

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
 Data File : BF109039.D
 Acq On : 17 Sep 2018 11:09
 Operator : JU/SJ
 Sample : J4773-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-B

Quant Time: Sep 17 11:43:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	136332	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	485503	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	209969	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	370346	20.00	ng	0.00
75) Chrysene-d12	13.85	240	317730	20.00	ng	0.00
86) Perylene-d12	15.26	264	369959	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	820126	99.91	ng	0.00
7) Phenol-d6	6.35	99	1040382	98.29	ng	0.00
23) Nitrobenzene-d5	7.28	82	665449	76.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	222724	97.74	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	1018798	76.02	ng	0.00
78) Terphenyl-d14	12.81	244	867293	64.70	ng	0.00

Target Compounds

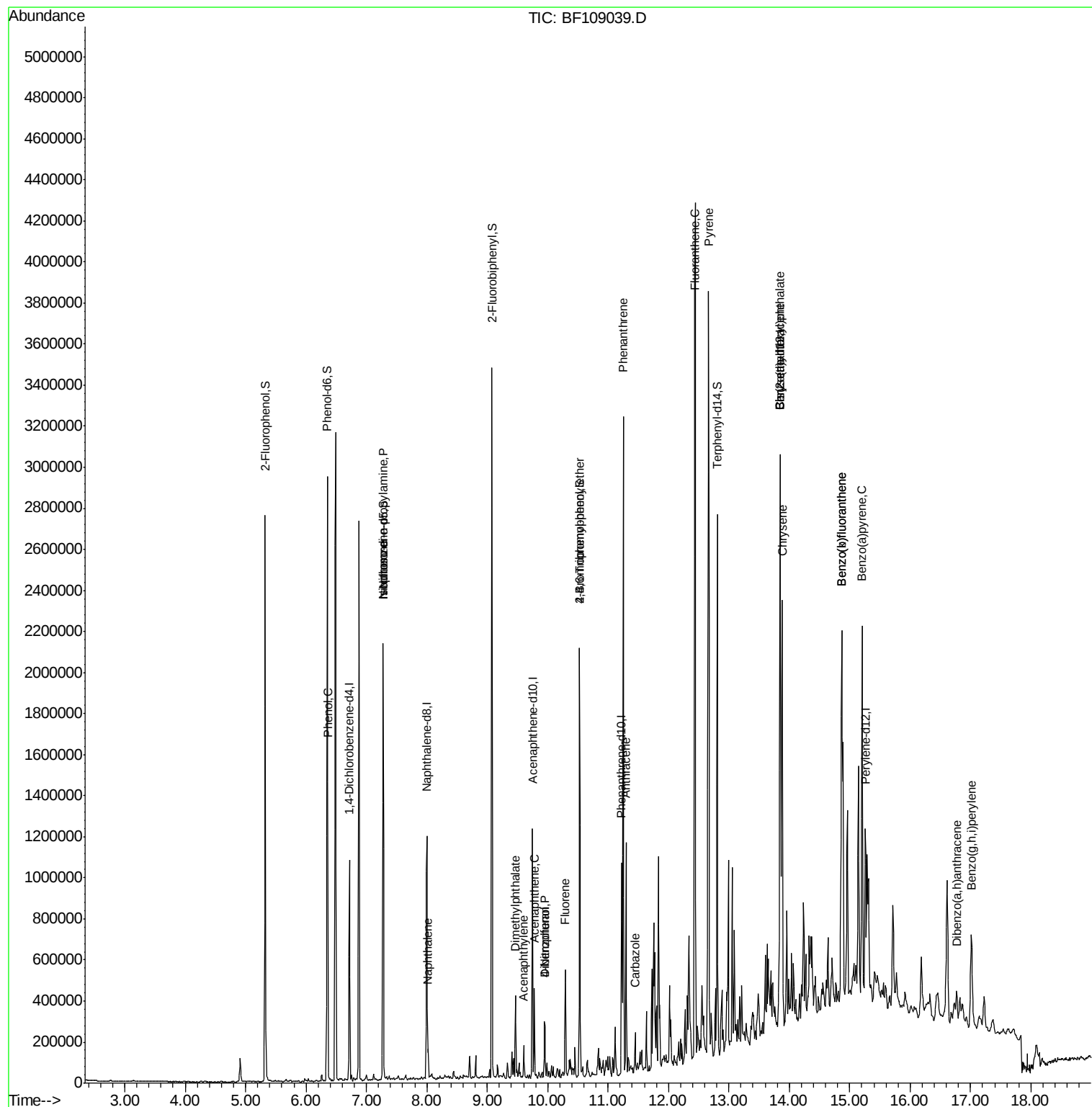
						Qvalue
10) Phenol	6.37	94	34068	2.861	ng	96
19) n-Nitroso-di-n-propylamine	7.28	70	93604	13.379	ng	# 77
25) Isophorone	7.28	82	659368	44.314	ng	# 64
31) Naphthalene	8.02	128	86355	3.832	ng	98
48) Acenaphthylene	9.61	152	52138	2.570	ng	99
49) Dimethylphthalate	9.47	163	126128	8.404	ng	# 99
51) Acenaphthene	9.78	154	81688	6.468	ng	98
54) Dibenzofuran	9.95	168	77961	4.271	ng	96
55) 4-Nitrophenol	9.95	139	29561	10.238	ng	# 11
57) Fluorene	10.29	166	144362	11.869	ng	96
66) 4-Bromophenyl-phenylether	10.53	248	13913	3.332	ng	# 1
70) Phenanthrene	11.25	178	1165514	64.200	ng	98
71) Anthracene	11.30	178	396200	21.529	ng	98
72) Carbazole	11.45	167	72725	3.992	ng	100
74) Fluoranthene	12.44	202	1846176	96.327	ng	97
77) Pyrene	12.67	202	1663569	70.489	ng	98
80) Benzo(a)anthracene	13.85	228	970848	50.469	ng	97
82) Chrysene	13.88	228	830668	43.160	ng	97
83) Bis(2-ethylhexyl)phthalate	13.85	149	30336	2.377	ng	100
87) Benzo(b)fluoranthene	14.87	252	1504857	73.526	ng	97
88) Benzo(k)fluoranthene	14.87	252	1504857	78.721	ng	98
89) Benzo(a)pyrene	15.21	252	827450	45.524	ng	99
90) Dibenzo(a,h)anthracene	16.77	278	101101	6.621	ng	95
91) Benzo(g,h,i)perylene	17.02	276	385773	25.268	ng	94

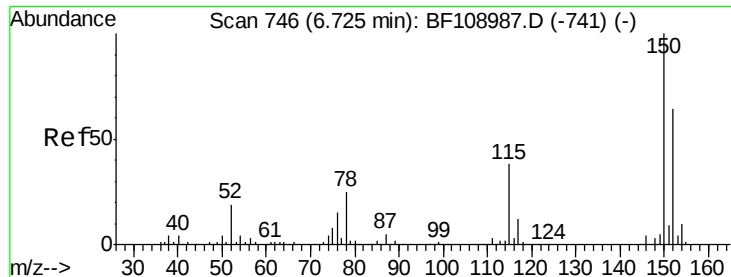
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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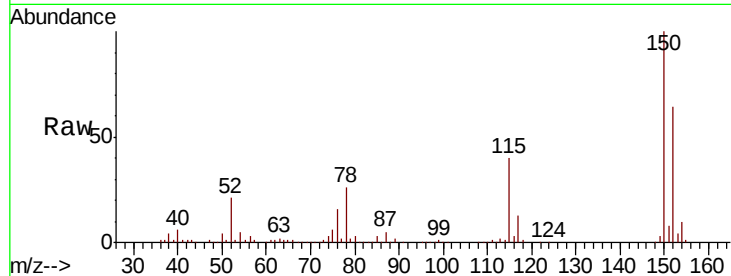


#1

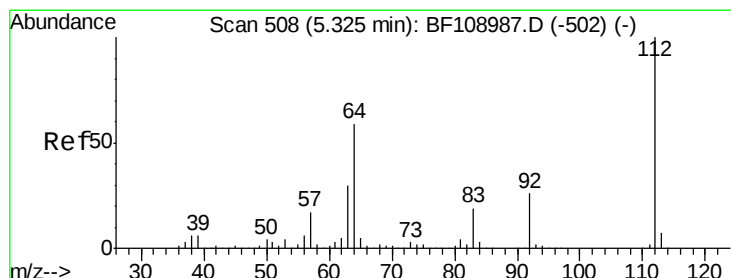
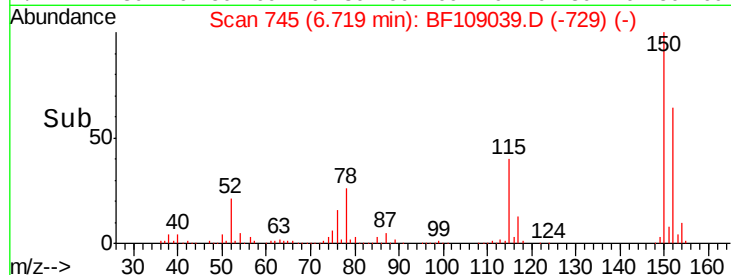
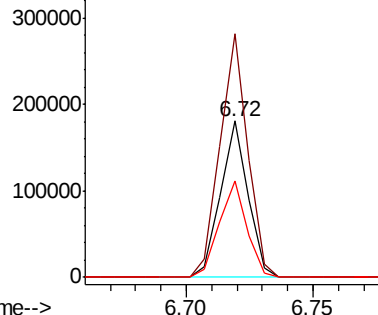
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF109039.D
 Acq: 17 Sep 2018 11:09

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-B

Tot Ion:152 Resp: 136332
 Ion Ratio Lower Upper
 152 100
 150 155.6 124.6 186.8
 115 61.7 50.1 75.1



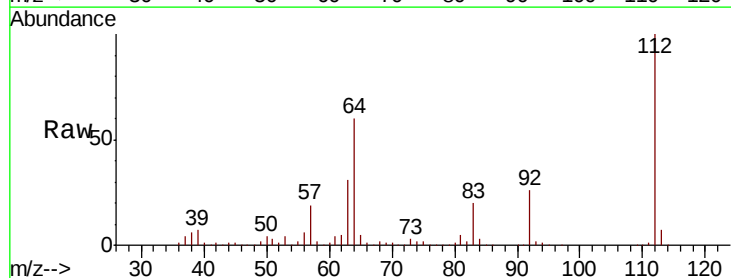
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



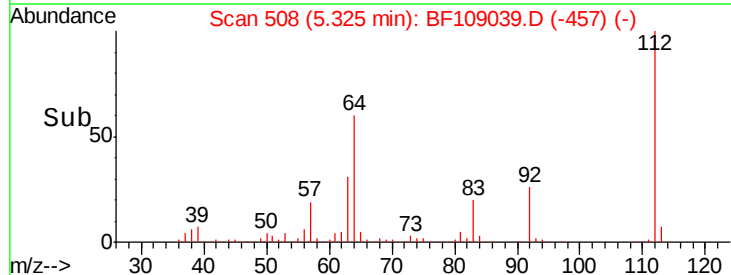
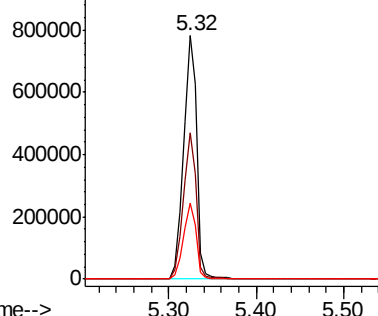
#5

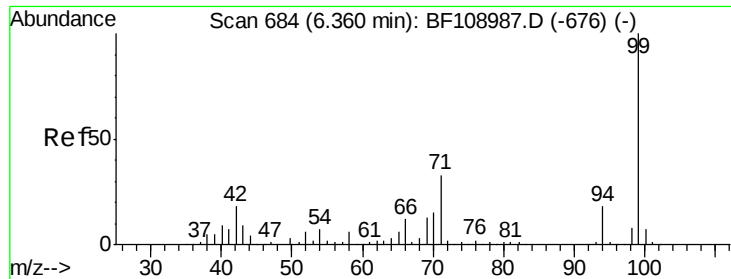
2-Fluorophenol
 Concen: 99.913 ng
 RT: 5.32 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: BF109039.D
 Acq: 17 Sep 2018 11:09

Tgt Ion:112 Resp: 820126
 Ion Ratio Lower Upper
 112 100
 64 60.0 47.9 71.9
 63 31.4 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: 98.294 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF109039.D

Acq: 17 Sep 2018 11:09

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-B

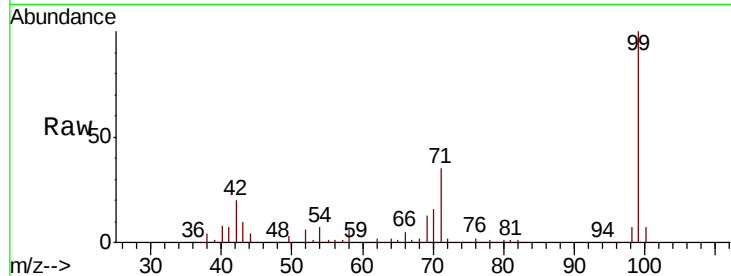
Tot Ion: 99 Resp: 1040382

Ion Ratio Lower Upper

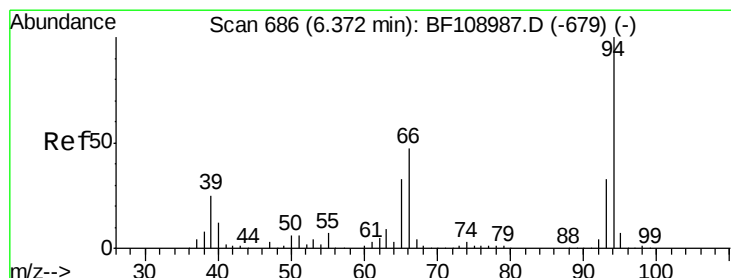
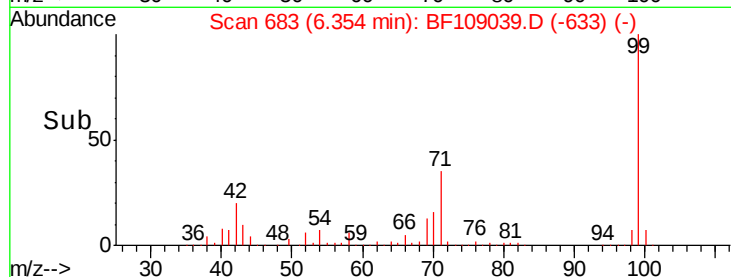
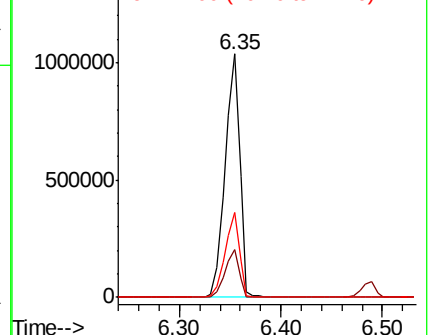
99 100

42 19.7 14.5 21.7

71 35.0 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



#10

Phenol

Concen: 2.861 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF109039.D

Acq: 17 Sep 2018 11:09

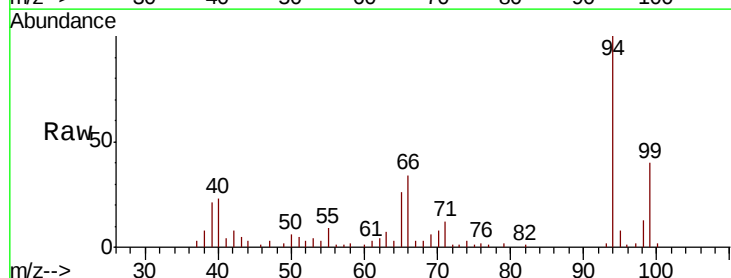
Tgt Ion: 94 Resp: 34068

Ion Ratio Lower Upper

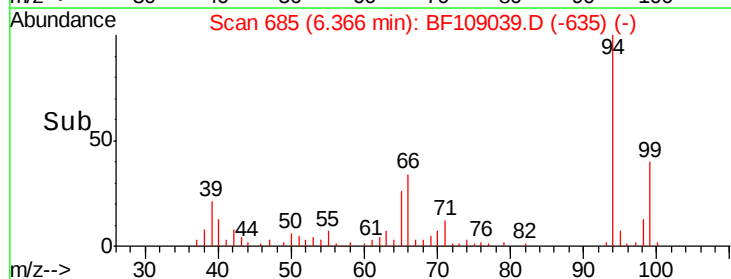
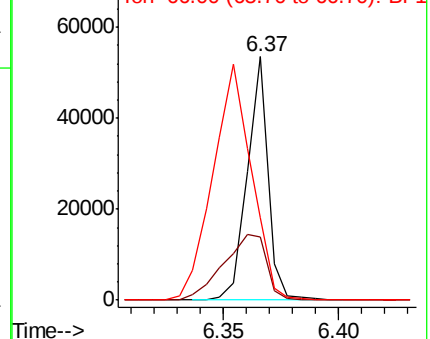
94 100

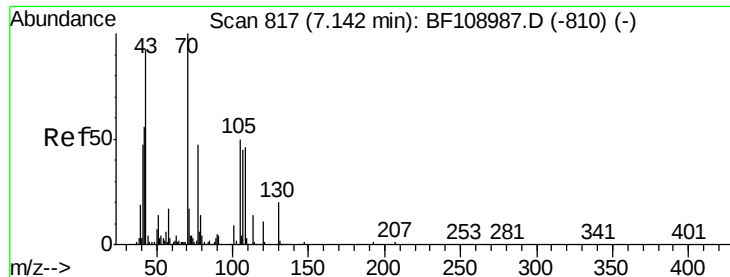
65 25.9 7.9 47.9

66 34.0 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

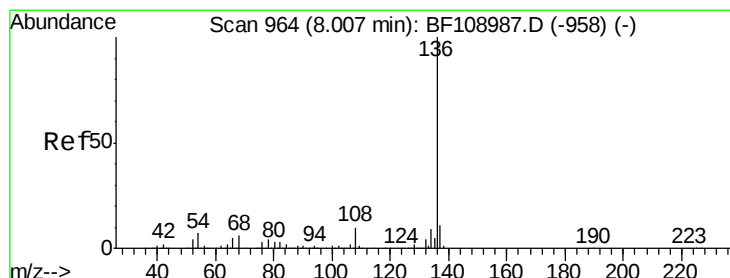
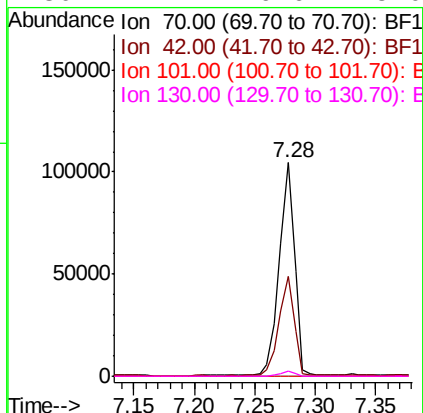
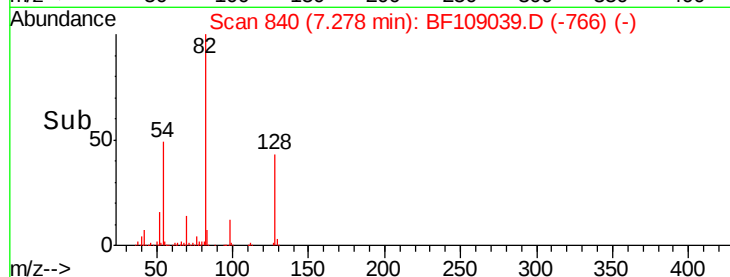
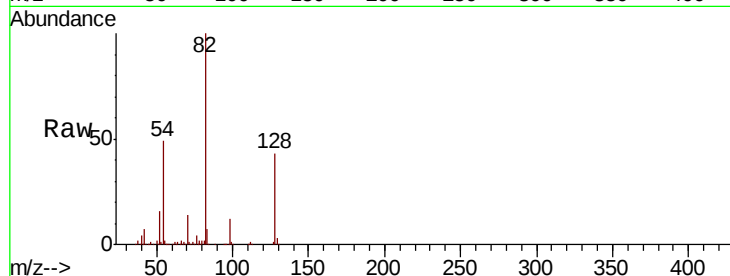




#19
n-Nitroso-di-n-propylamine
Concen: 13.379 ng
RT: 7.28 min Scan# 840
Delta R.T. 0.14 min
Lab File: BF109039.D
Acq: 17 Sep 2018 11:09

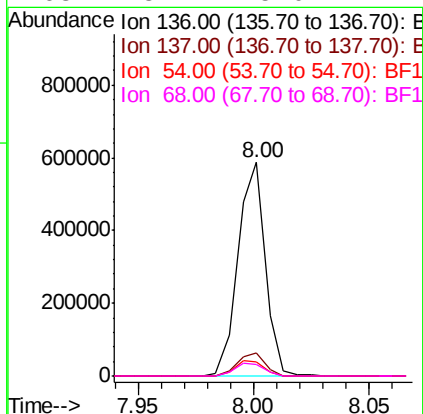
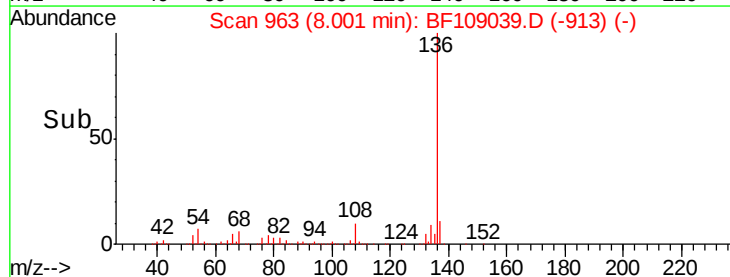
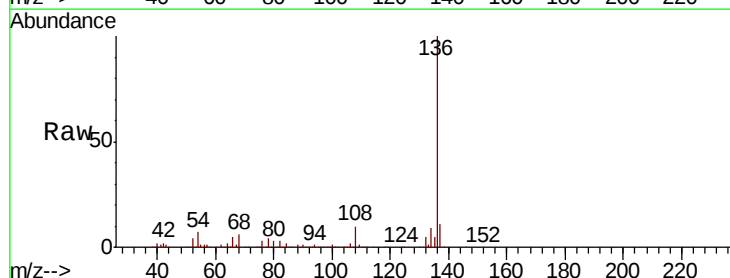
Instrument :
BNA_F
ClientSampleId :
CL-01-091418-B

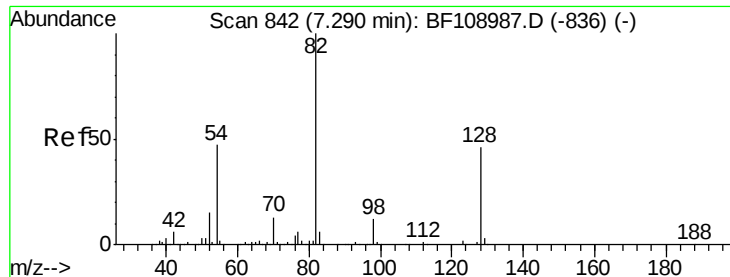
Tot Ion: 70 Resp: 93604
Ion Ratio Lower Upper
70 100
42 47.0 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF109039.D
Acq: 17 Sep 2018 11:09

Tgt Ion: 136 Resp: 485503
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.8 6.6 9.8
68 5.7 5.0 7.4

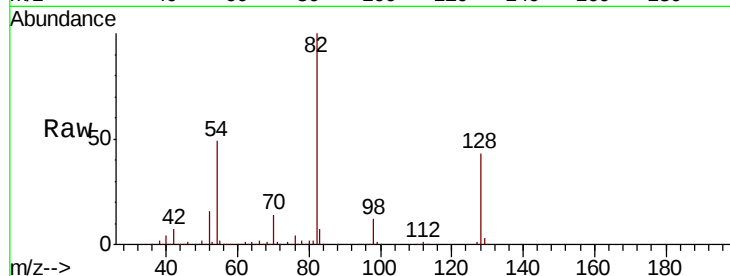




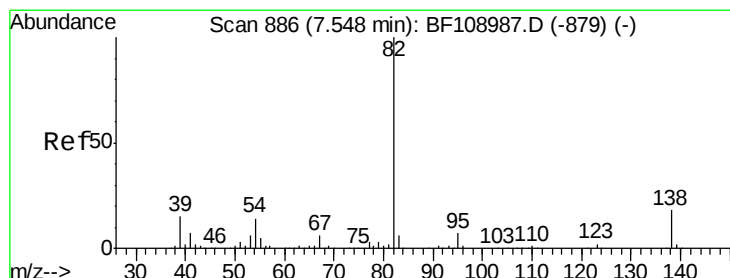
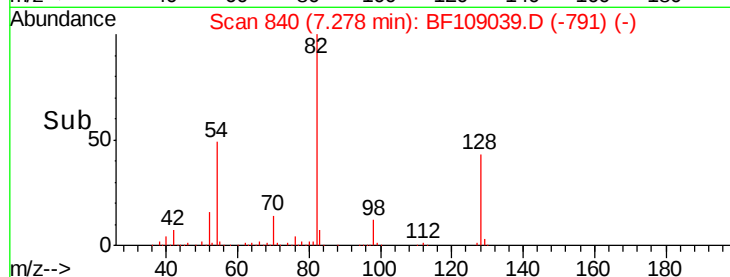
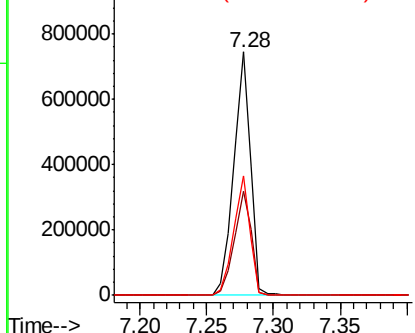
#23
 Nitrobenzene-d5
 Concen: 76.877 ng
 RT: 7.28 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BF109039.D
 Acq: 17 Sep 2018 11:09

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-B

Tot Ion	82	Resp	665449
Ion Ratio	Lower	Upper	
82	100		
128	42.6	36.1	54.1
54	48.8	41.4	62.2

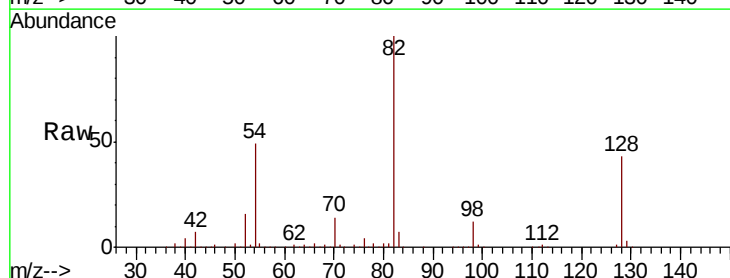


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

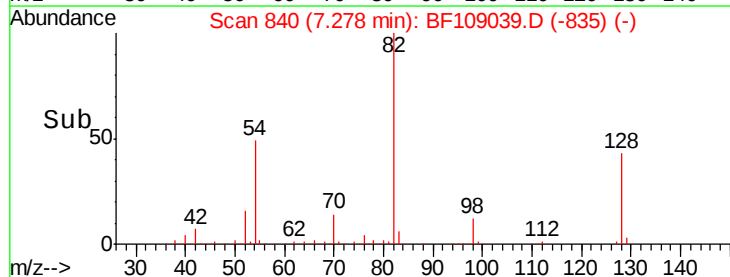
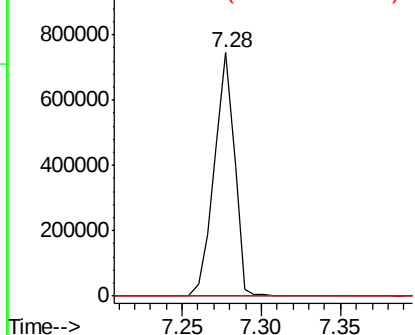


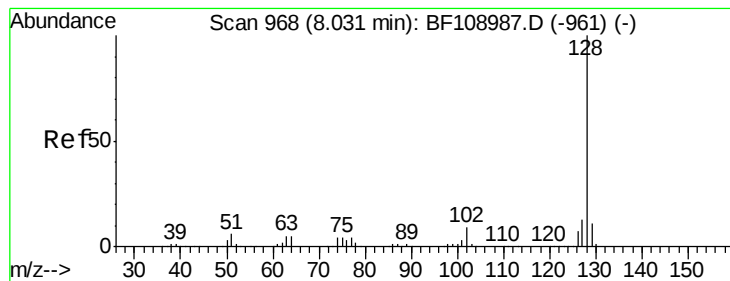
#25
 Isophorone
 Concen: 44.314 ng
 RT: 7.28 min Scan# 840
 Delta R.T. -0.27 min
 Lab File: BF109039.D
 Acq: 17 Sep 2018 11:09

Tgt Ion	82	Resp	659368
Ion Ratio	Lower	Upper	
82	100		
95	0.1	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: 3.832 ng

RT: 8.02 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF109039.D

Acq: 17 Sep 2018 11:09

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-B

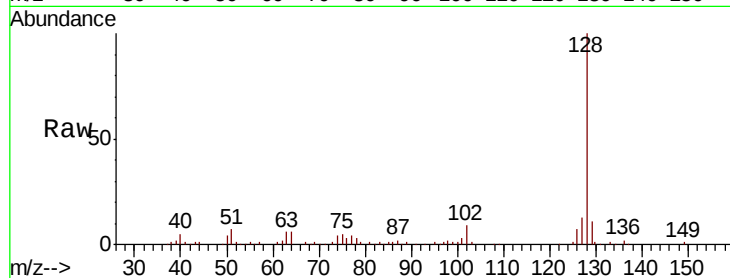
Tot Ion:128 Resp: 86355

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

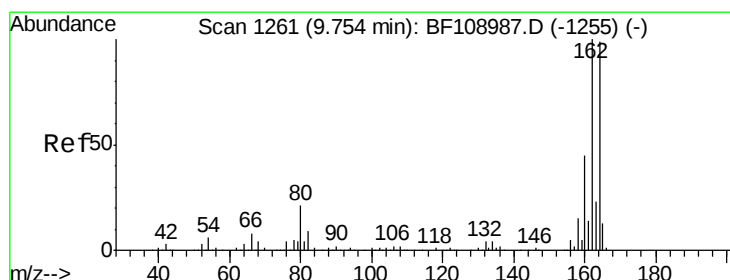
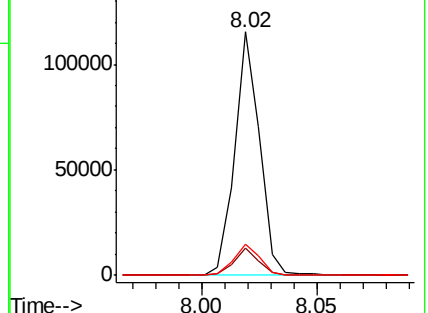
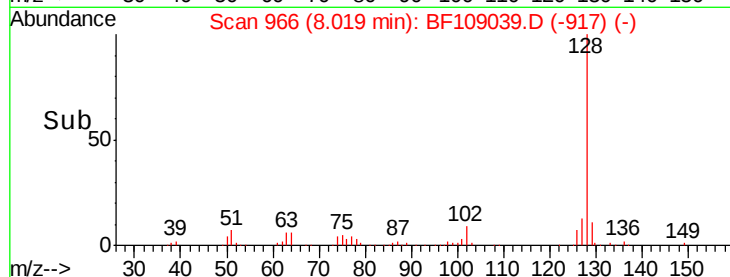
127 12.9 10.9 16.3



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF109039.D

Acq: 17 Sep 2018 11:09

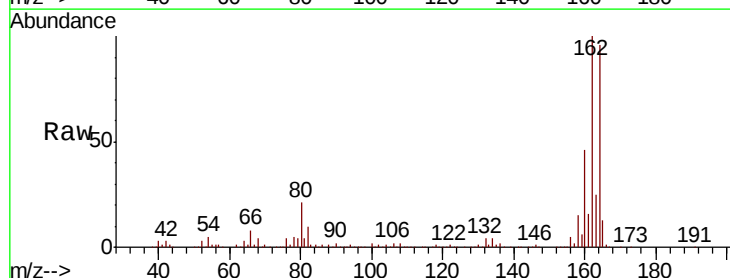
Tgt Ion:164 Resp: 209969

Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

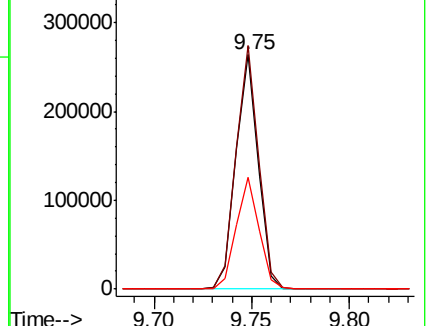
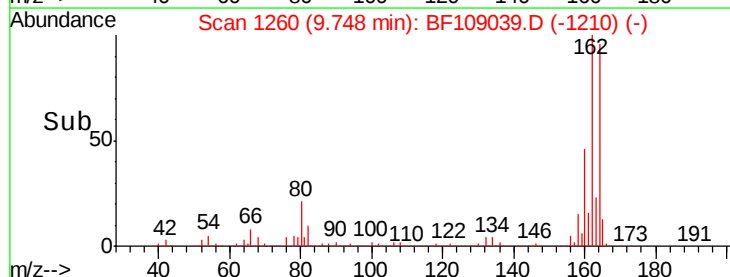
160 47.9 38.3 57.5

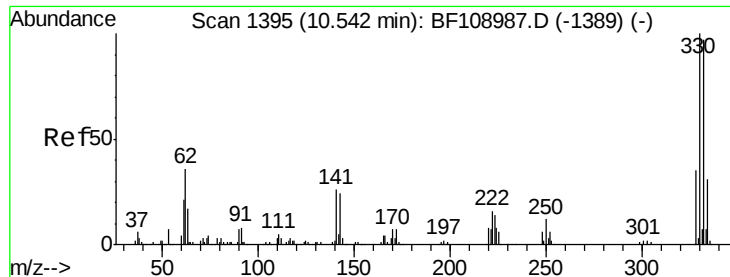


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

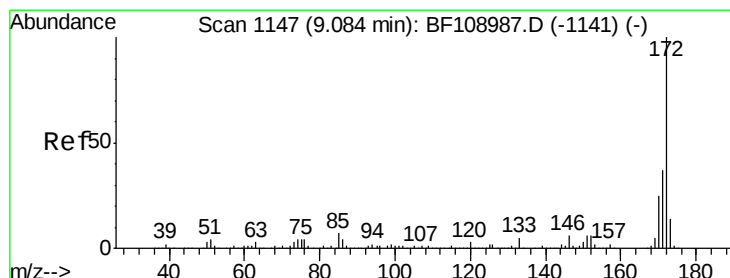
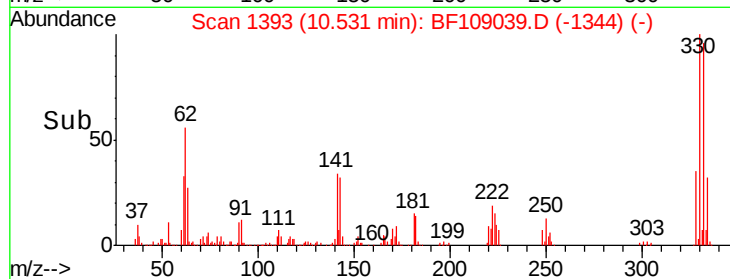
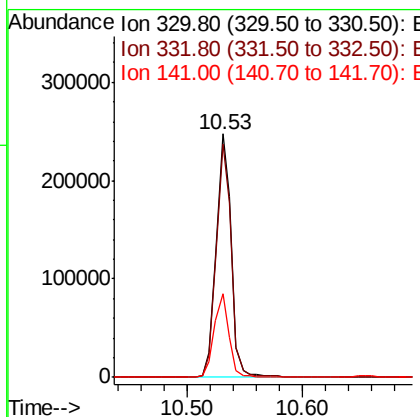
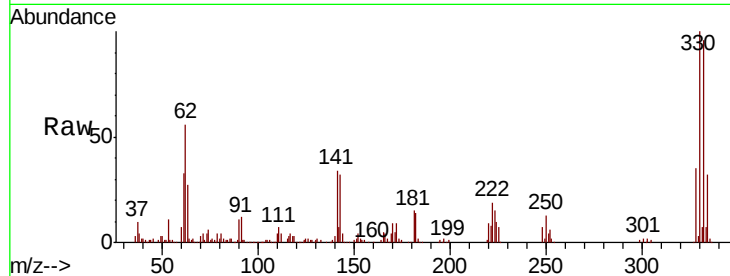




#41
 2,4,6-Tribromophenol
 Concen: 97.741 ng
 RT: 10.53 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF109039.D
 Acq: 17 Sep 2018 11:09

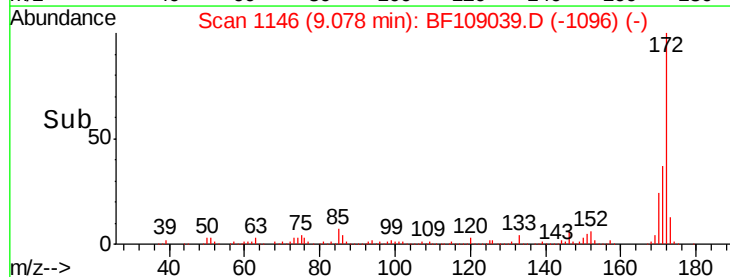
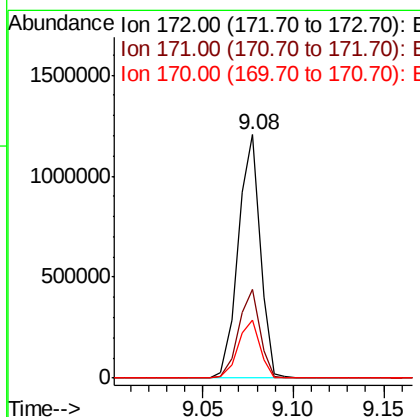
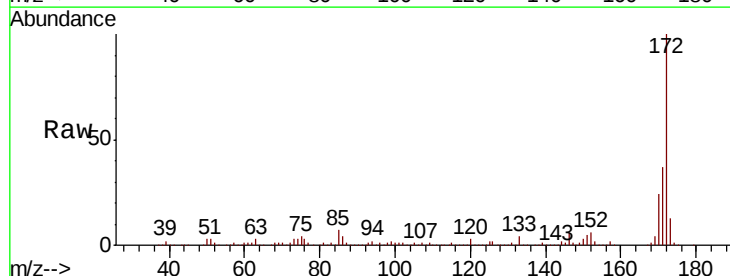
Instrument :
 BNA_F
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 CL-01-091418-B

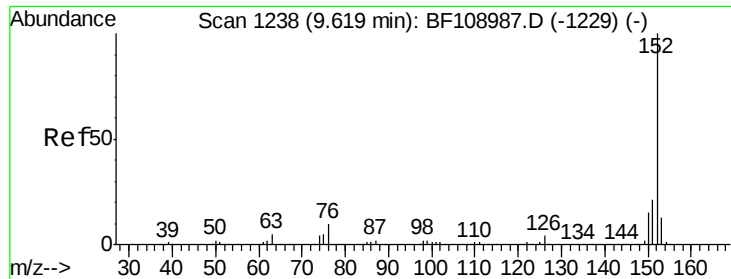
Tot Ion:330 Resp: 222724
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 34.8 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 76.020 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109039.D
 Acq: 17 Sep 2018 11:09

Tgt Ion:172 Resp: 1018798
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.0 19.6 29.4





#48

Acenaphthylene

Concen: 2.570 ng

RT: 9.61 min Scan# 1236

Delta R.T. -0.01 min

Lab File: BF109039.D

Acq: 17 Sep 2018 11:09

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-B

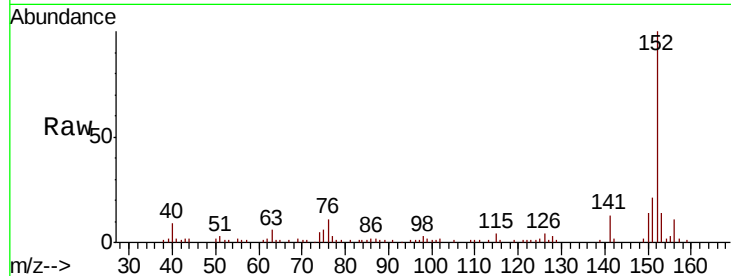
Tot Ion:152 Resp: 52138

Ion Ratio Lower Upper

152 100

151 20.7 16.3 24.5

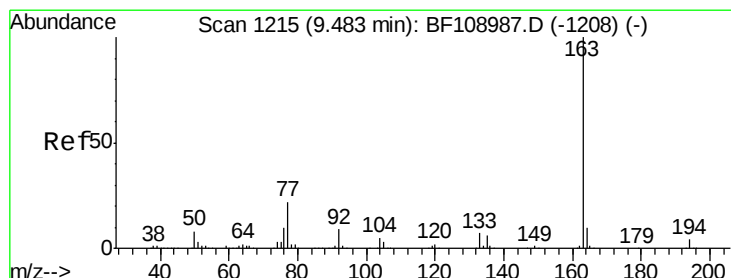
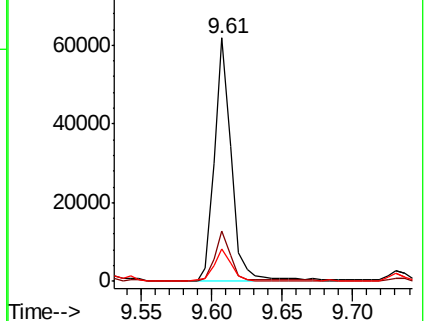
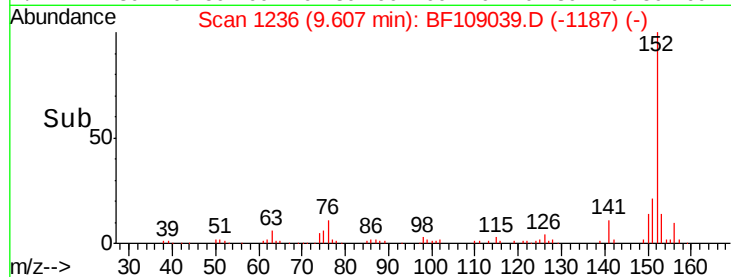
153 13.5 10.7 16.1



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: 8.404 ng

RT: 9.47 min Scan# 1212

Delta R.T. -0.02 min

Lab File: BF109039.D

Acq: 17 Sep 2018 11:09

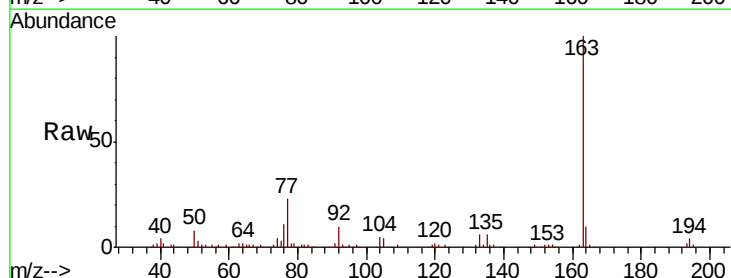
Tgt Ion:163 Resp: 126128

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

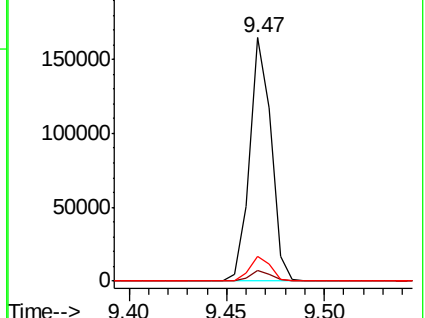
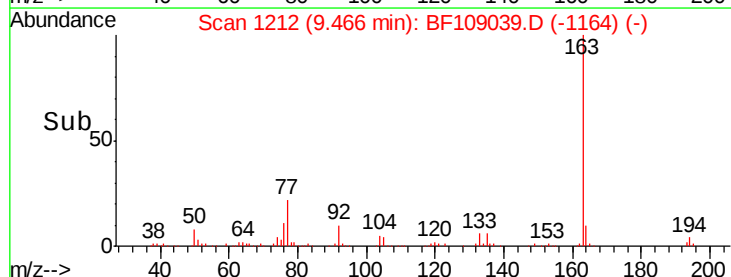
164 10.2 8.2 12.2

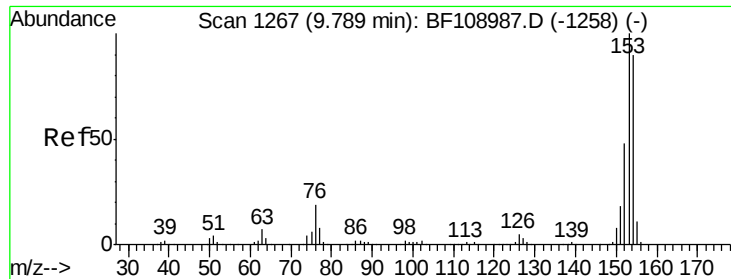


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 6.468 ng

RT: 9.78 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BF109039.D

Acq: 17 Sep 2018 11:09

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-B

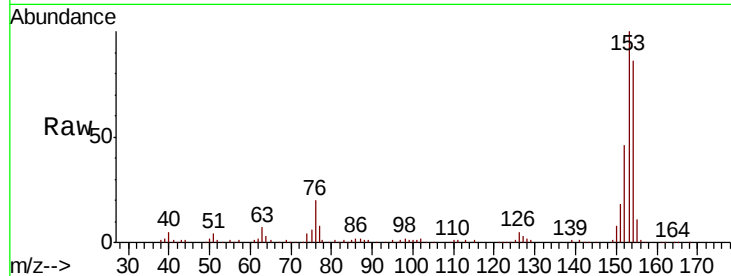
Tot Ion:154 Resp: 81688

Ion Ratio Lower Upper

154 100

153 116.0 91.2 136.8

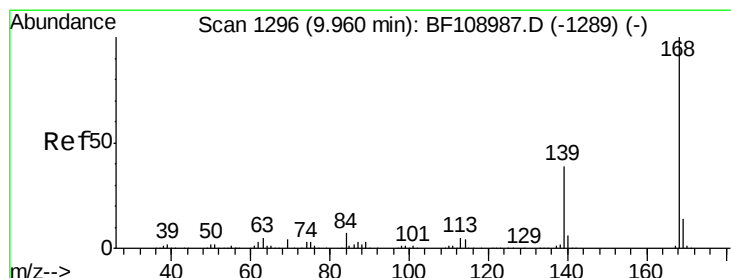
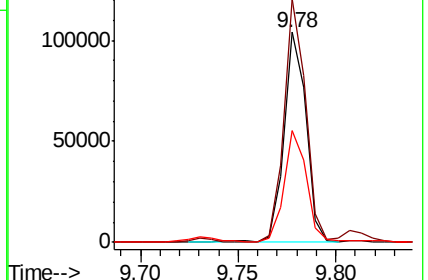
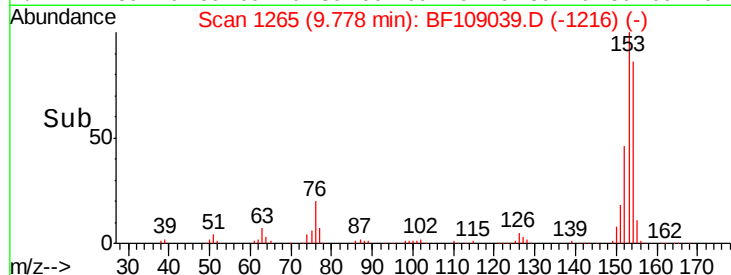
152 53.3 43.8 65.8



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



#54

Dibenzofuran

Concen: 4.271 ng

RT: 9.95 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF109039.D

Acq: 17 Sep 2018 11:09

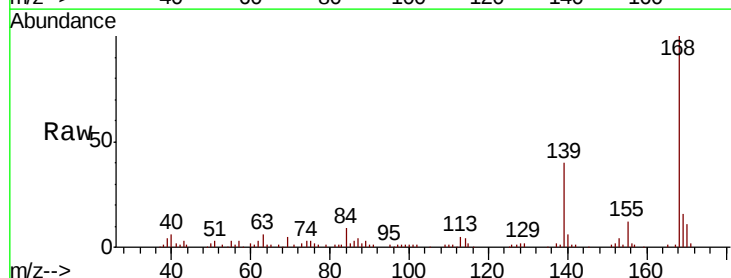
Tgt Ion:168 Resp: 77961

Ion Ratio Lower Upper

168 100

139 39.5 30.1 45.1

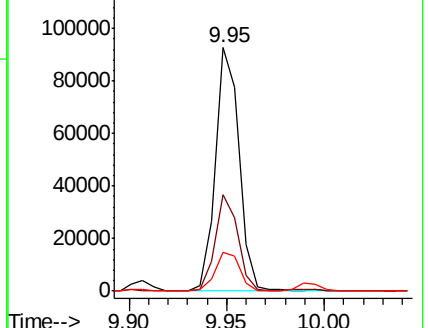
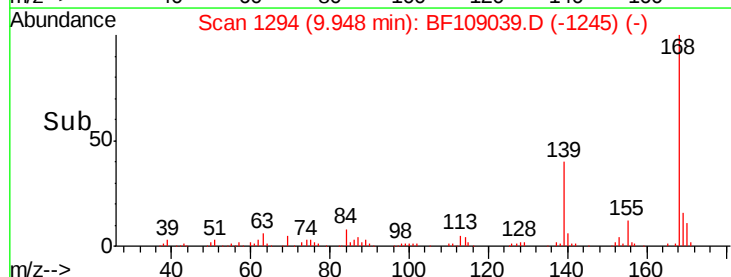
169 16.0 10.9 16.3

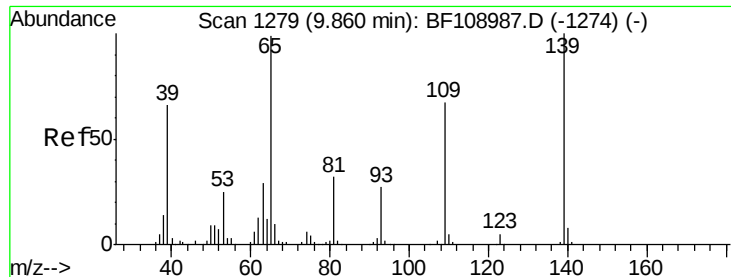


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

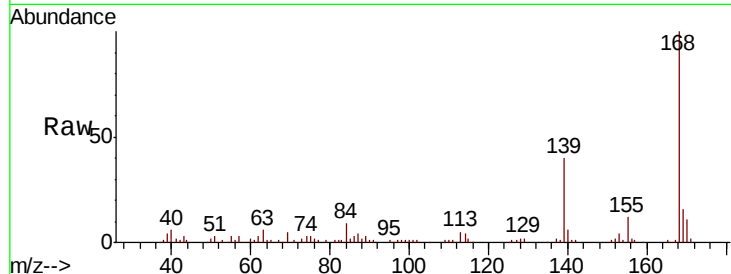




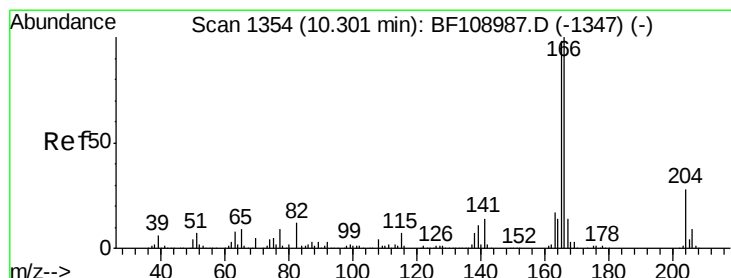
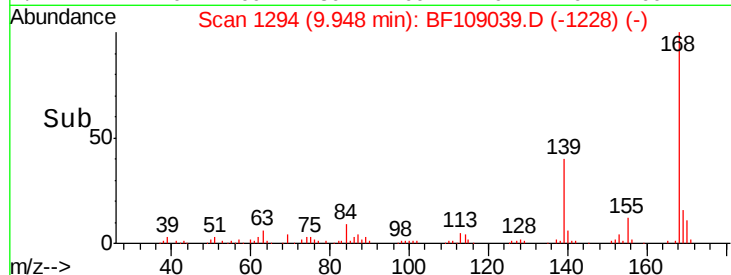
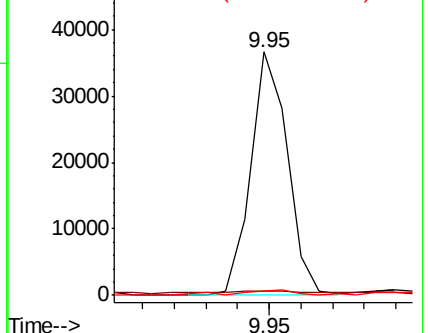
#55
4-Nitrophenol
Concen: 10.238 ng
RT: 9.95 min Scan# 1294
Delta R.T. 0.09 min
Lab File: BF109039.D
Acq: 17 Sep 2018 11:09

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-B

Tot Ion	Ratio	Lower	Upper
139	100		
109	2.0	48.4	88.4#
65	2.0	72.6	112.6#

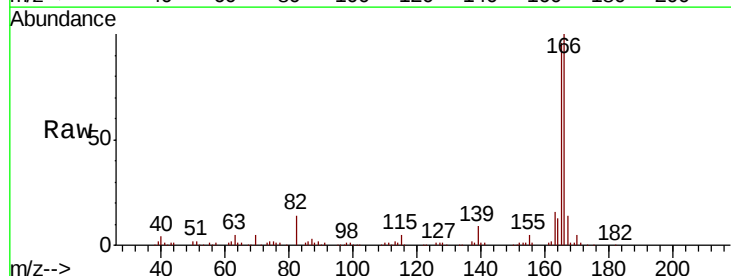


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

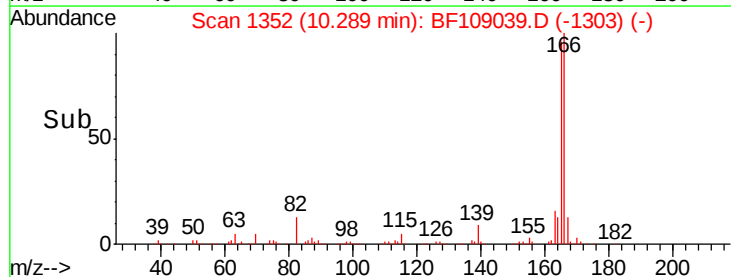
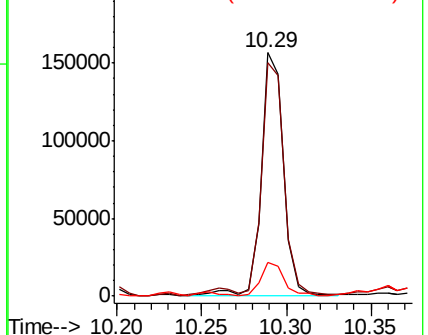


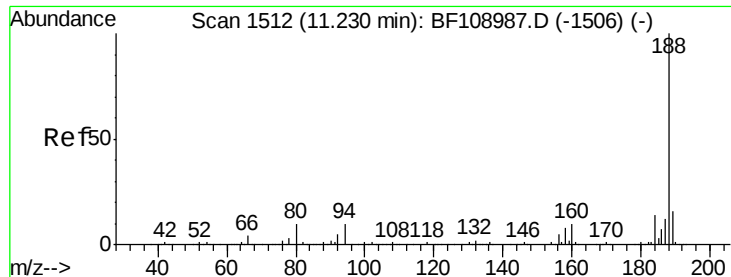
#57
Fluorene
Concen: 11.869 ng
RT: 10.29 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF109039.D
Acq: 17 Sep 2018 11:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.9	79.8	119.8
167	13.6	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BF109039.D

Acq: 17 Sep 2018 11:09

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-B

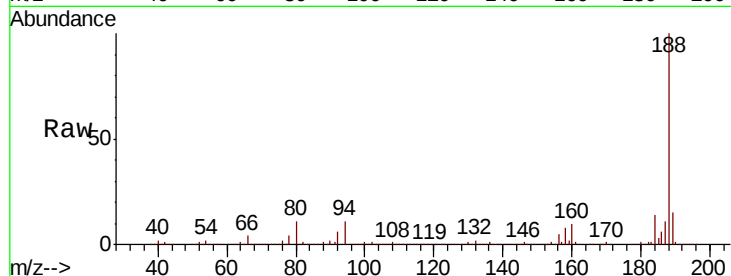
Tot Ion:188 Resp: 370346

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

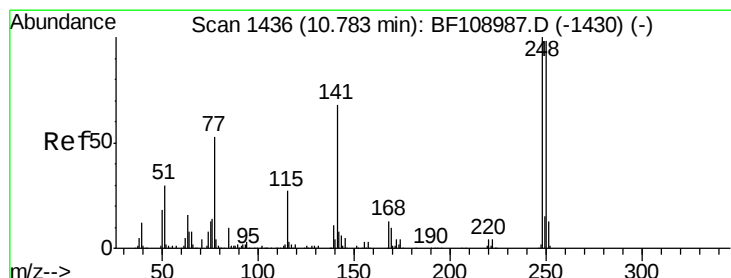
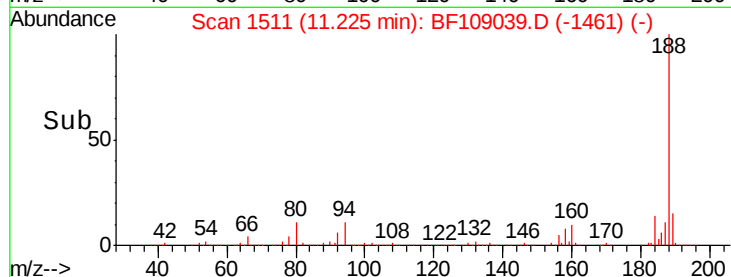
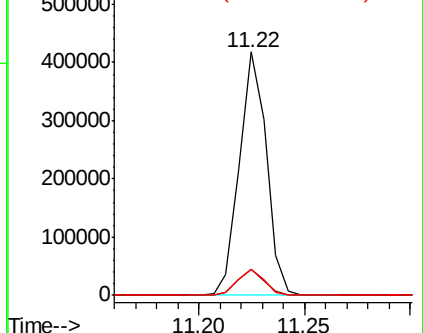
80 10.7 9.2 13.8



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: 3.332 ng

RT: 10.53 min Scan# 1393

Delta R.T. -0.25 min

Lab File: BF109039.D

Acq: 17 Sep 2018 11:09

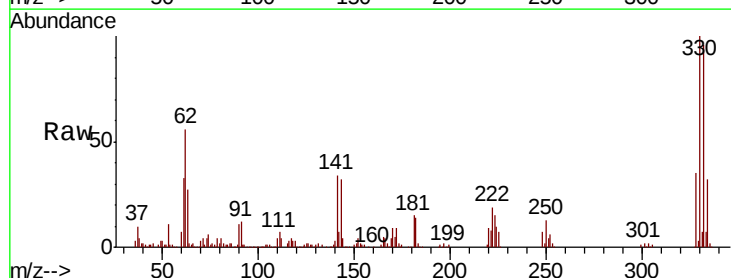
Tgt Ion:248 Resp: 13913

Ion Ratio Lower Upper

248 100

250 194.7 76.9 115.3#

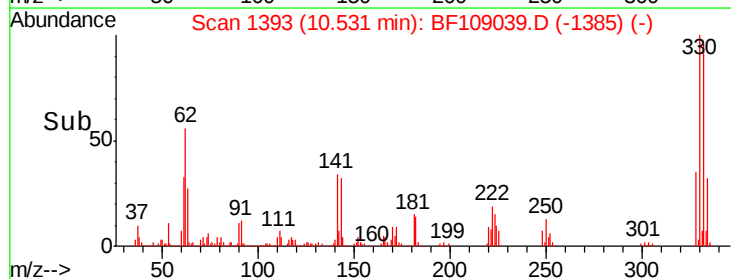
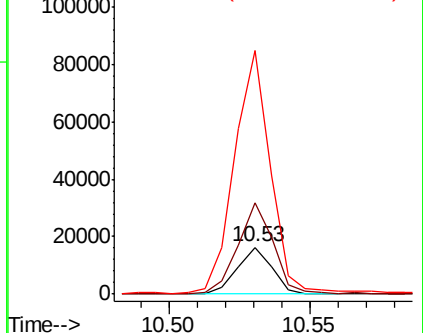
141 522.0 74.4 111.6#

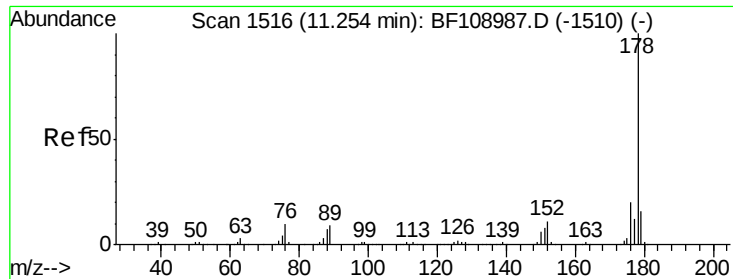


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

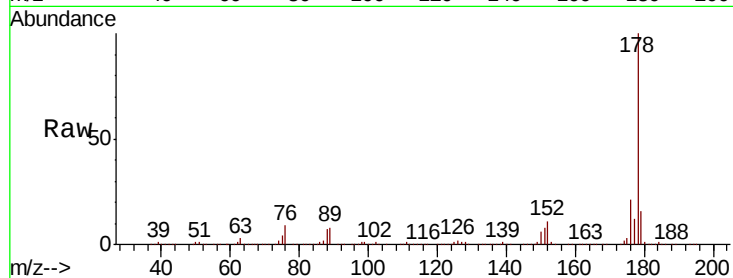




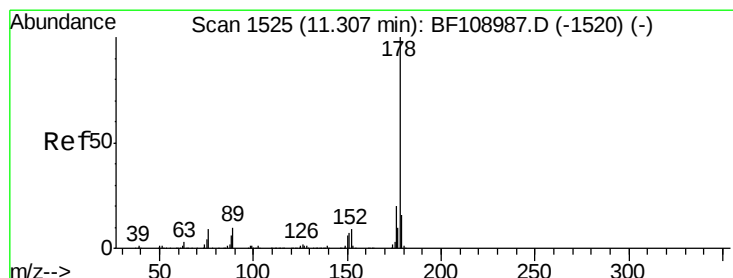
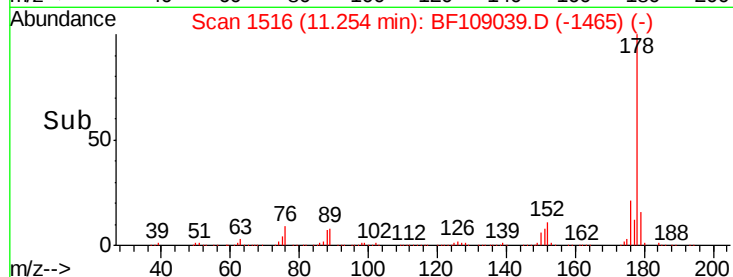
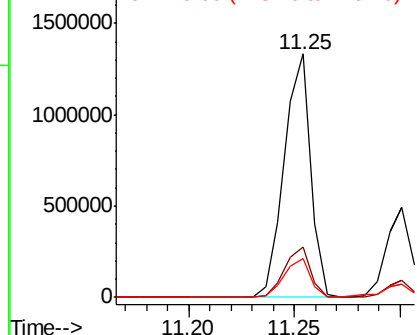
#70
Phenanthrene
Concen: 64.200 ng
RT: 11.25 min Scan# 1516
Delta R.T. 0.00 min
Lab File: BF109039.D
Acq: 17 Sep 2018 11:09

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-B

Tot Ion:178 Resp: 1165514
Ion Ratio Lower Upper
178 100
176 20.7 15.8 23.8
179 15.8 13.0 19.6

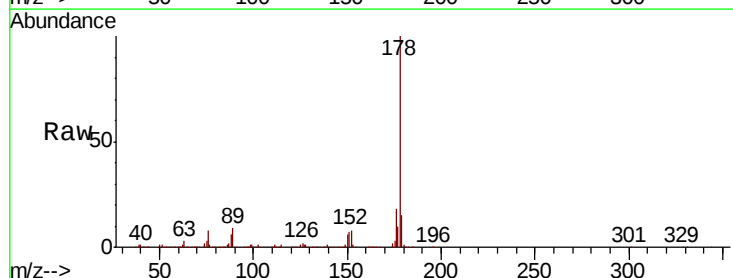


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

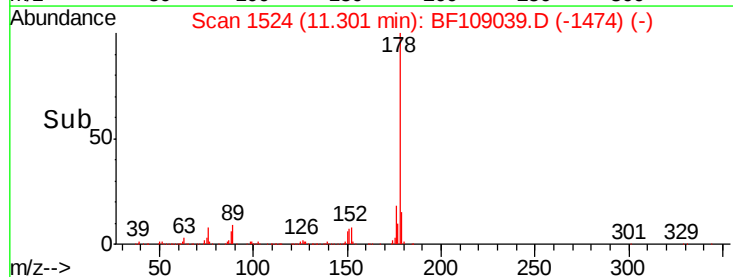
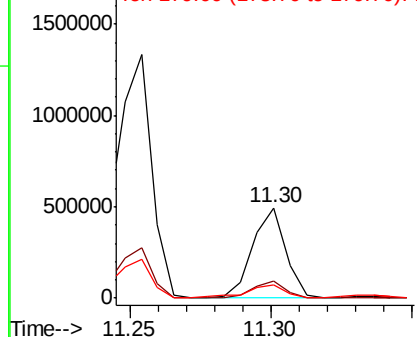


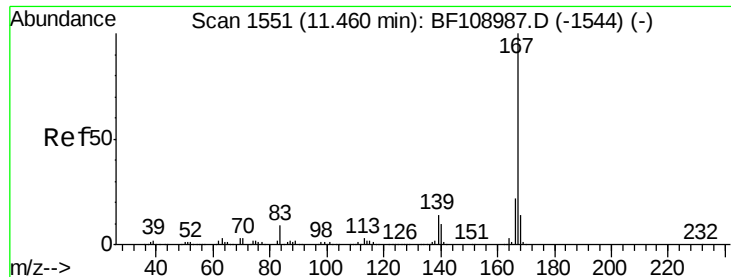
#71
Anthracene
Concen: 21.529 ng
RT: 11.30 min Scan# 1524
Delta R.T. -0.01 min
Lab File: BF109039.D
Acq: 17 Sep 2018 11:09

Tgt Ion:178 Resp: 396200
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 15.3 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





#72

Carbazole

Concen: 3.992 ng

RT: 11.45 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF109039.D

Acq: 17 Sep 2018 11:09

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-B

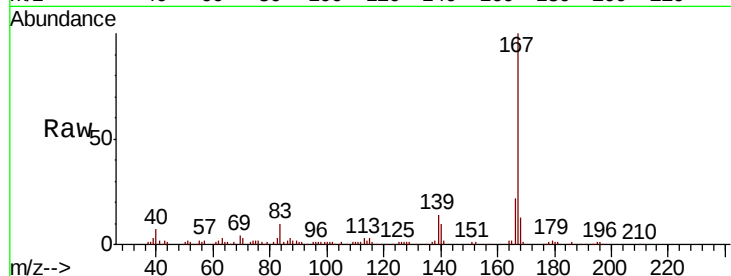
Tot Ion:167 Resp: 72725

Ion Ratio Lower Upper

167 100

166 21.8 17.6 26.4

139 13.7 10.9 16.3

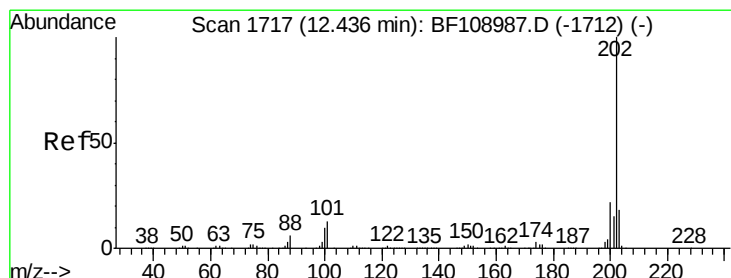
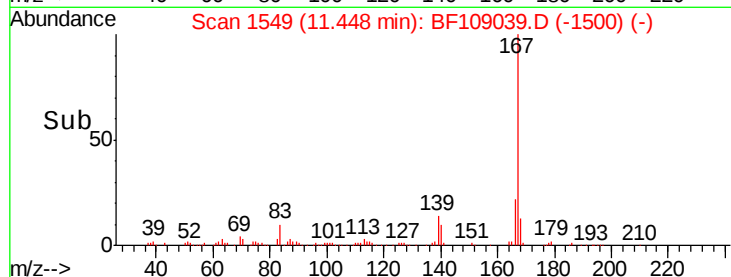
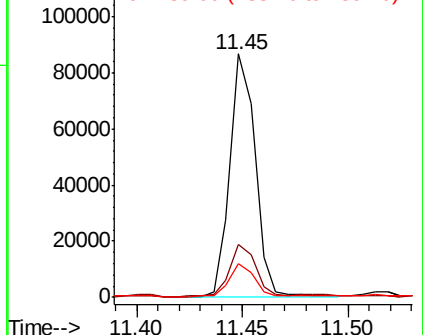


Abundance

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: 96.327 ng

RT: 12.44 min Scan# 1718

Delta R.T. 0.01 min

Lab File: BF109039.D

Acq: 17 Sep 2018 11:09

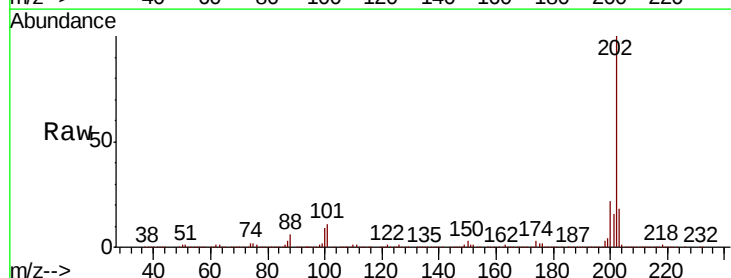
Tgt Ion:202 Resp: 1846176

Ion Ratio Lower Upper

202 100

101 11.4 0.0 34.1

203 18.3 0.0 38.1

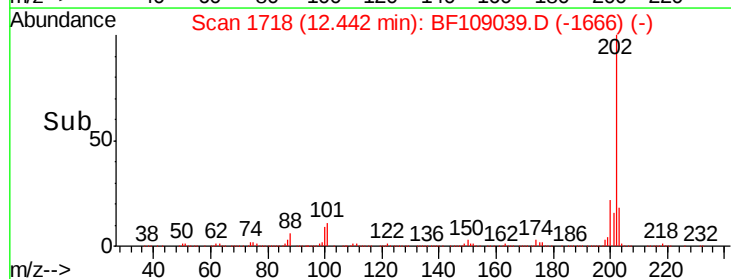
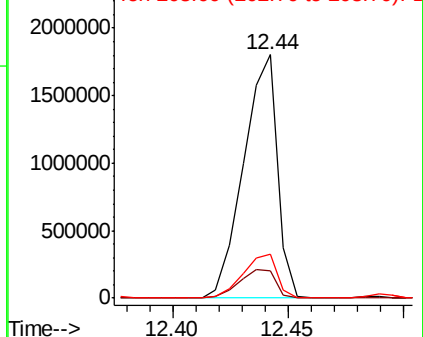


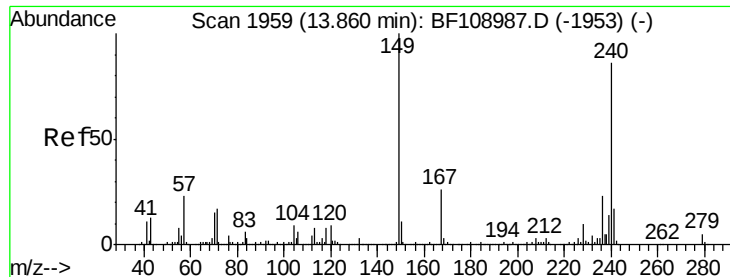
Abundance

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: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF109039.D

Acq: 17 Sep 2018 11:09

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-B

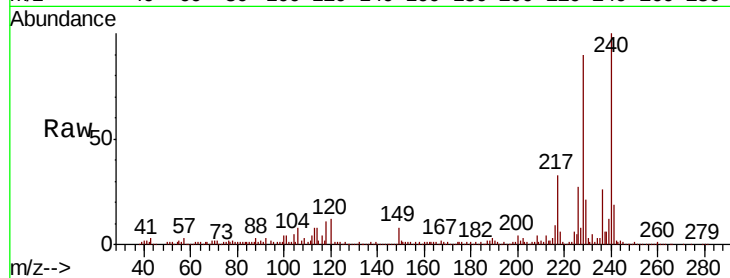
Tot Ion:240 Resp: 317730

Ion Ratio Lower Upper

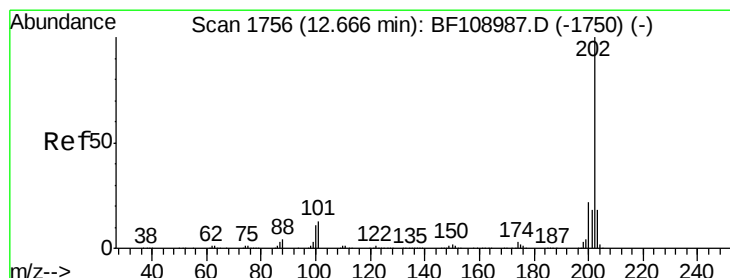
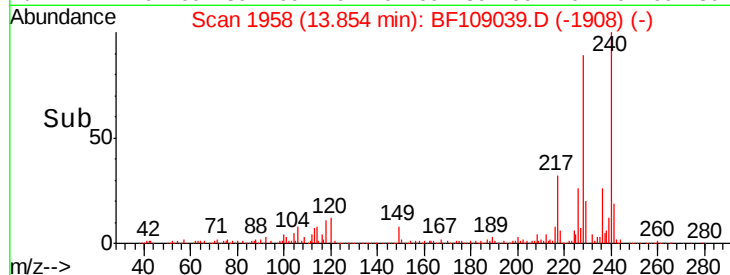
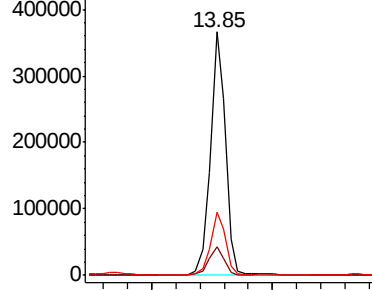
240 100

120 11.9 9.5 14.3

236 25.9 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: 70.489 ng

RT: 12.67 min Scan# 1756

Delta R.T. 0.00 min

Lab File: BF109039.D

Acq: 17 Sep 2018 11:09

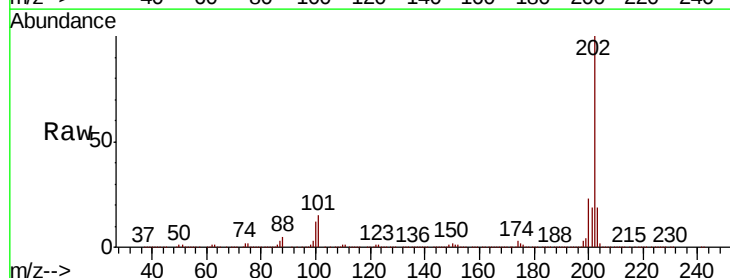
Tgt Ion:202 Resp: 1663569

Ion Ratio Lower Upper

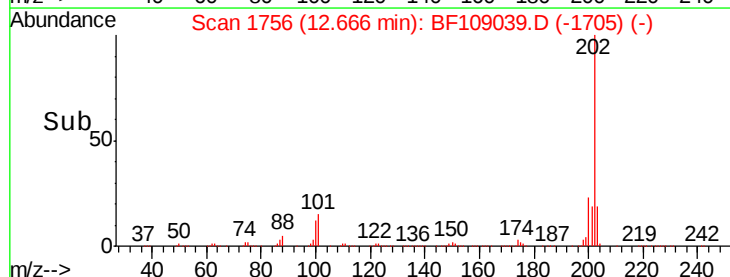
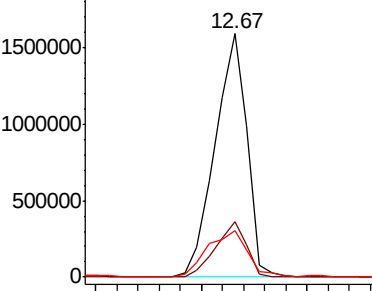
202 100

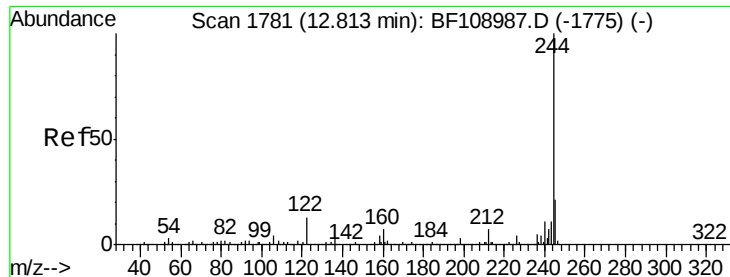
200 23.0 17.4 26.2

203 18.9 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: 64.700 ng

RT: 12.81 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BF109039.D

Acq: 17 Sep 2018 11:09

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-B

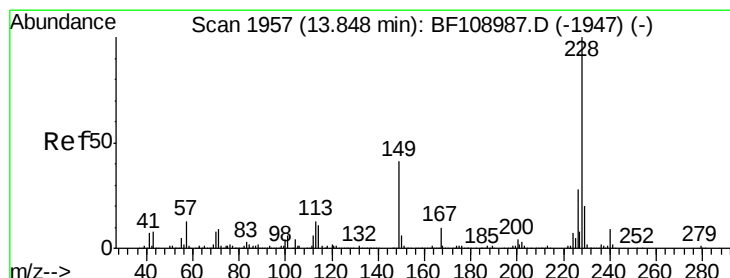
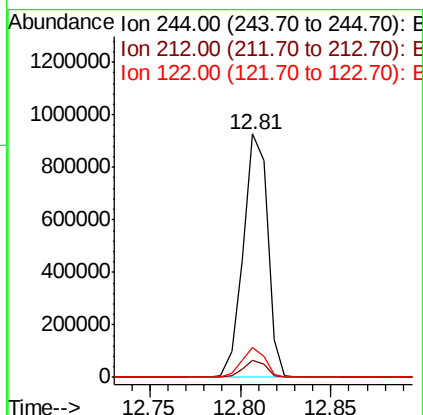
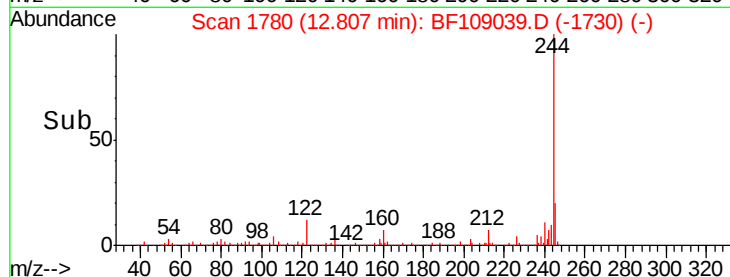
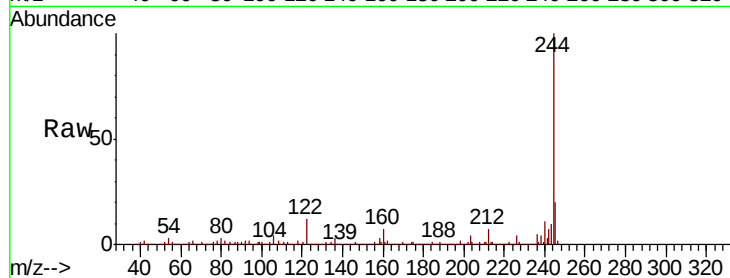
Tot Ion:244 Resp: 867293

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 12.0 11.0 16.4



#80

Benzo(a)anthracene

Concen: 50.469 ng

RT: 13.85 min Scan# 1957

Delta R.T. 0.00 min

Lab File: BF109039.D

Acq: 17 Sep 2018 11:09

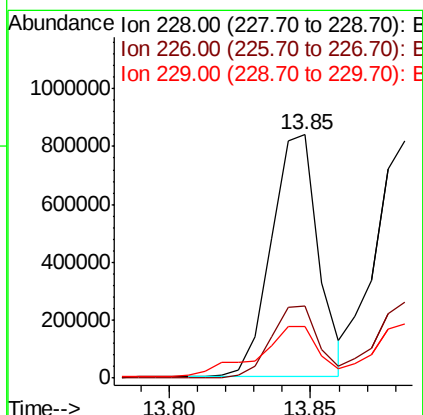
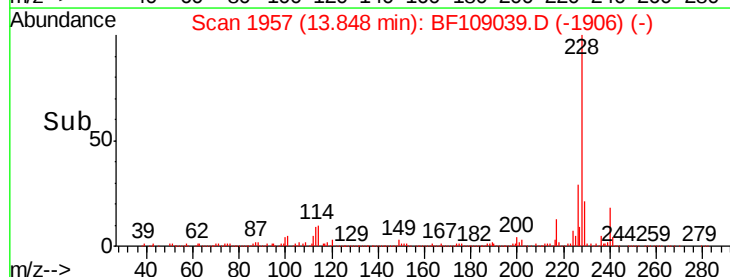
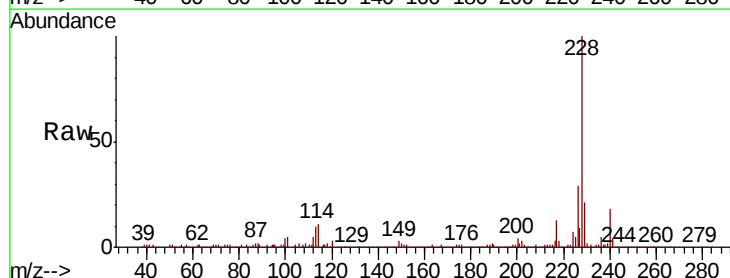
Tgt Ion:228 Resp: 970848

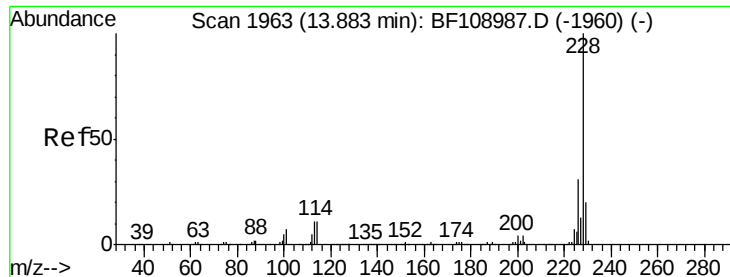
Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

229 21.0 15.8 23.6





#82

Chrysene

Concen: 43.160 ng

RT: 13.88 min Scan# 1963

Delta R.T. 0.00 min

Lab File: BF109039.D

Acq: 17 Sep 2018 11:09

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-B

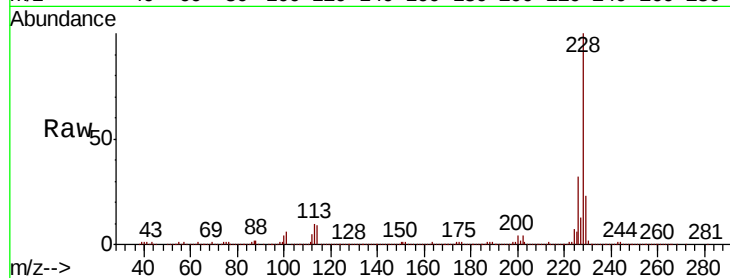
Tot Ion:228 Resp: 830668

Ion Ratio Lower Upper

228 100

226 32.2 25.0 37.6

229 23.0 16.2 24.4

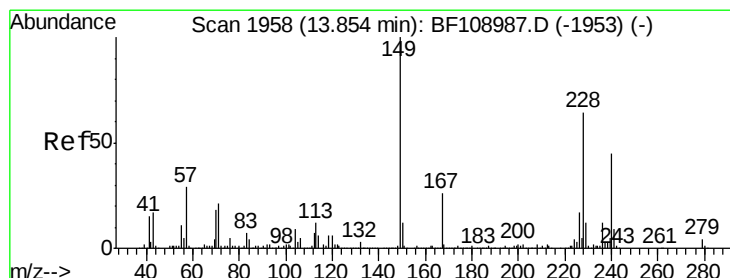
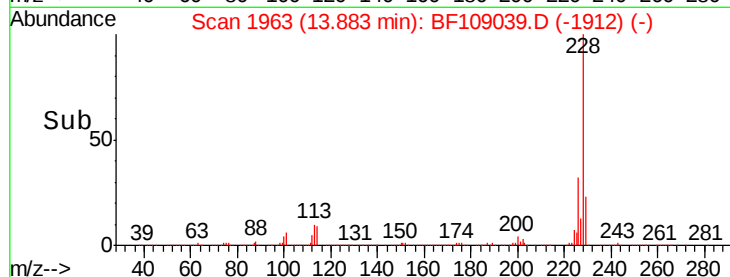
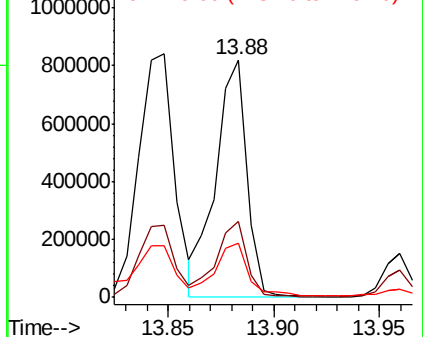


Abundance

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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.377 ng

RT: 13.85 min Scan# 1958

Delta R.T. 0.00 min

Lab File: BF109039.D

Acq: 17 Sep 2018 11:09

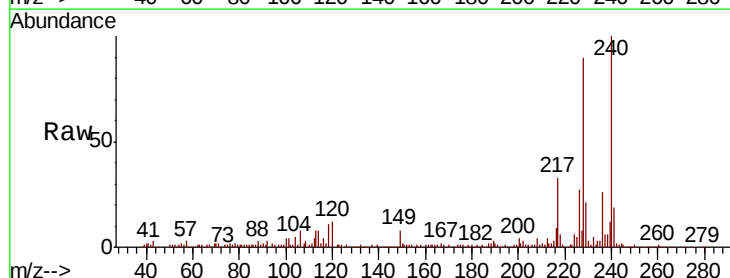
Tgt Ion:149 Resp: 30336

Ion Ratio Lower Upper

149 100

167 26.5 21.3 31.9

279 3.9 3.0 4.4

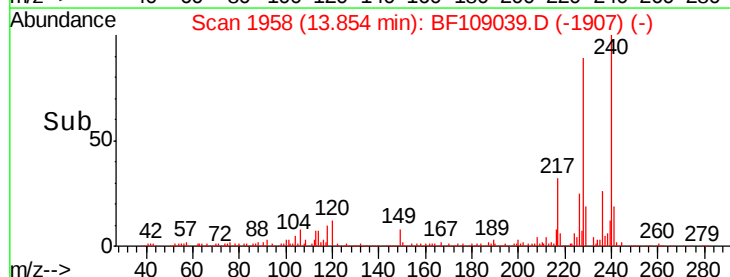
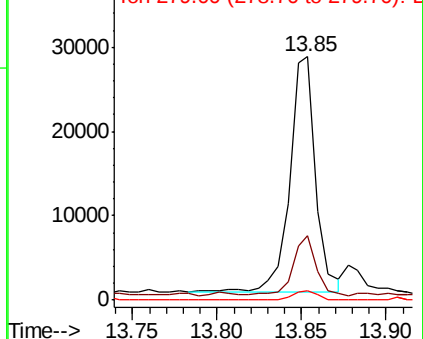


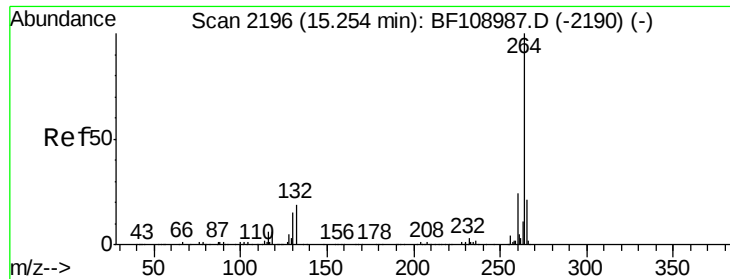
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

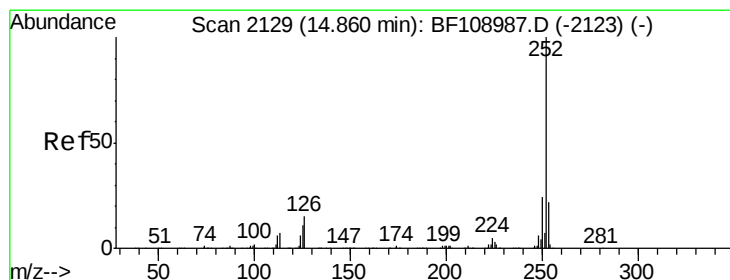
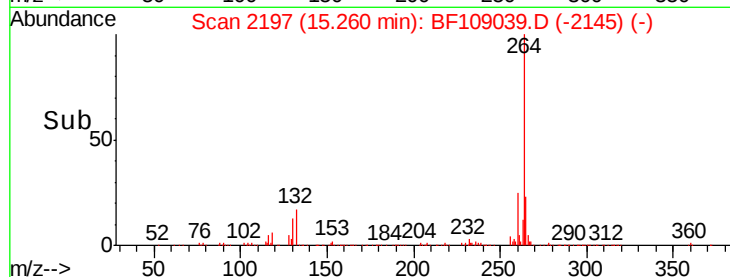
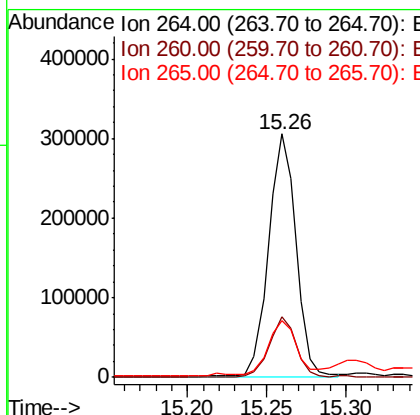
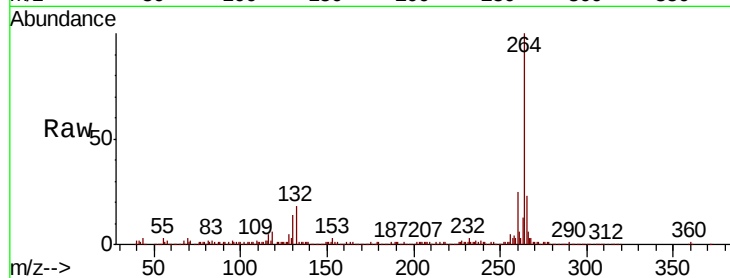




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF109039.D
Acq: 17 Sep 2018 11:09

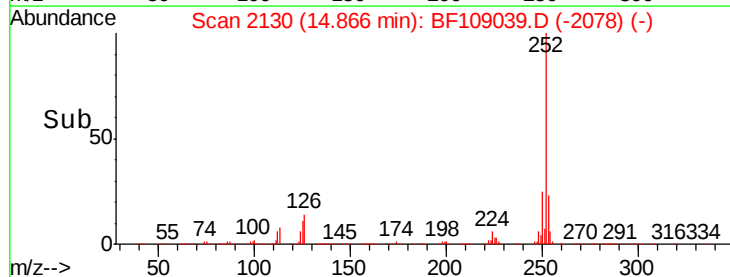
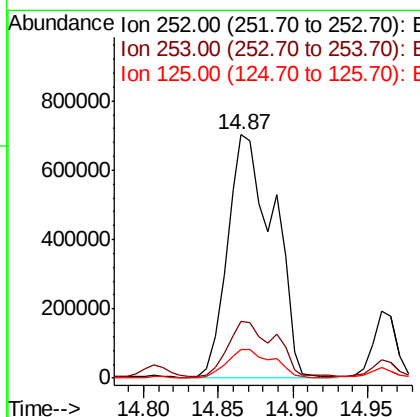
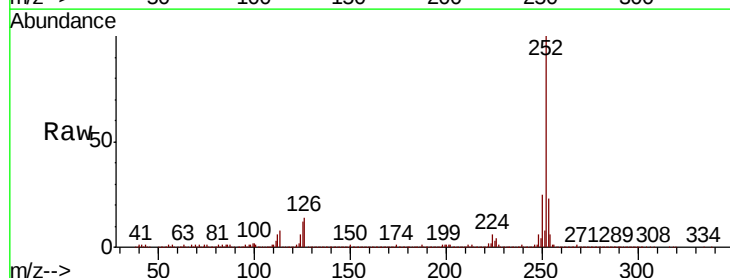
Instrument :
BNA_F
ClientSampleId :
CL-01-091418-B

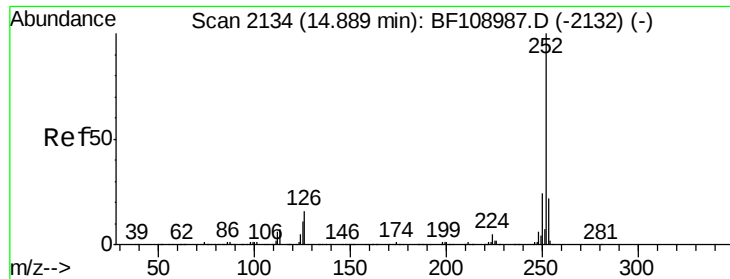
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	23.4	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 73.526 ng
RT: 14.87 min Scan# 2130
Delta R.T. 0.01 min
Lab File: BF109039.D
Acq: 17 Sep 2018 11:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	11.8	9.0	13.6

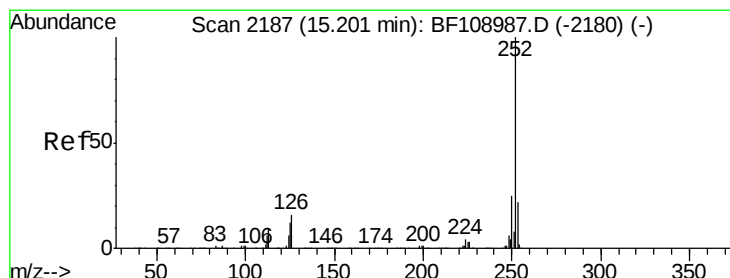
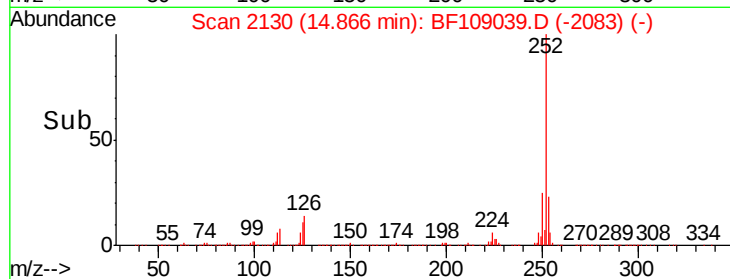
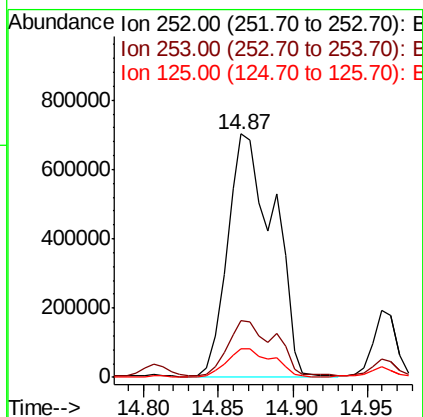
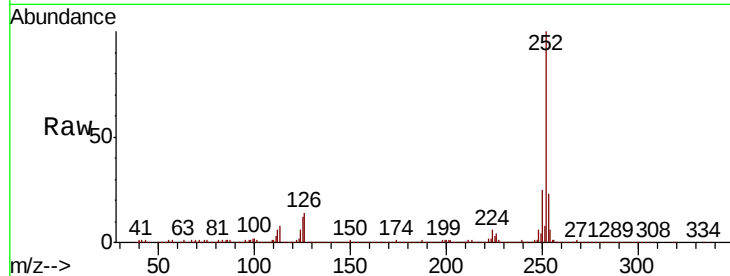




#88
Benzo(k)fluoranthene
Concen: 78.721 ng
RT: 14.87 min Scan# 2130
Delta R.T. -0.02 min
Lab File: BF109039.D
Acq: 17 Sep 2018 11:09

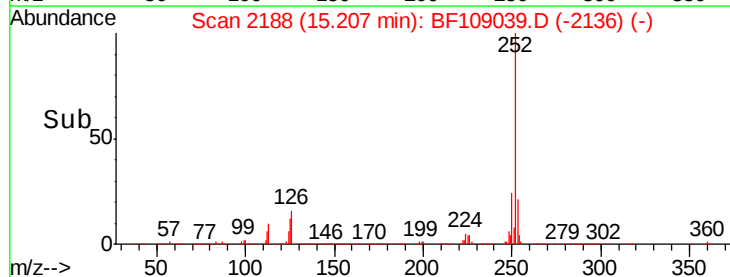
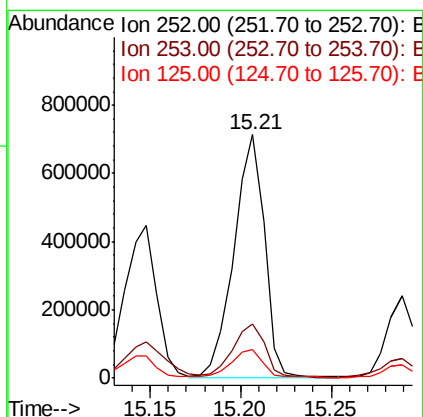
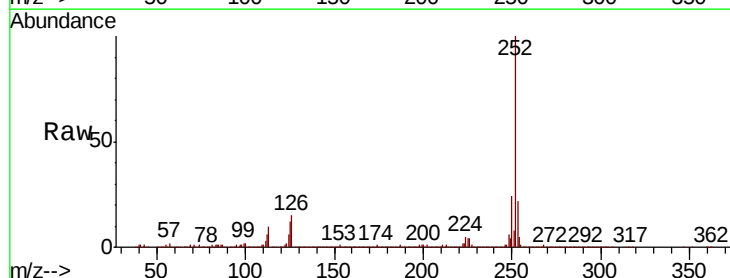
Instrument :
BNA_F
ClientSampleId :
CL-01-091418-B

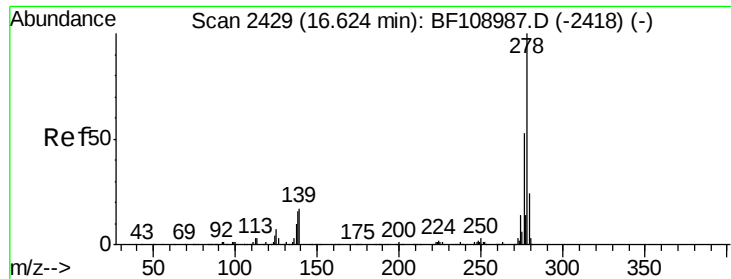
Tot Ion:252 Resp: 1504857
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 11.8 10.2 15.2



#89
Benzo(a)pyrene
Concen: 45.524 ng
RT: 15.21 min Scan# 2188
Delta R.T. 0.01 min
Lab File: BF109039.D
Acq: 17 Sep 2018 11:09

Tgt Ion:252 Resp: 827450
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 11.7 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 6.621 ng

RT: 16.77 min Scan# 2454

Delta R.T. 0.15 min

Lab File: BF109039.D

Acq: 17 Sep 2018 11:09

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-B

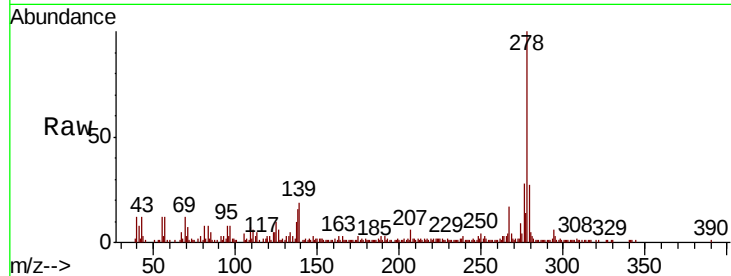
Tot Ion:278 Resp: 101101

Ion Ratio Lower Upper

278 100

139 18.6 15.9 23.9

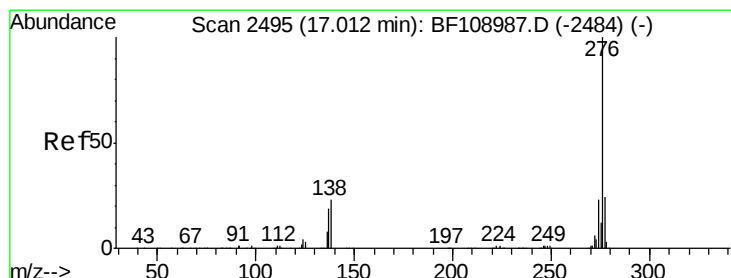
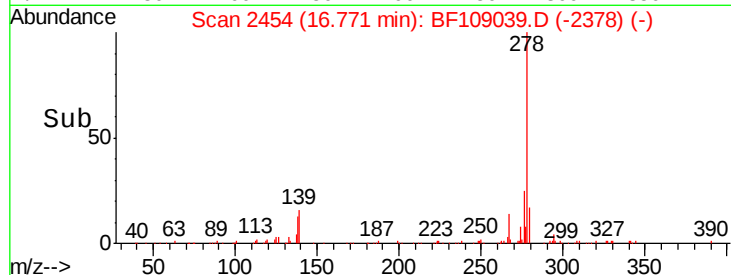
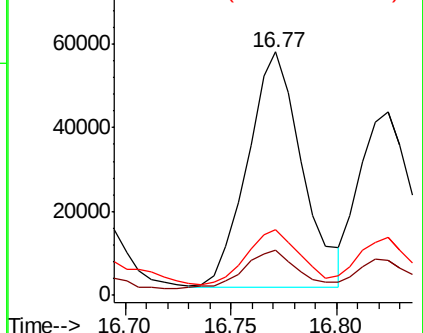
279 27.0 19.0 28.4



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: 25.268 ng

RT: 17.02 min Scan# 2496

Delta R.T. 0.01 min

Lab File: BF109039.D

Acq: 17 Sep 2018 11:09

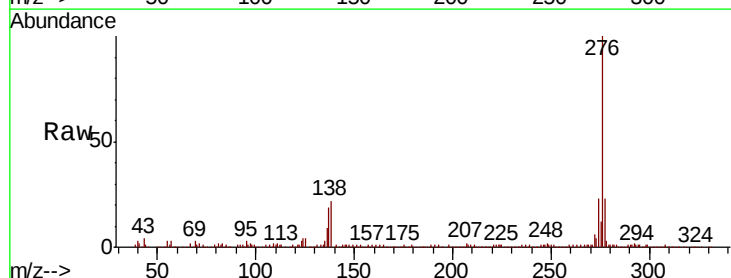
Tgt Ion:276 Resp: 385773

Ion Ratio Lower Upper

276 100

277 23.4 17.9 26.9

138 22.1 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

