

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080118\
 Data File : BF107892.D
 Acq On : 1 Aug 2018 16:40
 Operator : JU/SJ
 Sample : J3826-05 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-073118

Quant Time: Aug 01 17:44:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	94851	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	430138	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	175151	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	357937	20.00	ng	0.00
75) Chrysene-d12	14.15	240	393286	20.00	ng	0.00
86) Perylene-d12	15.69	264	373861	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	42431	7.60	ng	0.02
7) Phenol-d6	6.62	99	93289	12.68	ng	0.02
23) Nitrobenzene-d5	7.57	82	83320	11.16	ng	0.03
41) 2,4,6-Tribromophenol	10.80	330	38157	16.03	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	183571	14.60	ng	0.00
78) Terphenyl-d14	13.08	244	238067	13.13	ng	0.00

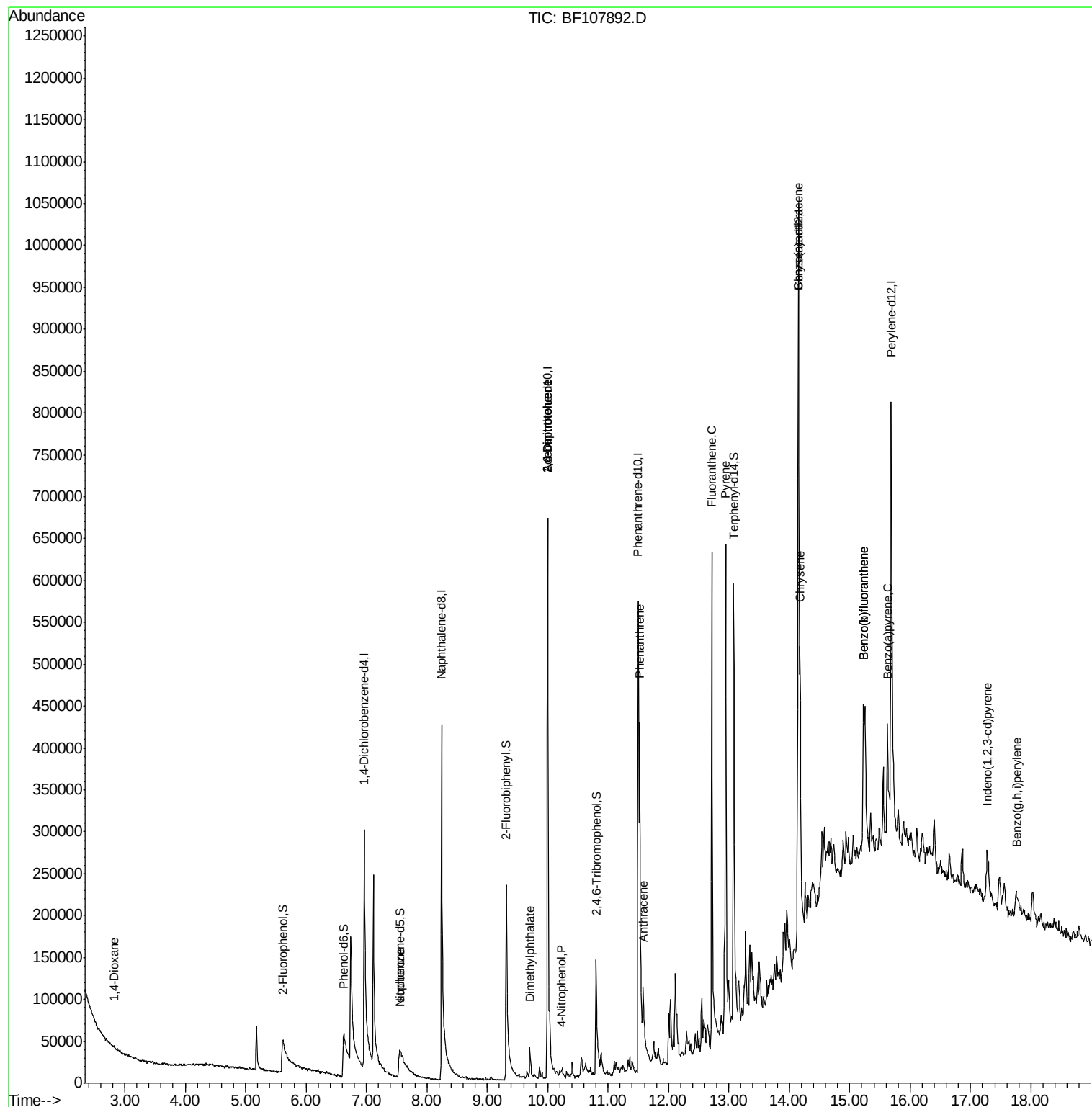
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.84	88	448	5.944	ng	# 43
25) Isophorone	7.57	82	83320	6.798	ng	# 64
49) Dimethylphthalate	9.71	163	26908	2.046	ng	98
50) 2,6-Dinitrotoluene	10.00	165	21831	7.637	ng	# 24
55) 4-Nitrophenol	10.22	139	2628	10.682	ng	# 9
56) 2,4-Dinitrotoluene	10.00	165	22326	5.942	ng	# 21
70) Phenanthrene	11.52	178	196480	11.560	ng	98
71) Anthracene	11.58	178	76177	3.886	ng	94
74) Fluoranthene	12.72	202	353064	17.682	ng	96
77) Pyrene	12.95	202	309632	10.933	ng	97
80) Benzo(a)anthracene	14.14	228	162164	7.279	ng	97
82) Chrysene	14.18	228	136379	5.676	ng	97
85) Indeno(1,2,3-cd)pyrene	17.28	276	44877	2.455	ng	# 89
87) Benzo(b)fluoranthene	15.23	252	204408	11.086	ng	93
88) Benzo(k)fluoranthene	15.23	252	204408	9.029	ng	96
89) Benzo(a)pyrene	15.62	252	104297	5.479	ng	93
91) Benzo(g,h,i)perylene	17.76	276	40730	2.535	ng	# 78

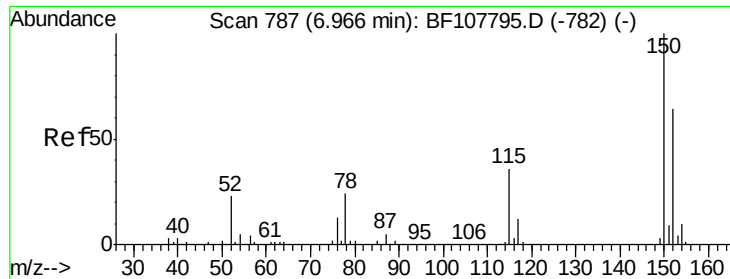
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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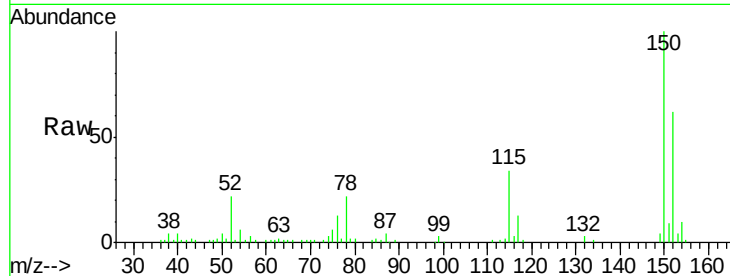


#1

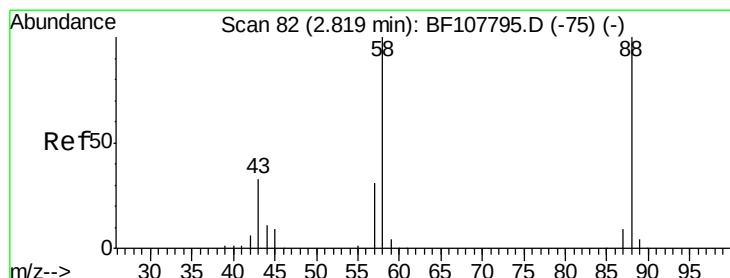
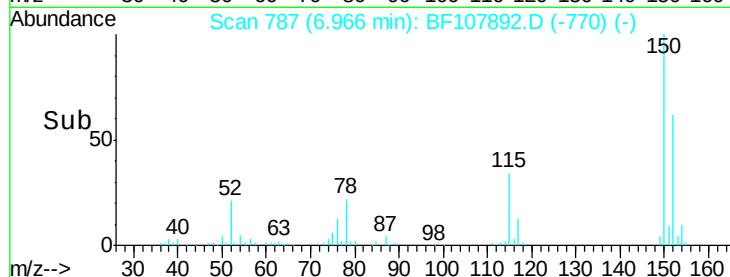
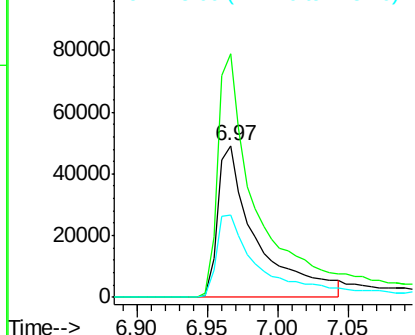
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107892.D
Acq: 1 Aug 2018 16:40

Instrument :
BNA_F
ClientSampleId :
OK-03-073118

Tgt Ion:152 Resp: 94851
Ion Ratio Lower Upper
152 100
150 160.2 124.6 186.8
115 54.3 50.1 75.1



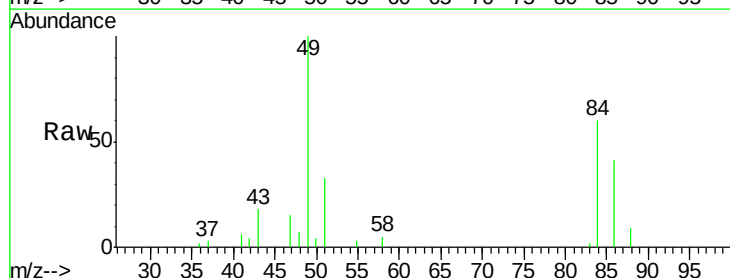
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



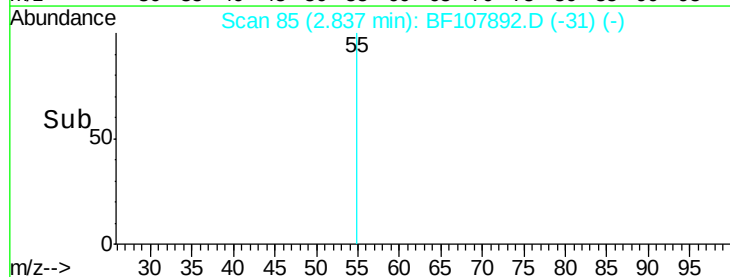
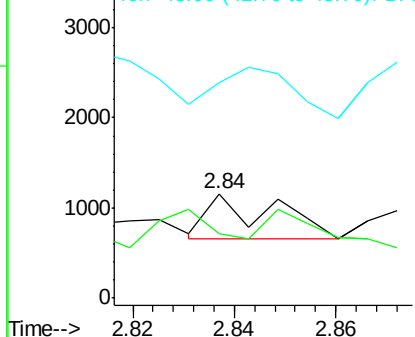
#2

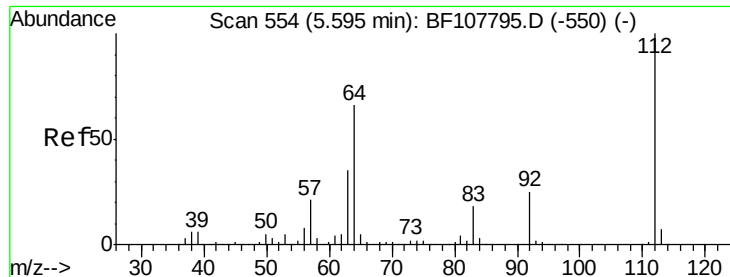
1,4-Dioxane
Concen: 5.944 ng
RT: 2.84 min Scan# 85
Delta R.T. 0.02 min
Lab File: BF107892.D
Acq: 1 Aug 2018 16:40

Tgt Ion: 88 Resp: 448
Ion Ratio Lower Upper
88 100
58 73.2 62.6 93.8
43 132.6 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 7.603 ng

RT: 5.62 min Scan# 558

Delta R.T. 0.02 min

Lab File: BF107892.D

Acq: 1 Aug 2018 16:40

Instrument :

BNA_F

ClientSampleId :

OK-03-073118

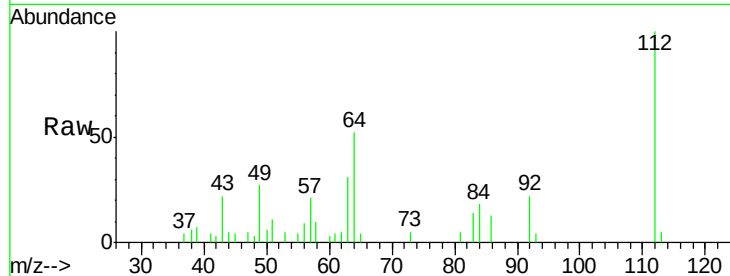
Tgt Ion: 112 Resp: 42431

Ion Ratio Lower Upper

112 100

64 51.7 47.9 71.9

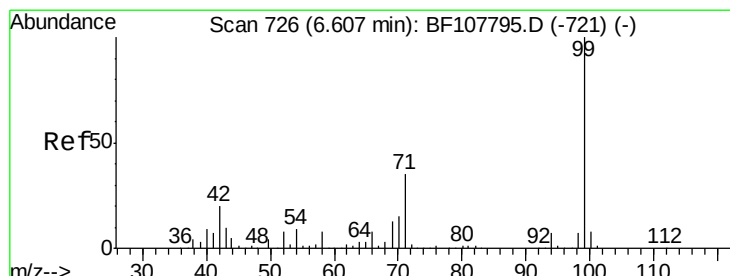
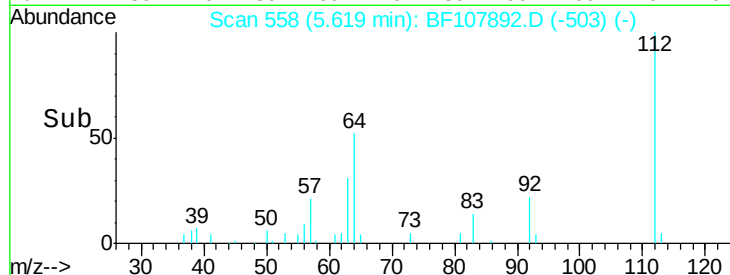
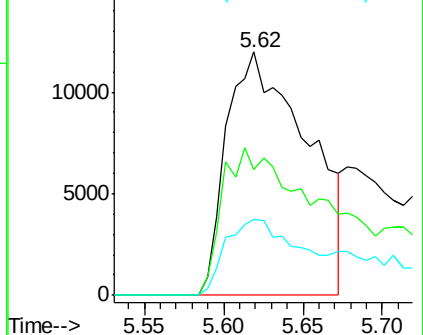
63 31.2 23.7 35.5



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: 12.683 ng

RT: 6.62 min Scan# 729

Delta R.T. 0.02 min

Lab File: BF107892.D

Acq: 1 Aug 2018 16:40

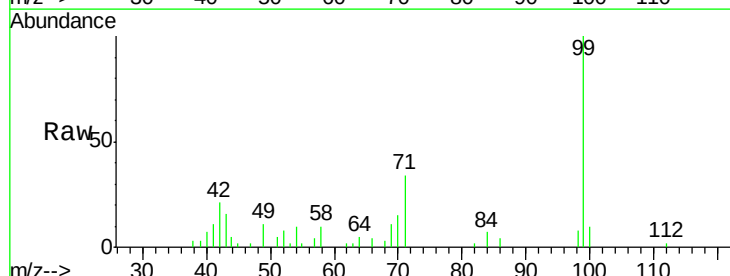
Tgt Ion: 99 Resp: 93289

Ion Ratio Lower Upper

99 100

42 20.6 14.5 21.7

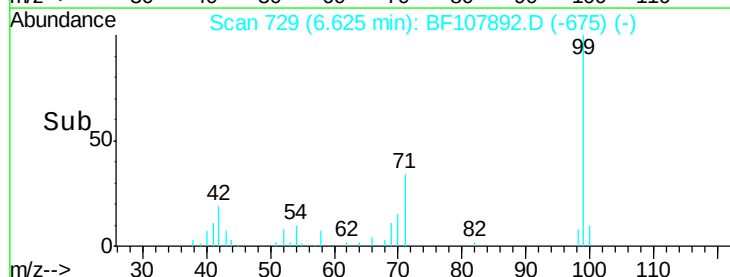
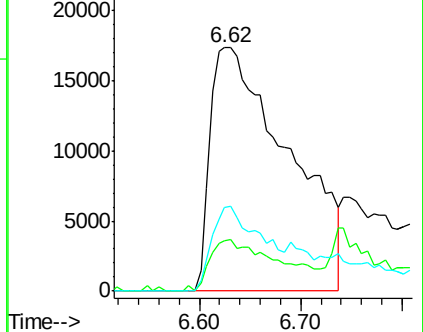
71 34.4 25.4 38.0

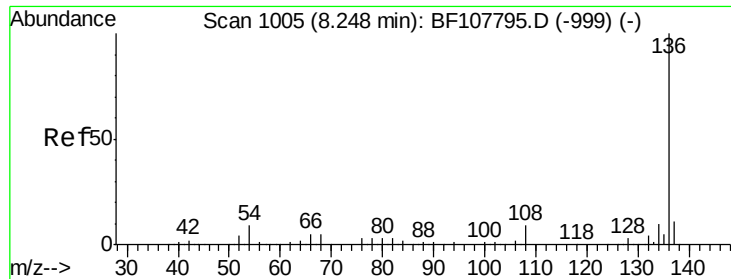


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

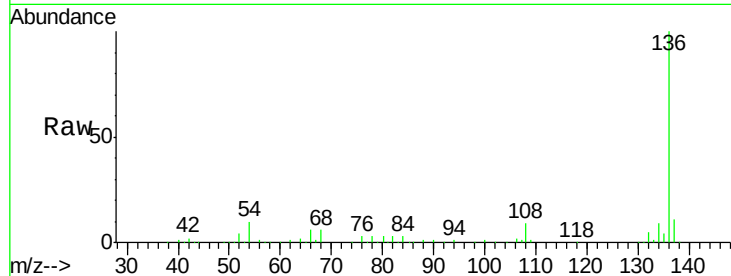




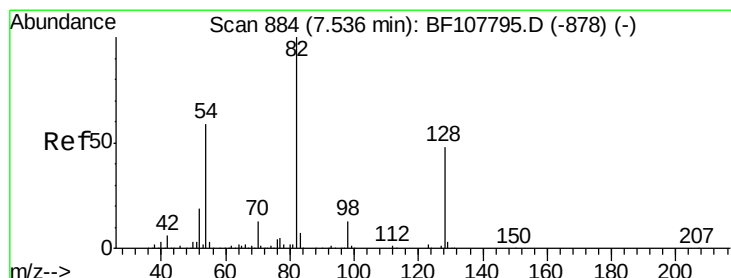
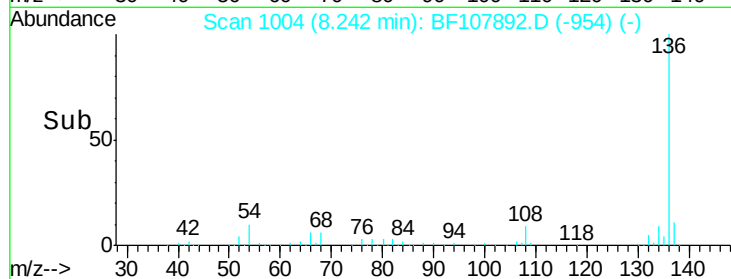
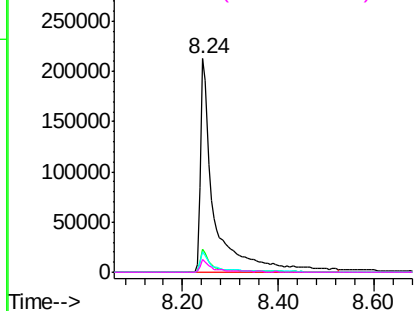
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107892.D
Acq: 1 Aug 2018 16:40

Instrument :
BNA_F
ClientSampleId :
OK-03-073118

Tgt Ion:	136	Resp:	430138
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.9	6.6	9.8#
68	6.1	5.0	7.4

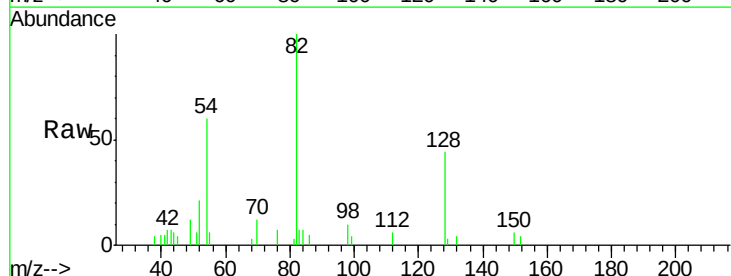


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

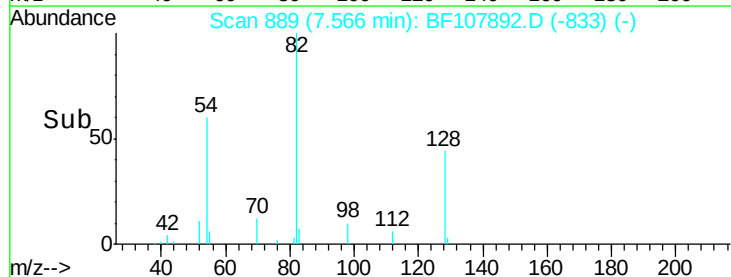
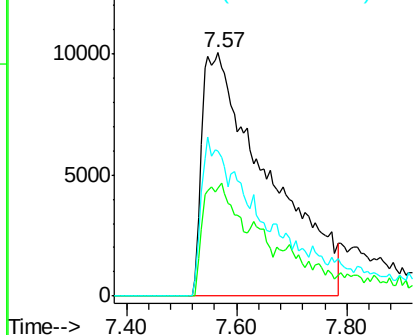


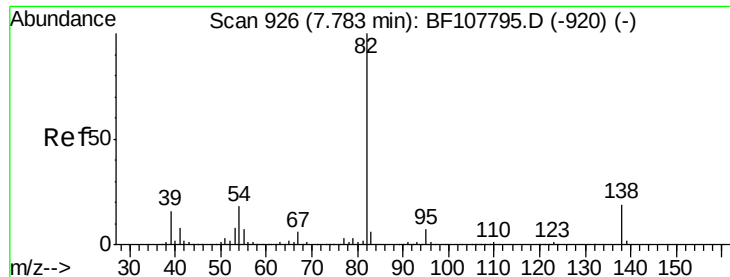
#23
Nitrobenzene-d5
Concen: 11.159 ng
RT: 7.57 min Scan# 889
Delta R.T. 0.03 min
Lab File: BF107892.D
Acq: 1 Aug 2018 16:40

Tgt Ion:	82	Resp:	83320
Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.1	54.1
54	59.5	41.4	62.2



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





#25

Isophorone

Concen: 6.798 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.22 min

Lab File: BF107892.D

Acq: 1 Aug 2018 16:40

Instrument :

BNA_F

ClientSampleId :

OK-03-073118

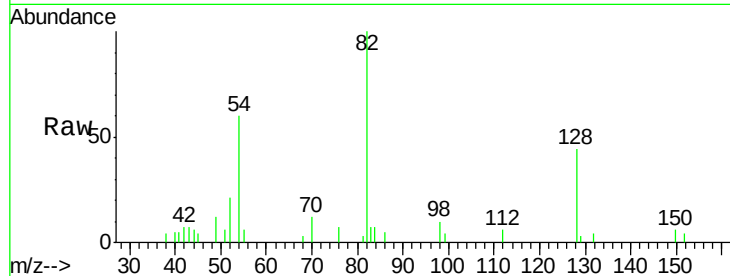
Tgt Ion: 82 Resp: 83320

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

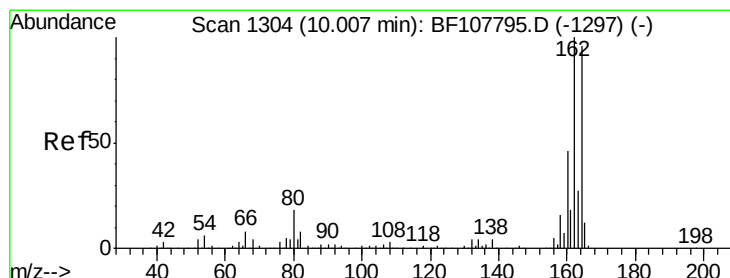
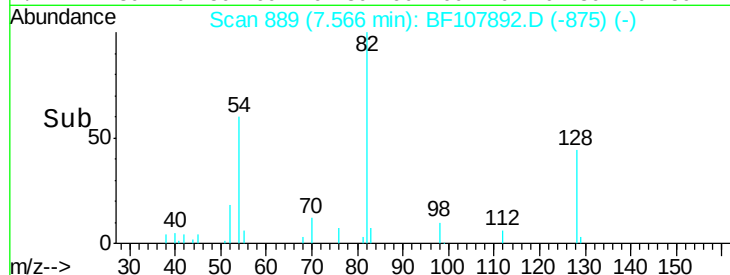
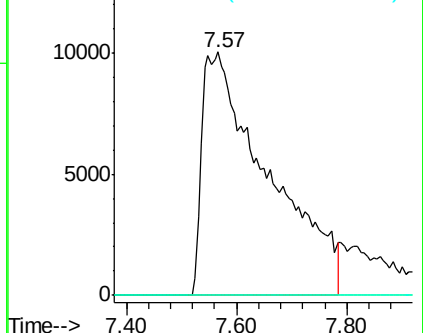
138 0.0 14.9 22.3#



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: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF107892.D

Acq: 1 Aug 2018 16:40

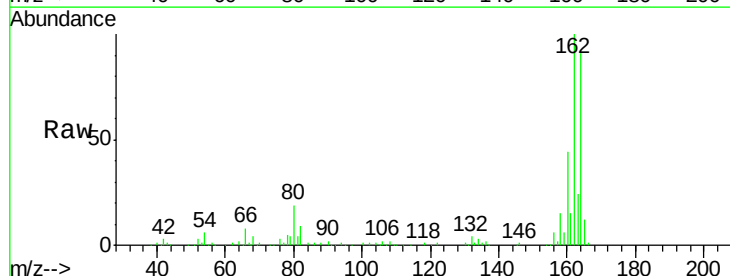
Tgt Ion: 164 Resp: 175151

Ion Ratio Lower Upper

164 100

162 109.4 86.1 129.1

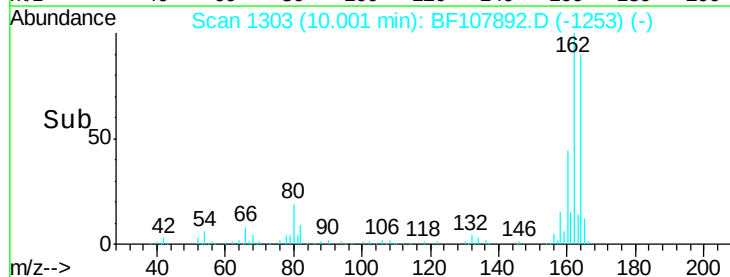
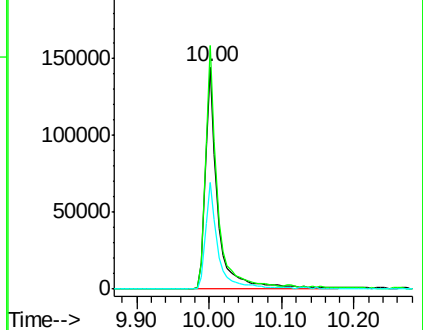
160 48.2 38.3 57.5

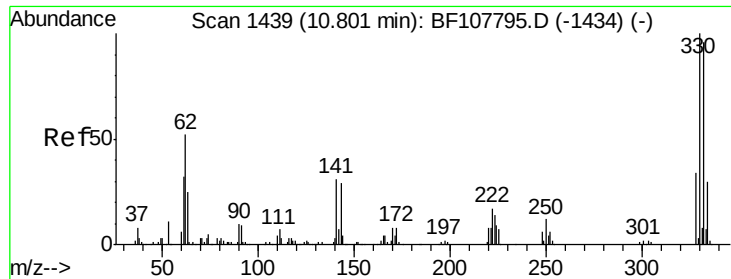


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

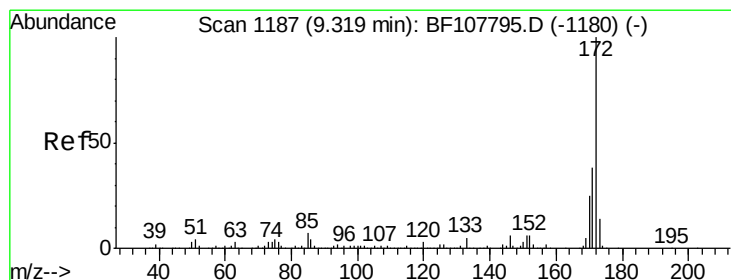
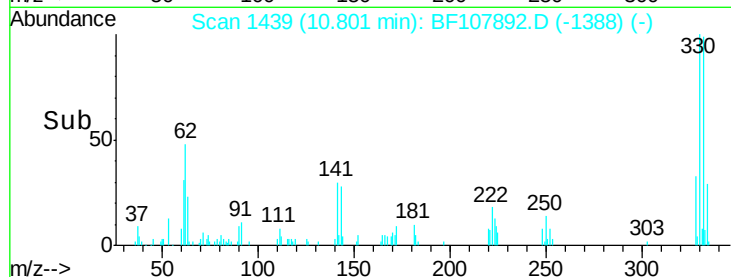
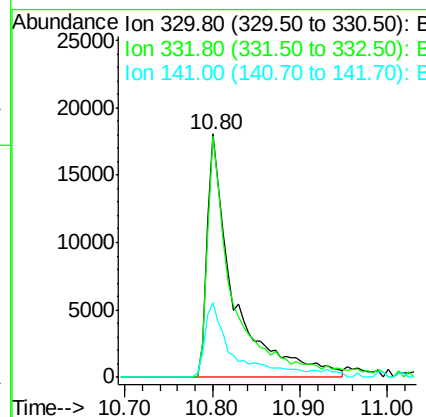
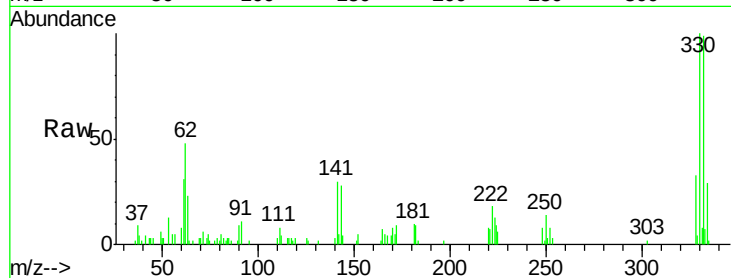




#41
 2,4,6-Tribromophenol
 Concen: 16.033 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107892.D
 Acq: 1 Aug 2018 16:40

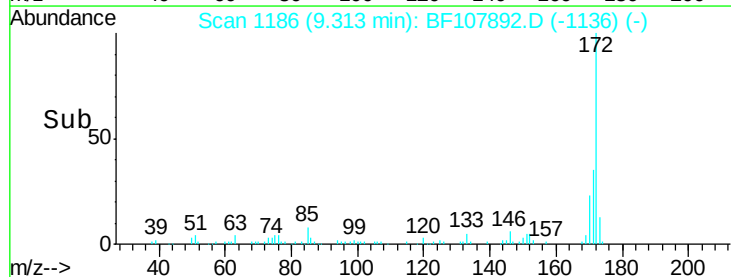
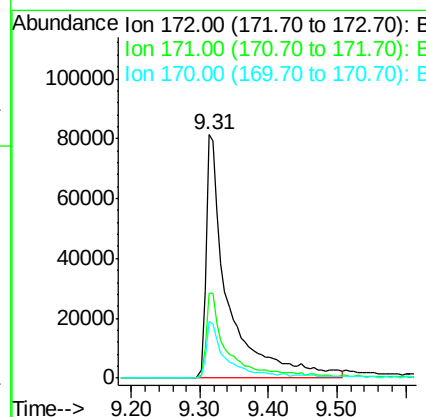
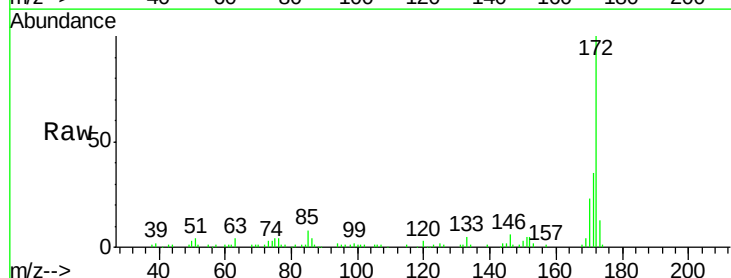
Instrument :
 BNA_F
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 OK-03-073118

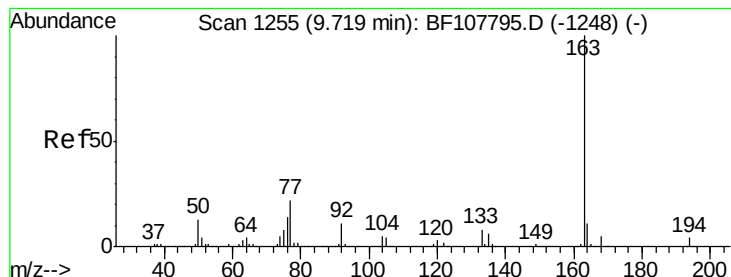
Tgt Ion:330 Resp: 38157
 Ion Ratio Lower Upper
 330 100
 332 92.1 77.0 115.6
 141 31.7 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 14.605 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107892.D
 Acq: 1 Aug 2018 16:40

Tgt Ion:172 Resp: 183571
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.7 44.5
 170 23.1 19.6 29.4





#49

Dimethylphthalate

Concen: 2.046 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BF107892.D

Acq: 1 Aug 2018 16:40

Instrument :

BNA_F

ClientSampleId :

OK-03-073118

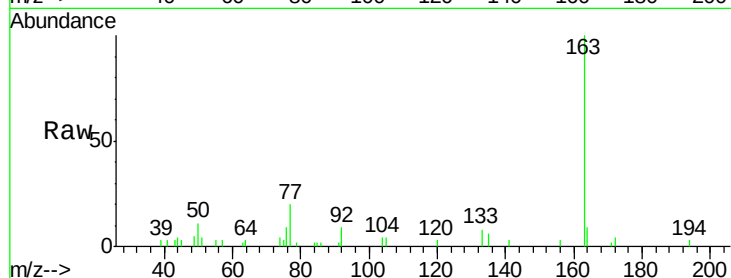
Tgt Ion:163 Resp: 26908

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

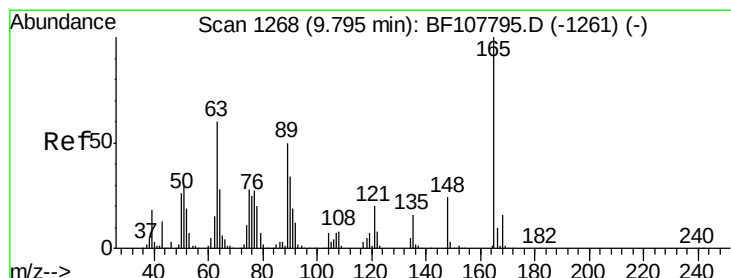
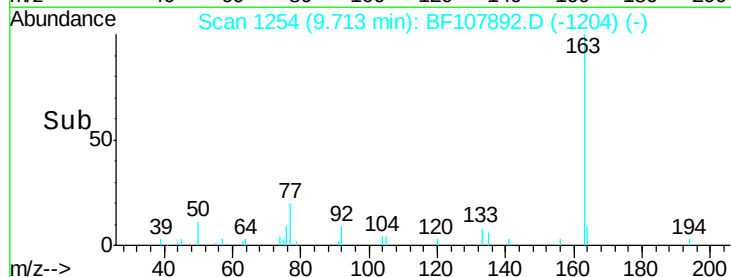
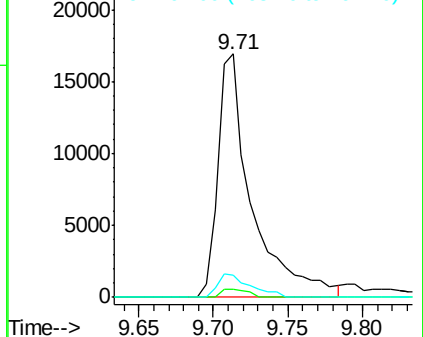
164 9.2 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 7.637 ng

RT: 10.00 min Scan# 1303

Delta R.T. 0.21 min

Lab File: BF107892.D

Acq: 1 Aug 2018 16:40

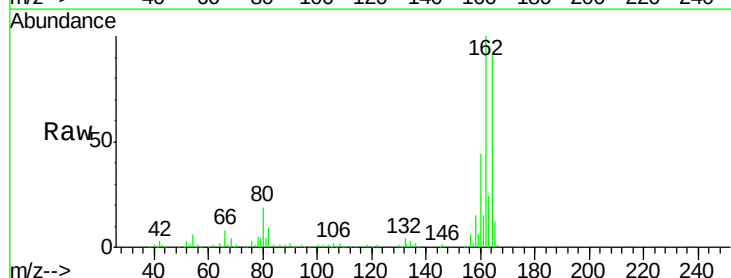
Tgt Ion:165 Resp: 21831

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

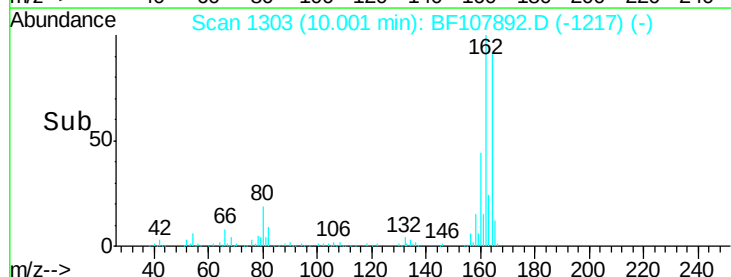
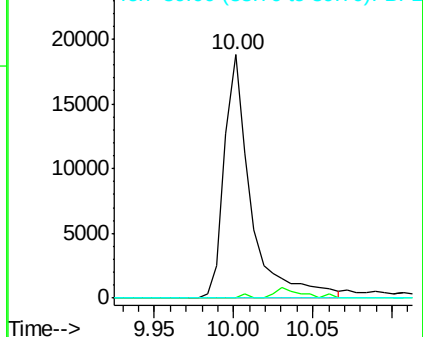
89 0.0 44.0 66.0#

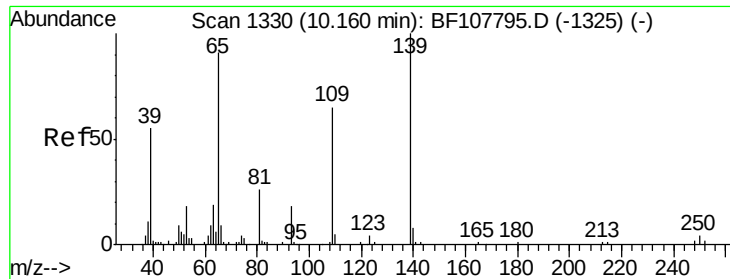


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

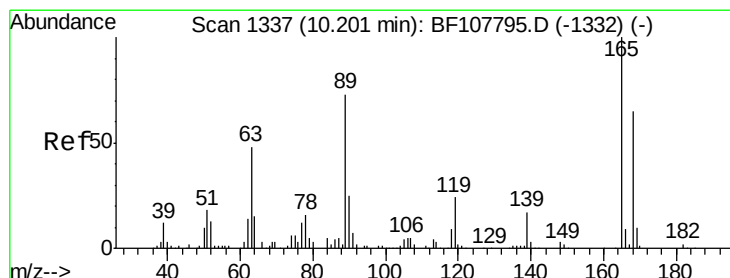
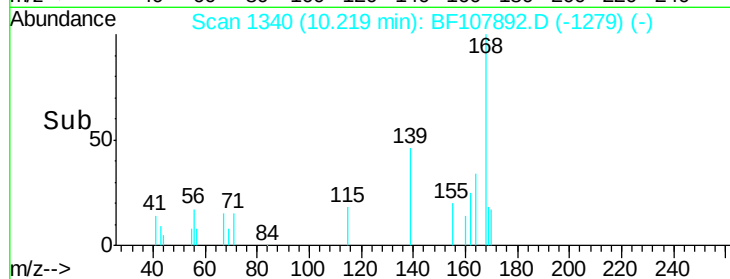
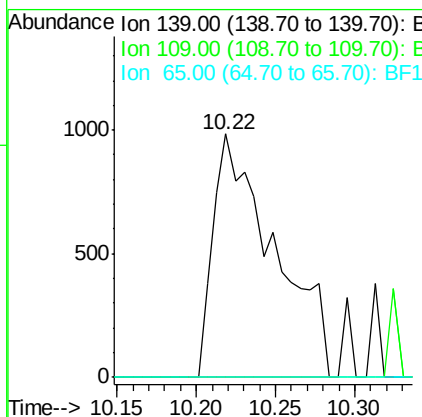
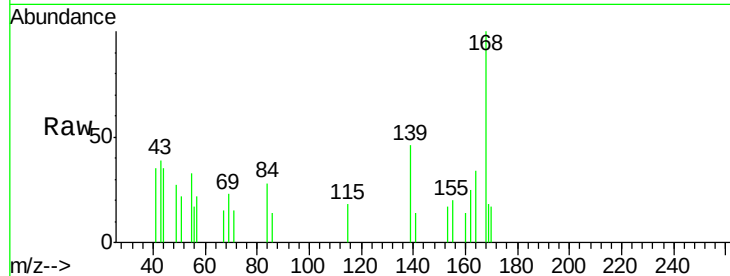




#55
4-Nitrophenol
Concen: 10.682 ng
RT: 10.22 min Scan# 1340
Delta R.T. 0.06 min
Lab File: BF107892.D
Acq: 1 Aug 2018 16:40

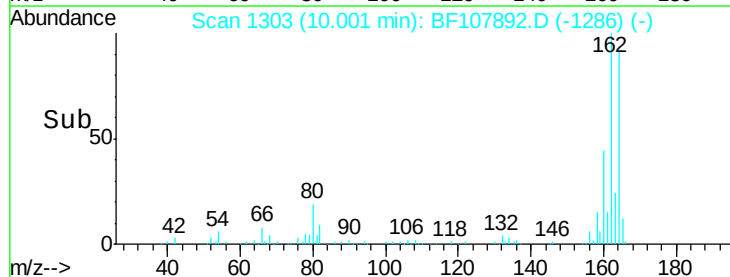
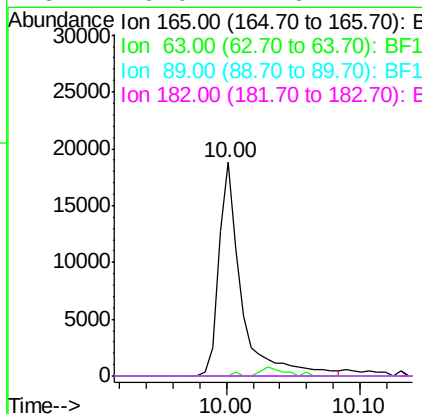
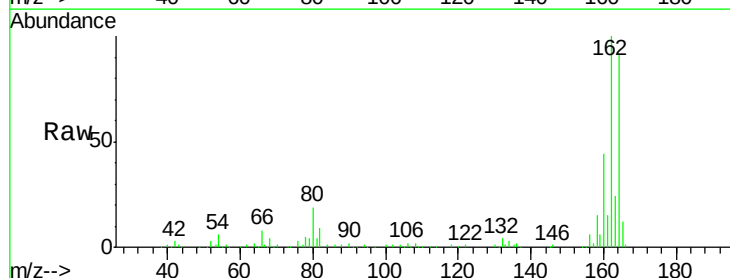
Instrument :
BNA_F
ClientSampleId :
OK-03-073118

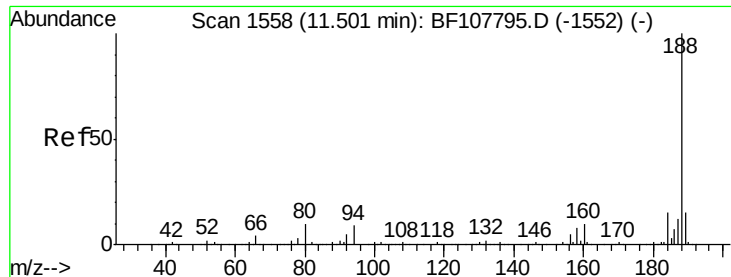
Tgt Ion:139 Resp: 2628
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 5.942 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.20 min
Lab File: BF107892.D
Acq: 1 Aug 2018 16:40

Tgt Ion:165 Resp: 22326
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#

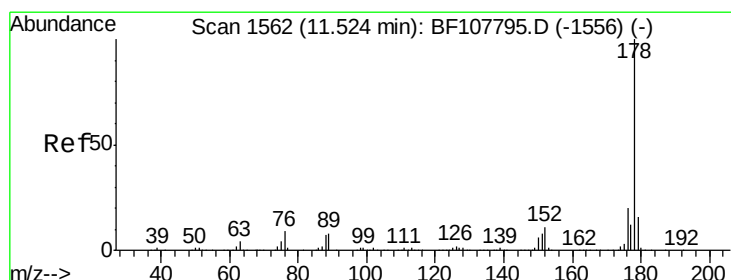
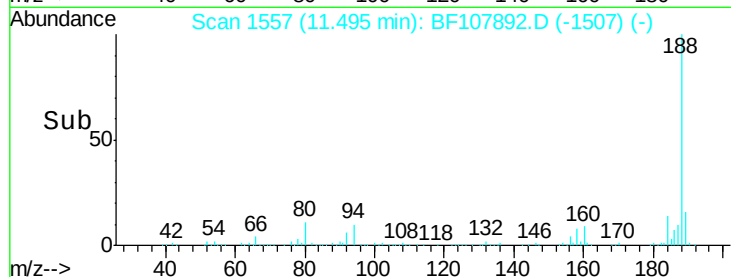
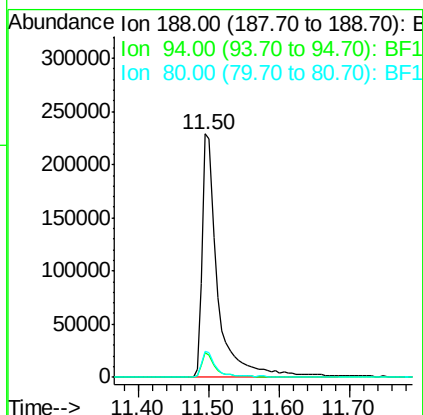
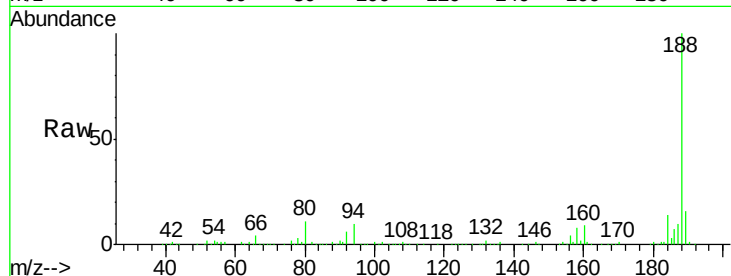




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF107892.D
 Acq: 1 Aug 2018 16:40

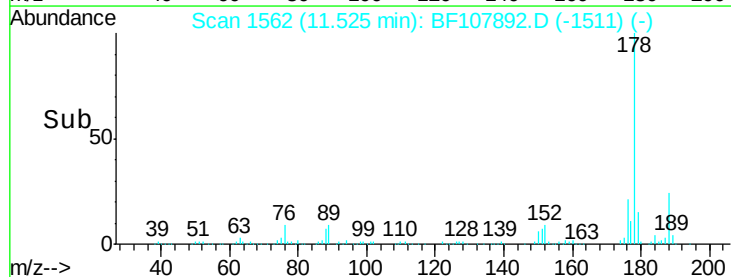
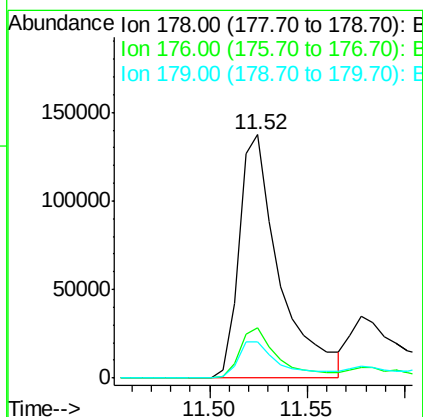
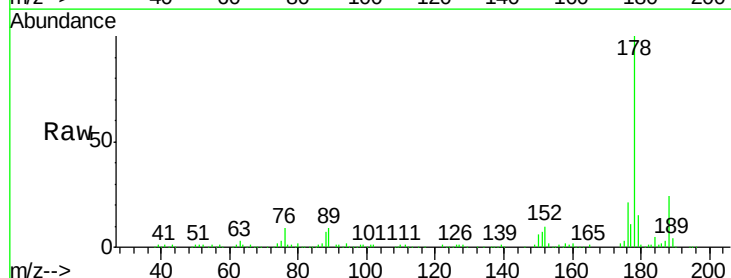
Instrument :
 BNA_F
 ClientSampleId :
 OK-03-073118

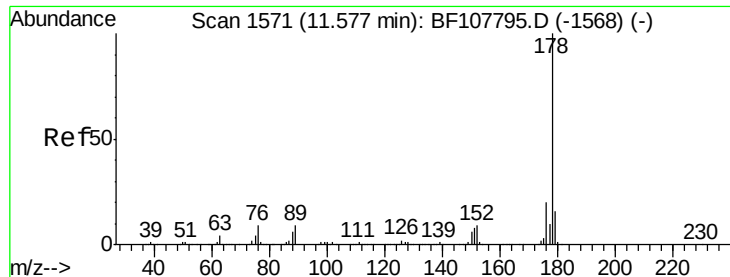
Tgt Ion:188 Resp: 357937
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.5 12.7
 80 10.7 9.2 13.8



#70
 Phenanthrene
 Concen: 11.560 ng
 RT: 11.52 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: BF107892.D
 Acq: 1 Aug 2018 16:40

Tgt Ion:178 Resp: 196480
 Ion Ratio Lower Upper
 178 100
 176 20.8 15.8 23.8
 179 15.1 13.0 19.6

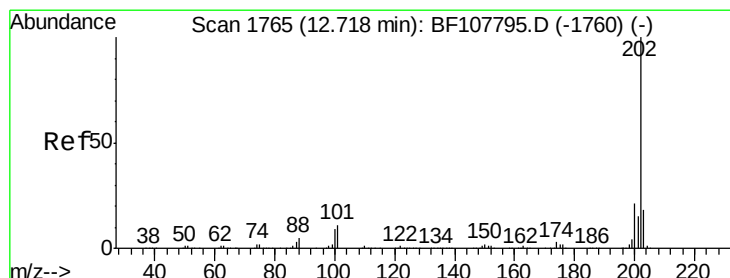
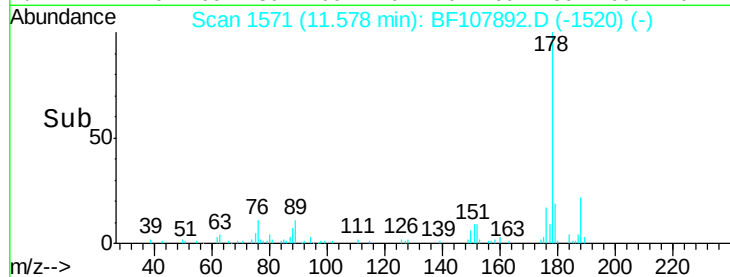
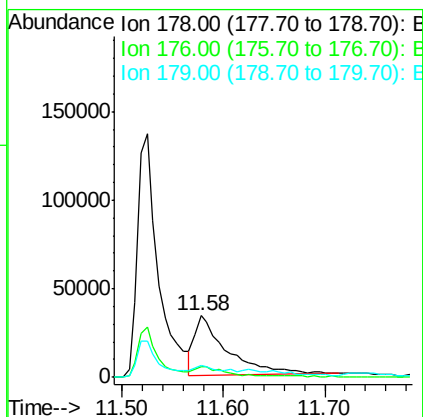
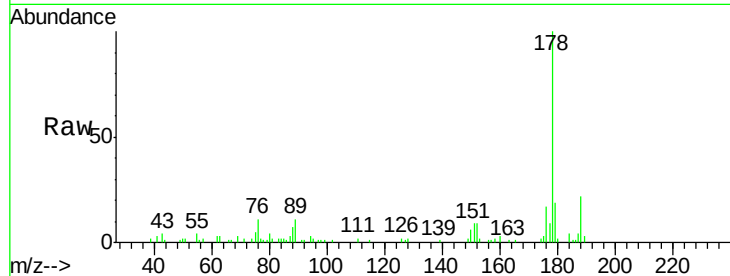




#71
 Anthracene
 Concen: 3.886 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF107892.D
 Acq: 1 Aug 2018 16:40

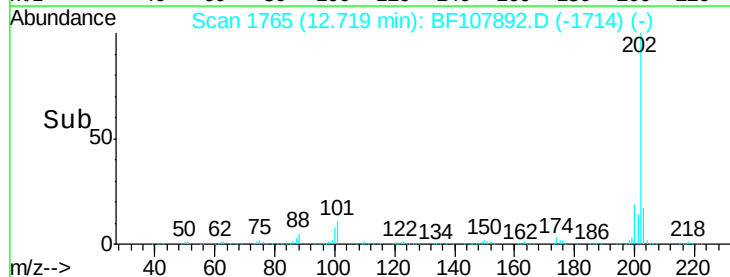
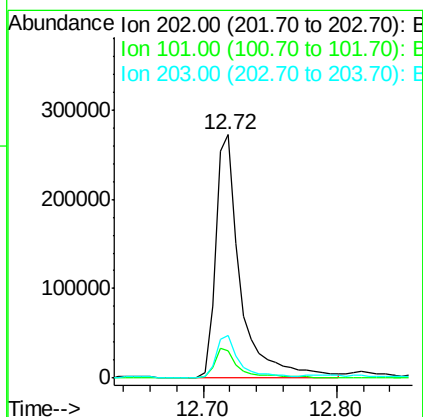
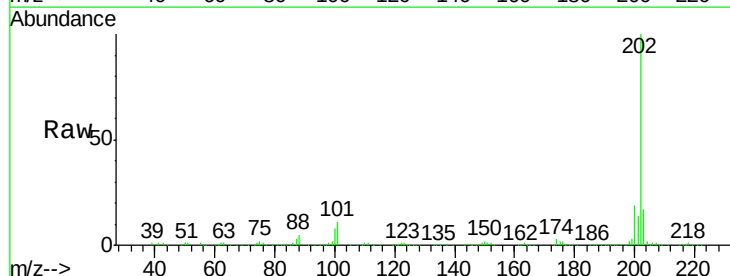
Instrument :
 BNA_F
 ClientSampleId :
 OK-03-073118

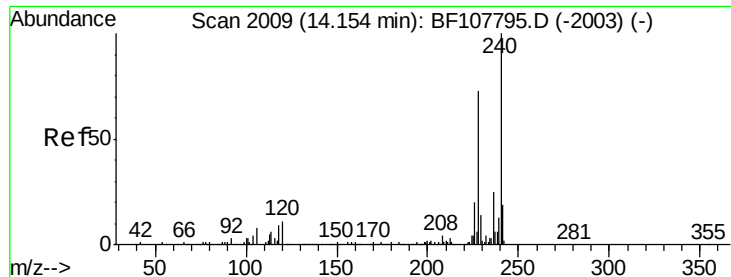
Tgt Ion:178 Resp: 76177
 Ion Ratio Lower Upper
 178 100
 176 17.1 15.4 23.2
 179 18.7 12.6 19.0



#74
 Fluoranthene
 Concen: 17.682 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: BF107892.D
 Acq: 1 Aug 2018 16:40

Tgt Ion:202 Resp: 353064
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 34.1
 203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF107892.D

Acq: 1 Aug 2018 16:40

Instrument :

BNA_F

ClientSampleId :

OK-03-073118

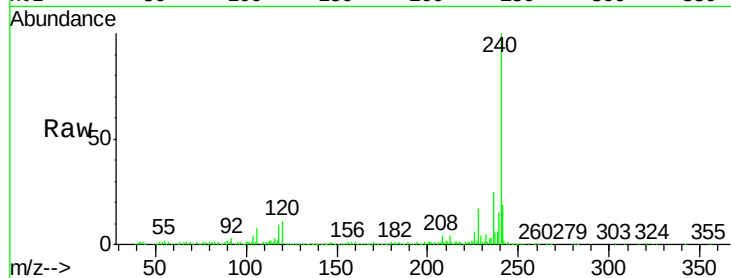
Tgt Ion:240 Resp: 393286

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

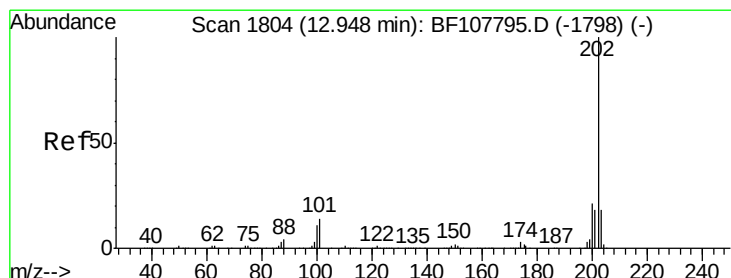
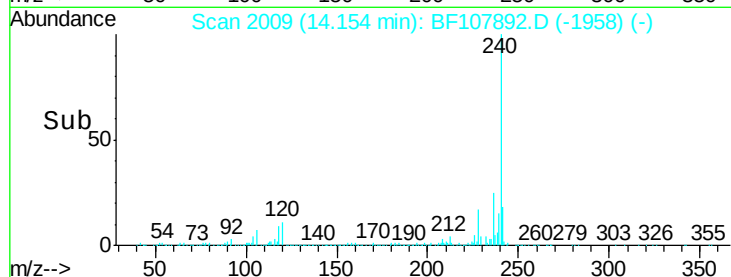
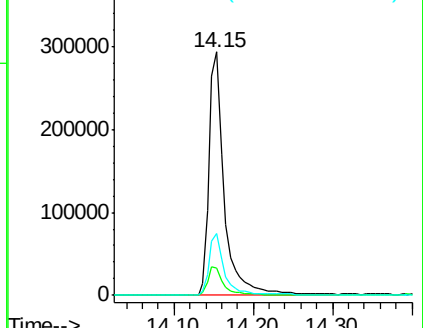
236 25.2 20.7 31.1



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: 10.933 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF107892.D

Acq: 1 Aug 2018 16:40

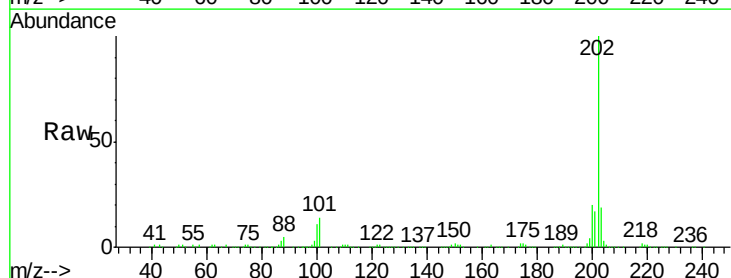
Tgt Ion:202 Resp: 309632

Ion Ratio Lower Upper

202 100

200 19.8 17.4 26.2

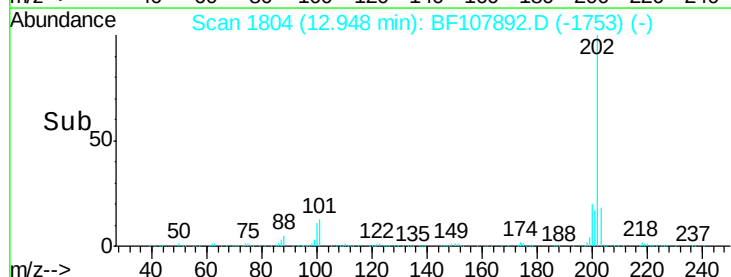
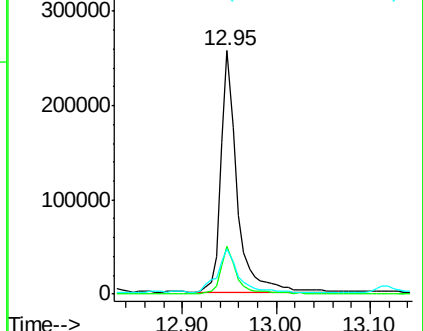
203 18.6 14.3 21.5

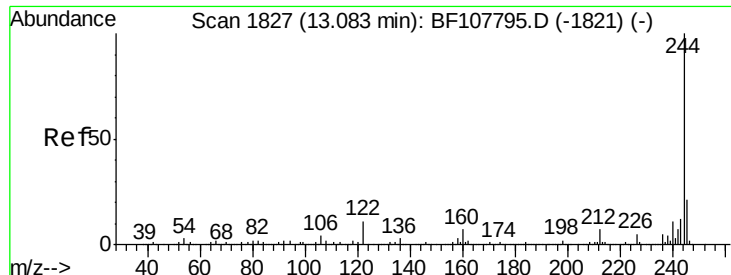


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.126 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107892.D

Acq: 1 Aug 2018 16:40

Instrument :

BNA_F

ClientSampleId :

OK-03-073118

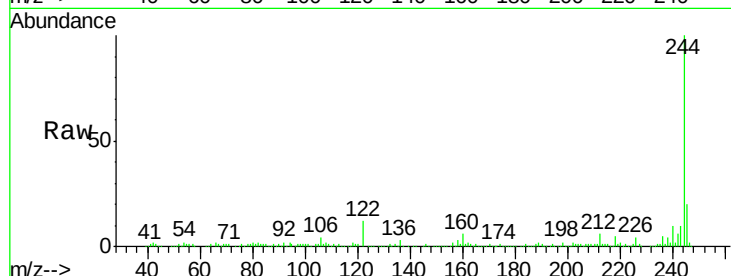
Tgt Ion:244 Resp: 238067

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

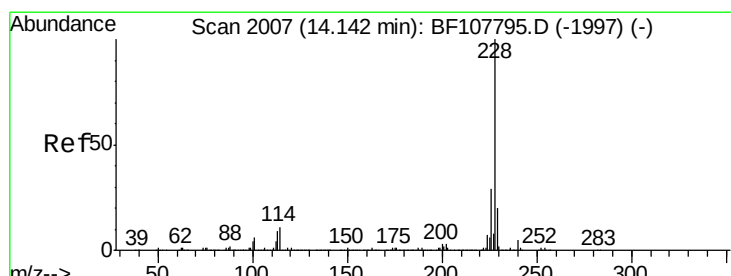
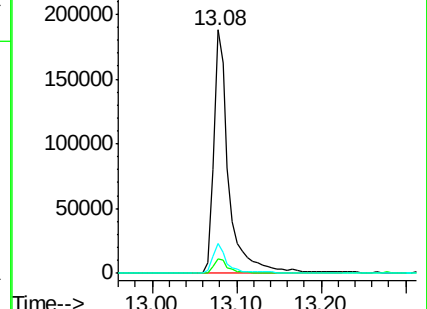
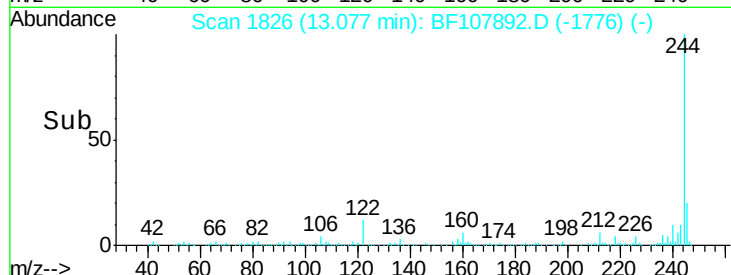
122 12.0 11.0 16.4



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: 7.279 ng

RT: 14.14 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BF107892.D

Acq: 1 Aug 2018 16:40

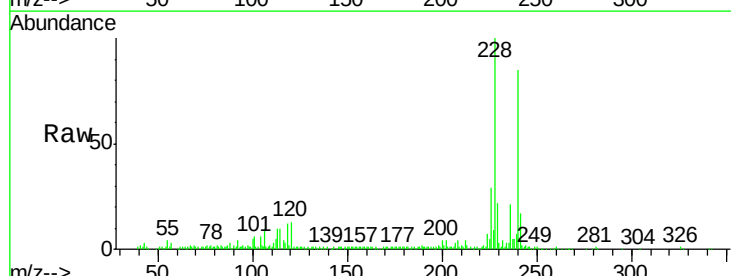
Tgt Ion:228 Resp: 162164

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

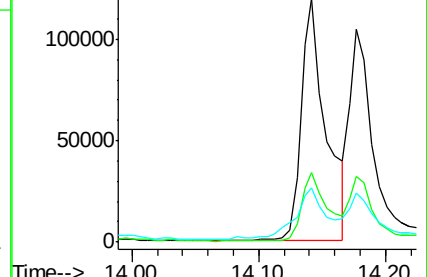
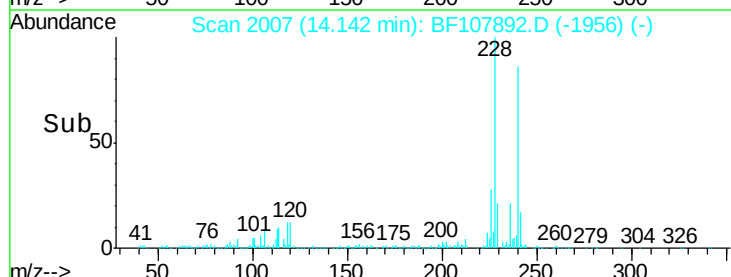
229 22.4 15.8 23.6

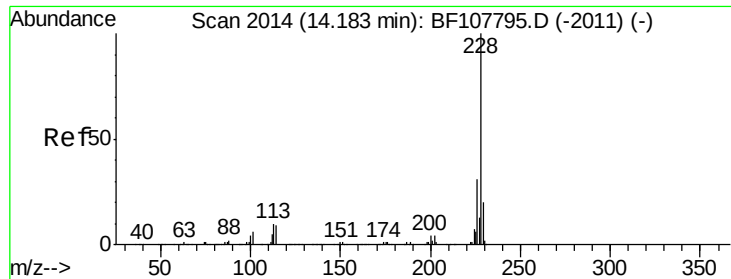


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.676 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF107892.D

Acq: 1 Aug 2018 16:40

Instrument :

BNA_F

ClientSampleId :

OK-03-073118

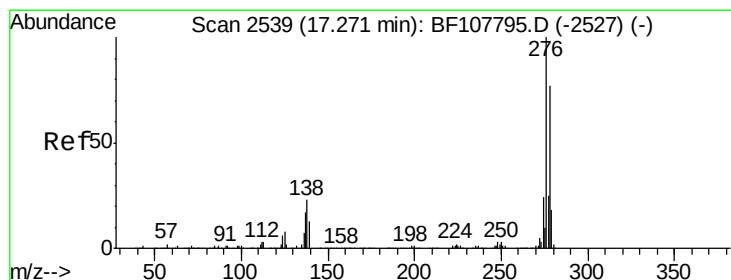
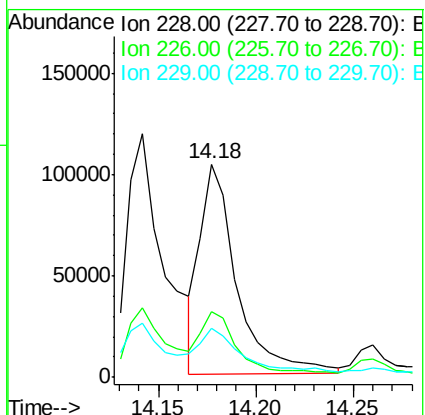
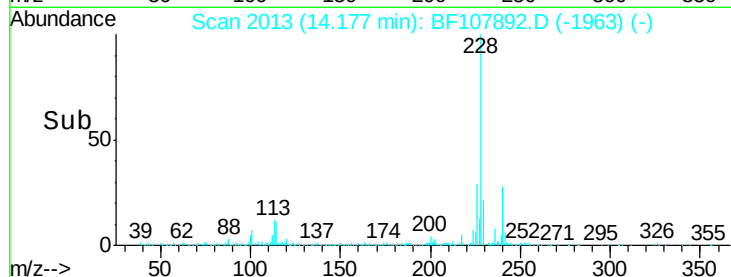
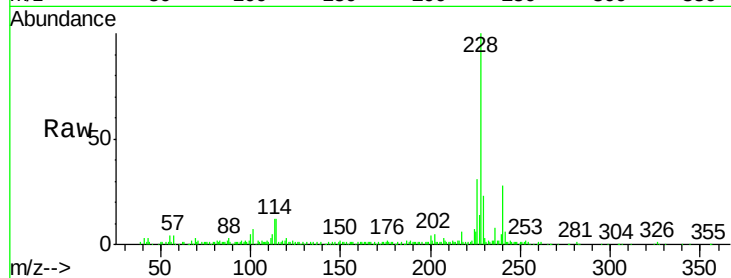
Tgt Ion:228 Resp: 136379

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

229 22.9 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.455 ng

RT: 17.28 min Scan# 2540

Delta R.T. 0.01 min

Lab File: BF107892.D

Acq: 1 Aug 2018 16:40

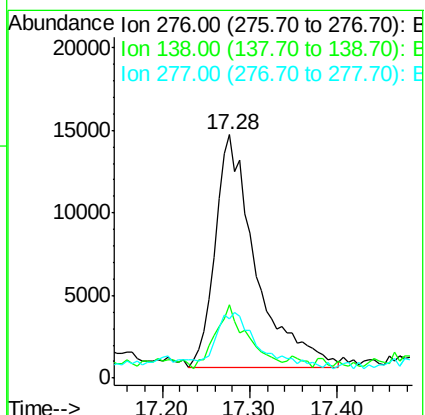
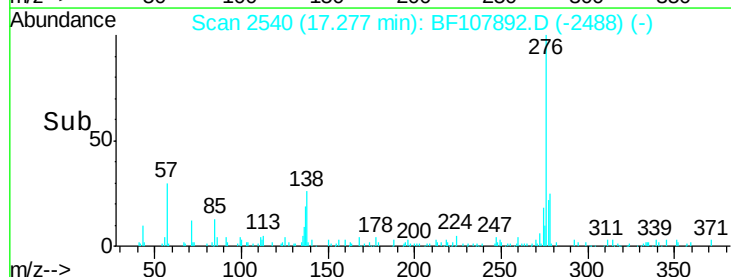
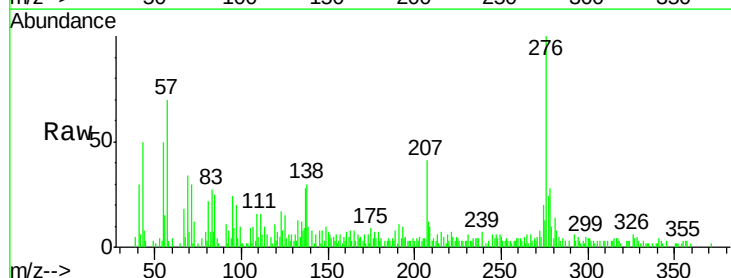
Tgt Ion:276 Resp: 44877

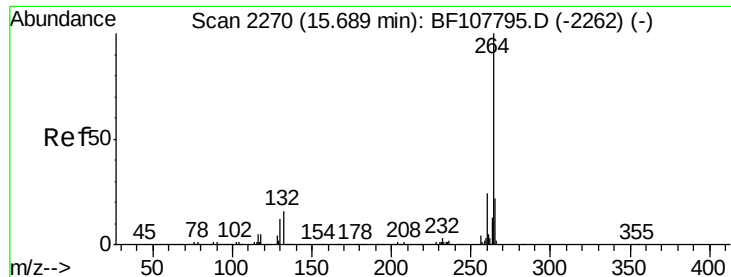
Ion Ratio Lower Upper

276 100

138 22.0 25.0 37.6#

277 23.0 20.1 30.1

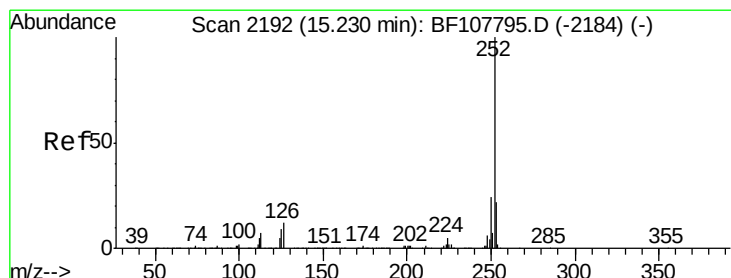
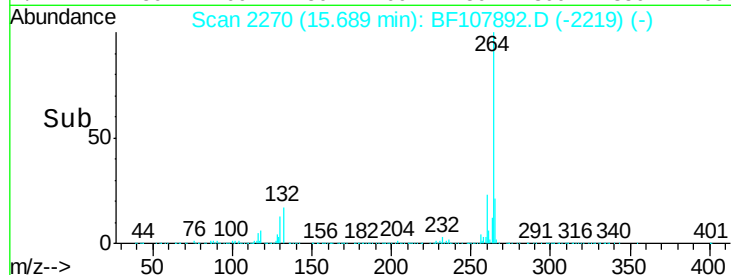
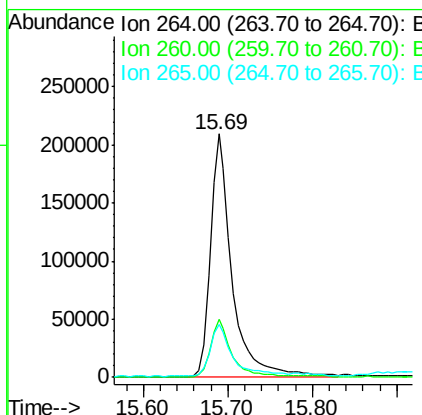
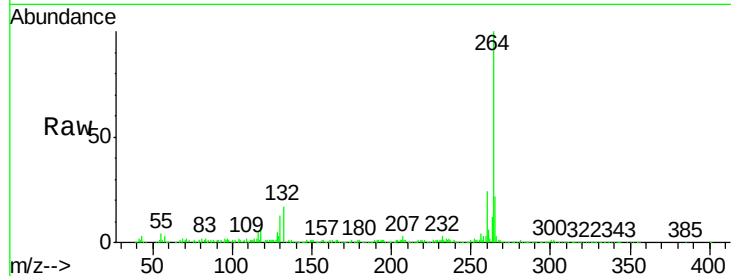




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: BF107892.D
 Acq: 1 Aug 2018 16:40

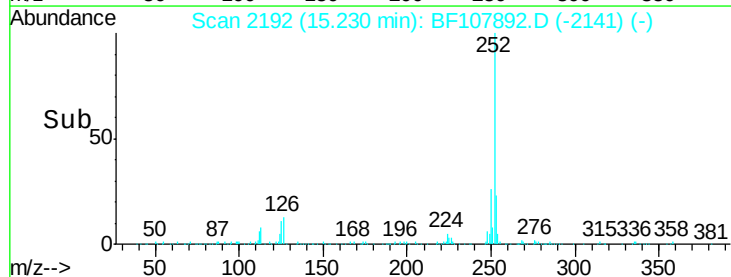
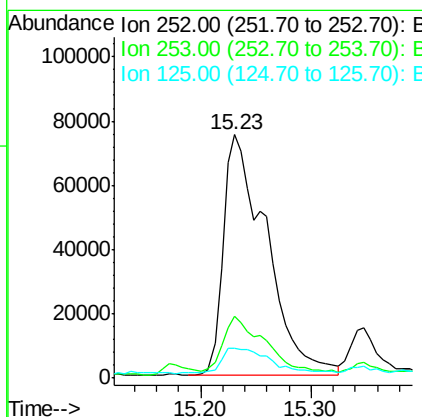
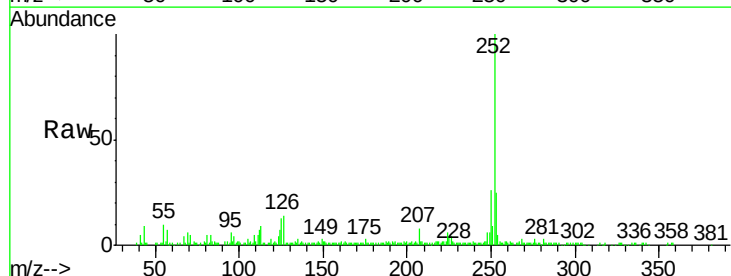
Instrument :
 BNA_F
 ClientSampleId :
 OK-03-073118

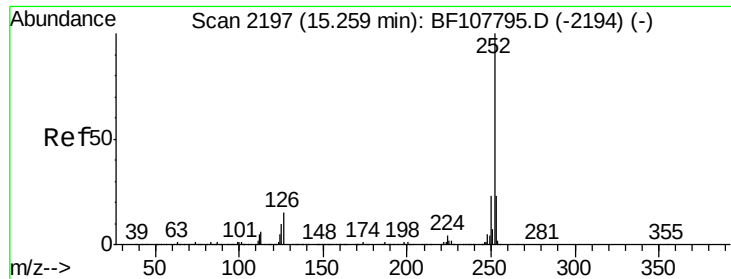
Tgt Ion: 264 Resp: 373861
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.8 17.5 26.3



#87
 Benzo(b)fluoranthene
 Concen: 11.086 ng
 RT: 15.23 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: BF107892.D
 Acq: 1 Aug 2018 16:40

Tgt Ion: 252 Resp: 204408
 Ion Ratio Lower Upper
 252 100
 253 25.2 17.0 25.6
 125 12.5 9.0 13.6

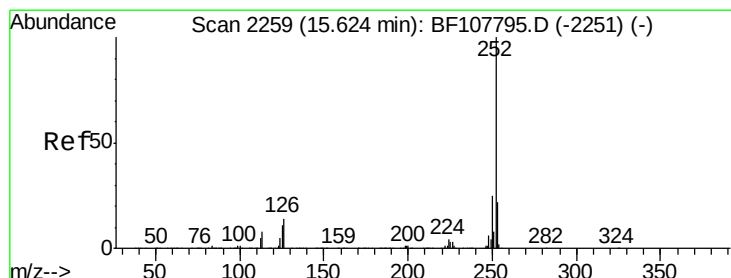
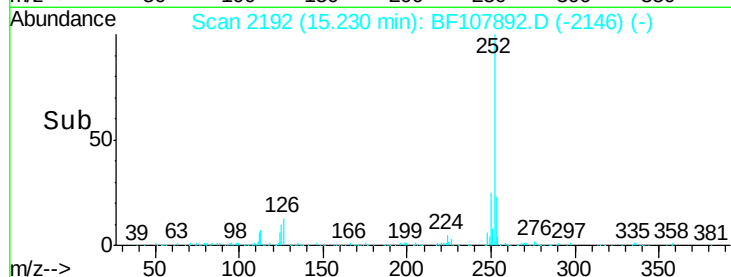
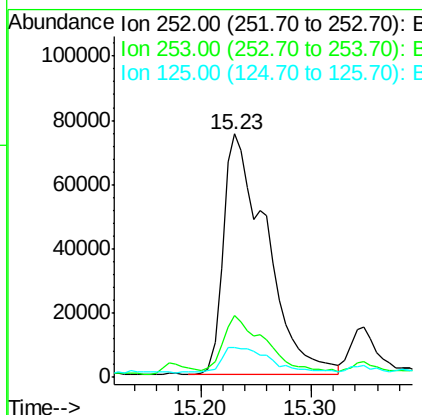
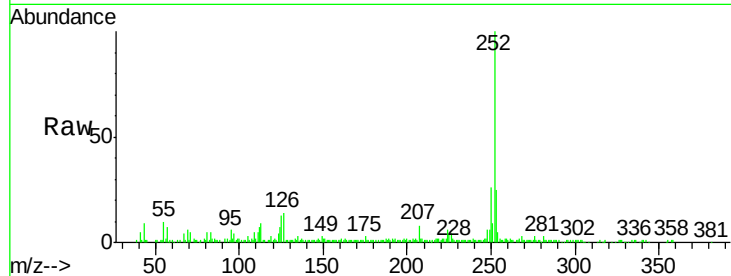




#88
Benzo(k)fluoranthene
Concen: 9.029 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107892.D
Acq: 1 Aug 2018 16:40

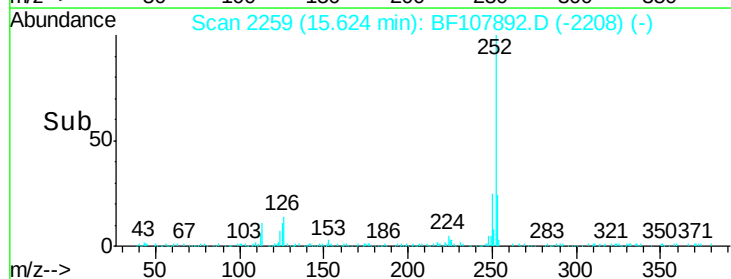
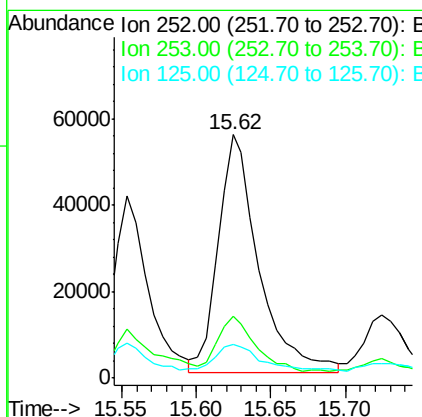
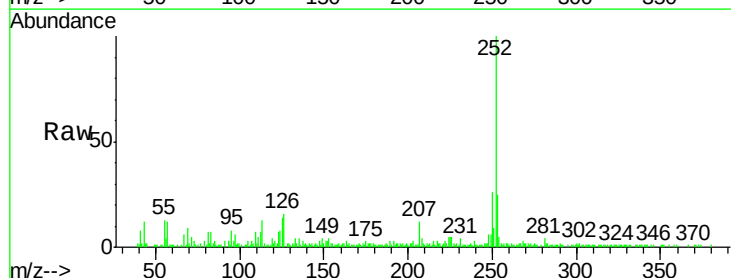
Instrument :
BNA_F
ClientSampleId :
OK-03-073118

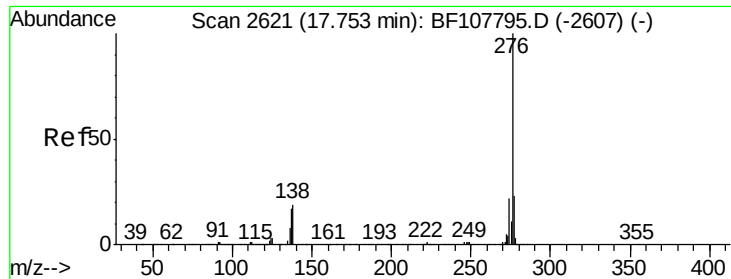
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.9	26.9
125	12.5	10.2	15.2



#89
Benzo(a)pyrene
Concen: 5.479 ng
RT: 15.62 min Scan# 2259
Delta R.T. 0.00 min
Lab File: BF107892.D
Acq: 1 Aug 2018 16:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.1	25.7
125	13.8	9.8	14.6

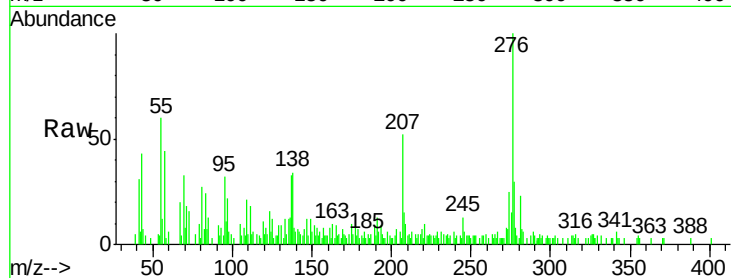




#91
 Benzo(g,h,i)perylene
 Concen: 2.535 ng
 RT: 17.76 min Scan# 2622
 Delta R.T. 0.01 min
 Lab File: BF107892.D
 Acq: 1 Aug 2018 16:40

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-073118

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.1	17.9	26.9
138	41.3	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

