

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107830.D
 Acq On : 31 Jul 2018 5:18
 Operator : JU/SJ
 Sample : J4184-07DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 31 06:43:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	174317	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	527020	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	284409	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	480724	20.00	ng	0.00
75) Chrysene-d12	14.15	240	459422	20.00	ng	0.00
86) Perylene-d12	15.68	264	380556	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	105085	10.25	ng	0.01
7) Phenol-d6	6.62	99	90354	6.68	ng	0.01
23) Nitrobenzene-d5	7.53	82	257748	28.18	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	90146	23.33	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	531630	26.05	ng	0.00
78) Terphenyl-d14	13.08	244	445828	21.04	ng	0.00

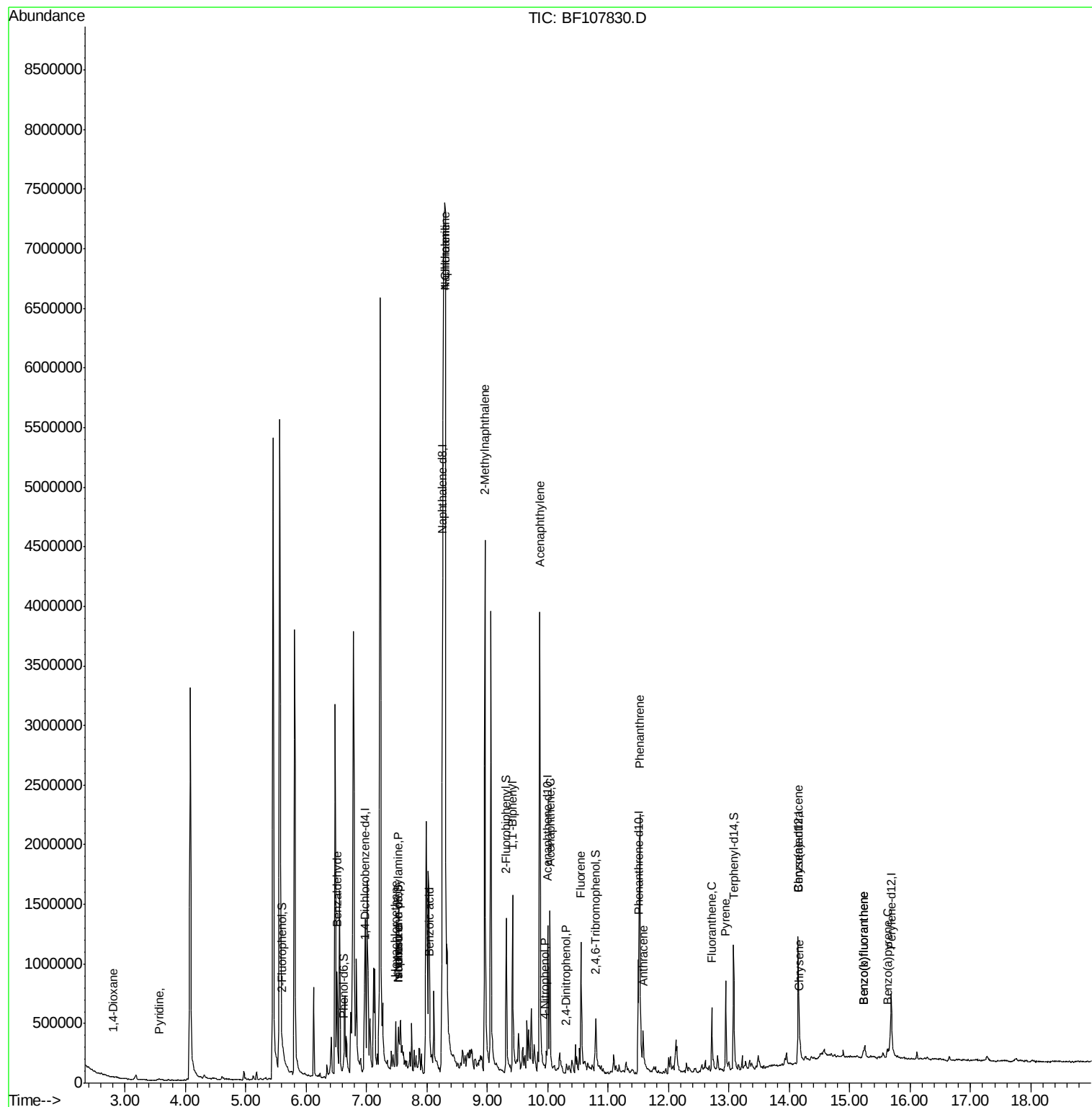
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.81	88	285	5.846	ng	# 1
3) Pyridine	3.57	79	3263	6.490	ng	# 1
9) Benzaldehyde	6.51	77	27590	3.383	ng	# 1
18) Hexachloroethane	7.49	117	94076	17.400	ng	# 47
19) n-Nitroso-di-n-propylamine	7.53	70	29738	3.468	ng	# 83
25) Isophorone	7.53	82	257747	17.164	ng	# 64
31) Naphthalene	8.30	128	10703151	436.897	ng	# 90
32) Benzoic acid	8.05	122	5878	2.821	ng	# 20
33) 4-Chloroaniline	8.31	127	1708937	163.314	ng	# 37
37) 2-Methylnaphthalene	8.96	142	1647322	107.049	ng	# 99
45) 1,1'-Biphenyl	9.42	154	678572	26.217	ng	# 99
48) Acenaphthylene	9.87	152	2201491	72.755	ng	# 97
51) Acenaphthene	10.04	154	314594	17.898	ng	# 98
53) 2,4-Dinitrophenol	10.30	184	151	8.496	ng	# 37
55) 4-Nitrophenol	9.94	139	898	9.601	ng	# 90
57) Fluorene	10.55	166	428716	20.305	ng	# 94
70) Phenanthrene	11.52	178	1005384	44.045	ng	# 99
71) Anthracene	11.58	178	273910	10.404	ng	# 97
74) Fluoranthene	12.72	202	280921	10.476	ng	# 96
77) Pvrene	12.95	202	381316	11.526	ng	# 97
80) Benzo(a)anthracene	14.14	228	75822	2.913	ng	# 68
82) Chrysene	14.18	228	70049	2.495	ng	# 94
87) Benzo(b)fluoranthene	15.23	252	65232	3.476	ng	# 92
88) Benzo(k)fluoranthene	15.23	252	65232	2.831	ng	# 95
89) Benzo(a)pyrene	15.62	252	55282	2.853	ng	# 94

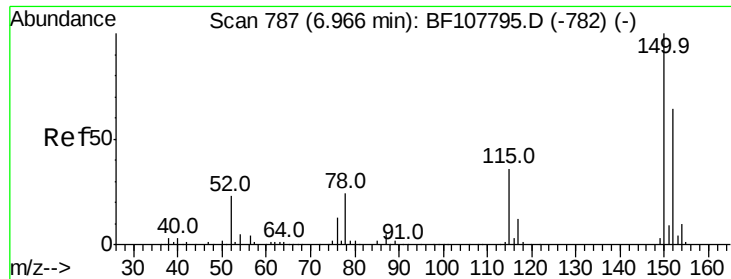
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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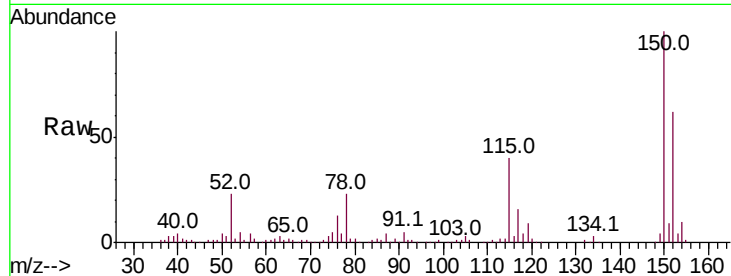


#1

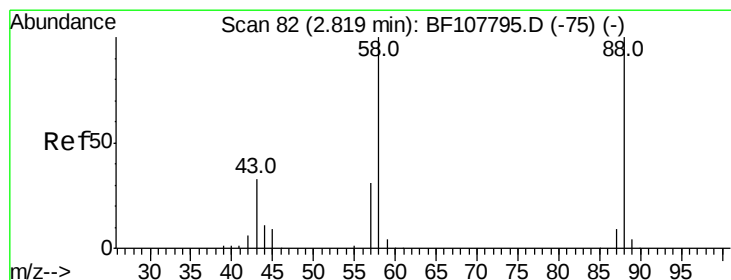
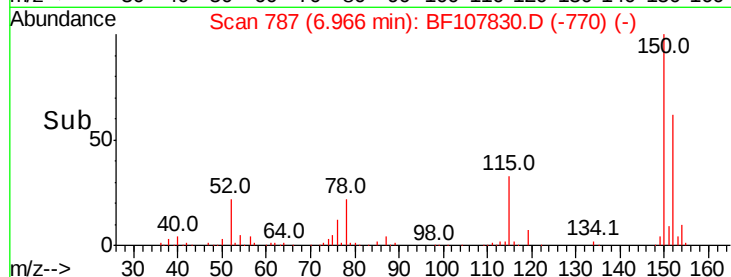
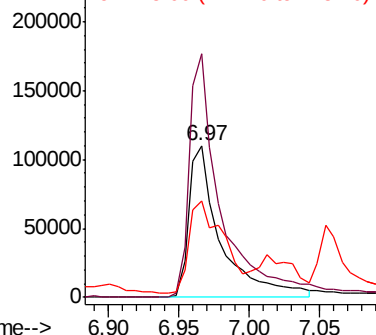
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	124.6	186.8
115	64.0	50.1	75.1



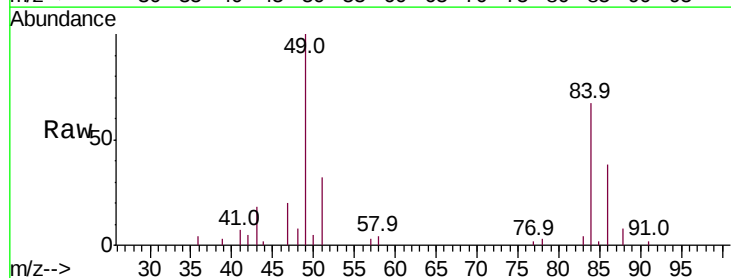
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



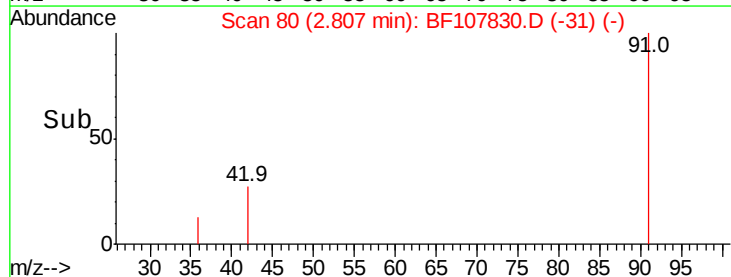
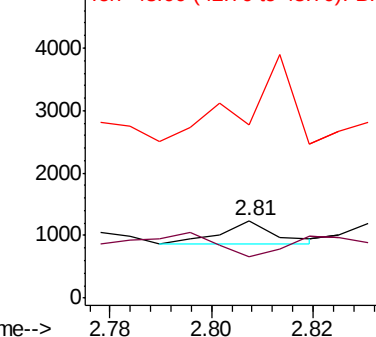
#2

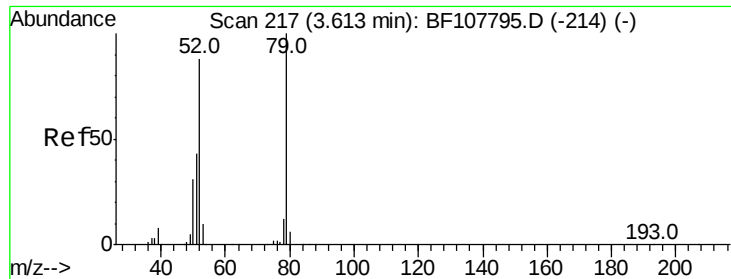
1,4-Dioxane
Concen: 5.846 ng
RT: 2.81 min Scan# 80
Delta R.T. -0.01 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	200.4	62.6	93.8#
43	324.2	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





#3

Pvridine

Concen: 6.490 ng

RT: 3.57 min Scan# 210

Delta R.T. -0.04 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

Instrument :

BNA_F

ClientSampled :

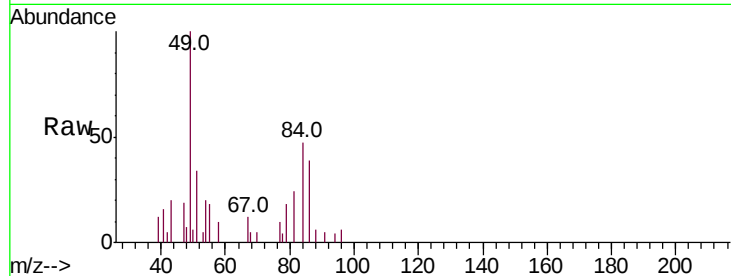
Tot Ion: 79 Resp: 3263

Ion Ratio Lower Upper

79 100

52 0.0 59.8 89.6#

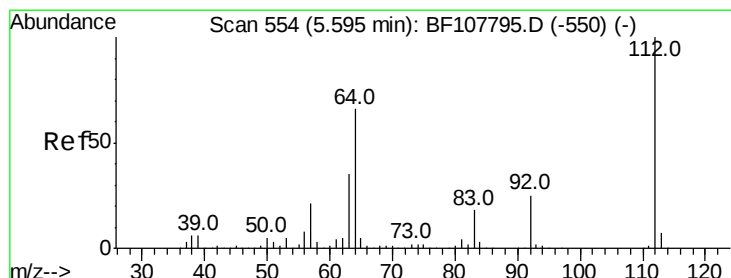
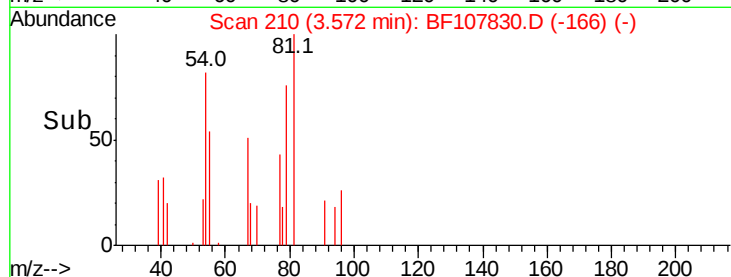
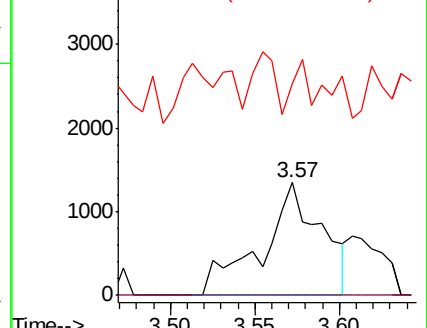
51 188.1 29.8 44.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#5

2-Fluorophenol

Concen: 10.246 ng

RT: 5.61 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

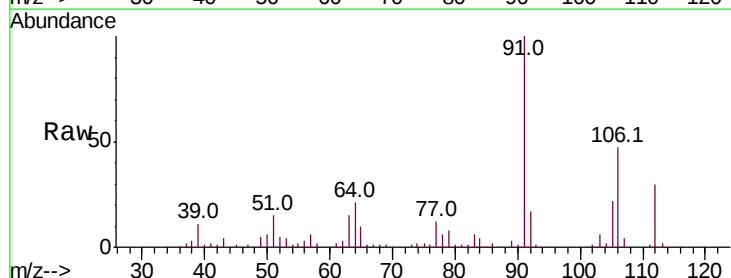
Tgt Ion: 112 Resp: 105085

Ion Ratio Lower Upper

112 100

64 70.6 47.9 71.9

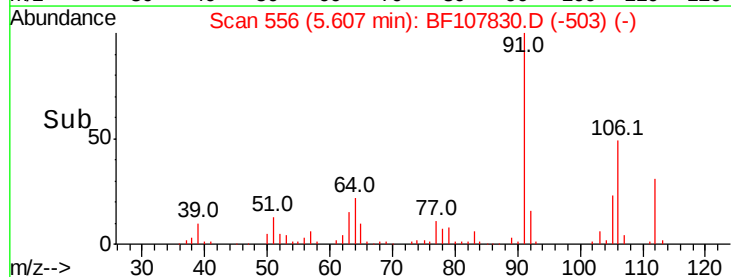
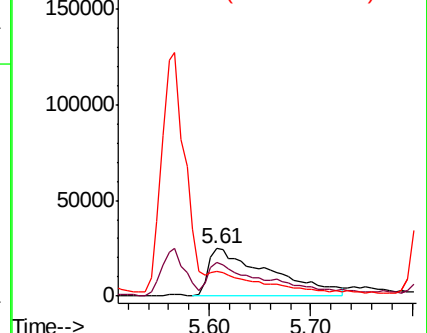
63 51.3 23.7 35.5#

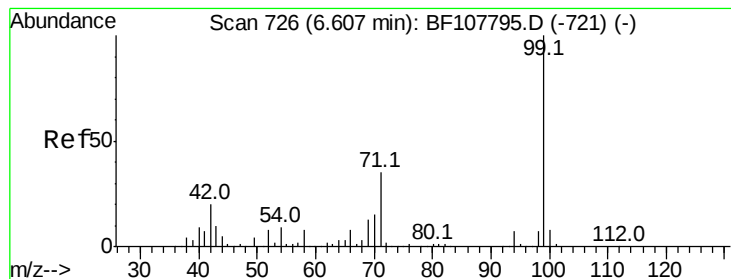


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 6.684 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

Instrument :

BNA_F

ClientSampleId :

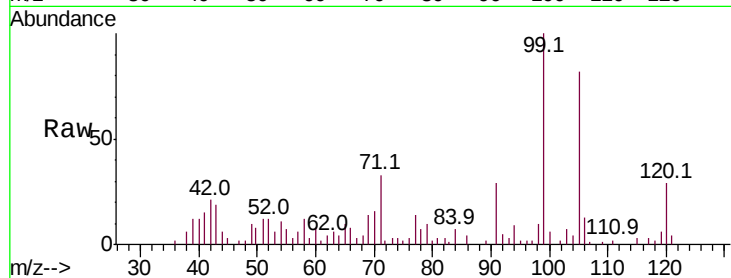
Tot Ion: 99 Resp: 90354

Ion Ratio Lower Upper

99 100

42 21.4 14.5 21.7

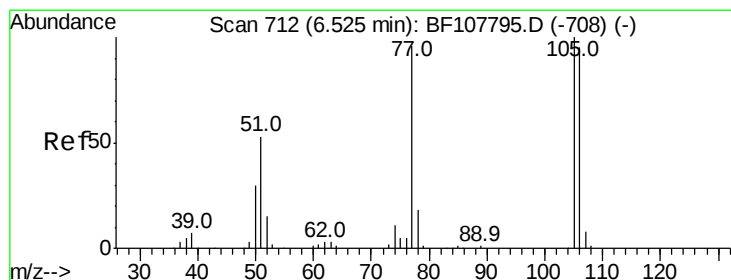
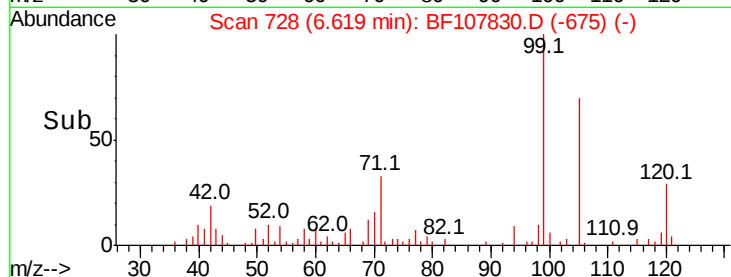
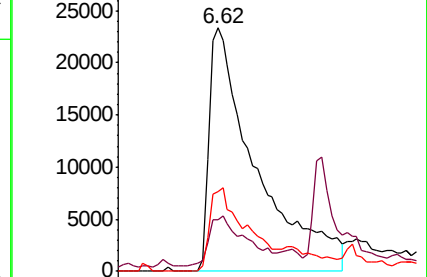
71 32.8 25.4 38.0



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



#9

Benzaldehyde

Concen: 3.383 ng

RT: 6.51 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

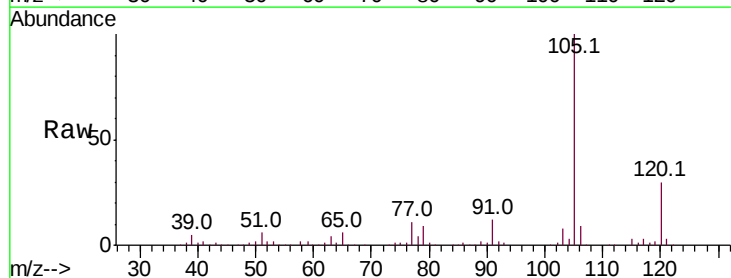
Tgt Ion: 77 Resp: 27590

Ion Ratio Lower Upper

77 100

105 870.9 81.1 121.1#

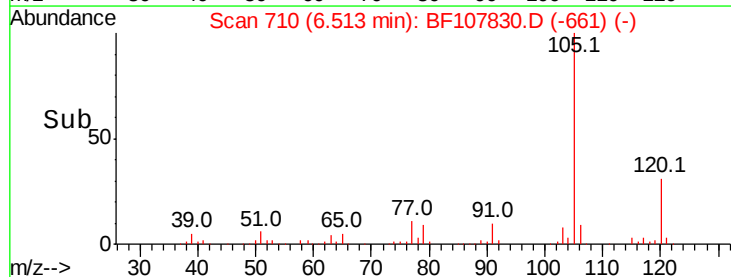
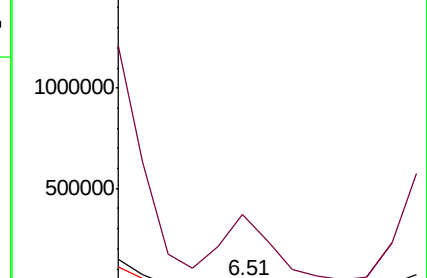
106 81.8 74.5 114.5

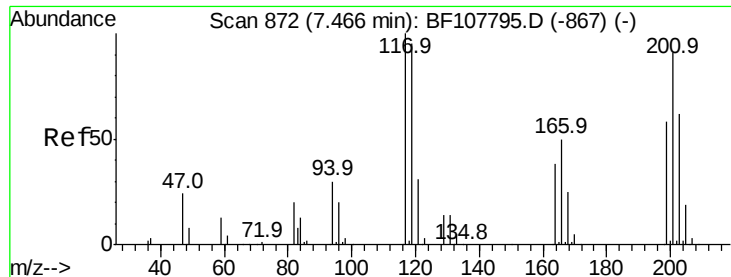


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

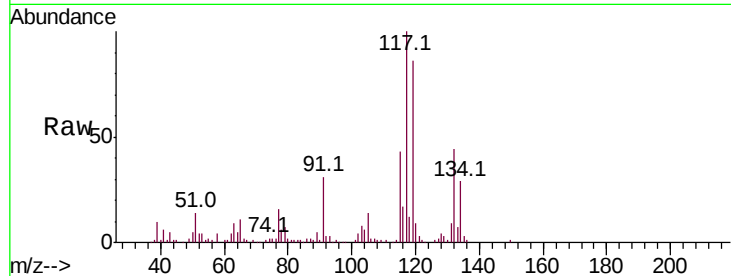




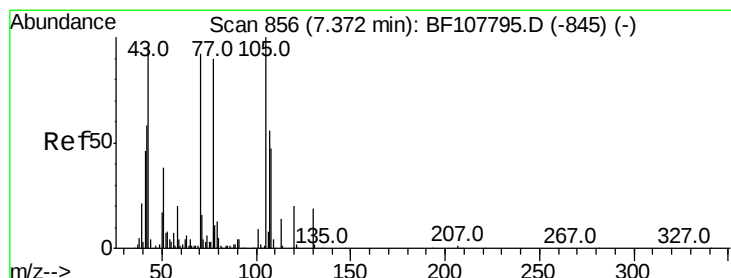
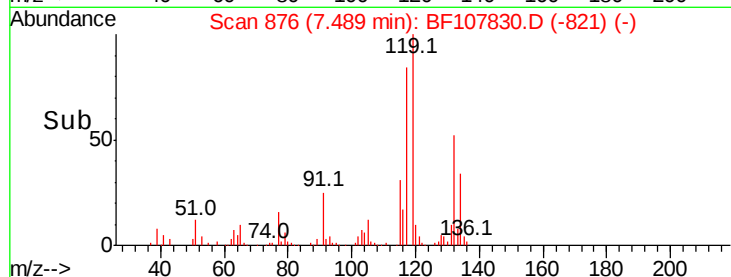
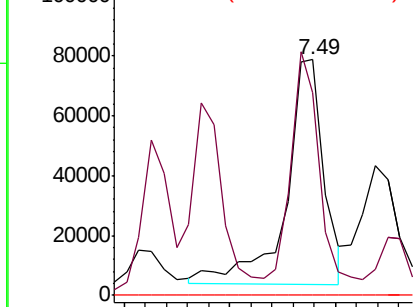
#18
Hexachloroethane
Concen: 17.400 ng
RT: 7.49 min Scan# 876
Delta R.T. 0.02 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:117 Resp: 94076
Ion Ratio Lower Upper
117 100
119 85.9 75.8 113.8
201 0.0 75.7 113.5#

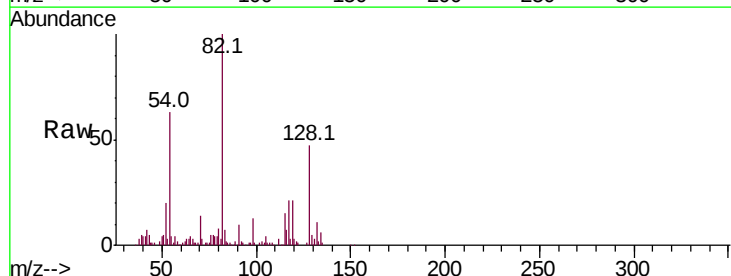


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

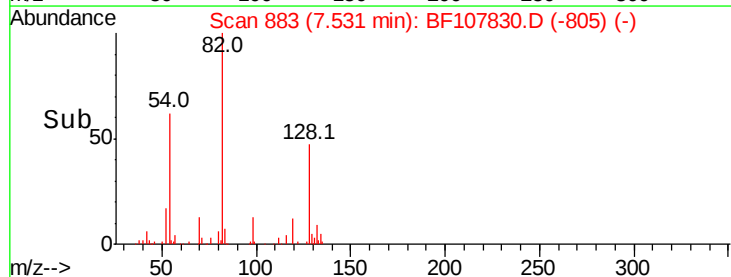
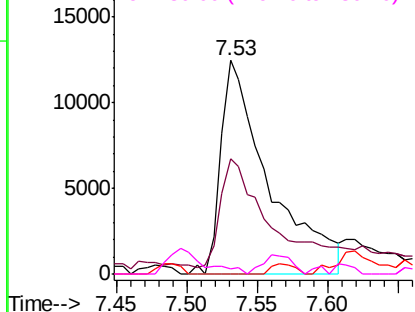


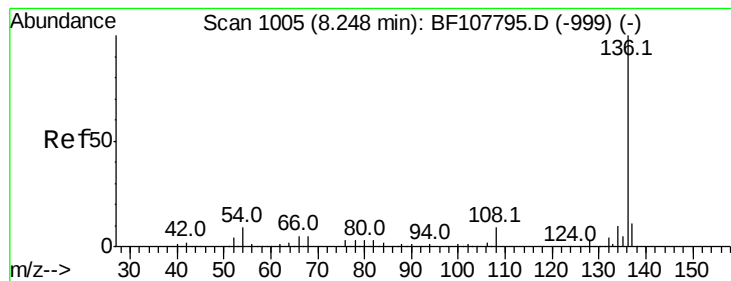
#19
n-Nitroso-di-n-propylamine
Concen: 3.468 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.16 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Tgt Ion: 70 Resp: 29738
Ion Ratio Lower Upper
70 100
42 53.9 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): E
Ion 130.00 (129.70 to 130.70): E

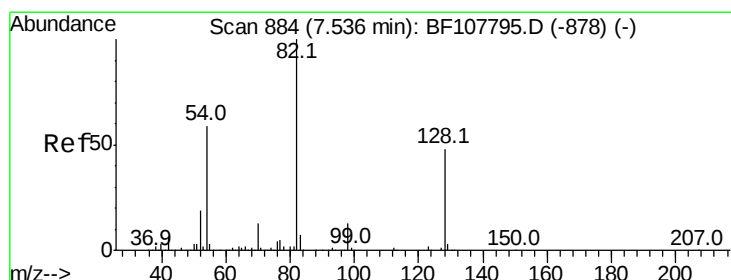
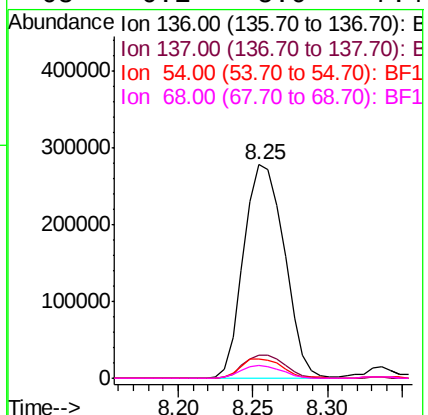
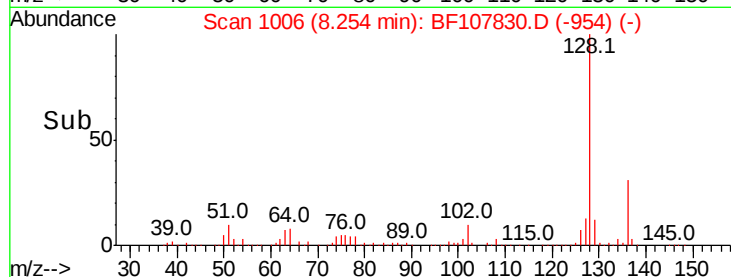
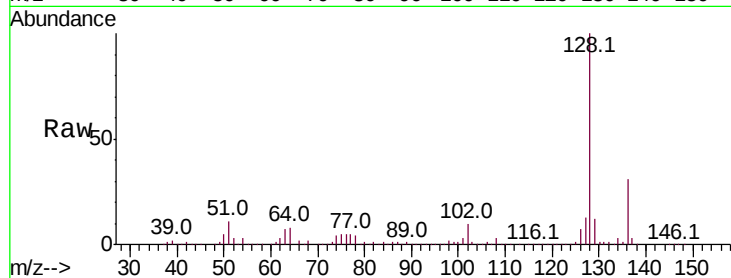




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. 0.01 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

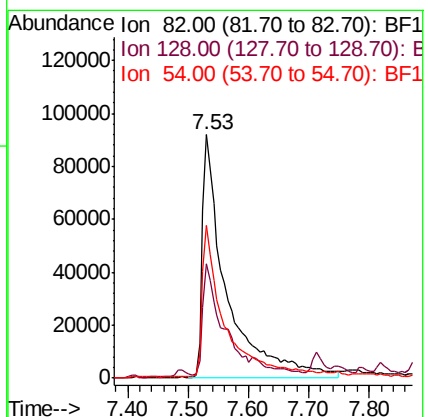
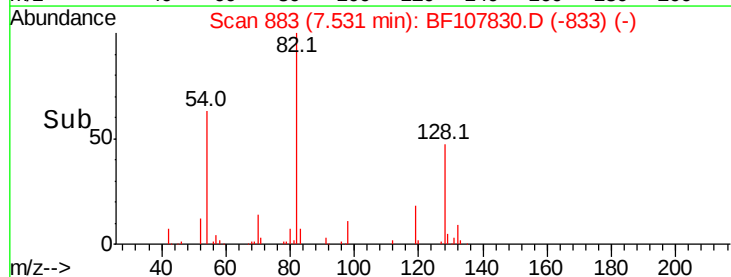
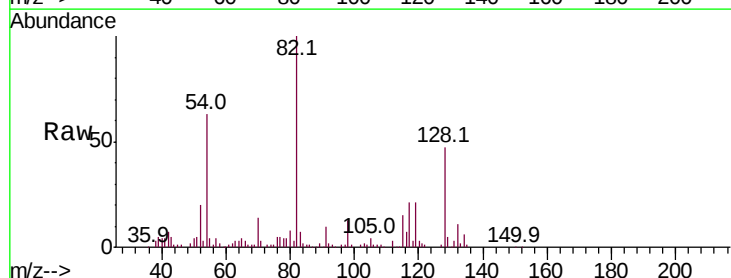
Instrument :
BNA_F
ClientSampleId :

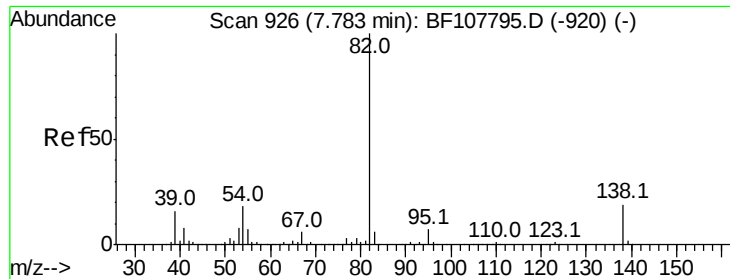
Tot Ion:136	Resp: 527020
Ion Ratio	Lower Upper
136 100	
137 10.9	8.9 13.3
54 8.8	6.6 9.8
68 6.1	5.0 7.4



#23
Nitrobenzene-d5
Concen: 28.175 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Tgt Ion: 82	Resp: 257748
Ion Ratio	Lower Upper
82 100	
128 47.0	36.1 54.1
54 62.6	41.4 62.2#





#25

Isophorone

Concen: 17.164 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.25 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

Instrument :

BNA_F

ClientSampleId :

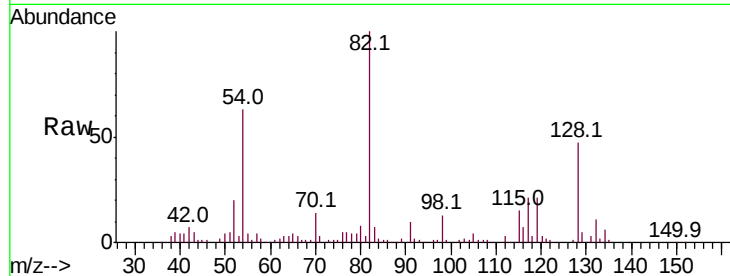
Tot Ion: 82 Resp: 257747

Ion Ratio Lower Upper

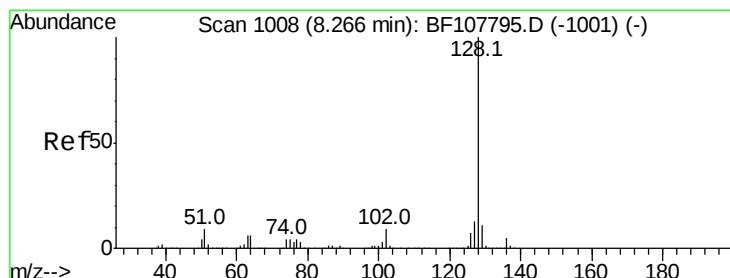
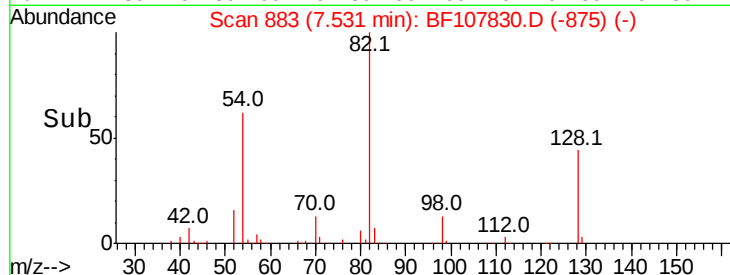
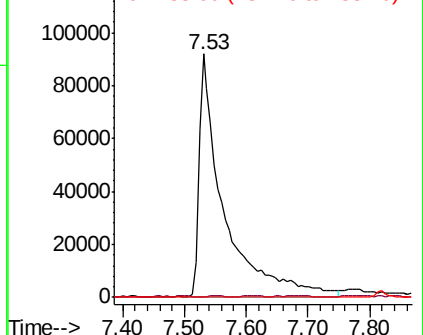
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 436.897 ng

RT: 8.30 min Scan# 1013

Delta R.T. 0.03 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

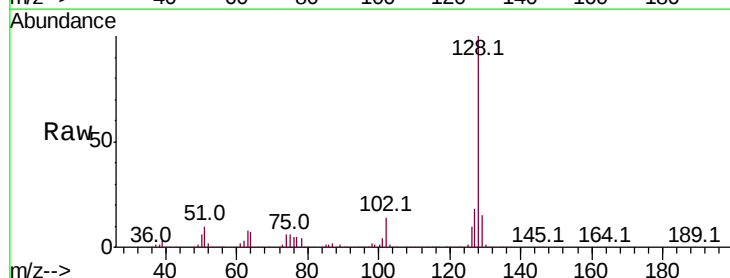
Tgt Ion:128 Resp:10703151

Ion Ratio Lower Upper

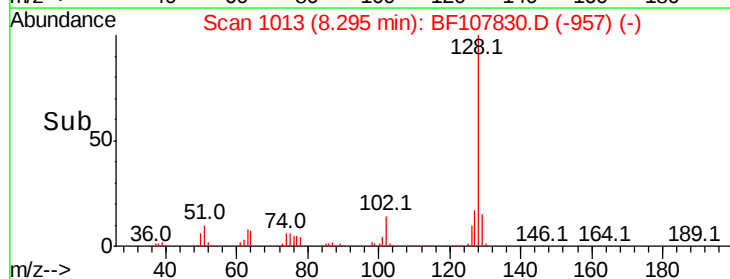
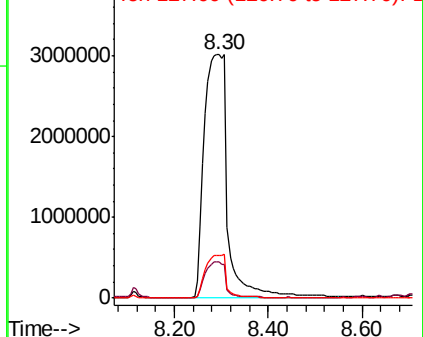
128 100

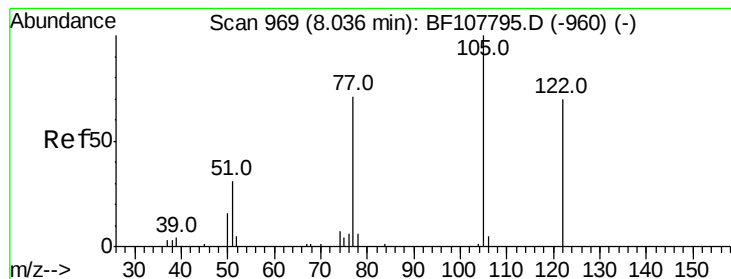
129 14.9 8.8 13.2#

127 17.5 10.9 16.3#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 2.821 ng

RT: 8.05 min Scan# 972

Delta R.T. 0.02 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

Instrument :

BNA_F

ClientSampleId :

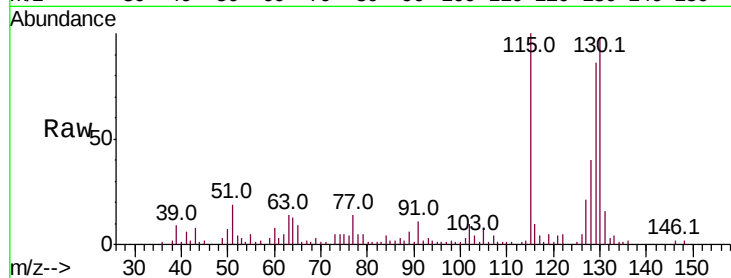
Tot Ion:122 Resp: 5878

Ion Ratio Lower Upper

122 100

105 134.1 101.1 141.1

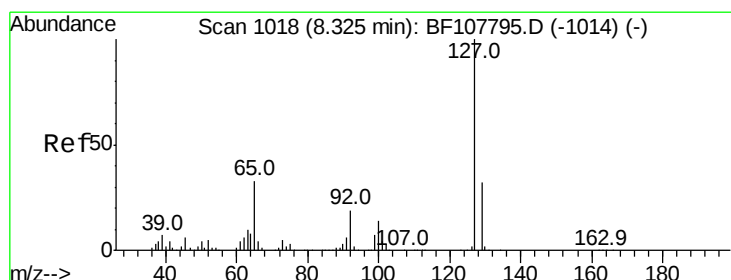
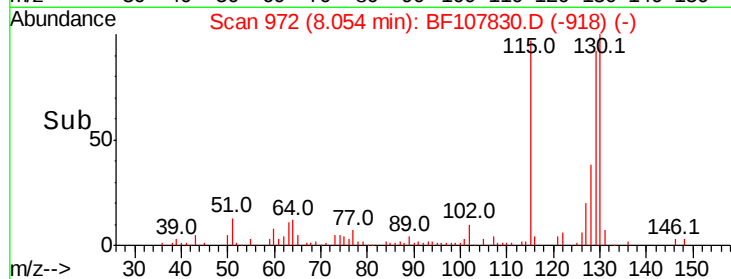
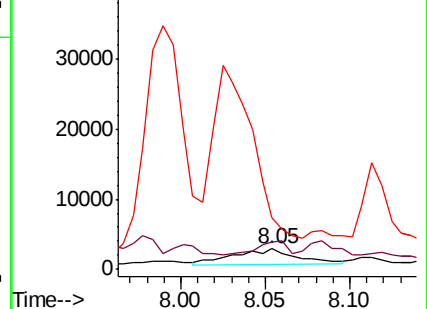
77 253.1 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 163.314 ng

RT: 8.31 min Scan# 1015

Delta R.T. -0.02 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

Tgt Ion:127 Resp: 1708937

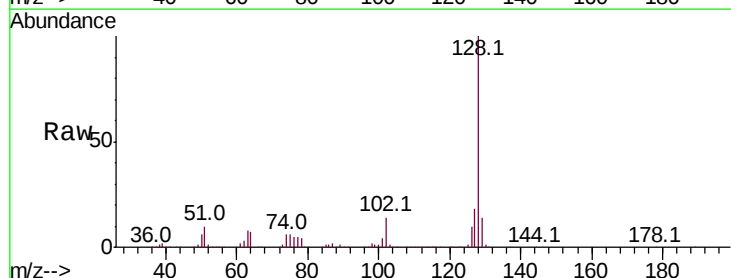
Ion Ratio Lower Upper

127 100

129 77.4 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

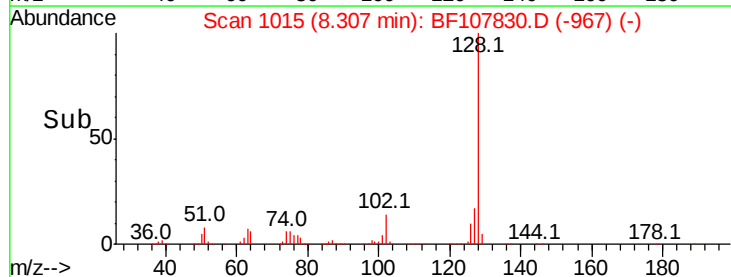
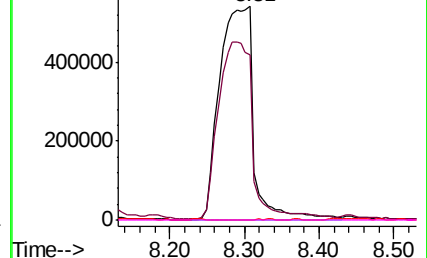


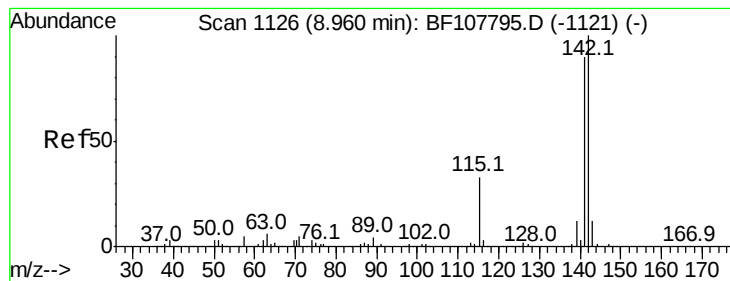
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1





#37

2-Methylnaphthalene

Concen: 107.049 ng

RT: 8.96 min Scan# 1126

Delta R.T. 0.00 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

Instrument :

BNA_F

ClientSampleId :

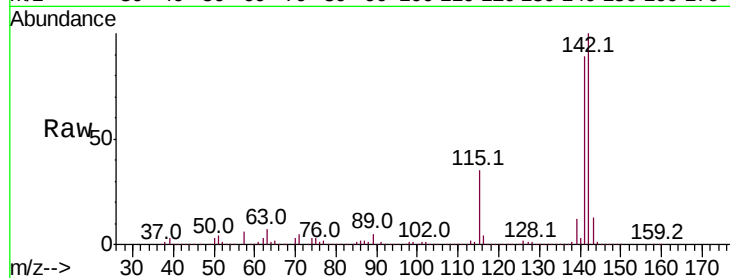
Tot Ion:142 Resp: 1647322

Ion Ratio Lower Upper

142 100

141 88.9 70.8 106.2

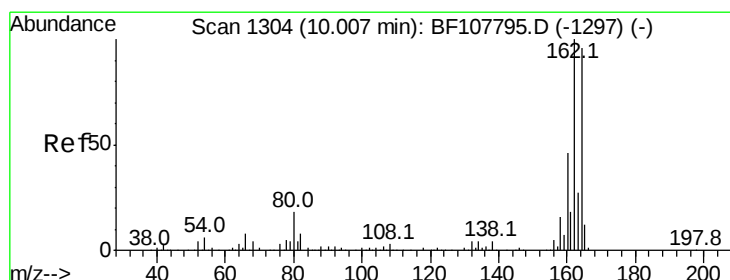
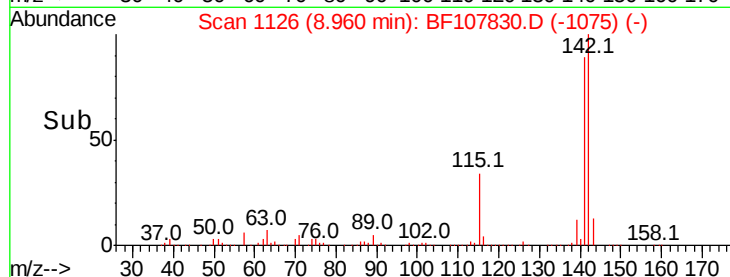
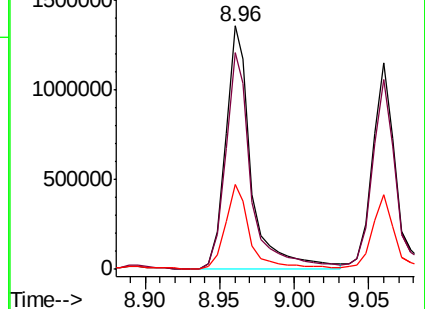
115 34.8 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

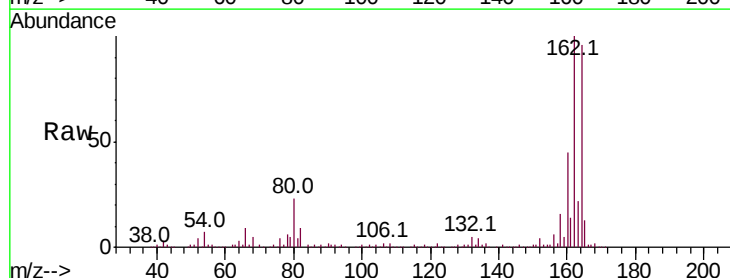
Tgt Ion:164 Resp: 284409

Ion Ratio Lower Upper

164 100

162 104.0 86.1 129.1

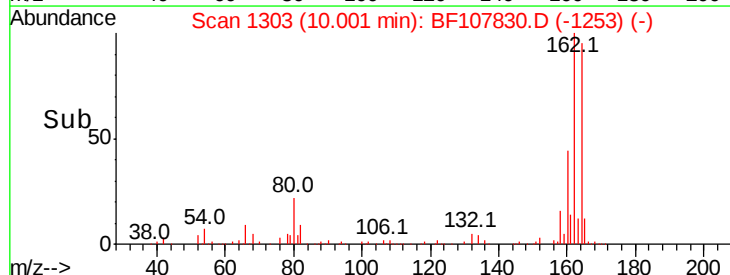
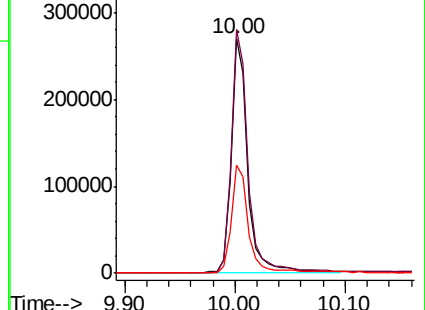
160 46.3 38.3 57.5

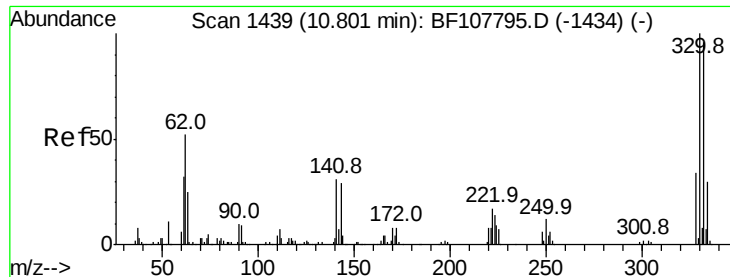


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

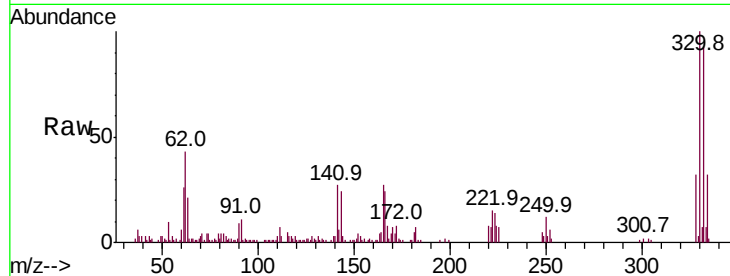




#41
 2,4,6-Tribromophenol
 Concen: 23.326 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107830.D
 Acq: 31 Jul 2018 5:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	32.4	29.9	44.9

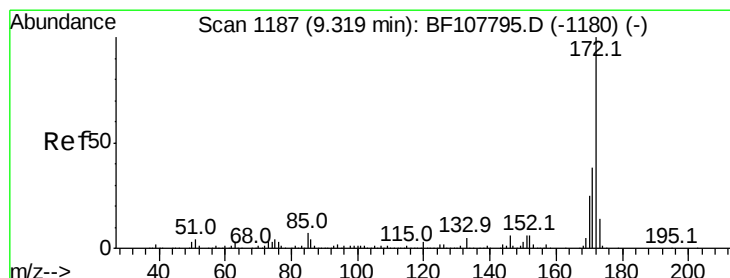
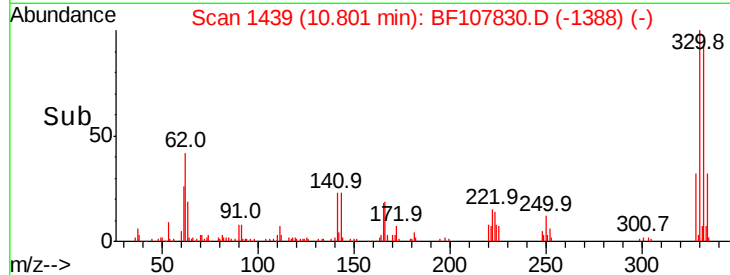
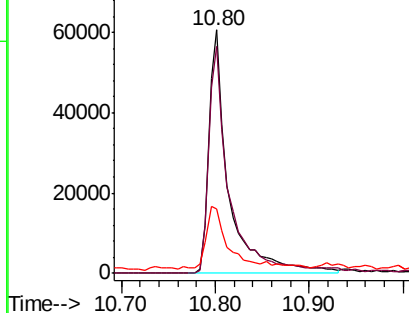


Abundance

Ion 329.80 (329.50 to 330.50): E

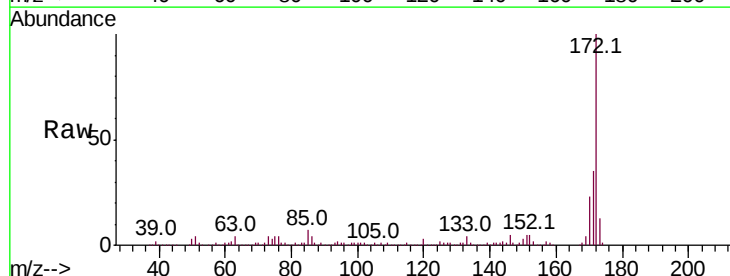
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 26.048 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107830.D
 Acq: 31 Jul 2018 5:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.1	19.6	29.4

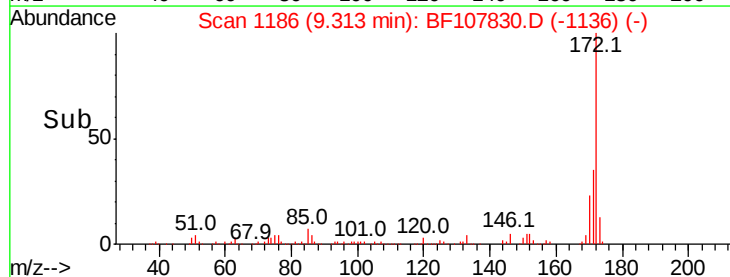
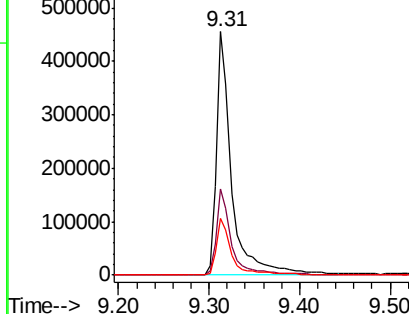


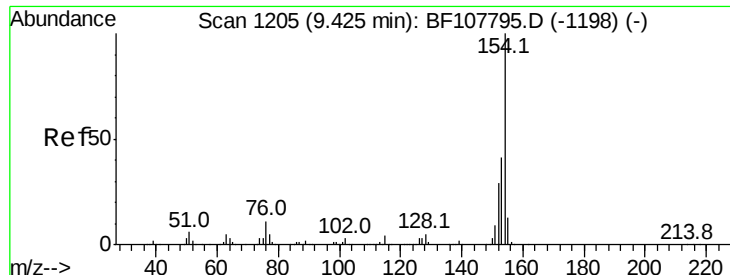
Abundance

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

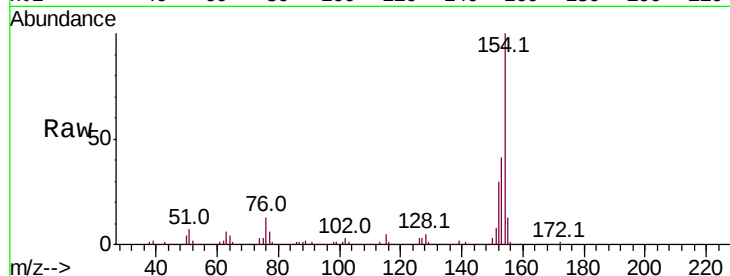




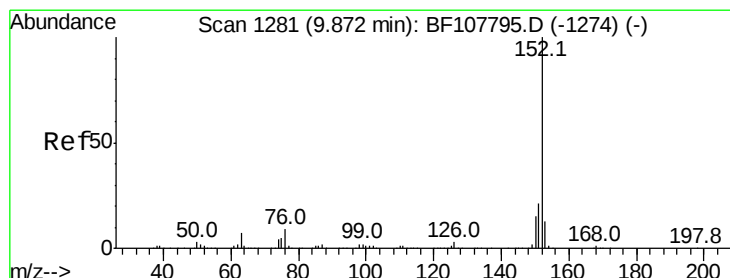
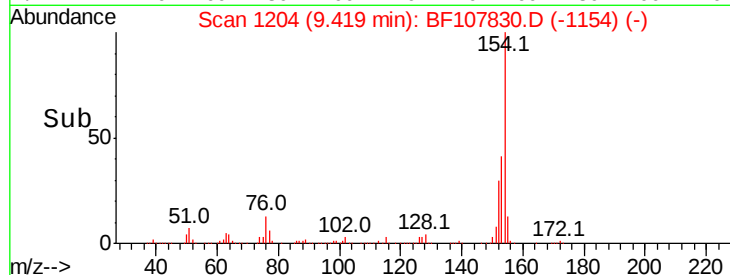
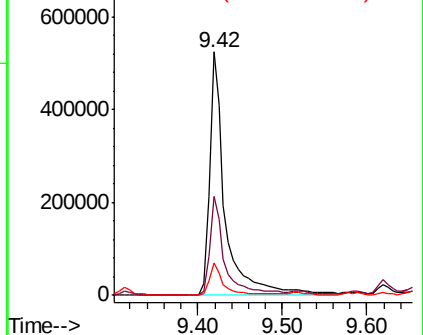
#45
1,1'-Biphenyl
Concen: 26.217 ng
RT: 9.42 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:154 Resp: 678572
Ion Ratio Lower Upper
154 100
153 40.6 21.3 61.3
76 13.1 0.0 34.0

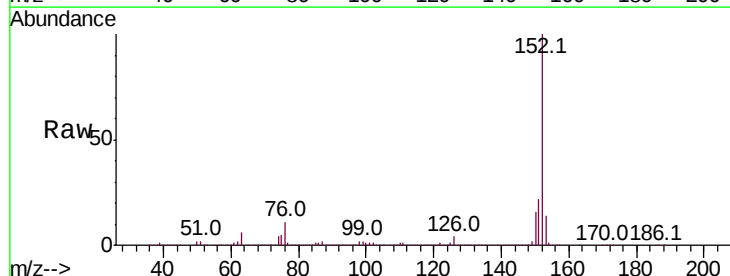


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

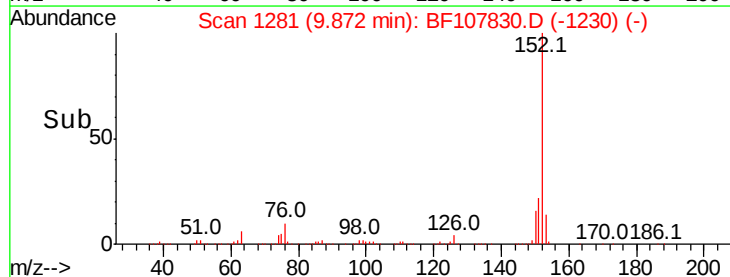
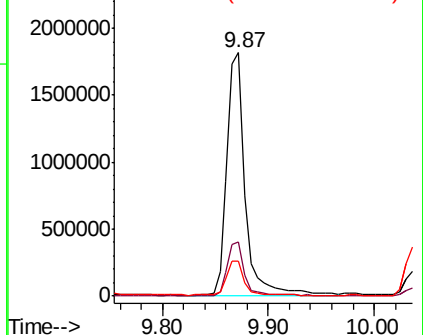


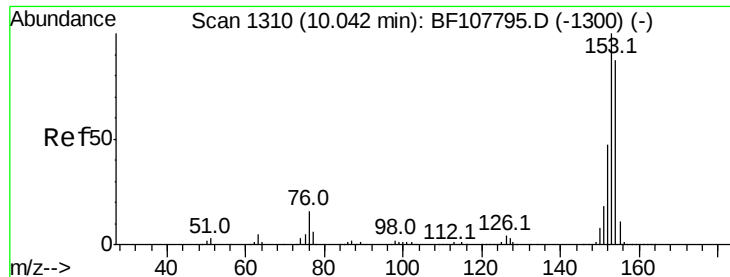
#48
Acenaphthylene
Concen: 72.755 ng
RT: 9.87 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Tgt Ion:152 Resp: 2201491
Ion Ratio Lower Upper
152 100
151 22.1 16.3 24.5
153 14.3 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 17.898 ng

RT: 10.04 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

Instrument :

BNA_F

ClientSampled :

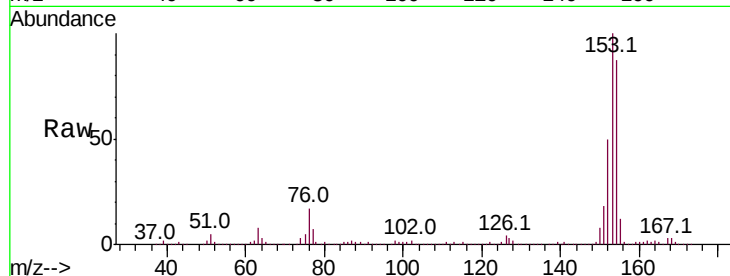
Tot Ion:154 Resp: 314594

Ion Ratio Lower Upper

154 100

153 114.6 91.2 136.8

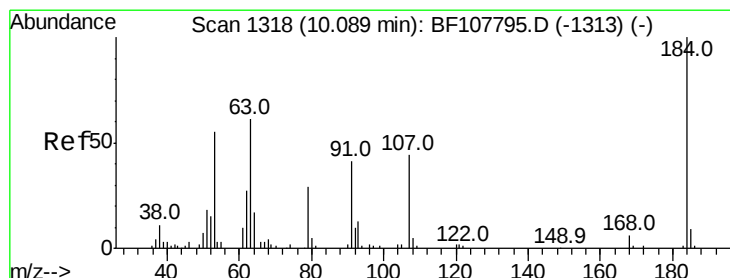
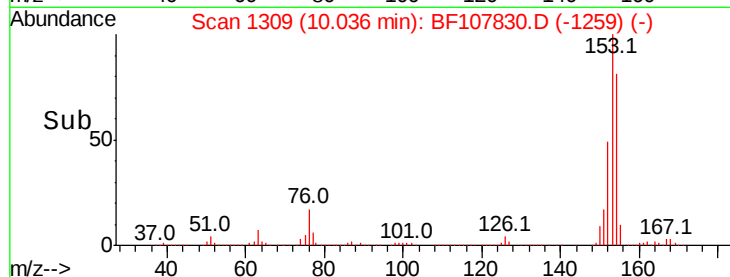
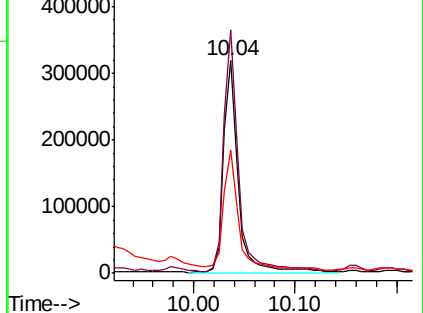
152 57.8 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 8.496 ng

RT: 10.30 min Scan# 1353

Delta R.T. 0.21 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

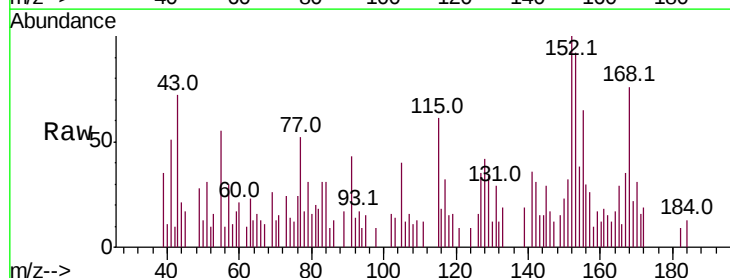
Tgt Ion:184 Resp: 151

Ion Ratio Lower Upper

184 100

63 177.9 54.2 81.2#

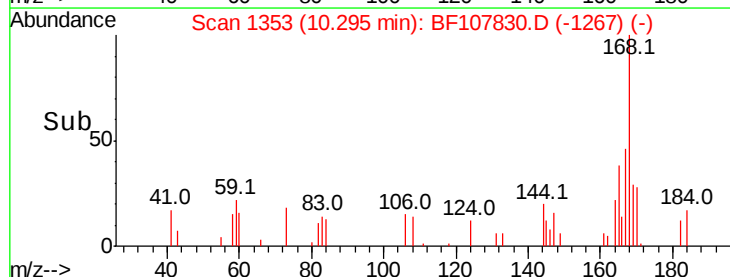
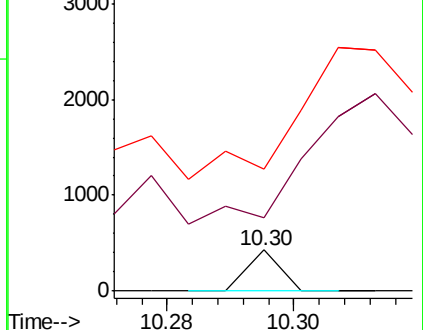
154 297.7 184.0 276.0#

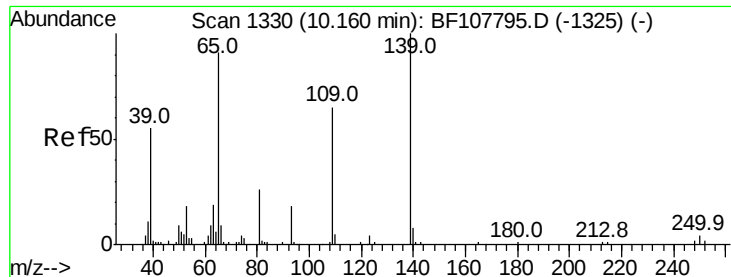


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

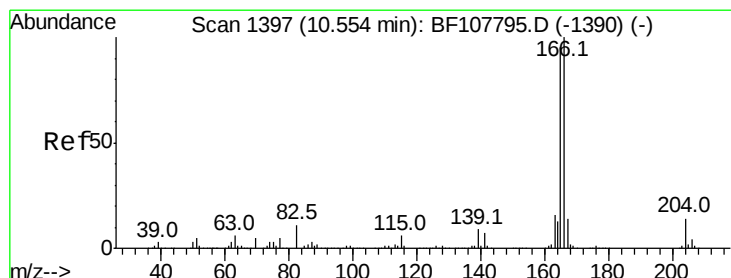
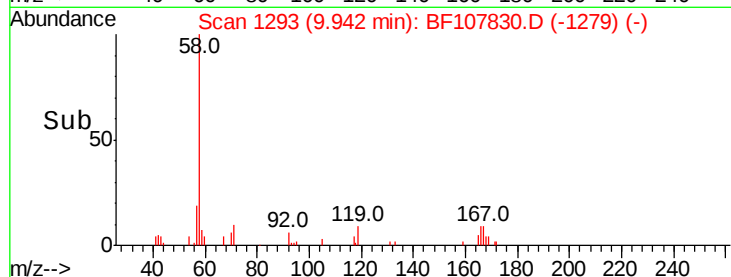
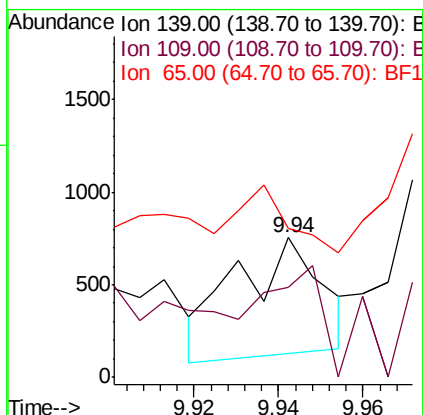
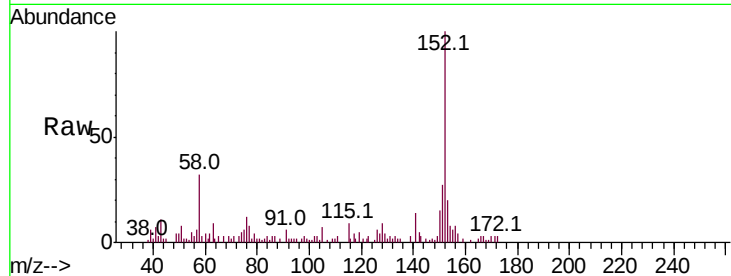




#55
4-Nitrophenol
Concen: 9.601 ng
RT: 9.94 min Scan# 1293
Delta R.T. -0.22 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

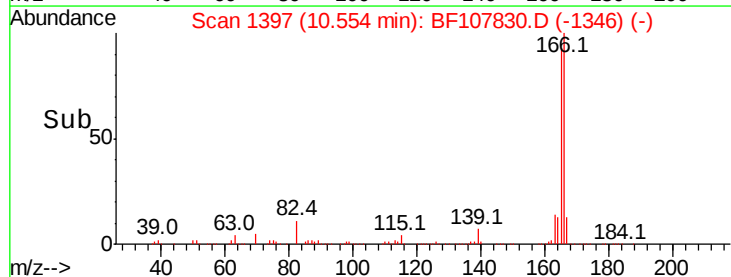
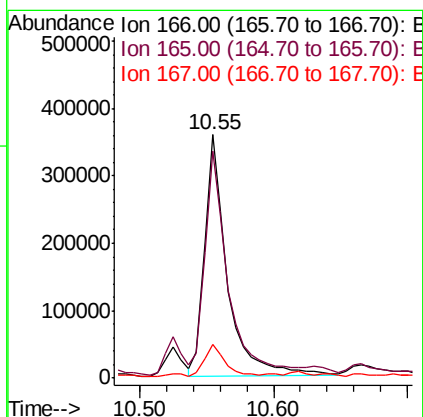
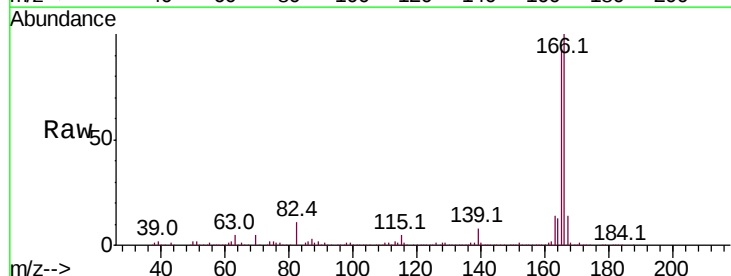
Instrument :
BNA_F
ClientSampled :

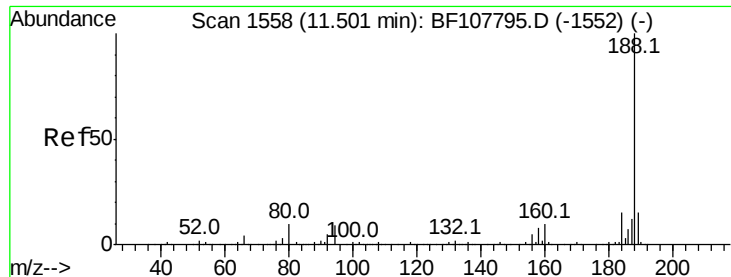
Tot Ion:139 Resp: 898
Ion Ratio Lower Upper
139 100
109 64.5 48.4 88.4
65 106.6 72.6 112.6



#57
Fluorene
Concen: 20.305 ng
RT: 10.55 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Tgt Ion:166 Resp: 428716
Ion Ratio Lower Upper
166 100
165 93.0 79.8 119.8
167 13.7 10.6 16.0

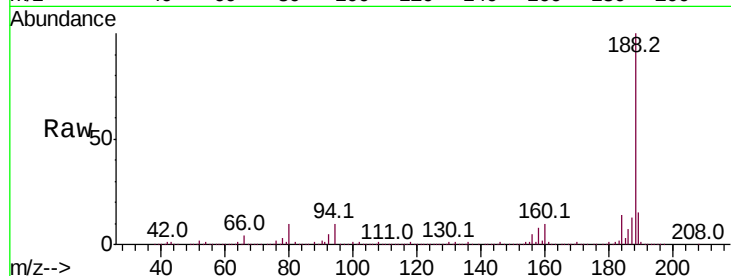




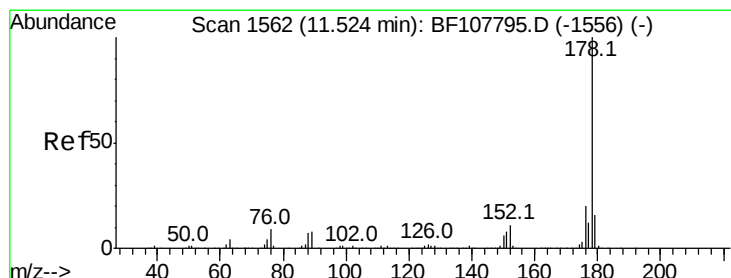
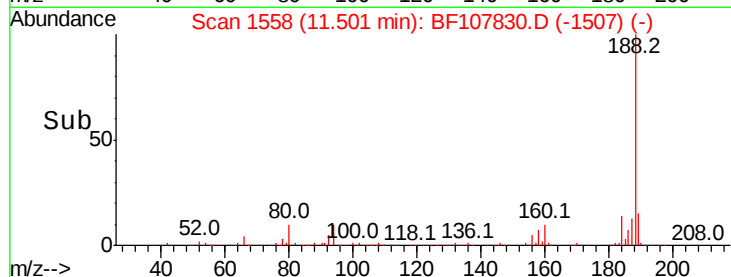
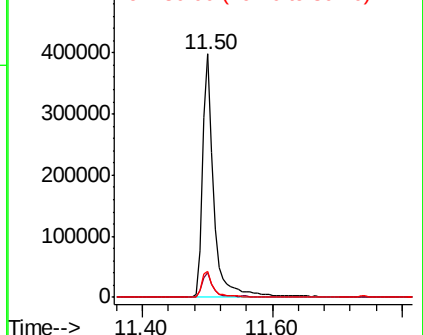
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 480724
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 10.5 9.2 13.8

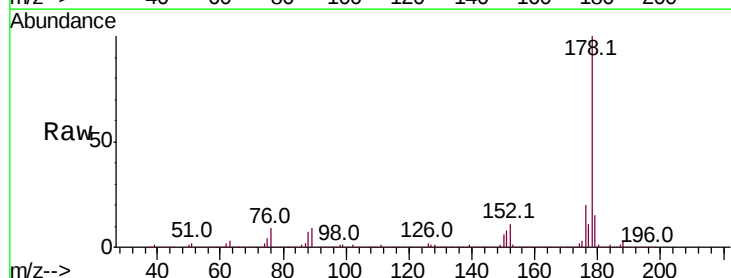


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

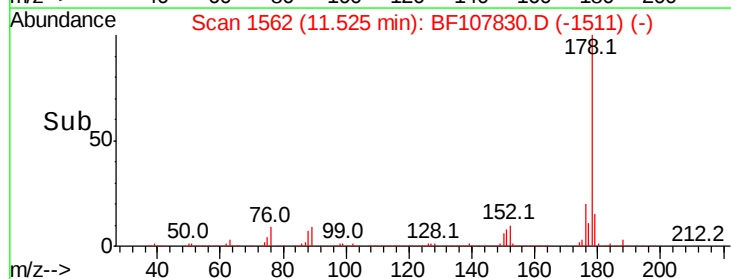
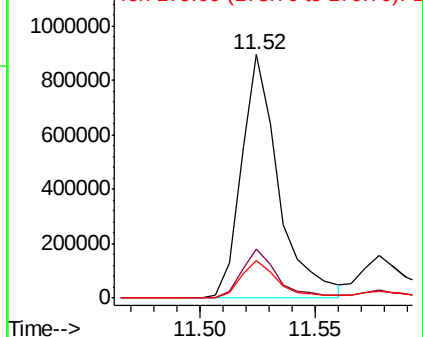


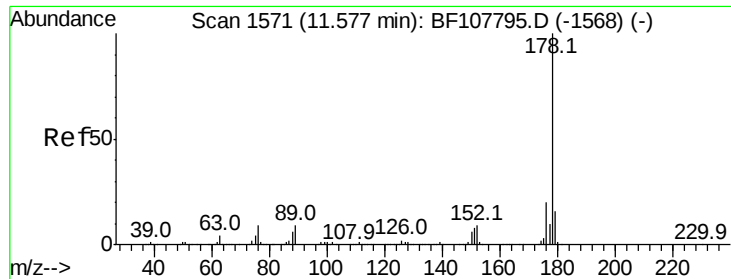
#70
Phenanthrene
Concen: 44.045 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Tgt Ion:178 Resp: 1005384
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 15.4 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

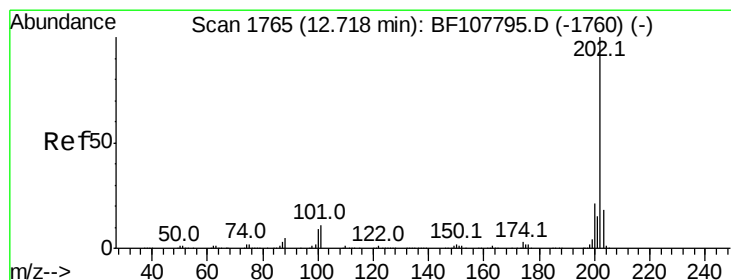
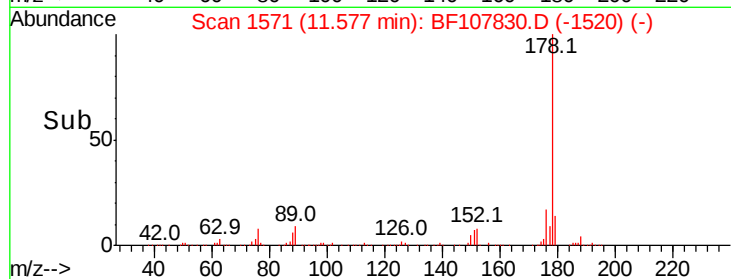
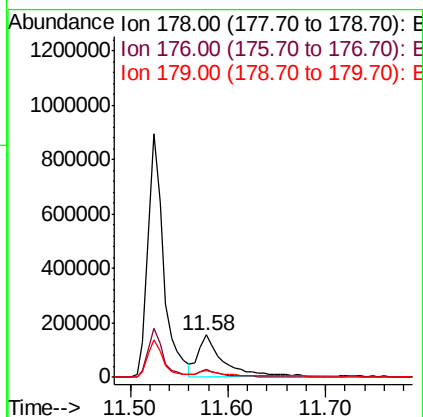
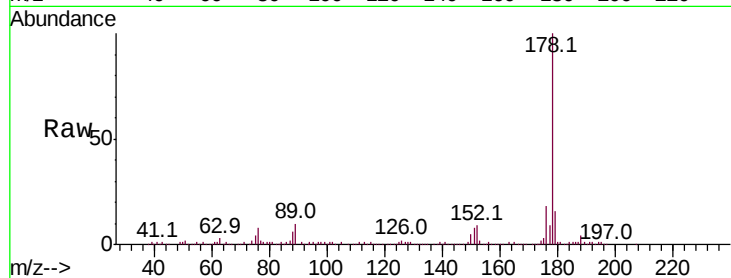




#71
 Anthracene
 Concen: 10.404 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF107830.D
 Acq: 31 Jul 2018 5:18

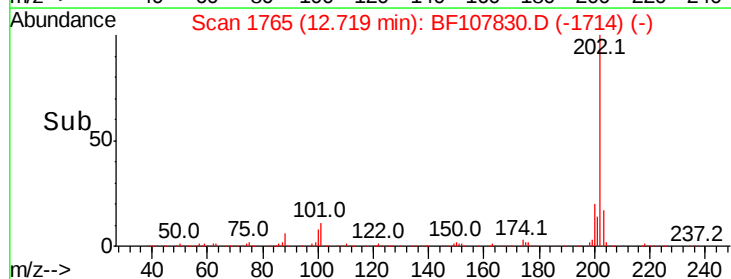
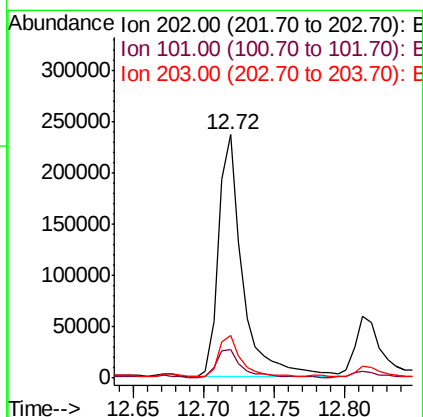
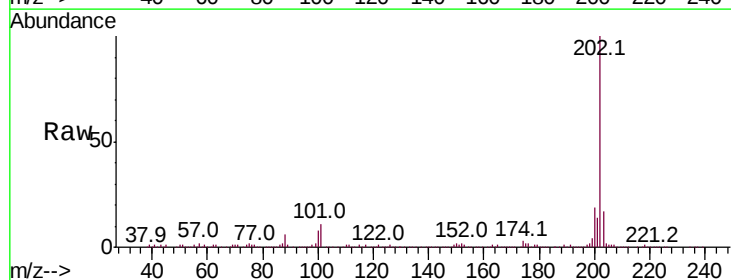
Instrument :
 BNA_F
 ClientSampled :

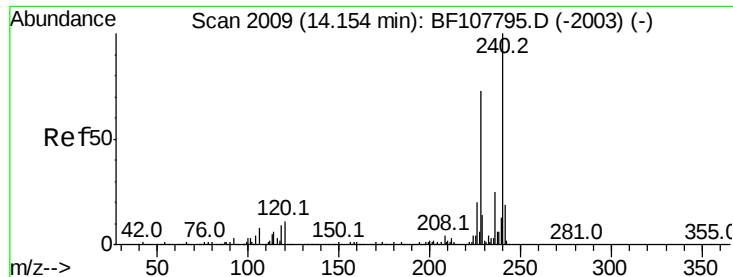
Tot Ion:178 Resp: 273910
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.4 23.2
 179 16.4 12.6 19.0



#74
 Fluoranthene
 Concen: 10.476 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: BF107830.D
 Acq: 31 Jul 2018 5:18

Tgt Ion:202 Resp: 280921
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 34.1
 203 17.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

Instrument :

BNA_F

ClientSampleId :

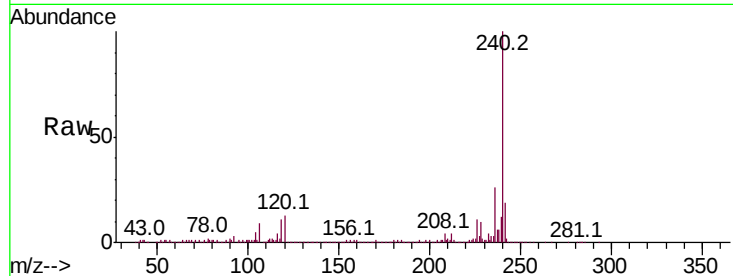
Tot Ion:240 Resp: 459422

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

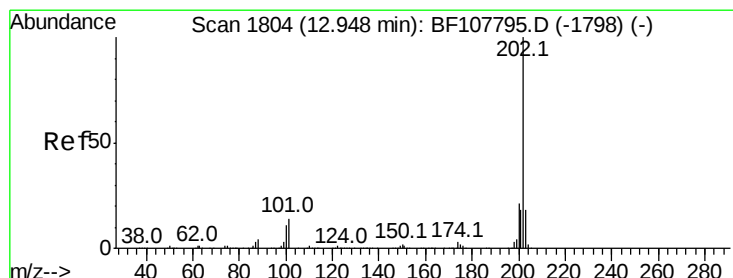
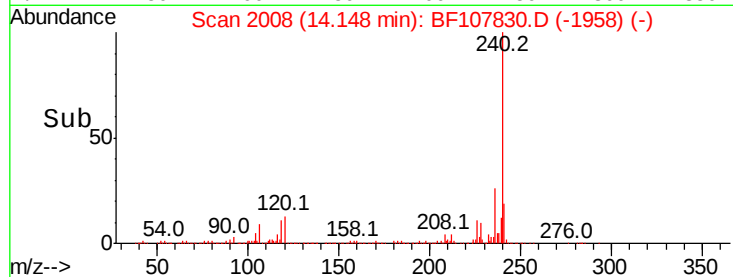
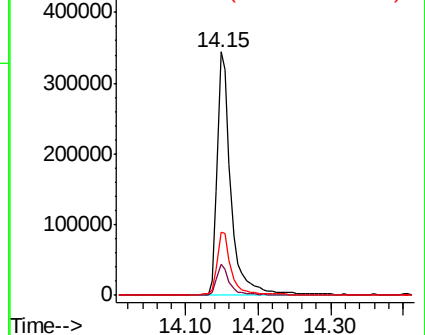
236 25.9 20.7 31.1



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: 11.526 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

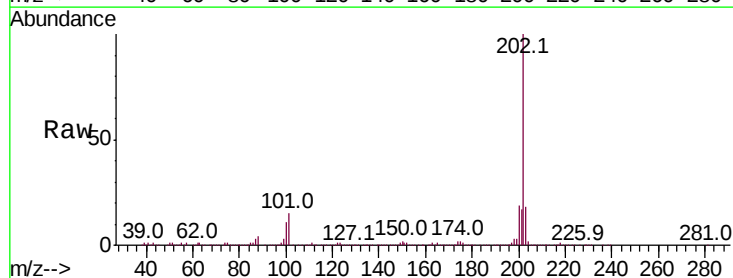
Tgt Ion:202 Resp: 381316

Ion Ratio Lower Upper

202 100

200 19.4 17.4 26.2

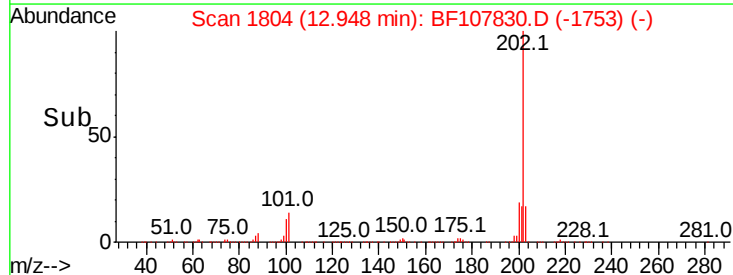
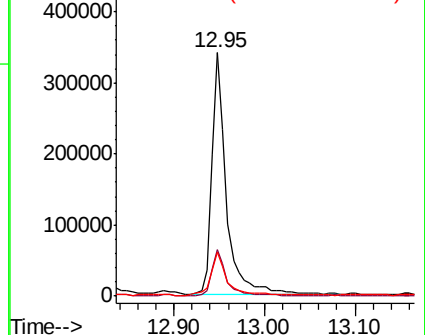
203 18.3 14.3 21.5

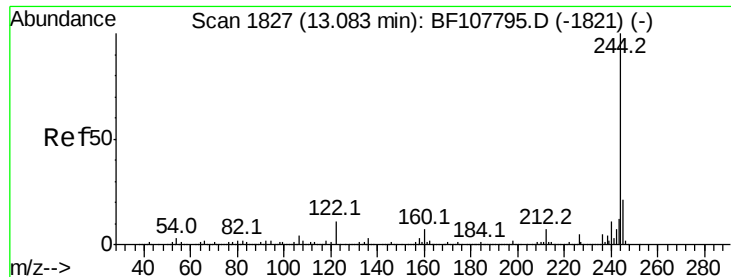


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

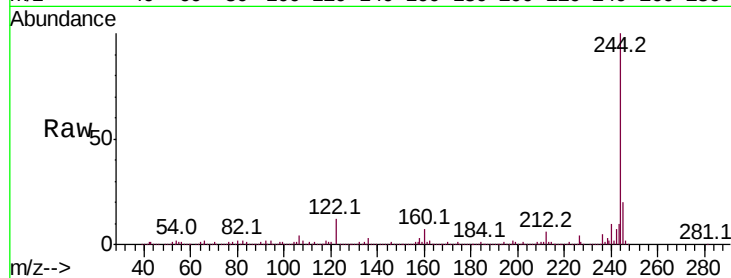




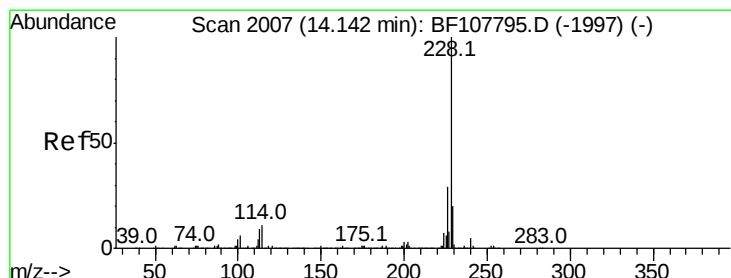
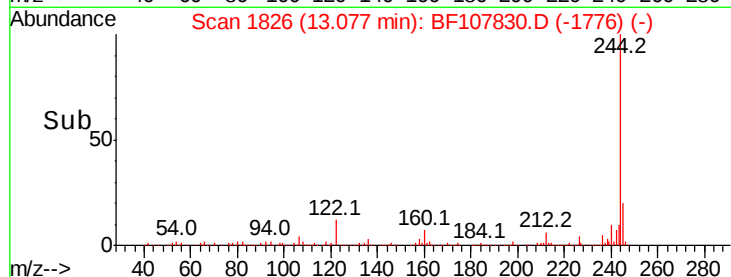
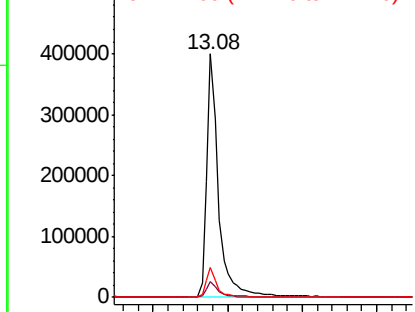
#78
 Terphenyl-d14
 Concen: 21.043 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF107830.D
 Acq: 31 Jul 2018 5:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 445828
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 12.1 11.0 16.4

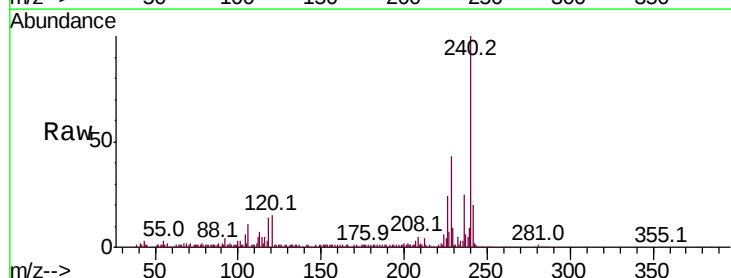


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

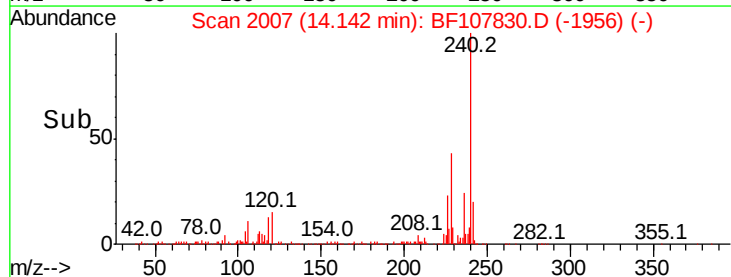
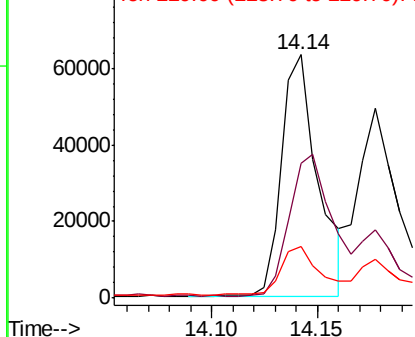


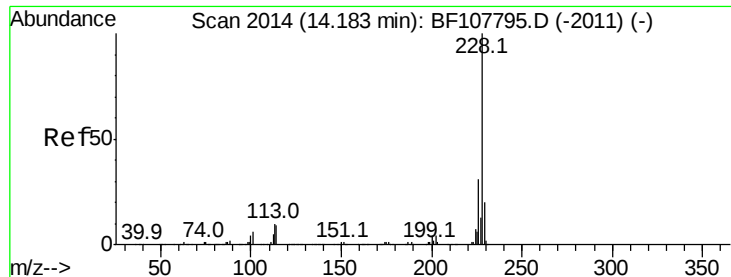
#80
 Benzo(a)anthracene
 Concen: 2.913 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: BF107830.D
 Acq: 31 Jul 2018 5:18

Tgt Ion:228 Resp: 75822
 Ion Ratio Lower Upper
 228 100
 226 55.2 22.6 33.8#
 229 21.3 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

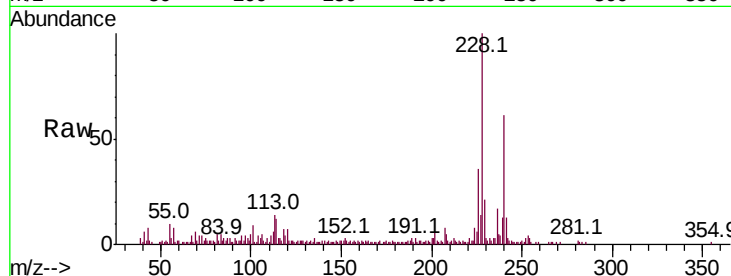




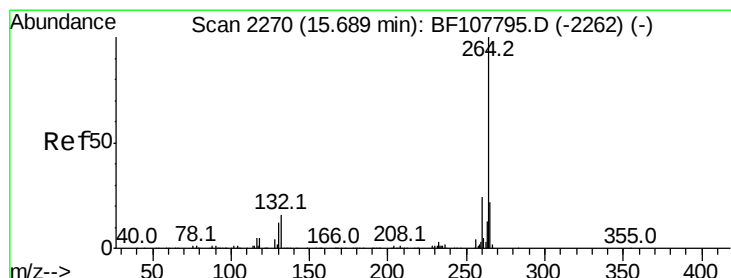
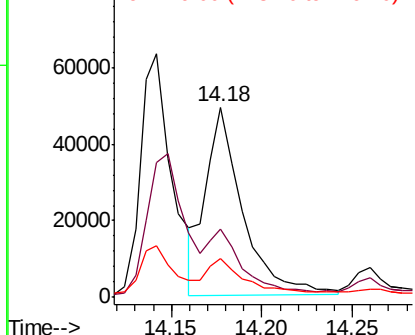
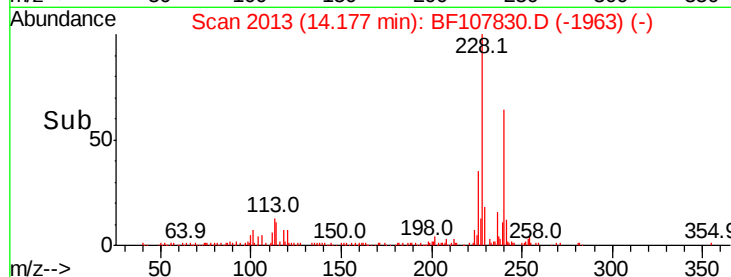
#82
Chrysene
Concen: 2.495 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 70049
Ion Ratio Lower Upper
228 100
226 36.1 25.0 37.6
229 20.7 16.2 24.4

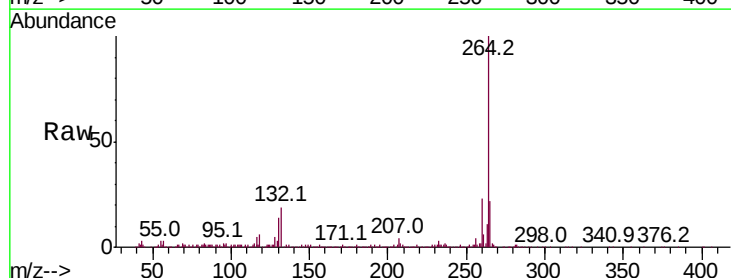


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

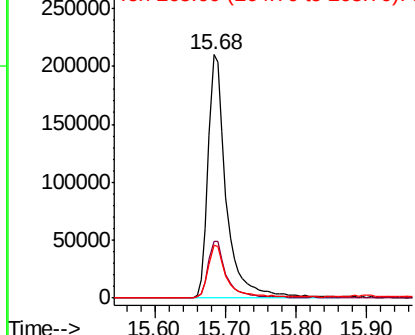
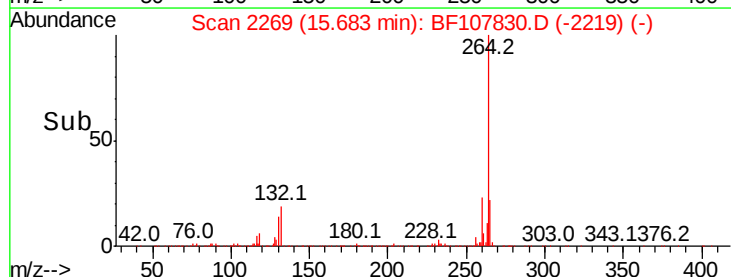


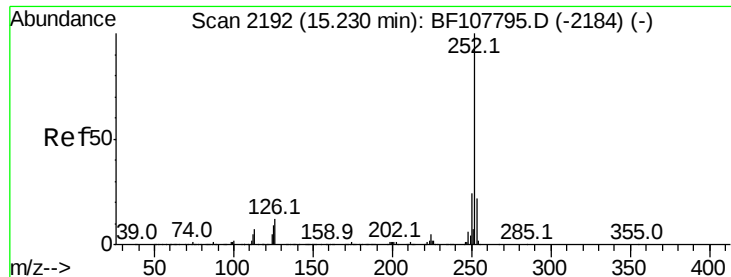
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Tgt Ion:264 Resp: 380556
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 21.8 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: 3.476 ng

RT: 15.23 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

Instrument :

BNA_F

ClientSampleId :

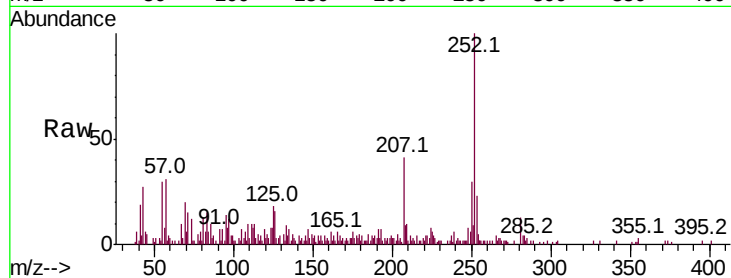
Tot Ion:252 Resp: 65232

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.6

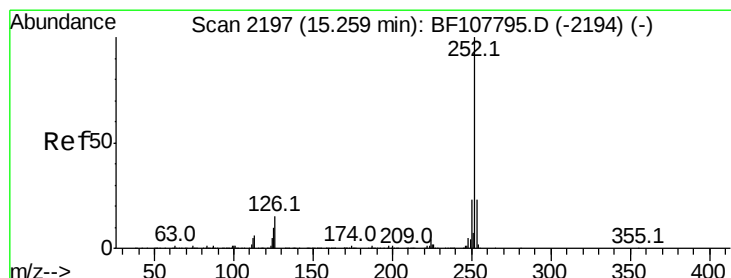
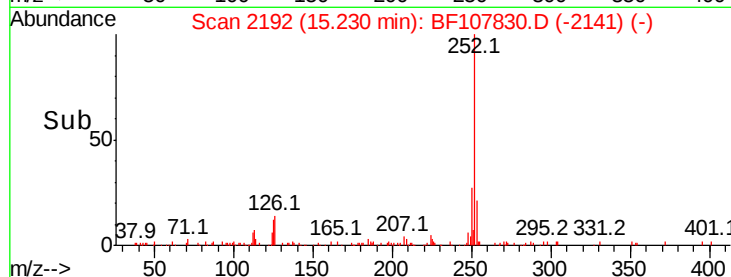
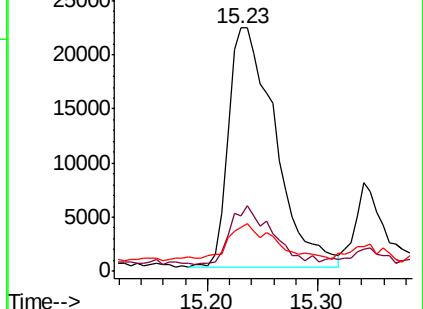
125 17.8 9.0 13.6#



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: 2.831 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.03 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

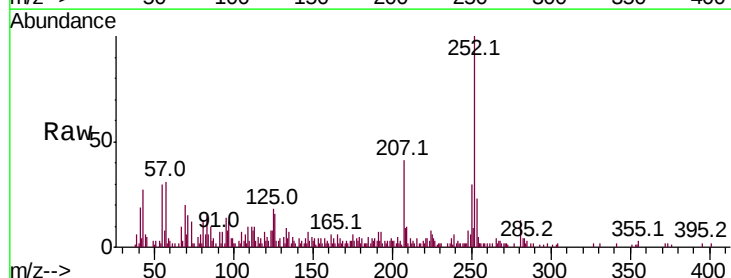
Tgt Ion:252 Resp: 65232

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

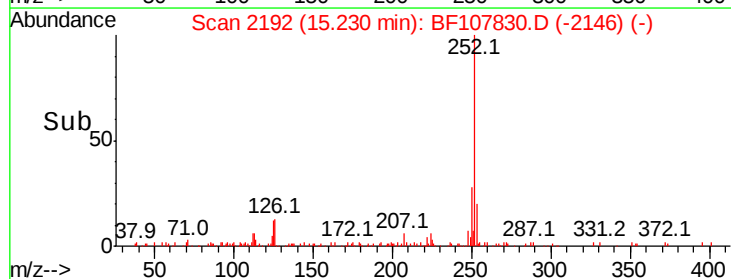
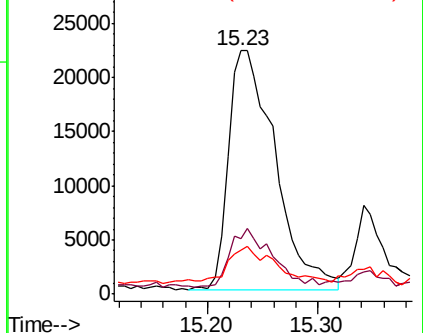
125 17.8 10.2 15.2#

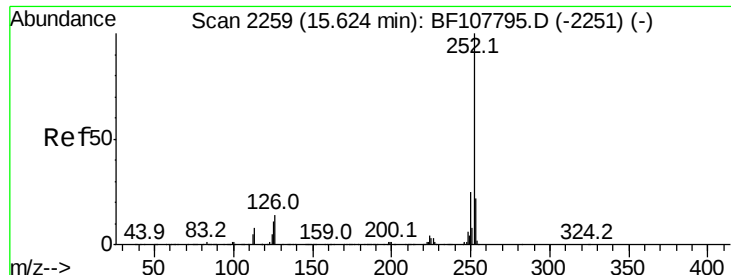


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.853 ng

RT: 15.62 min Scan# 2259

Delta R.T. 0.00 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

Instrument :

BNA_F

ClientSampleId :

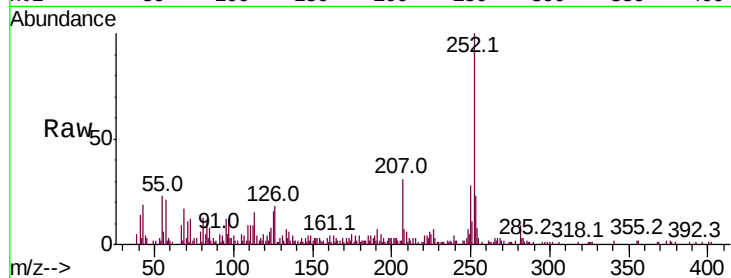
Tot Ion:252 Resp: 55282

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

125 15.9 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

