

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100518\
 Data File : BF109621.D
 Acq On : 5 Oct 2018 21:03
 Operator : JU/SJ
 Sample : J5255-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-1

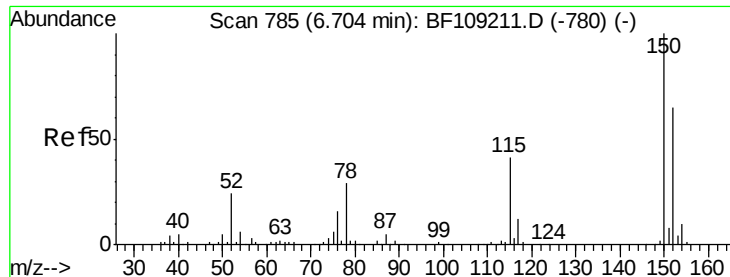
Quant Time: Oct 06 05:56:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	89236	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	355179	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	156768	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	259135	20.00	ng	0.00
75) Chrysene-d12	13.83	240	197863	20.00	ng	-0.01
86) Perylene-d12	15.24	264	203375	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	472091	87.14	ng	0.01
7) Phenol-d6	6.35	99	621089	89.84	ng	0.00
23) Nitrobenzene-d5	7.26	82	403531	67.07	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	134483	87.02	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	738007	71.00	ng	-0.02
78) Terphenyl-d14	12.79	244	539985	66.98	ng	-0.02
Target Compounds						
10) Phenol	6.36	94	19006	2.428	ng	# 47
19) n-Nitroso-di-n-propylamine	7.26	70	51648	11.401	ng	# 79
25) Isophorone	7.26	82	391153	36.102	ng	# 64
49) Dimethylphthalate	9.45	163	70103	6.148	ng	# 99
56) 2,4-Dinitrotoluene	9.73	165	19631	6.870	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	113	6.614	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	7652	2.659	ng	# 1
74) Fluoranthene	12.42	202	39645	2.867	ng	94
77) Pyrene	12.64	202	44030	3.105	ng	98
80) Benzo(a)anthracene	13.83	228	24986	2.097	ng	96
82) Chrysene	13.86	228	29729	2.517	ng	99
87) Benzo(b)fluoranthene	14.84	252	60593	5.422	ng	97
88) Benzo(k)fluoranthene	14.84	252	60593	5.714	ng	99
89) Benzo(a)pyrene	15.18	252	22562	2.241	ng	# 94

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

```
Data Path : Z:\SV0ASRV\HPCHEM1\BNA_F\DATA\BF100518\
Data File : BF109621.D
Acq On    : 5 Oct 2018 21:03
Operator  : JU/SJ
Sample    : J5255-02
Misc      :
ALS Vial  : 7 Sample Multiplier: 1
```

Quant Time: Oct 06 05:56:56 2018
Quant Method : Z:\SV0ASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 22 13:32:18 2018
Response via : Initial Calibration

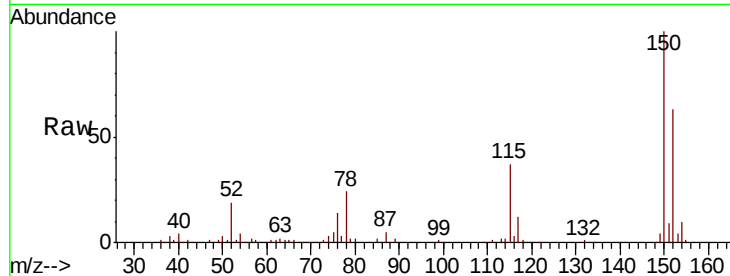


#1

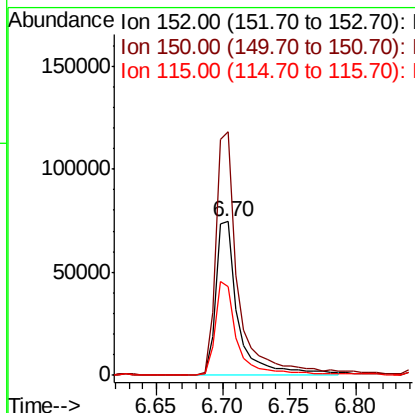
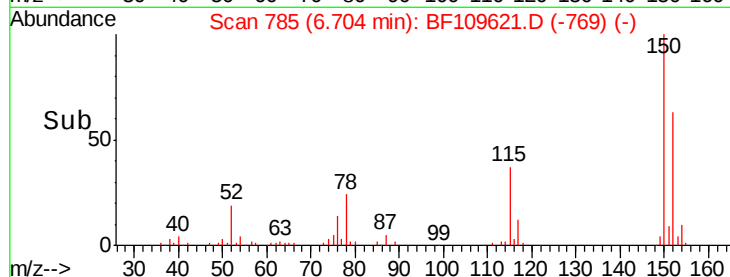
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109621.D
Acq: 5 Oct 2018 21:03

Instrument :
BNA_F
ClientSampleId :
TRACK-D-1

Tgt Ion:152 Resp: 89236
Ion Ratio Lower Upper
152 100
150 158.3 124.6 186.8
115 57.9 50.1 75.1



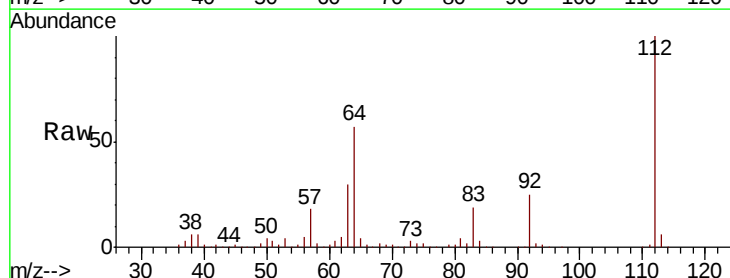
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



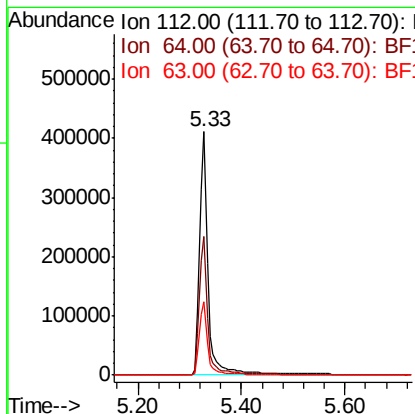
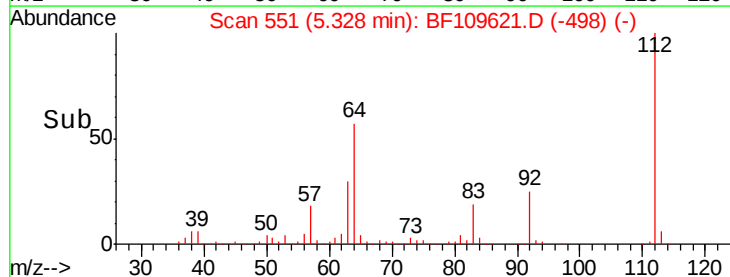
#5

2-Fluorophenol
Concen: 87.136 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF109621.D
Acq: 5 Oct 2018 21:03

Tgt Ion:112 Resp: 472091
Ion Ratio Lower Upper
112 100
64 56.8 47.9 71.9
63 30.0 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: 89.839 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109621.D

Acq: 5 Oct 2018 21:03

Instrument :

BNA_F

ClientSampleId :

TRACK-D-1

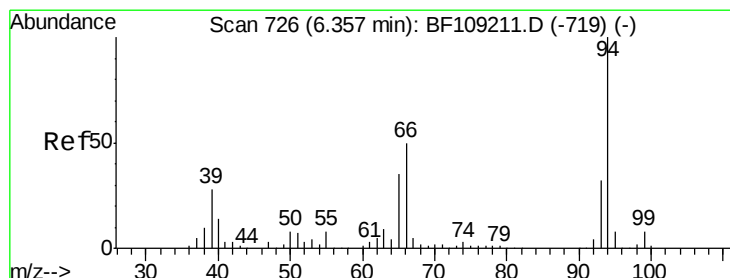
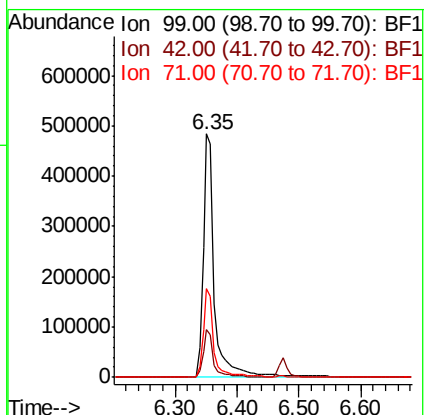
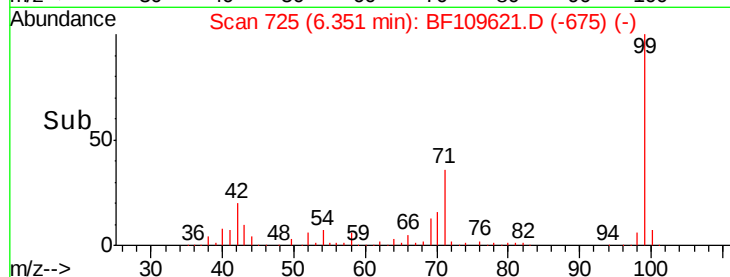
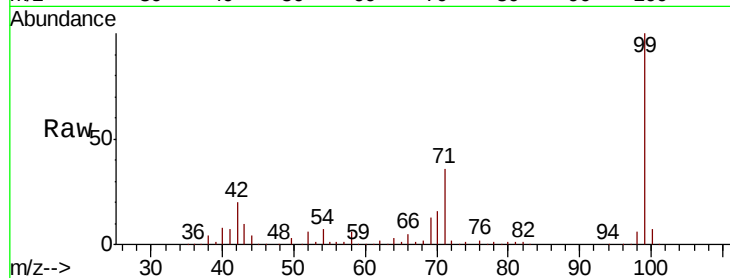
Tgt Ion: 99 Resp: 621089

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 36.3 25.4 38.0



#10

Phenol

Concen: 2.428 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF109621.D

Acq: 5 Oct 2018 21:03

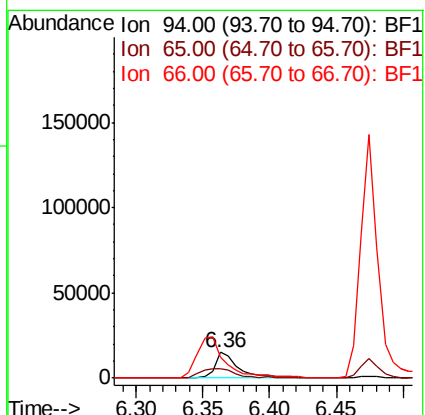
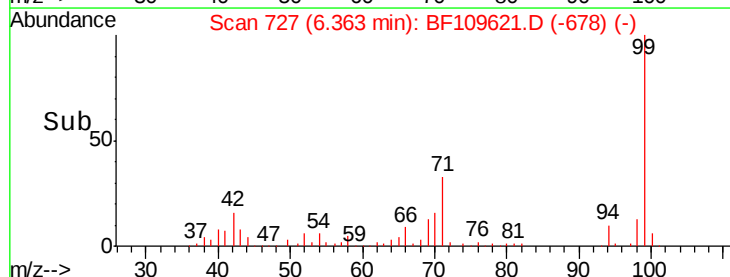
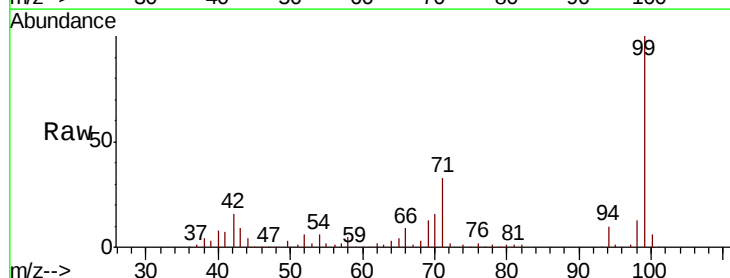
Tgt Ion: 94 Resp: 19006

Ion Ratio Lower Upper

94 100

65 37.9 7.9 47.9

66 82.9 16.2 56.2#

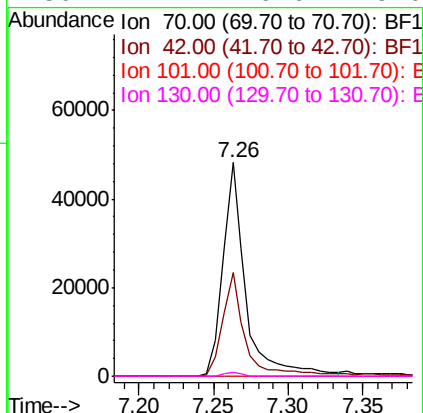
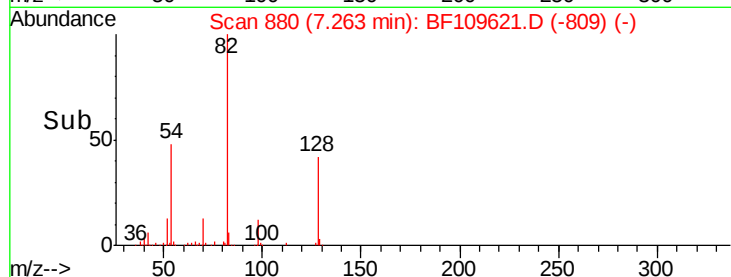
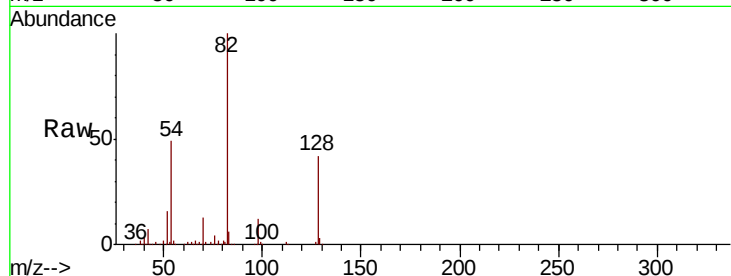




#19
n-Nitroso-di-n-propylamine
Concen: 11.401 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.12 min
Lab File: BF109621.D
Acq: 5 Oct 2018 21:03

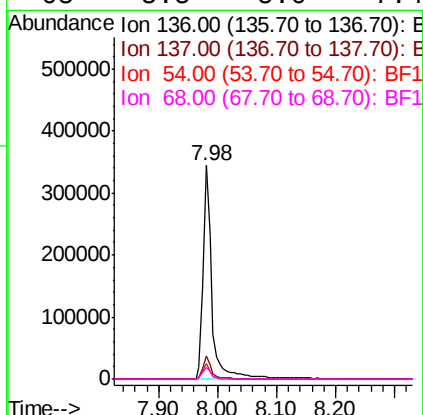
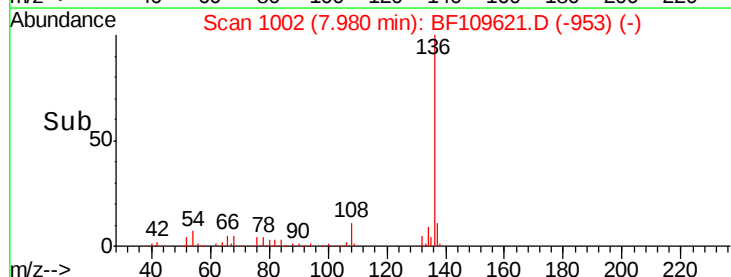
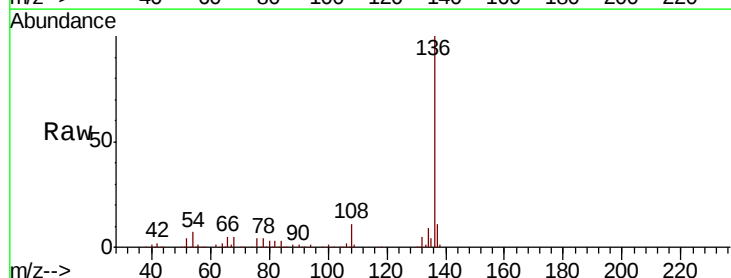
Instrument :
BNA_F
ClientSampleId :
TRACK-D-1

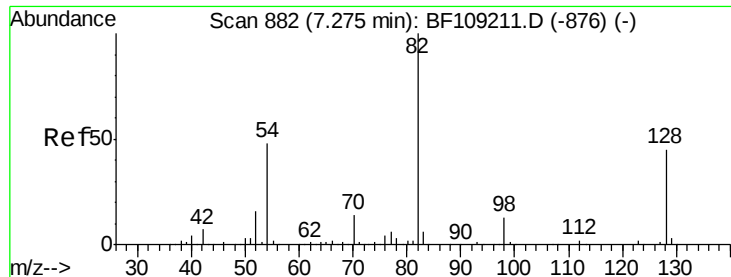
Tgt Ion: 70 Resp: 51648
Ion Ratio Lower Upper
70 100
42 48.8 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF109621.D
Acq: 5 Oct 2018 21:03

Tgt Ion: 136 Resp: 355179
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.1 6.6 9.8
68 5.5 5.0 7.4

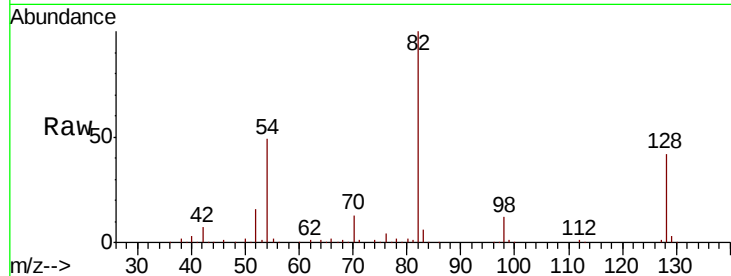




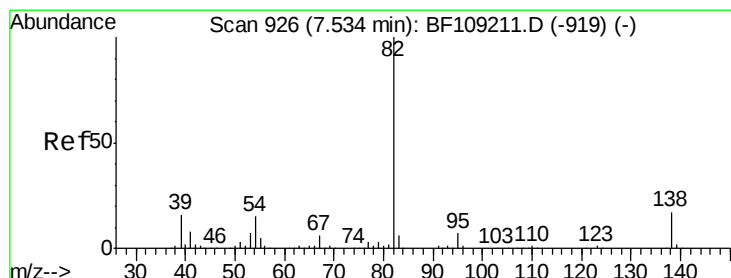
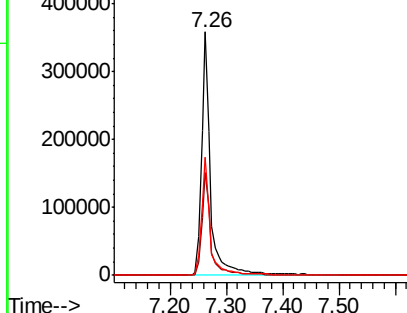
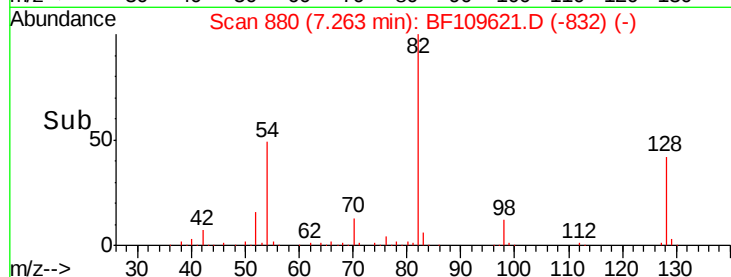
#23
Nitrobenzene-d5
Concen: 67.068 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109621.D
Acq: 5 Oct 2018 21:03

Instrument :
BNA_F
ClientSampleId :
TRACK-D-1

Tgt Ion: 82 Resp: 403531
Ion Ratio Lower Upper
82 100
128 42.1 36.1 54.1
54 48.7 41.4 62.2

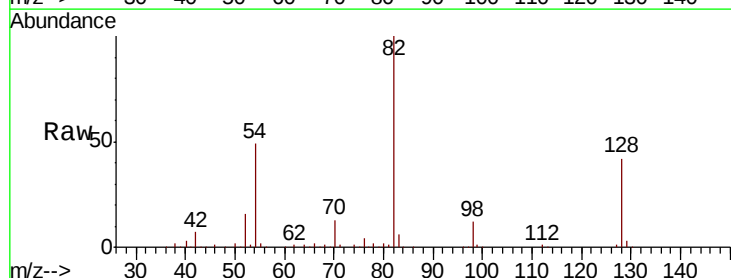


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

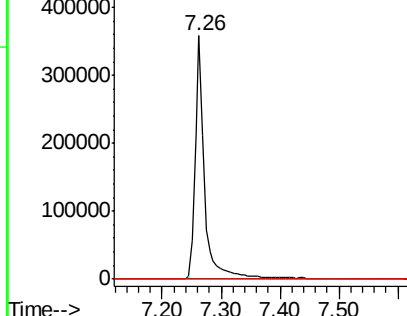
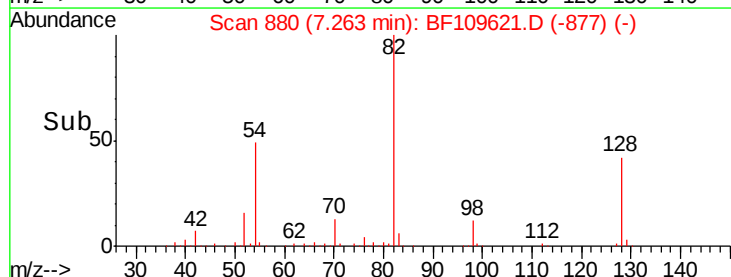


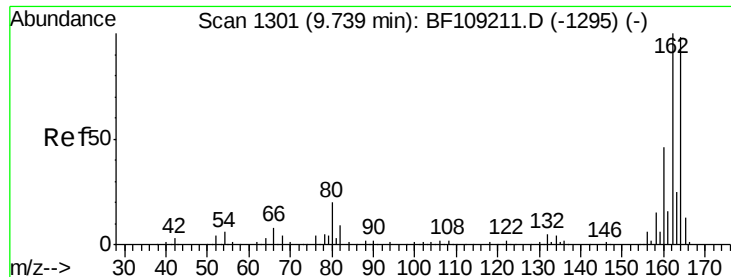
#25
Isophorone
Concen: 36.102 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109621.D
Acq: 5 Oct 2018 21:03

Tgt Ion: 82 Resp: 391153
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF109621.D

Acq: 5 Oct 2018 21:03

Instrument :

BNA_F

ClientSampleId :

TRACK-D-1

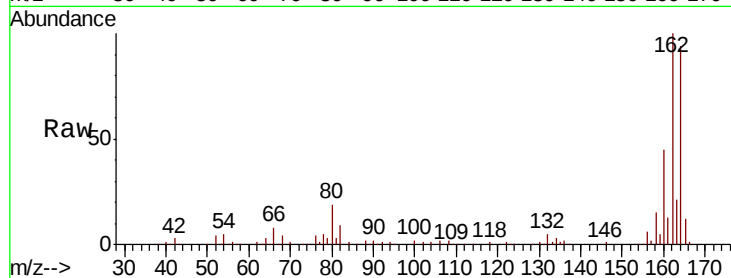
Tgt Ion:164 Resp: 156768

Ion Ratio Lower Upper

164 100

162 106.2 86.1 129.1

160 47.3 38.3 57.5

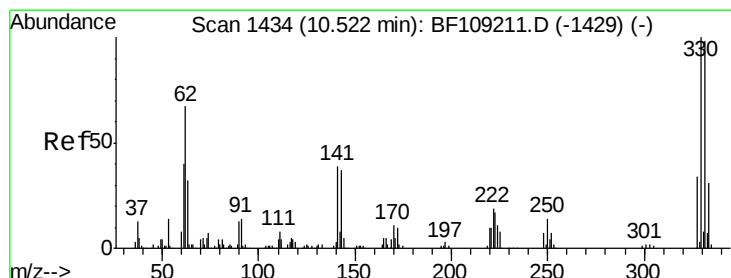
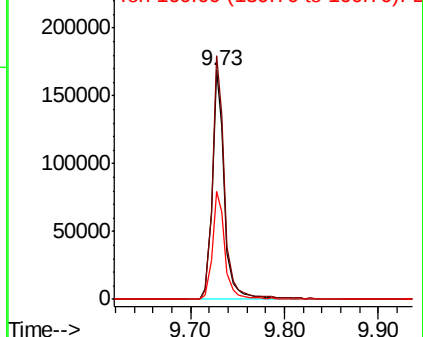
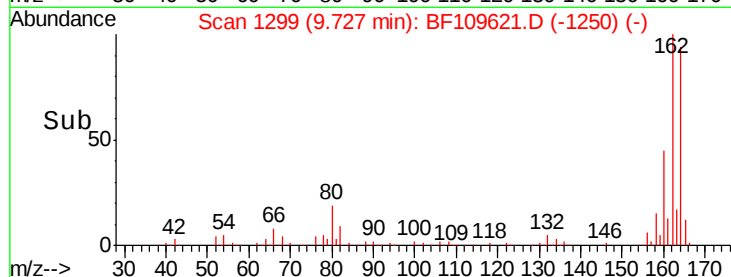


Abundance

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: 87.021 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BF109621.D

Acq: 5 Oct 2018 21:03

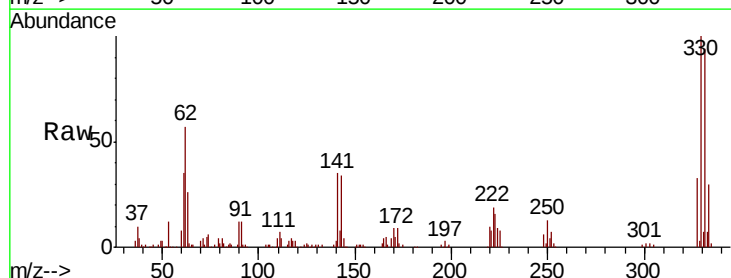
Tgt Ion:330 Resp: 134483

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

141 34.0 29.9 44.9

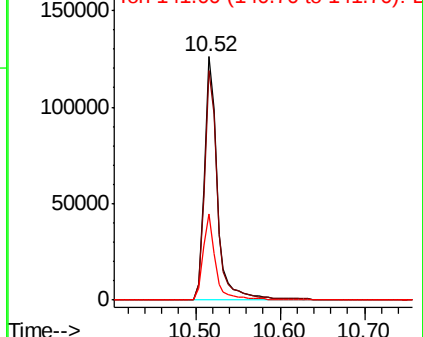
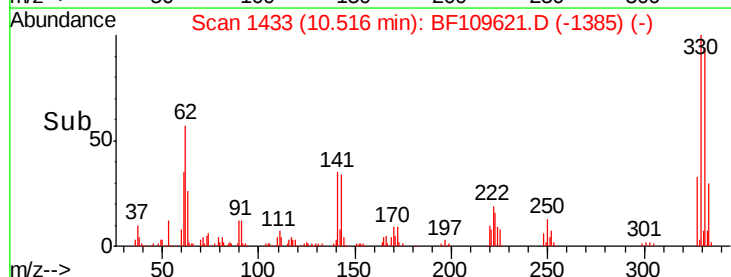


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

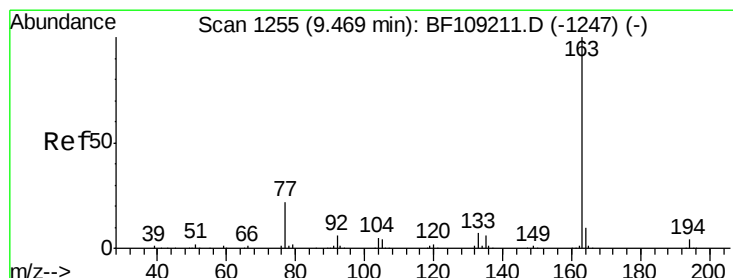
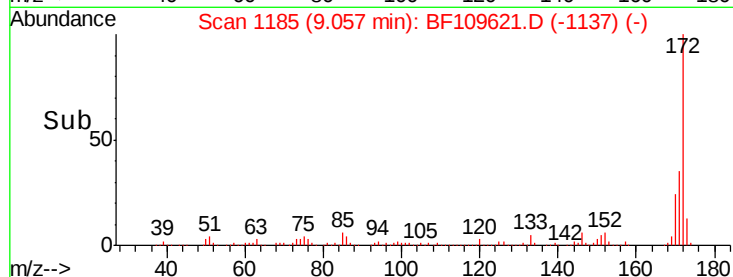
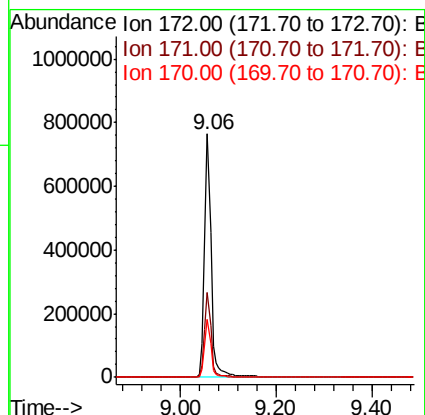
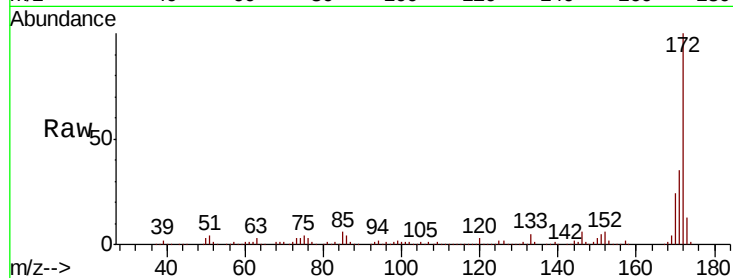




#44
2-Fluorobiphenyl
Concen: 71.000 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF109621.D
Acq: 5 Oct 2018 21:03

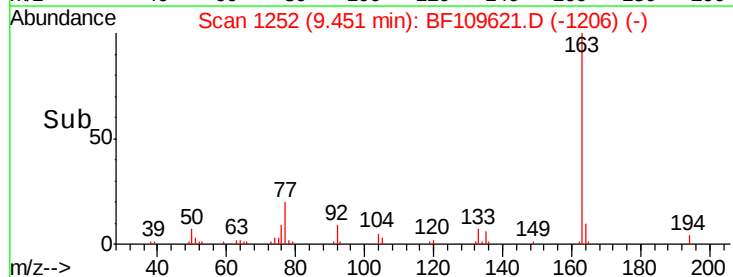
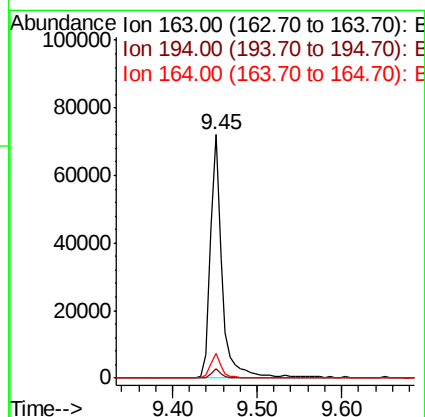
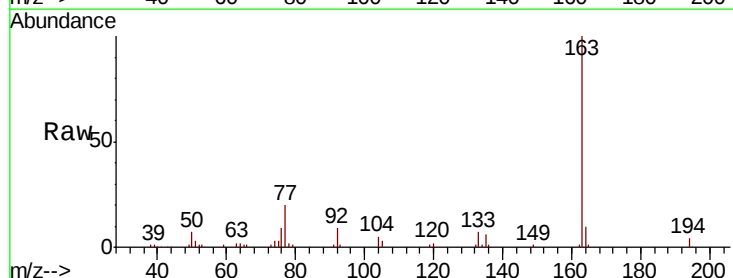
Instrument :
BNA_F
ClientSampleId :
TRACK-D-1

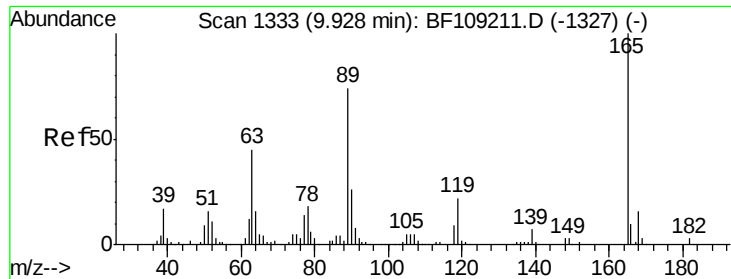
Tgt Ion:172 Resp: 738007
Ion Ratio Lower Upper
172 100
171 35.1 29.7 44.5
170 23.7 19.6 29.4



#49
Dimethylphthalate
Concen: 6.148 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109621.D
Acq: 5 Oct 2018 21:03

Tgt Ion:163 Resp: 70103
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.0 8.2 12.2

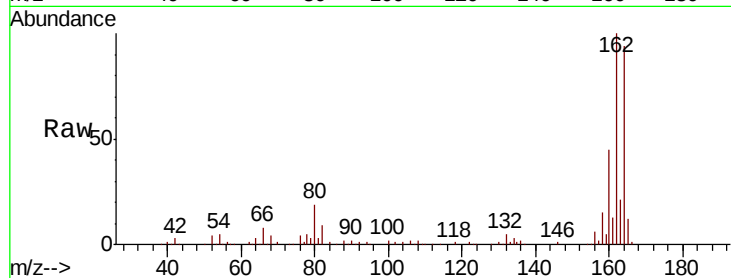




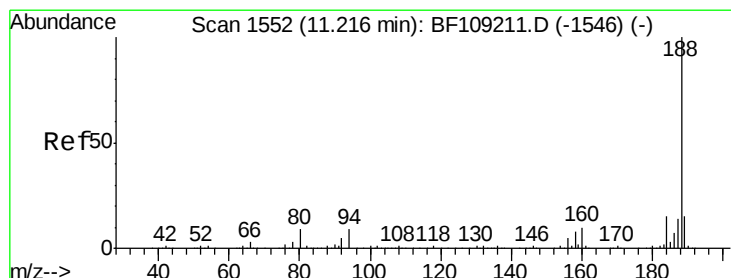
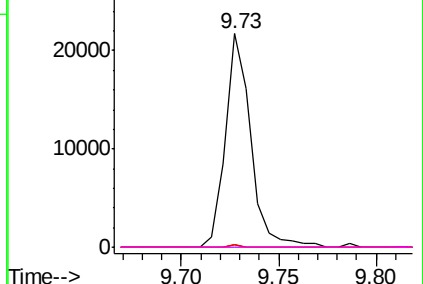
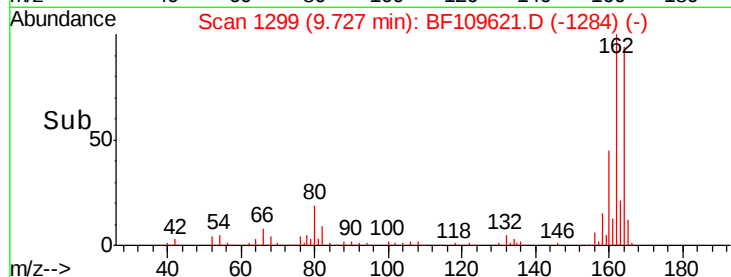
#56
 2,4-Dinitrotoluene
 Concen: 6.870 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.21 min
 Lab File: BF109621.D
 Acq: 5 Oct 2018 21:03

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-1

Tgt Ion:	165	Resp:	19631
Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

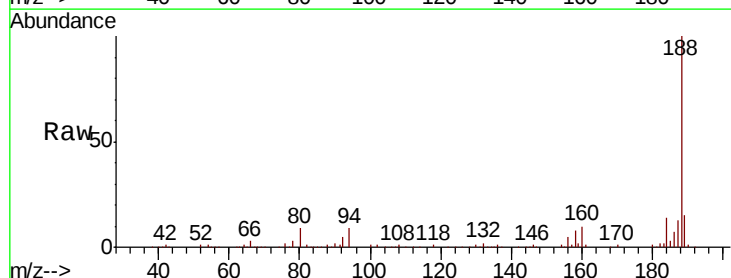


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

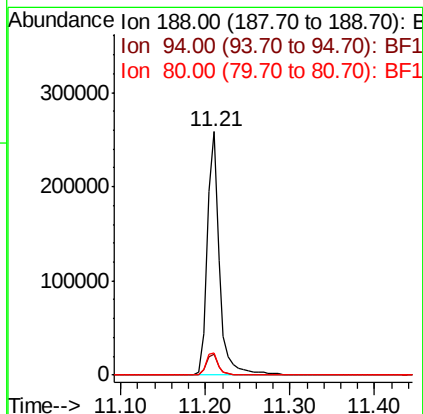
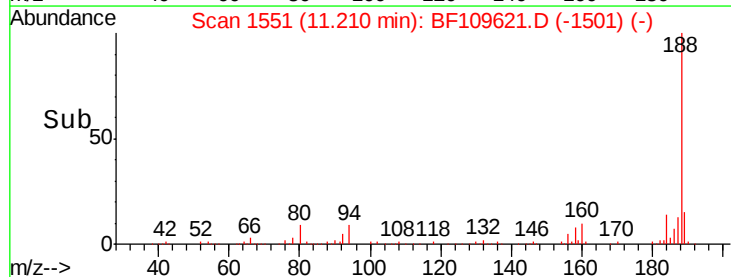


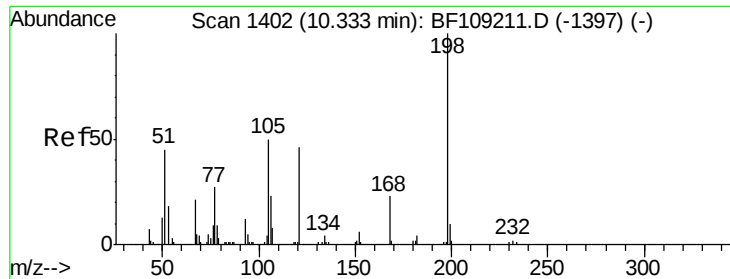
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109621.D
 Acq: 5 Oct 2018 21:03

Tgt Ion:	188	Resp:	259135
Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	9.0	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

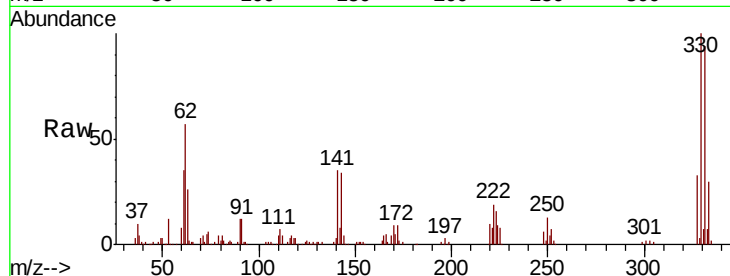




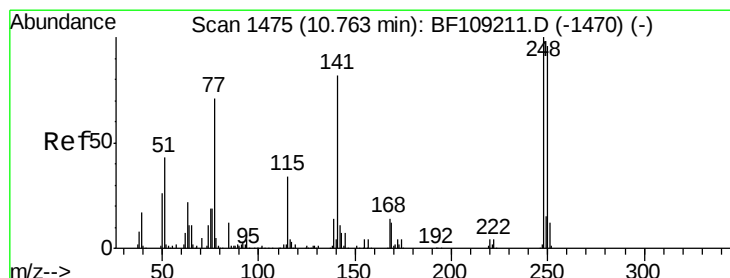
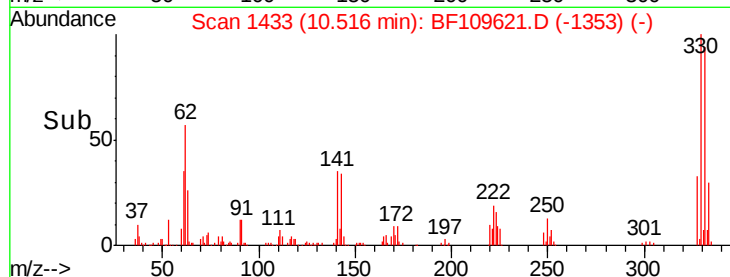
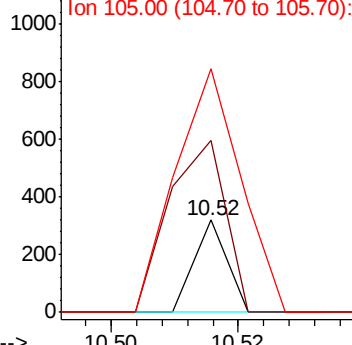
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.614 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.17 min
 Lab File: BF109621.D
 Acq: 5 Oct 2018 21:03

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-1

Tgt Ion:198 Resp: 113
 Ion Ratio Lower Upper
 198 100
 51 187.2 37.7 77.7#
 105 264.4 36.3 76.3#

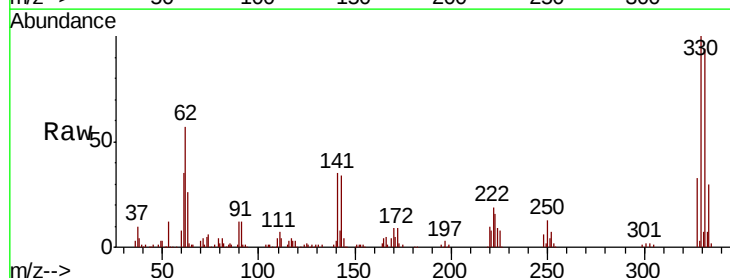


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

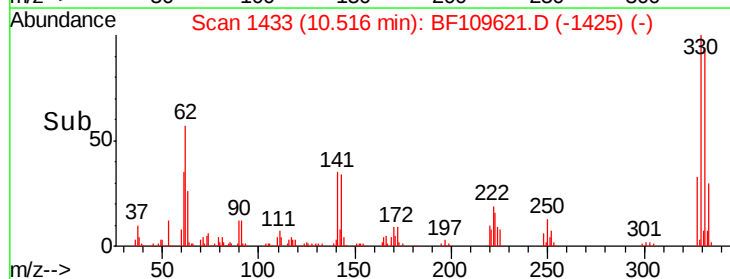
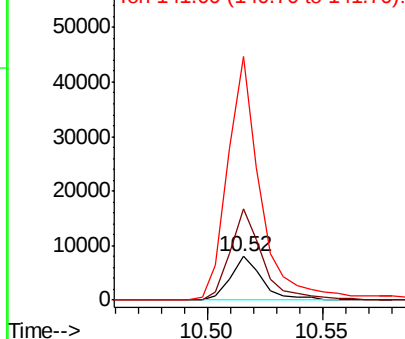


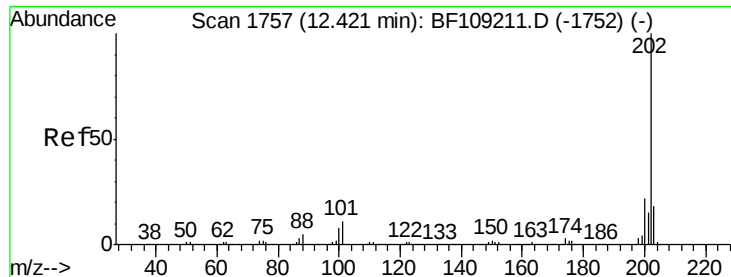
#66
 4-Bromophenyl-phenylether
 Concen: 2.659 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.25 min
 Lab File: BF109621.D
 Acq: 5 Oct 2018 21:03

Tgt Ion:248 Resp: 7652
 Ion Ratio Lower Upper
 248 100
 250 208.8 76.9 115.3#
 141 554.8 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





#74

Fluoranthene

Concen: 2.867 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF109621.D

Acq: 5 Oct 2018 21:03

Instrument :

BNA_F

ClientSampleId :

TRACK-D-1

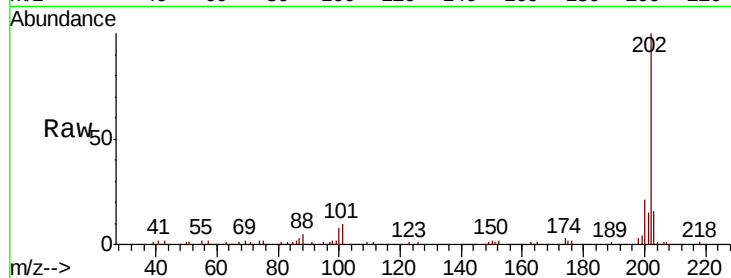
Tgt Ion: 202 Resp: 39645

Ion Ratio Lower Upper

202 100

101 10.2 0.0 34.1

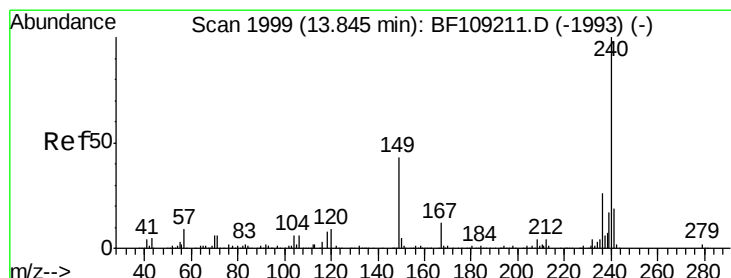
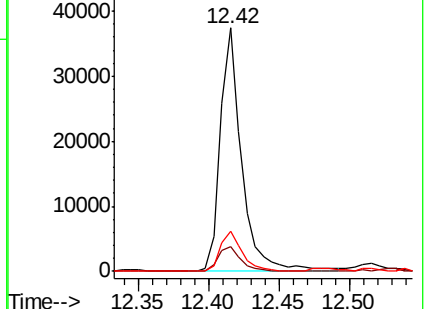
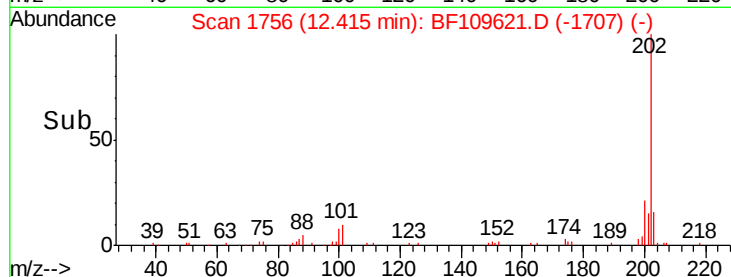
203 16.4 0.0 38.1



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: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF109621.D

Acq: 5 Oct 2018 21:03

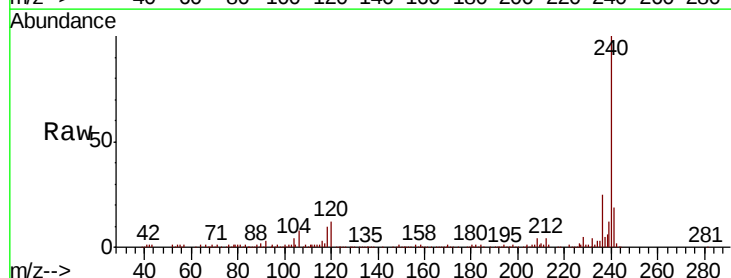
Tgt Ion: 240 Resp: 197863

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

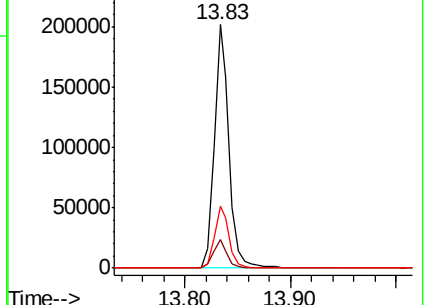
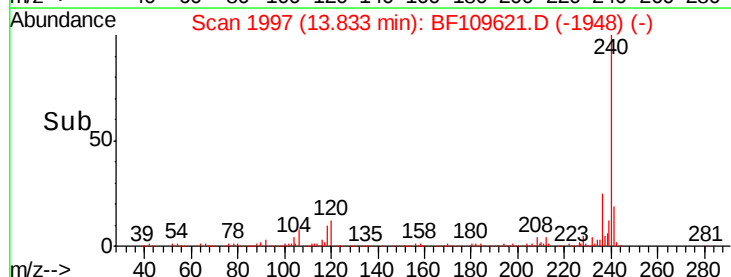
236 25.4 20.7 31.1

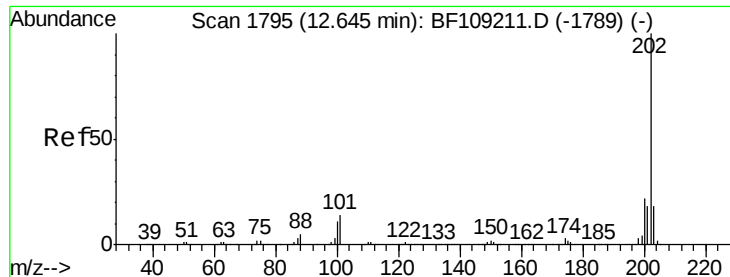


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

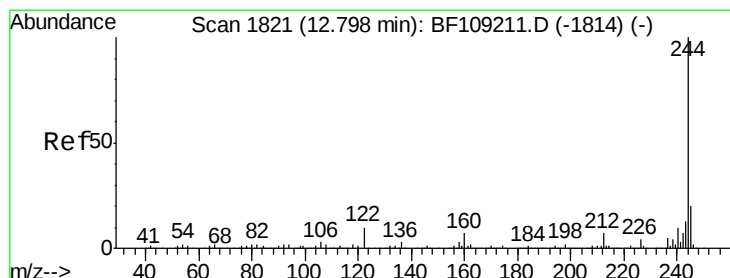
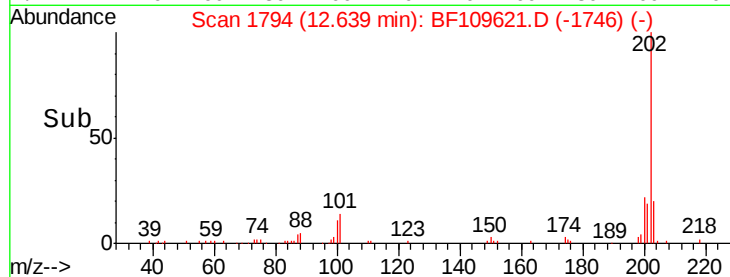
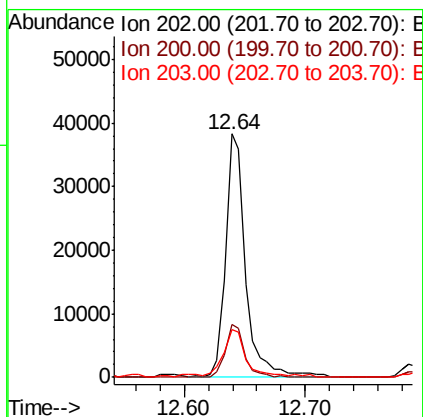
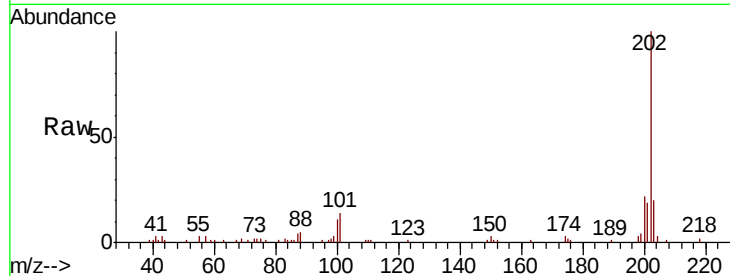




#77
 Pyrene
 Concen: 3.105 ng
 RT: 12.64 min Scan# 1794
 Delta R.T. -0.02 min
 Lab File: BF109621.D
 Acq: 5 Oct 2018 21:03

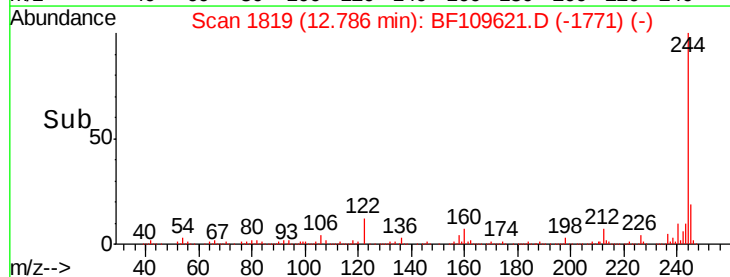
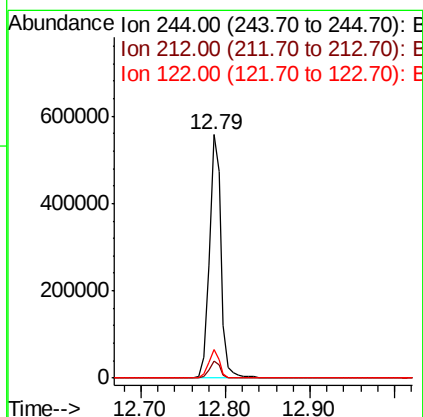
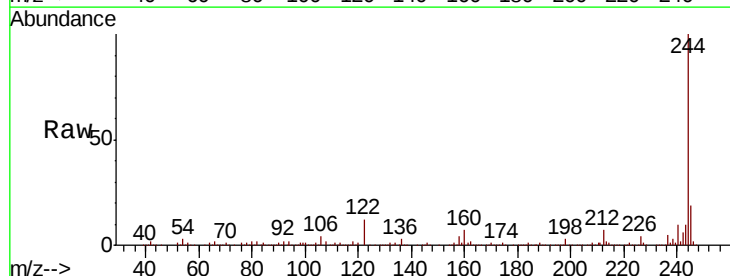
Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-1

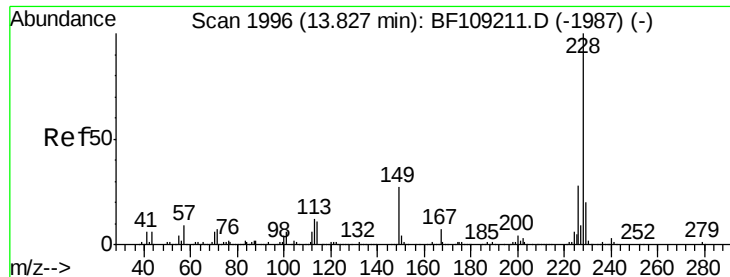
Tgt Ion: 202 Resp: 44030
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.4 26.2
 203 19.6 14.3 21.5



#78
 Terphenyl-d14
 Concen: 66.976 ng
 RT: 12.79 min Scan# 1819
 Delta R.T. -0.02 min
 Lab File: BF109621.D
 Acq: 5 Oct 2018 21:03

Tgt Ion: 244 Resp: 539985
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 11.6 11.0 16.4





#80

Benzo(a)anthracene

Concen: 2.097 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109621.D

Acq: 5 Oct 2018 21:03

Instrument :

BNA_F

ClientSampleId :

TRACK-D-1

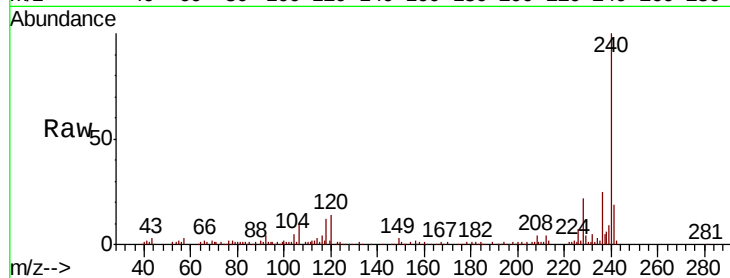
Tgt Ion:228 Resp: 24986

Ion Ratio Lower Upper

228 100

226 31.6 22.6 33.8

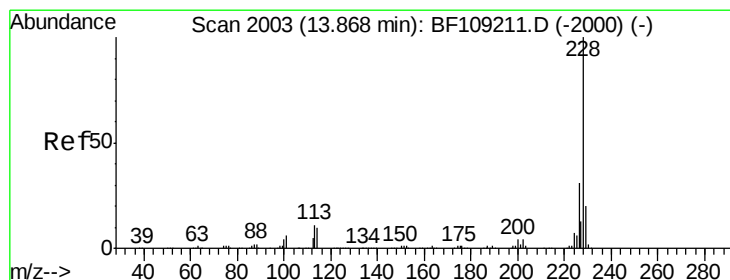
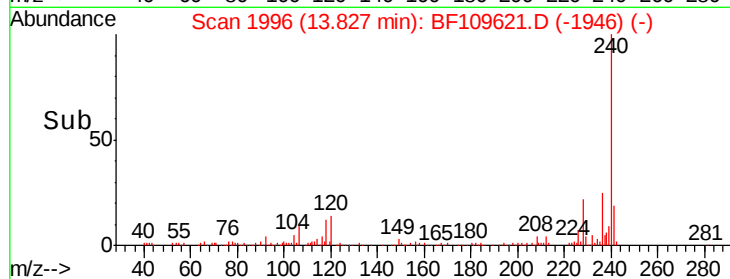
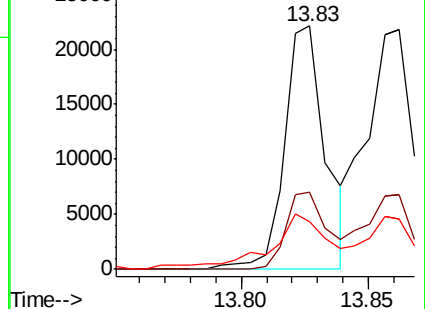
229 19.5 15.8 23.6



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: 2.517 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109621.D

Acq: 5 Oct 2018 21:03

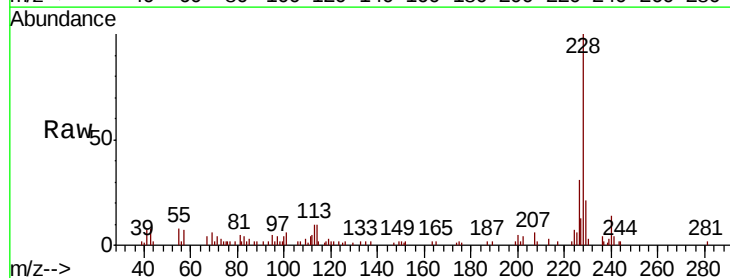
Tgt Ion:228 Resp: 29729

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

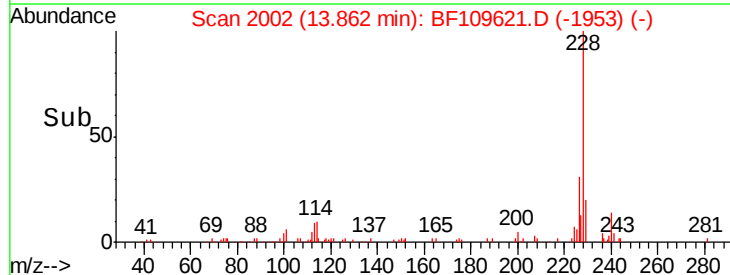
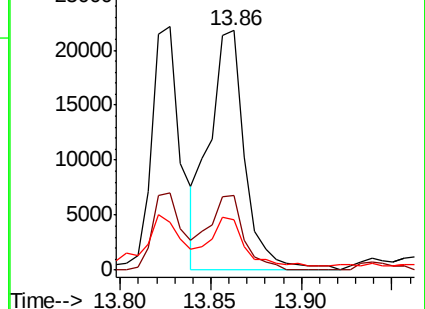
229 21.1 16.2 24.4

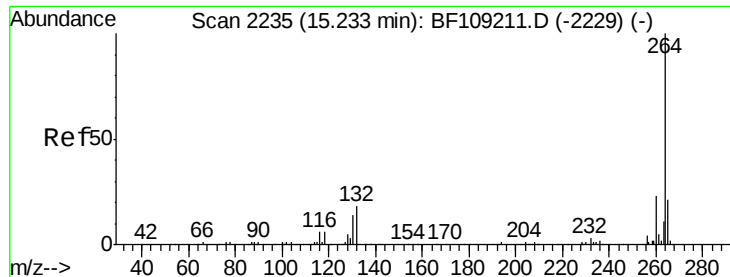


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



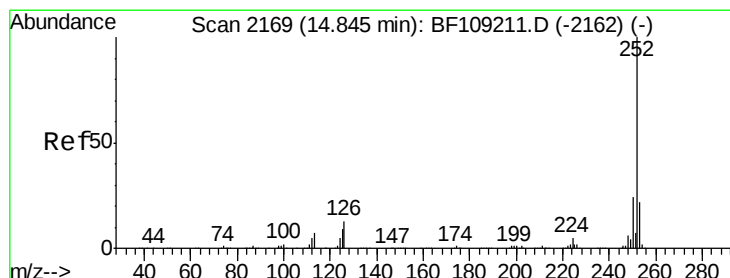
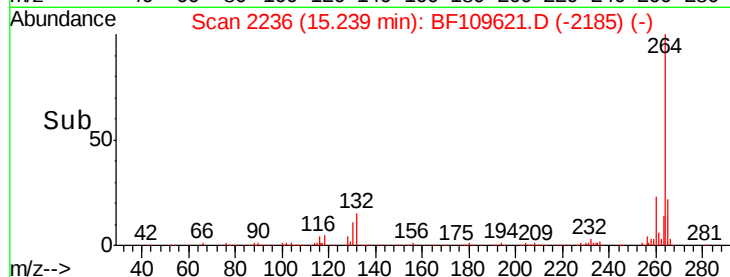
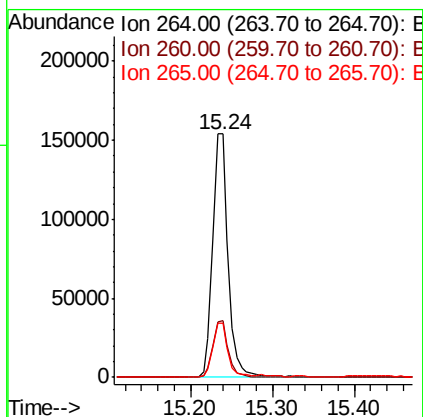
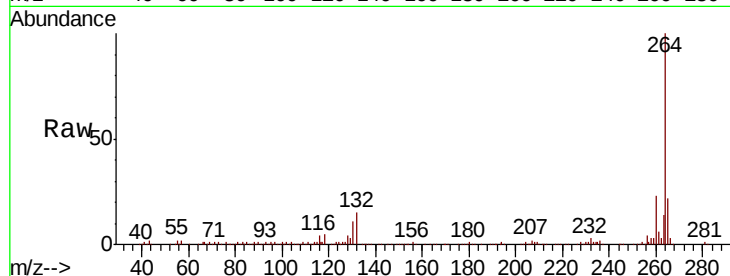


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF109621.D
Acq: 5 Oct 2018 21:03

Instrument :
BNA_F
ClientSampleId :
TRACK-D-1

Tgt Ion: 264 Resp: 203375

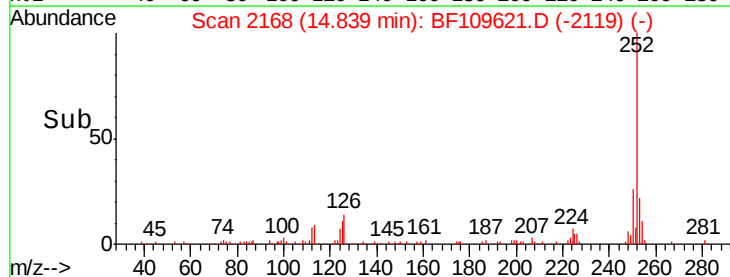
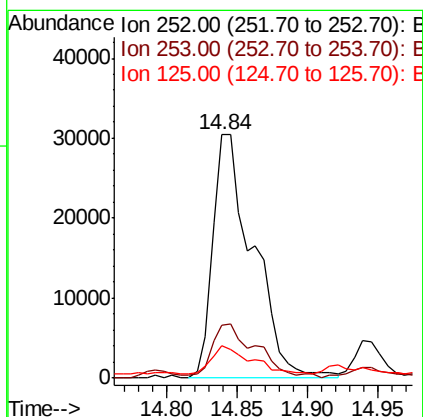
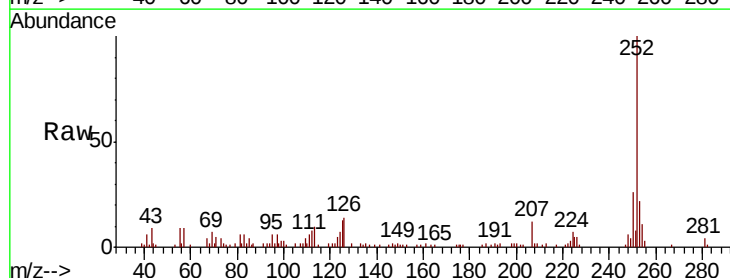
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.0	17.5	26.3

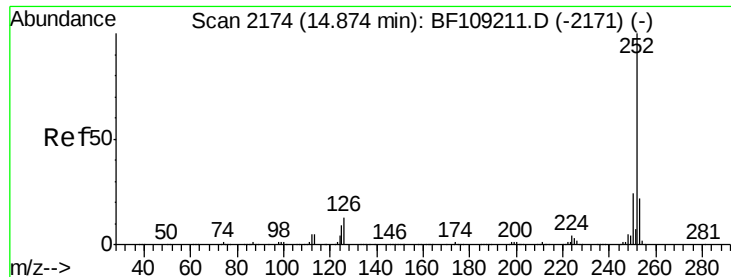


#87
Benzo(b)fluoranthene
Concen: 5.422 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF109621.D
Acq: 5 Oct 2018 21:03

Tgt Ion: 252 Resp: 60593

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	13.2	9.0	13.6

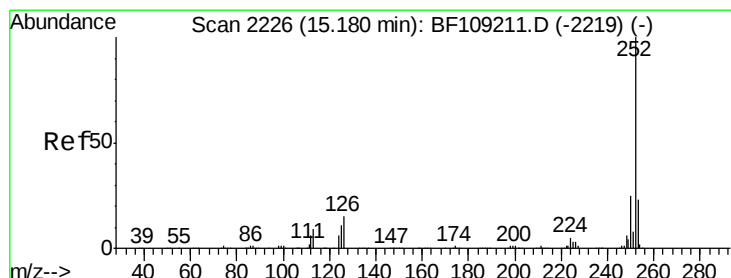
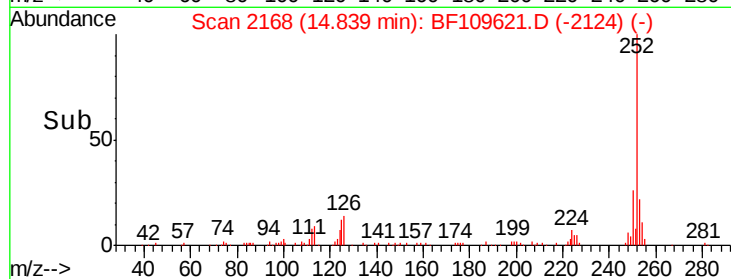
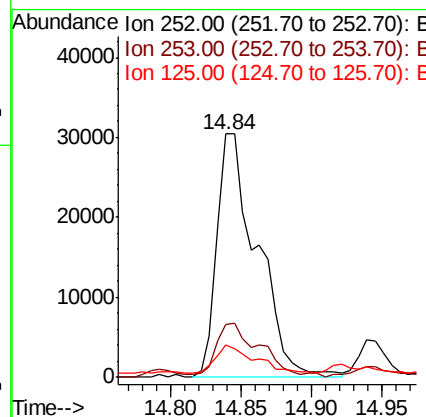
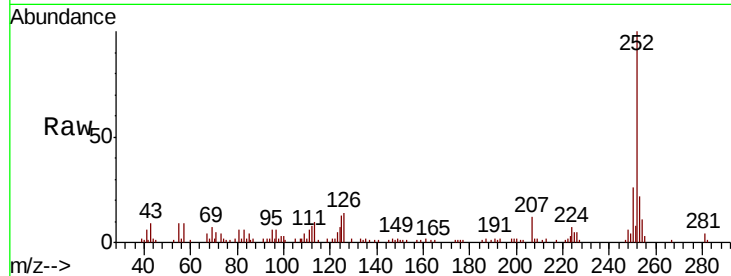




#88
Benzo(k)fluoranthene
Concen: 5.714 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF109621.D
Acq: 5 Oct 2018 21:03

Instrument :
BNA_F
ClientSampleId :
TRACK-D-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	13.2	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.241 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF109621.D
Acq: 5 Oct 2018 21:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	15.0	9.8	14.6#

