

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091718\
 Data File : BF109062.D
 Acq On : 17 Sep 2018 21:36
 Operator : JU/SJ
 Sample : J4936-19
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 138-KV-2

Quant Time: Sep 18 01:46:39 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	147541	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	540231	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	249318	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	434317	20.00	ng	0.00
75) Chrysene-d12	13.85	240	317141	20.00	ng	0.00
86) Perylene-d12	15.26	264	296582	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	628688	70.77	ng	0.00
7) Phenol-d6	6.35	99	808554	70.59	ng	0.00
23) Nitrobenzene-d5	7.28	82	521276	54.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	168844	62.40	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	795492	49.99	ng	0.00
78) Terphenyl-d14	12.81	244	571107	42.68	ng	0.00

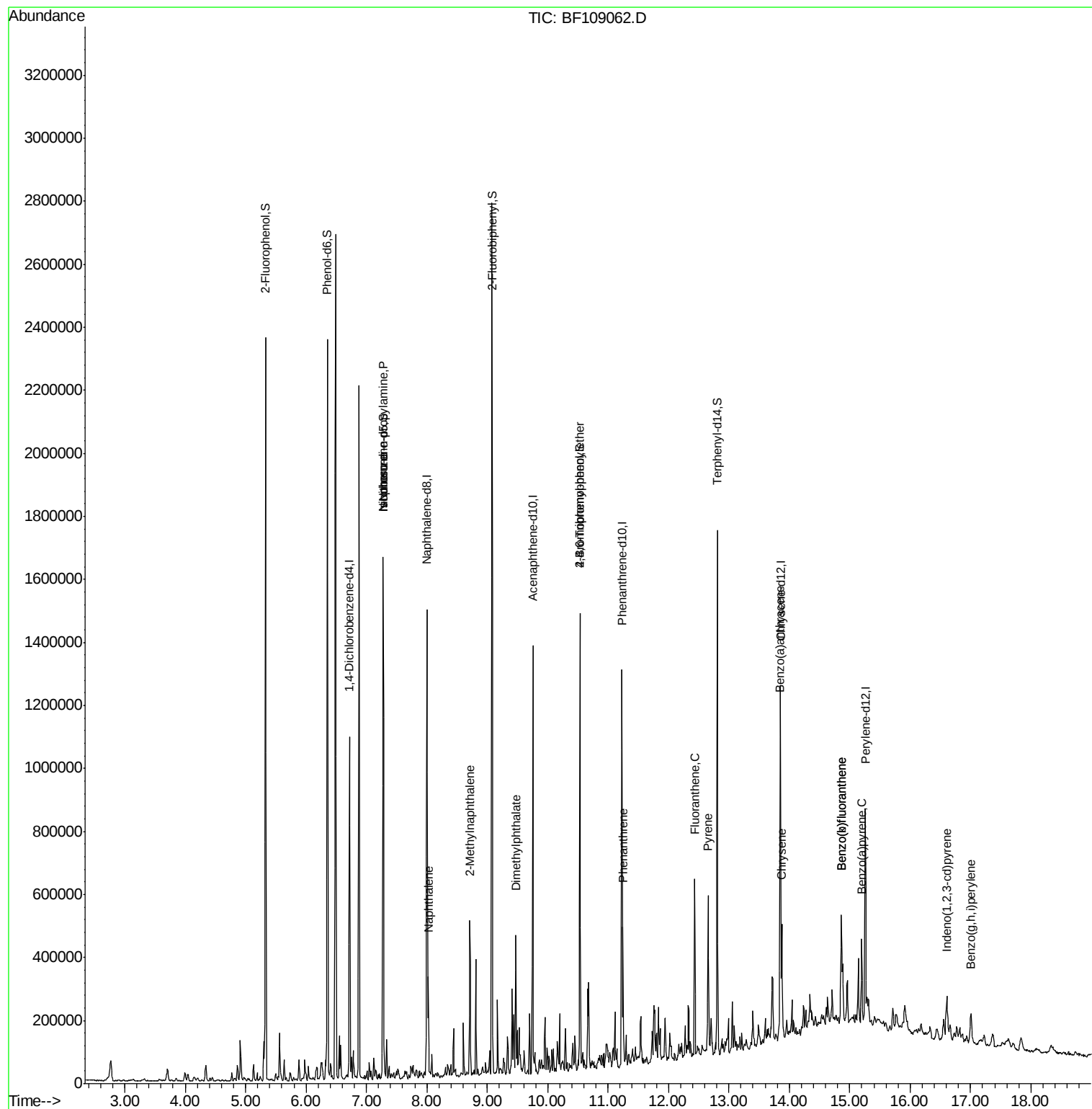
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	70496	9.311	ng	# 78
25) Isophorone	7.28	82	516703	31.208	ng	# 64
31) Naphthalene	8.02	128	121591	4.849	ng	99
37) 2-Methylnaphthalene	8.71	142	103071	6.306	ng	99
49) Dimethylphthalate	9.47	163	146470	8.220	ng	99
66) 4-Bromophenyl-phenylether	10.54	248	10707	2.187	ng	# 1
70) Phenanthrene	11.25	178	165666	7.781	ng	98
74) Fluoranthene	12.44	202	214058	9.524	ng	95
77) Pyrene	12.66	202	193282	8.205	ng	98
80) Benzo(a)anthracene	13.84	228	126393	6.583	ng	98
82) Chrysene	13.88	228	124624	6.487	ng	96
85) Indeno(1,2,3-cd)pyrene	16.60	276	82491	5.371	ng	# 87
87) Benzo(b)fluoranthene	14.86	252	236353	14.405	ng	98
88) Benzo(k)fluoranthene	14.86	252	236353	15.423	ng	98
89) Benzo(a)pyrene	15.20	252	125391	8.605	ng	98
91) Benzo(g,h,i)perylene	17.01	276	73670	6.019	ng	96

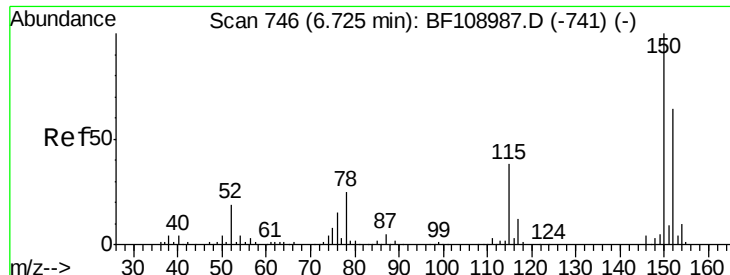
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091718\
Data File : BF109062.D
Acq On : 17 Sep 2018 21:36
Operator : JU/SJ
Sample : J4936-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
138-KV-2

Quant Time: Sep 18 01:46:39 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



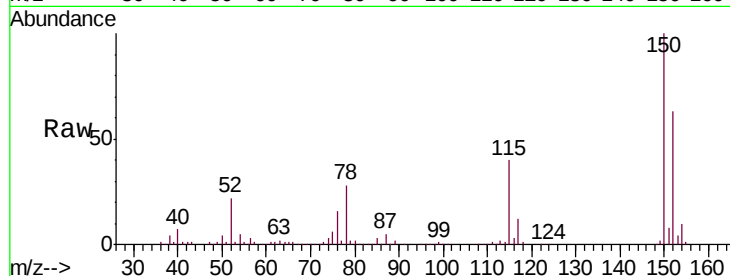


#1

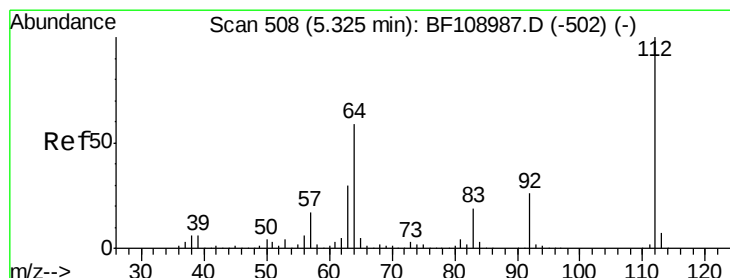
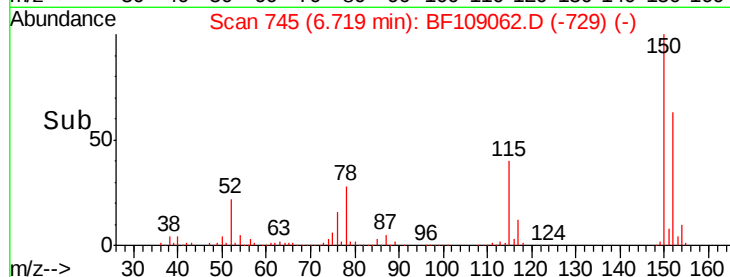
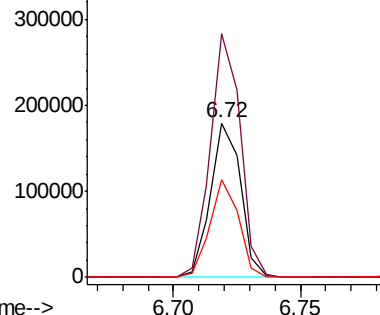
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109062.D
Acq: 17 Sep 2018 21:36

Instrument :
BNA_F
ClientSampleId :
138-KV-2

Tgt Ion:152 Resp: 147541
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 63.7 50.1 75.1



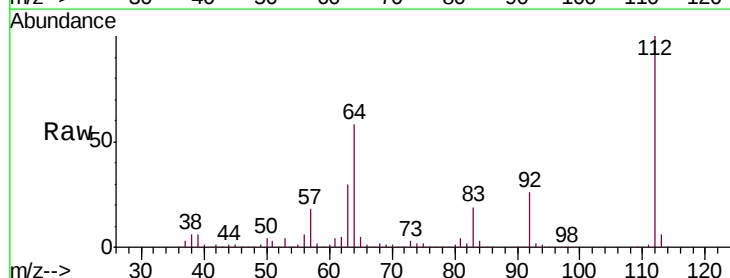
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



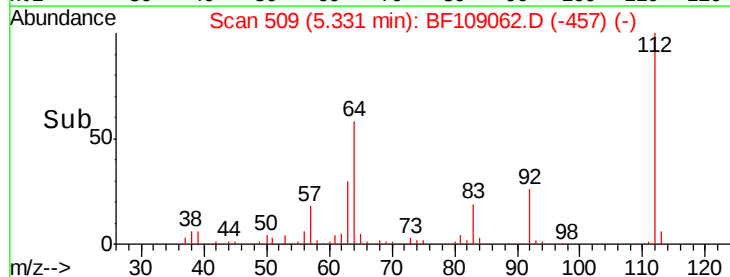
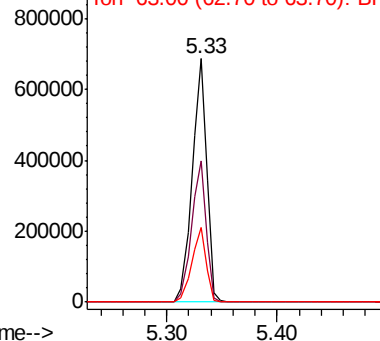
#5

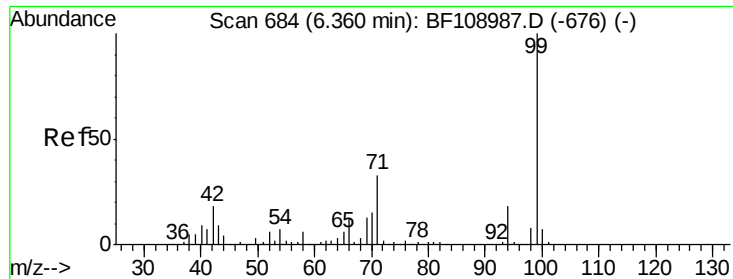
2-Fluorophenol
Concen: 70.772 ng
RT: 5.33 min Scan# 509
Delta R.T. 0.01 min
Lab File: BF109062.D
Acq: 17 Sep 2018 21:36

Tgt Ion:112 Resp: 628688
Ion Ratio Lower Upper
112 100
64 58.0 47.9 71.9
63 30.4 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: 70.588 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF109062.D

Acq: 17 Sep 2018 21:36

Instrument :

BNA_F

ClientSampled :

138-KV-2

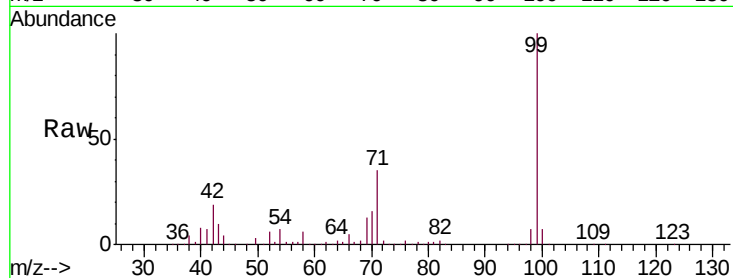
Tgt Ion: 99 Resp: 808554

Ion Ratio Lower Upper

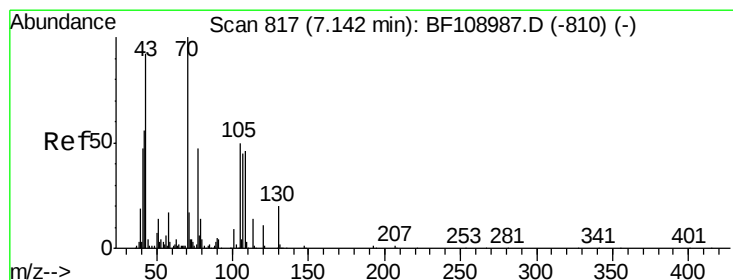
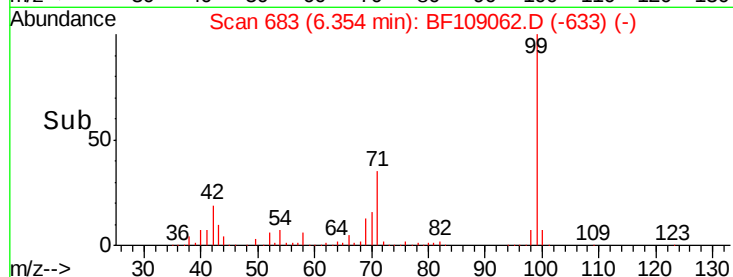
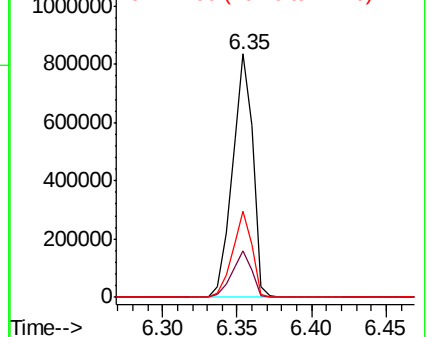
99 100

42 19.2 14.5 21.7

71 35.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 9.311 ng

RT: 7.28 min Scan# 840

Delta R.T. 0.14 min

Lab File: BF109062.D

Acq: 17 Sep 2018 21:36

Tgt Ion: 70 Resp: 70496

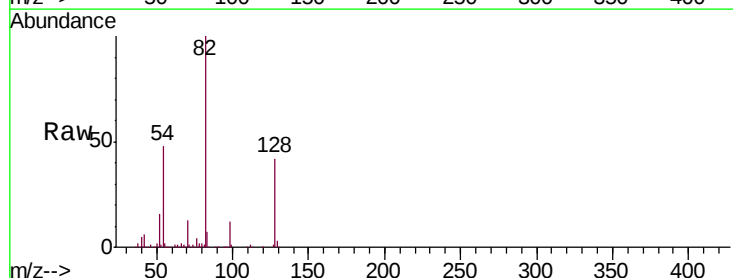
Ion Ratio Lower Upper

70 100

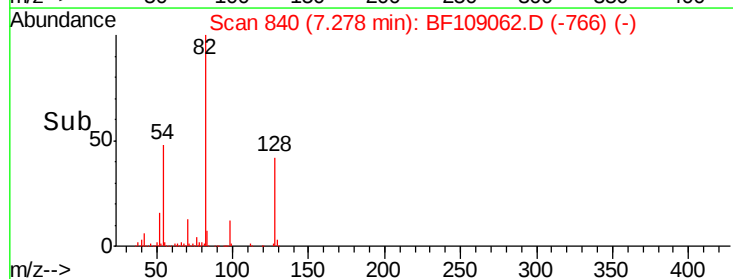
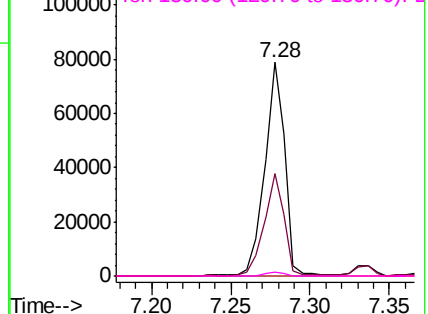
42 47.9 47.5 71.3

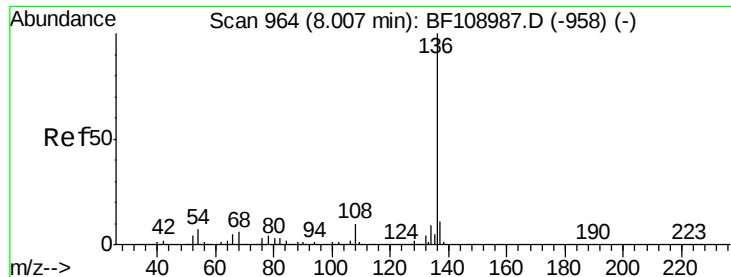
101 0.0 7.4 11.2#

130 2.0 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

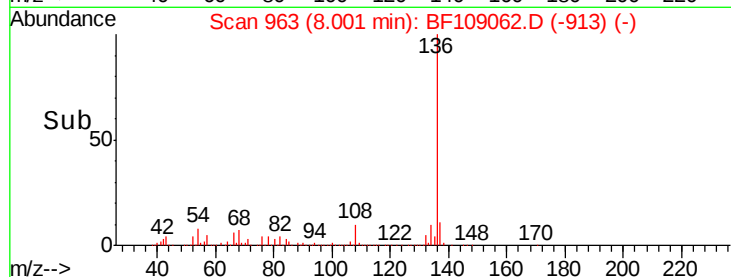
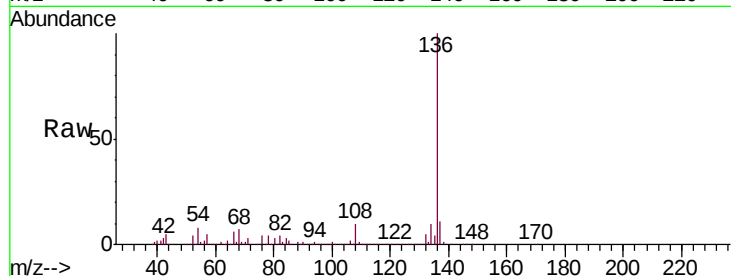




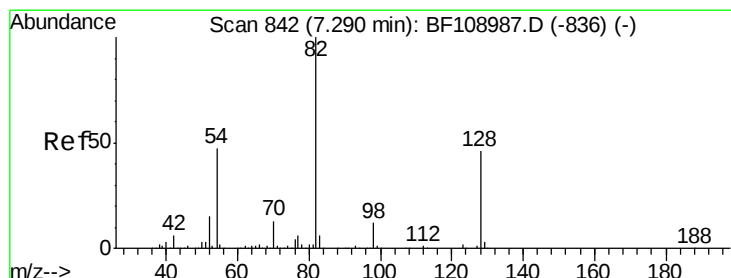
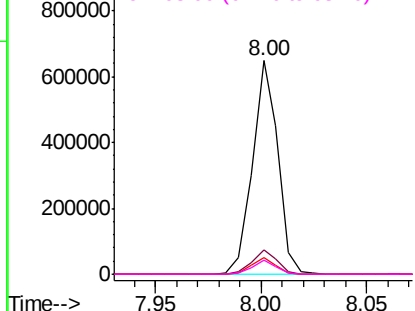
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF109062.D
Acq: 17 Sep 2018 21:36

Instrument :
BNA_F
ClientSampled :
138-KV-2

Tgt Ion:	136	Resp:	540231
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.9	6.6	9.8
68	6.5	5.0	7.4

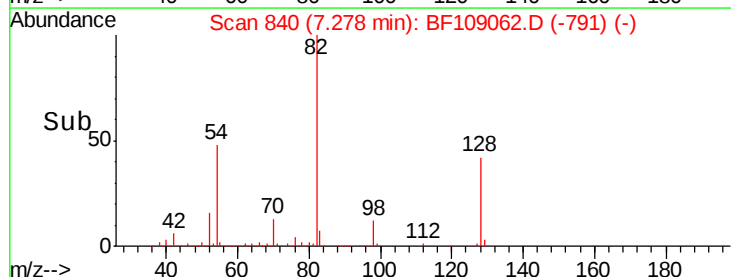
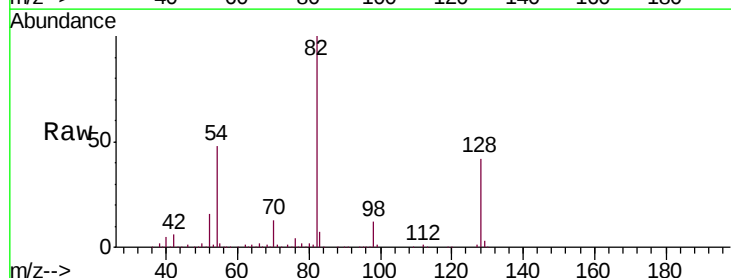


Abundance Ion 136.00 (135.70 to 136.70): E
1000000 Ion 137.00 (136.70 to 137.70): E
800000 Ion 54.00 (53.70 to 54.70): BF1
600000 Ion 68.00 (67.70 to 68.70): BF1
400000
200000
0

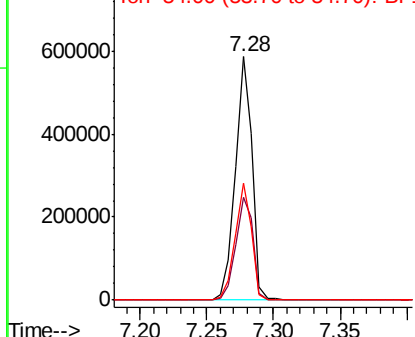


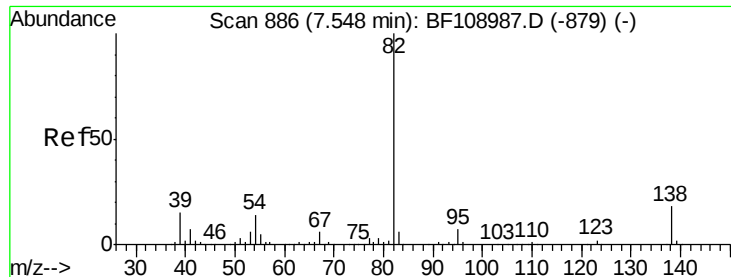
#23
Nitrobenzene-d5
Concen: 54.120 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF109062.D
Acq: 17 Sep 2018 21:36

Tgt Ion:	82	Resp:	521276
Ion	Ratio	Lower	Upper
82	100		
128	42.4	36.1	54.1
54	47.9	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
800000 Ion 128.00 (127.70 to 128.70): E
600000 Ion 54.00 (53.70 to 54.70): BF1
400000
200000
0





#25

Isophorone

Concen: 31.208 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.27 min

Lab File: BF109062.D

Acq: 17 Sep 2018 21:36

Instrument :

BNA_F

ClientSampleId :

138-KV-2

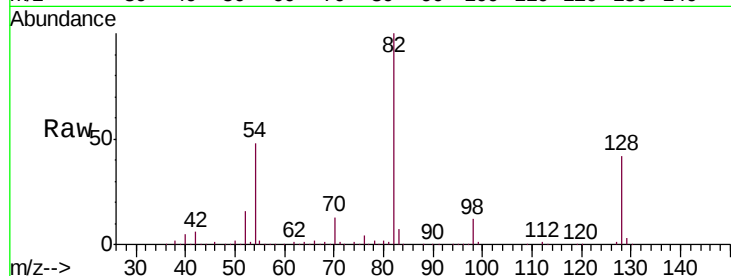
Tgt Ion: 82 Resp: 516703

Ion Ratio Lower Upper

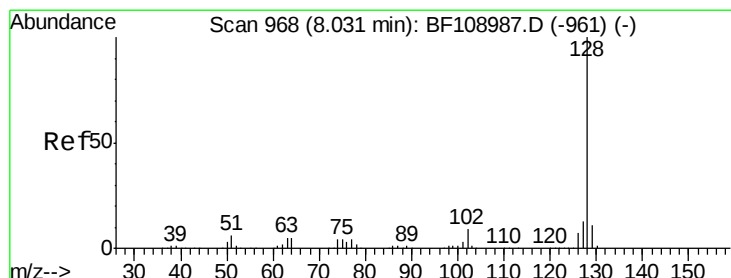
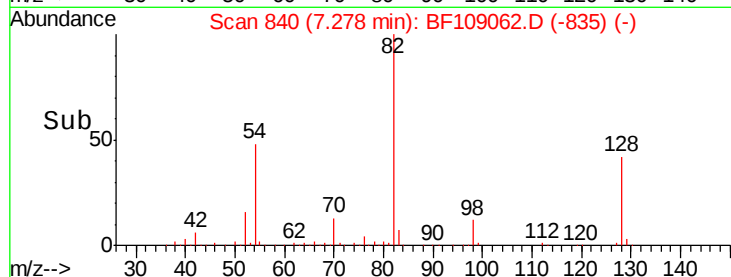
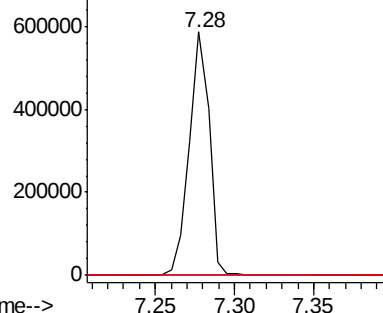
82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
800000
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 4.849 ng

RT: 8.02 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF109062.D

Acq: 17 Sep 2018 21:36

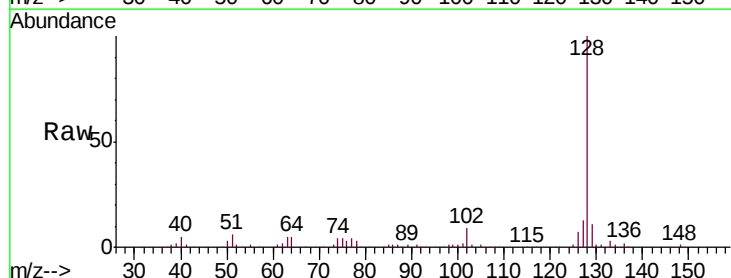
Tgt Ion: 128 Resp: 121591

Ion Ratio Lower Upper

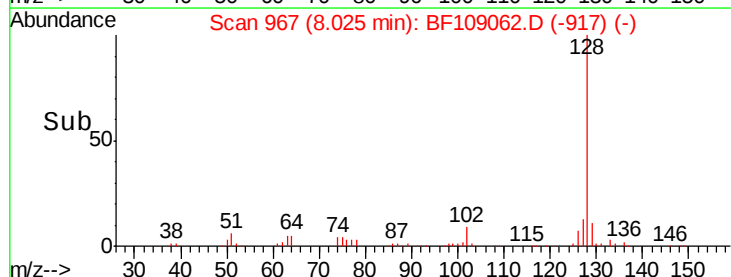
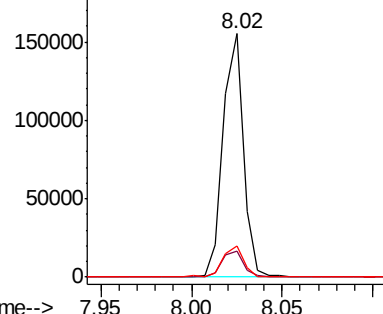
128 100

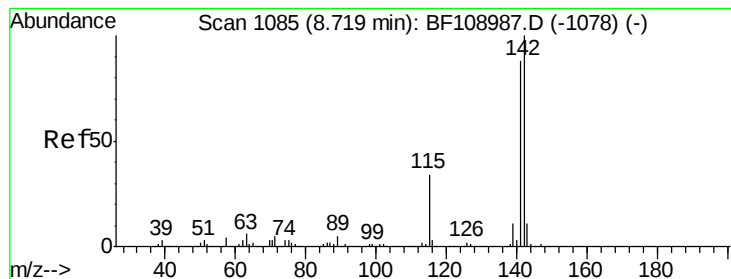
129 10.9 8.8 13.2

127 12.8 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
200000
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 6.306 ng

RT: 8.71 min Scan# 1084

Delta R.T. -0.01 min

Lab File: BF109062.D

Acq: 17 Sep 2018 21:36

Instrument :

BNA_F

ClientSampleId :

138-KV-2

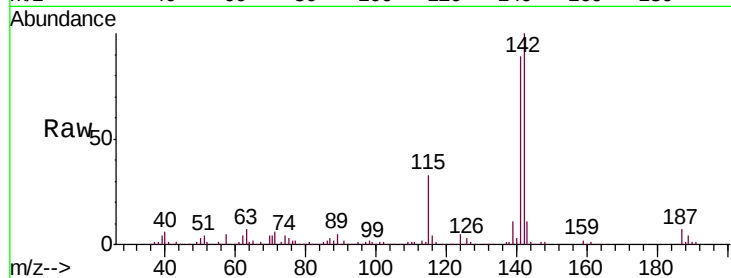
Tgt Ion:142 Resp: 103071

Ion Ratio Lower Upper

142 100

141 88.7 70.8 106.2

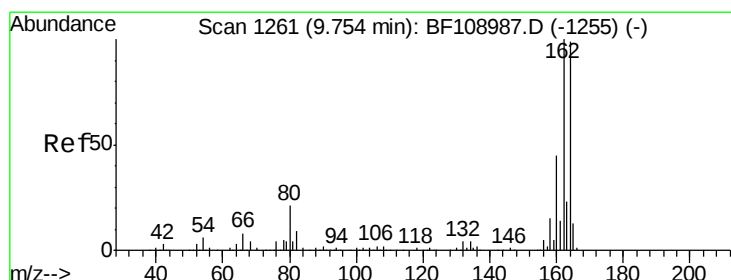
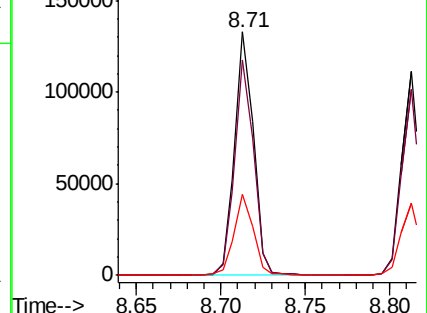
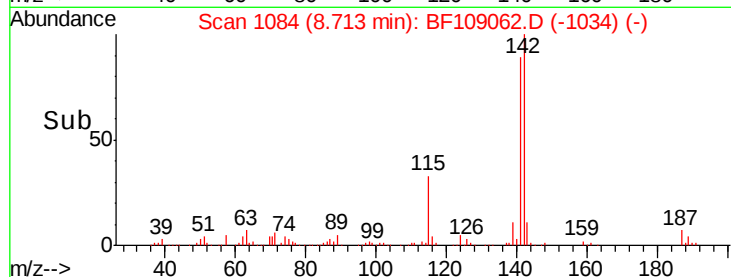
115 33.3 26.1 39.1



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: 9.75 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BF109062.D

Acq: 17 Sep 2018 21:36

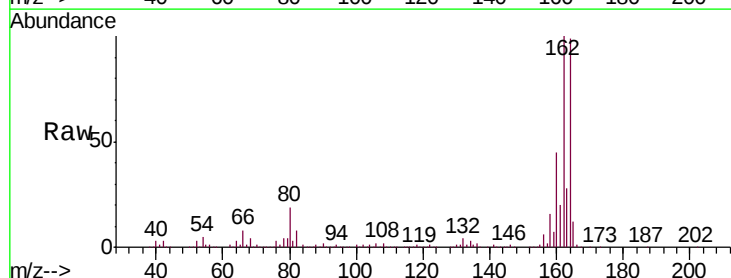
Tgt Ion:164 Resp: 249318

Ion Ratio Lower Upper

164 100

162 101.3 86.1 129.1

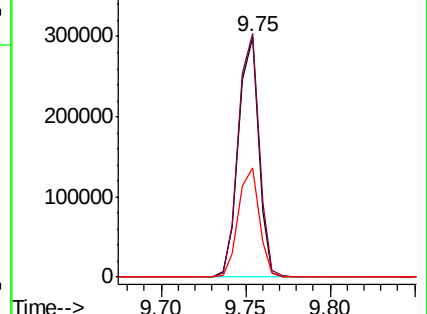
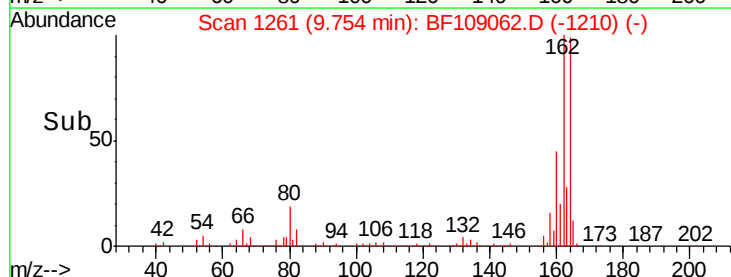
160 45.7 38.3 57.5

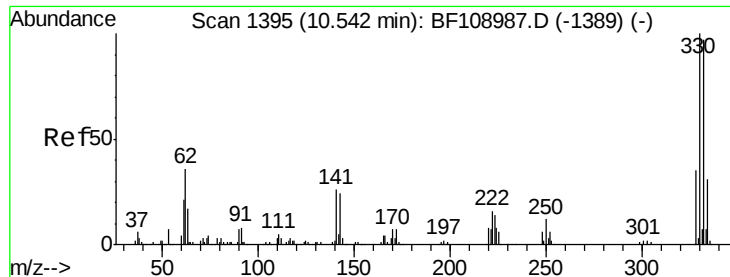


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

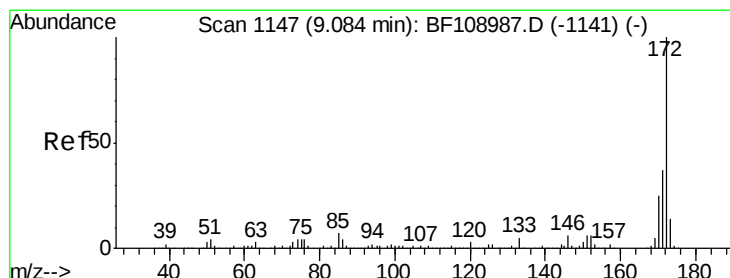
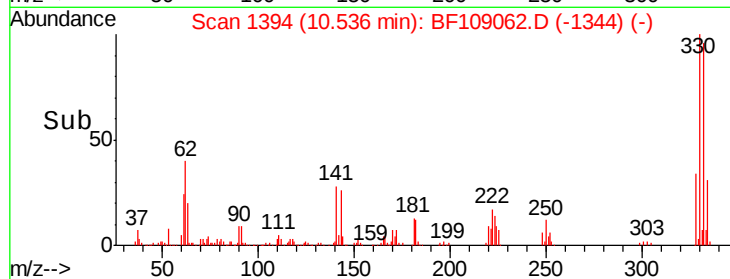
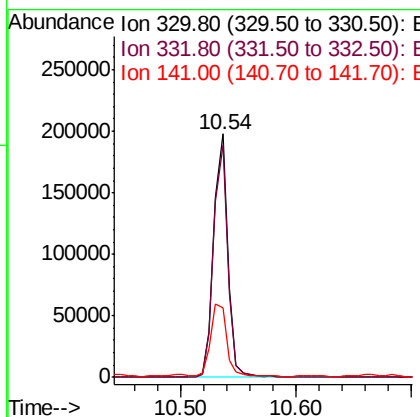
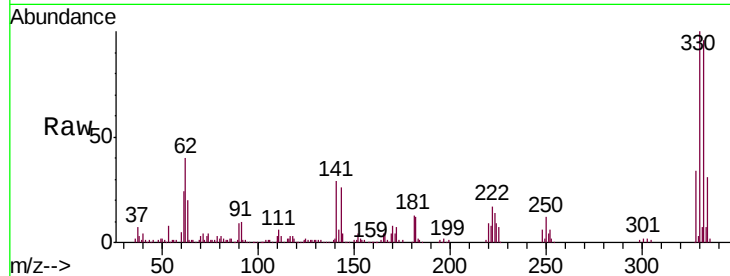




#41
 2,4,6-Tribromophenol
 Concen: 62.402 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109062.D
 Acq: 17 Sep 2018 21:36

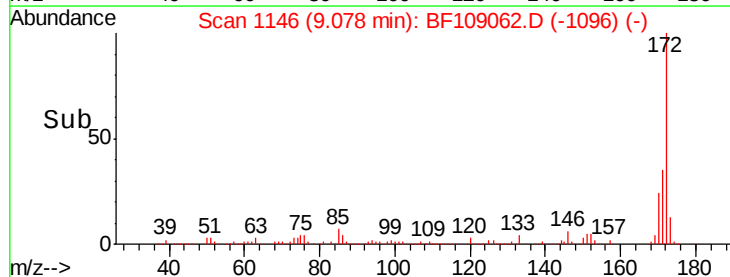
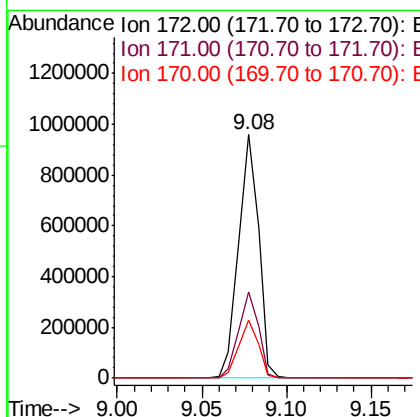
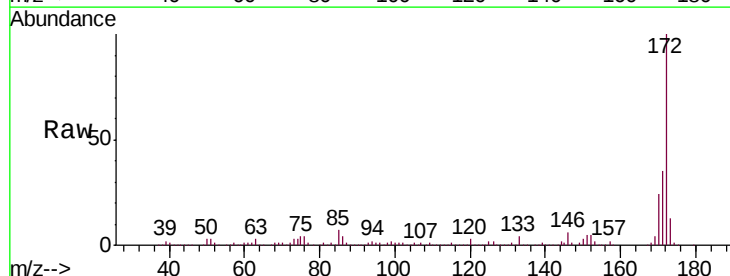
Instrument :
 BNA_F
 ClientSampled :
 138-KV-2

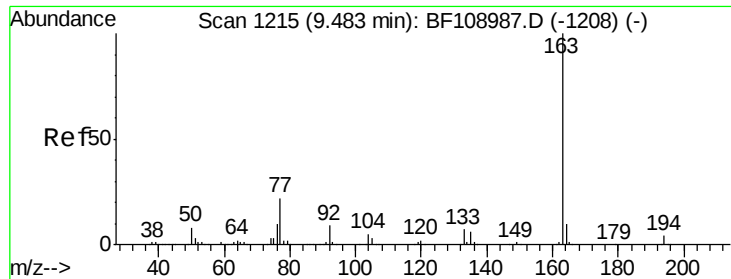
Tgt Ion:330 Resp: 168844
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 32.8 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 49.989 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109062.D
 Acq: 17 Sep 2018 21:36

Tgt Ion:172 Resp: 795492
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.7 19.6 29.4

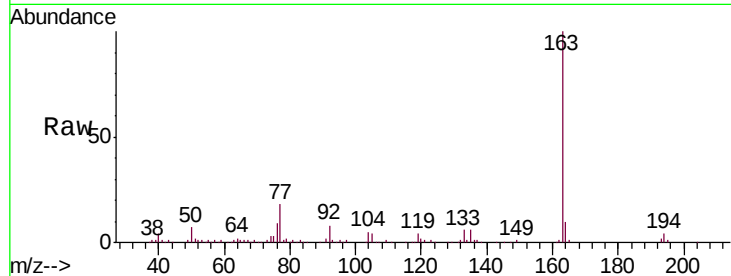




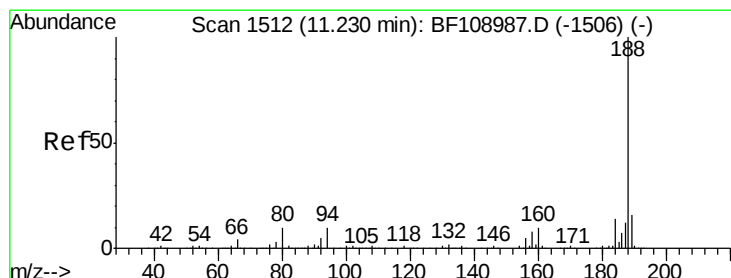
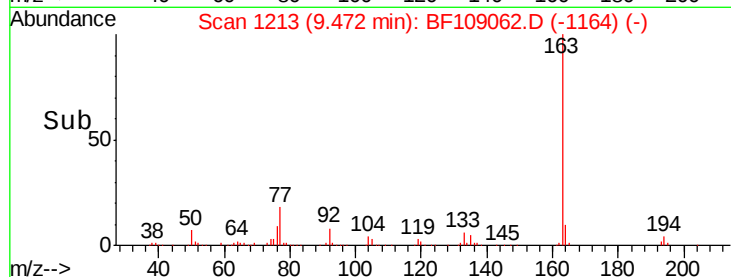
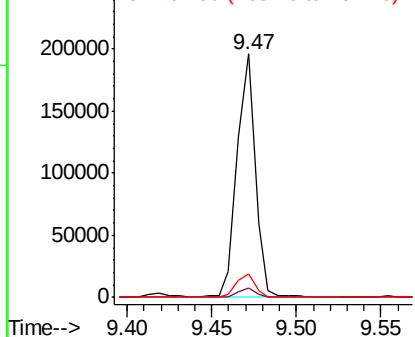
#49
Dimethylphthalate
Concen: 8.220 ng
RT: 9.47 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF109062.D
Acq: 17 Sep 2018 21:36

Instrument :
BNA_F
ClientSampleId :
138-KV-2

Tgt Ion:163 Resp: 146470
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.7 8.2 12.2

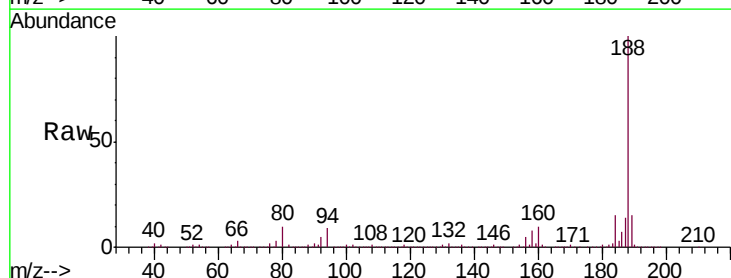


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

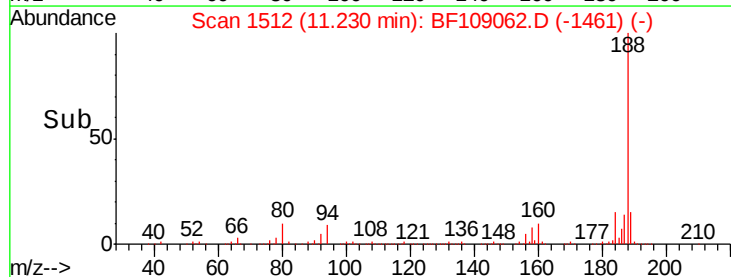
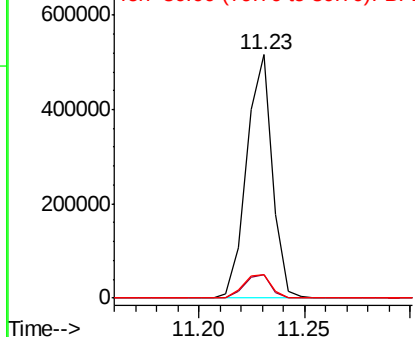


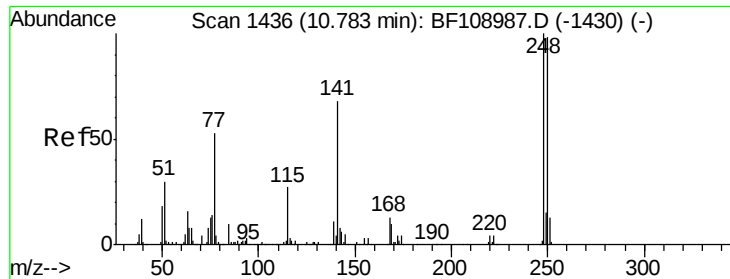
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BF109062.D
Acq: 17 Sep 2018 21:36

Tgt Ion:188 Resp: 434317
Ion Ratio Lower Upper
188 100
94 9.4 8.5 12.7
80 9.8 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

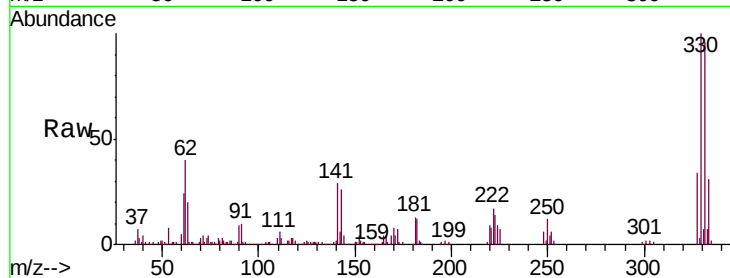




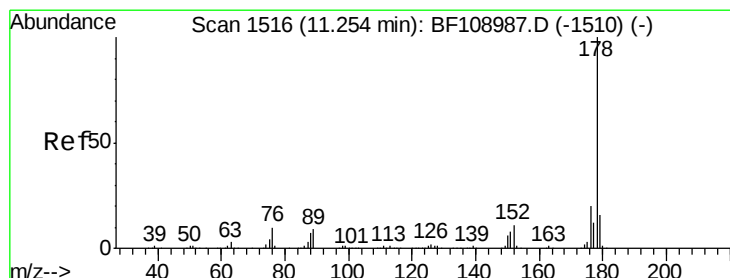
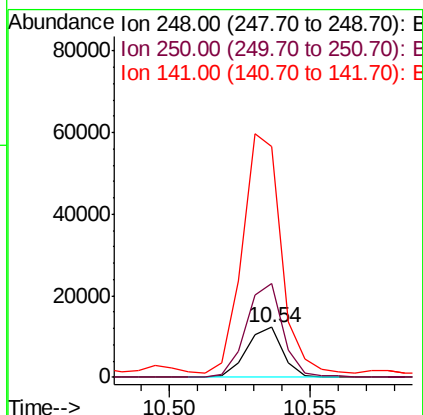
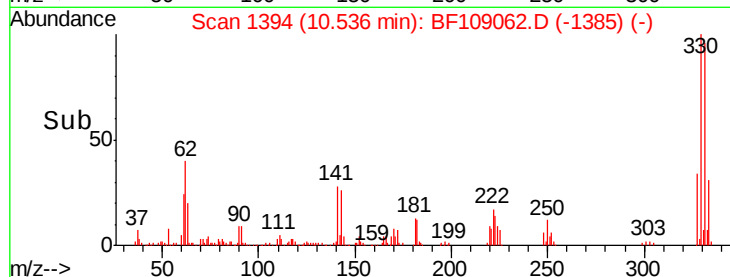
#66
 4-Bromophenyl-phenylether
 Concen: 2.187 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.25 min
 Lab File: BF109062.D
 Acq: 17 Sep 2018 21:36

Instrument :
 BNA_F
 ClientSampleId :
 138-KV-2

Tgt Ion:248 Resp: 10707
 Ion Ratio Lower Upper
 248 100
 250 187.8 76.9 115.3#
 141 463.2 74.4 111.6#

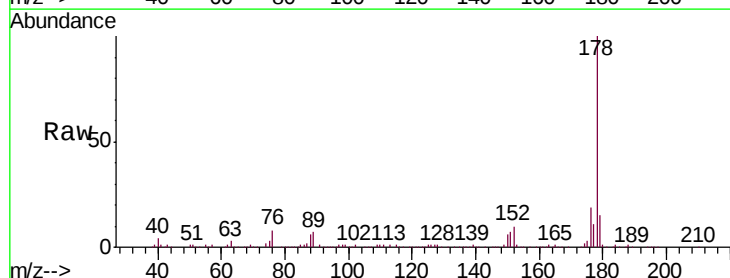


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

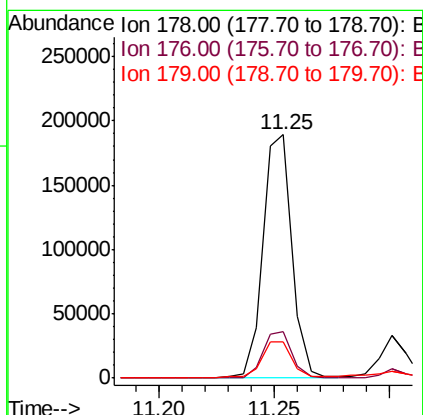
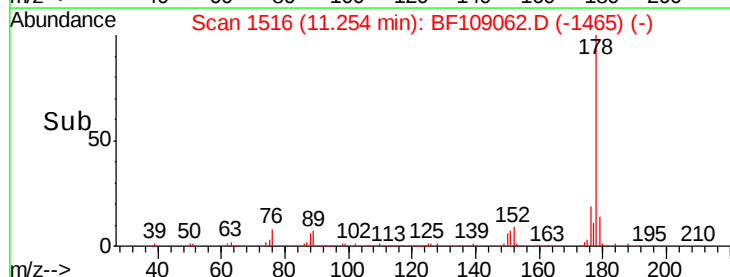


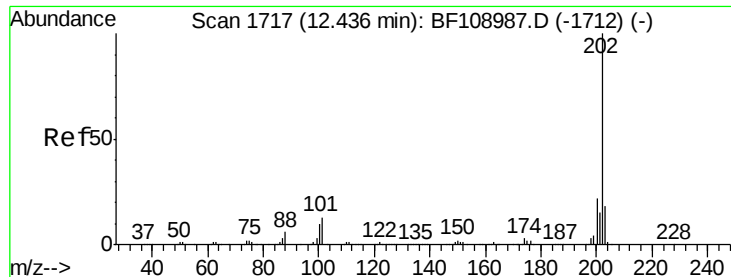
#70
 Phenanthrene
 Concen: 7.781 ng
 RT: 11.25 min Scan# 1516
 Delta R.T. -0.00 min
 Lab File: BF109062.D
 Acq: 17 Sep 2018 21:36

Tgt Ion:178 Resp: 165666
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 15.0 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: 9.524 ng

RT: 12.44 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BF109062.D

Acq: 17 Sep 2018 21:36

Instrument :

BNA_F

ClientSampleId :

138-KV-2

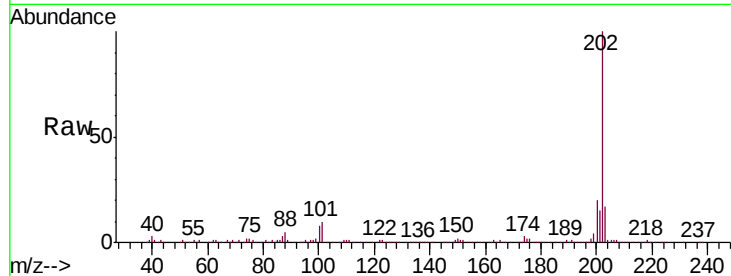
Tgt Ion: 202 Resp: 214058

Ion Ratio Lower Upper

202 100

101 10.4 0.0 34.1

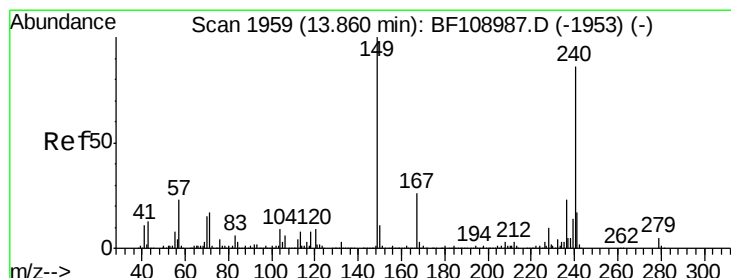
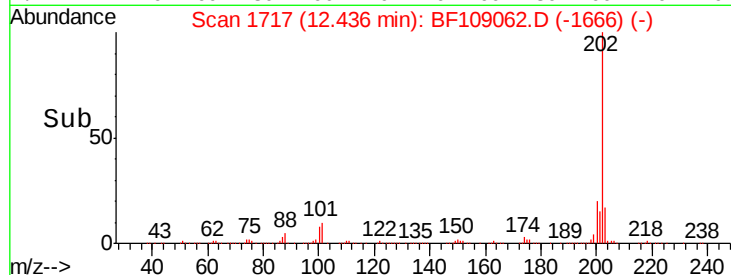
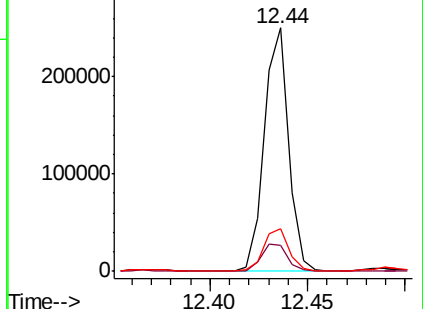
203 17.3 0.0 38.1



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: BF109062.D

Acq: 17 Sep 2018 21:36

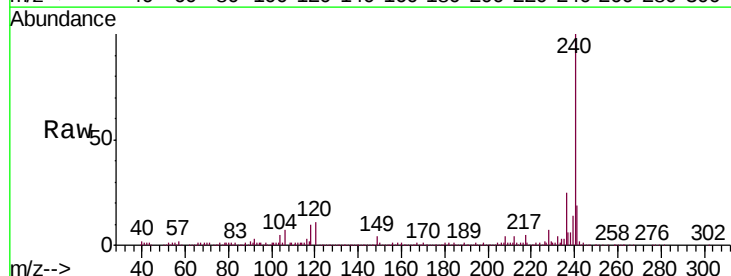
Tgt Ion: 240 Resp: 317141

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

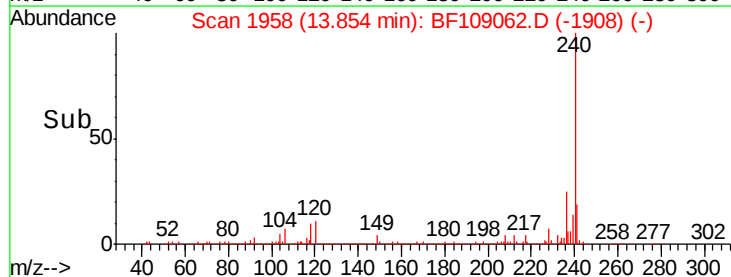
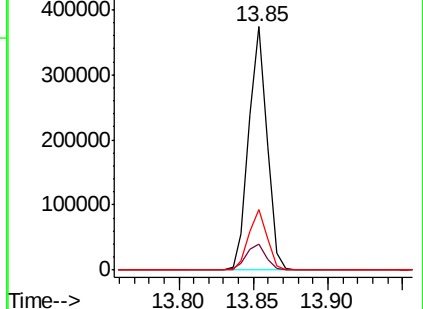
236 24.7 20.7 31.1

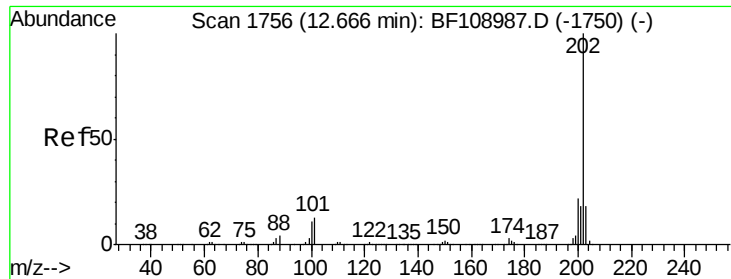


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 8.205 ng

RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF109062.D

Acq: 17 Sep 2018 21:36

Instrument :

BNA_F

ClientSampleId :

138-KV-2

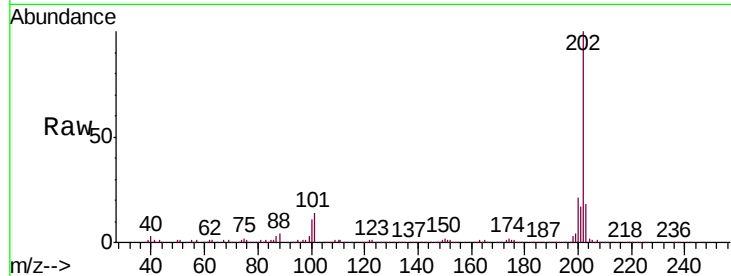
Tgt Ion: 202 Resp: 193282

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

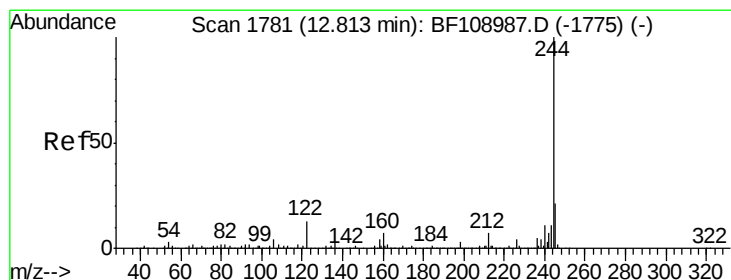
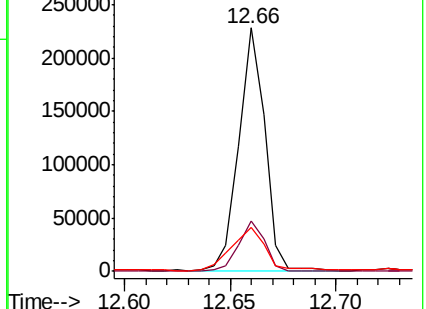
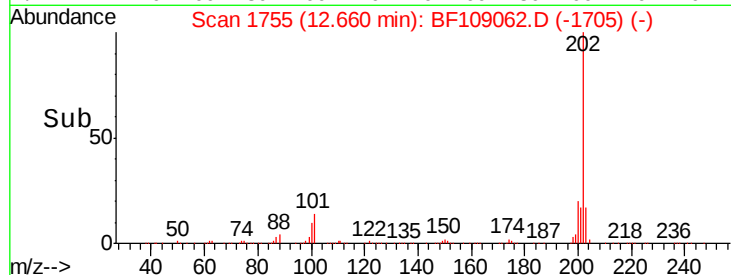
203 17.9 14.3 21.5



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: 42.684 ng

RT: 12.81 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BF109062.D

Acq: 17 Sep 2018 21:36

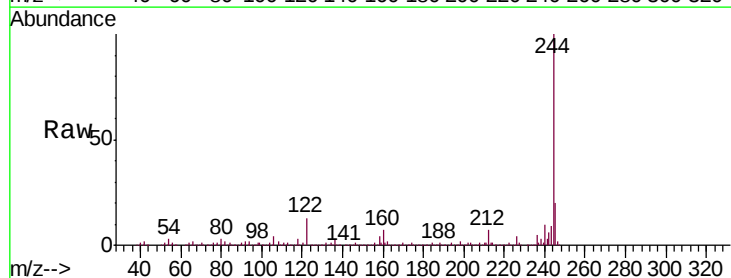
Tgt Ion: 244 Resp: 571107

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

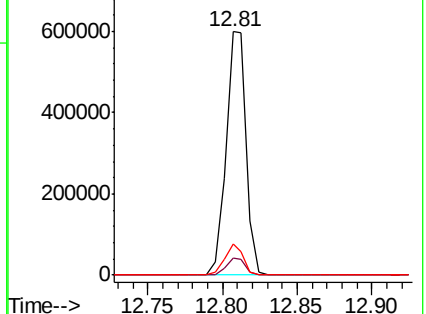
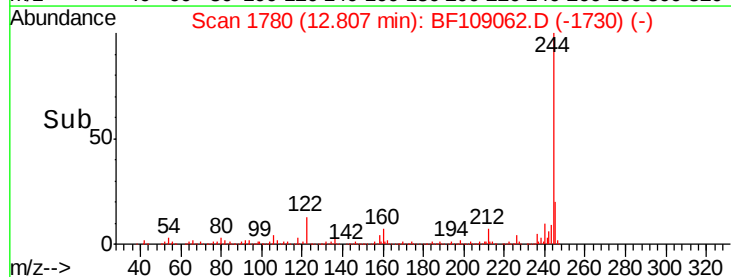
122 13.0 11.0 16.4

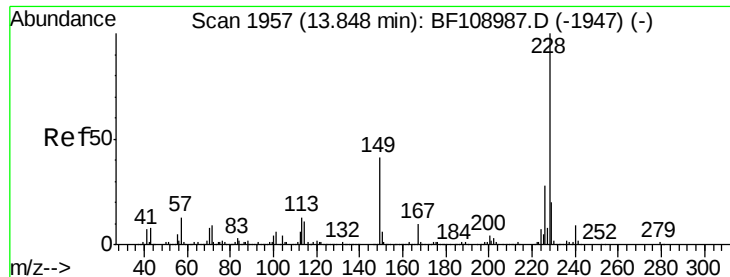


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.583 ng

RT: 13.84 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BF109062.D

Acq: 17 Sep 2018 21:36

Instrument :

BNA_F

ClientSampleId :

138-KV-2

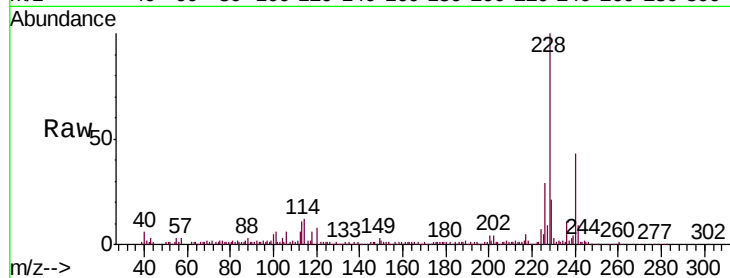
Tgt Ion:228 Resp: 126393

Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

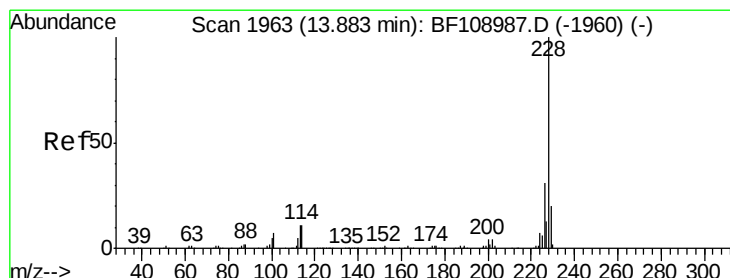
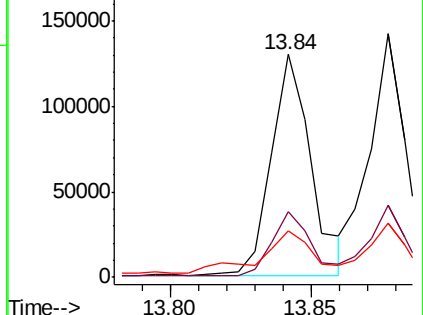
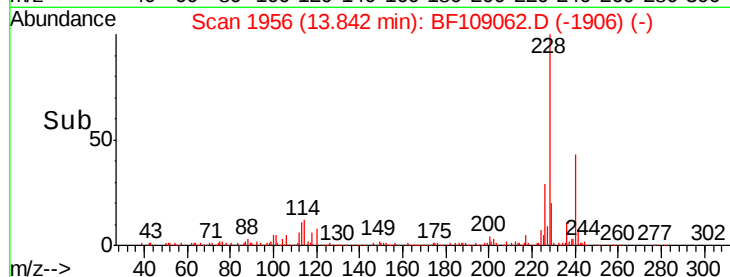
229 20.6 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 6.487 ng

RT: 13.88 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BF109062.D

Acq: 17 Sep 2018 21:36

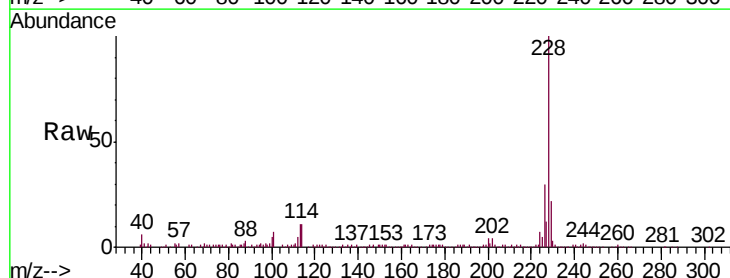
Tgt Ion:228 Resp: 124624

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.6

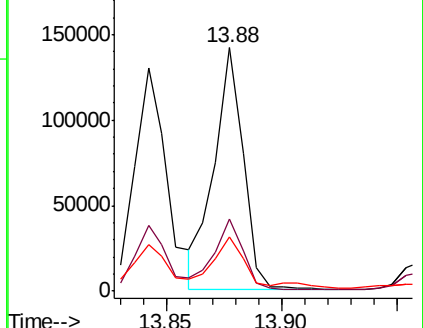
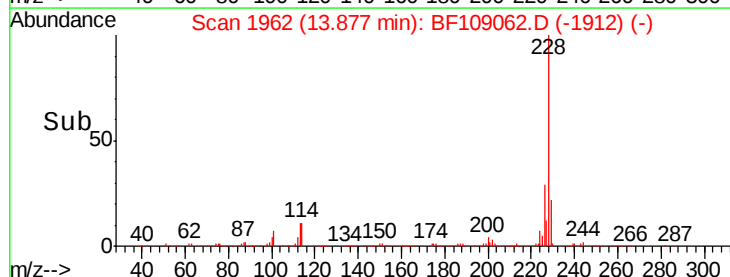
229 22.5 16.2 24.4

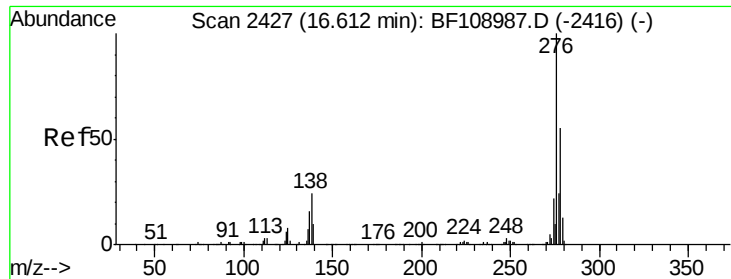


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

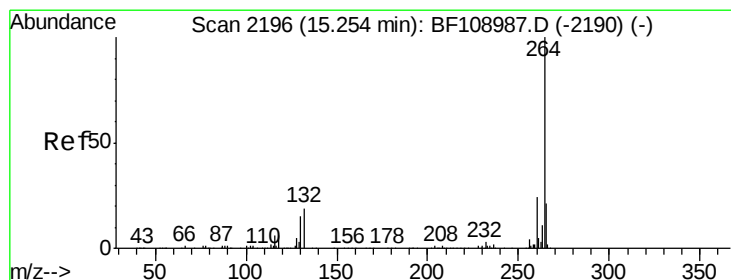
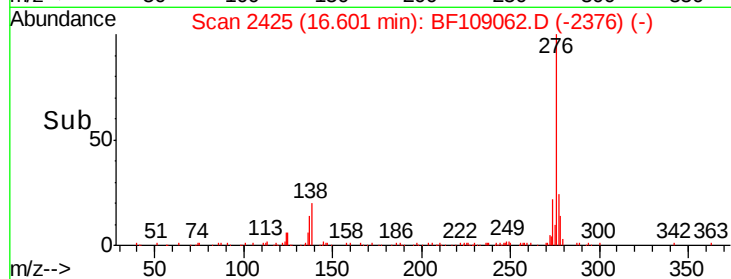
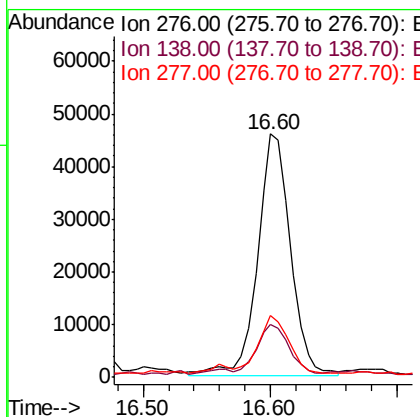
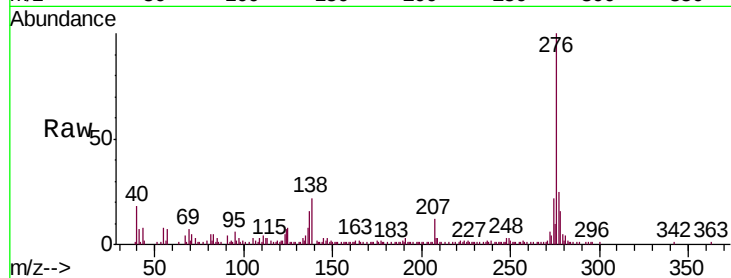




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.371 ng
 RT: 16.60 min Scan# 2425
 Delta R.T. -0.01 min
 Lab File: BF109062.D
 Acq: 17 Sep 2018 21:36

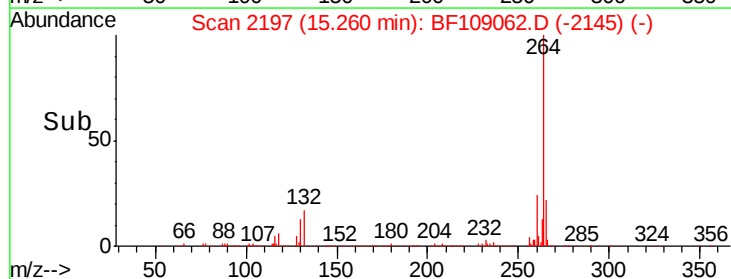
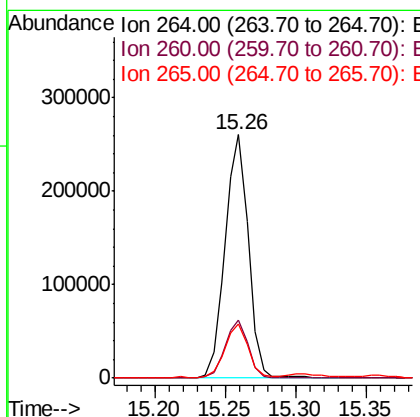
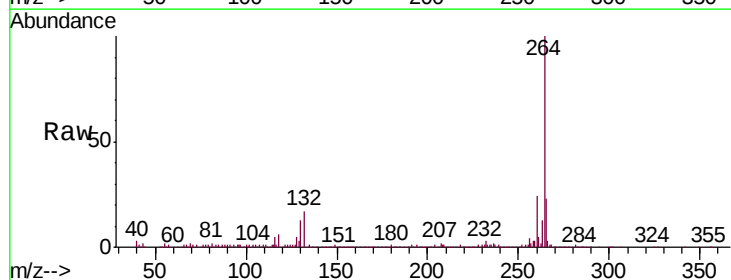
Instrument :
 BNA_F
 ClientSampleId :
 138-KV-2

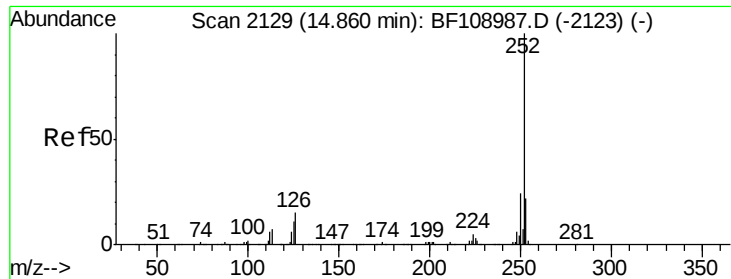
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.1	25.0	37.6#
277	24.2	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2197
 Delta R.T. 0.01 min
 Lab File: BF109062.D
 Acq: 17 Sep 2018 21:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.5	17.5	26.3

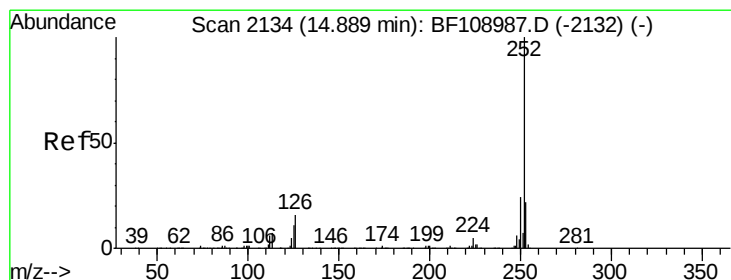
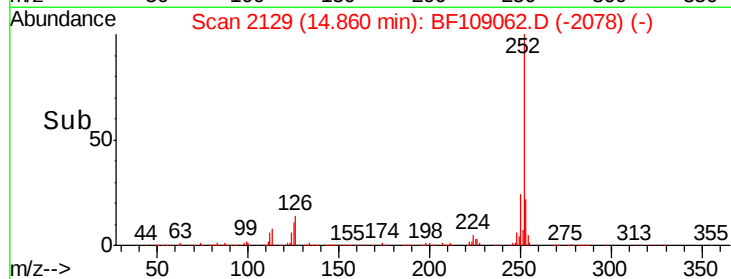
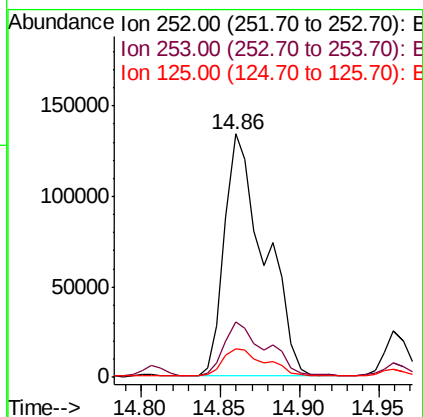
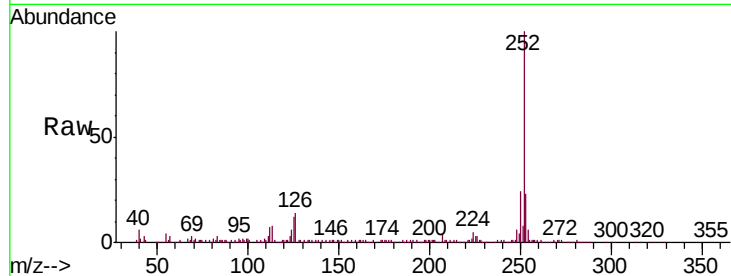




#87
Benzo(b)fluoranthene
Concen: 14.405 ng
RT: 14.86 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BF109062.D
Acq: 17 Sep 2018 21:36

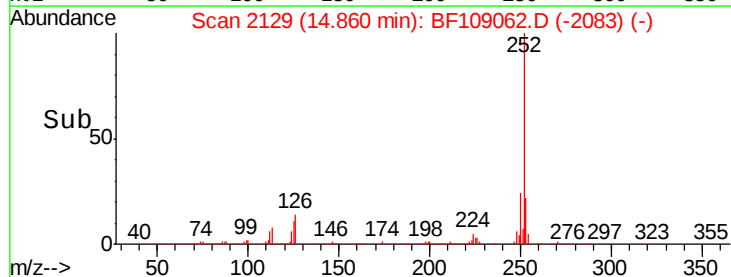
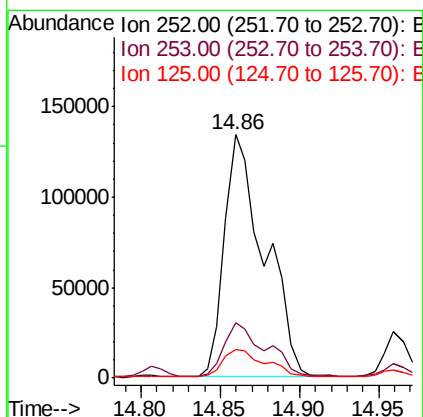
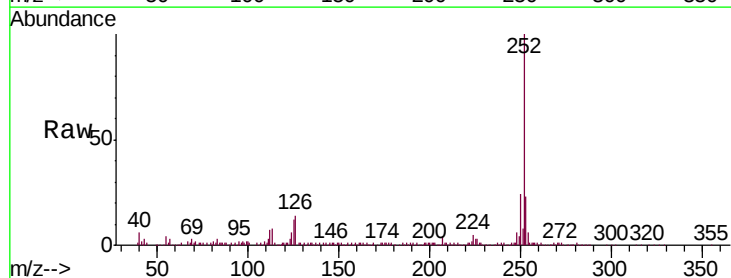
Instrument :
BNA_F
ClientSampleId :
138-KV-2

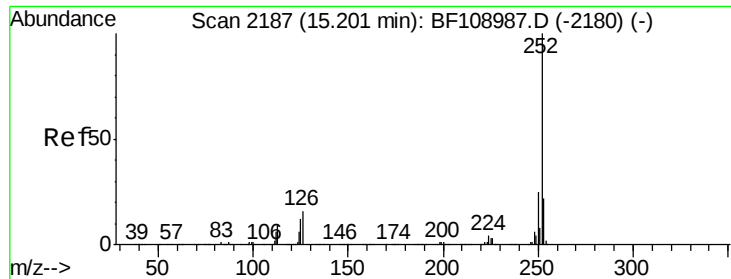
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	11.6	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 15.423 ng
RT: 14.86 min Scan# 2129
Delta R.T. -0.03 min
Lab File: BF109062.D
Acq: 17 Sep 2018 21:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	11.6	10.2	15.2





#89

Benzo(a)pyrene

Concen: 8.605 ng

RT: 15.20 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BF109062.D

Acq: 17 Sep 2018 21:36

Instrument :

BNA_F

ClientSampled :

138-KV-2

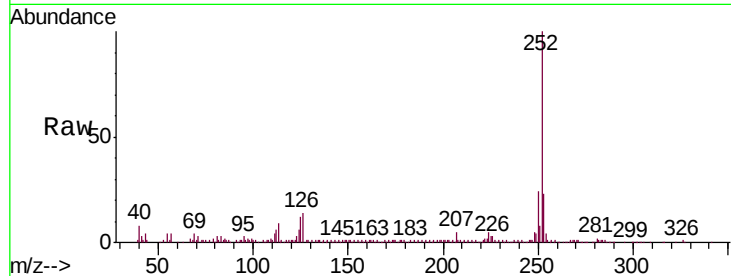
Tgt Ion:252 Resp: 125391

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

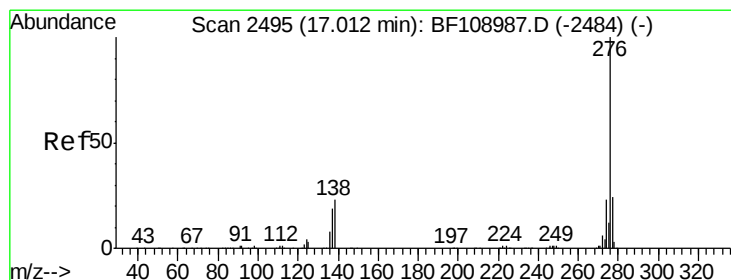
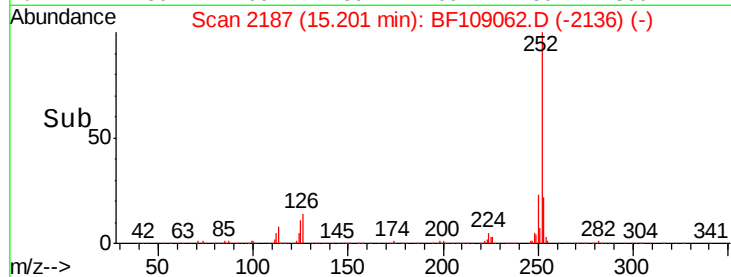
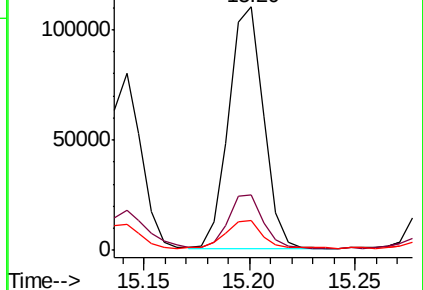
125 12.1 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.019 ng

RT: 17.01 min Scan# 2494

Delta R.T. -0.01 min

Lab File: BF109062.D

Acq: 17 Sep 2018 21:36

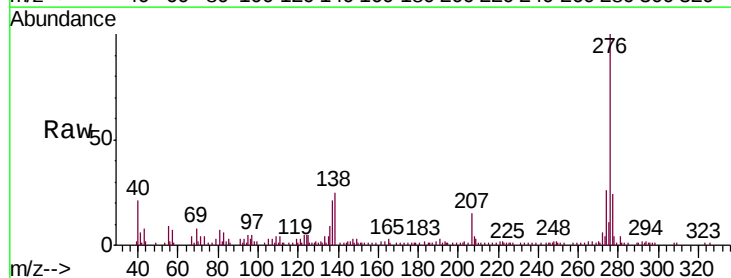
Tgt Ion:276 Resp: 73670

Ion Ratio Lower Upper

276 100

277 23.9 17.9 26.9

138 24.5 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

