

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100518\
 Data File : BF109630.D
 Acq On : 6 Oct 2018 1:17
 Operator : JU/SJ
 Sample : J5263-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID18-COMP-100318

Quant Time: Oct 06 05:58:57 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	89739	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	333470	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	133603	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	219514	20.00	ng	0.00
75) Chrysene-d12	13.83	240	226819	20.00	ng	-0.01
86) Perylene-d12	15.23	264	197092	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	458288	84.11	ng	0.01
7) Phenol-d6	6.35	99	608404	87.51	ng	0.00
23) Nitrobenzene-d5	7.26	82	383237	67.84	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	114482	86.92	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	563235	63.58	ng	-0.02
78) Terphenyl-d14	12.79	244	466281	50.45	ng	-0.02

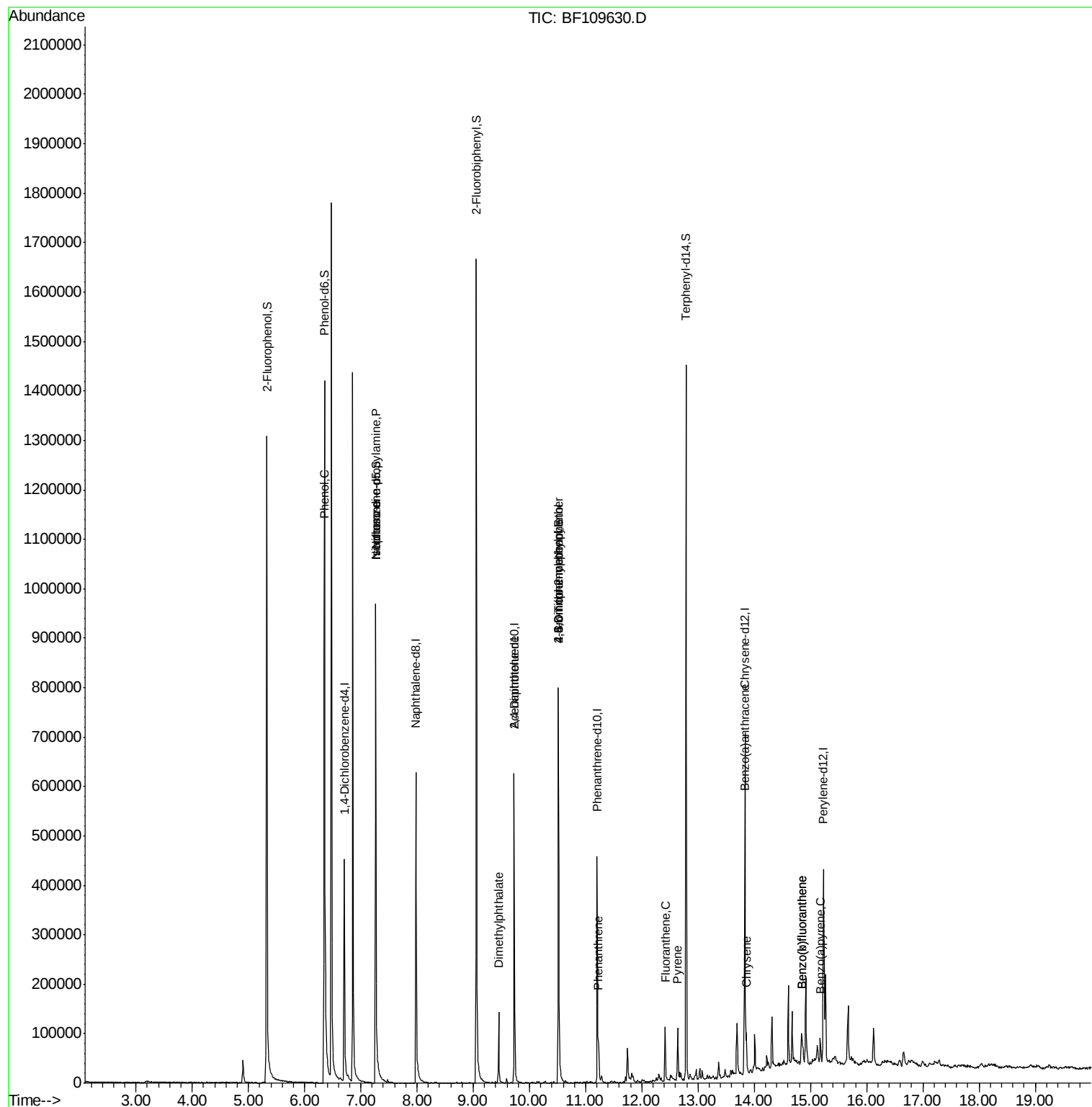
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.36	94	30657	3.894	ng	# 72
19) n-Nitroso-di-n-propylamine	7.26	70	50966	11.188	ng	# 79
25) Isophorone	7.26	82	372536	36.622	ng	# 64
49) Dimethylphthalate	9.45	163	70561	7.261	ng	99
56) 2,4-Dinitrotoluene	9.73	165	16342	6.711	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	106	6.624	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	6551	2.687	ng	# 1
70) Phenanthrene	11.23	178	31352	2.861	ng	100
74) Fluoranthene	12.42	202	54979	4.694	ng	97
77) Pyrene	12.64	202	47682	2.933	ng	97
80) Benzo(a)anthracene	13.82	228	33724	2.468	ng	93
82) Chrysene	13.86	228	28983	2.140	ng	97
87) Benzo(b)fluoranthene	14.84	252	42078	3.885	ng	98
88) Benzo(k)fluoranthene	14.84	252	42078	4.094	ng	98
89) Benzo(a)pyrene	15.17	252	22291	2.284	ng	94

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

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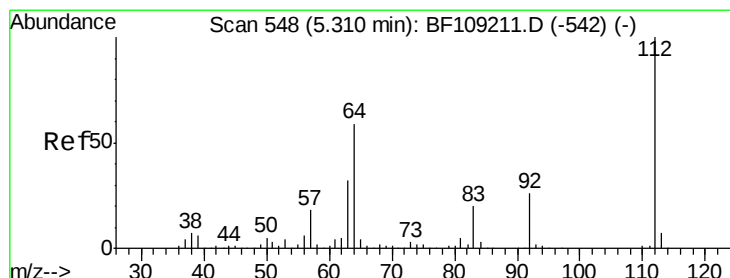
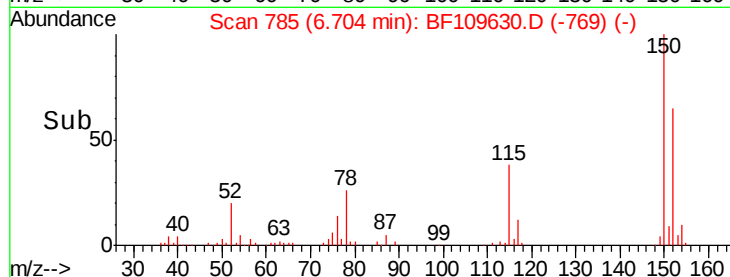
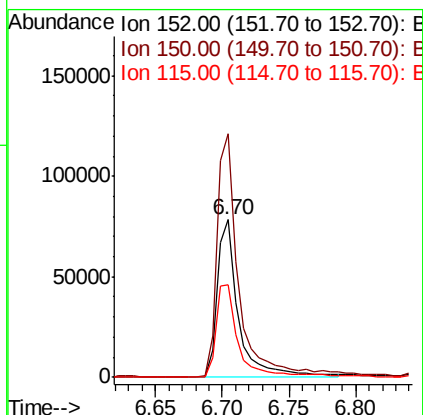
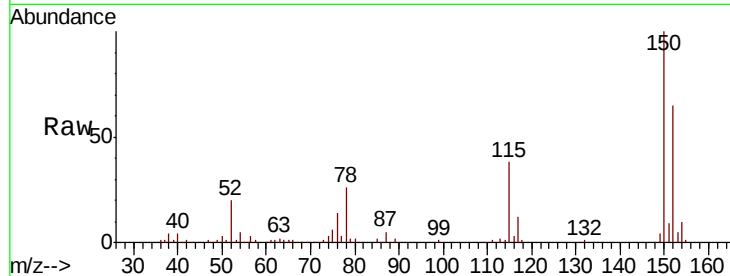




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF109630.D
 Acq: 6 Oct 2018 1:17

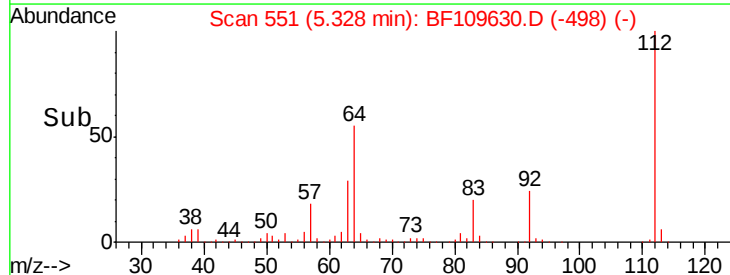
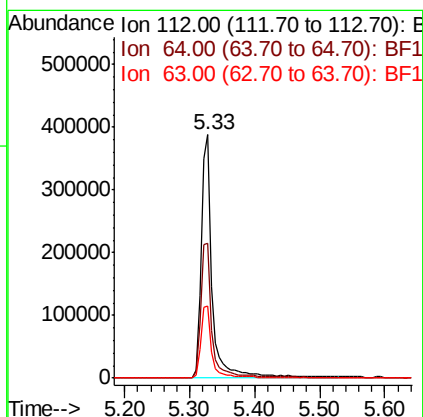
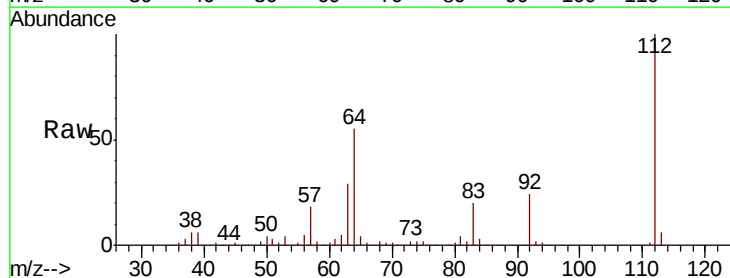
Instrument :
 BNA_F
 ClientSampleId :
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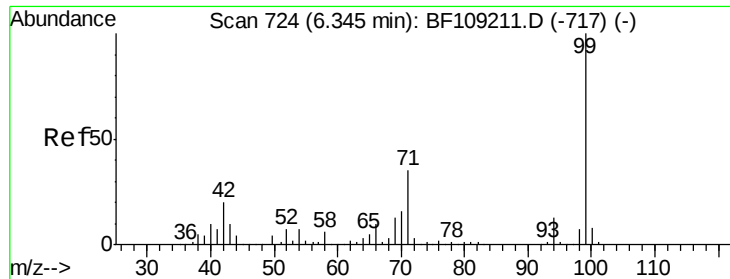
Tgt Ion:152 Resp: 89739
 Ion Ratio Lower Upper
 152 100
 150 154.3 124.6 186.8
 115 58.5 50.1 75.1



#5
 2-Fluorophenol
 Concen: 84.115 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF109630.D
 Acq: 6 Oct 2018 1:17

Tgt Ion:112 Resp: 458288
 Ion Ratio Lower Upper
 112 100
 64 55.5 47.9 71.9
 63 29.4 23.7 35.5





#7

Phenol-d6

Concen: 87.511 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109630.D

Acq: 6 Oct 2018 1:17

Instrument :

BNA_F

ClientSampleId :

GRID18-COMP-100318

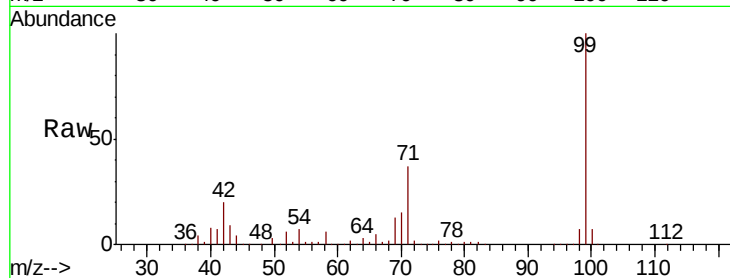
Tgt Ion: 99 Resp: 608404

Ion Ratio Lower Upper

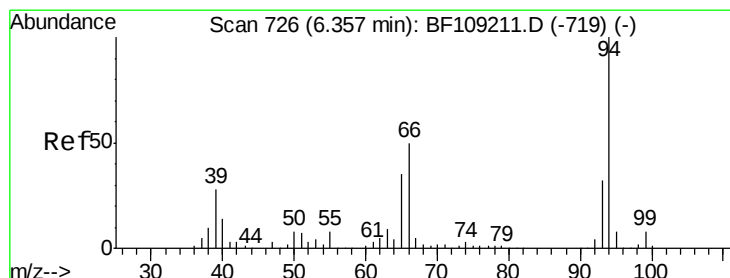
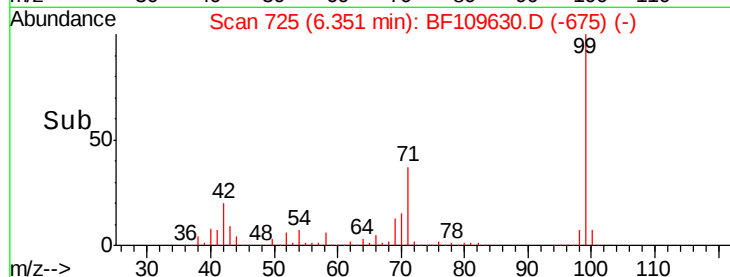
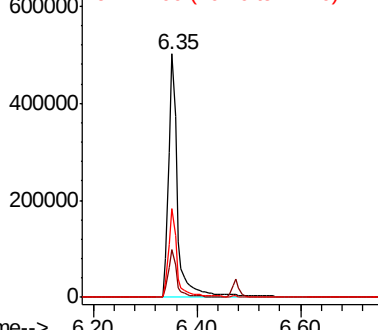
99 100

42 19.6 14.5 21.7

71 36.7 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: 3.894 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF109630.D

Acq: 6 Oct 2018 1:17

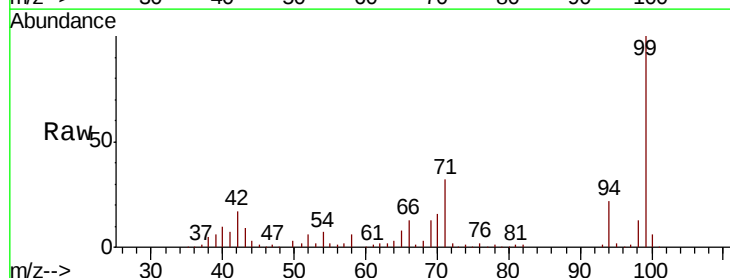
Tgt Ion: 94 Resp: 30657

Ion Ratio Lower Upper

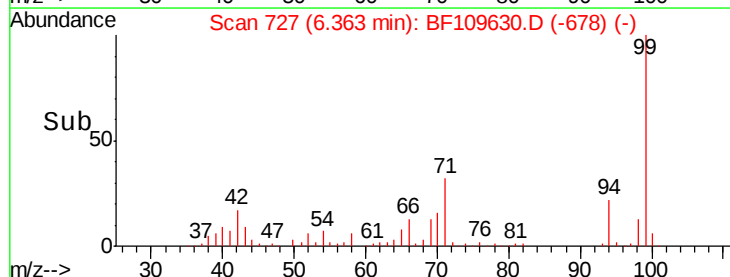
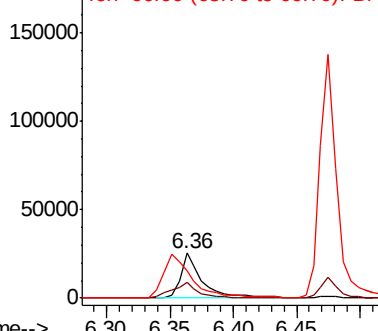
94 100

65 35.1 7.9 47.9

66 59.7 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

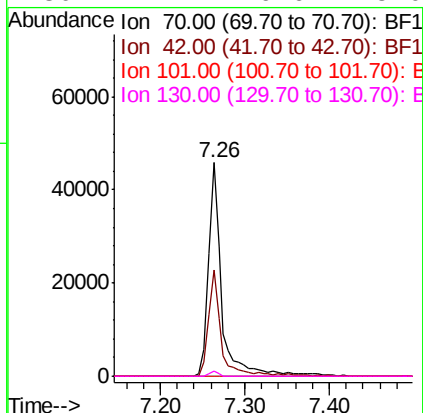
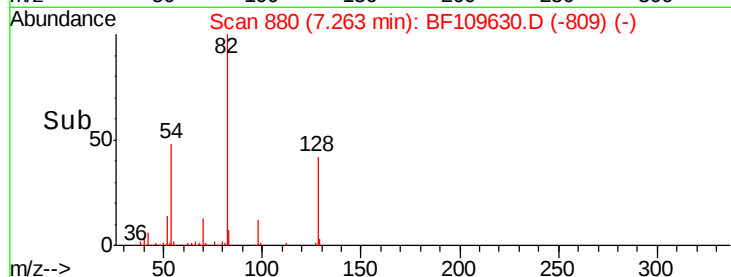
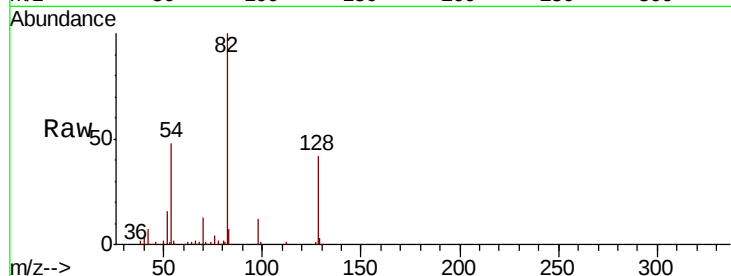




#19
n-Nitroso-di-n-propylamine
Concen: 11.188 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.12 min
Lab File: BF109630.D
Acq: 6 Oct 2018 1:17

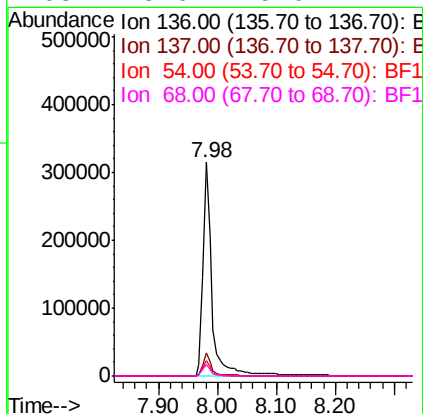
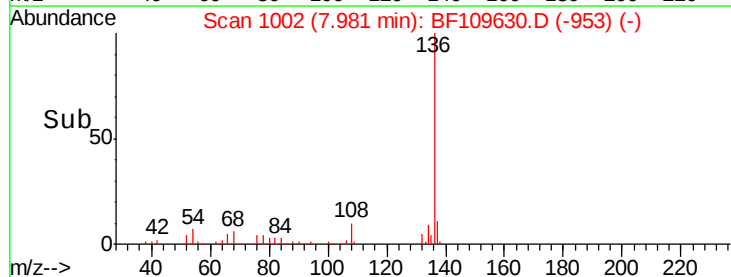
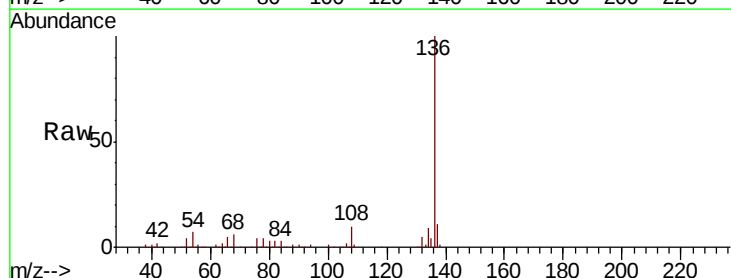
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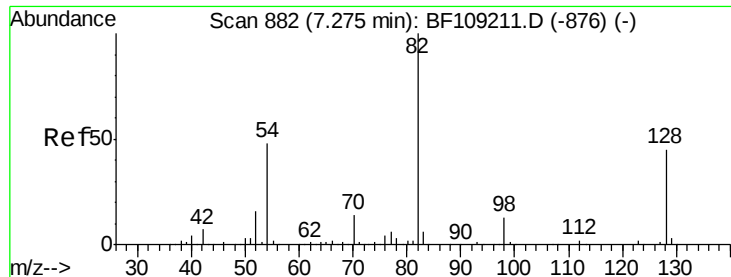
Tgt Ion: 70 Resp: 50966
Ion Ratio Lower Upper
70 100
42 49.7 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF109630.D
Acq: 6 Oct 2018 1:17

Tgt Ion: 136 Resp: 333470
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.9 6.6 9.8
68 5.6 5.0 7.4

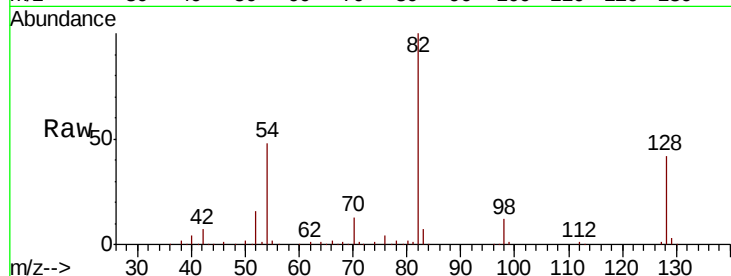




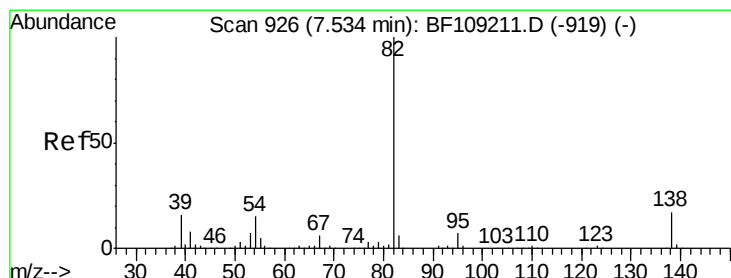
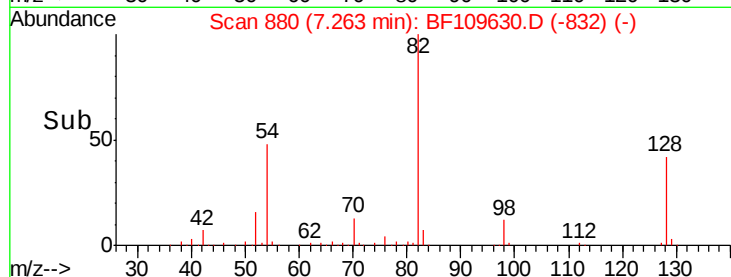
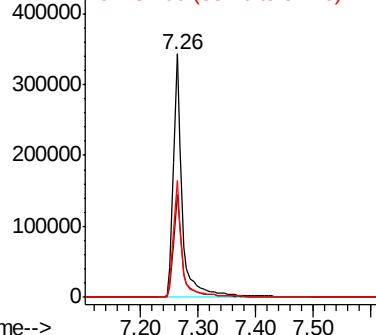
#23
Nitrobenzene-d5
Concen: 67.841 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109630.D
Acq: 6 Oct 2018 1:17

Instrument :
BNA_F
ClientSampleId :
GRID18-COMP-100318

Tgt Ion: 82 Resp: 383237
Ion Ratio Lower Upper
82 100
128 42.1 36.1 54.1
54 48.2 41.4 62.2

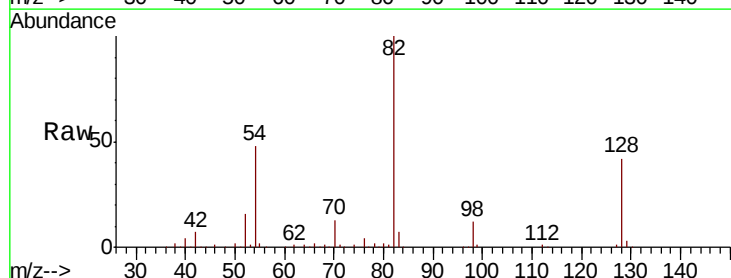


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

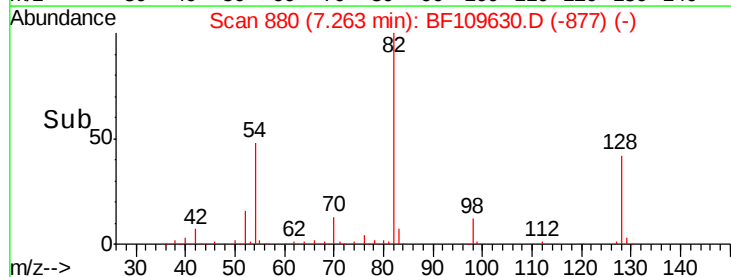
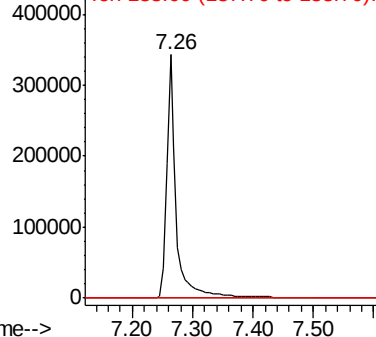


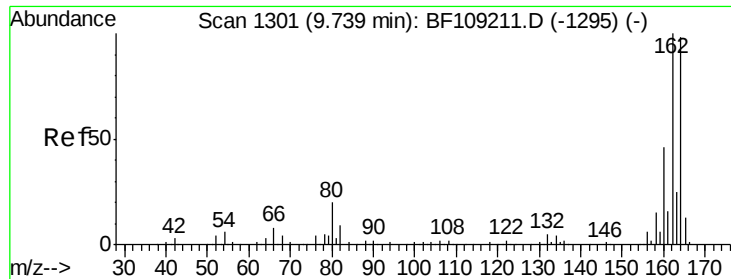
#25
Isophorone
Concen: 36.622 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109630.D
Acq: 6 Oct 2018 1:17

Tgt Ion: 82 Resp: 372536
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: BF109630.D

Acq: 6 Oct 2018 1:17

Instrument :

BNA_F

ClientSampleId :

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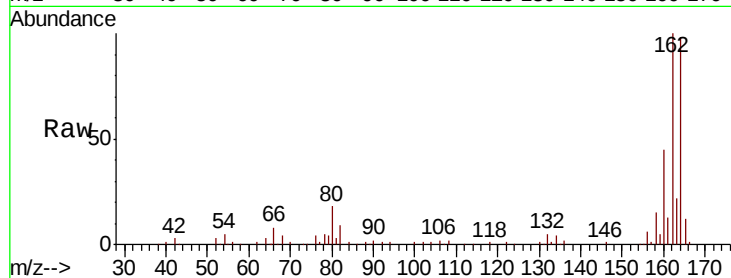
Tgt Ion:164 Resp: 133603

Ion Ratio Lower Upper

164 100

162 102.2 86.1 129.1

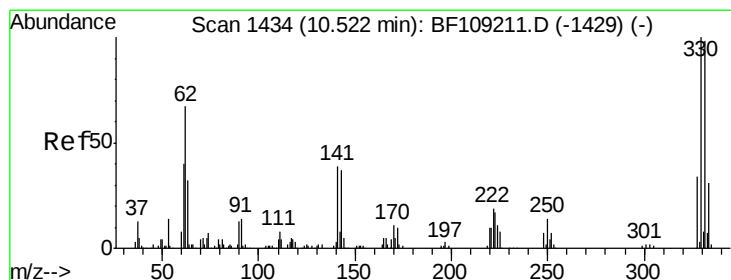
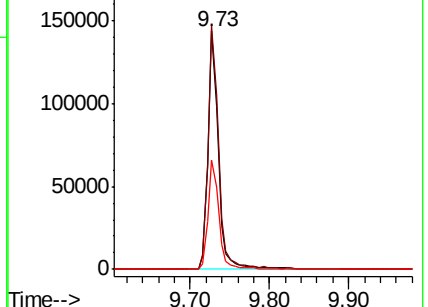
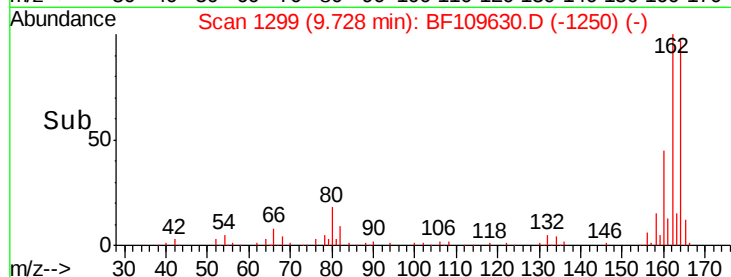
160 45.8 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 86.923 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BF109630.D

Acq: 6 Oct 2018 1:17

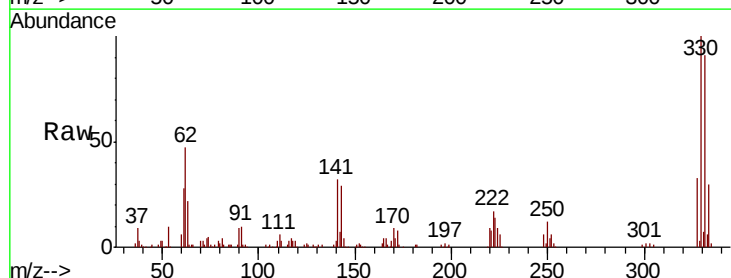
Tgt Ion:330 Resp: 114482

Ion Ratio Lower Upper

330 100

332 93.1 77.0 115.6

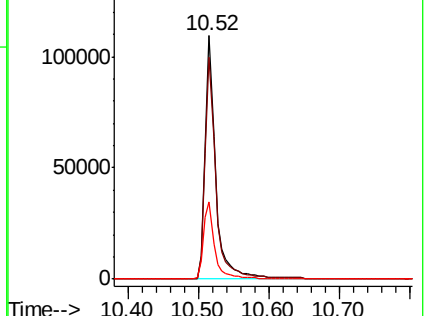
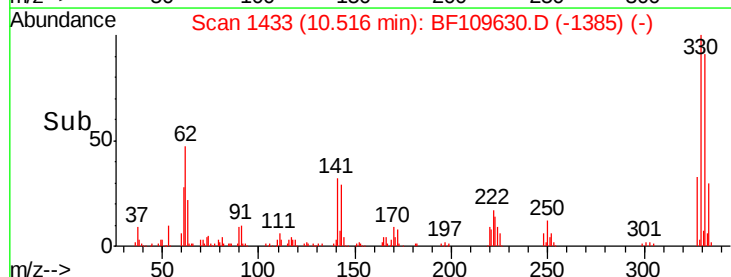
141 33.4 29.9 44.9



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

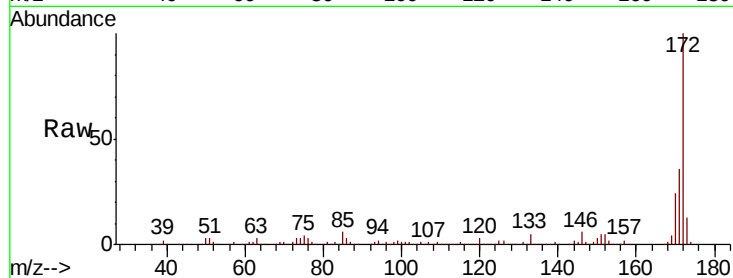




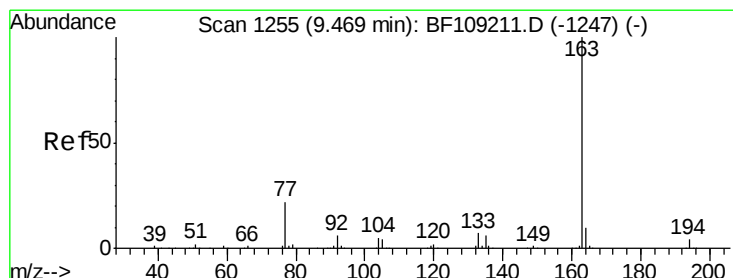
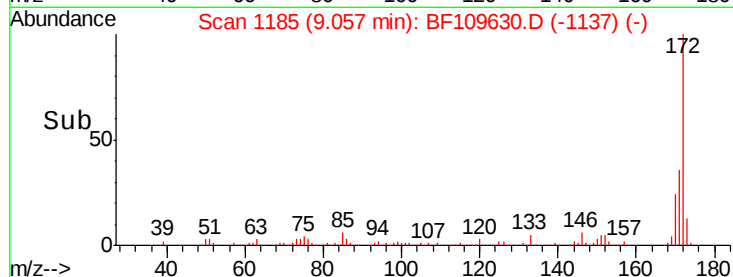
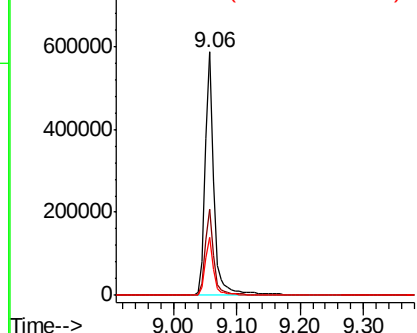
#44
2-Fluorobiphenyl
Concen: 63.581 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF109630.D
Acq: 6 Oct 2018 1:17

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Tgt Ion:172 Resp: 563235
Ion Ratio Lower Upper
172 100
171 35.6 29.7 44.5
170 23.9 19.6 29.4

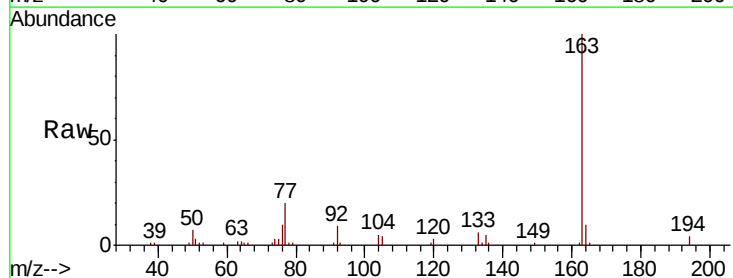


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

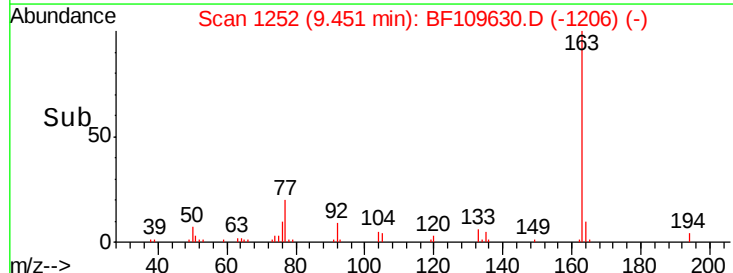
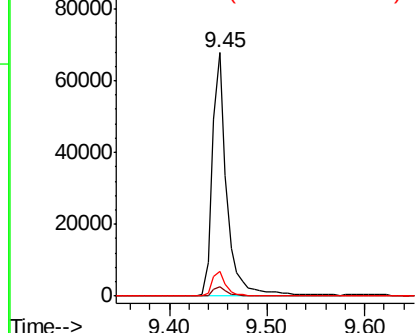


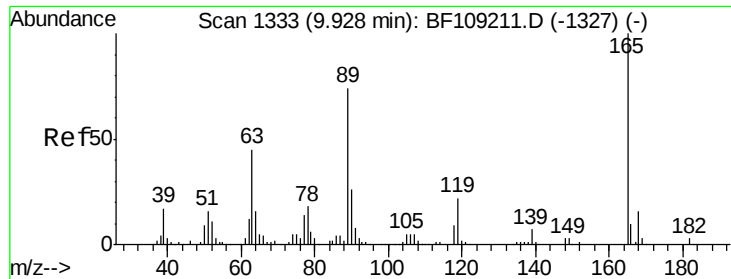
#49
Dimethylphthalate
Concen: 7.261 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109630.D
Acq: 6 Oct 2018 1:17

Tgt Ion:163 Resp: 70561
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.1 8.2 12.2



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

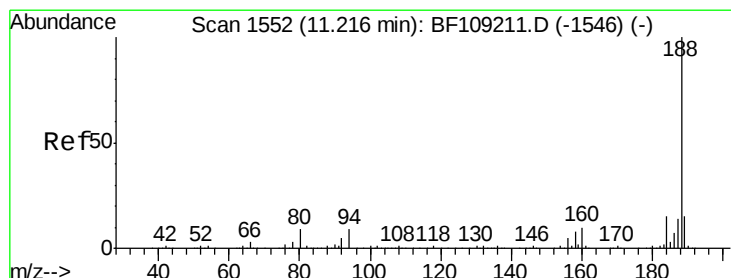
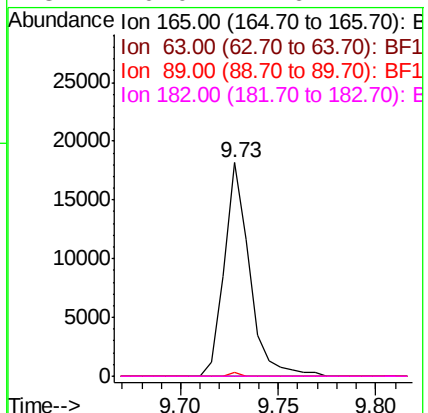
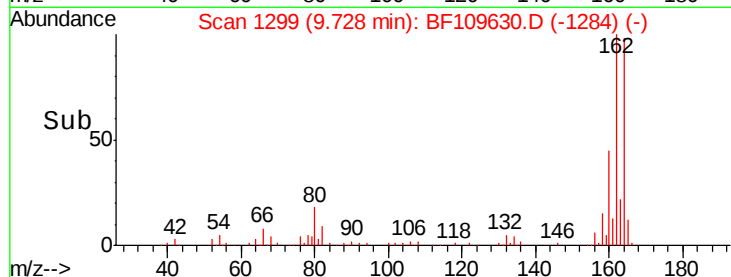
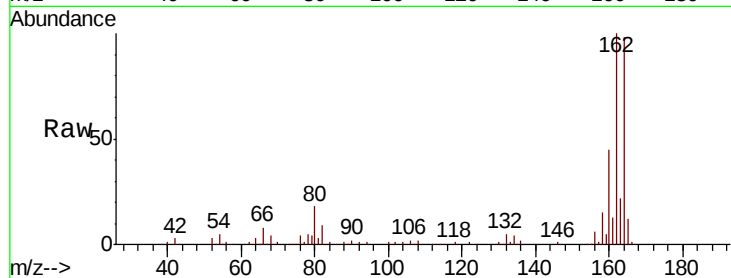




#56
 2,4-Dinitrotoluene
 Concen: 6.711 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.21 min
 Lab File: BF109630.D
 Acq: 6 Oct 2018 1:17

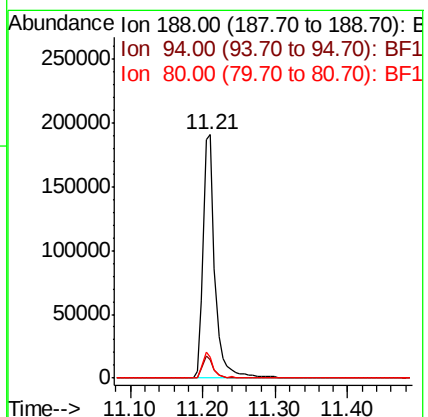
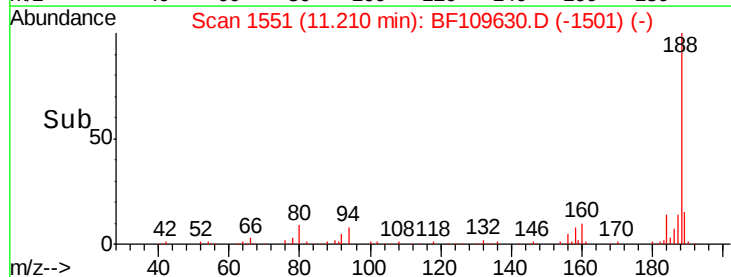
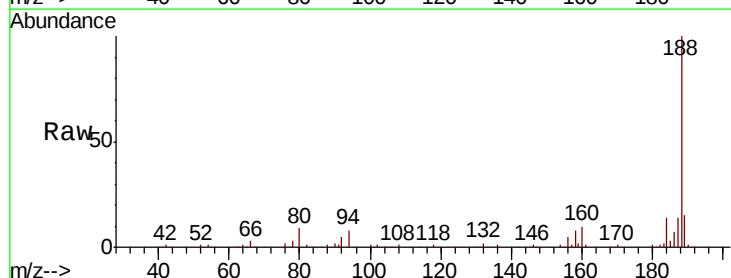
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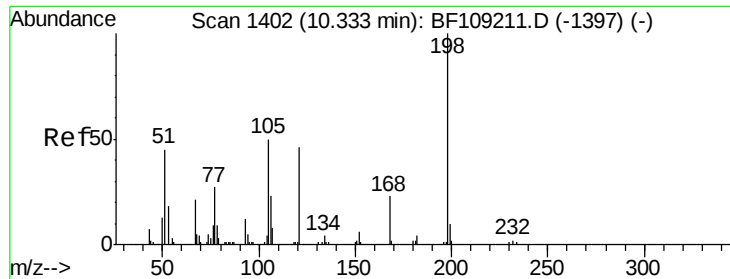
Tgt Ion:	165	Resp:	16342
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109630.D
 Acq: 6 Oct 2018 1:17

Tgt Ion:	188	Resp:	219514
Ion	Ratio	Lower	Upper
188	100		
94	7.7	8.5	12.7#
80	8.6	9.2	13.8#

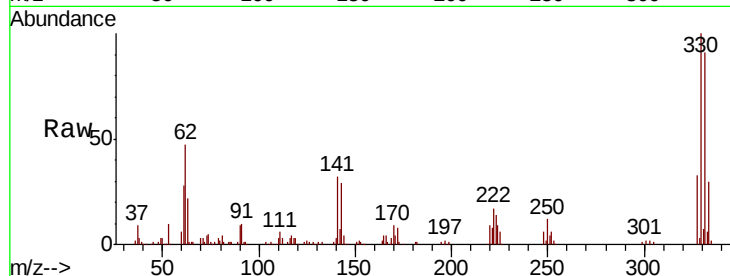




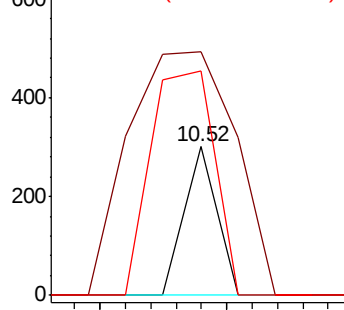
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.624 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.17 min
 Lab File: BF109630.D
 Acq: 6 Oct 2018 1:17

Instrument :
 BNA_F
 ClientSampleId :
 GRID18-COMP-100318

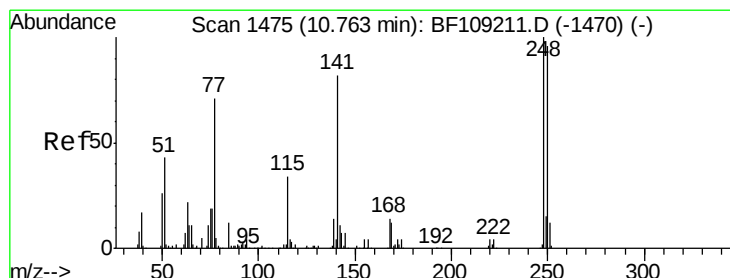
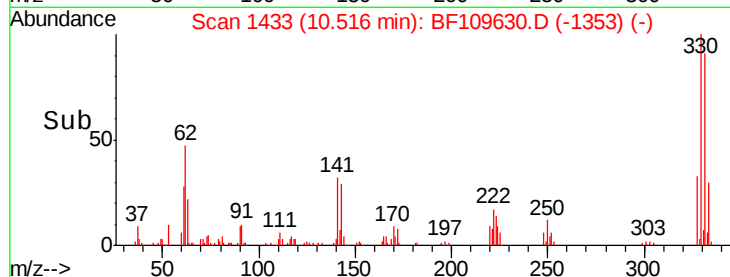
Tgt Ion:198 Resp: 106
 Ion Ratio Lower Upper
 198 100
 51 164.3 37.7 77.7#
 105 151.0 36.3 76.3#



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

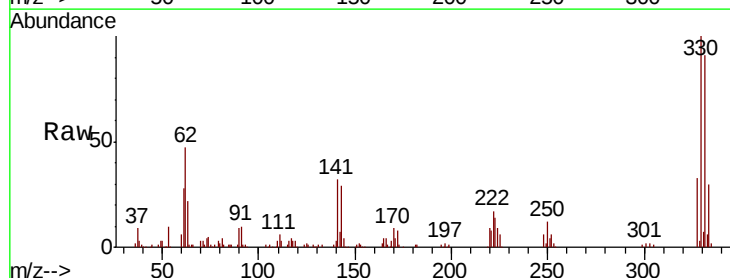


Time-->

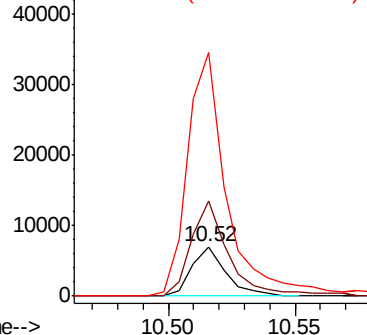


#66
 4-Bromophenyl-phenylether
 Concen: 2.687 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.25 min
 Lab File: BF109630.D
 Acq: 6 Oct 2018 1:17

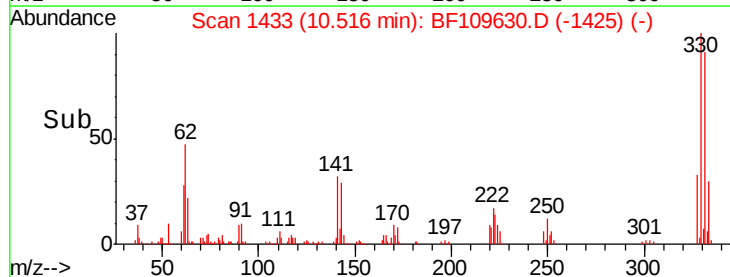
Tgt Ion:248 Resp: 6551
 Ion Ratio Lower Upper
 248 100
 250 192.9 76.9 115.3#
 141 494.5 74.4 111.6#

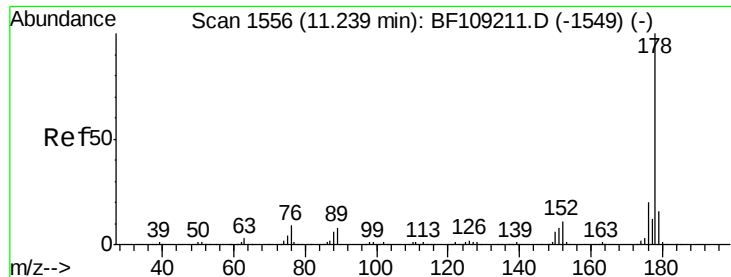


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E



Time-->

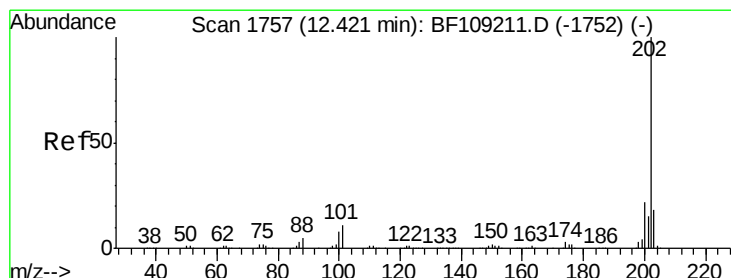
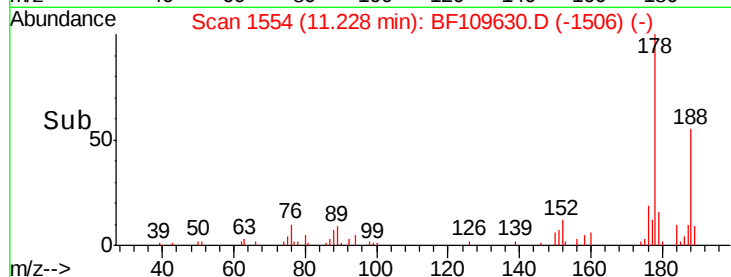
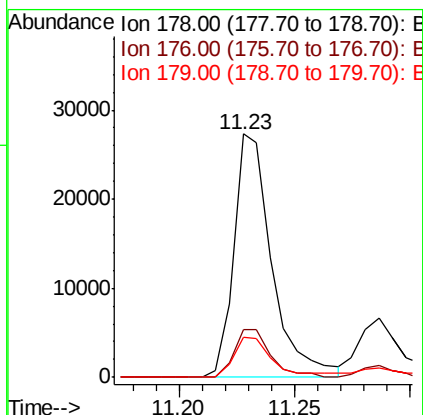
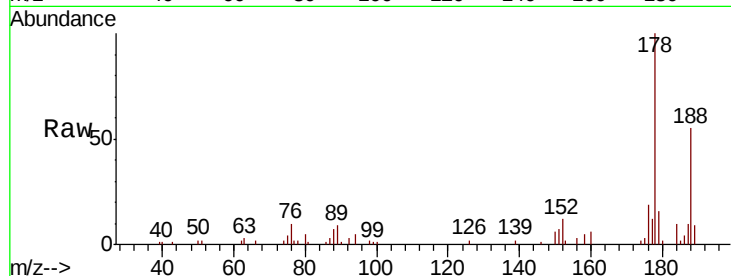




#70
Phenanthrene
Concen: 2.861 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF109630.D
Acq: 6 Oct 2018 1:17

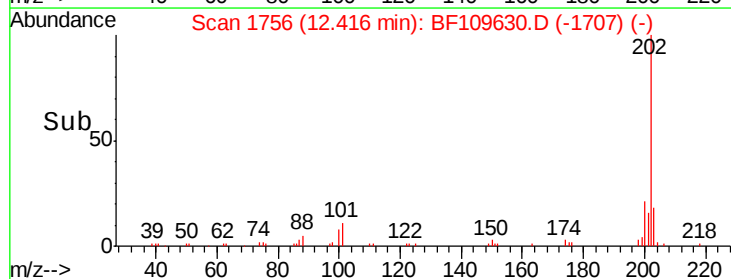
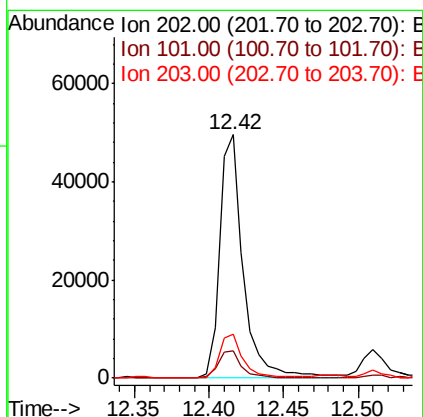
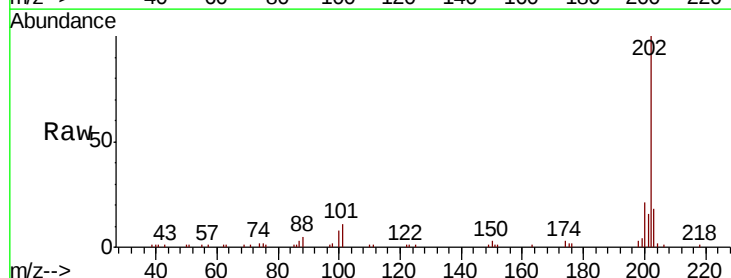
Instrument :
BNA_F
ClientSampleId :
GRID18-COMP-100318

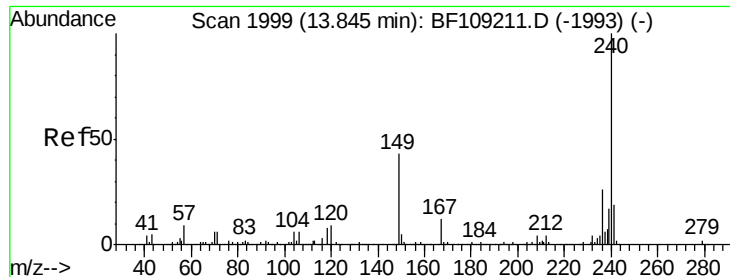
Tgt Ion:178 Resp: 31352
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 16.3 13.0 19.6



#74
Fluoranthene
Concen: 4.694 ng
RT: 12.42 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BF109630.D
Acq: 6 Oct 2018 1:17

Tgt Ion:202 Resp: 54979
Ion Ratio Lower Upper
202 100
101 11.2 0.0 34.1
203 18.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF109630.D

Acq: 6 Oct 2018 1:17

Instrument :

BNA_F

ClientSampleId :

GRID18-COMP-100318

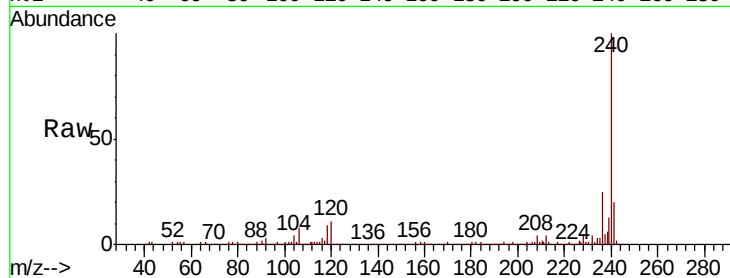
Tgt Ion:240 Resp: 226819

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

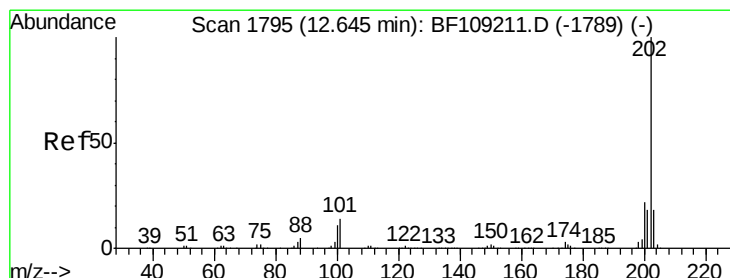
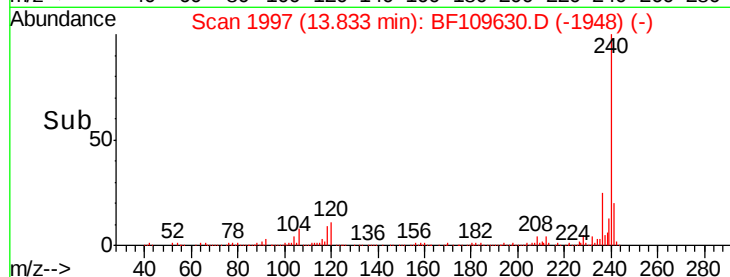
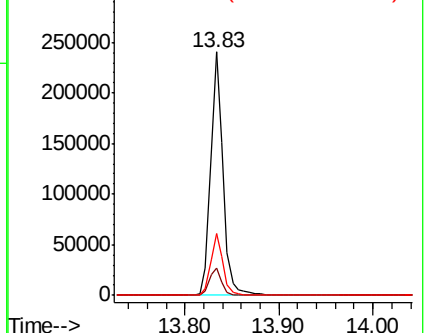
236 25.4 20.7 31.1



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: 2.933 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.02 min

Lab File: BF109630.D

Acq: 6 Oct 2018 1:17

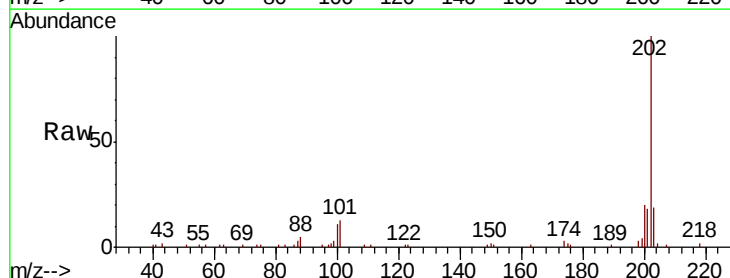
Tgt Ion:202 Resp: 47682

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

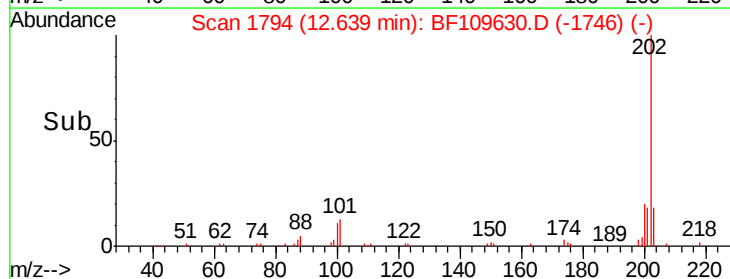
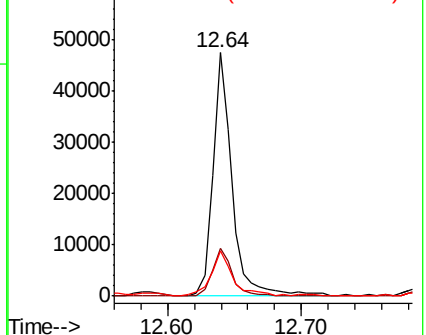
203 18.8 14.3 21.5

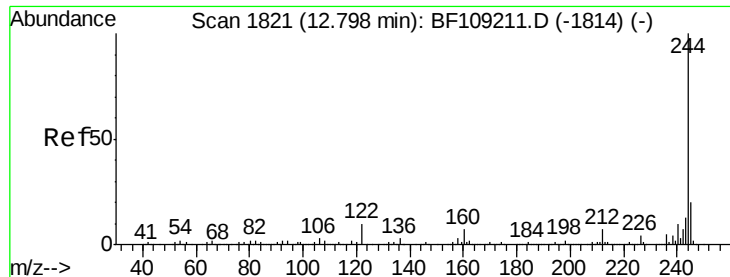


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 50.451 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.02 min

Lab File: BF109630.D

Acq: 6 Oct 2018 1:17

Instrument :

BNA_F

ClientSampleId :

GRID18-COMP-100318

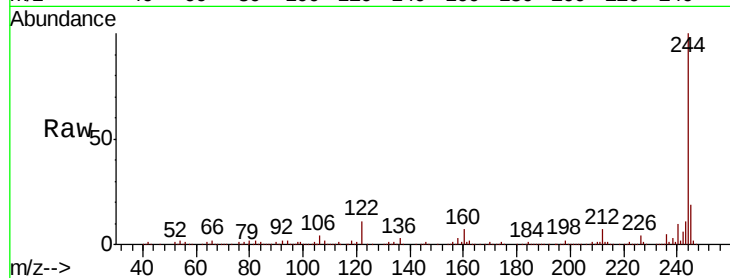
Tgt Ion:244 Resp: 466281

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

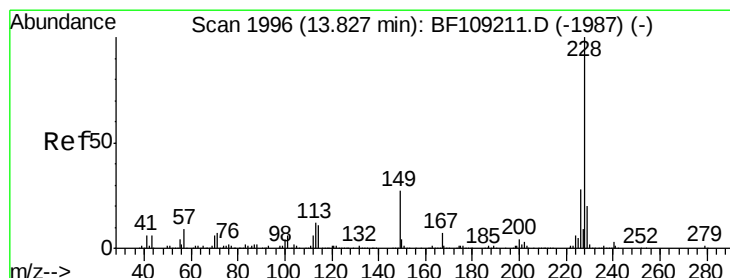
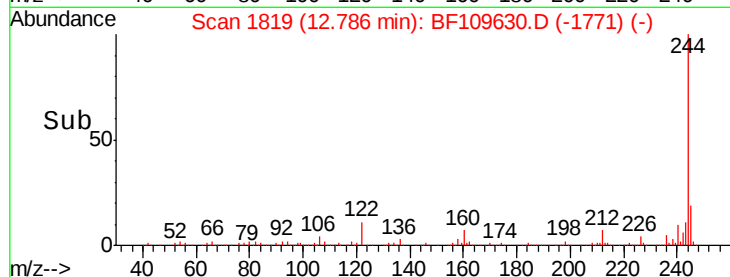
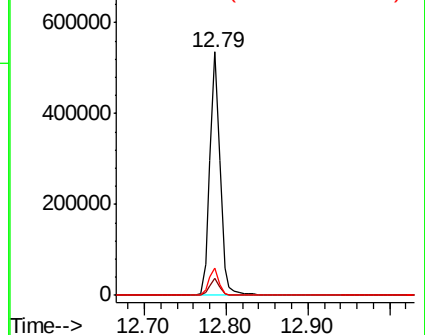
122 11.0 11.0 16.4#



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: 2.468 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF109630.D

Acq: 6 Oct 2018 1:17

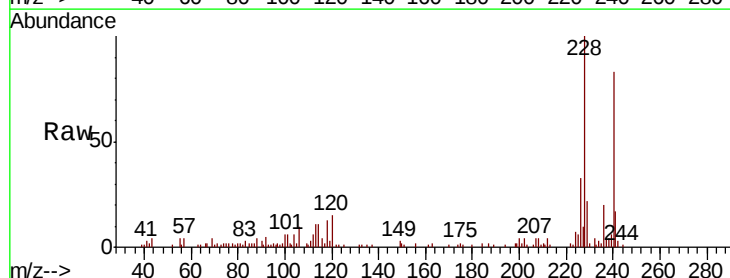
Tgt Ion:228 Resp: 33724

Ion Ratio Lower Upper

228 100

226 32.8 22.6 33.8

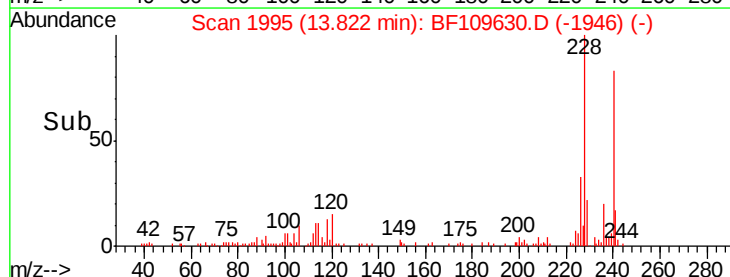
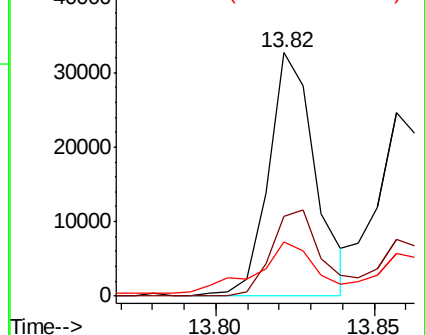
229 22.1 15.8 23.6

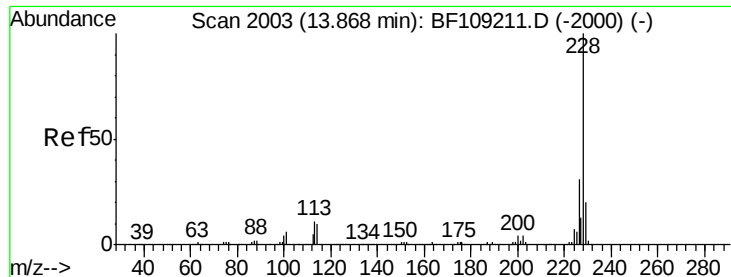


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

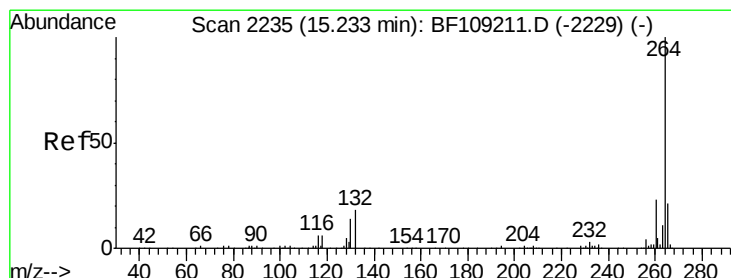
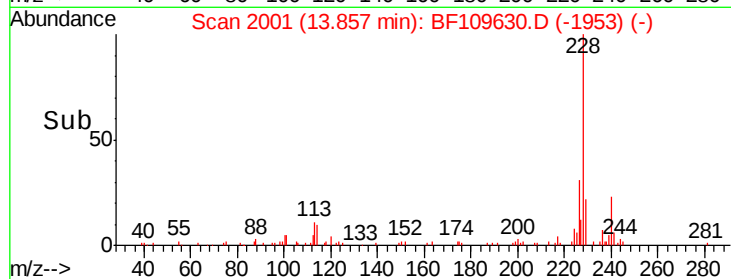
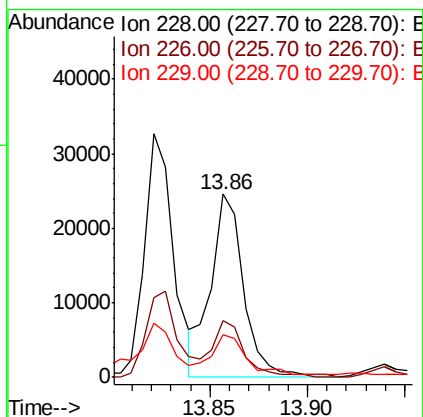
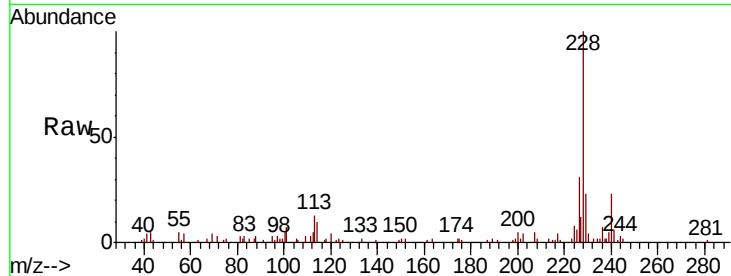




#82
Chrysene
Concen: 2.140 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.02 min
Lab File: BF109630.D
Acq: 6 Oct 2018 1:17

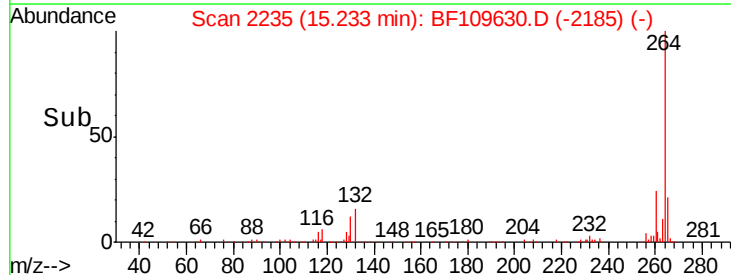
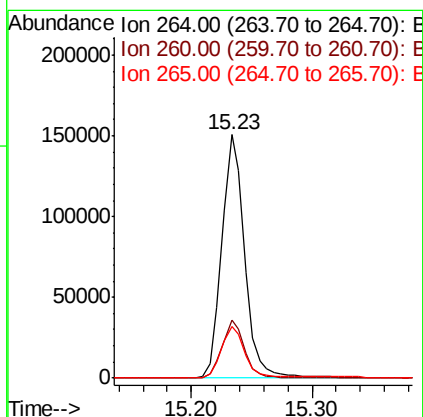
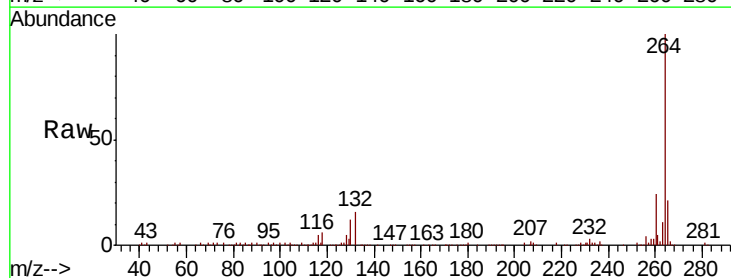
Instrument :
BNA_F
ClientSampleId :
GRID18-COMP-100318

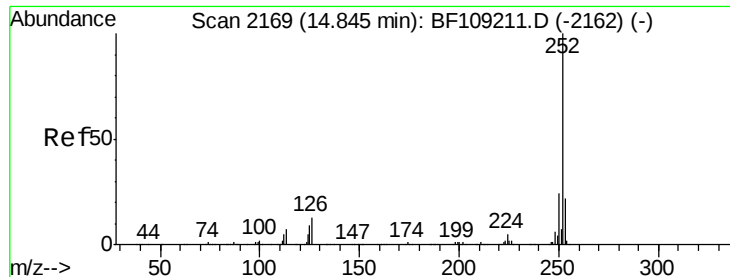
Tgt Ion:228 Resp: 28983
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.6
229 23.0 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF109630.D
Acq: 6 Oct 2018 1:17

Tgt Ion:264 Resp: 197092
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.0 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 3.885 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BF109630.D

Acq: 6 Oct 2018 1:17

Instrument :

BNA_F

ClientSampleId :

GRID18-COMP-100318

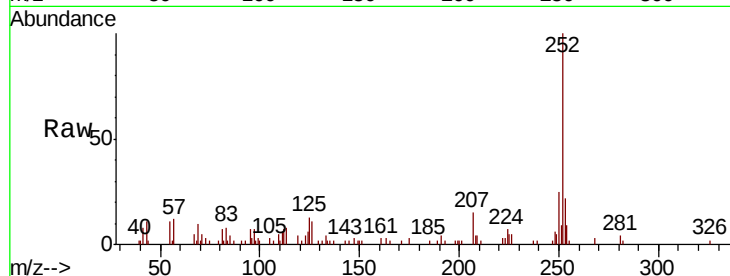
Tgt Ion:252 Resp: 42078

Ion Ratio Lower Upper

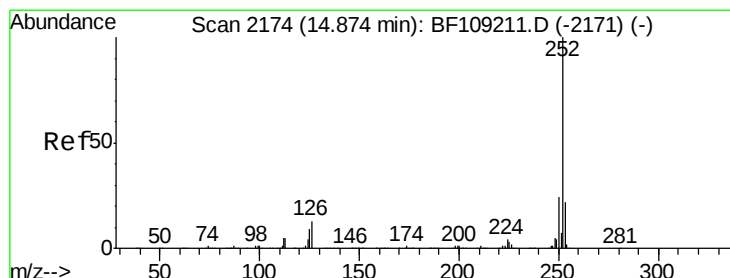
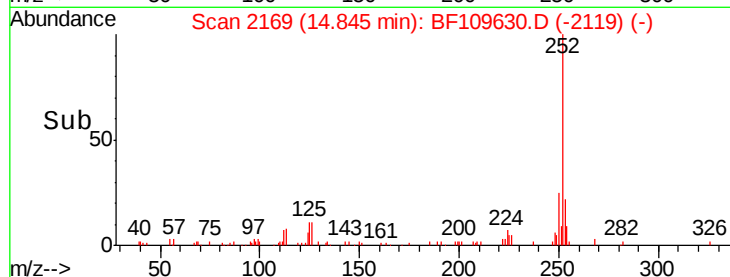
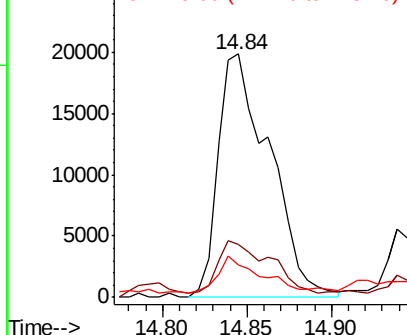
252 100

253 21.7 17.0 25.6

125 13.3 9.0 13.6



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



#88

Benzo(k)fluoranthene

Concen: 4.094 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF109630.D

Acq: 6 Oct 2018 1:17

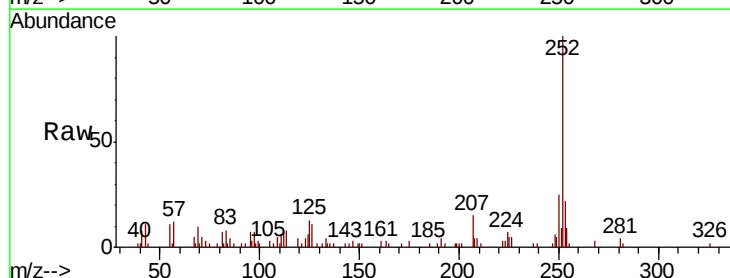
Tgt Ion:252 Resp: 42078

Ion Ratio Lower Upper

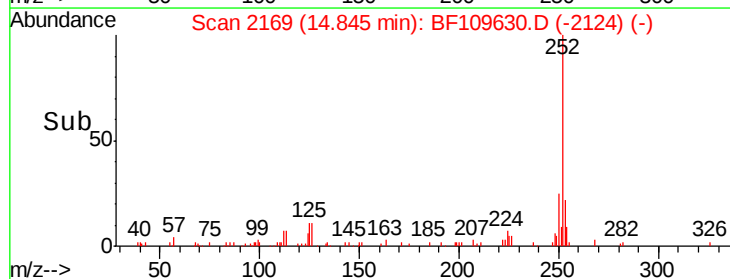
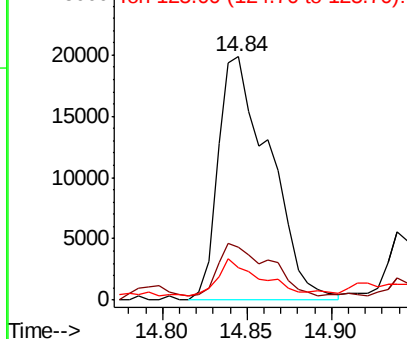
252 100

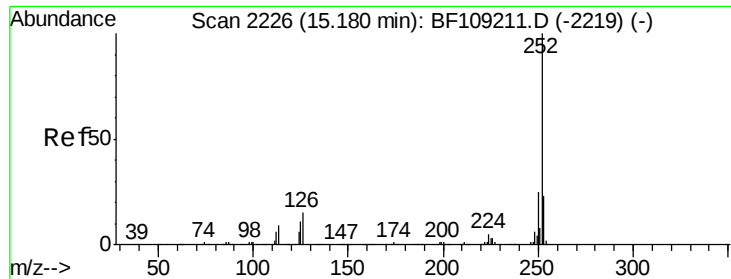
253 21.7 17.9 26.9

125 13.3 10.2 15.2



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





#89

Benzo(a)pyrene

Concen: 2.284 ng

RT: 15.17 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BF109630.D

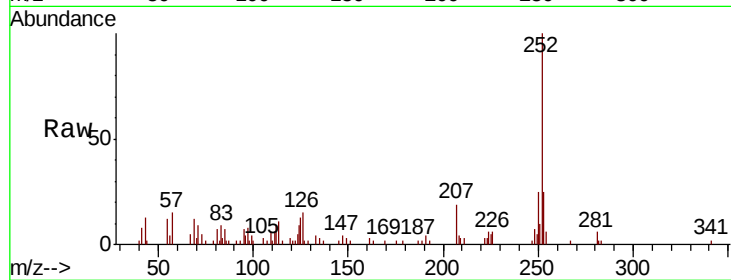
Acq: 6 Oct 2018 1:17

Instrument :

BNA_F

ClientSampleId :

GRID18-COMP-100318



Tgt Ion:	252	Resp:	22291
Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.1	25.7
125	12.6	9.8	14.6

