

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
 Data File : BF107671.D
 Acq On : 25 Jul 2018 21:38
 Operator : JU/SJ
 Sample : J4031-06 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 26 02:06:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	216727	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	830238	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	312042	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	525889	20.00	ng	0.00
75) Chrysene-d12	14.16	240	443498	20.00	ng	0.00
86) Perylene-d12	15.69	264	387521	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	572056	42.44	ng	-0.01
7) Phenol-d6	6.60	99	695949	43.00	ng	-0.02
23) Nitrobenzene-d5	7.53	82	401499	32.64	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	150358	42.37	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	725067	32.27	ng	-0.02
78) Terphenyl-d14	13.09	244	544608	31.44	ng	-0.01

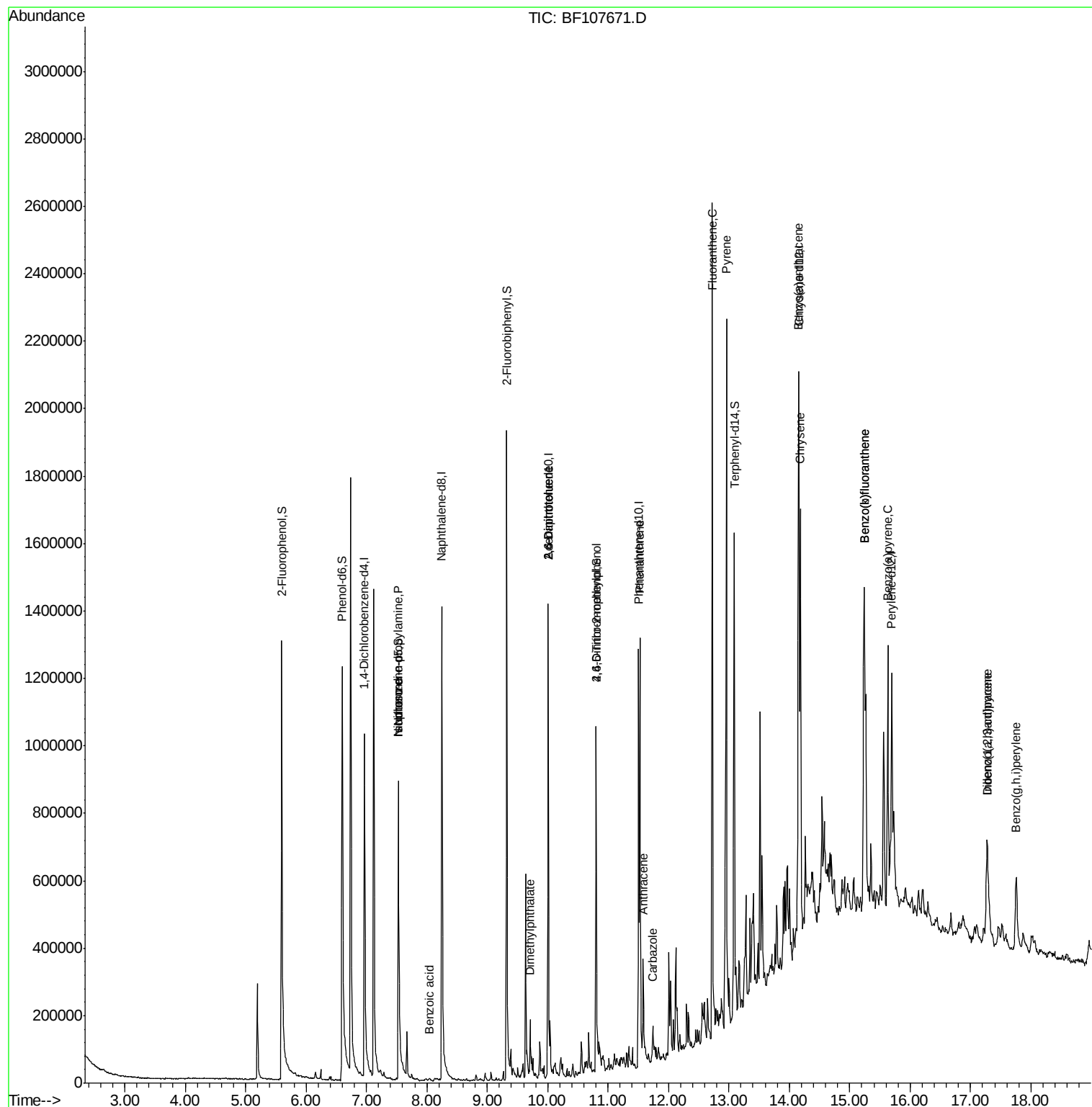
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	5784	Below Cal		# 11
19) n-Nitroso-di-n-propylamine	7.53	70	55485	5.306	ng	# 79
25) Isophorone	7.53	82	401499	15.285	ng	# 64
32) Benzoic acid	8.05	122	121	7.913	ng	# 77
49) Dimethylphthalate	9.71	163	48103	2.045	ng	# 99
50) 2,6-Dinitrotoluene	10.01	165	41453	8.878	ng	# 26
56) 2,4-Dinitrotoluene	10.01	165	41767	7.411	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.81	198	367	8.799	ng	# 1
70) Phenanthrene	11.53	178	502729	19.617	ng	99
71) Anthracene	11.58	178	182276	7.064	ng	98
72) Carbazole	11.74	167	65561	2.443	ng	97
73) Di-n-butylphthalate	12.05	149	11101	Below Cal		# 95
74) Fluoranthene	12.72	202	1125683	40.935	ng	97
77) Pyrene	12.96	202	1052918	34.709	ng	98
80) Benzo(a)anthracene	14.15	228	600211	23.094	ng	96
81) 3,3'-Dichlorobenzidine	14.09	252	728	Below Cal		# 53
82) Chrysene	14.18	228	537683	21.537	ng	98
85) Indeno(1,2,3-cd)pyrene	17.28	276	233239	11.023	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	898394	42.360	ng	98
88) Benzo(k)fluoranthene	15.24	252	898394	43.237	ng	98
89) Benzo(a)pyrene	15.63	252	422295	21.768	ng	96
90) Dibenzo(a,h)anthracene	17.28	278	56419	3.364	ng	# 85
91) Benzo(g,h,i)perylene	17.76	276	223890	13.535	ng	92

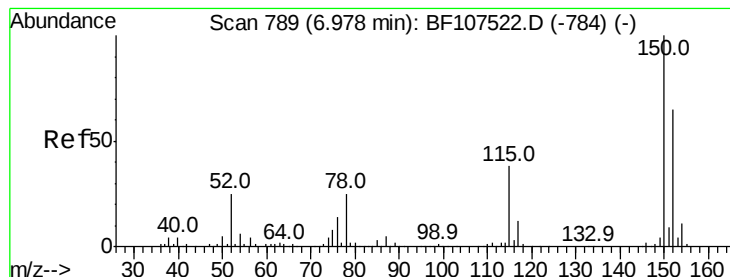
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107671.D
Acq On : 25 Jul 2018 21:38
Operator : JU/SJ
Sample : J4031-06 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 26 02:06:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration



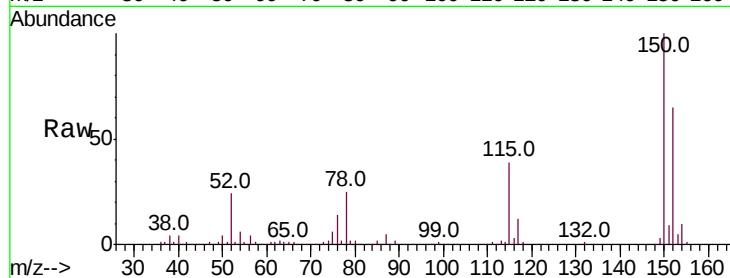


#1

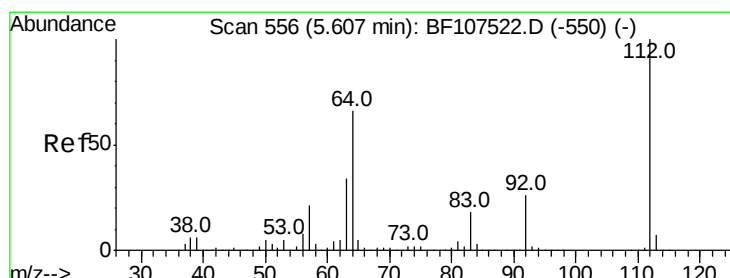
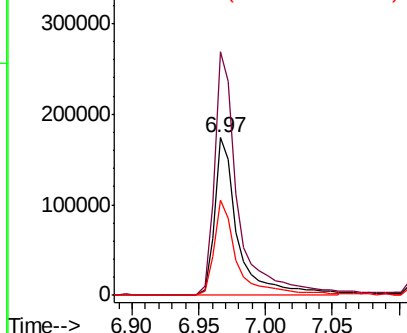
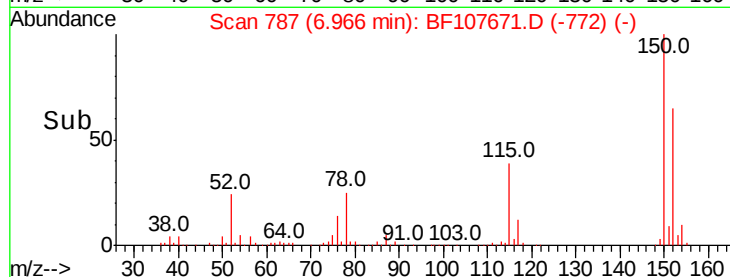
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107671.D
Acq: 25 Jul 2018 21:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 216727
Ion Ratio Lower Upper
152 100
150 154.6 124.6 186.8
115 60.6 50.1 75.1



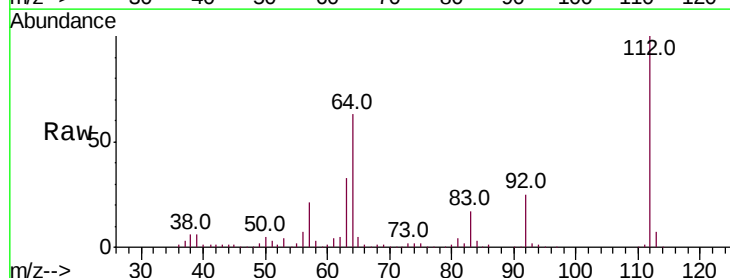
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



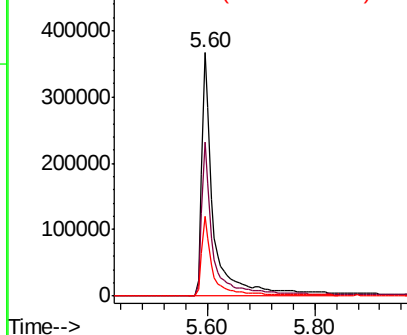
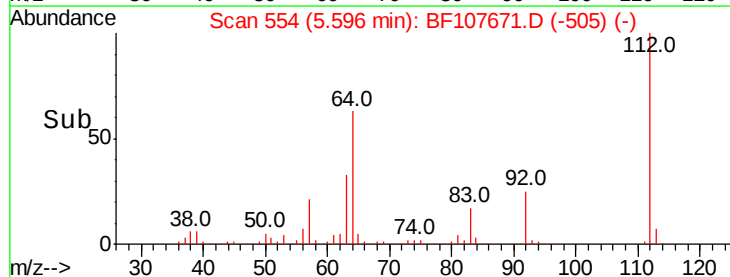
#5

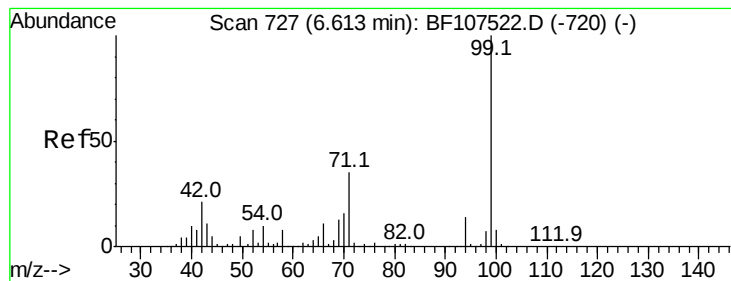
2-Fluorophenol
Concen: 42.438 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107671.D
Acq: 25 Jul 2018 21:38

Tgt Ion:112 Resp: 572056
Ion Ratio Lower Upper
112 100
64 63.5 47.9 71.9
63 32.9 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: 42.998 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107671.D

Acq: 25 Jul 2018 21:38

Instrument :

BNA_F

ClientSampleId :

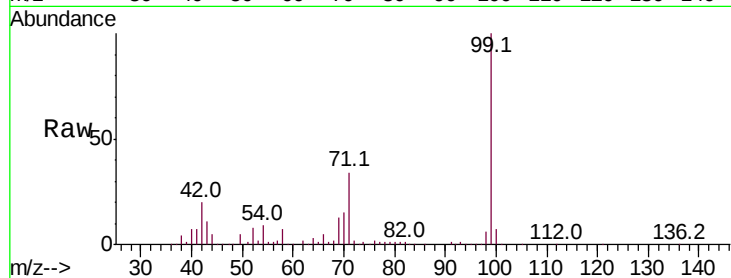
Tot Ion: 99 Resp: 695949

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

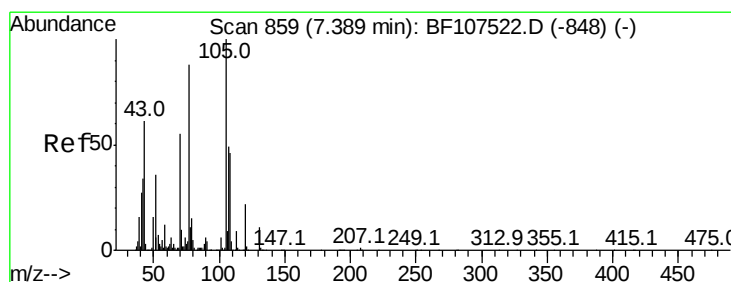
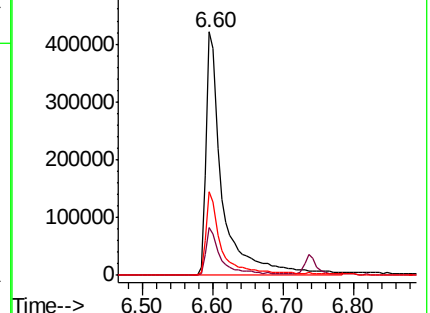
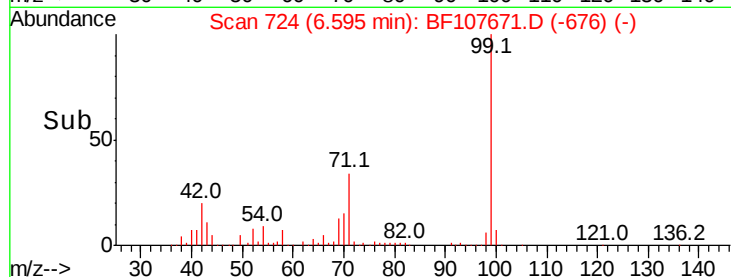
71 34.4 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.306 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF107671.D

Acq: 25 Jul 2018 21:38

Tgt Ion: 70 Resp: 55485

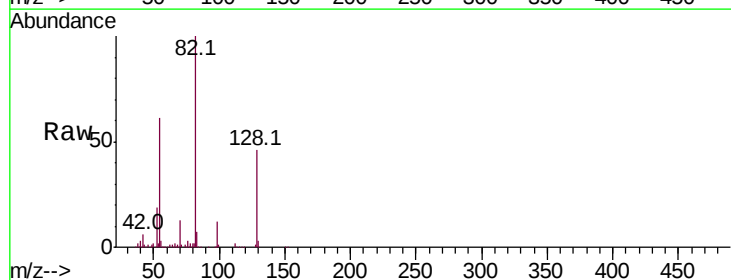
Ion Ratio Lower Upper

70 100

42 49.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

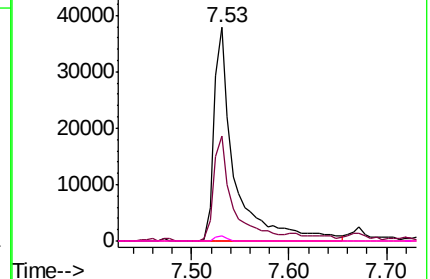
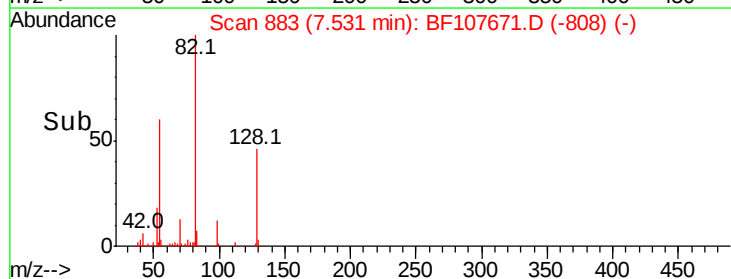


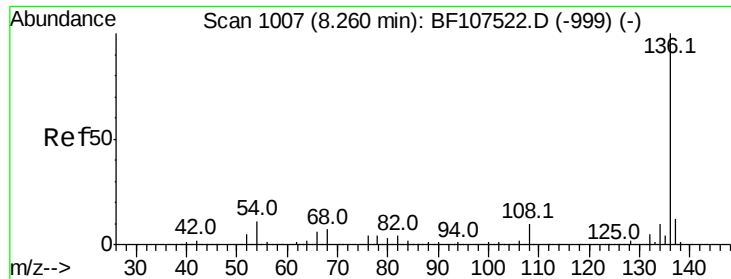
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

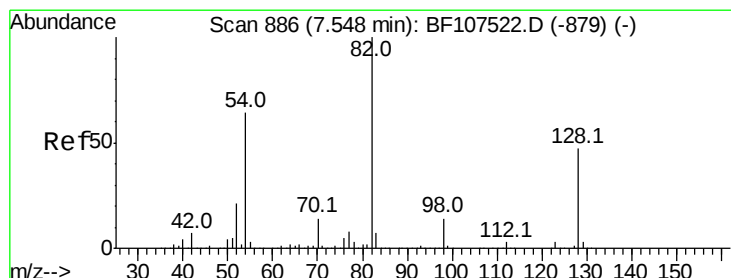
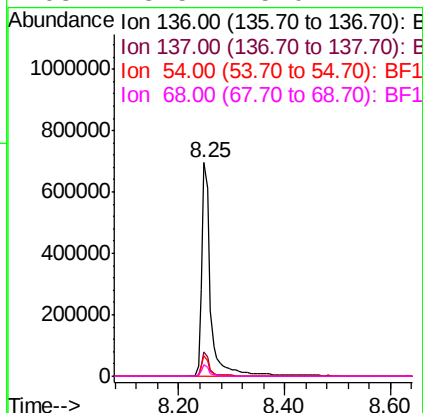
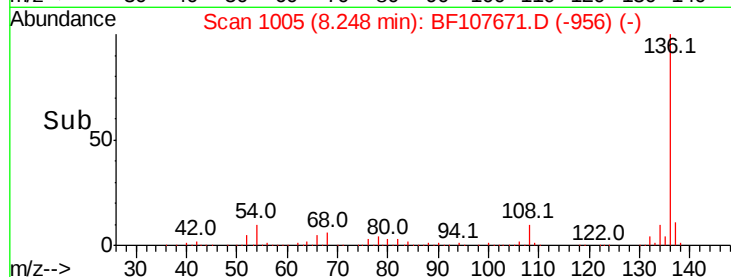
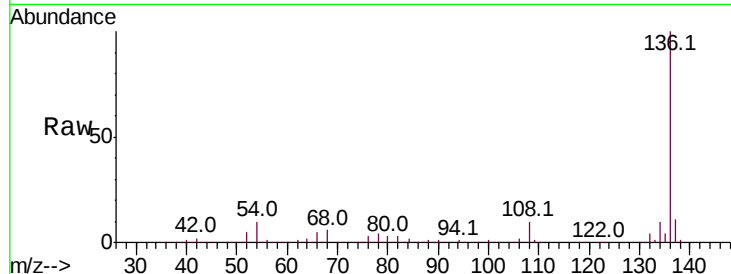




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF107671.D
Acq: 25 Jul 2018 21:38

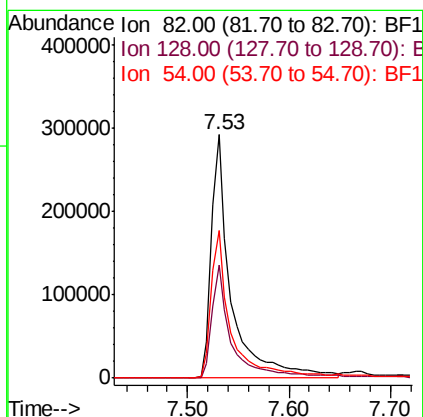
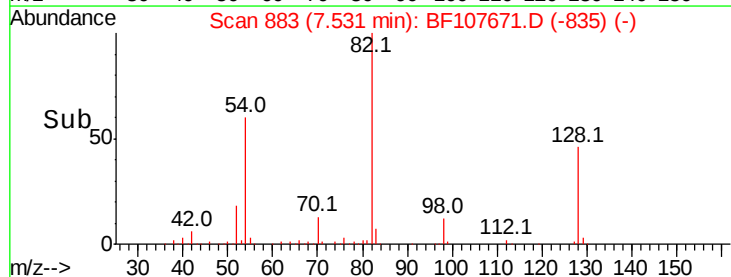
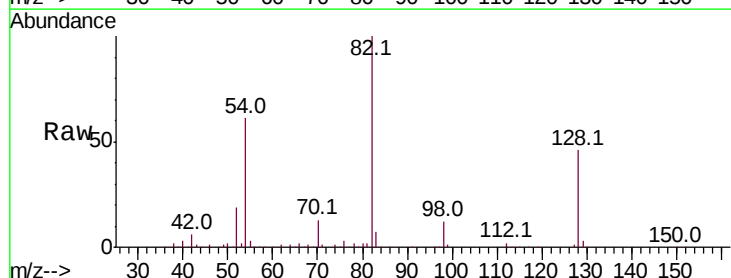
Instrument :
BNA_F
ClientSampled :

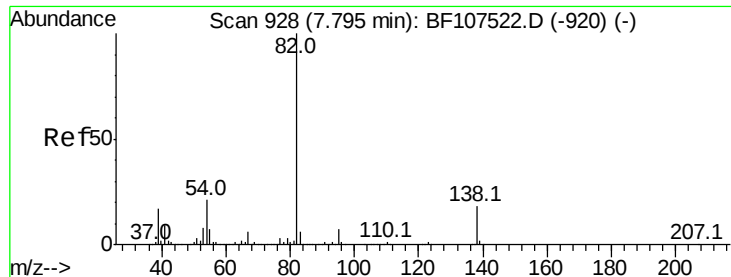
Tot Ion:	136	Resp:	830238
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	9.7	6.6	9.8
68	5.5	5.0	7.4



#23
Nitrobenzene-d5
Concen: 32.637 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107671.D
Acq: 25 Jul 2018 21:38

Tgt Ion:	82	Resp:	401499
Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	60.6	41.4	62.2





#25

Isophorone

Concen: 15.285 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF107671.D

Acq: 25 Jul 2018 21:38

Instrument :

BNA_F

ClientSampleId :

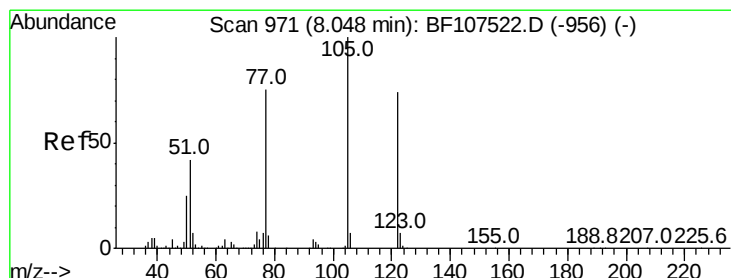
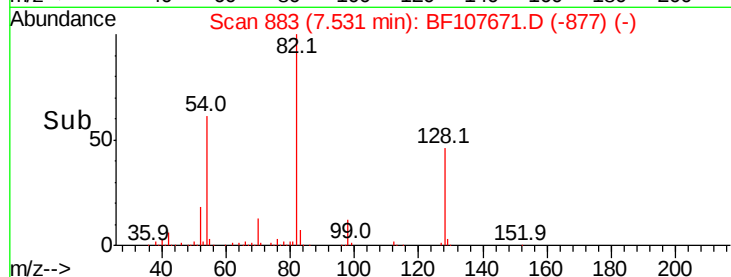
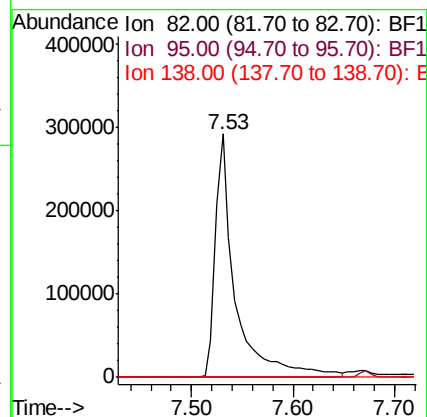
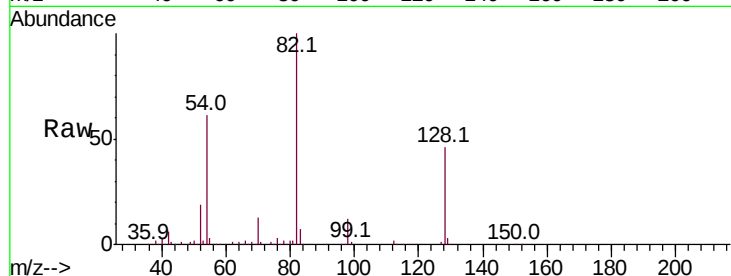
Tot Ion: 82 Resp: 401499

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 7.913 ng

RT: 8.05 min Scan# 972

Delta R.T. 0.01 min

Lab File: BF107671.D

Acq: 25 Jul 2018 21:38

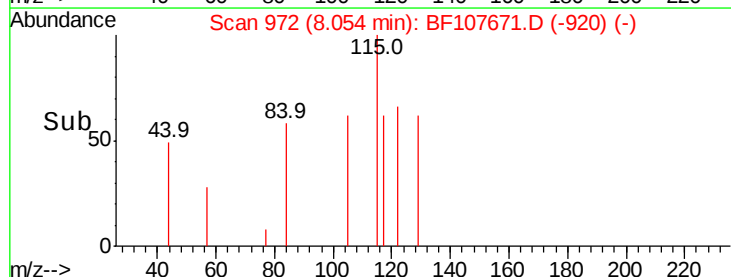
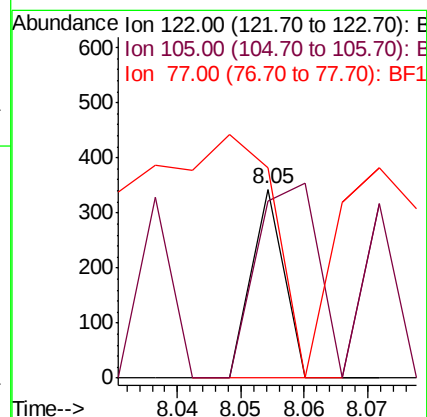
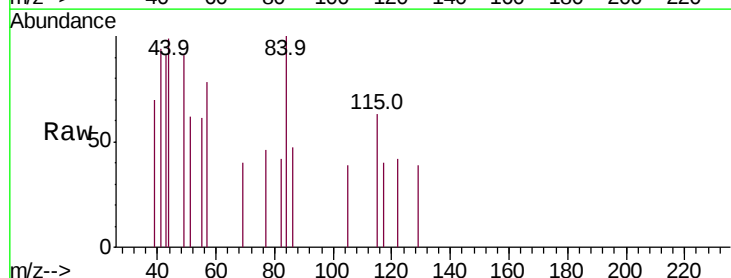
Tgt Ion: 122 Resp: 121

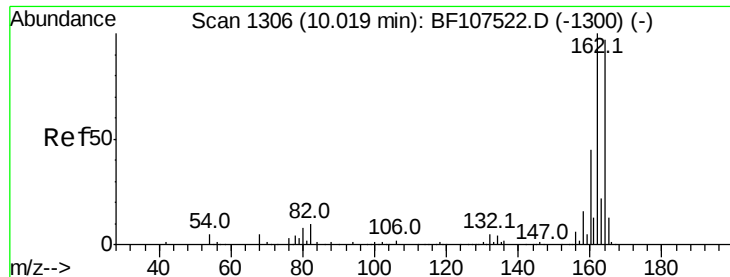
Ion Ratio Lower Upper

122 100

105 93.9 101.1 141.1#

77 111.1 70.7 110.7#

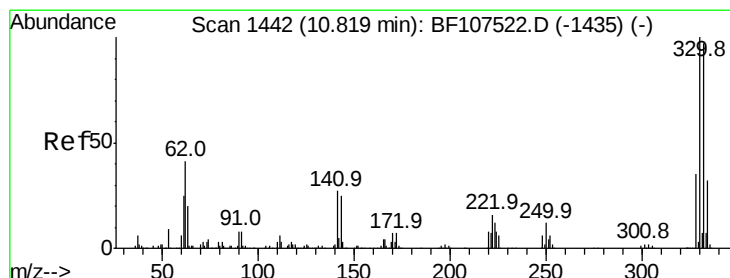
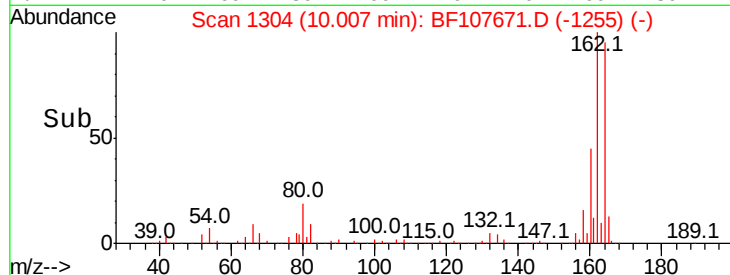
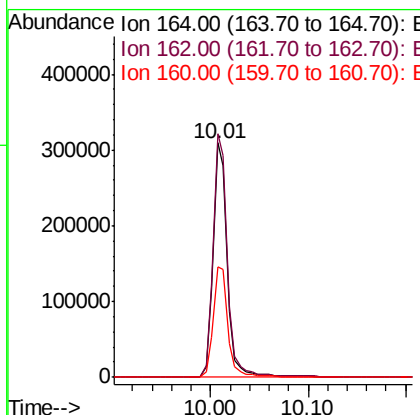
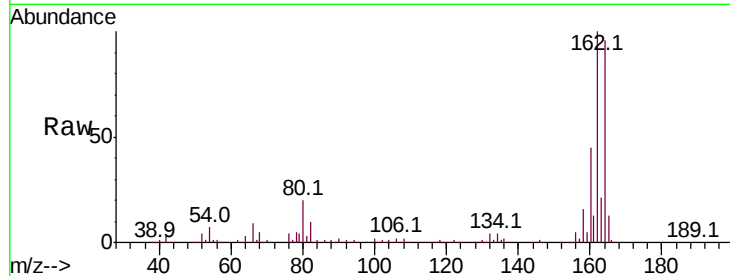




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF107671.D
 Acq: 25 Jul 2018 21:38

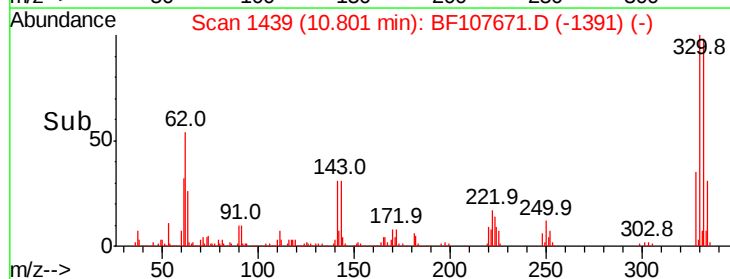
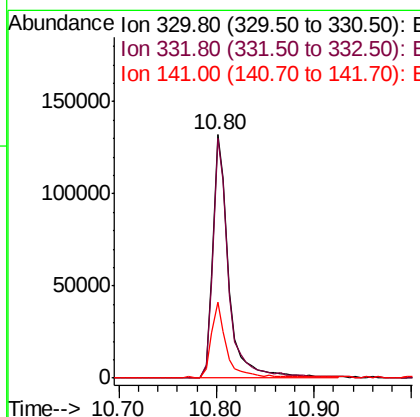
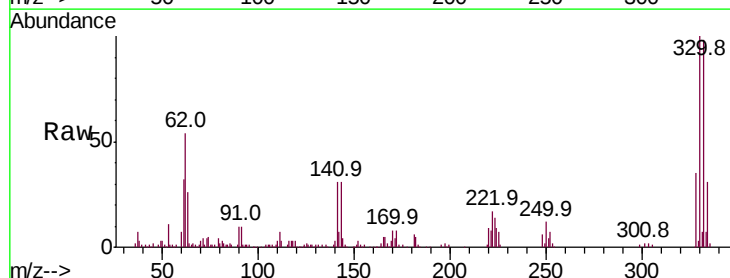
Instrument :
 BNA_F
 ClientSampleId :

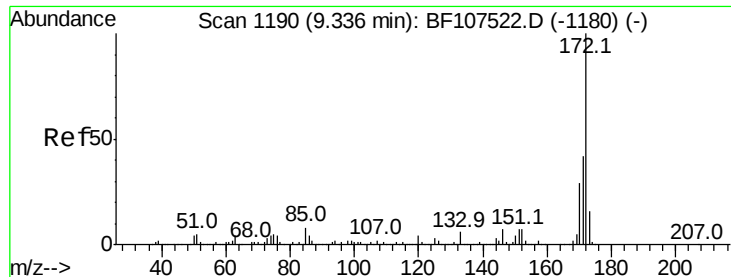
Tot Ion:164 Resp: 312042
 Ion Ratio Lower Upper
 164 100
 162 103.9 86.1 129.1
 160 47.0 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 42.373 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107671.D
 Acq: 25 Jul 2018 21:38

Tgt Ion:330 Resp: 150358
 Ion Ratio Lower Upper
 330 100
 332 98.1 77.0 115.6
 141 30.5 29.9 44.9

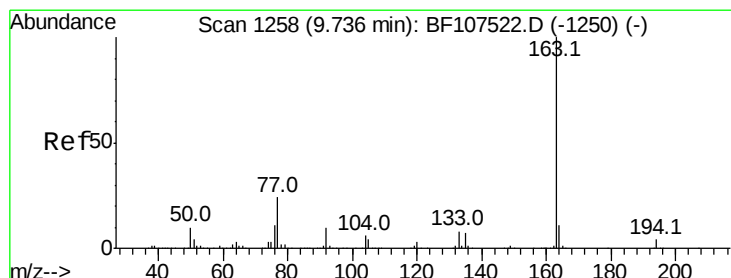
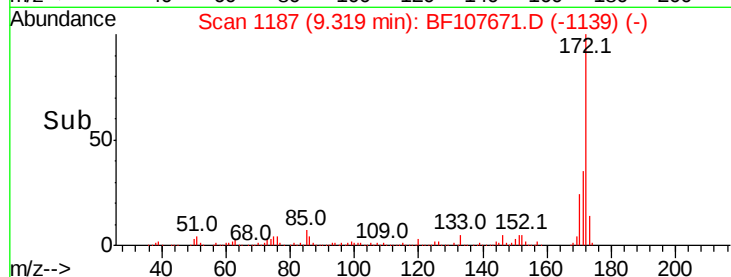
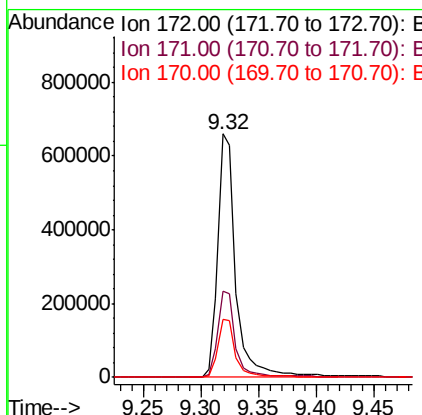
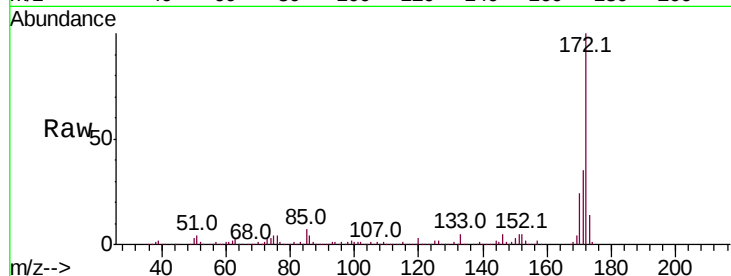




#44
 2-Fluorobiphenyl
 Concen: 32.268 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107671.D
 Acq: 25 Jul 2018 21:38

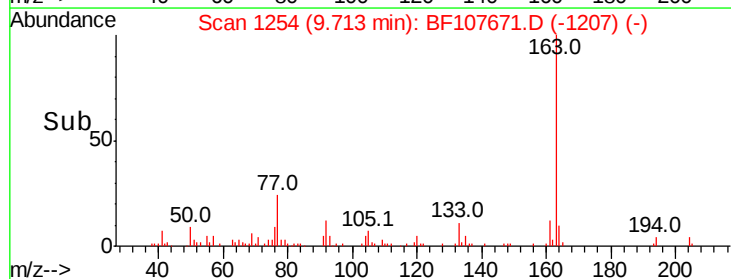
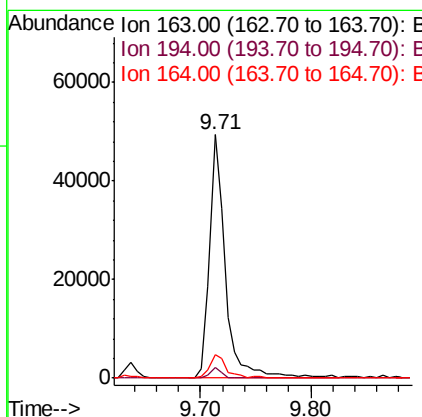
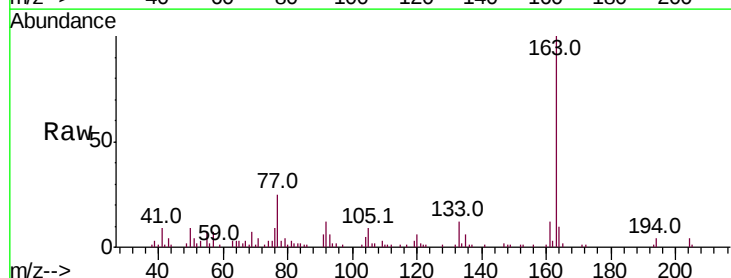
Instrument :
 BNA_F
 ClientSampleId :

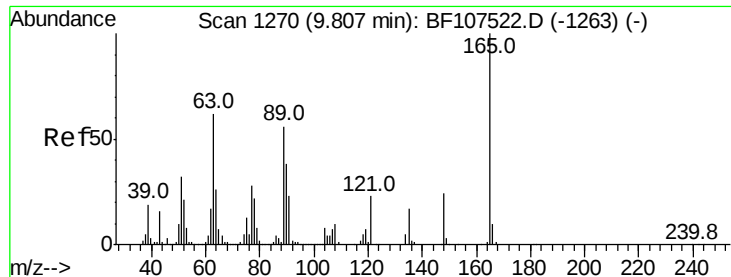
Tot Ion:172 Resp: 725067
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.7 19.6 29.4



#49
 Dimethylphthalate
 Concen: 2.045 ng
 RT: 9.71 min Scan# 1254
 Delta R.T. -0.02 min
 Lab File: BF107671.D
 Acq: 25 Jul 2018 21:38

Tgt Ion:163 Resp: 48103
 Ion Ratio Lower Upper
 163 100
 194 4.3 2.7 4.1#
 164 9.8 8.2 12.2

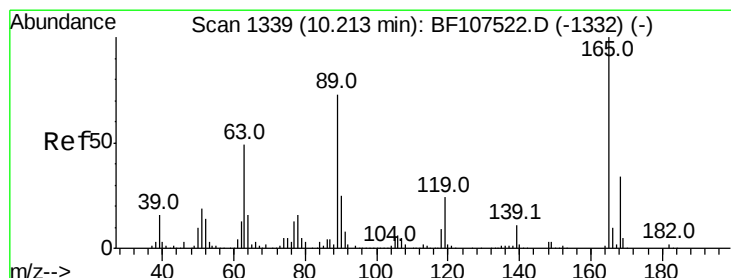
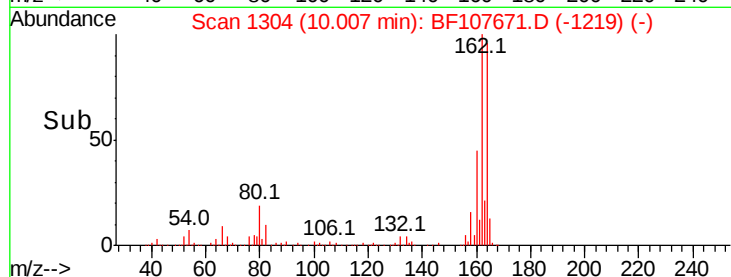
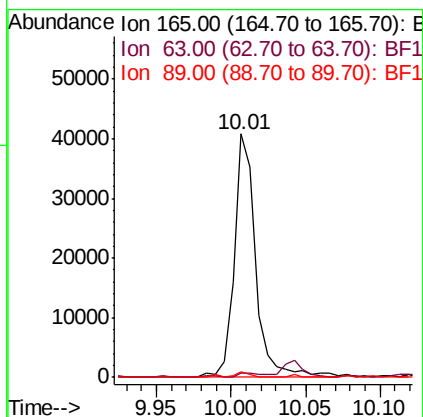
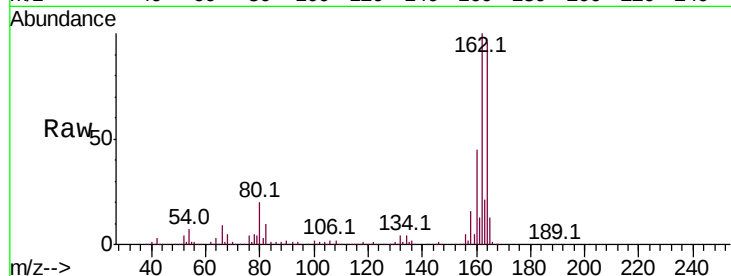




#50
2,6-Dinitrotoluene
Concen: 8.878 ng
RT: 10.01 min Scan# 1304
Delta R.T. 0.20 min
Lab File: BF107671.D
Acq: 25 Jul 2018 21:38

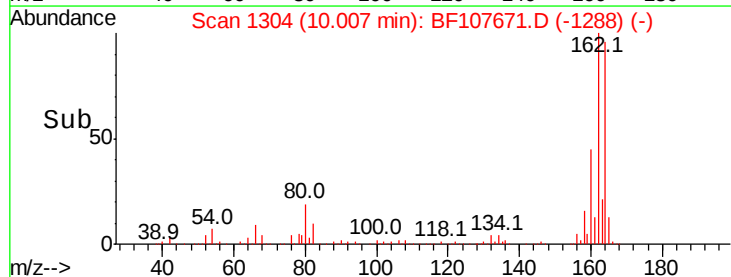
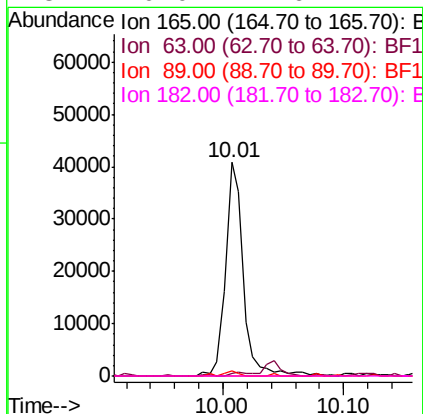
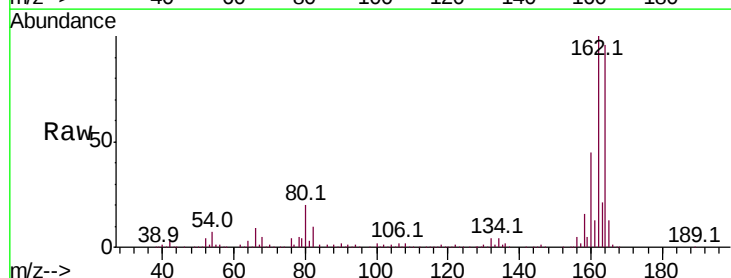
Instrument :
BNA_F
ClientSampleId :

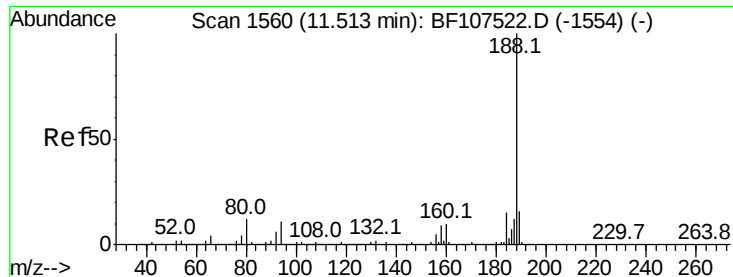
Tot Ion:165 Resp: 41453
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 2.5 44.0 66.0#



#56
2,4-Dinitrotoluene
Concen: 7.411 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.21 min
Lab File: BF107671.D
Acq: 25 Jul 2018 21:38

Tgt Ion:165 Resp: 41767
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 2.5 57.8 86.6#
182 0.0 1.6 2.4#

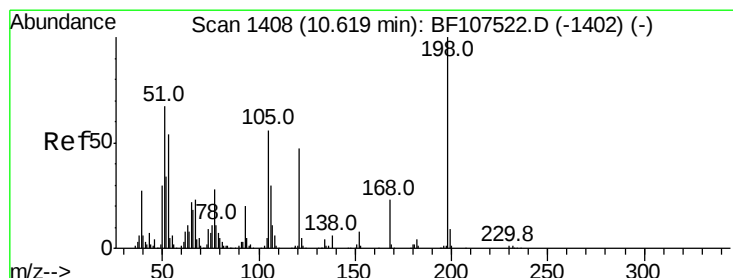
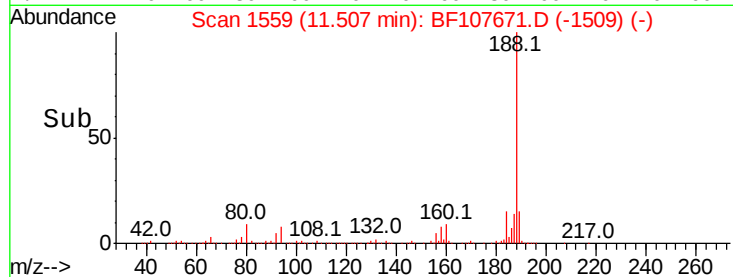
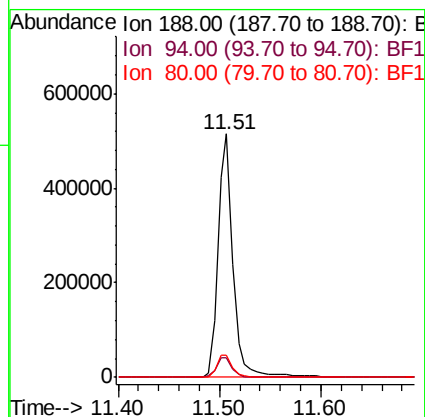
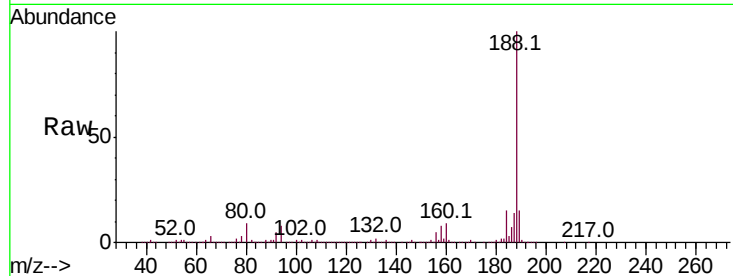




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF107671.D
 Acq: 25 Jul 2018 21:38

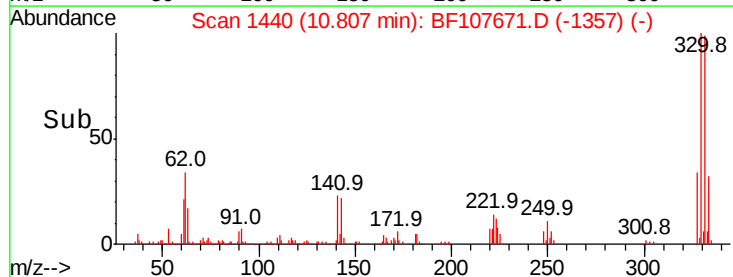
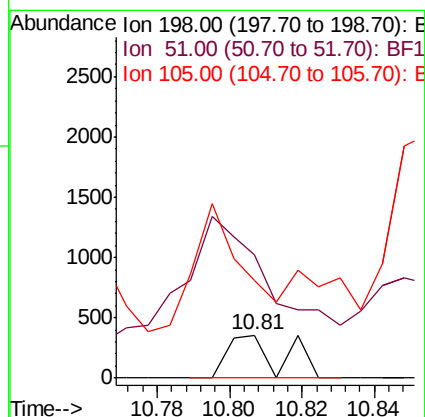
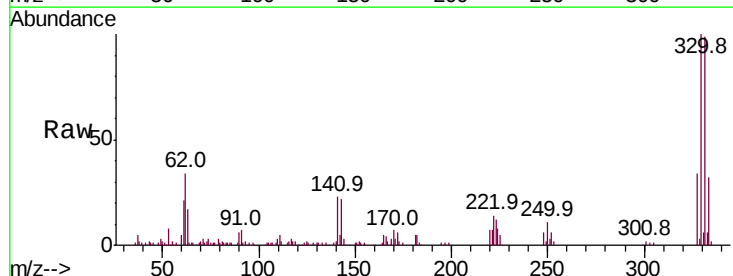
Instrument :
 BNA_F
 ClientSampleId :

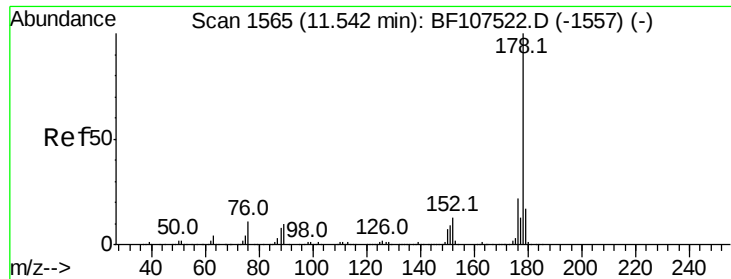
Tot Ion:188 Resp: 525889
 Ion Ratio Lower Upper
 188 100
 94 8.2 8.5 12.7#
 80 9.0 9.2 13.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.799 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. 0.19 min
 Lab File: BF107671.D
 Acq: 25 Jul 2018 21:38

Tgt Ion:198 Resp: 367
 Ion Ratio Lower Upper
 198 100
 51 284.6 37.7 77.7#
 105 225.1 36.3 76.3#

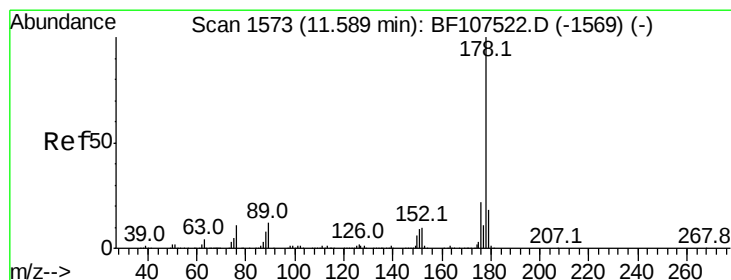
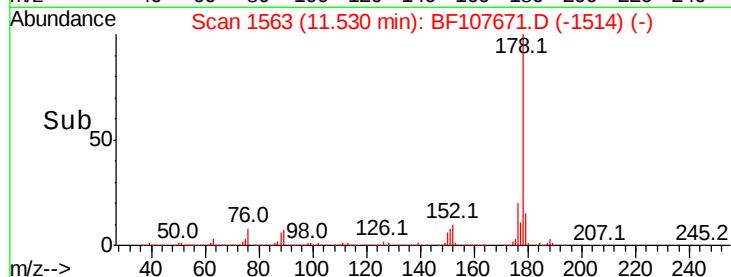
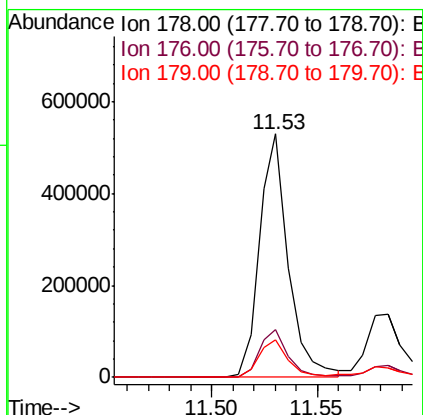
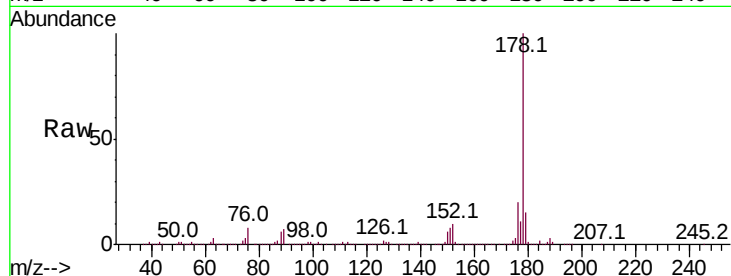




#70
Phenanthrene
Concen: 19.617 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF107671.D
Acq: 25 Jul 2018 21:38

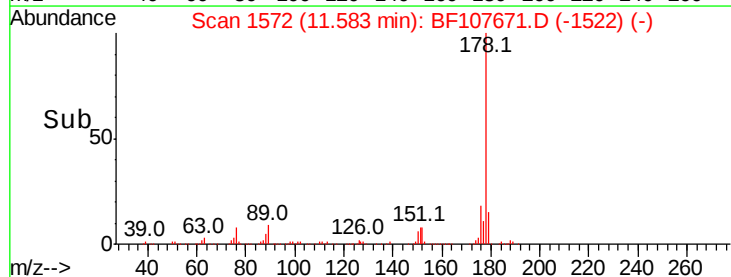
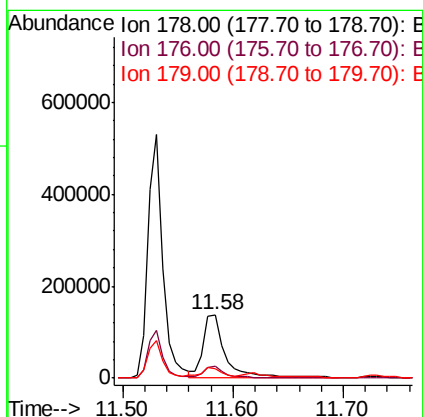
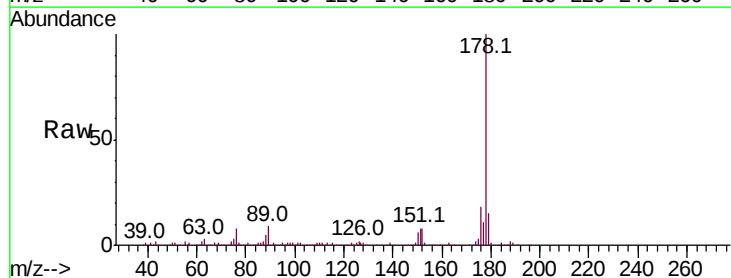
Instrument :
BNA_F
ClientSampleId :

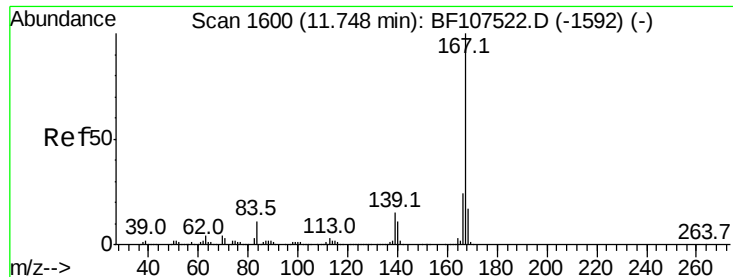
Tot Ion:178 Resp: 502729
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.3 13.0 19.6



#71
Anthracene
Concen: 7.064 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF107671.D
Acq: 25 Jul 2018 21:38

Tgt Ion:178 Resp: 182276
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 15.3 12.6 19.0





#72

Carbazole

Concen: 2.443 ng

RT: 11.74 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF107671.D

Acq: 25 Jul 2018 21:38

Instrument :

BNA_F

ClientSampleId :

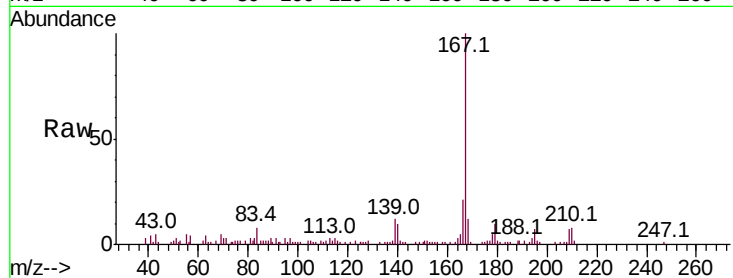
Tot Ion:167 Resp: 65561

Ion Ratio Lower Upper

167 100

166 20.8 17.6 26.4

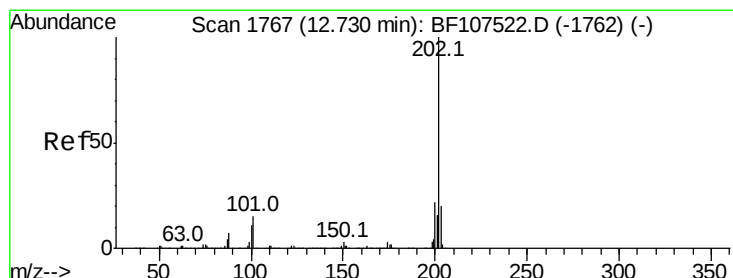
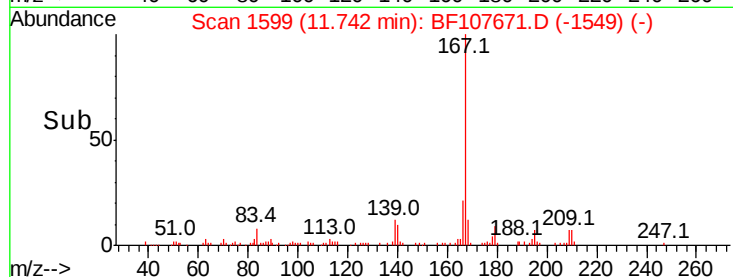
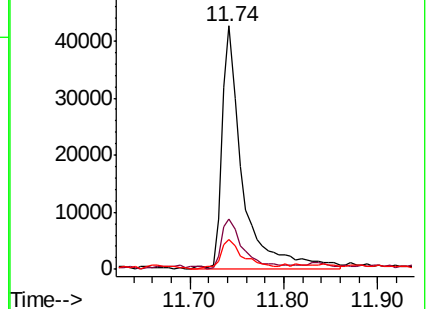
139 12.2 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 40.935 ng

RT: 12.72 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF107671.D

Acq: 25 Jul 2018 21:38

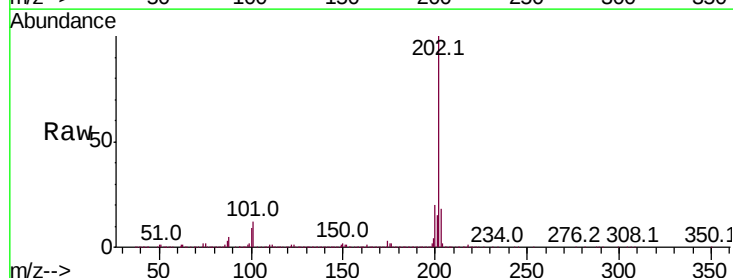
Tgt Ion:202 Resp: 1125683

Ion Ratio Lower Upper

202 100

101 11.7 0.0 34.1

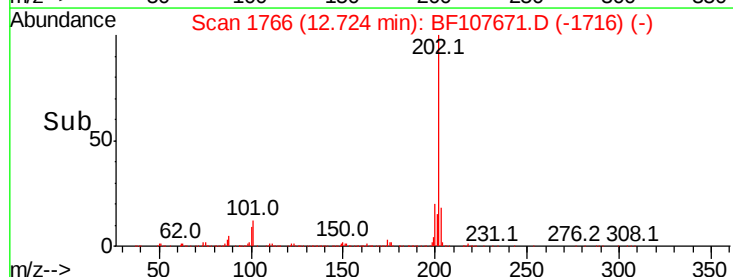
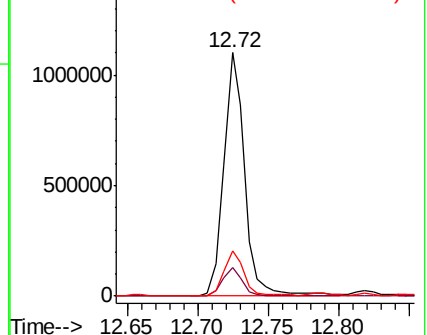
203 18.4 0.0 38.1

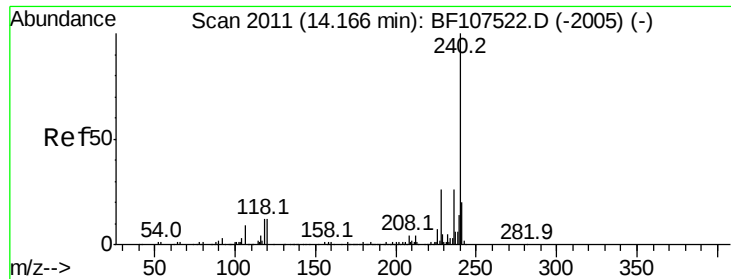


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107671.D

Acq: 25 Jul 2018 21:38

Instrument :

BNA_F

ClientSampleId :

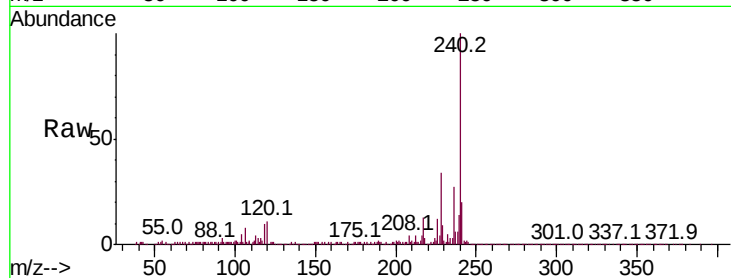
Tot Ion:240 Resp: 443498

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

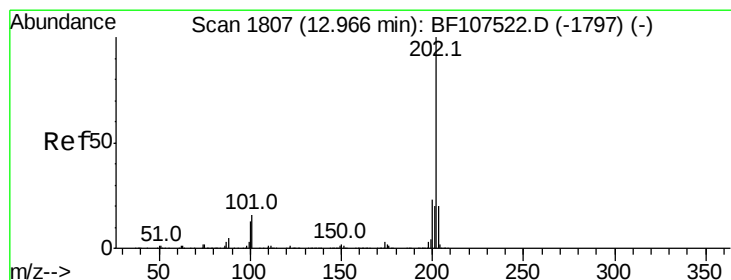
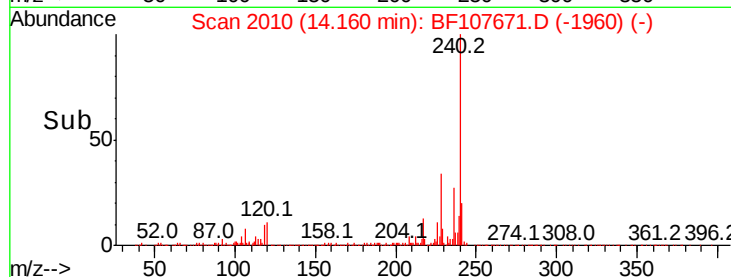
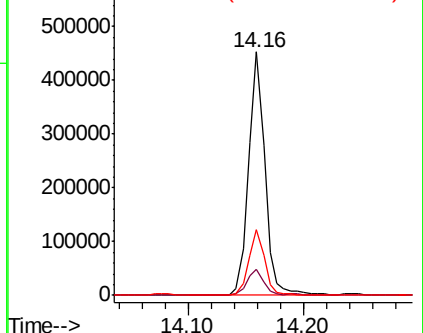
236 27.0 20.7 31.1



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: 34.709 ng

RT: 12.96 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF107671.D

Acq: 25 Jul 2018 21:38

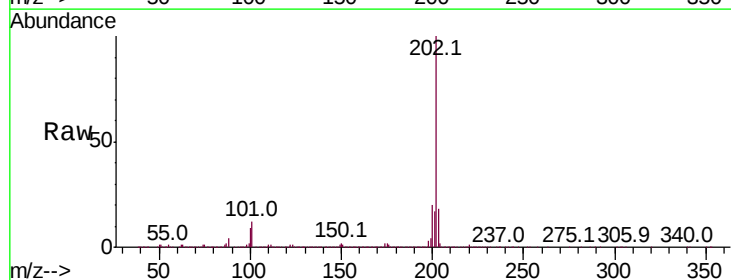
Tgt Ion:202 Resp: 1052918

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

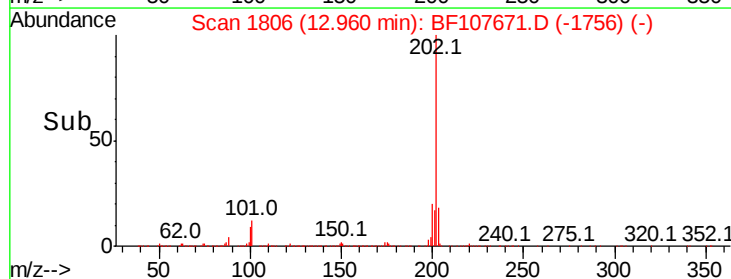
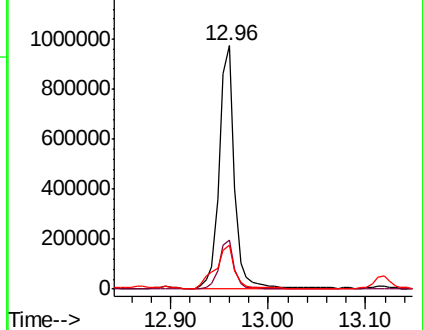
203 18.0 14.3 21.5

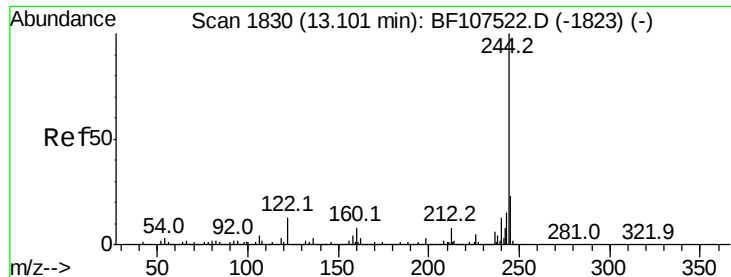


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

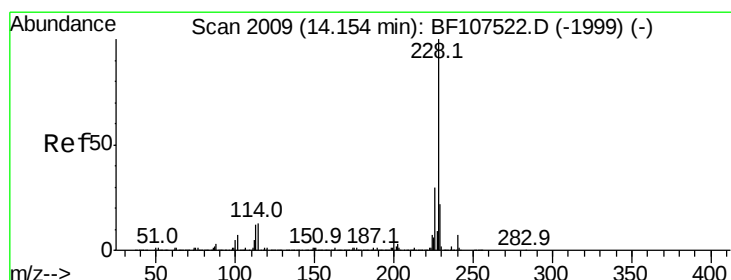
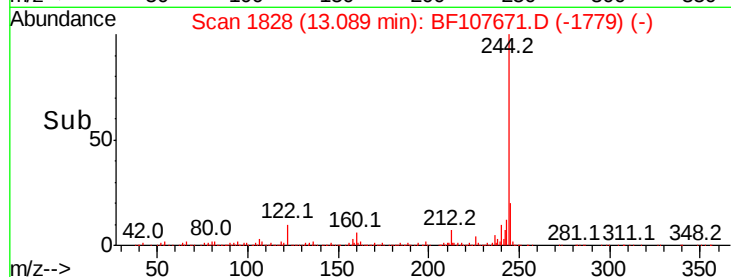
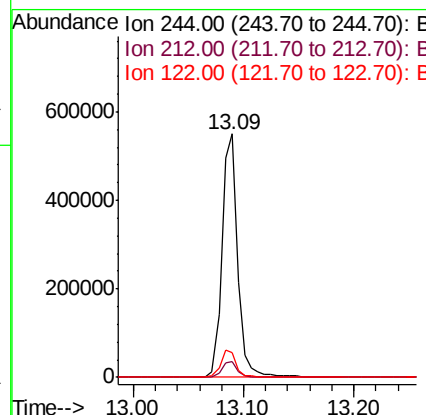
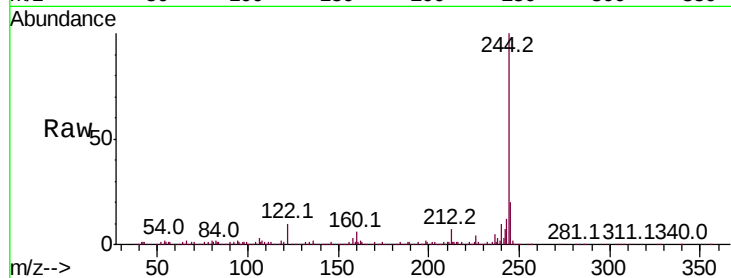




#78
 Terphenyl-d14
 Concen: 31.437 ng
 RT: 13.09 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF107671.D
 Acq: 25 Jul 2018 21:38

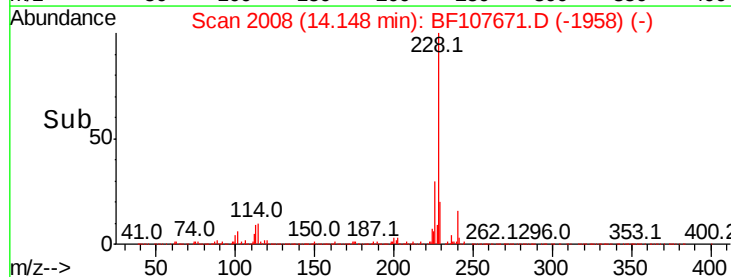
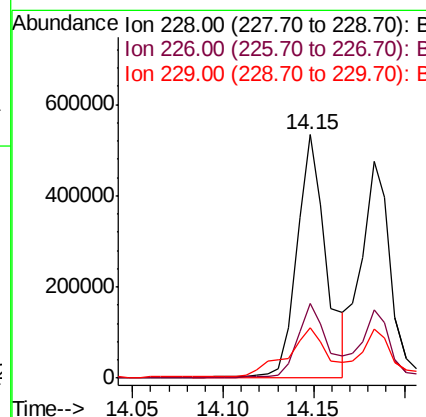
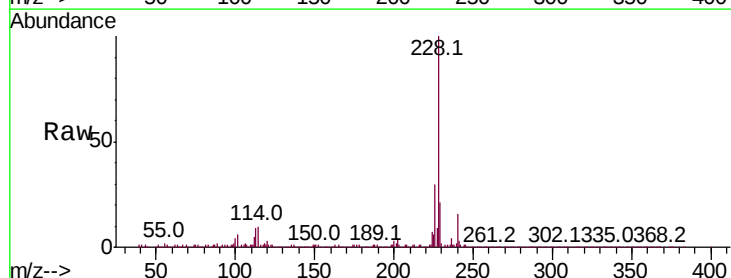
Instrument :
 BNA_F
 ClientSampleId :

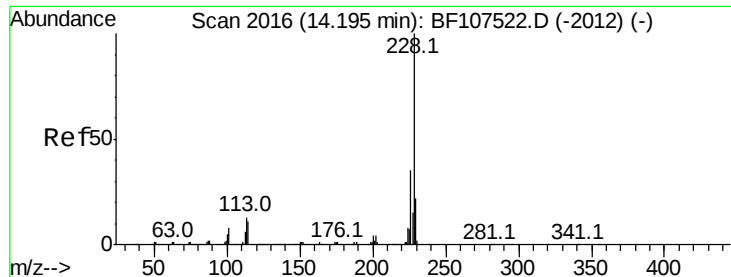
Tot Ion:244 Resp: 544608
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 10.0 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 23.094 ng
 RT: 14.15 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BF107671.D
 Acq: 25 Jul 2018 21:38

Tgt Ion:228 Resp: 600211
 Ion Ratio Lower Upper
 228 100
 226 30.4 22.6 33.8
 229 20.9 15.8 23.6

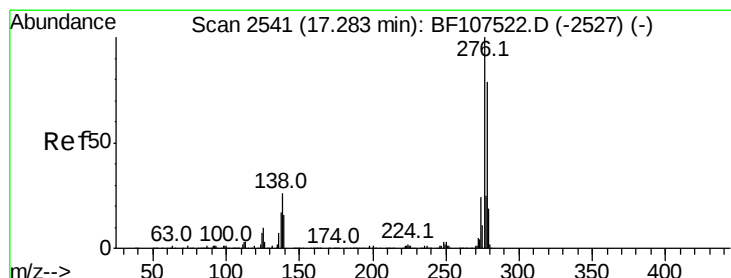
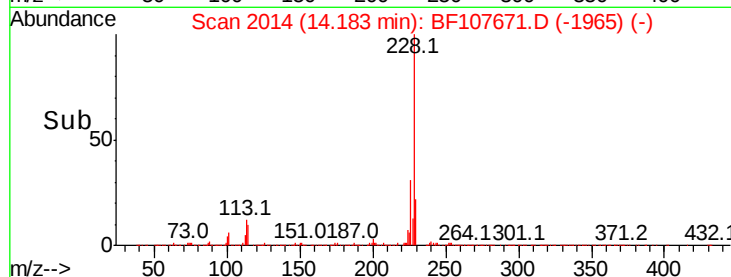
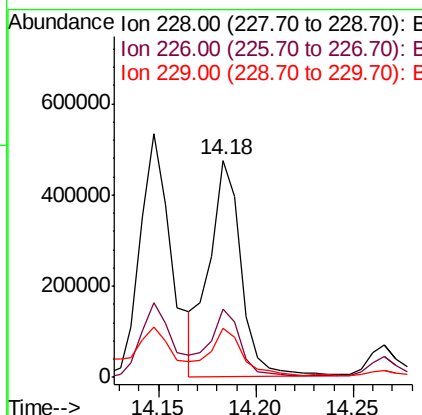
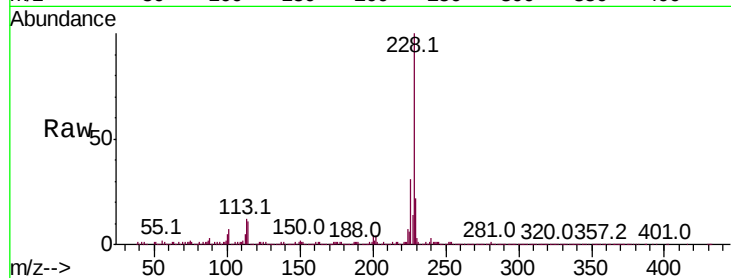




#82
Chrysene
Concen: 21.537 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF107671.D
Acq: 25 Jul 2018 21:38

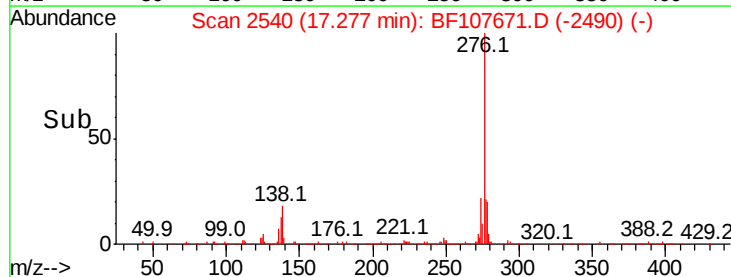
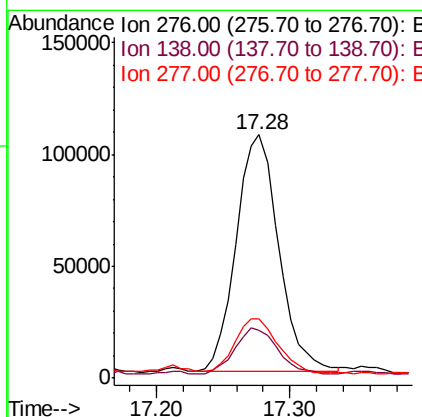
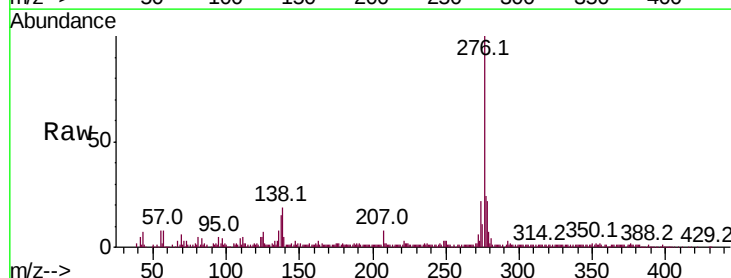
Instrument :
BNA_F
ClientSampleId :

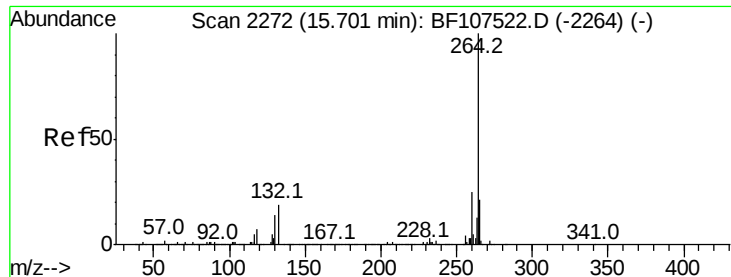
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	22.4	16.2	24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 11.023 ng
RT: 17.28 min Scan# 2540
Delta R.T. -0.01 min
Lab File: BF107671.D
Acq: 25 Jul 2018 21:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.9	25.0	37.6#
277	24.6	20.1	30.1

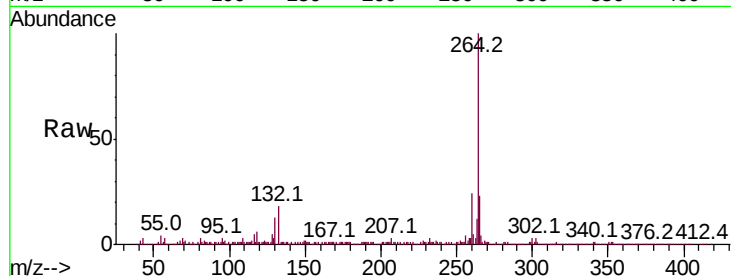




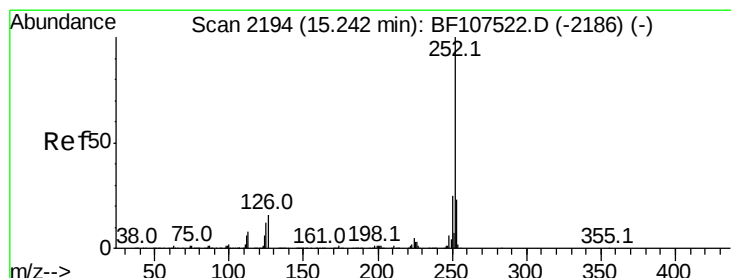
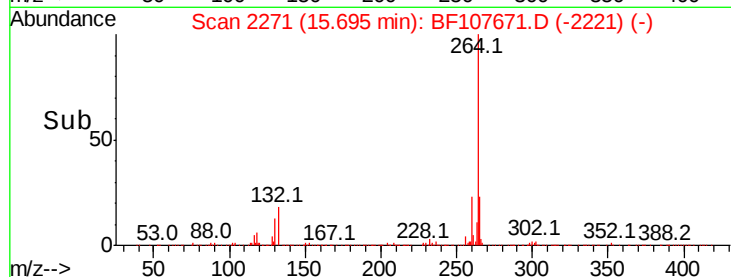
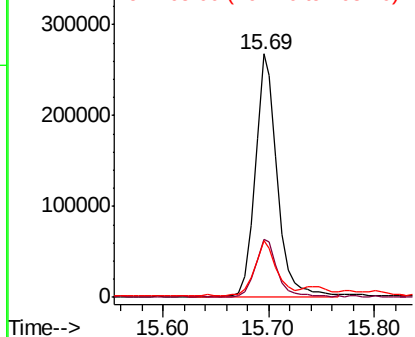
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF107671.D
Acq: 25 Jul 2018 21:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	23.1	17.5	26.3

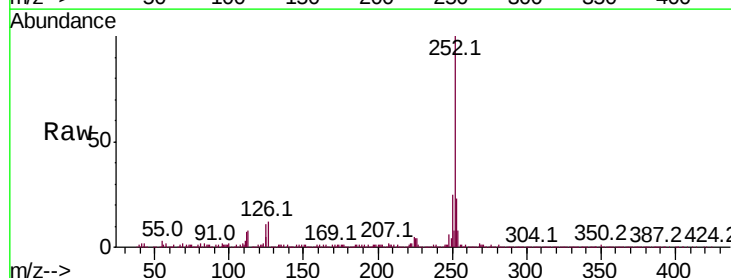


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

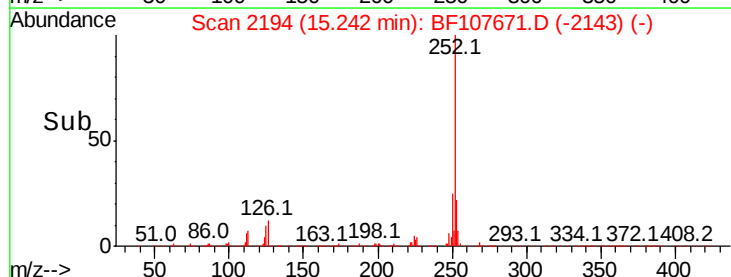
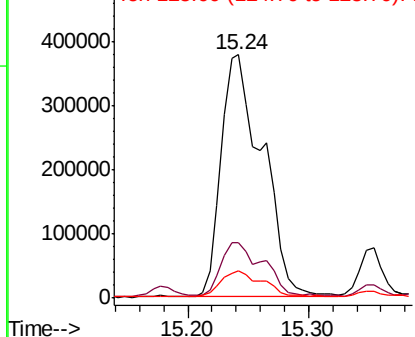


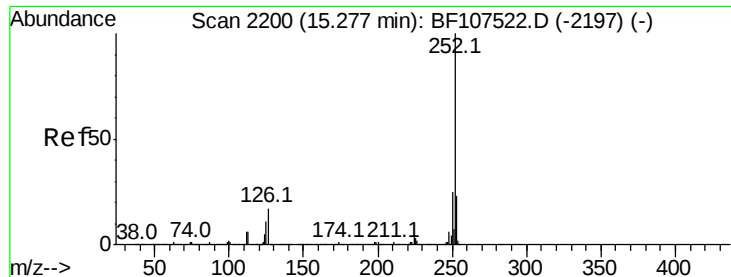
#87
Benzo(b)fluoranthene
Concen: 42.360 ng
RT: 15.24 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BF107671.D
Acq: 25 Jul 2018 21:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	11.2	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

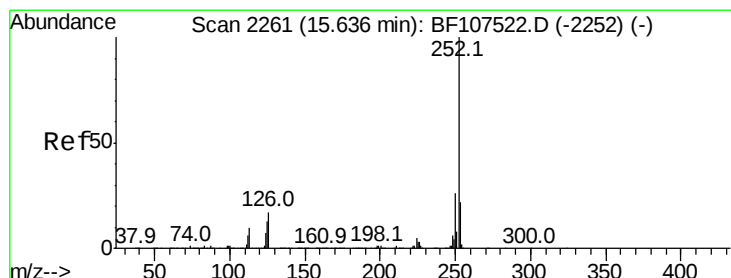
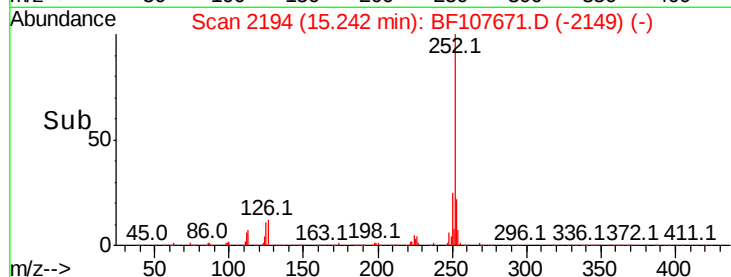
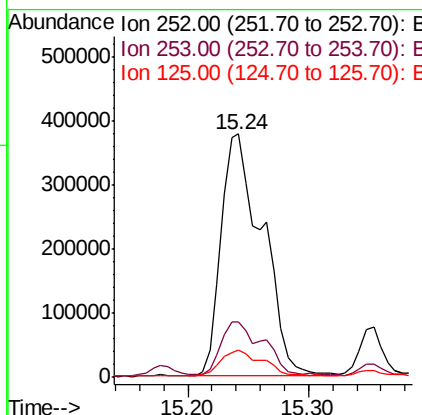
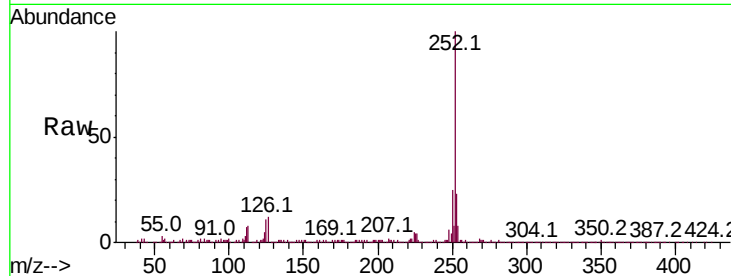




#88
Benzo(k)fluoranthene
Concen: 43.237 ng
RT: 15.24 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BF107671.D
Acq: 25 Jul 2018 21:38

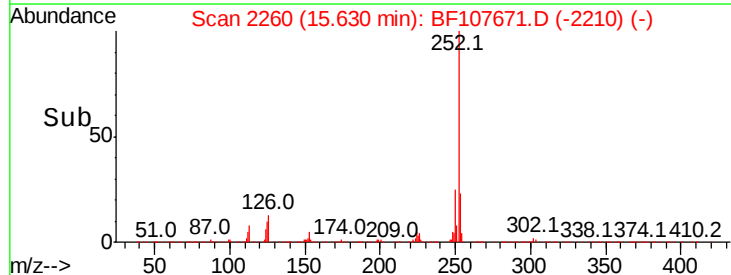
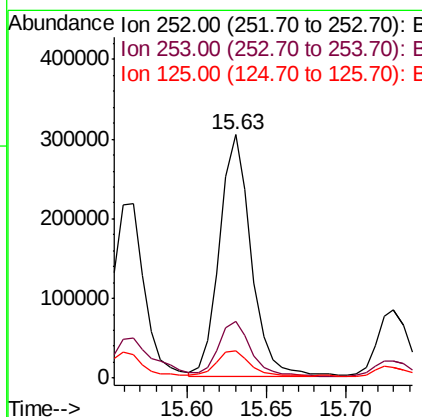
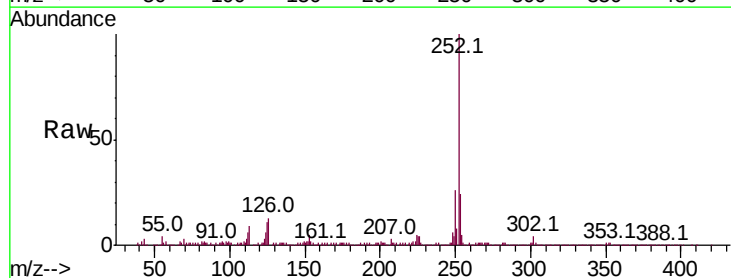
Instrument :
BNA_F
ClientSampleId :

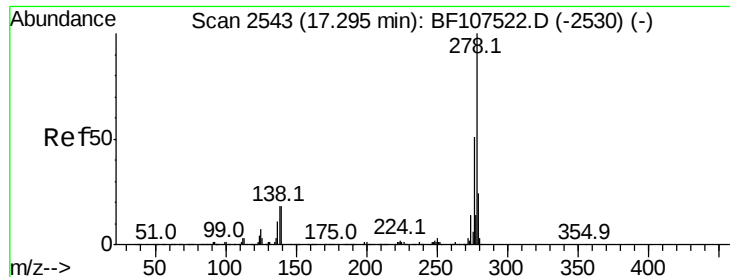
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	11.2	10.2	15.2



#89
Benzo(a)pyrene
Concen: 21.768 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF107671.D
Acq: 25 Jul 2018 21:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	11.2	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 3.364 ng

RT: 17.28 min Scan# 2541

Delta R.T. -0.01 min

Lab File: BF107671.D

Acq: 25 Jul 2018 21:38

Instrument :

BNA_F

ClientSampleId :

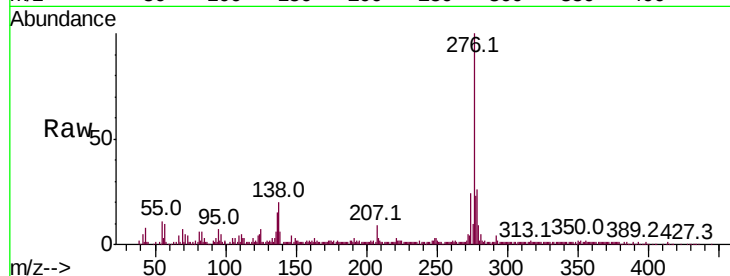
Tot Ion:278 Resp: 56419

Ion Ratio Lower Upper

278 100

139 23.4 15.9 23.9

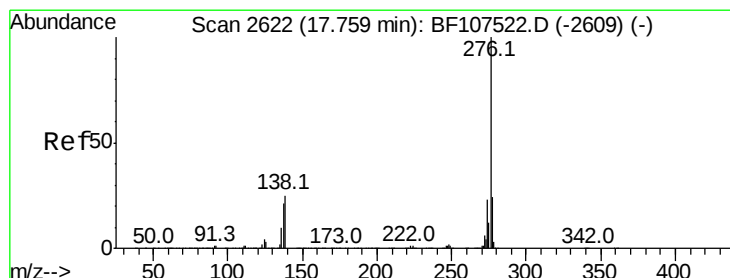
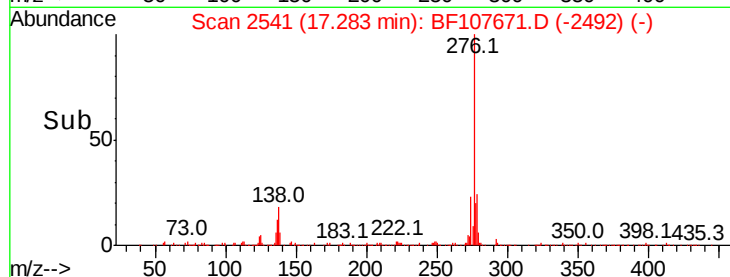
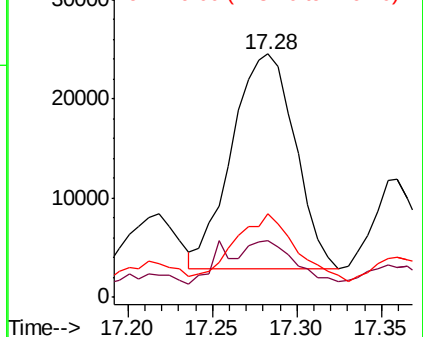
279 34.2 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 13.535 ng

RT: 17.76 min Scan# 2622

Delta R.T. 0.00 min

Lab File: BF107671.D

Acq: 25 Jul 2018 21:38

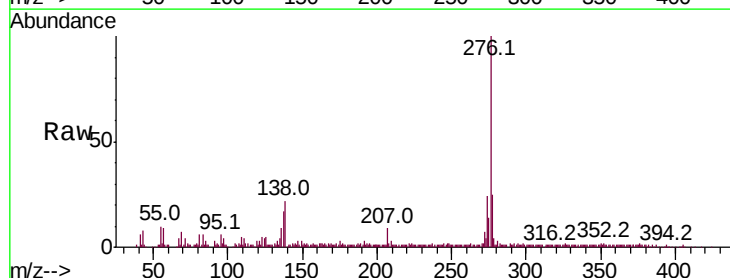
Tgt Ion:276 Resp: 223890

Ion Ratio Lower Upper

276 100

277 25.0 17.9 26.9

138 22.4 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

