

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071618\
 Data File : BF107425.D
 Acq On : 17 Jul 2018 1:38
 Operator : JU/SJ
 Sample : J3975-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAR-5

Quant Time: Jul 17 04:05:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 16 17:24:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	130815	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	447503	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	212061	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	426539	20.00	ng	0.00
75) Chrysene-d12	14.17	240	384534	20.00	ng	0.00
86) Perylene-d12	15.71	264	262466	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	738103	85.69	ng	0.01
7) Phenol-d6	6.61	99	917942	82.43	ng	0.01
23) Nitrobenzene-d5	7.54	82	606689	72.29	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	155859	83.65	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	670020	47.96	ng	0.00
78) Terphenyl-d14	13.11	244	672308	43.44	ng	0.00

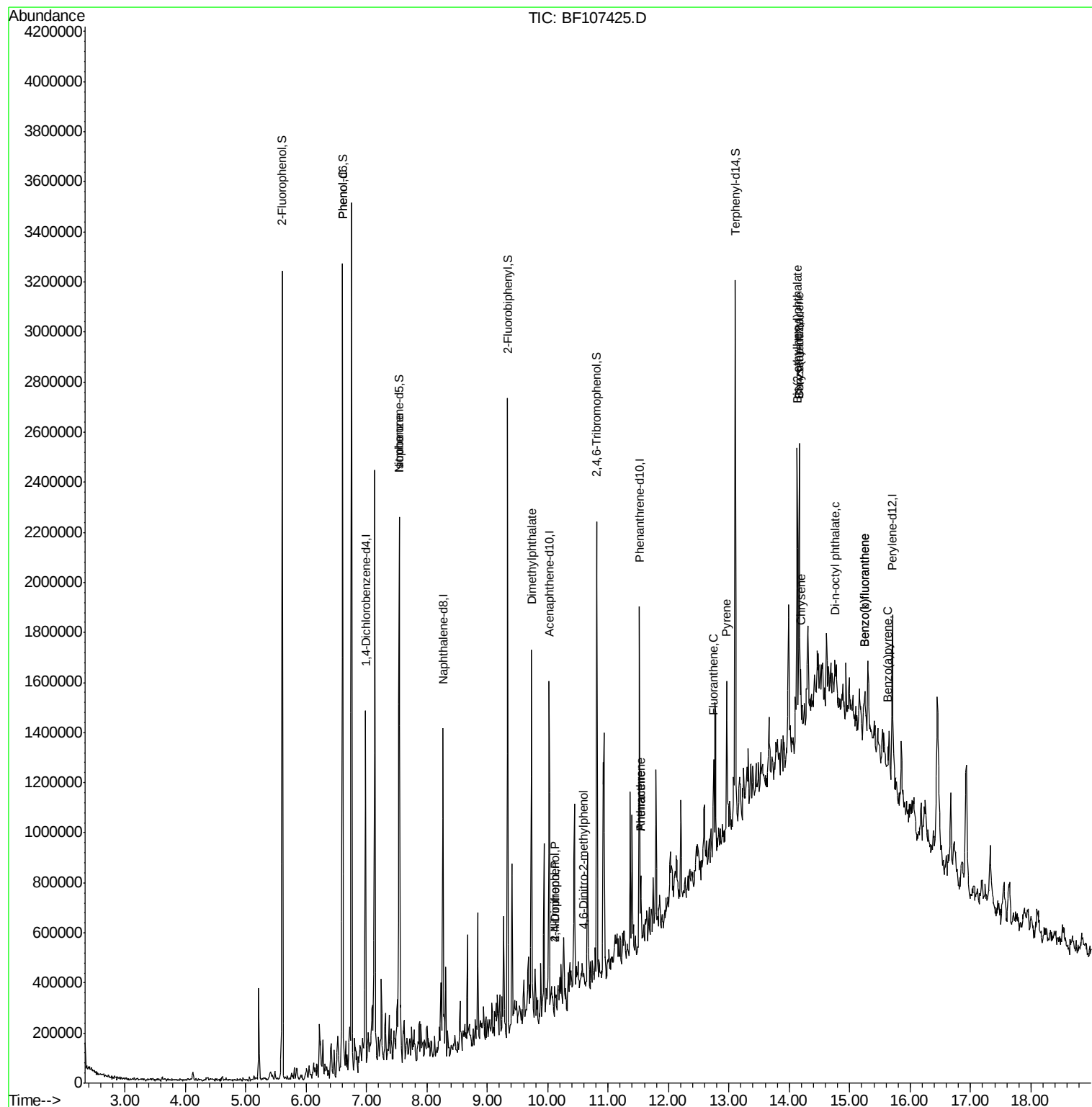
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.61	94	30260	2.535	ng	# 46
25) Isophorone	7.54	82	606471	36.459	ng	# 65
49) Dimethylphthalate	9.73	163	216094	12.825	ng	# 97
53) 2,4-Dinitrophenol	10.12	184	108	2.386	ng	# 1
55) 4-Nitrophenol	10.13	139	6169	2.257	ng	# 56
64) 4,6-Dinitro-2-methylphenol	10.60	198	623	7.719	ng	# 1
70) Phenanthrene	11.54	178	77512	3.646	ng	99
71) Anthracene	11.54	178	77512	3.661	ng	99
74) Fluoranthene	12.75	202	159141	6.587	ng	90
77) Pyrene	12.97	202	151187	5.782	ng	95
80) Benzo(a)anthracene	14.16	228	84794	3.604	ng	# 93
82) Chrysene	14.19	228	85537	3.806	ng	96
83) Bis(2-ethylhexyl)phthalate	14.13	149	328815	24.090	ng	95
84) Di-n-octyl phthalate	14.75	149	67243	3.169	ng	# 4
87) Benzo(b)fluoranthene	15.24	252	90537	5.893	ng	# 56
88) Benzo(k)fluoranthene	15.24	252	90499	6.036	ng	# 59
89) Benzo(a)pyrene	15.64	252	48717	3.455	ng	# 83

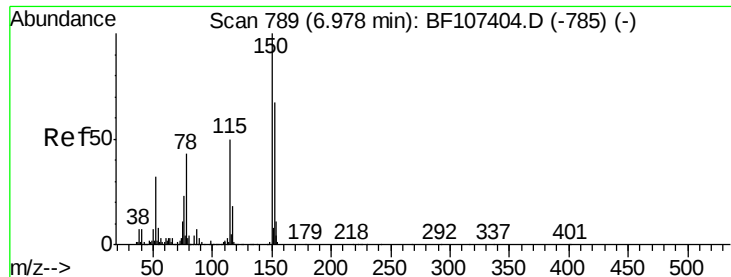
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071618\
Data File : BF107425.D
Acq On : 17 Jul 2018 1:38
Operator : JU/SJ
Sample : J3975-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAR-5

Quant Time: Jul 17 04:05:50 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 16 17:24:26 2018
Response via : Initial Calibration



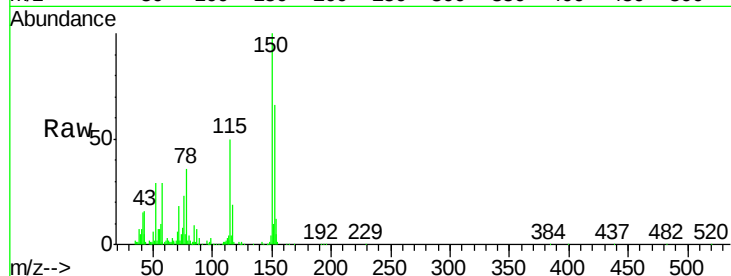


#1

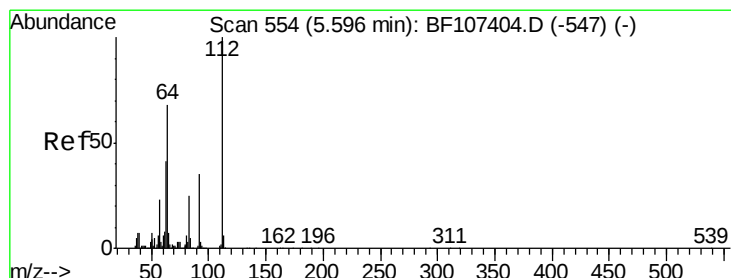
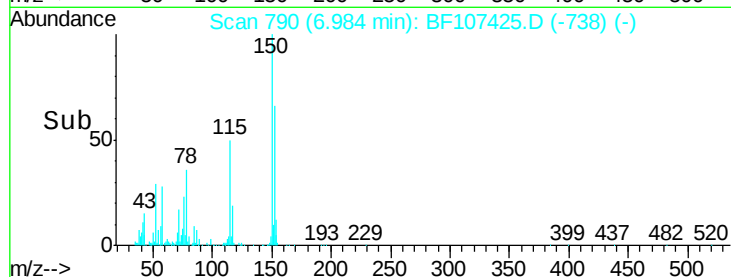
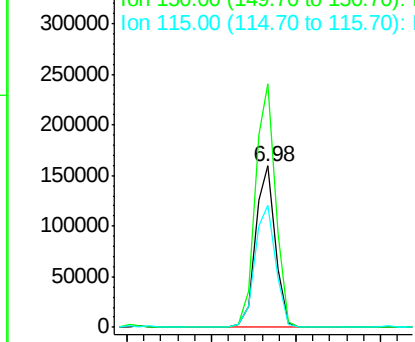
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.98 min Scan# 790
 Delta R.T. 0.01 min
 Lab File: BF107425.D
 Acq: 17 Jul 2018 1:38

Instrument :
 BNA_F
 ClientSampleId :
 PAR-5

Tgt Ion:152 Resp: 130815
 Ion Ratio Lower Upper
 152 100
 150 151.0 124.6 186.8
 115 75.9 50.1 75.1#



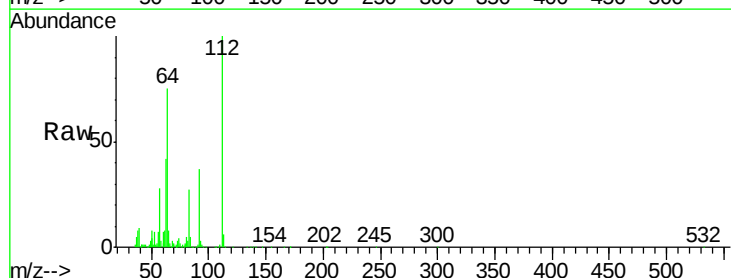
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



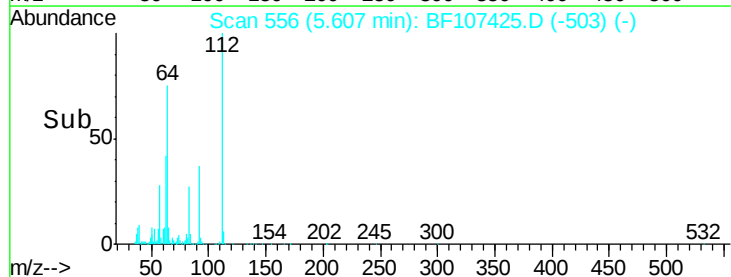
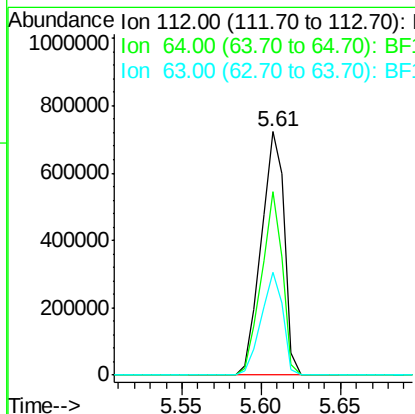
#5

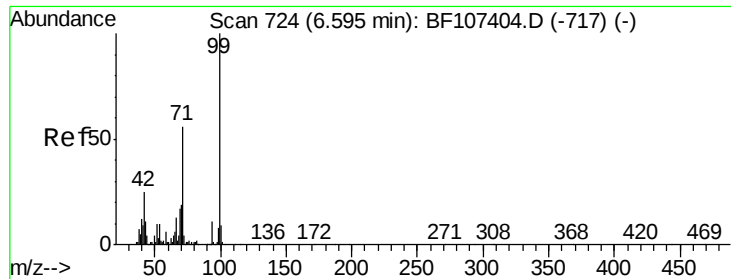
2-Fluorophenol
 Concen: 85.693 ng
 RT: 5.61 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF107425.D
 Acq: 17 Jul 2018 1:38

Tgt Ion:112 Resp: 738103
 Ion Ratio Lower Upper
 112 100
 64 75.3 47.9 71.9#
 63 42.3 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: 82.429 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.01 min

Lab File: BF107425.D

Acq: 17 Jul 2018 1:38

Instrument :

BNA_F

ClientSampleId :

PAR-5

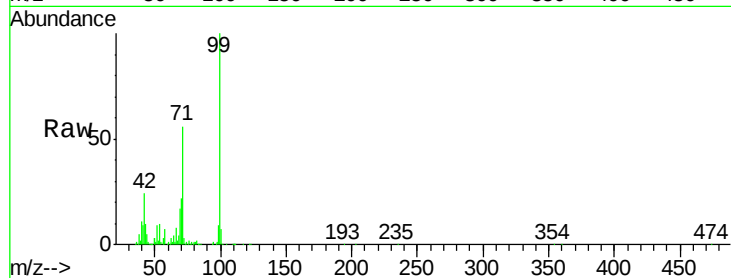
Tgt Ion: 99 Resp: 917942

Ion Ratio Lower Upper

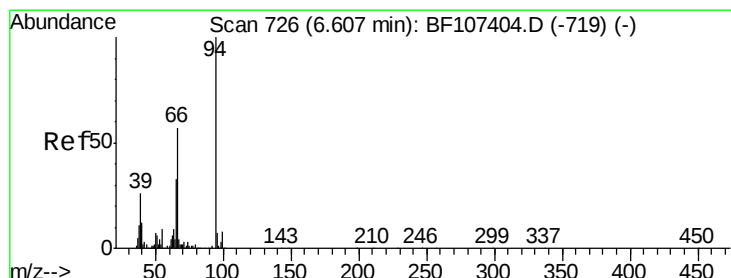
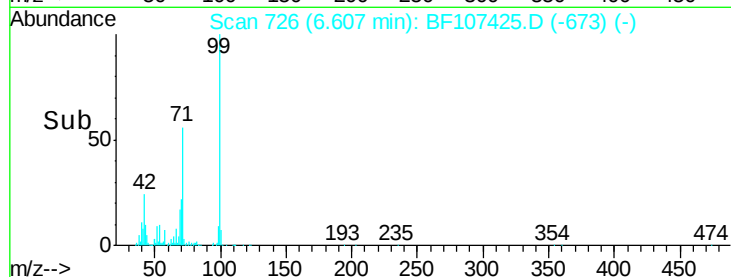
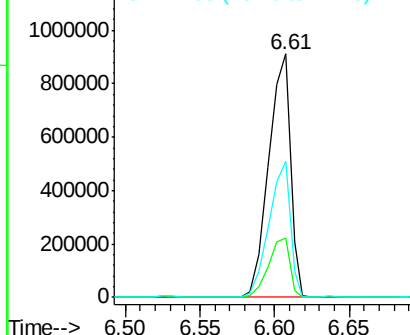
99 100

42 24.3 14.5 21.7#

71 55.8 25.4 38.0#



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.535 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF107425.D

Acq: 17 Jul 2018 1:38

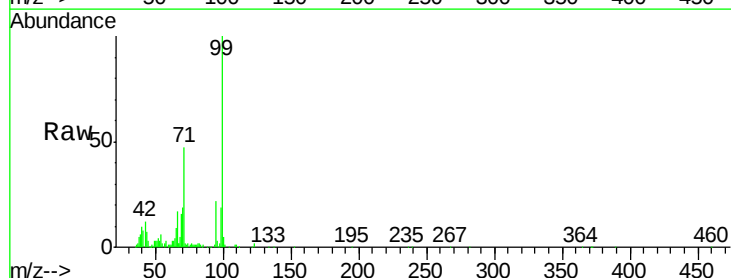
Tgt Ion: 94 Resp: 30260

Ion Ratio Lower Upper

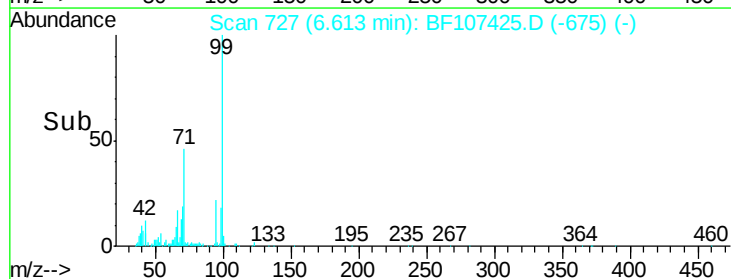
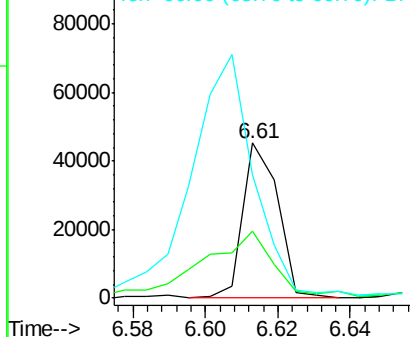
94 100

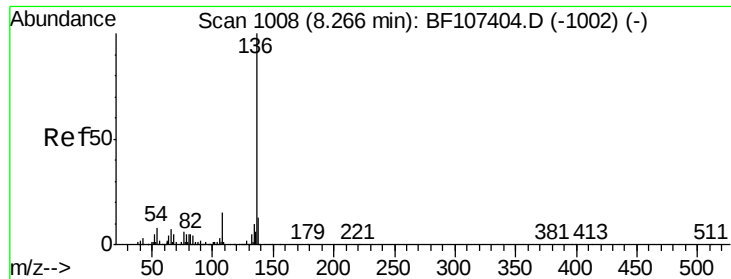
65 43.5 7.9 47.9

66 79.4 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

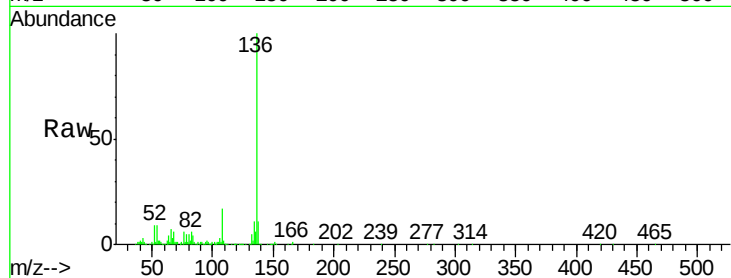




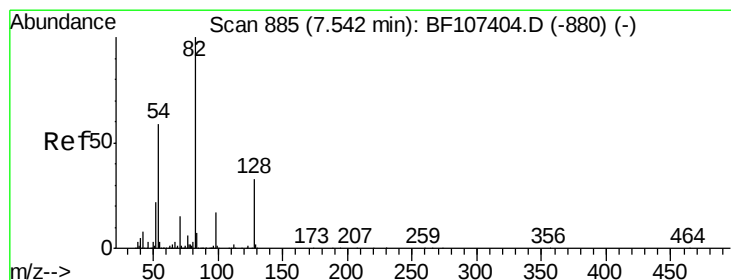
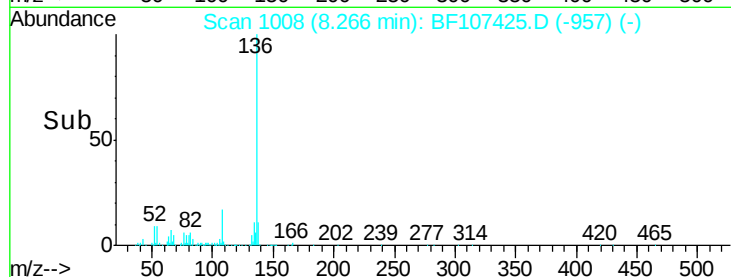
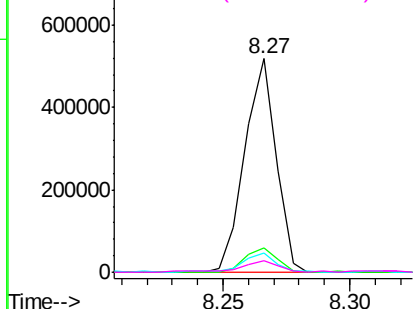
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF107425.D
Acq: 17 Jul 2018 1:38

Instrument :
BNA_F
ClientSampleId :
PAR-5

Tgt Ion:	136	Resp:	447503
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	9.2	6.6	9.8
68	5.7	5.0	7.4

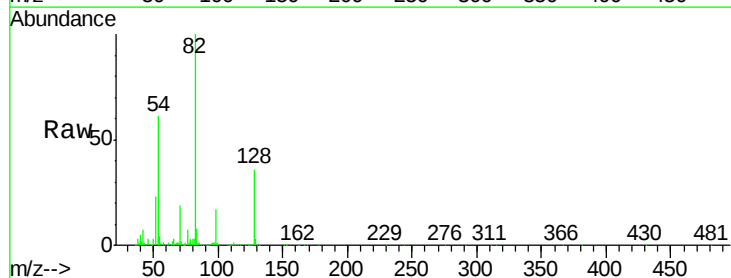


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

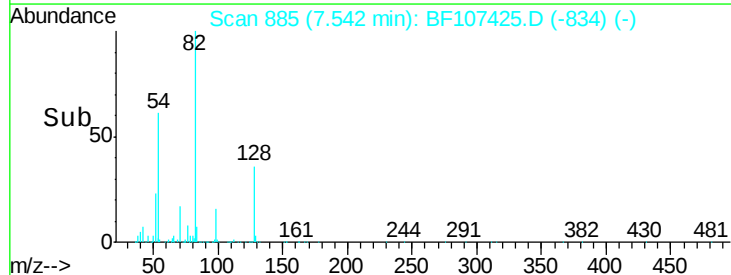
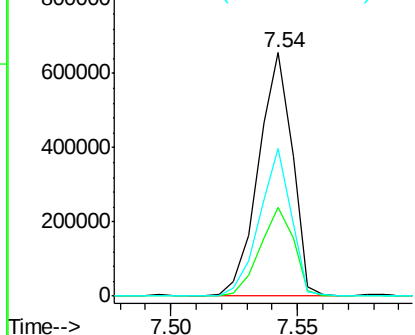


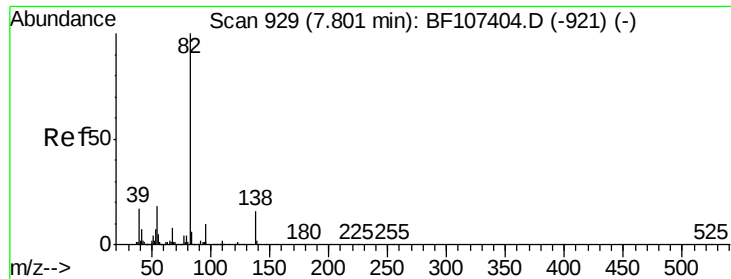
#23
Nitrobenzene-d5
Concen: 72.293 ng
RT: 7.54 min Scan# 885
Delta R.T. -0.00 min
Lab File: BF107425.D
Acq: 17 Jul 2018 1:38

Tgt Ion:	82	Resp:	606689
Ion	Ratio	Lower	Upper
82	100		
128	36.2	36.1	54.1
54	60.8	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: 36.459 ng

RT: 7.54 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF107425.D

Acq: 17 Jul 2018 1:38

Instrument :

BNA_F

ClientSampleId :

PAR-5

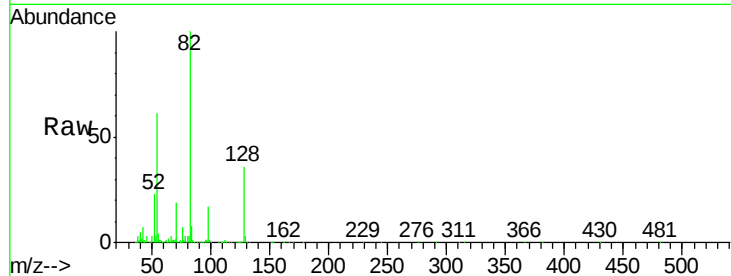
Tgt Ion: 82 Resp: 606471

Ion Ratio Lower Upper

82 100

95 0.6 5.2 7.8#

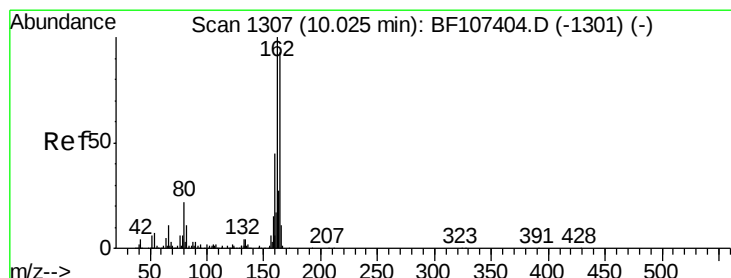
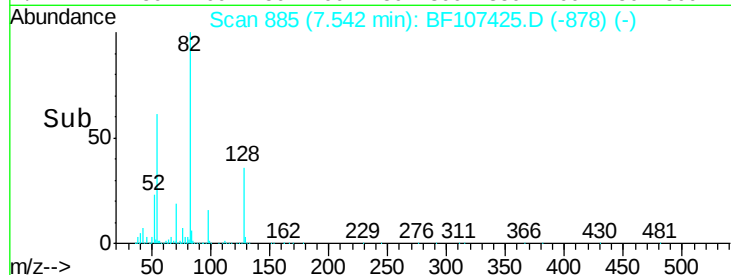
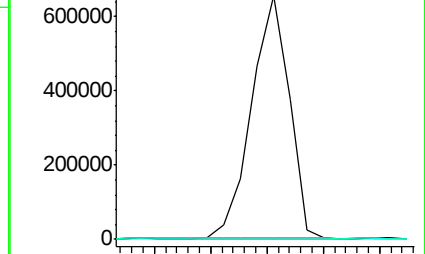
138 0.0 14.9 22.3#



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: 10.02 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BF107425.D

Acq: 17 Jul 2018 1:38

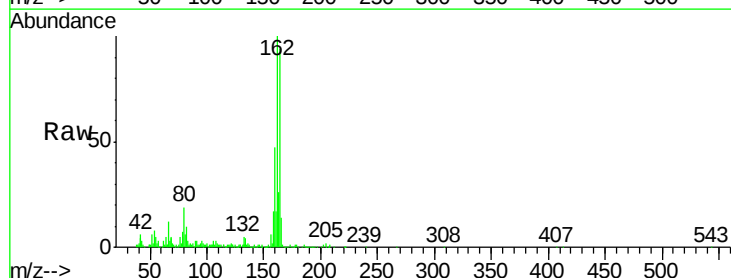
Tgt Ion: 164 Resp: 212061

Ion Ratio Lower Upper

164 100

162 106.5 86.1 129.1

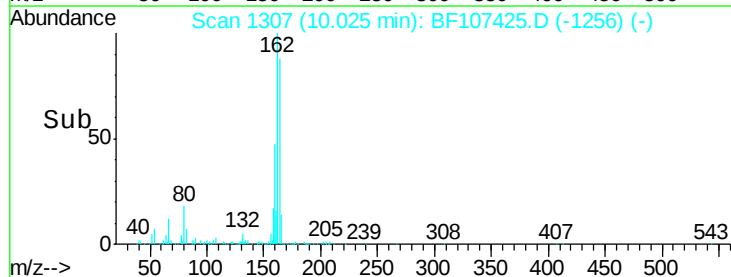
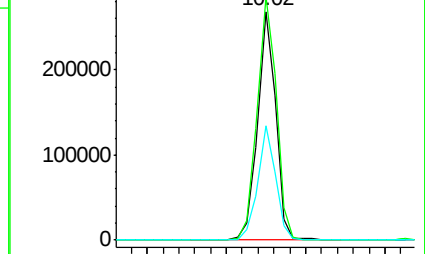
160 49.9 38.3 57.5

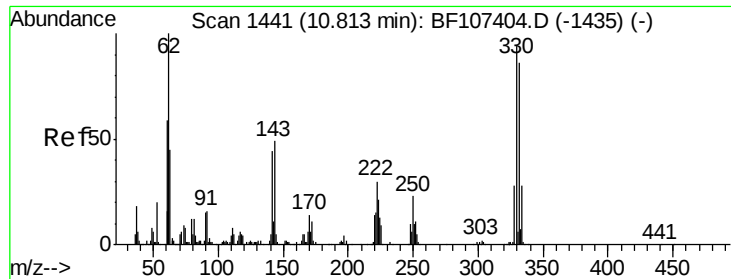


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

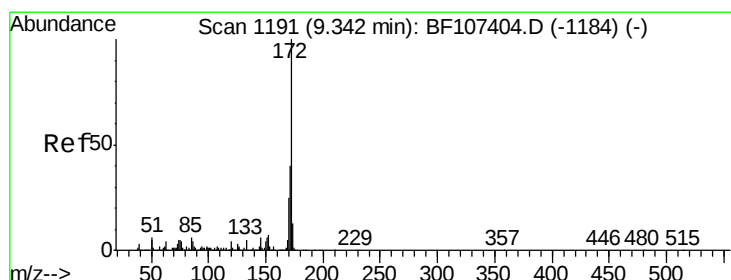
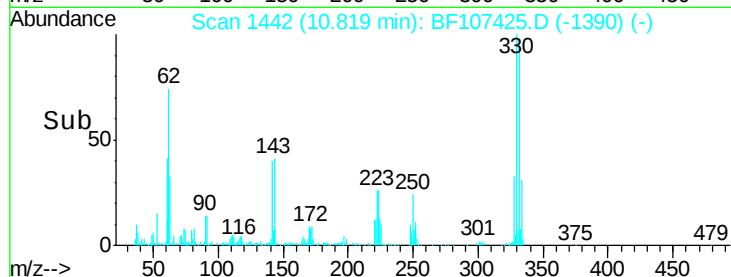
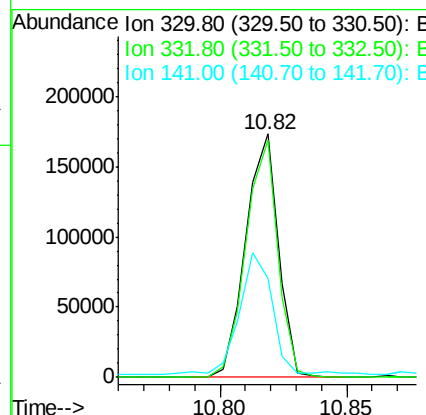
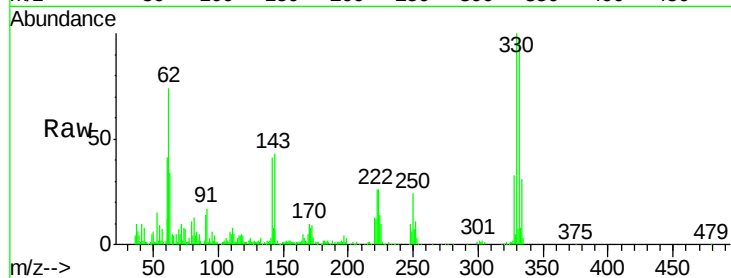




#41
 2,4,6-Tribromophenol
 Concen: 83.651 ng
 RT: 10.82 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: BF107425.D
 Acq: 17 Jul 2018 1:38

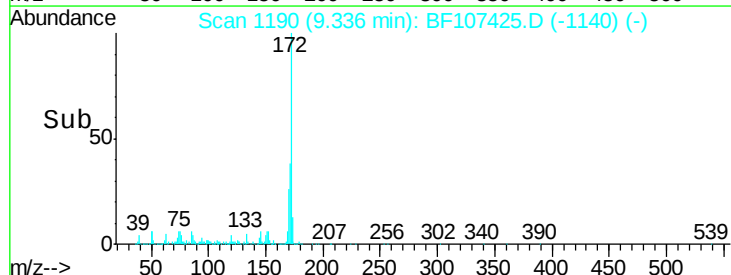
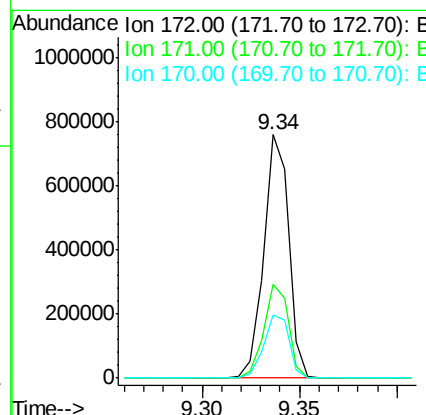
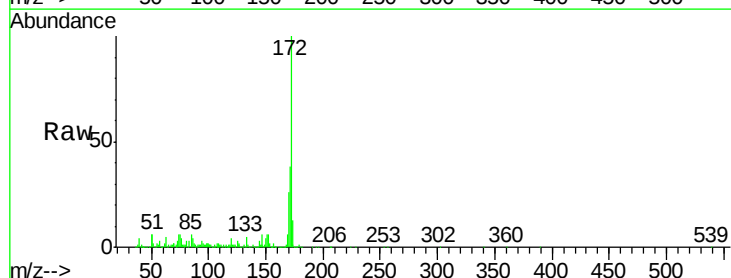
Instrument :
 BNA_F
 ClientSampleId :
 PAR-5

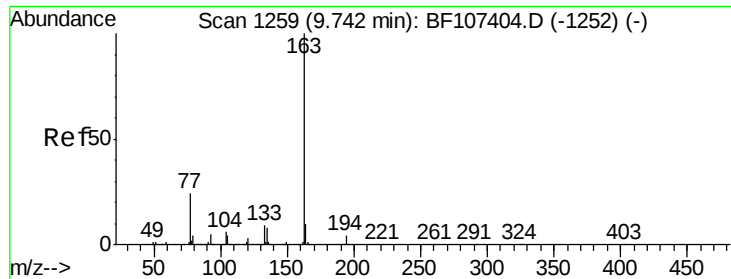
Tgt Ion:330 Resp: 155859
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 51.9 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 47.957 ng
 RT: 9.34 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF107425.D
 Acq: 17 Jul 2018 1:38

Tgt Ion:172 Resp: 670020
 Ion Ratio Lower Upper
 172 100
 171 38.4 29.7 44.5
 170 26.1 19.6 29.4

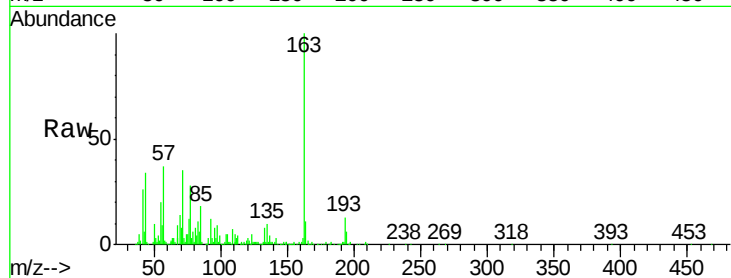




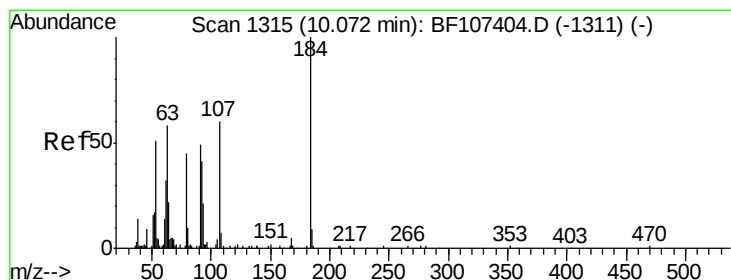
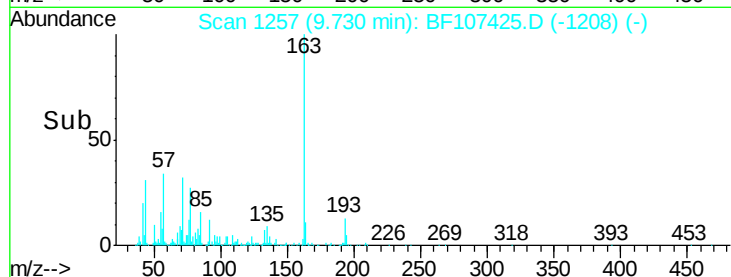
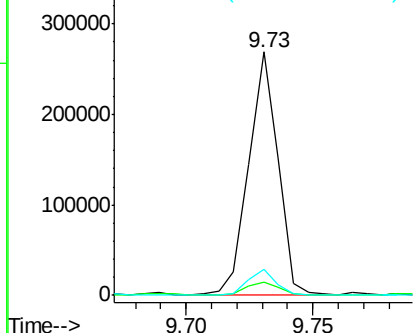
#49
Dimethylphthalate
Concen: 12.825 ng
RT: 9.73 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF107425.D
Acq: 17 Jul 2018 1:38

Instrument :
BNA_F
ClientSampleId :
PAR-5

Tgt Ion:163 Resp: 216094
Ion Ratio Lower Upper
163 100
194 5.6 2.7 4.1#
164 10.8 8.2 12.2

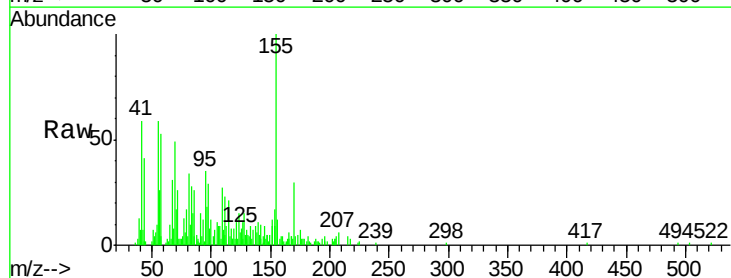


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

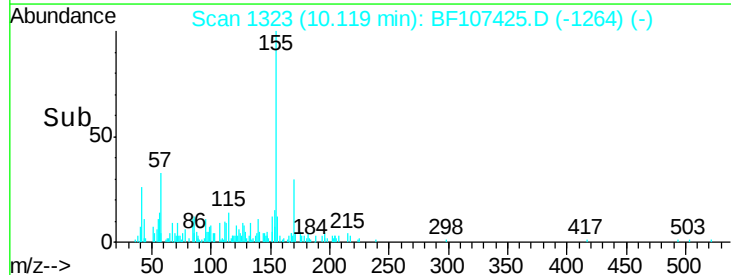
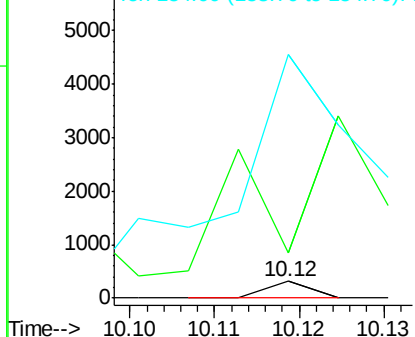


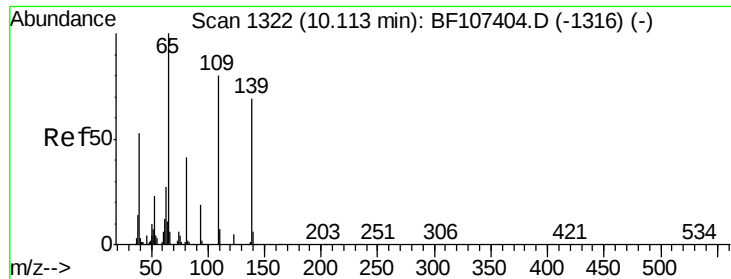
#53
2,4-Dinitrophenol
Concen: 2.386 ng
RT: 10.12 min Scan# 1323
Delta R.T. 0.05 min
Lab File: BF107425.D
Acq: 17 Jul 2018 1:38

Tgt Ion:184 Resp: 108
Ion Ratio Lower Upper
184 100
63 275.6 54.2 81.2#
154 1482.7 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

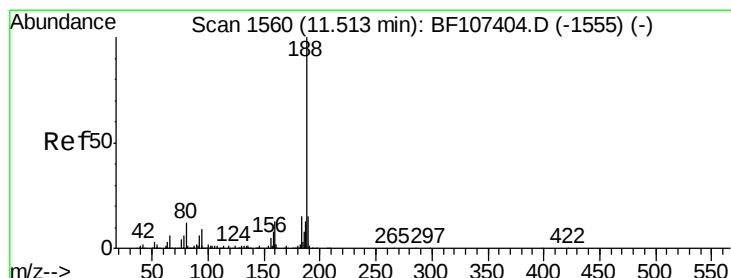
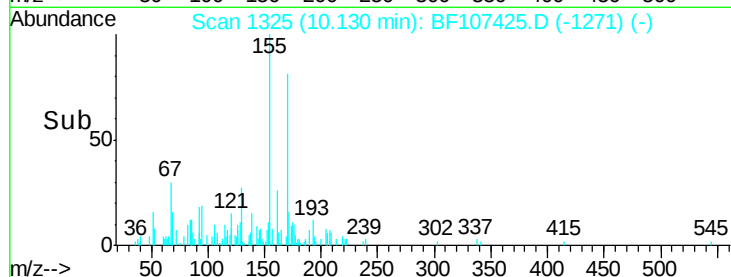
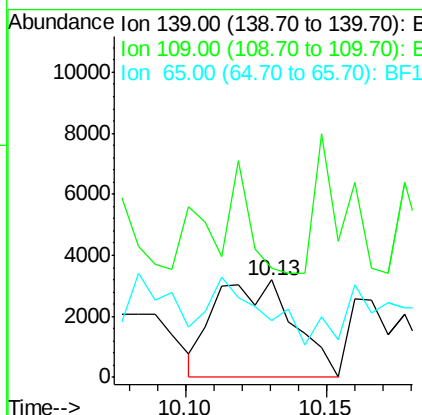
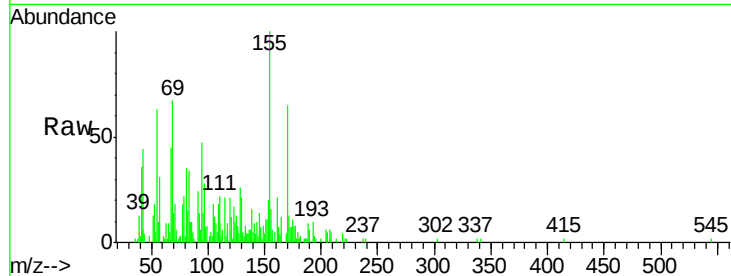




#55
4-Nitrophenol
Concen: 2.257 ng
RT: 10.13 min Scan# 1325
Delta R.T. 0.02 min
Lab File: BF107425.D
Acq: 17 Jul 2018 1:38

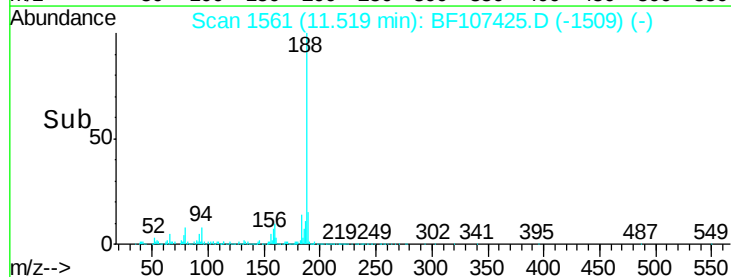
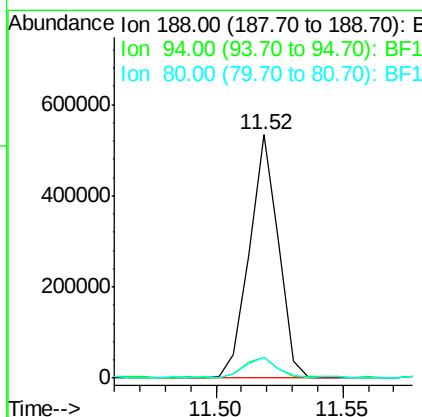
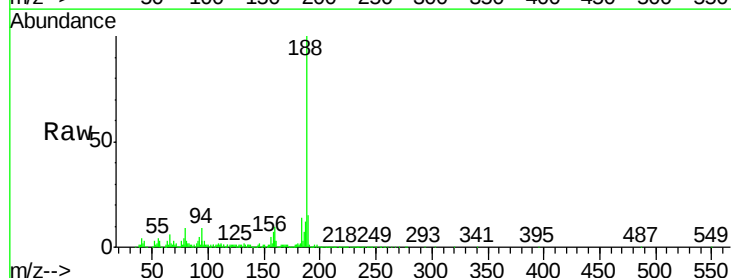
Instrument :
BNA_F
ClientSampled :
PAR-5

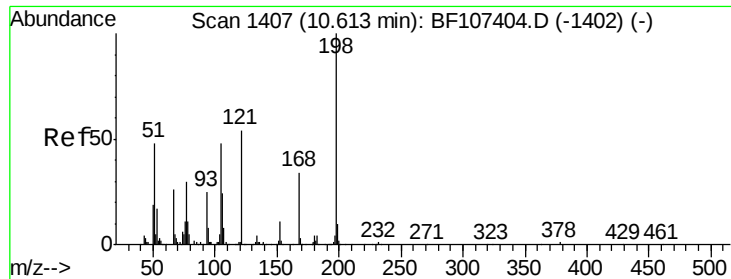
Tgt Ion:139 Resp: 6169
Ion Ratio Lower Upper
139 100
109 112.2 48.4 88.4#
65 58.1 72.6 112.6#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF107425.D
Acq: 17 Jul 2018 1:38

Tgt Ion:188 Resp: 426539
Ion Ratio Lower Upper
188 100
94 8.6 8.5 12.7
80 8.5 9.2 13.8#

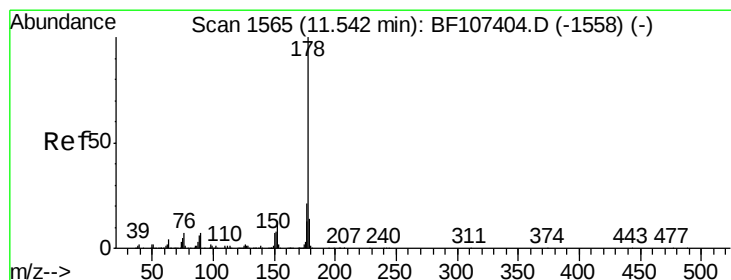
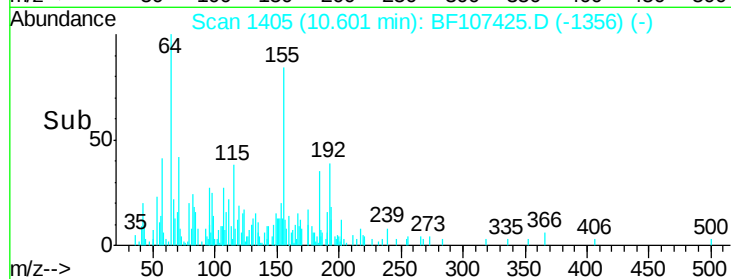
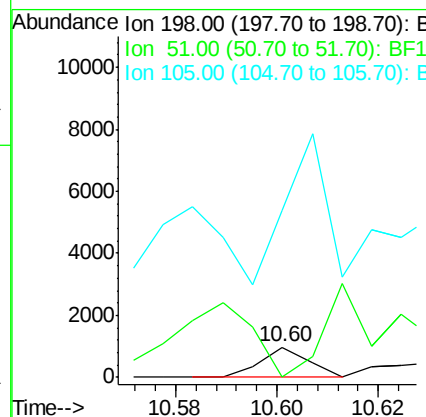
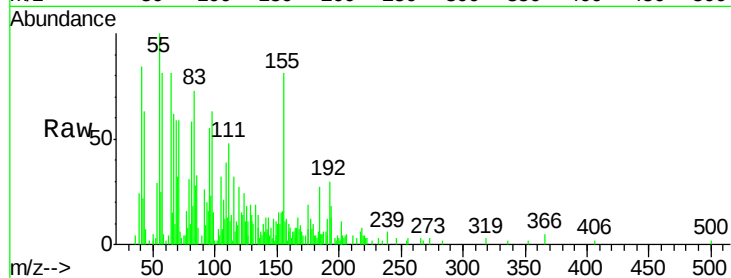




#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.719 ng
 RT: 10.60 min Scan# 1405
 Delta R.T. -0.01 min
 Lab File: BF107425.D
 Acq: 17 Jul 2018 1:38

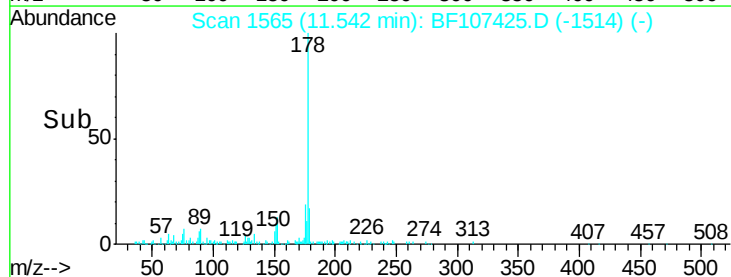
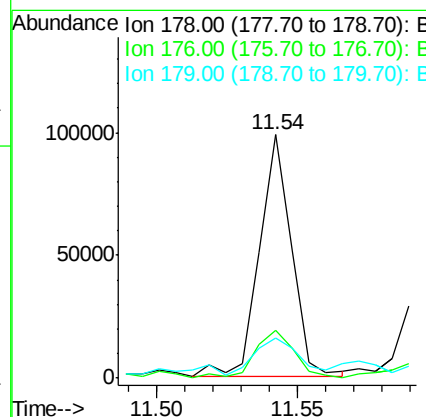
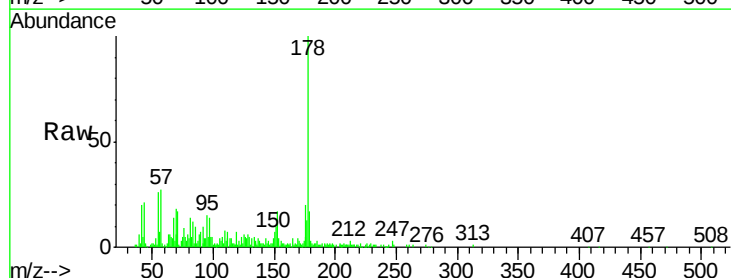
Instrument :
 BNA_F
 ClientSampleId :
 PAR-5

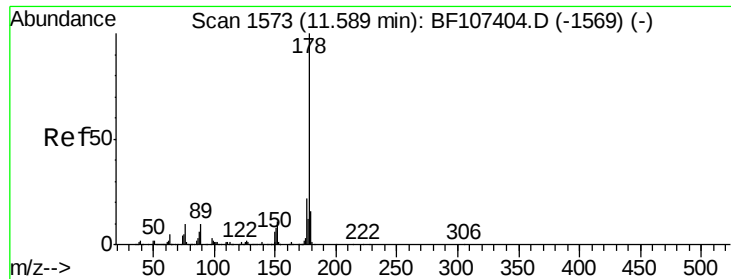
Tgt Ion:198 Resp: 623
 Ion Ratio Lower Upper
 198 100
 51 0.0 37.7 77.7#
 105 552.5 36.3 76.3#



#70
 Phenanthrene
 Concen: 3.646 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: BF107425.D
 Acq: 17 Jul 2018 1:38

Tgt Ion:178 Resp: 77512
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 16.6 13.0 19.6

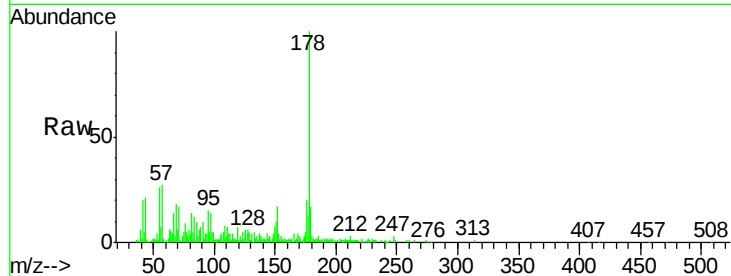




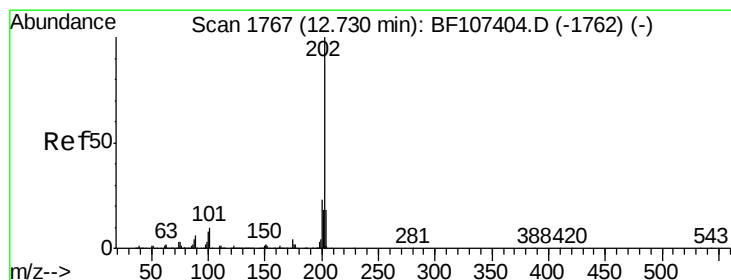
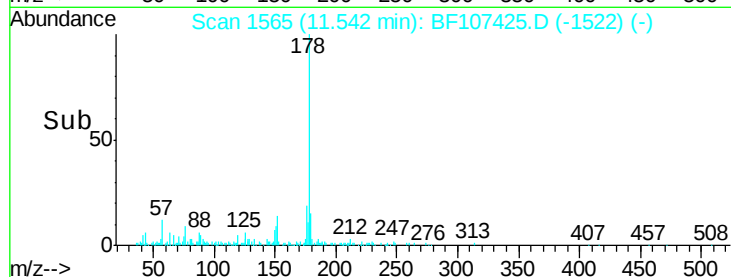
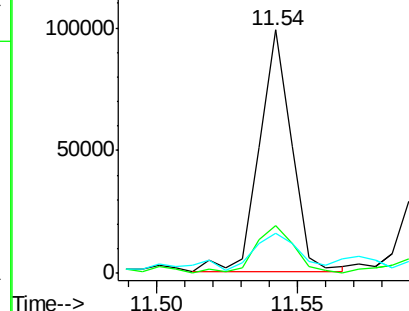
#71
 Anthracene
 Concen: 3.661 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.05 min
 Lab File: BF107425.D
 Acq: 17 Jul 2018 1:38

Instrument :
 BNA_F
 ClientSampleId :
 PAR-5

Tgt Ion:178 Resp: 77512
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.2
 179 16.6 12.6 19.0

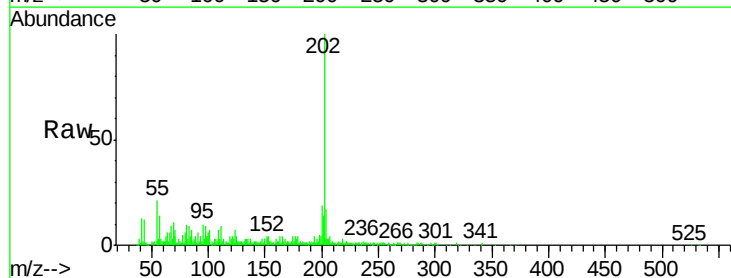


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

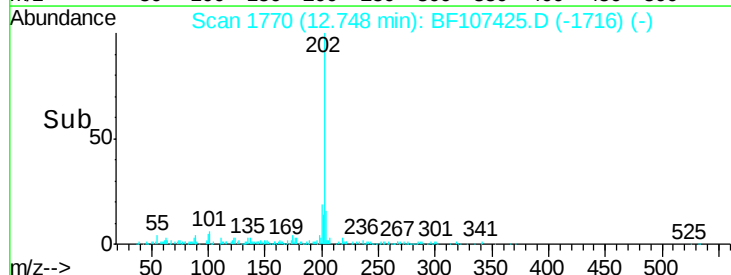
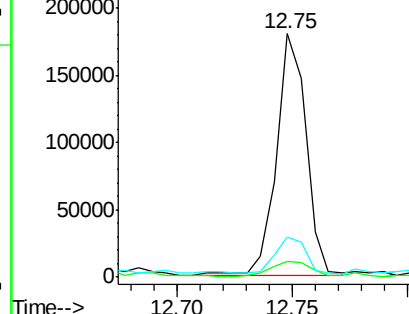


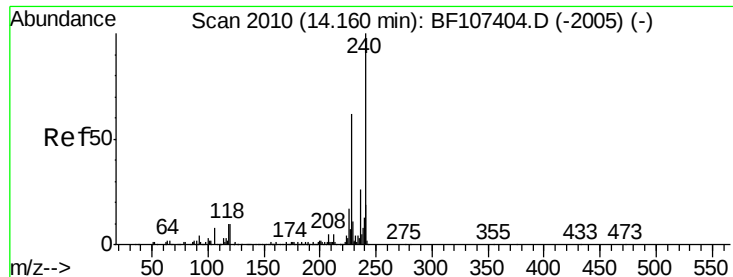
#74
 Fluoranthene
 Concen: 6.587 ng
 RT: 12.75 min Scan# 1770
 Delta R.T. 0.02 min
 Lab File: BF107425.D
 Acq: 17 Jul 2018 1:38

Tgt Ion:202 Resp: 159141
 Ion Ratio Lower Upper
 202 100
 101 6.5 0.0 34.1
 203 16.5 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: 14.17 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF107425.D

Acq: 17 Jul 2018 1:38

Instrument :

BNA_F

ClientSampleId :

PAR-5

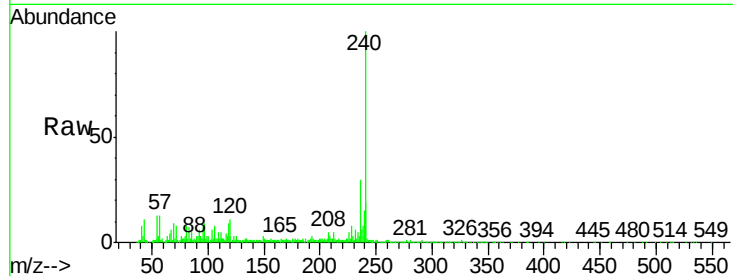
Tgt Ion:240 Resp: 384534

Ion Ratio Lower Upper

240 100

120 10.5 9.5 14.3

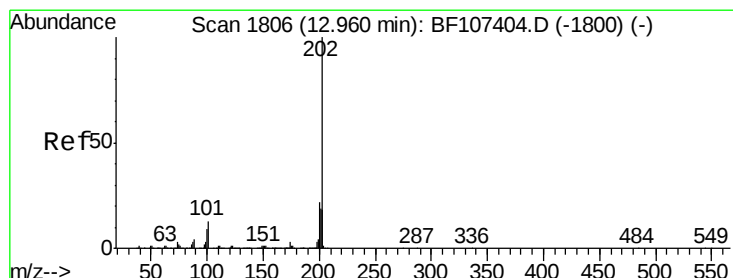
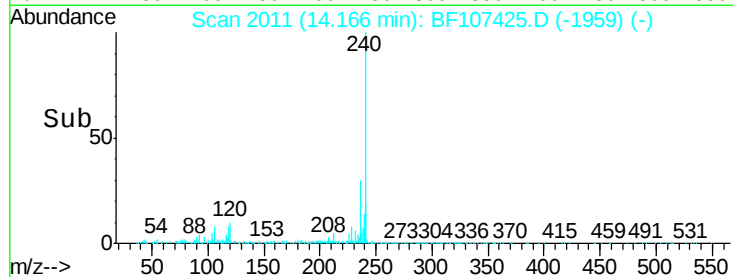
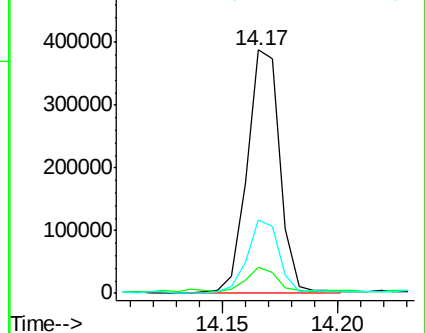
236 30.2 20.7 31.1



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: 5.782 ng

RT: 12.97 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BF107425.D

Acq: 17 Jul 2018 1:38

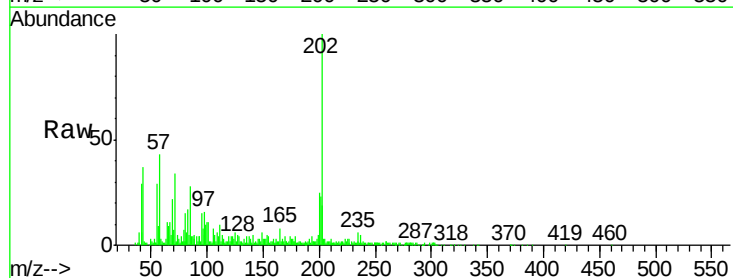
Tgt Ion:202 Resp: 151187

Ion Ratio Lower Upper

202 100

200 25.3 17.4 26.2

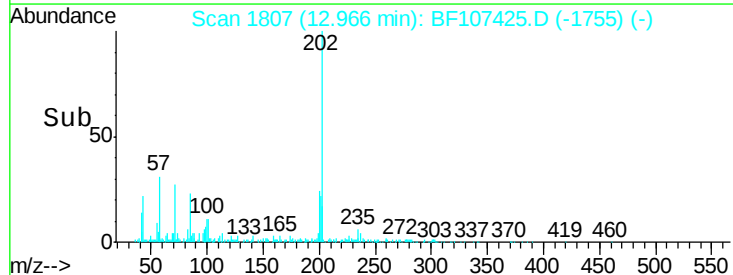
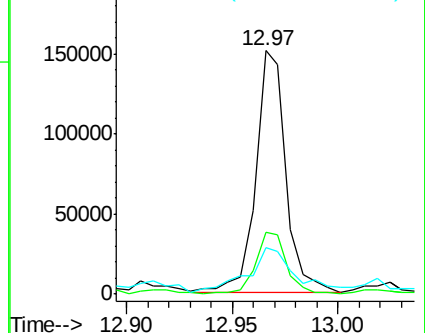
203 19.2 14.3 21.5

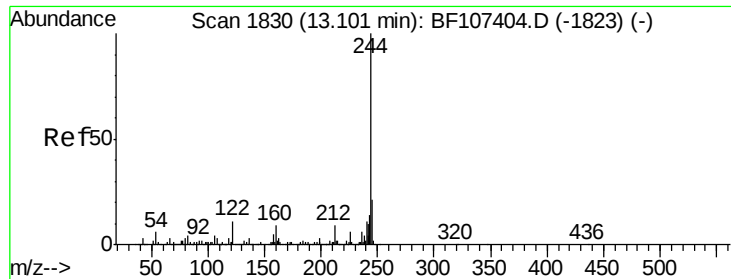


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 43.440 ng

RT: 13.11 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF107425.D

Acq: 17 Jul 2018 1:38

Instrument :

BNA_F

ClientSampleId :

PAR-5

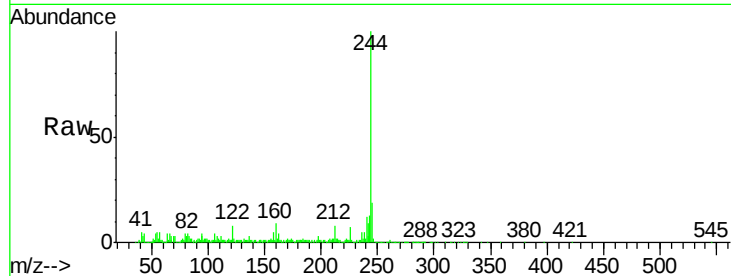
Tgt Ion:244 Resp: 672308

Ion Ratio Lower Upper

244 100

212 8.3 5.4 8.0#

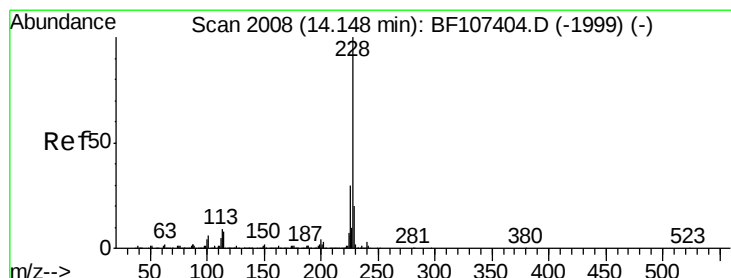
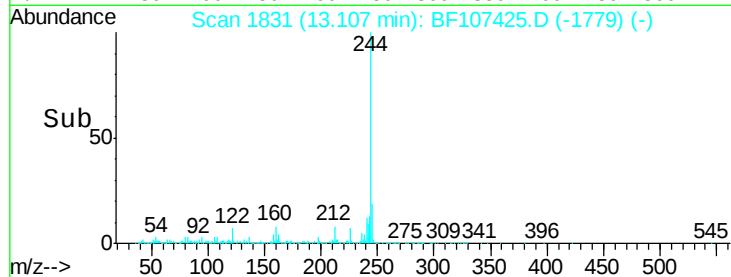
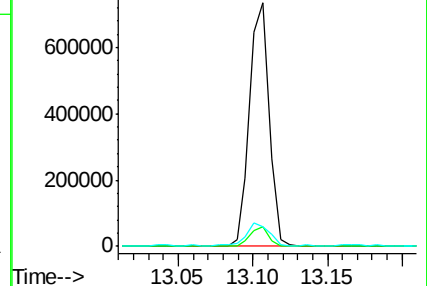
122 7.8 11.0 16.4#



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: 3.604 ng

RT: 14.16 min Scan# 2010

Delta R.T. 0.01 min

Lab File: BF107425.D

Acq: 17 Jul 2018 1:38

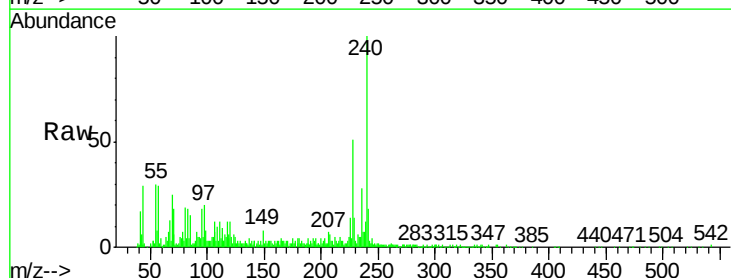
Tgt Ion:228 Resp: 84794

Ion Ratio Lower Upper

228 100

226 27.9 22.6 33.8

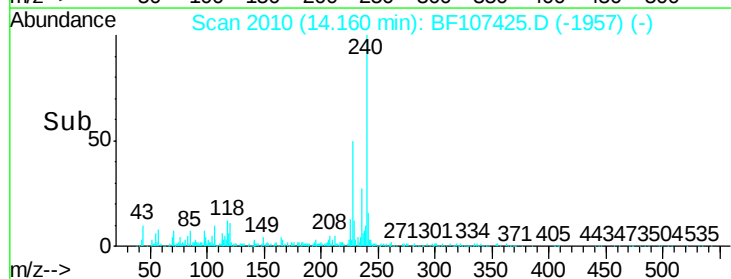
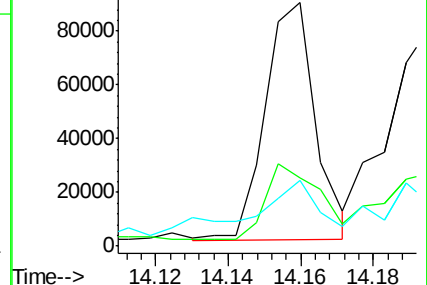
229 27.0 15.8 23.6#

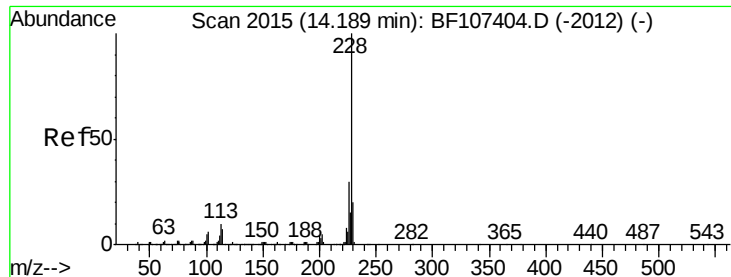


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.806 ng

RT: 14.19 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BF107425.D

Acq: 17 Jul 2018 1:38

Instrument :

BNA_F

ClientSampleId :

PAR-5

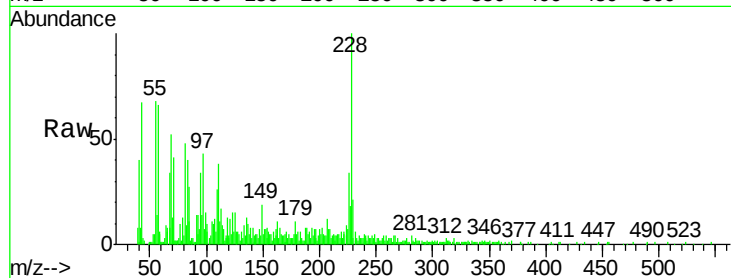
Tgt Ion:228 Resp: 85537

Ion Ratio Lower Upper

228 100

226 34.0 25.0 37.6

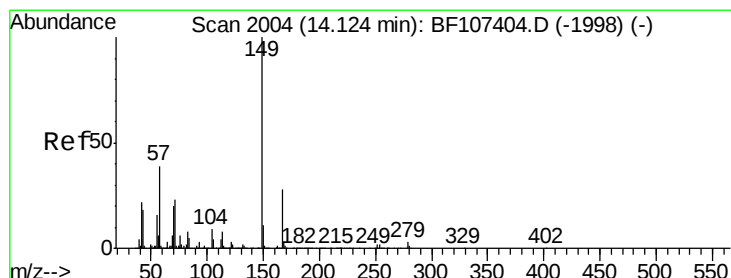
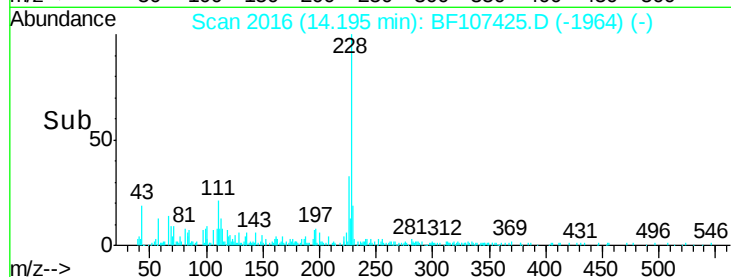
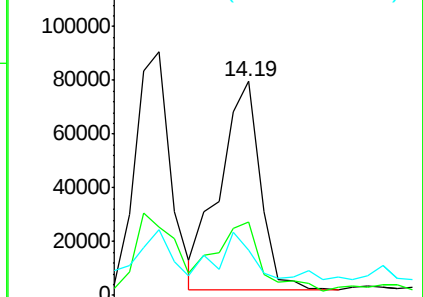
229 21.4 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 24.090 ng

RT: 14.13 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF107425.D

Acq: 17 Jul 2018 1:38

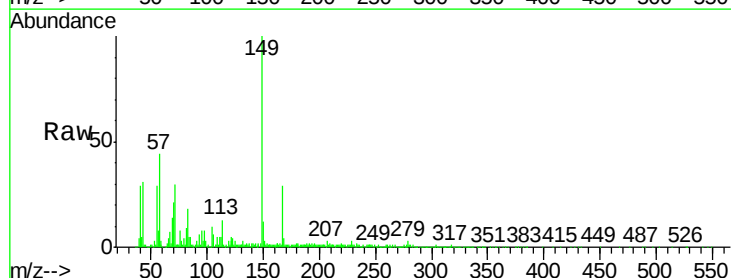
Tgt Ion:149 Resp: 328815

Ion Ratio Lower Upper

149 100

167 29.4 21.3 31.9

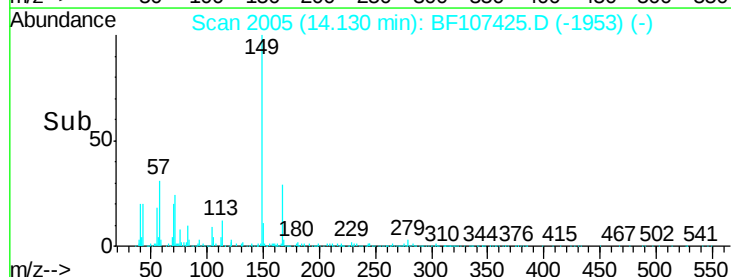
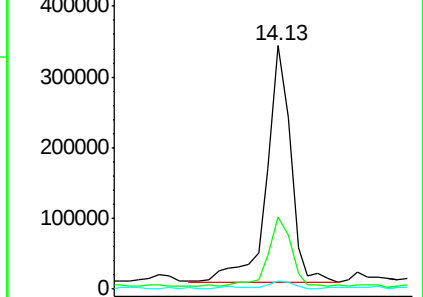
279 3.3 3.0 4.4

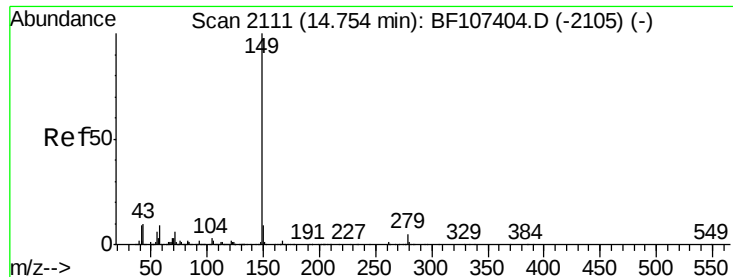


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 3.169 ng

RT: 14.75 min Scan# 2111

Delta R.T. -0.00 min

Lab File: BF107425.D

Acq: 17 Jul 2018 1:38

Instrument :

BNA_F

ClientSampleId :

PAR-5

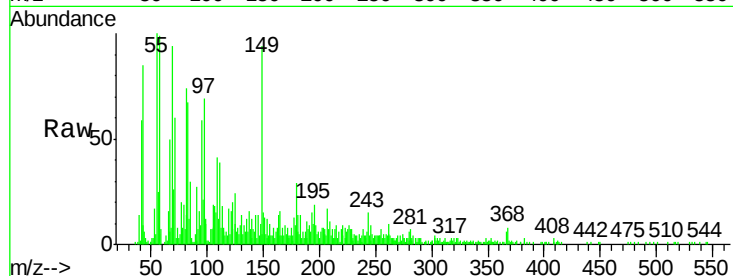
Tgt Ion:149 Resp: 67243

Ion Ratio Lower Upper

149 100

167 2.4 1.2 1.8#

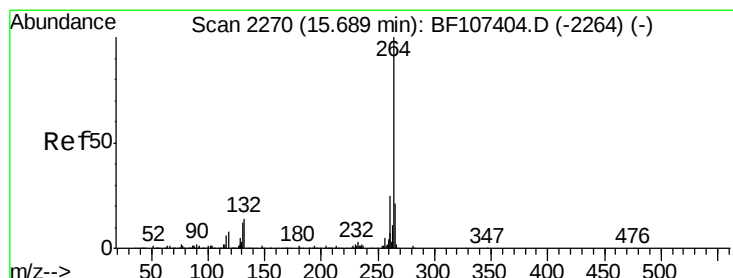
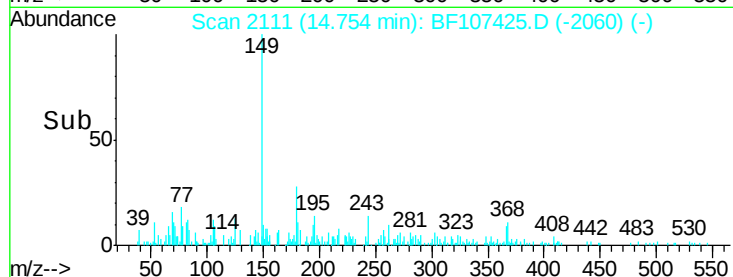
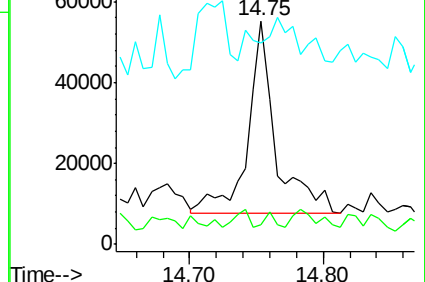
43 51.4 8.4 12.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.71 min Scan# 2273

Delta R.T. 0.02 min

Lab File: BF107425.D

Acq: 17 Jul 2018 1:38

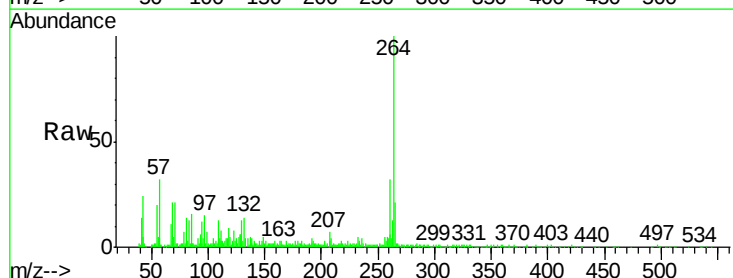
Tgt Ion:264 Resp: 262466

Ion Ratio Lower Upper

264 100

260 31.7 19.2 28.8#

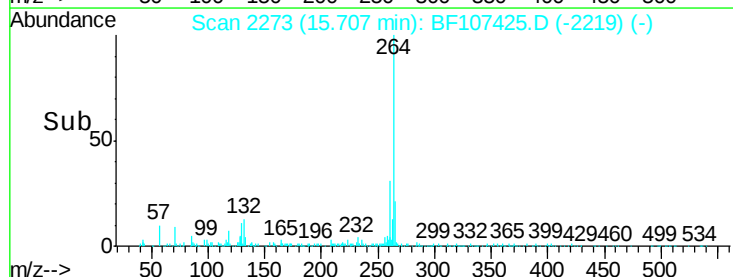
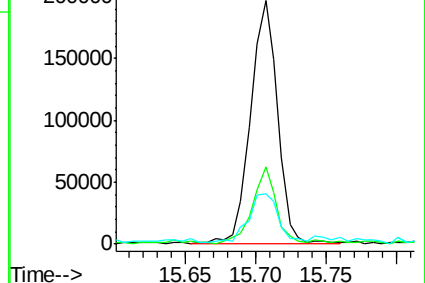
265 20.7 17.5 26.3

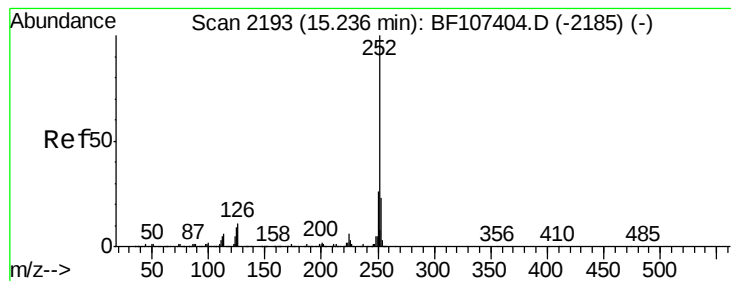


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.893 ng

RT: 15.24 min Scan# 2194

Delta R.T. 0.01 min

Lab File: BF107425.D

Acq: 17 Jul 2018 1:38

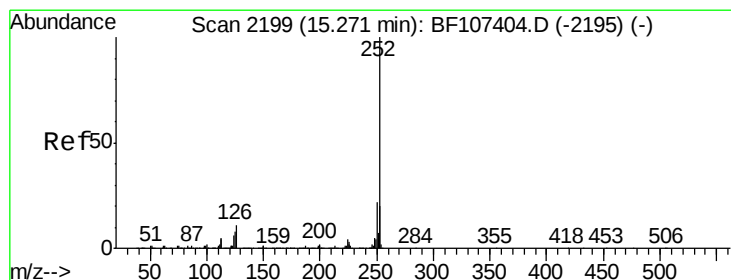
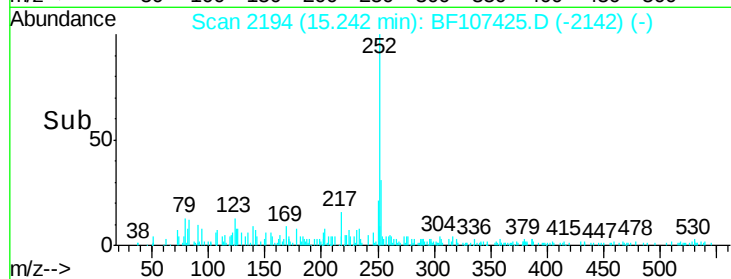
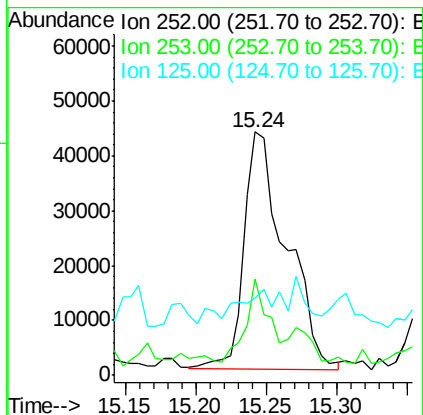
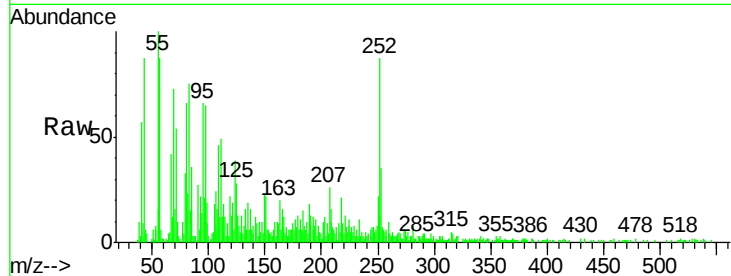
Instrument :

BNA_F

ClientSampled :

PAR-5

Tgt Ion:	252	Resp:	90537
Ion Ratio	Lower	Upper	
252	100		
253	39.8	17.0	25.6#
125	32.0	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 6.036 ng

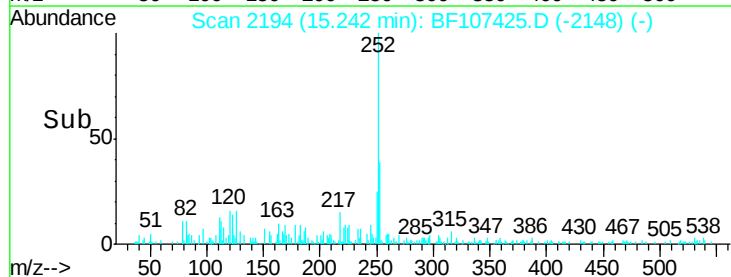
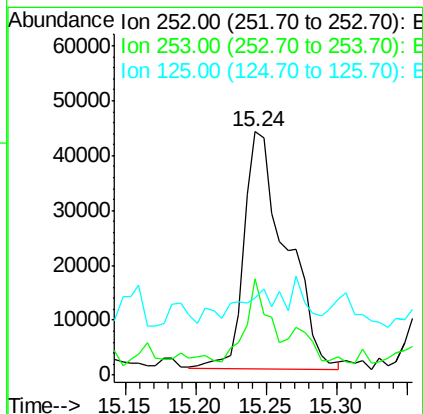
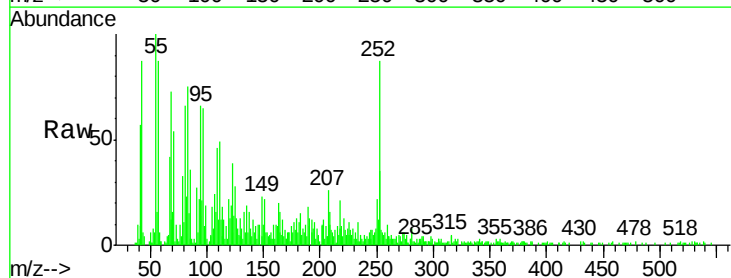
RT: 15.24 min Scan# 2194

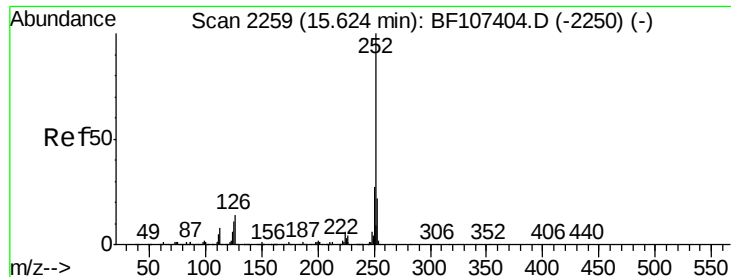
Delta R.T. -0.03 min

Lab File: BF107425.D

Acq: 17 Jul 2018 1:38

Tgt Ion:	252	Resp:	90499
Ion Ratio	Lower	Upper	
252	100		
253	39.8	17.9	26.9#
125	32.0	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 3.455 ng

RT: 15.64 min Scan# 2261

Delta R.T. 0.01 min

Lab File: BF107425.D

Acq: 17 Jul 2018 1:38

Instrument :

BNA_F

ClientSampleId :

PAR-5

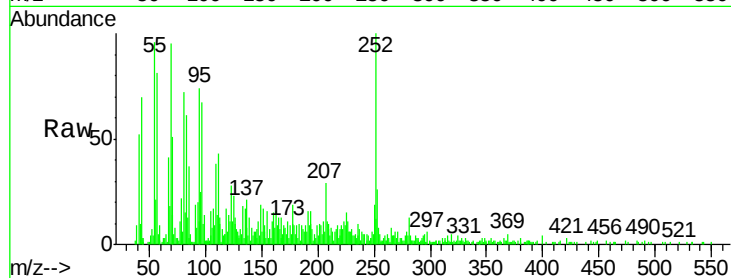
Tgt Ion: 252 Resp: 48717

Ion Ratio Lower Upper

252 100

253 26.4 17.1 25.7#

125 23.2 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

