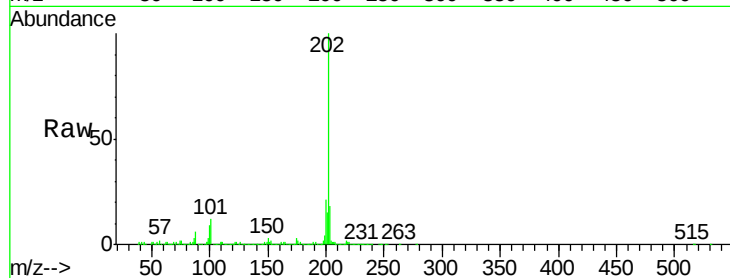
Tgt Ion:202 Resp: 1110894

Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.1

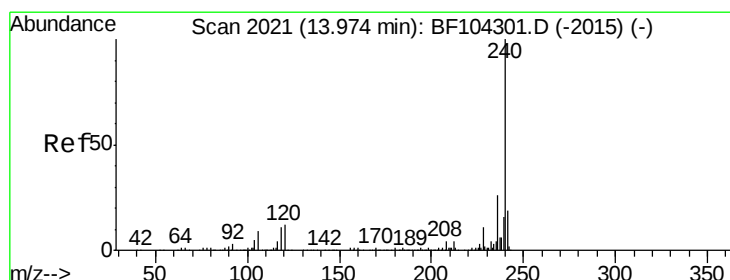
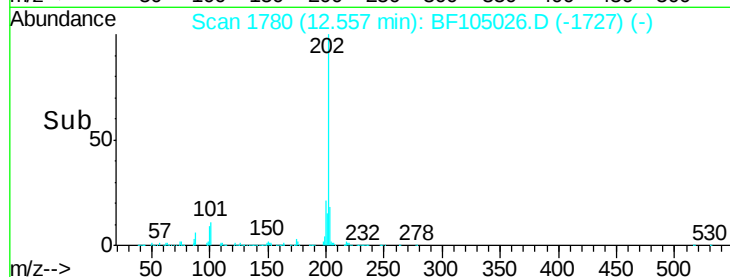
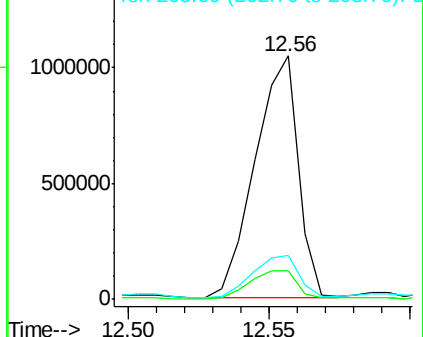
203 18.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

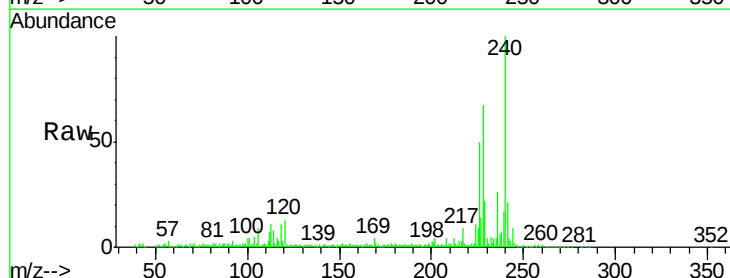
Tgt Ion:240 Resp: 175481

Ion Ratio Lower Upper

240 100

120 13.1 9.5 14.3

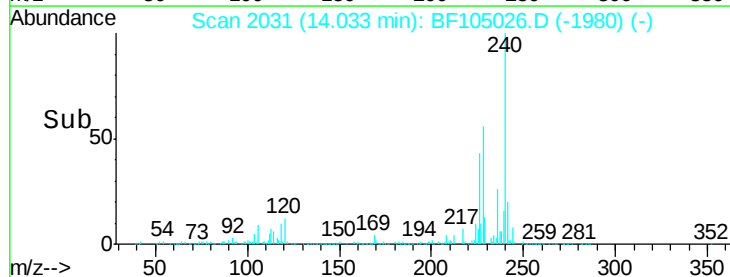
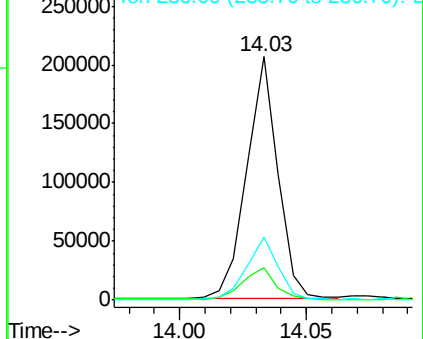
236 26.1 20.7 31.1

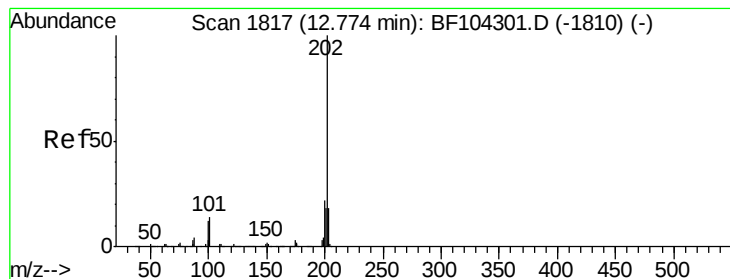


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 120.239 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.02 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Instrument :

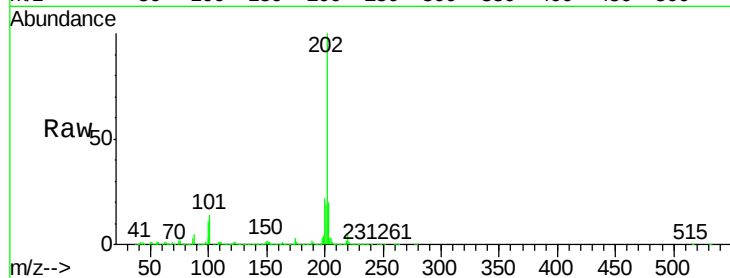
BNA_F

ClientSampleId :

COMPOSITE-P4-WC

Tgt Ion:202 Resp: 1563977

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	19.5	14.3	21.5

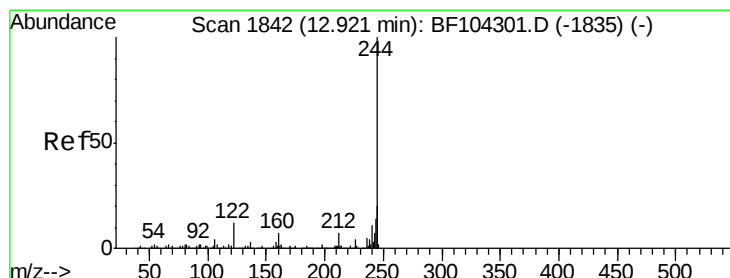
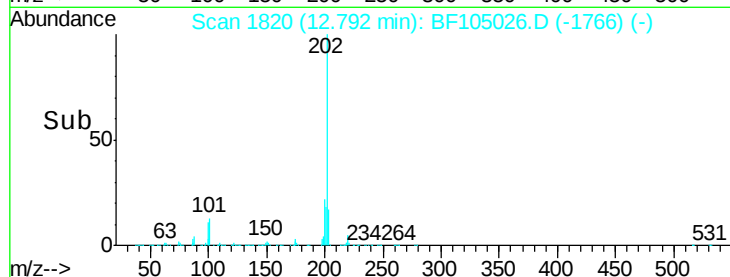
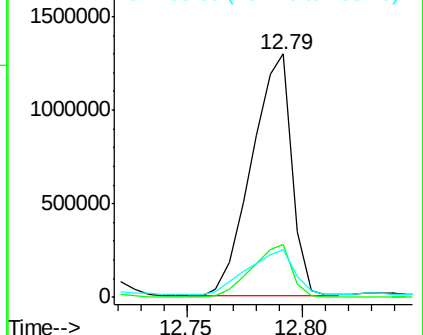


Abundance

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: 55.288 ng

RT: 12.92 min Scan# 1841

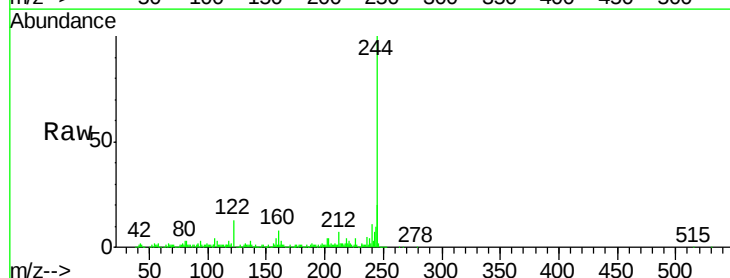
Delta R.T. -0.00 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Tgt Ion:244 Resp: 425559

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.2	11.0	16.4

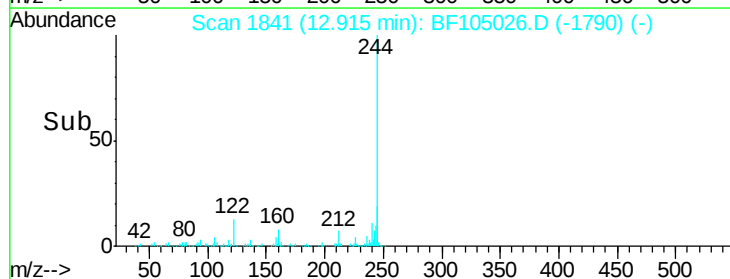
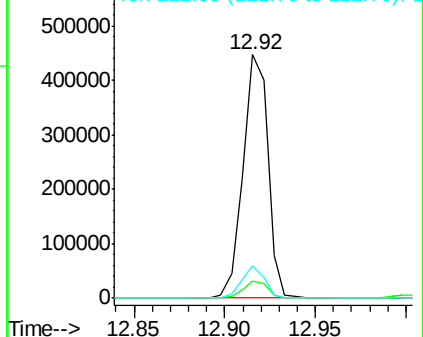


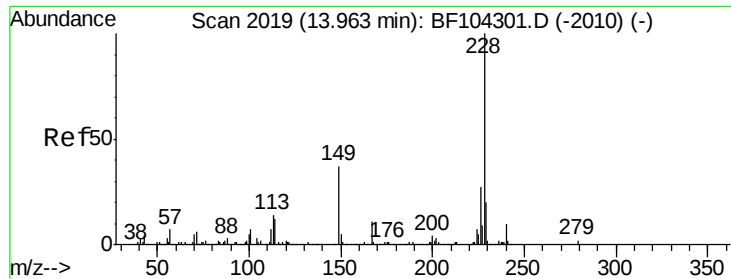
Abundance

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

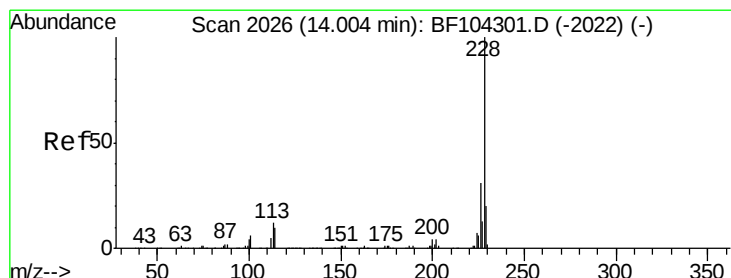
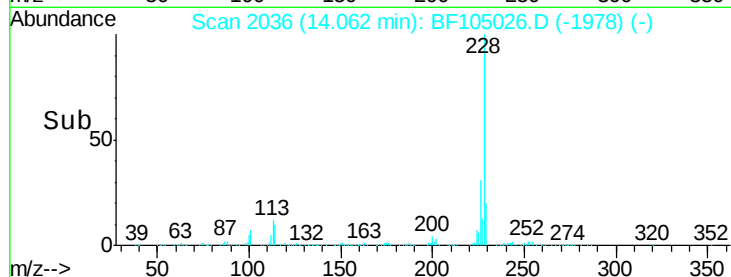
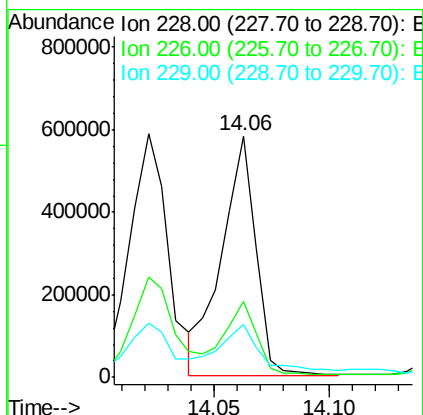
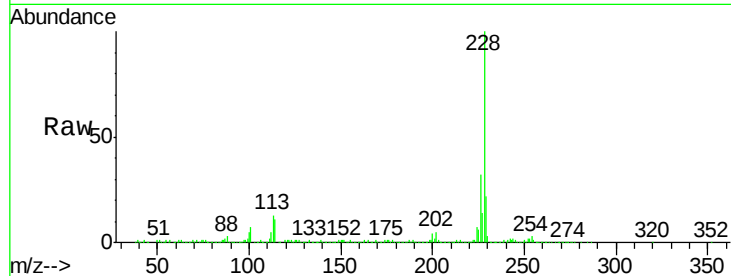




#80
Benzo(a)anthracene
Concen: 56.979 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.04 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

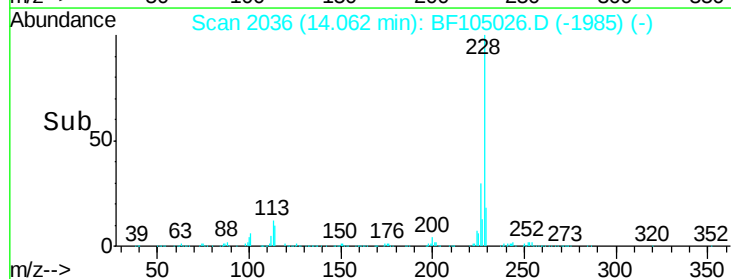
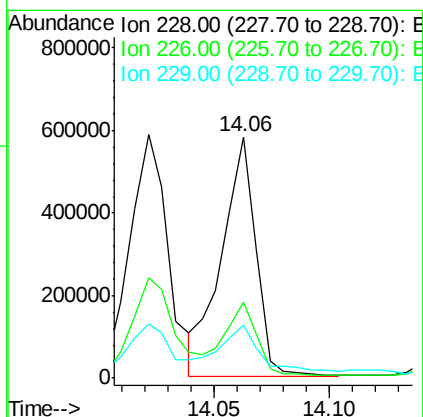
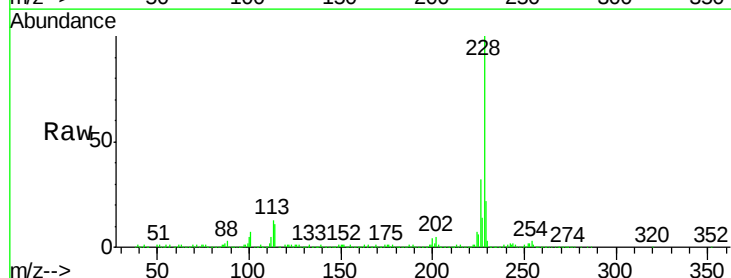
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WC

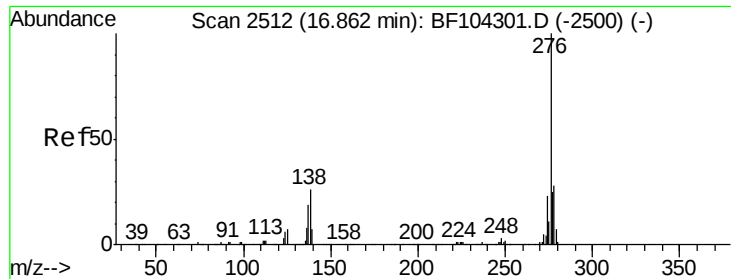
Tgt Ion:228 Resp: 597334
Ion Ratio Lower Upper
228 100
226 31.6 22.6 33.8
229 22.0 15.8 23.6



#82
Chrysene
Concen: 55.473 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.00 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Tgt Ion:228 Resp: 597334
Ion Ratio Lower Upper
228 100
226 31.6 25.0 37.6
229 22.0 16.2 24.4

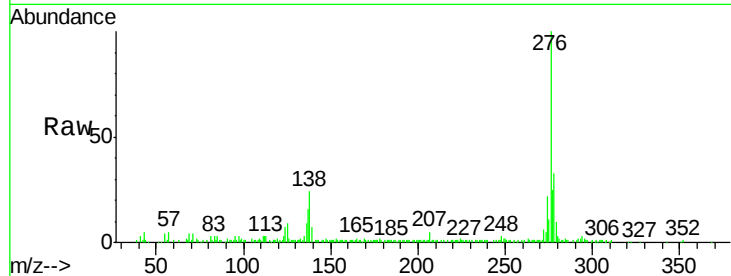




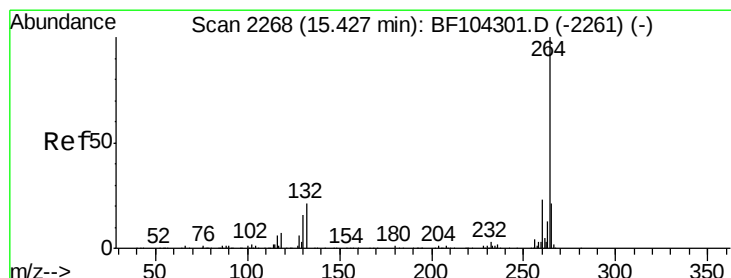
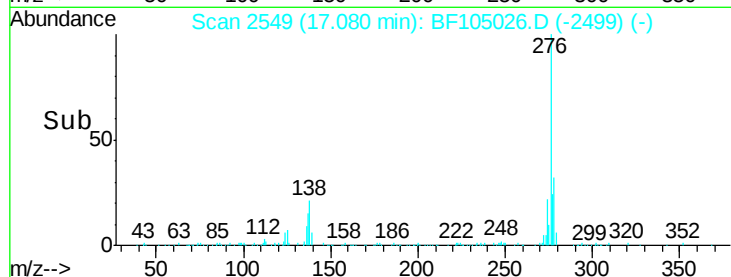
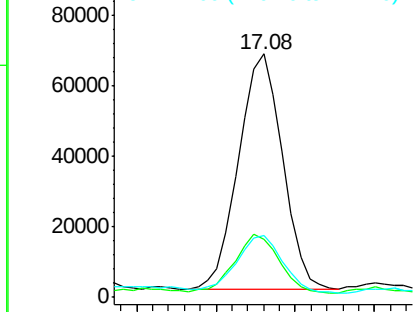
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 14.078 ng
 RT: 17.08 min Scan# 2549
 Delta R.T. -0.01 min
 Lab File: BF105026.D
 Acq: 2 May 2018 13:10

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-P4-WC

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	25.0	37.6#
277	25.5	20.1	30.1

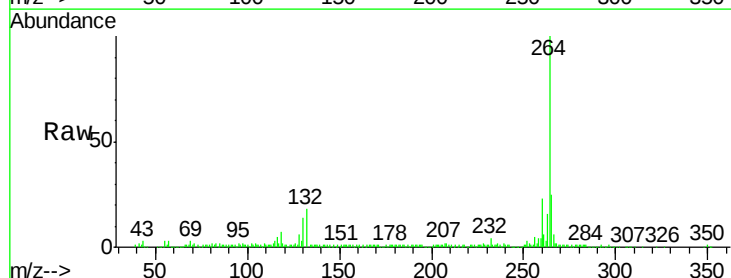


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

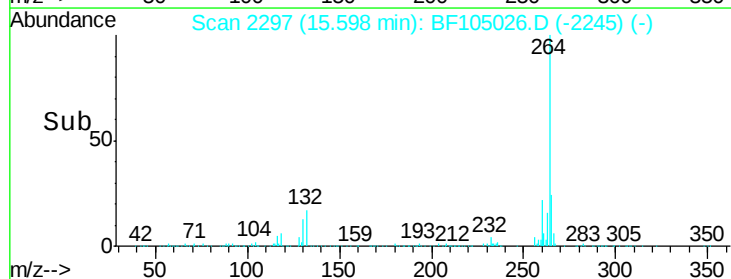
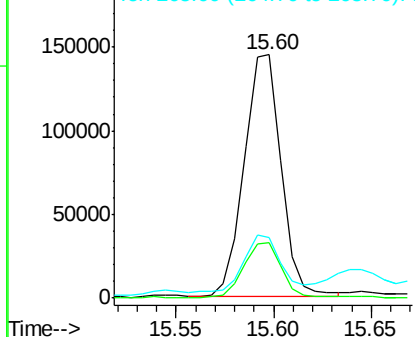


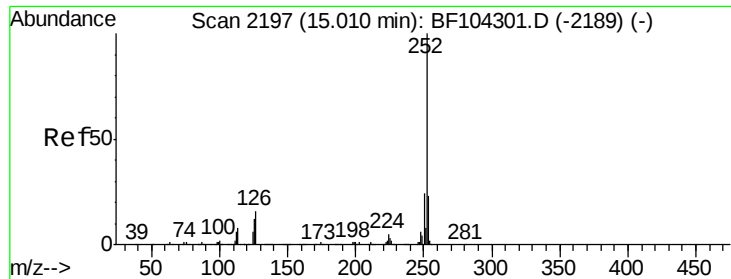
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.60 min Scan# 2297
 Delta R.T. 0.01 min
 Lab File: BF105026.D
 Acq: 2 May 2018 13:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	24.8	17.5	26.3



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

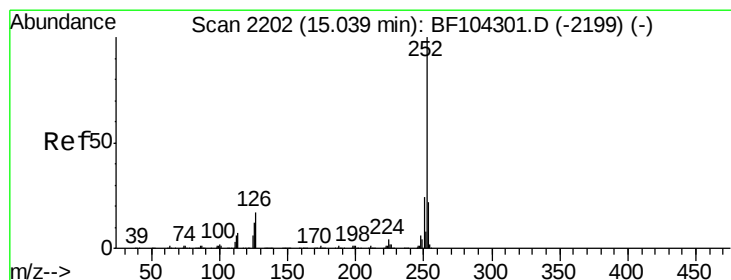
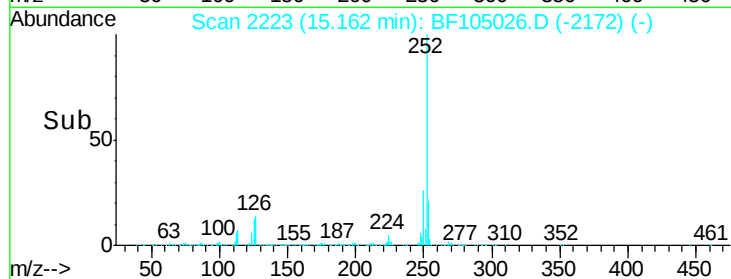
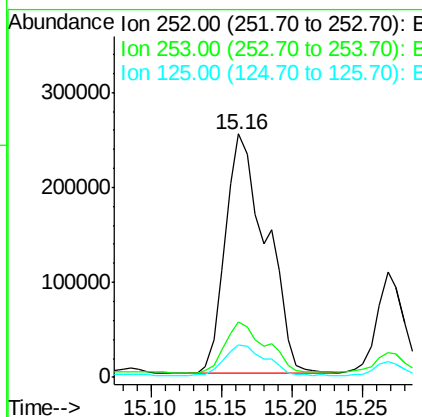
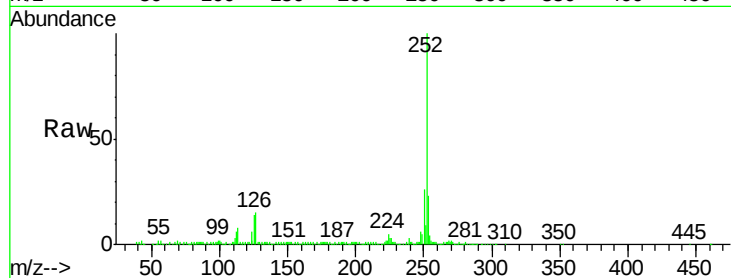




#87
Benzo(b)fluoranthene
Concen: 43.016 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.00 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

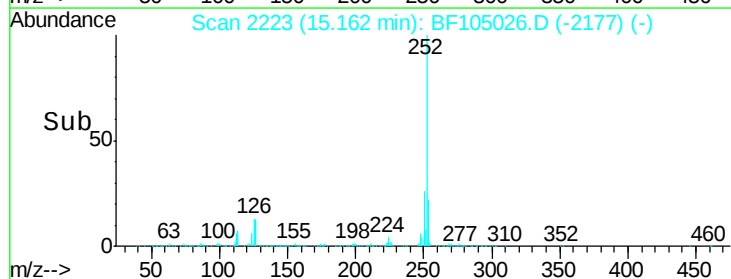
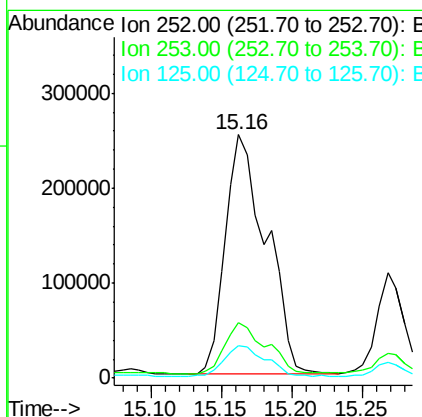
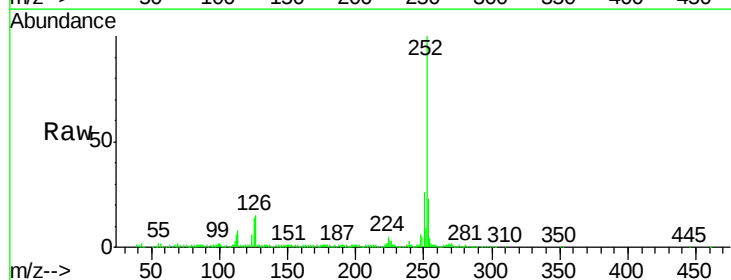
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WC

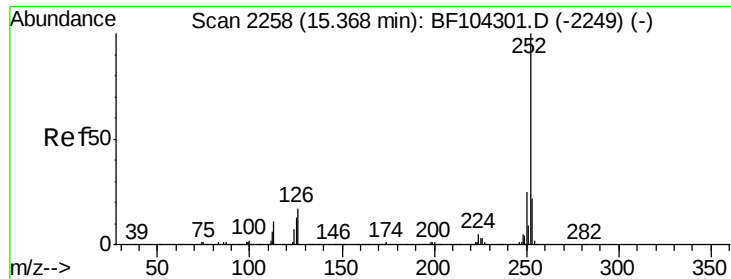
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	13.5	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 45.564 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.03 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	13.5	10.2	15.2





#89

Benzo(a)pyrene

Concen: 41.226 ng

RT: 15.53 min Scan# 2286

Delta R.T. -0.00 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-P4-WC

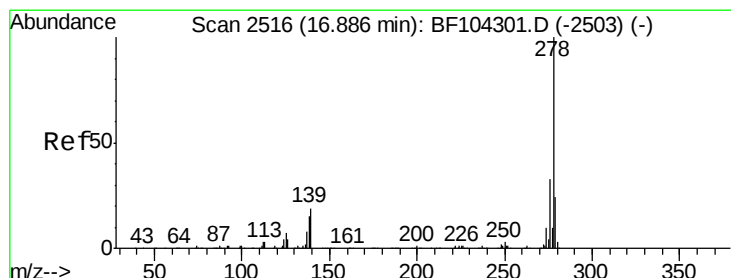
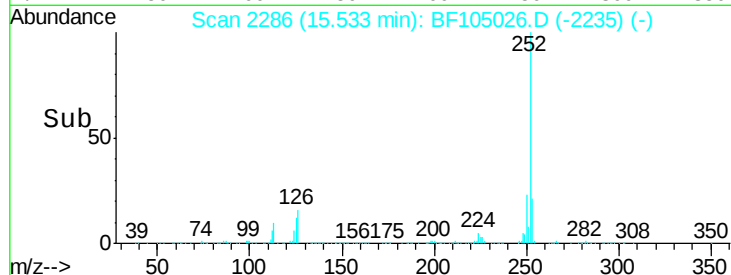
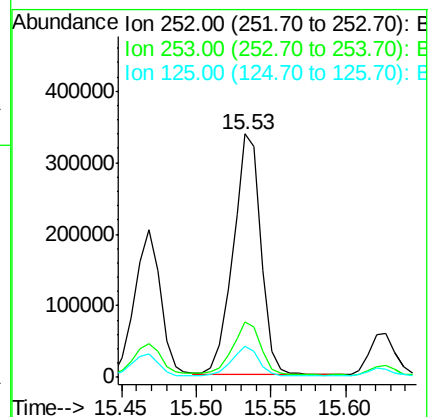
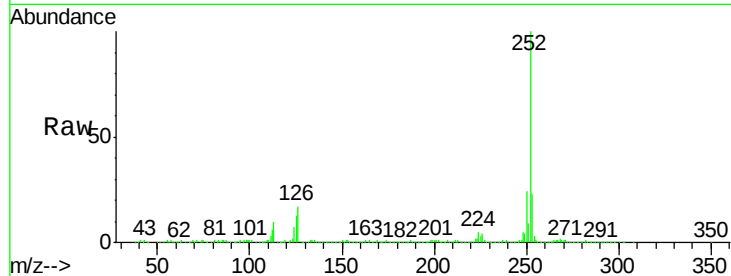
Tgt Ion:252 Resp: 440111

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 12.8 9.8 14.6



#90

Dibenzo(a,h)anthracene

Concen: 5.473 ng

RT: 17.08 min Scan# 2549

Delta R.T. -0.02 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

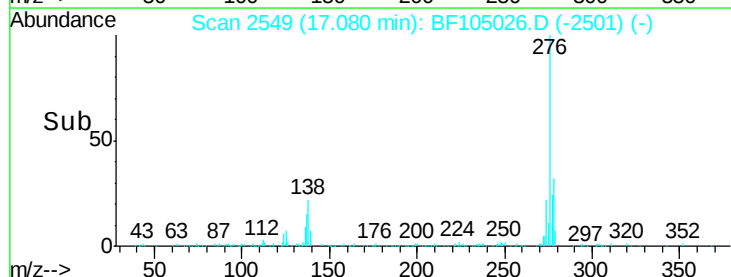
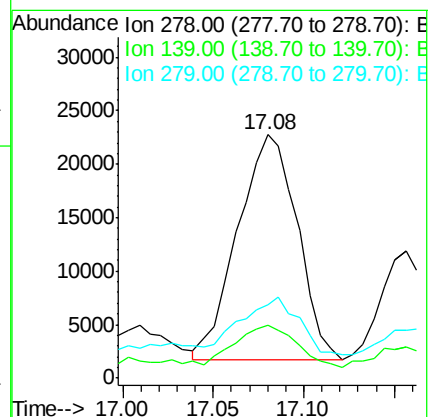
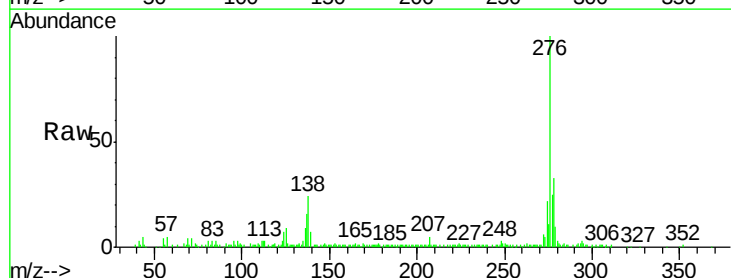
Tgt Ion:278 Resp: 47988

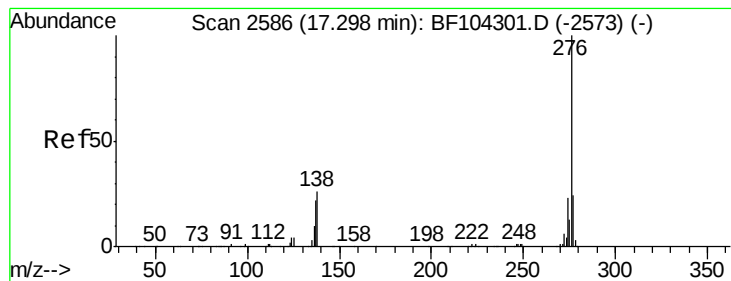
Ion Ratio Lower Upper

278 100

139 21.9 15.9 23.9

279 30.2 19.0 28.4#





#91

Benzo(g,h,i)perylene

Concen: 15.120 ng

RT: 17.53 min Scan# 2625

Delta R.T. -0.01 min

Lab File: BF105026.D

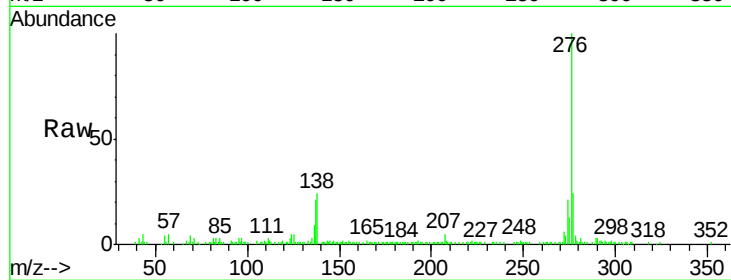
Acq: 2 May 2018 13:10

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-P4-WC



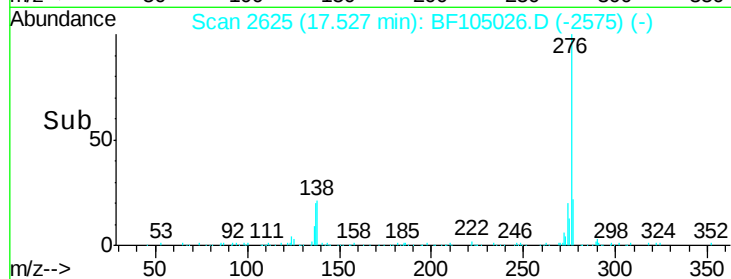
Tgt Ion: 276 Resp: 128435

Ion Ratio Lower Upper

276 100

277 24.4 17.9 26.9

138 24.1 21.8 32.8



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

