

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107822.D
 Acq On : 31 Jul 2018 1:14
 Operator : JU/SJ
 Sample : J4143-10 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 31 02:08:55 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

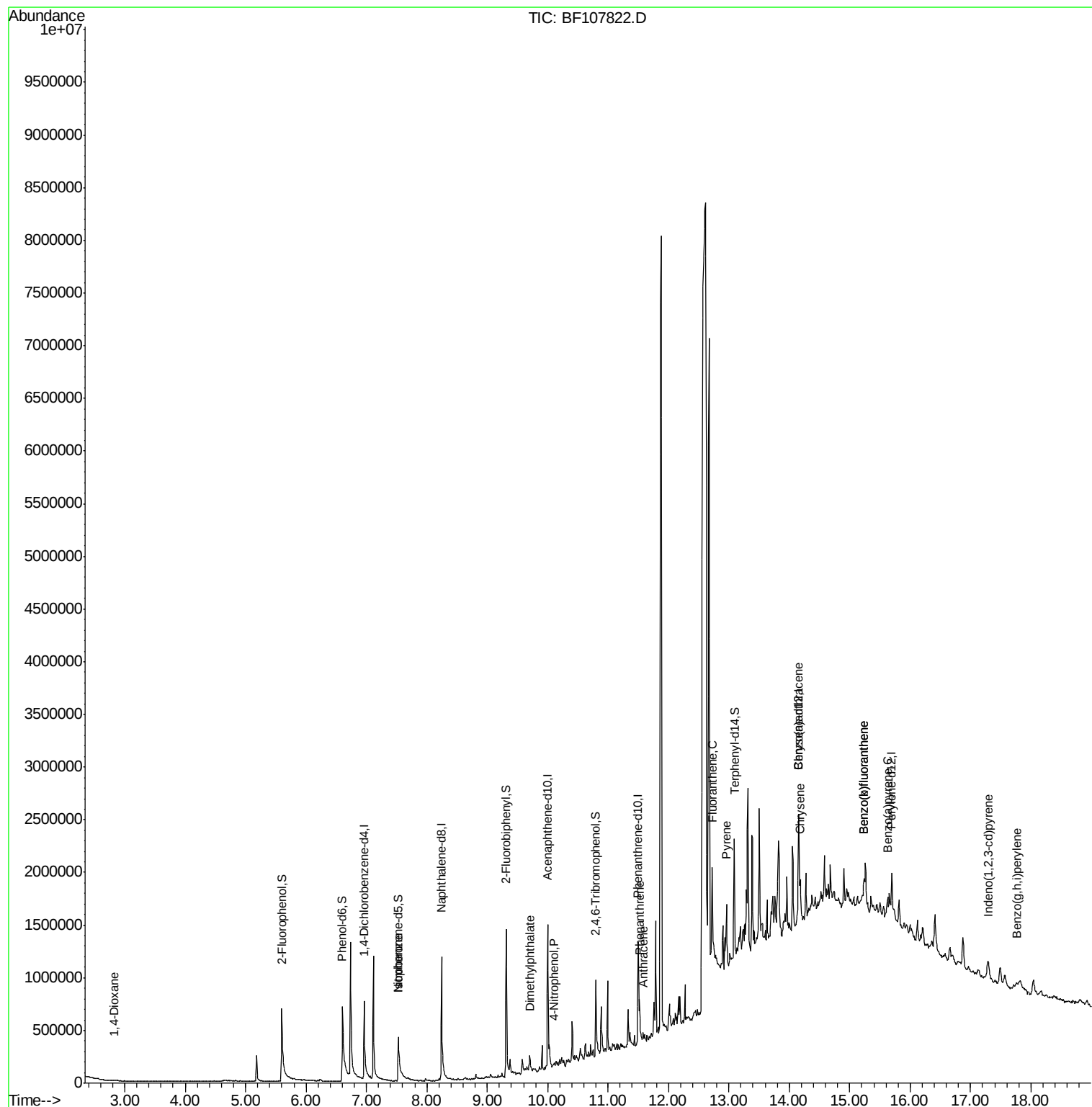
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	175645	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	753857	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	288166	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	524766	20.00	ng	0.00
75) Chrysene-d12	14.16	240	443390	20.00	ng	0.00
86) Perylene-d12	15.70	264	314932	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	410473	39.72	ng	0.00
7) Phenol-d6	6.60	99	600968	44.12	ng	0.00
23) Nitrobenzene-d5	7.52	82	348125	26.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	136375	34.83	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	584085	28.24	ng	0.00
78) Terphenyl-d14	13.09	244	515075	25.19	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.81	88	897	5.956	ng	# 20
25) Isophorone	7.52	82	348125	16.207	ng	# 65
49) Dimethylphthalate	9.71	163	56657	2.618	ng	# 99
55) 4-Nitrophenol	10.10	139	1120	9.667	ng	# 1
70) Phenanthrene	11.52	178	165143	6.628	ng	# 98
71) Anthracene	11.58	178	61846	2.152	ng	# 97
74) Fluoranthene	12.72	202	344180	11.758	ng	# 99
77) Pyrene	12.96	202	326734	10.234	ng	# 95
80) Benzo(a)anthracene	14.15	228	194882	7.759	ng	# 92
82) Chrysene	14.18	228	179179	6.614	ng	# 92
85) Indeno(1,2,3-cd)pyrene	17.28	276	68402	3.320	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	225468	14.516	ng	# 69
88) Benzo(k)fluoranthene	15.24	252	225468	11.823	ng	# 73
89) Benzo(a)pyrene	15.63	252	116945	7.293	ng	# 80
91) Benzo(a,h,i)perylene	17.77	276	74812	5.528	ng	# 88

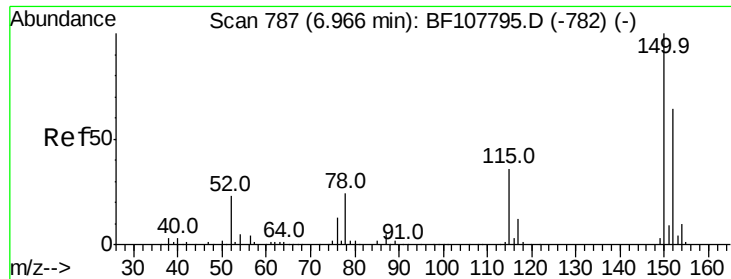
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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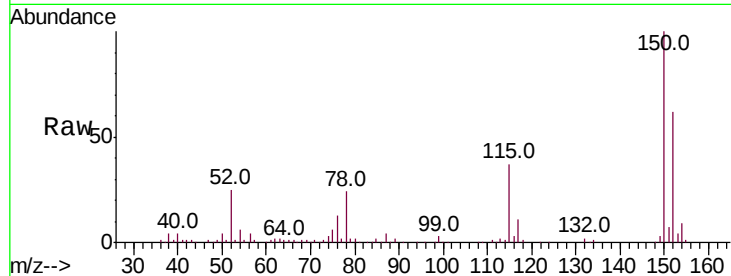


#1

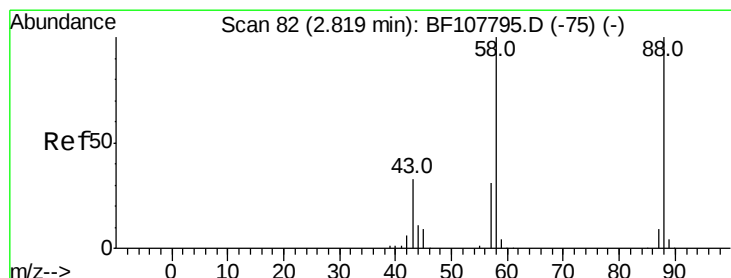
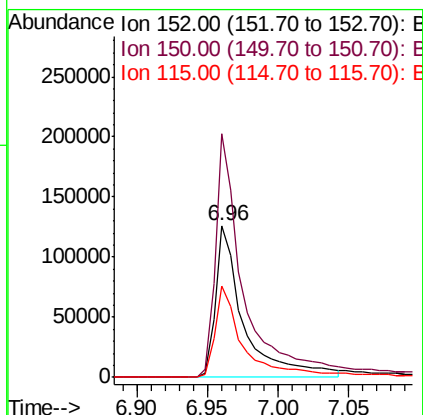
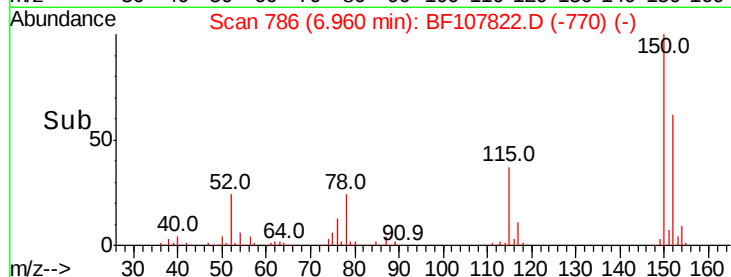
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 175645
Ion Ratio Lower Upper
152 100
150 160.6 124.6 186.8
115 60.2 50.1 75.1



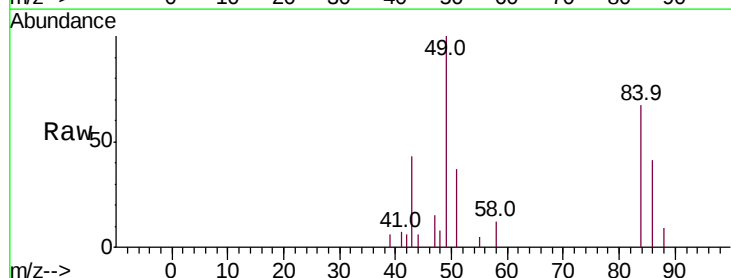
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



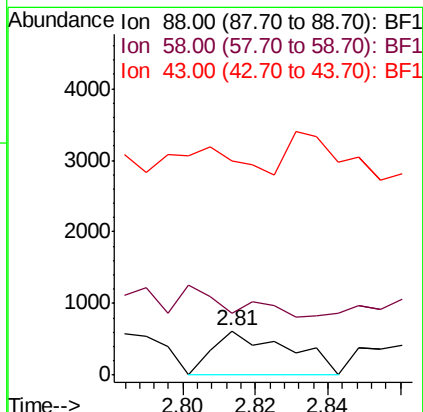
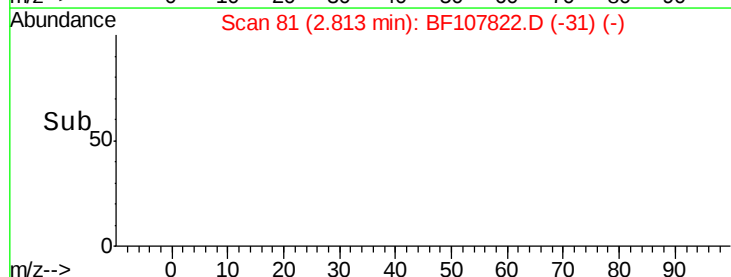
#2

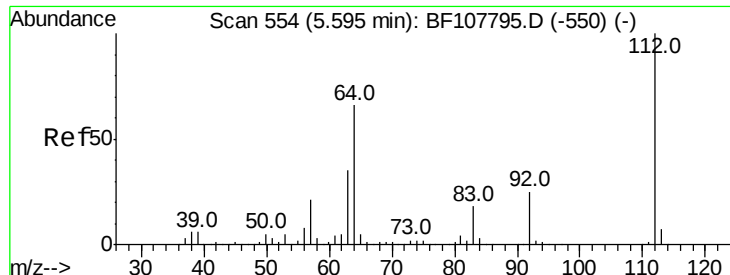
1,4-Dioxane
Concen: 5.956 ng
RT: 2.81 min Scan# 81
Delta R.T. -0.01 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Tgt Ion: 88 Resp: 897
Ion Ratio Lower Upper
88 100
58 0.0 62.6 93.8#
43 61.5 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: 39.717 ng

RT: 5.60 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF107822.D

Acq: 31 Jul 2018 1:14

Instrument :
BNA_F
ClientSampled :

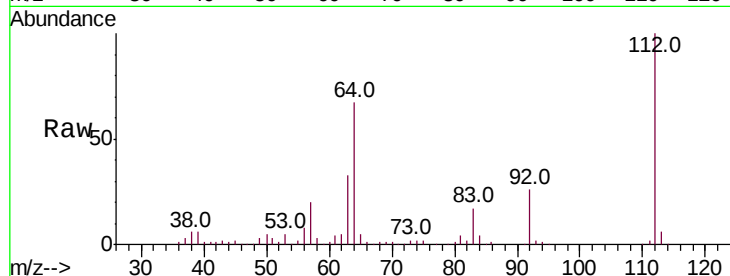
Tot Ion:112 Resp: 410473

Ion Ratio Lower Upper

112 100

64 66.8 47.9 71.9

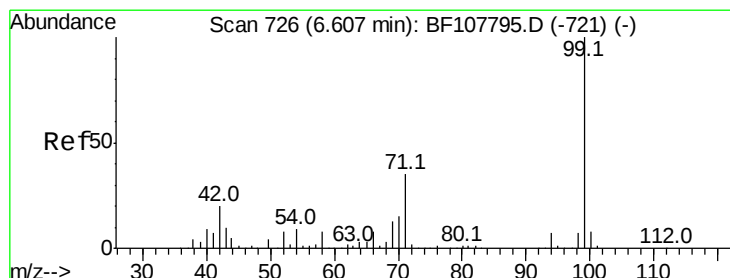
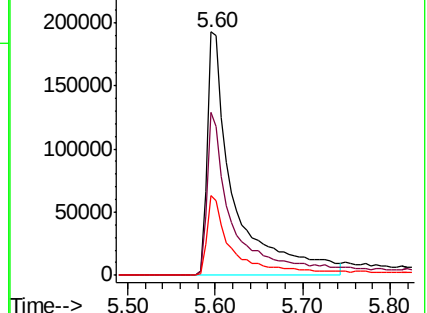
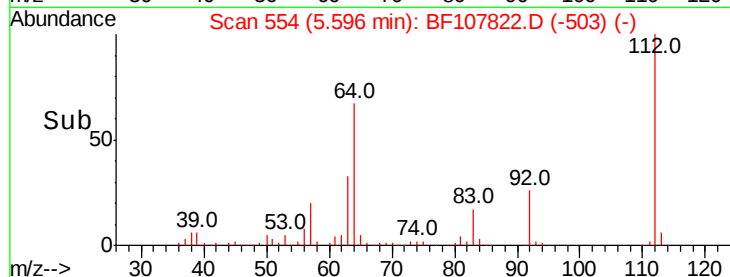
63 33.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 44.122 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107822.D

Acq: 31 Jul 2018 1:14

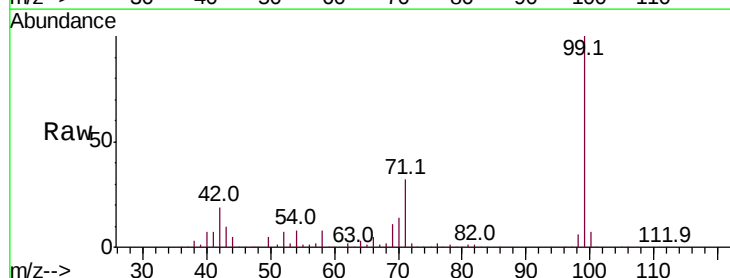
Tgt Ion: 99 Resp: 600968

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

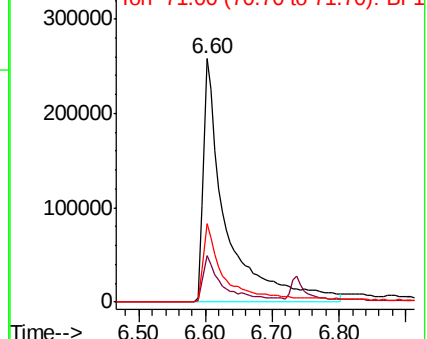
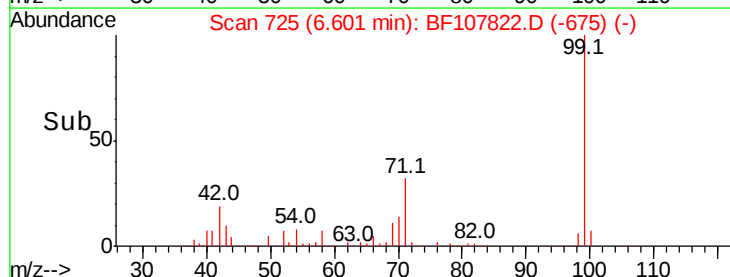
71 32.1 25.4 38.0

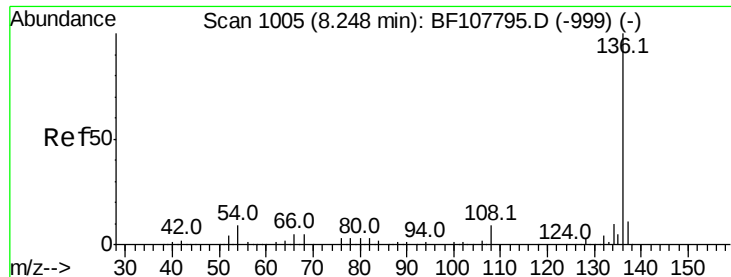


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

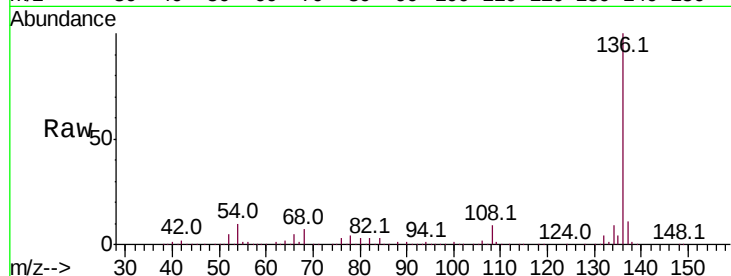




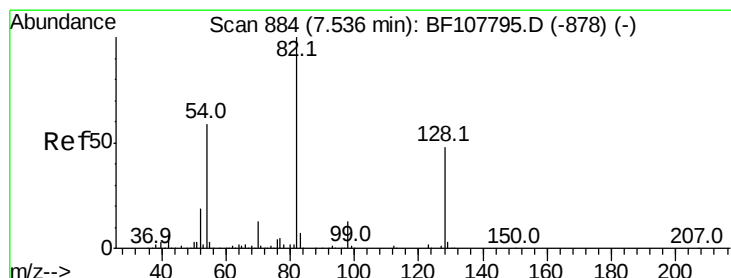
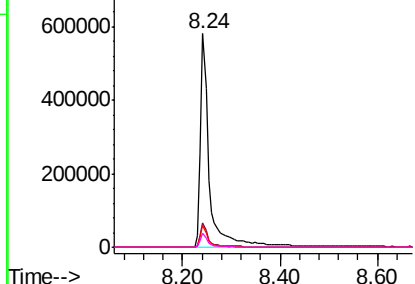
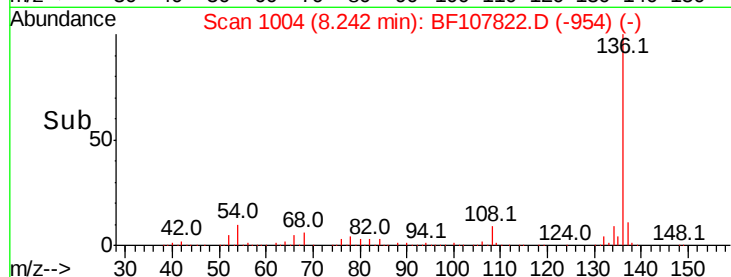
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	753857
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.9	6.6	9.8#
68	6.5	5.0	7.4

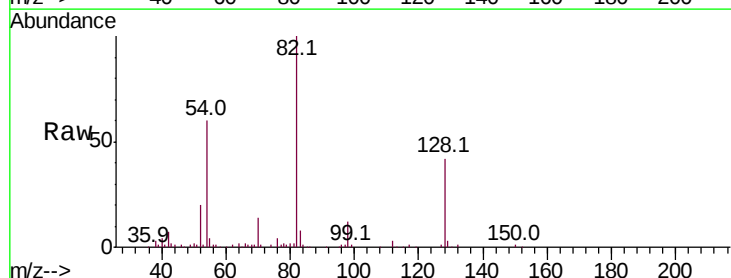


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

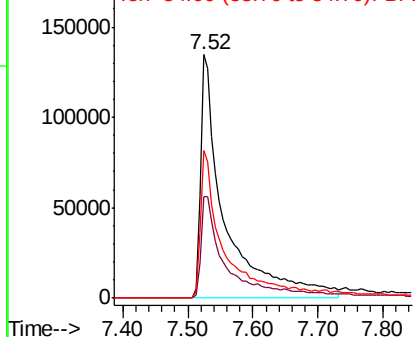
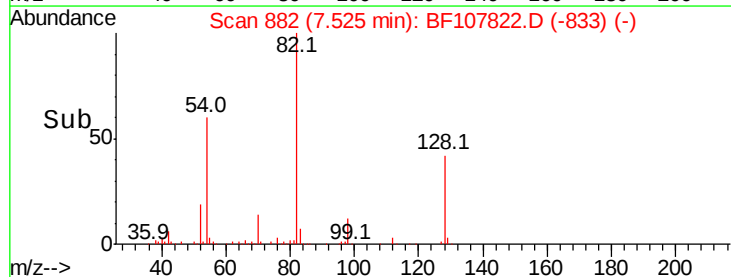


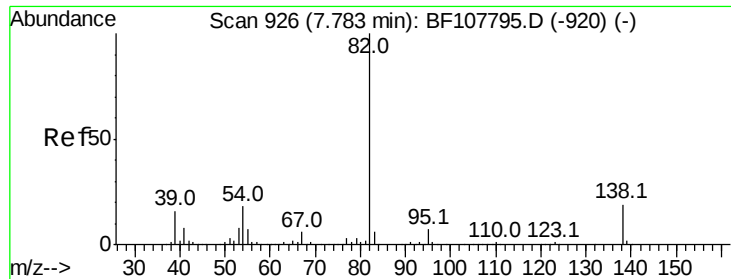
#23
Nitrobenzene-d5
Concen: 26.604 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Tgt Ion:	82	Resp:	348125
Ion	Ratio	Lower	Upper
82	100		
128	41.5	36.1	54.1
54	60.4	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: 16.207 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF107822.D

Acq: 31 Jul 2018 1:14

Instrument :

BNA_F

ClientSampleId :

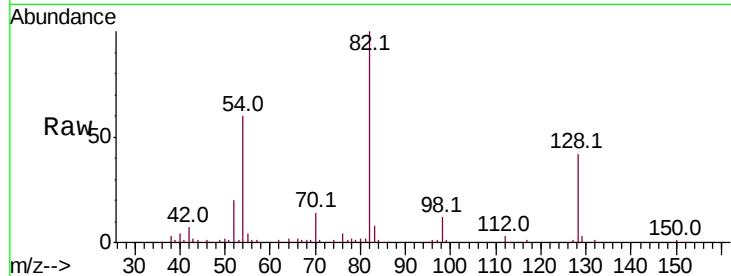
Tot Ion: 82 Resp: 348125

Ion Ratio Lower Upper

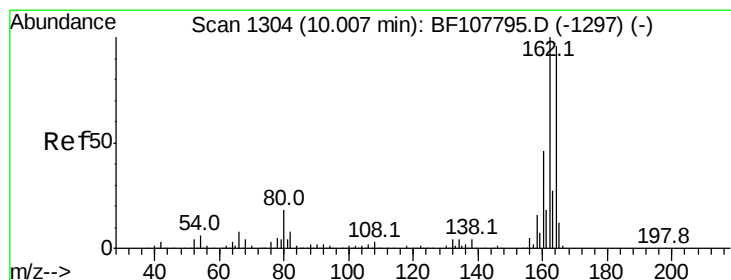
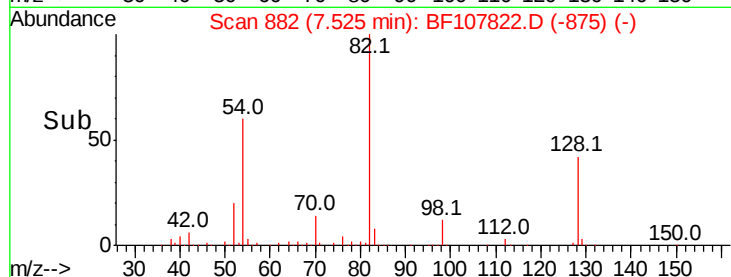
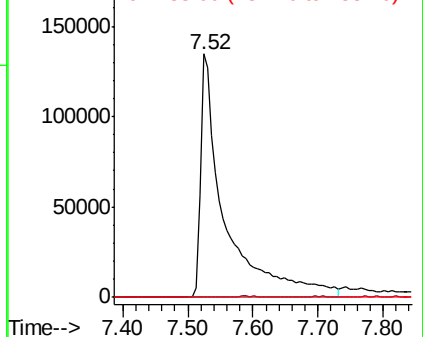
82 100

95 0.4 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: BF107822.D

Acq: 31 Jul 2018 1:14

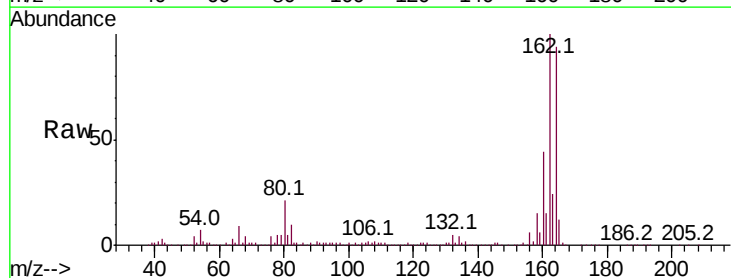
Tgt Ion:164 Resp: 288166

Ion Ratio Lower Upper

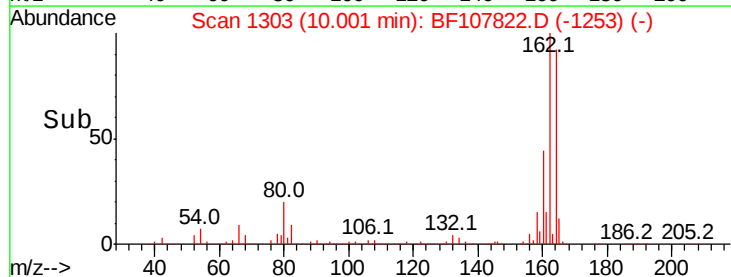
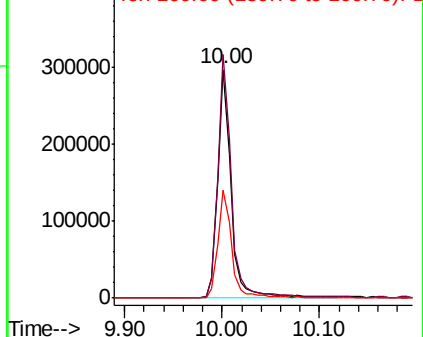
164 100

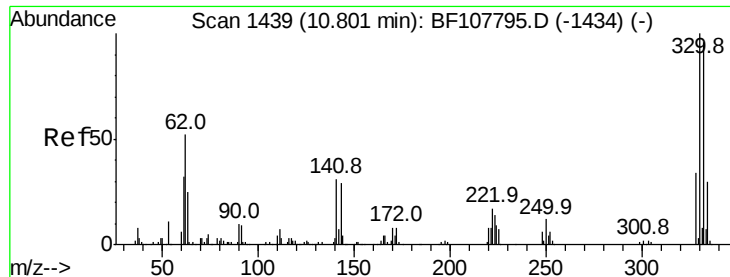
162 106.5 86.1 129.1

160 47.0 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

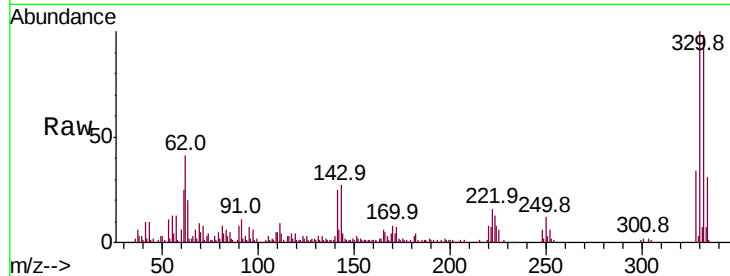




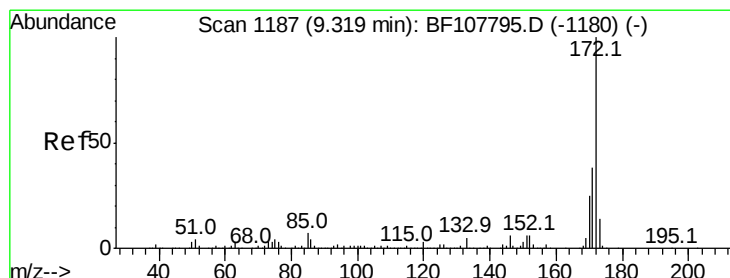
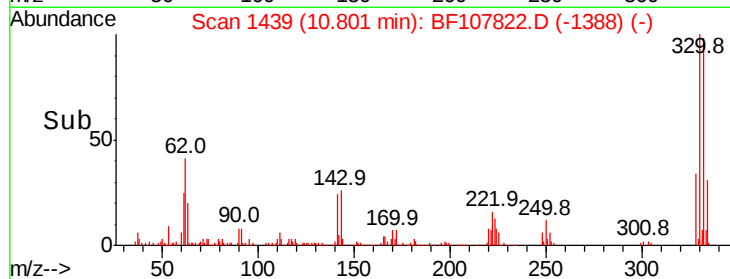
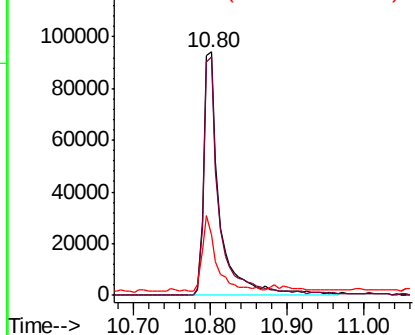
#41
 2,4,6-Tribromophenol
 Concen: 34.829 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107822.D
 Acq: 31 Jul 2018 1:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 136375
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.0 115.6
 141 27.9 29.9 44.9#

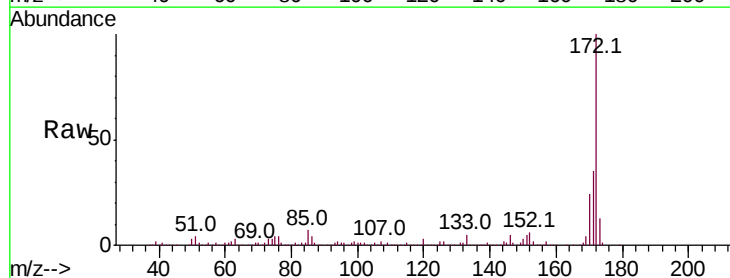


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

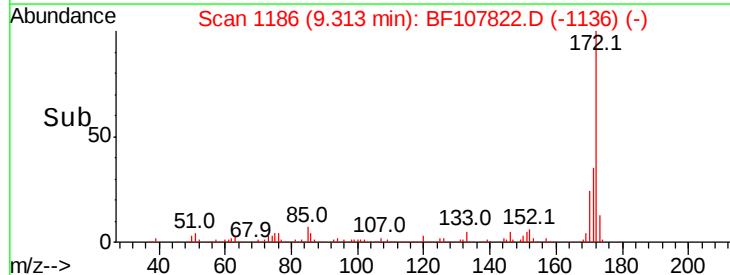
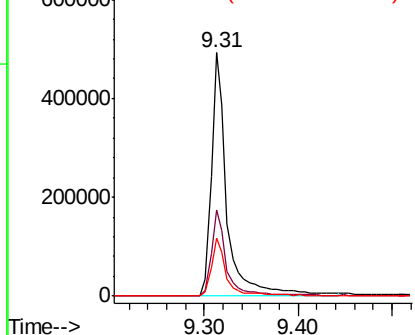


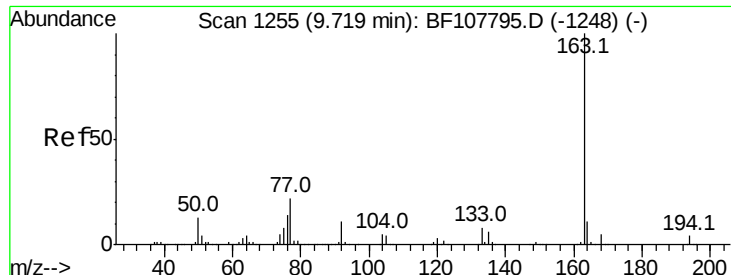
#44
 2-Fluorobiphenyl
 Concen: 28.245 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107822.D
 Acq: 31 Jul 2018 1:14

Tgt Ion:172 Resp: 584085
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 23.7 19.6 29.4



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

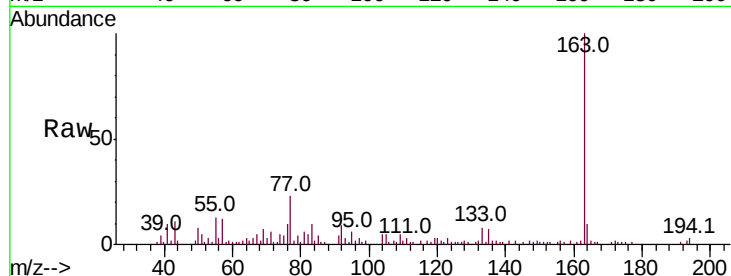




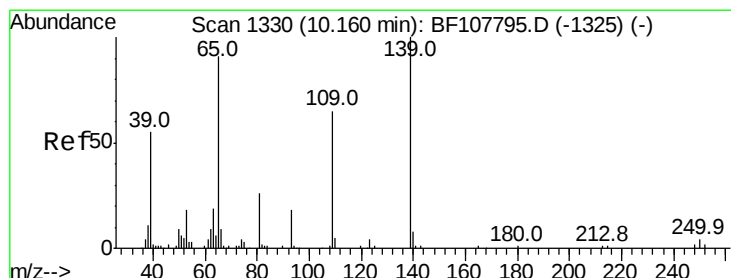
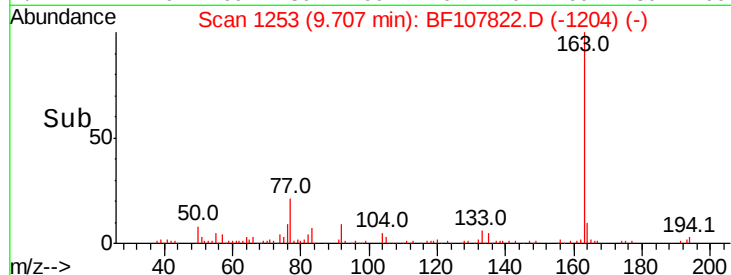
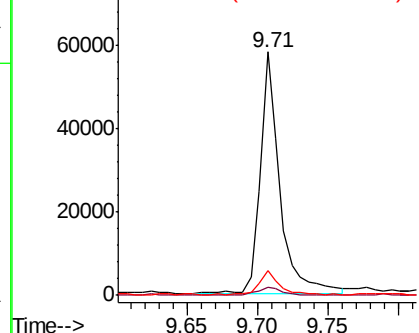
#49
Dimethylphthalate
Concen: 2.618 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 56657
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.9 8.2 12.2

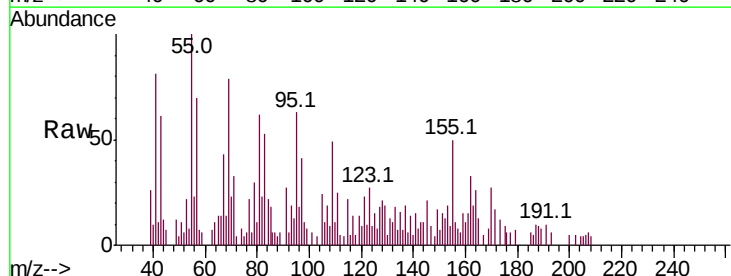


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

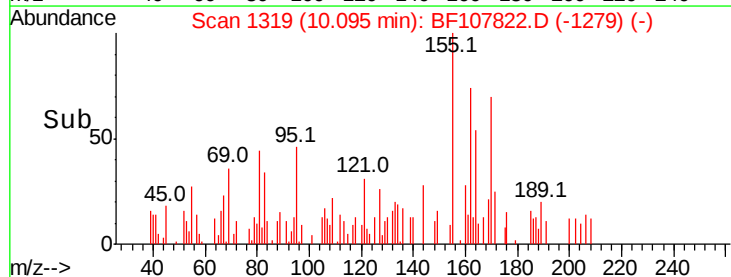
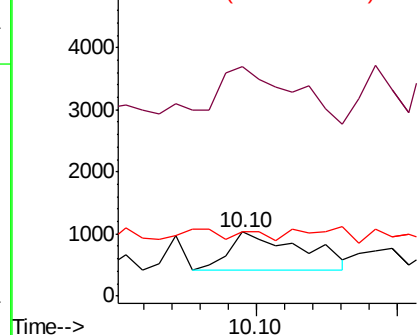


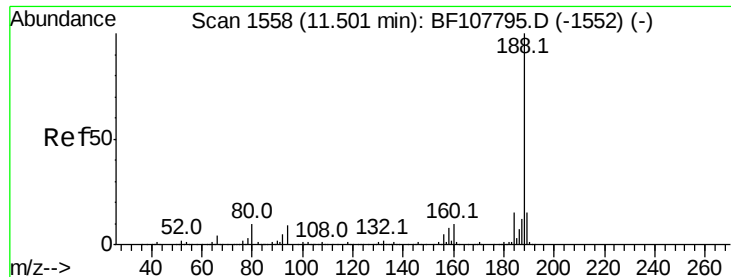
#55
4-Nitrophenol
Concen: 9.667 ng
RT: 10.10 min Scan# 1319
Delta R.T. -0.06 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Tgt Ion:139 Resp: 1120
Ion Ratio Lower Upper
139 100
109 356.7 48.4 88.4#
65 100.9 72.6 112.6



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF107822.D

Acq: 31 Jul 2018 1:14

Instrument :

BNA_F

ClientSampled :

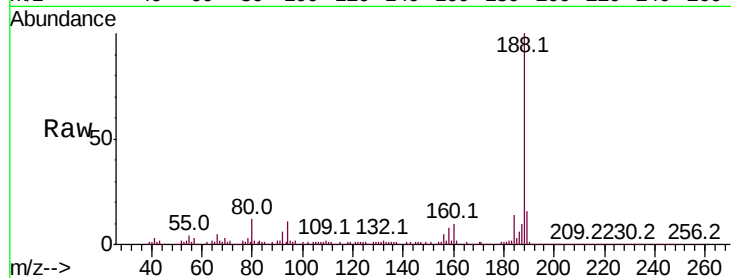
Tot Ion:188 Resp: 524766

Ion Ratio Lower Upper

188 100

94 11.2 8.5 12.7

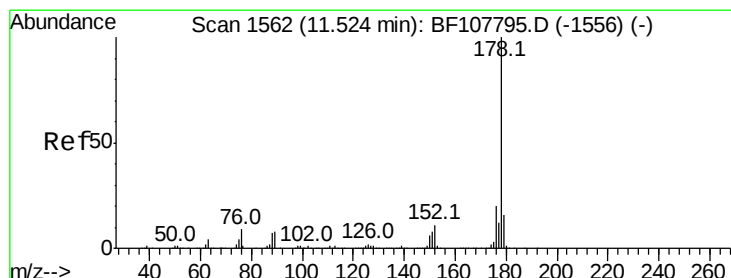
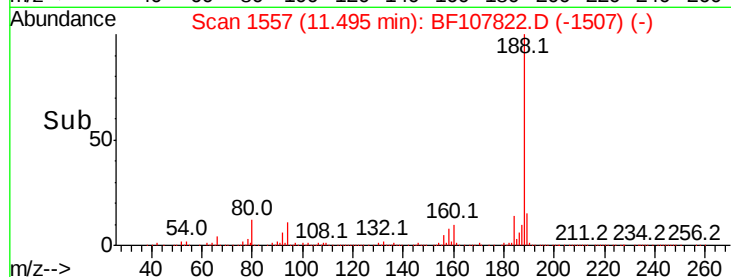
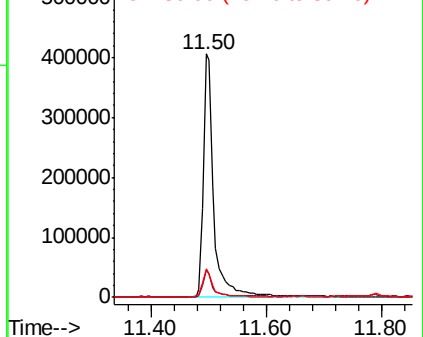
80 11.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 6.628 ng

RT: 11.52 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF107822.D

Acq: 31 Jul 2018 1:14

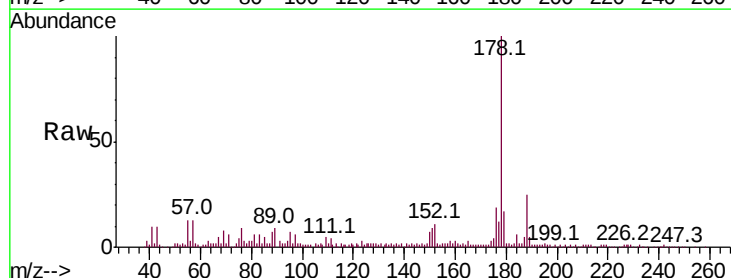
Tgt Ion:178 Resp: 165143

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

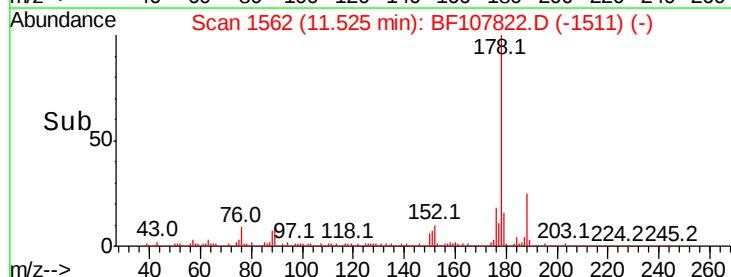
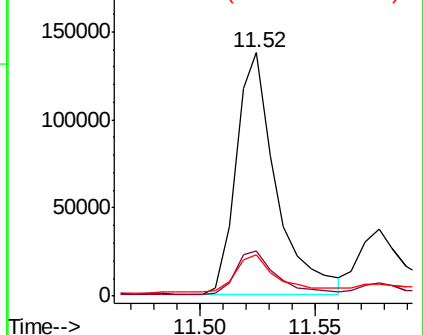
179 16.8 13.0 19.6

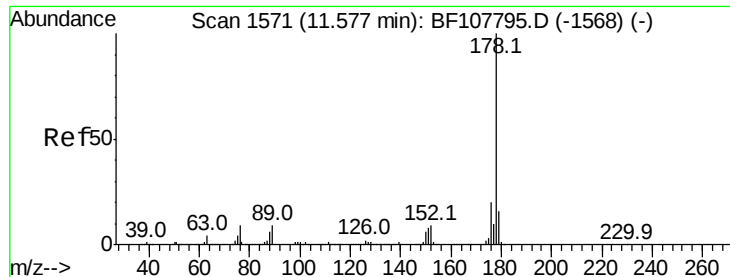


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

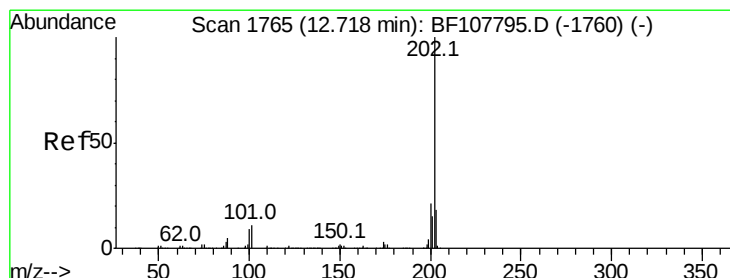
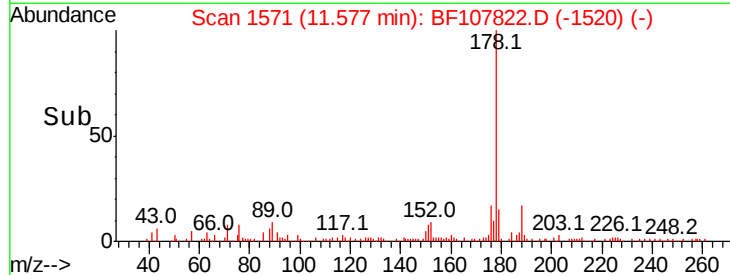
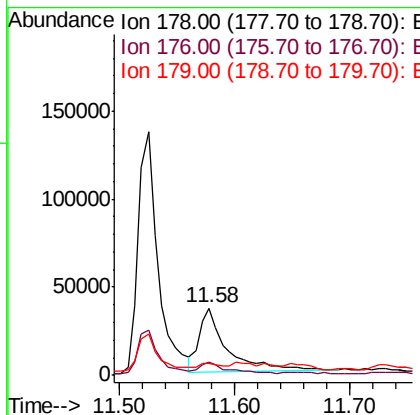
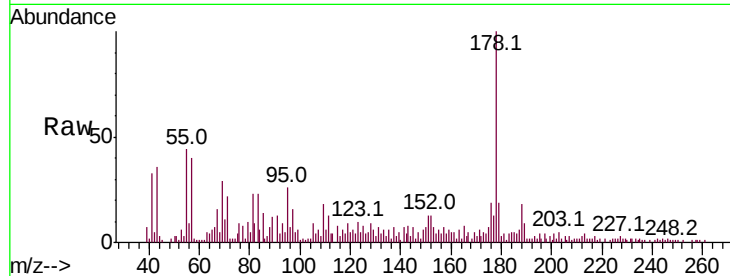




#71
 Anthracene
 Concen: 2.152 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF107822.D
 Acq: 31 Jul 2018 1:14

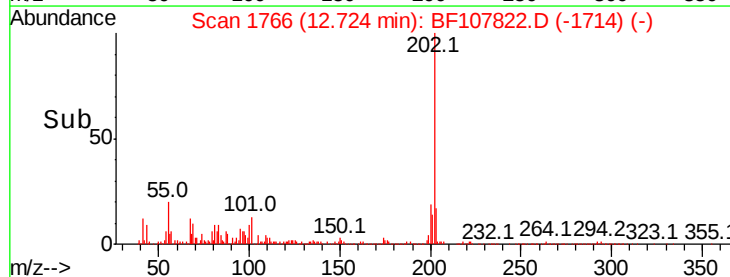
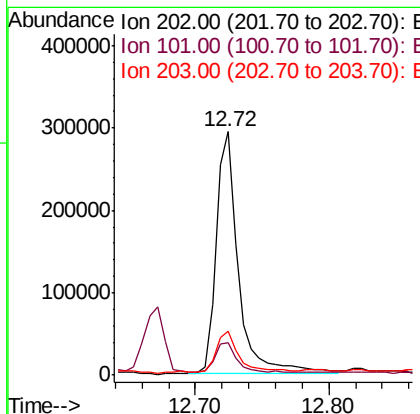
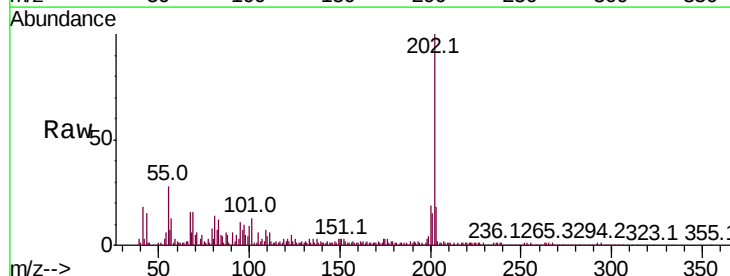
Instrument :
 BNA_F
 ClientSampleId :

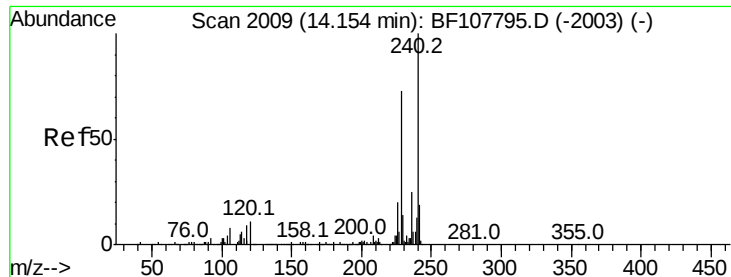
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	18.5	12.6	19.0



#74
 Fluoranthene
 Concen: 11.758 ng
 RT: 12.72 min Scan# 1766
 Delta R.T. 0.01 min
 Lab File: BF107822.D
 Acq: 31 Jul 2018 1:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	34.1
203	18.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. 0.01 min

Lab File: BF107822.D

Acq: 31 Jul 2018 1:14

Instrument :

BNA_F

ClientSampled :

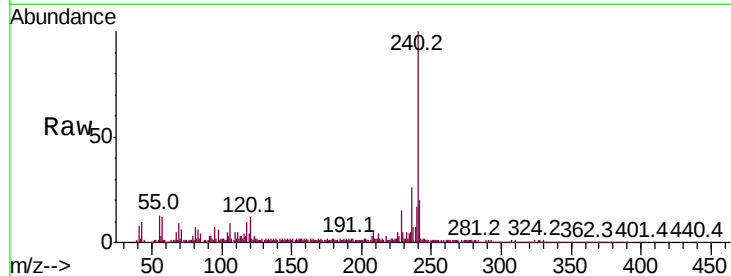
Tot Ion:240 Resp: 443390

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

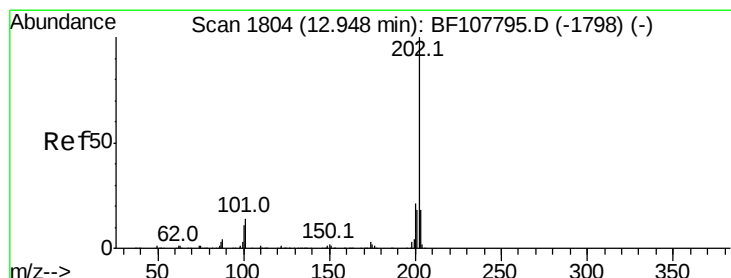
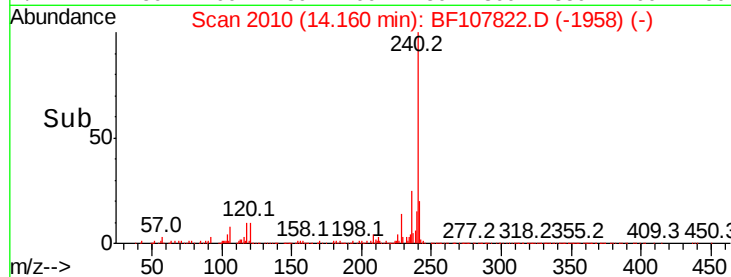
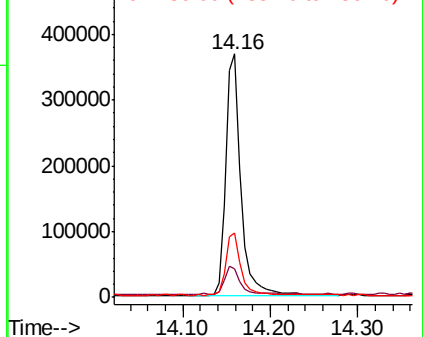
236 26.3 20.7 31.1



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: 10.234 ng

RT: 12.96 min Scan# 1806

Delta R.T. 0.01 min

Lab File: BF107822.D

Acq: 31 Jul 2018 1:14

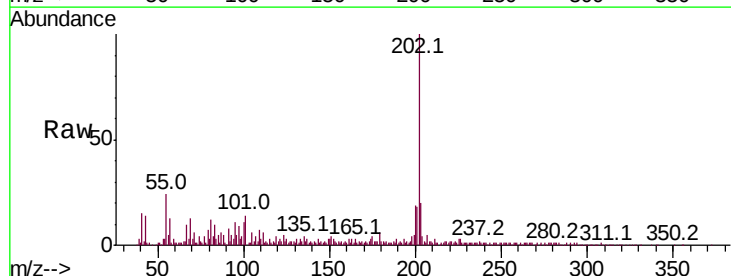
Tgt Ion:202 Resp: 326734

Ion Ratio Lower Upper

202 100

200 19.4 17.4 26.2

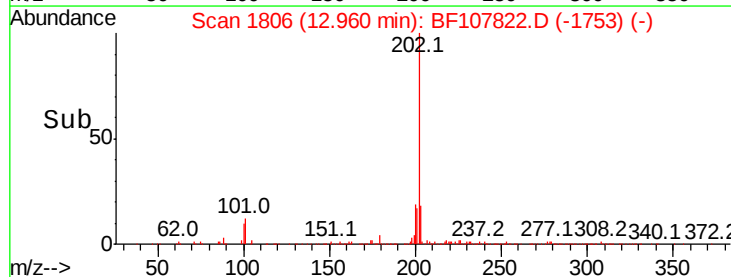
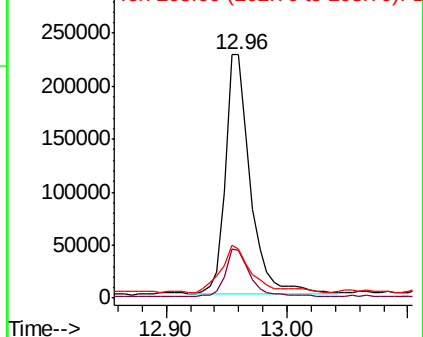
203 20.2 14.3 21.5

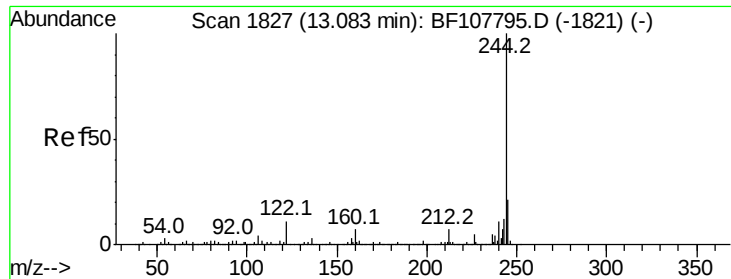


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

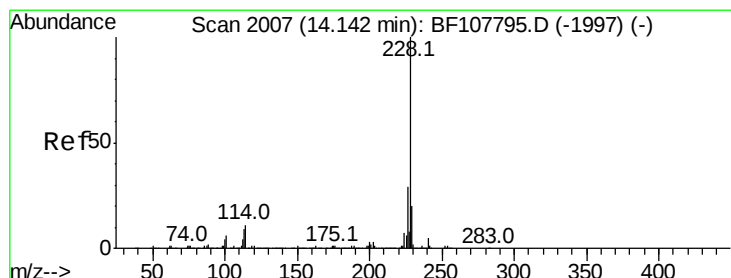
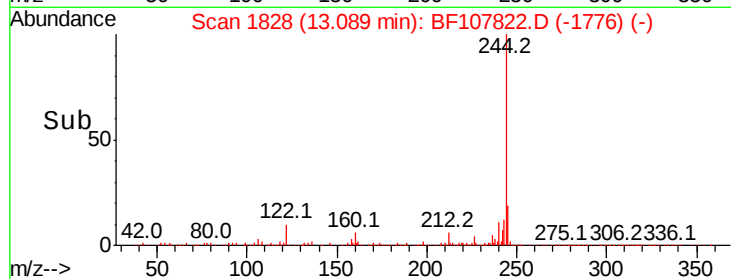
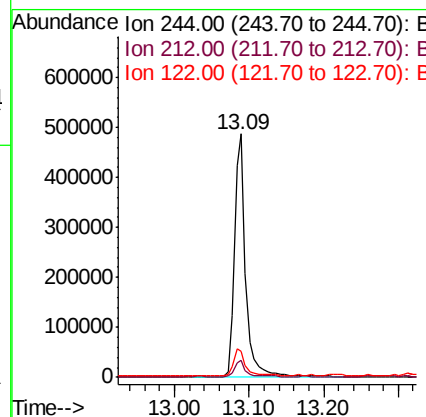
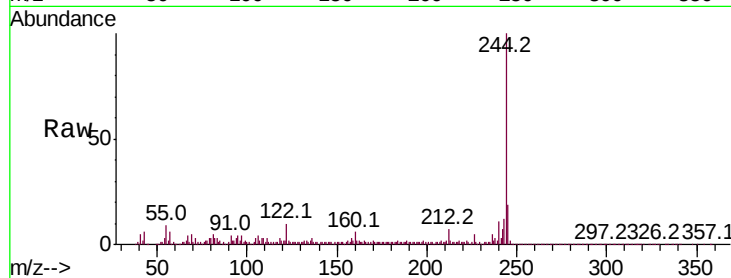




#78
 Terphenyl-d14
 Concen: 25.190 ng
 RT: 13.09 min Scan# 1828
 Delta R.T. 0.01 min
 Lab File: BF107822.D
 Acq: 31 Jul 2018 1:14

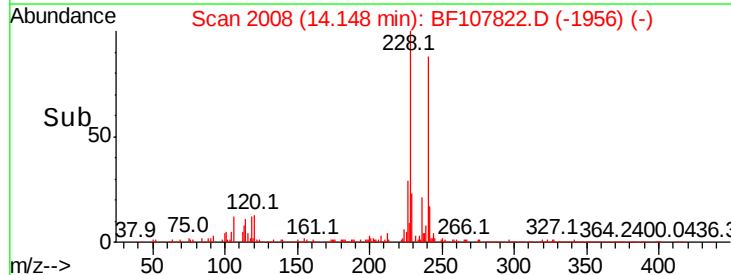
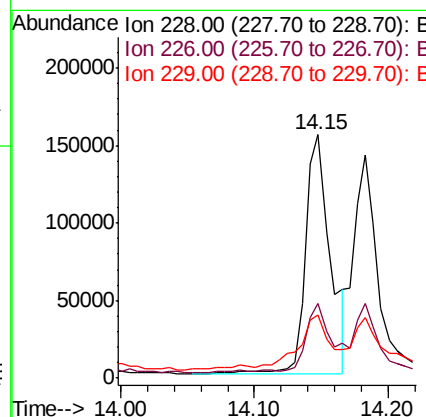
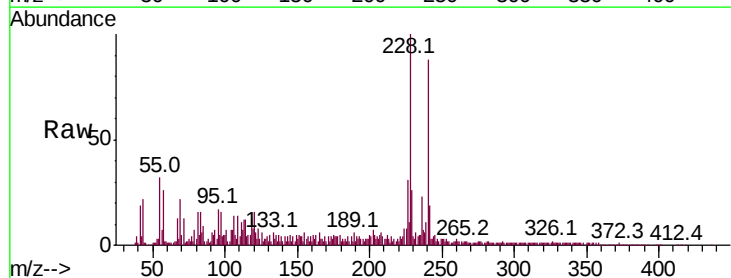
Instrument :
 BNA_F
 ClientSampleId :

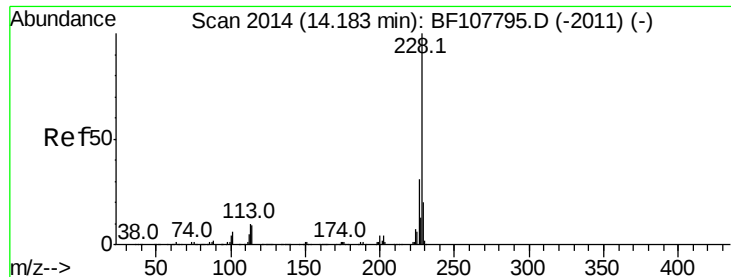
Tot Ion:244 Resp: 515075
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.4 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 7.759 ng
 RT: 14.15 min Scan# 2008
 Delta R.T. 0.01 min
 Lab File: BF107822.D
 Acq: 31 Jul 2018 1:14

Tgt Ion:228 Resp: 194882
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.6 33.8
 229 25.9 15.8 23.6#

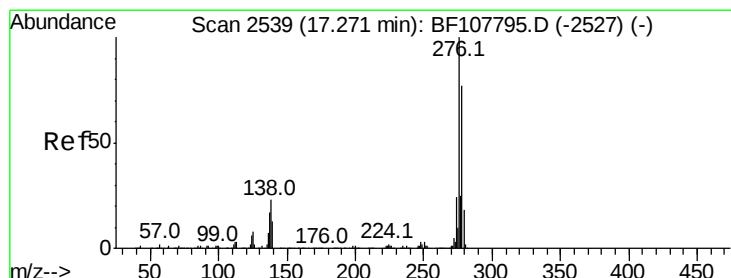
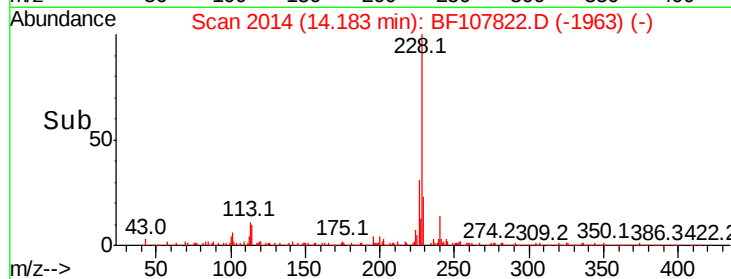
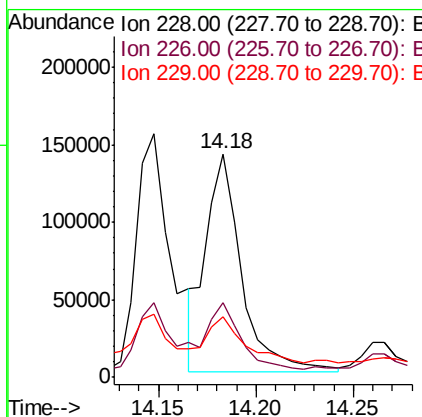
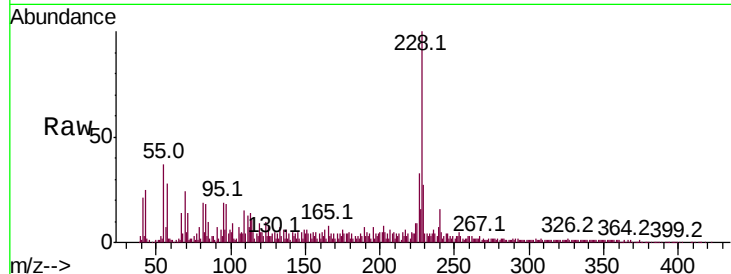




#82
Chrysene
Concen: 6.614 ng
RT: 14.18 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

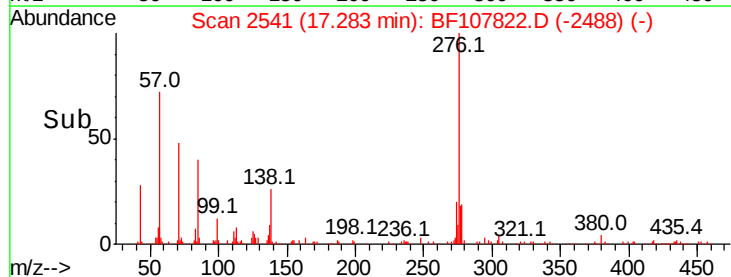
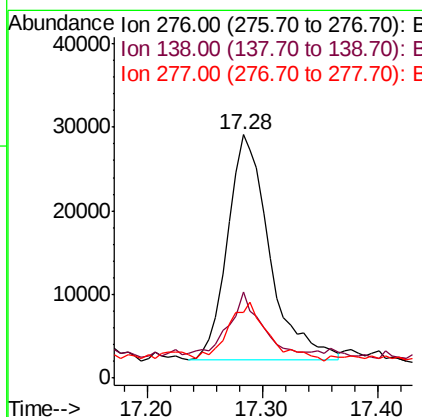
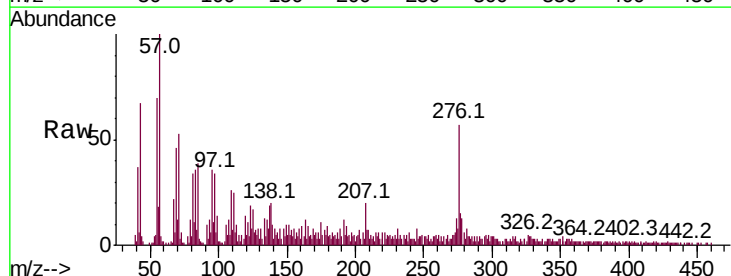
Instrument :
BNA_F
ClientSampleId :

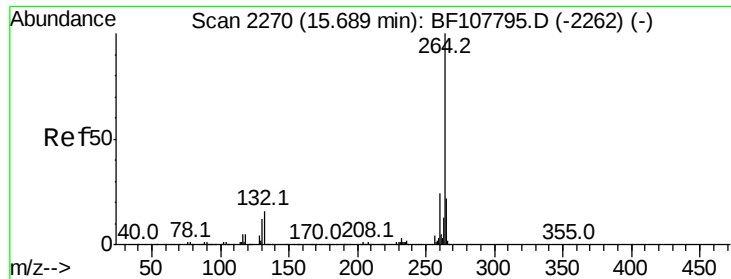
Tot Ion	Ratio	Lower	Upper
228	100		
226	33.3	25.0	37.6
229	27.0	16.2	24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.320 ng
RT: 17.28 min Scan# 2541
Delta R.T. 0.01 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	25.0	37.6
277	24.7	20.1	30.1

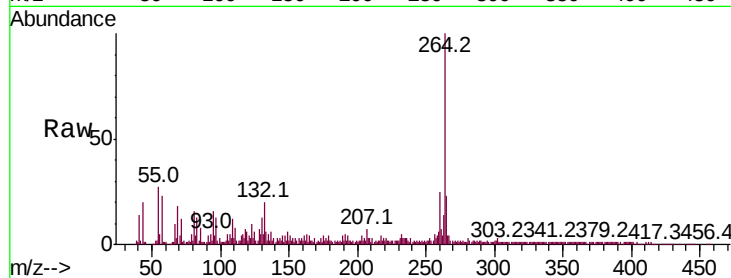




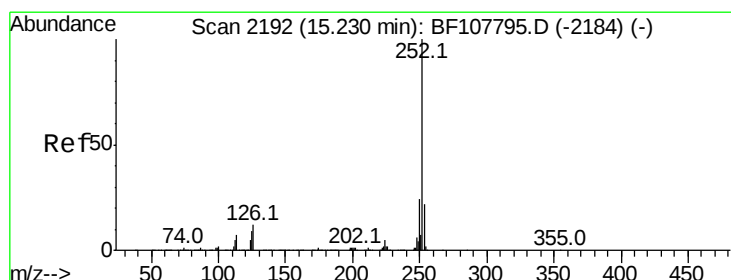
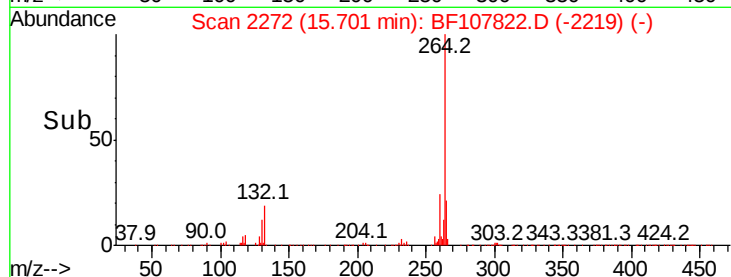
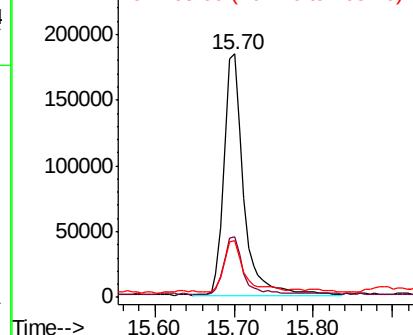
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 314932
Ion Ratio Lower Upper
264 100
260 25.0 19.2 28.8
265 23.4 17.5 26.3

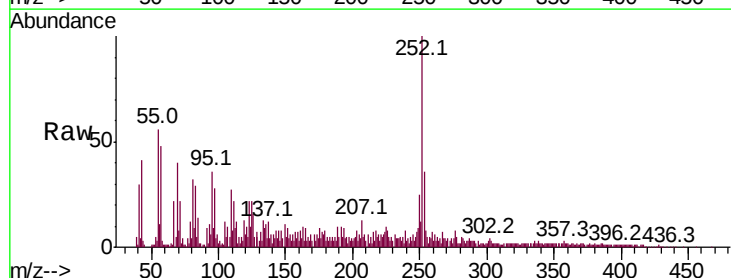


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

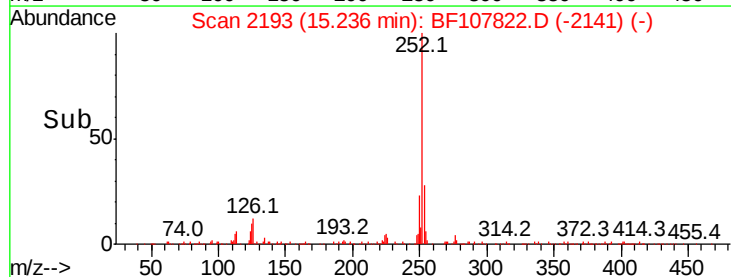
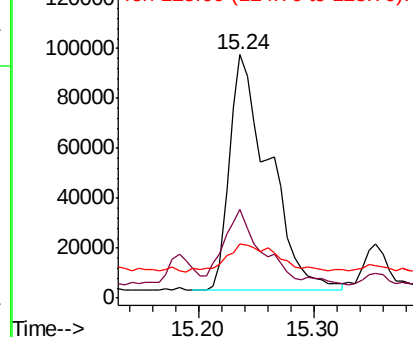


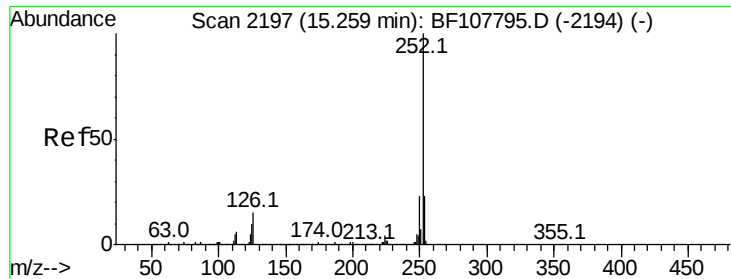
#87
Benzo(b)fluoranthene
Concen: 14.516 ng
RT: 15.24 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Tgt Ion:252 Resp: 225468
Ion Ratio Lower Upper
252 100
253 36.4 17.0 25.6#
125 22.2 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

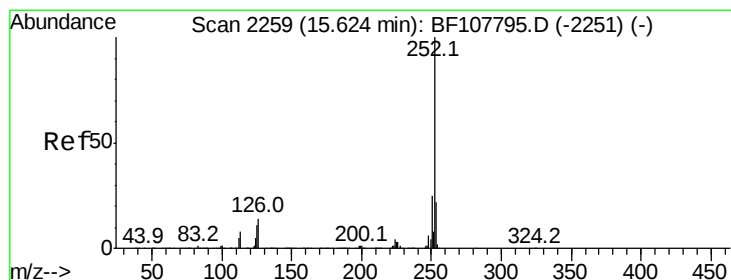
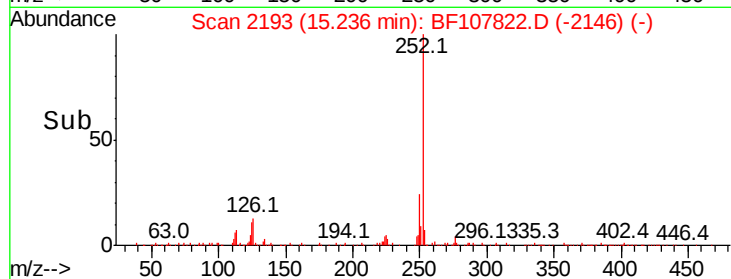
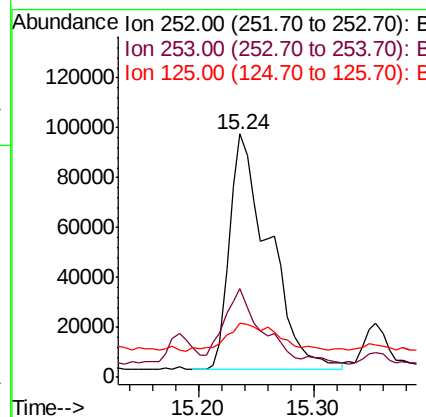
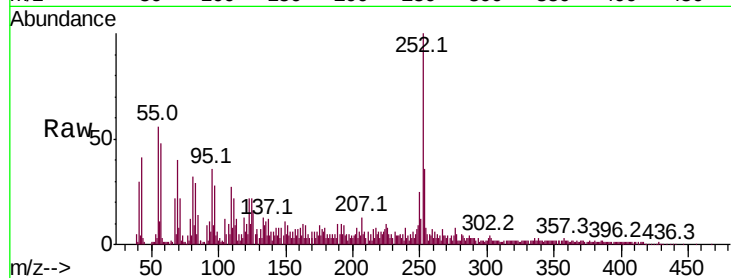




#88
Benzo(k)fluoranthene
Concen: 11.823 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

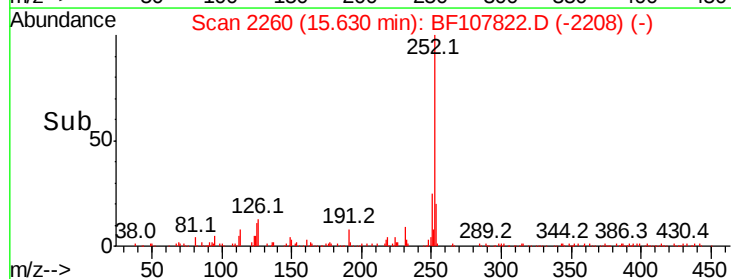
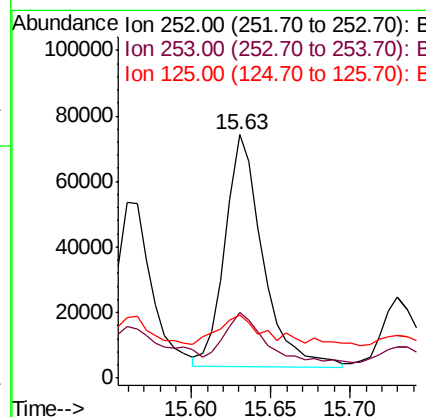
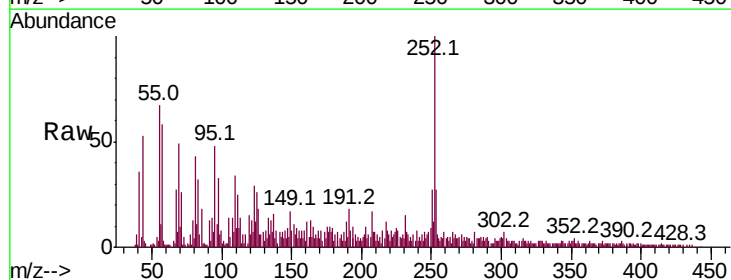
Instrument :
BNA_F
ClientSampleId :

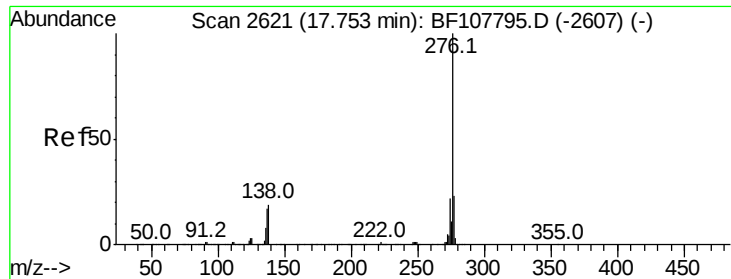
Tot Ion	Ratio	Lower	Upper
252	100		
253	36.4	17.9	26.9#
125	22.2	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 7.293 ng
RT: 15.63 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.1	25.7#
125	25.7	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 5.528 ng
 RT: 17.77 min Scan# 2623
 Delta R.T. 0.01 min
 Lab File: BF107822.D
 Acq: 31 Jul 2018 1:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 74812
 Ion Ratio Lower Upper
 276 100
 277 29.3 17.9 26.9#
 138 33.0 21.8 32.8#

