

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
 Data File : BF108896.D
 Acq On : 10 Sep 2018 16:43
 Operator : JU/SJ
 Sample : J4777-05 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 10 18:51:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	210535	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	770312	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	327166	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	522365	20.00	ng	0.00
75) Chrysene-d12	13.88	240	452225	20.00	ng	0.02
86) Perylene-d12	15.29	264	368955	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	579214	45.58	ng	0.00
7) Phenol-d6	6.37	99	737849	45.12	ng	0.00
23) Nitrobenzene-d5	7.30	82	437767	35.56	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	131084	41.97	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	796248	41.52	ng	0.00
78) Terphenyl-d14	12.83	244	640554	33.03	ng	0.00

Target Compounds

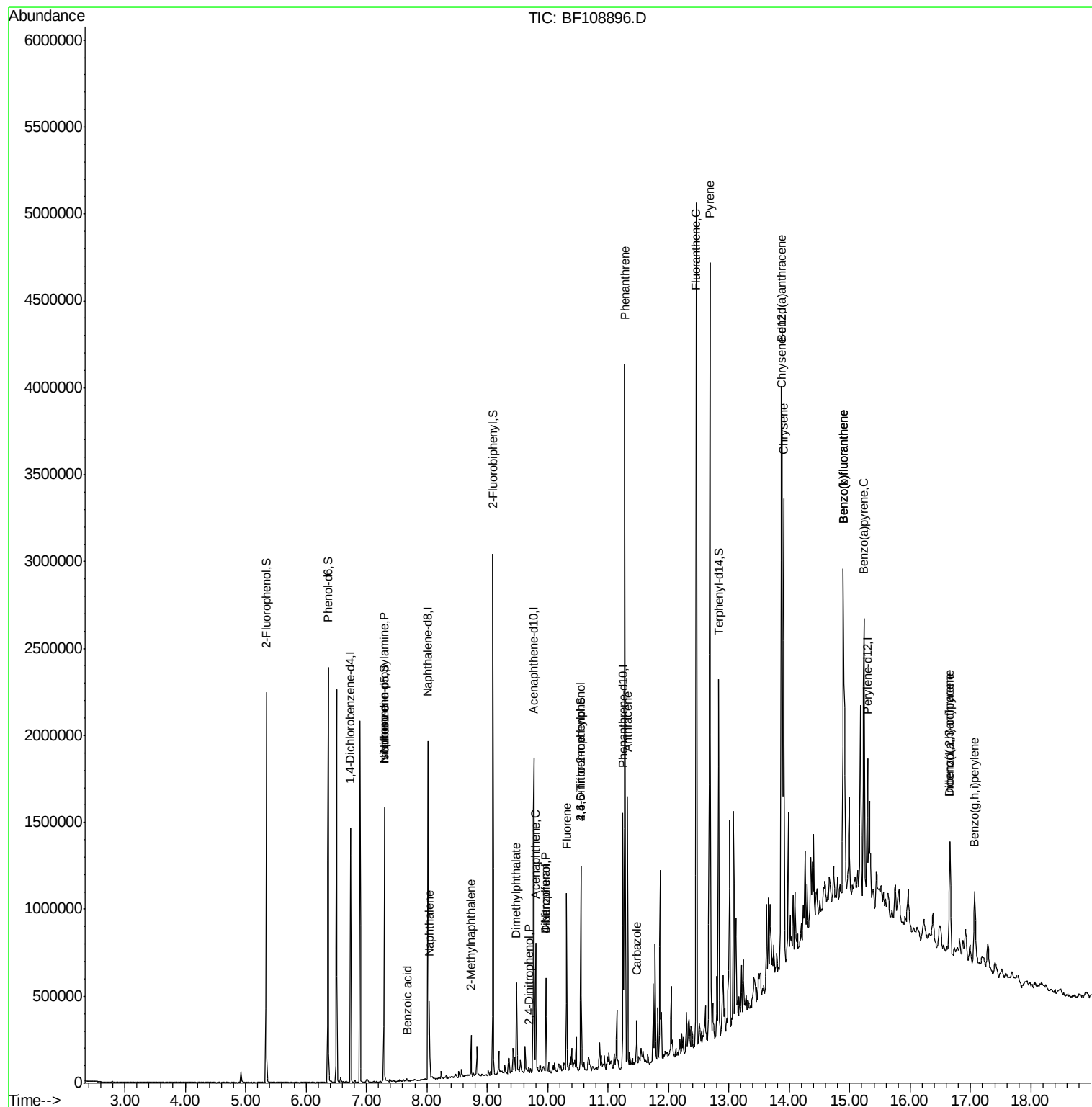
						Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	58307	5.130	ng	# 77
25) Isophorone	7.30	82	435238	17.727	ng	# 64
31) Naphthalene	8.04	128	169904	4.903	ng	99
32) Benzoic acid	7.68	122	120	4.035	ng	# 37
37) 2-Methylnaphthalene	8.73	142	53854	2.352	ng	99
49) Dimethylphthalate	9.48	163	190014	8.304	ng	# 99
51) Acenaphthene	9.80	154	137862	7.337	ng	100
53) 2,4-Dinitrophenol	9.70	184	166	9.390	ng	# 1
54) Dibenzofuran	9.97	168	175014	6.390	ng	99
55) 4-Nitrophenol	9.97	139	63372	16.332	ng	# 11
57) Fluorene	10.31	166	254161	14.460	ng	99
64) 4,6-Dinitro-2-methylphenol	10.55	198	238	6.968	ng	# 1
70) Phenanthrene	11.28	178	1480826	59.363	ng	98
71) Anthracene	11.32	178	541027	22.653	ng	99
72) Carbazole	11.47	167	95239	3.786	ng	98
74) Fluoranthene	12.46	202	2125873	86.074	ng	99
77) Pyrene	12.69	202	1871237	53.774	ng	97
80) Benzo(a)anthracene	13.87	228	1188224	40.993	ng	97
82) Chrysene	13.91	228	973273	34.685	ng	97
85) Indeno(1,2,3-cd)pyrene	16.66	276	408762	16.460	ng	# 92
87) Benzo(b)fluoranthene	14.89	252	1540093	76.766	ng	95
88) Benzo(k)fluoranthene	14.89	252	1540093	83.360	ng	97
89) Benzo(a)pyrene	15.24	252	775172	42.822	ng	98
90) Dibenz(a,h)anthracene	16.67	278	102946	6.454	ng	93
91) Benzo(g,h,i)perylene	17.07	276	358239	22.431	ng	93

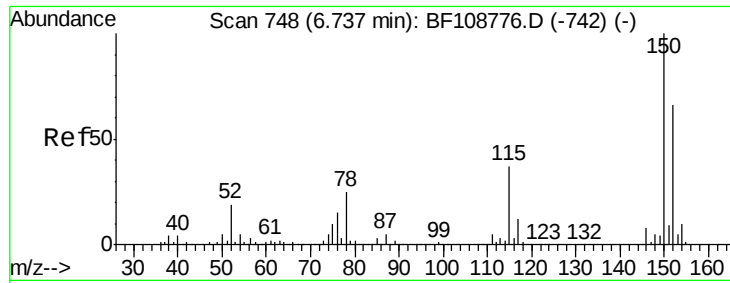
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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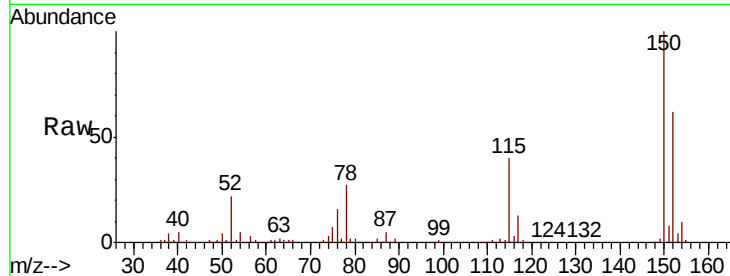


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF108896.D
 Acq: 10 Sep 2018 16:43

Instrument :
 BNA_E
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.6	186.8
115	63.8	50.1	75.1

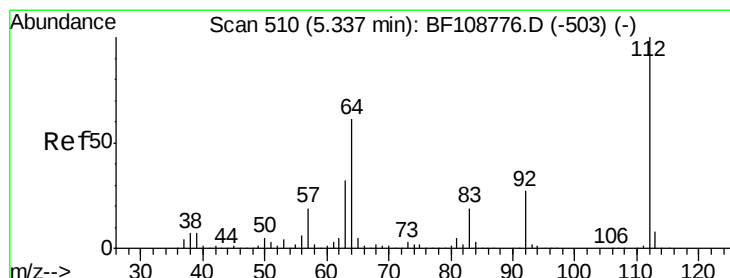
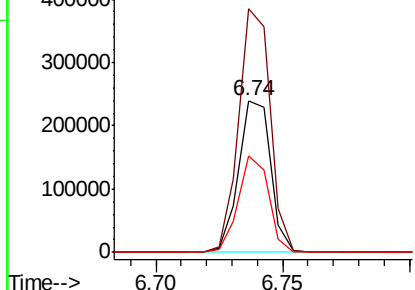
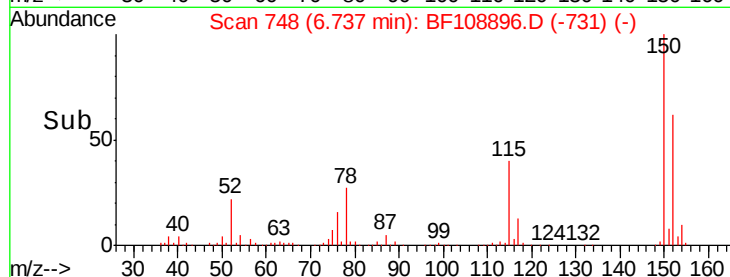


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

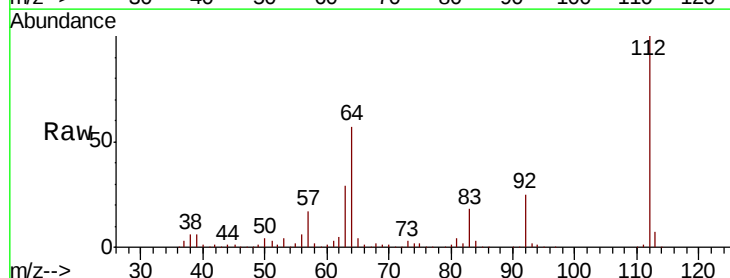
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 45.577 ng
 RT: 5.34 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: BF108896.D
 Acq: 10 Sep 2018 16:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.9	71.9
63	29.0	23.7	35.5

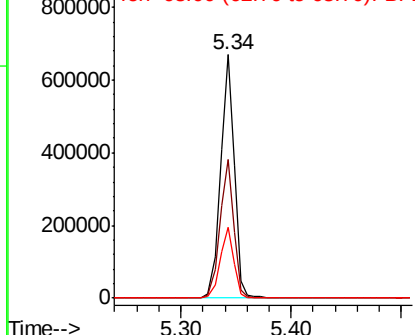
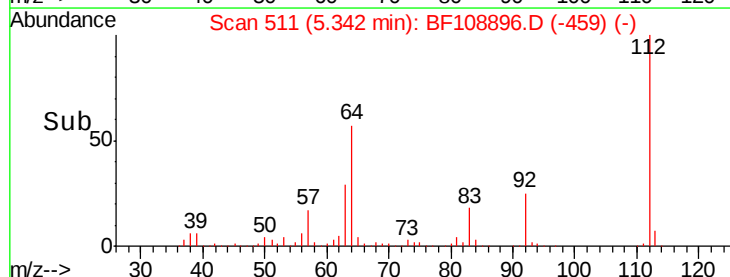


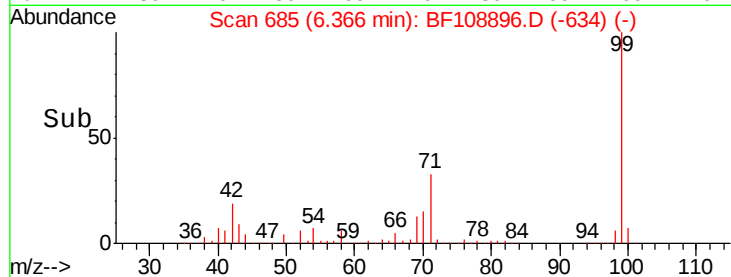
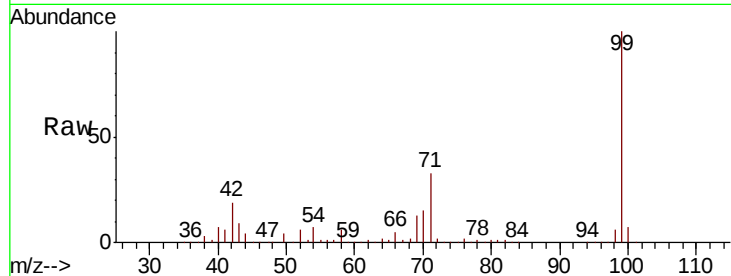
Abundance

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: 45.125 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF108896.D

Acq: 10 Sep 2018 16:43

Instrument :

BNA_E

ClientSampled :

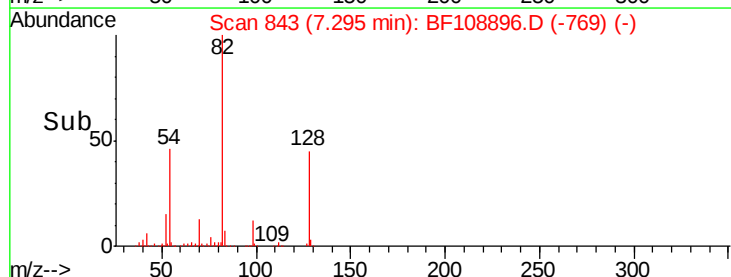
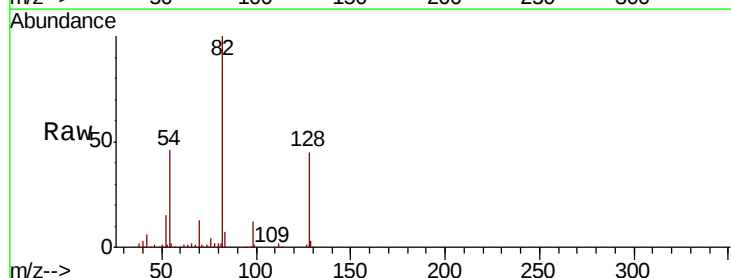
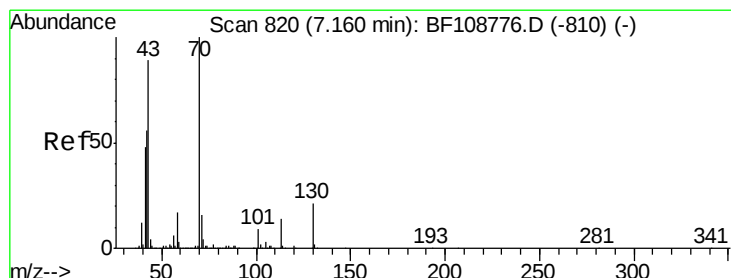
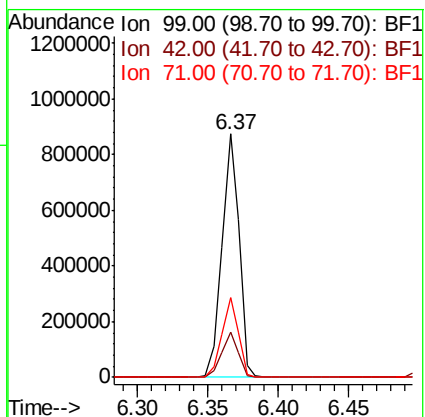
Tot Ion: 99 Resp: 737849

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

71 32.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.130 ng

RT: 7.30 min Scan# 843

Delta R.T. 0.14 min

Lab File: BF108896.D

Acq: 10 Sep 2018 16:43

Tgt Ion: 70 Resp: 58307

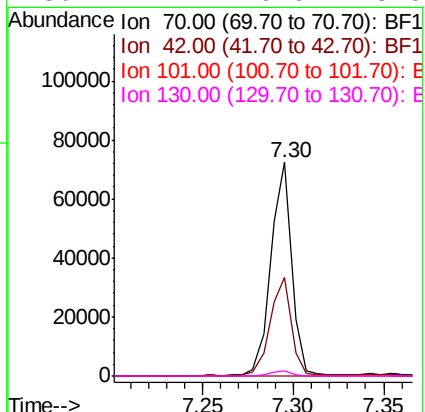
Ion Ratio Lower Upper

70 100

42 46.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

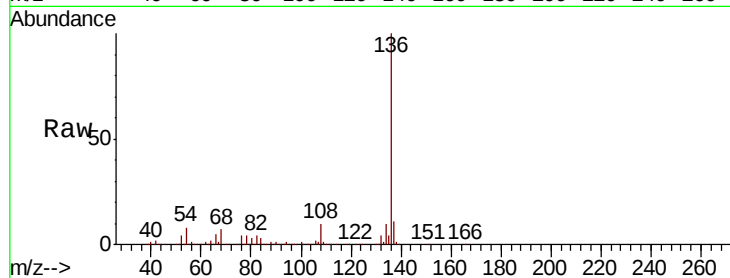




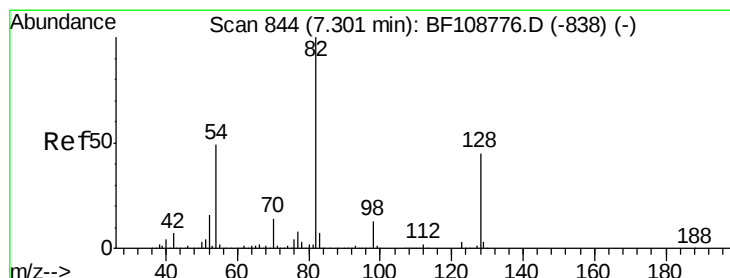
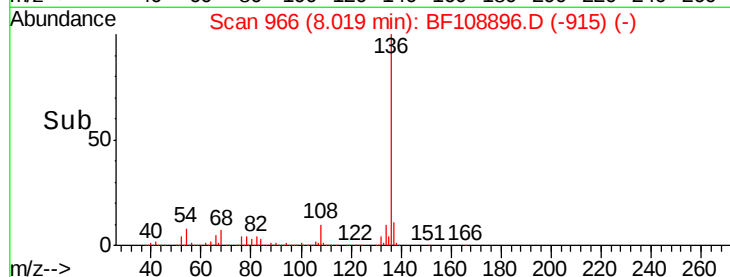
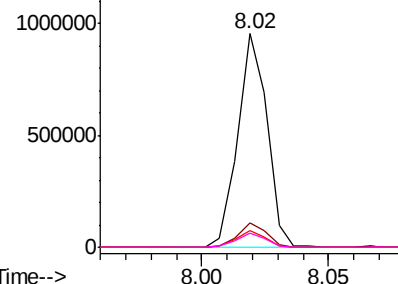
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Instrument :
BNA_E
ClientSampled :

Tot Ion:136	Resp:	770312
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	7.9	6.6 9.8
68	6.8	5.0 7.4

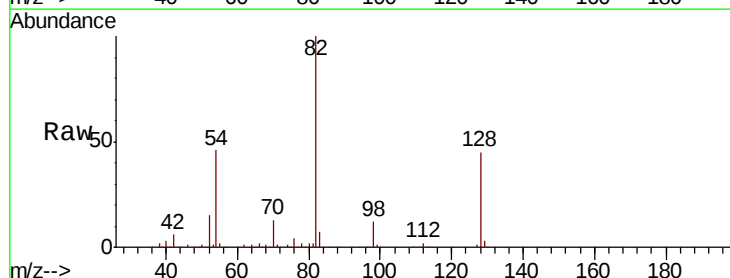


Abundance Ion 136.00 (135.70 to 136.70): E
1500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

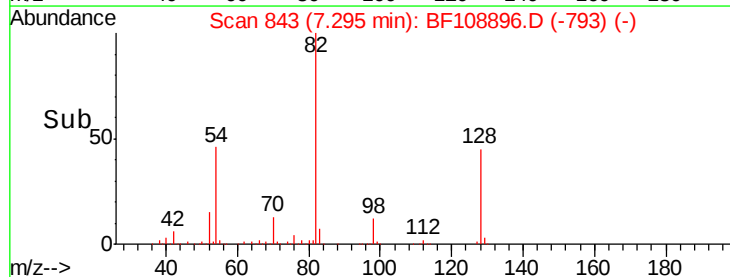
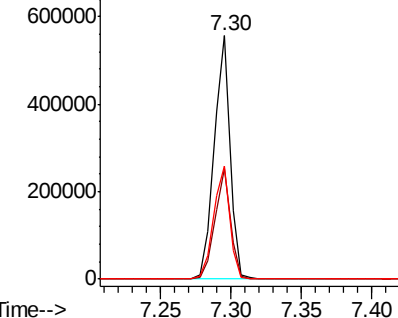


#23
Nitrobenzene-d5
Concen: 35.565 ng
RT: 7.30 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Tgt Ion: 82	Resp:	437767
Ion Ratio	Lower	Upper
82	100	
128	45.3	36.1 54.1
54	46.5	41.4 62.2



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





#25

Isophorone

Concen: 17.727 ng

RT: 7.30 min Scan# 843

Delta R.T. -0.26 min

Lab File: BF108896.D

Acq: 10 Sep 2018 16:43

Instrument :

BNA_E

ClientSampleId :

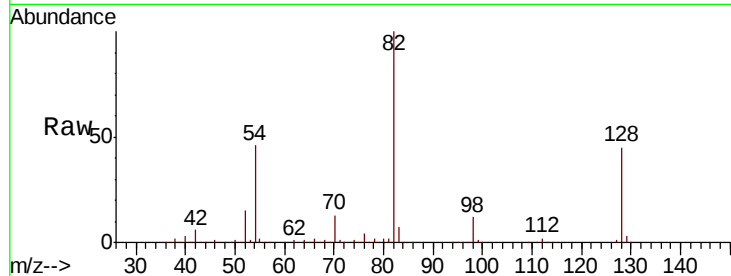
Tot Ion: 82 Resp: 435238

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

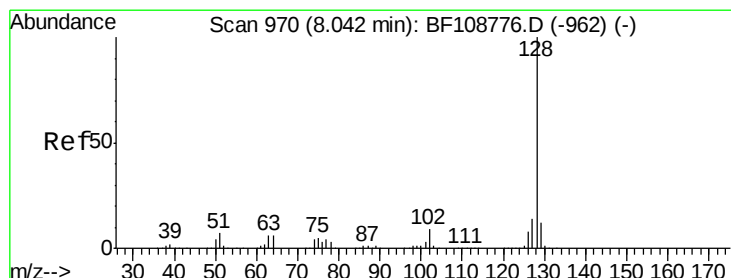
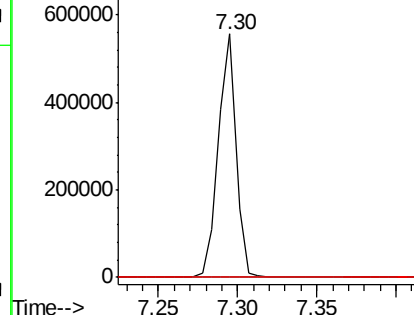
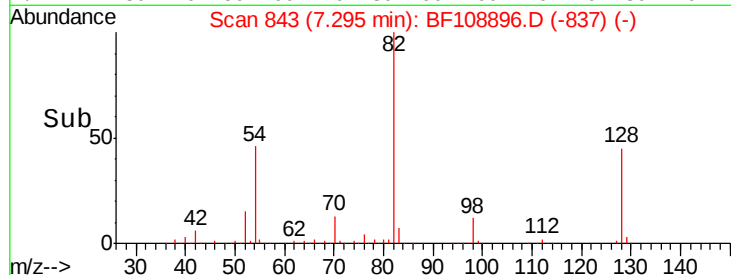
138 0.0 14.9 22.3#



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): E



#31

Naphthalene

Concen: 4.903 ng

RT: 8.04 min Scan# 970

Delta R.T. -0.00 min

Lab File: BF108896.D

Acq: 10 Sep 2018 16:43

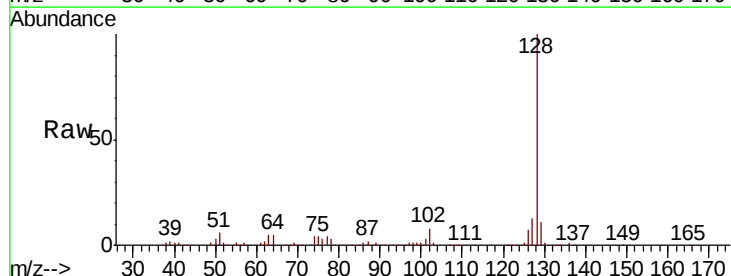
Tgt Ion:128 Resp: 169904

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

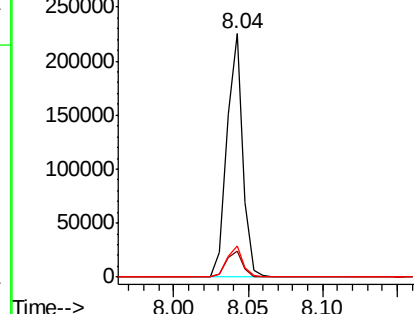
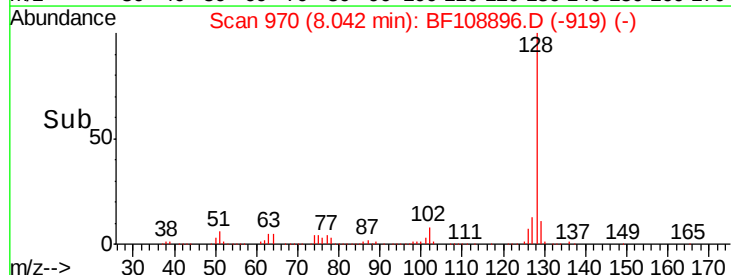
127 12.9 10.9 16.3

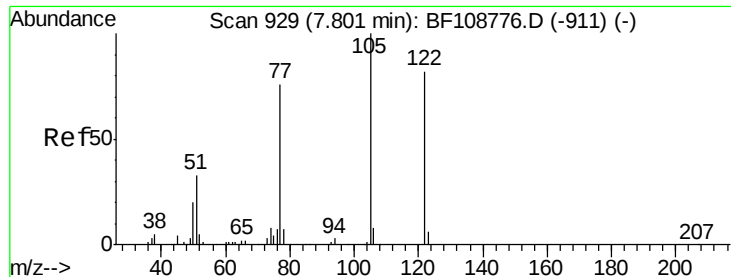


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

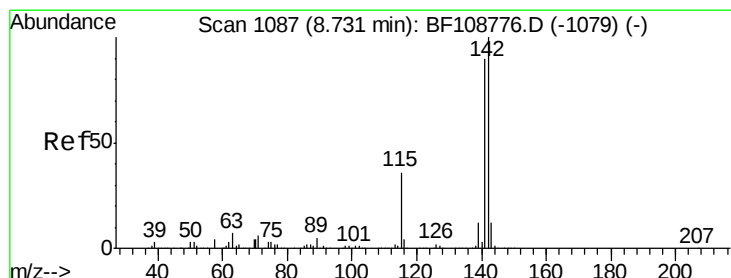
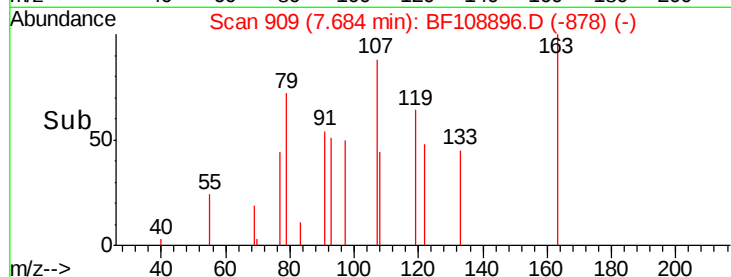
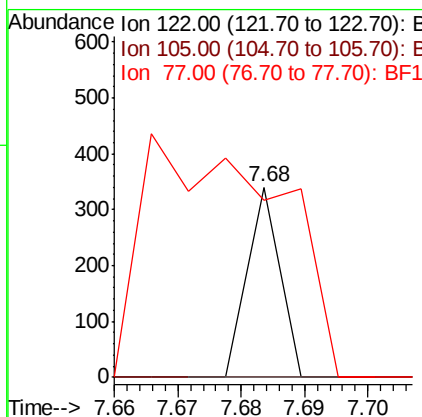
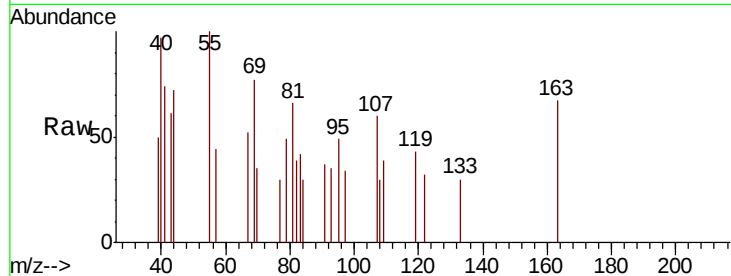




#32
Benzoic acid
Concen: 4.035 ng
RT: 7.68 min Scan# 909
Delta R.T. -0.12 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

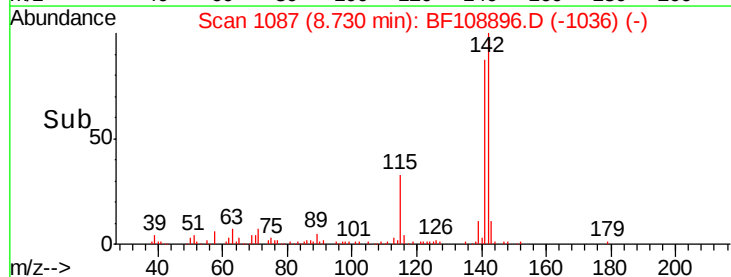
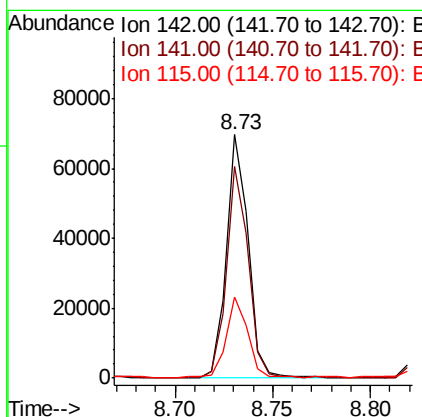
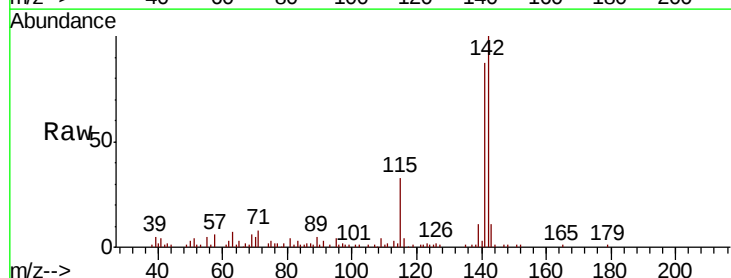
Instrument :
BNA_E
ClientSampleId :

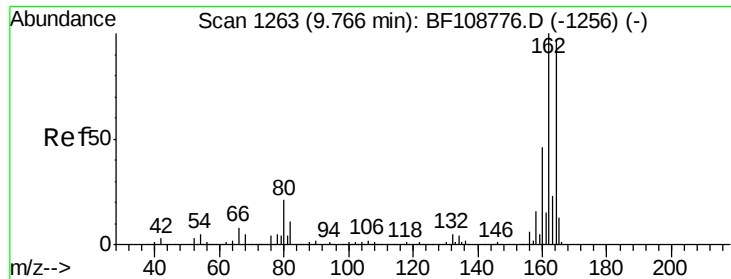
Tot Ion:122 Resp: 120
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 93.2 70.7 110.7



#37
2-Methylnaphthalene
Concen: 2.352 ng
RT: 8.73 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Tgt Ion:142 Resp: 53854
Ion Ratio Lower Upper
142 100
141 87.1 70.8 106.2
115 33.2 26.1 39.1

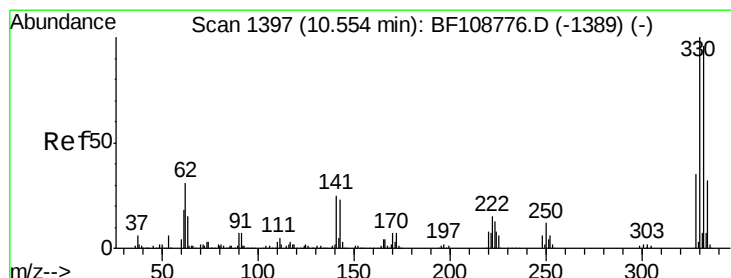
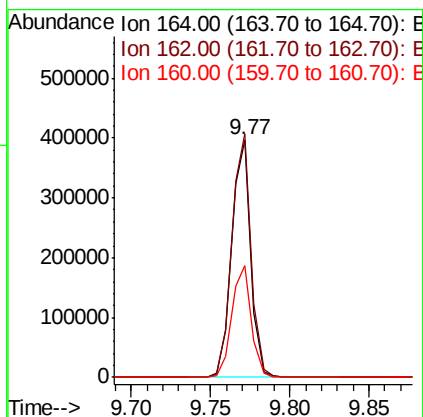
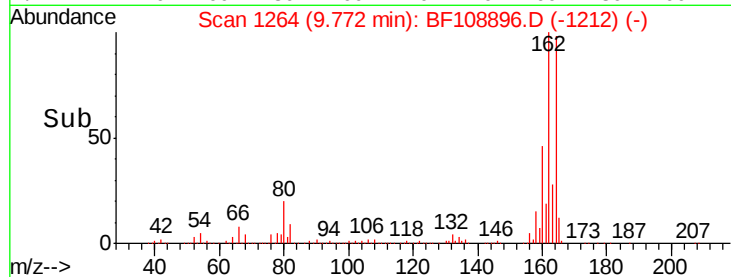
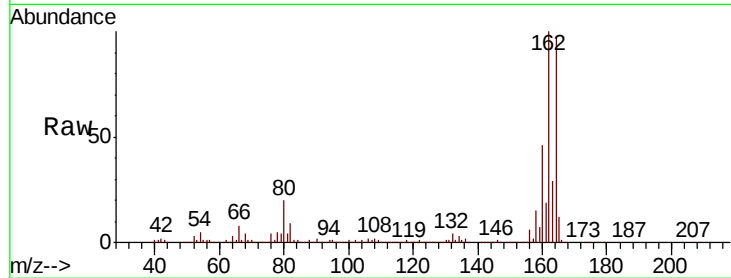




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1264
 Delta R.T. 0.01 min
 Lab File: BF108896.D
 Acq: 10 Sep 2018 16:43

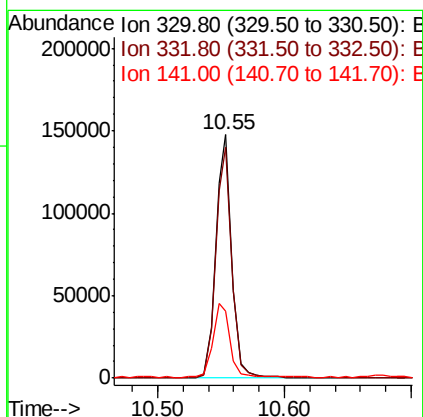
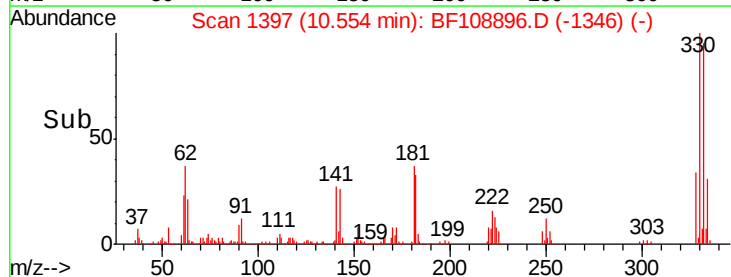
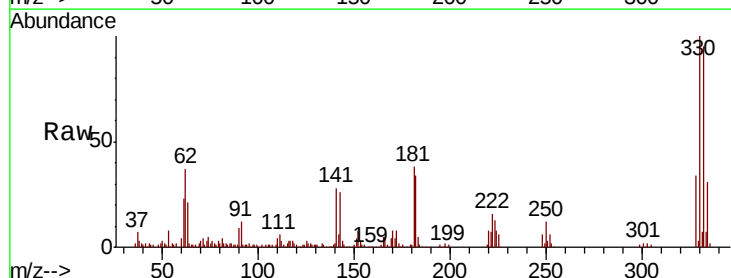
Instrument :
 BNA_E
 ClientSampled :

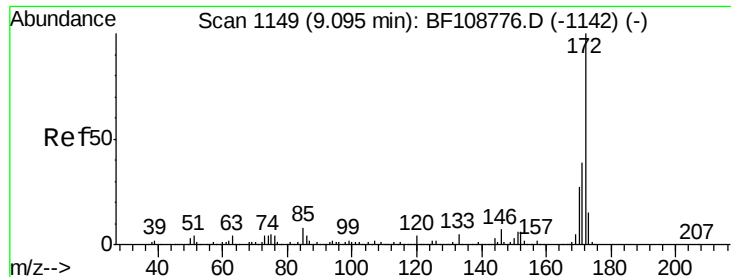
Tot Ion:164 Resp: 327166
 Ion Ratio Lower Upper
 164 100
 162 102.6 86.1 129.1
 160 47.0 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 41.970 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: BF108896.D
 Acq: 10 Sep 2018 16:43

Tgt Ion:330 Resp: 131084
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 31.8 29.9 44.9

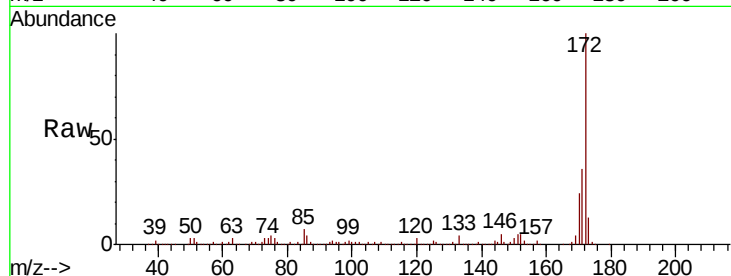




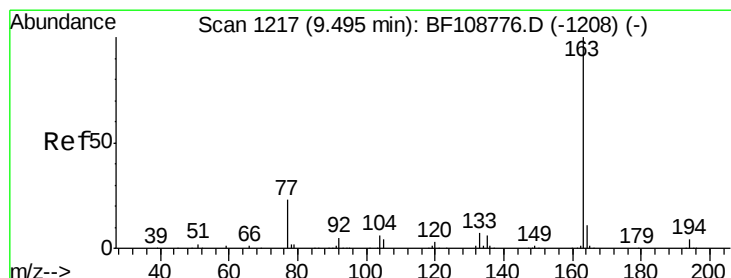
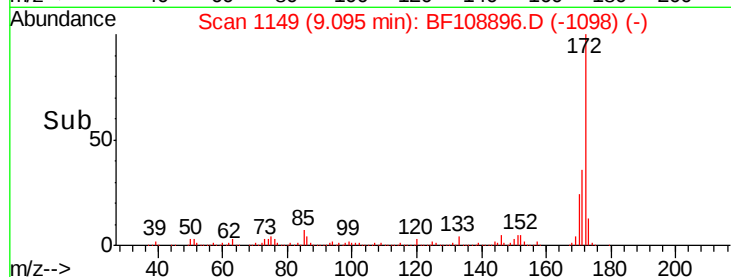
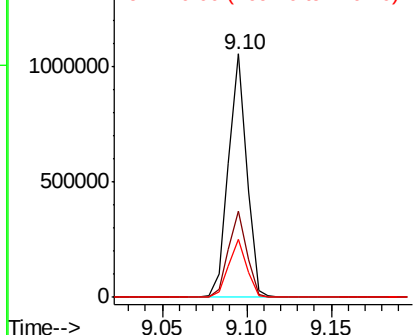
#44
2-Fluorobiphenyl
Concen: 41.520 ng
RT: 9.10 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Instrument :
BNA_E
ClientSampled :

Tot Ion:172 Resp: 796248
Ion Ratio Lower Upper
172 100
171 35.6 29.7 44.5
170 23.7 19.6 29.4

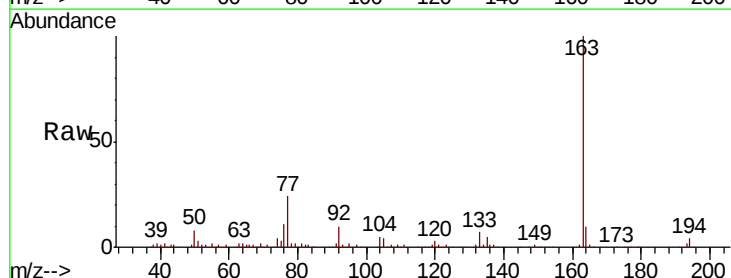


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

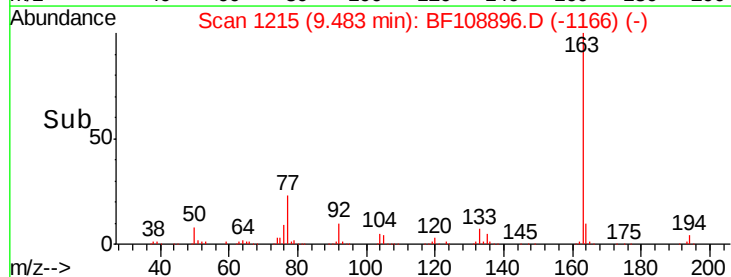
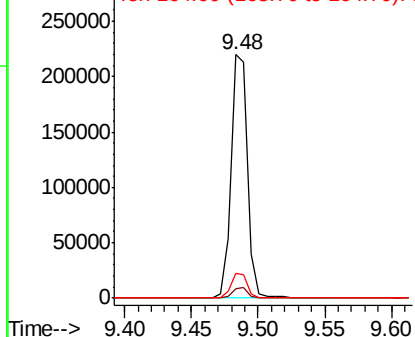


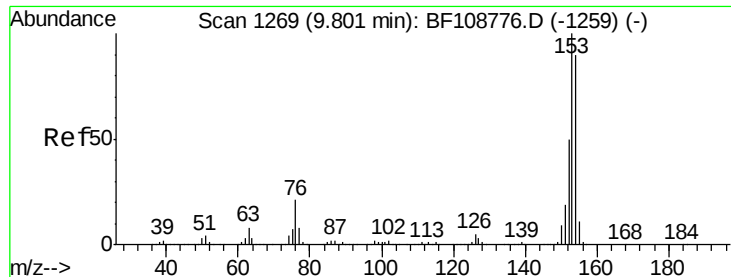
#49
Dimethylphthalate
Concen: 8.304 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Tgt Ion:163 Resp: 190014
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 10.3 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





#51

Acenaphthene

Concen: 7.337 ng

RT: 9.80 min Scan# 1269

Delta R.T. -0.00 min

Lab File: BF108896.D

Acq: 10 Sep 2018 16:43

Instrument :

BNA_E

ClientSampleId :

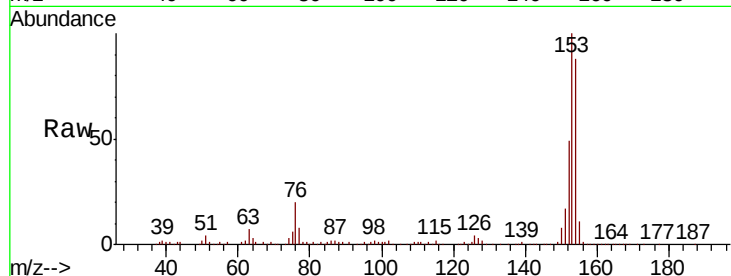
Tot Ion:154 Resp: 137862

Ion Ratio Lower Upper

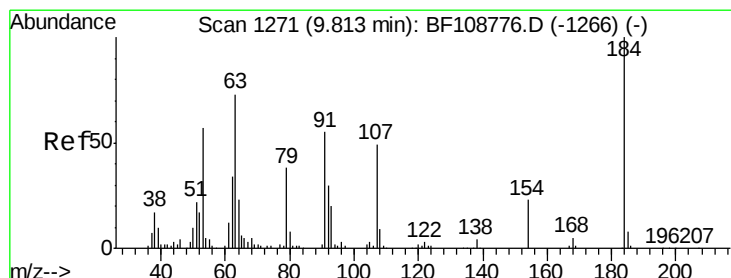
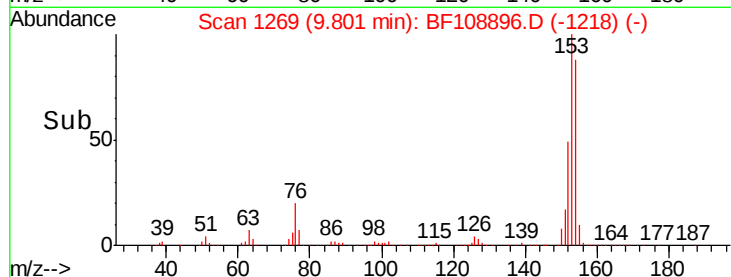
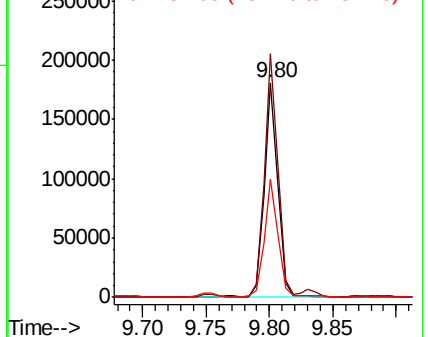
154 100

153 113.6 91.2 136.8

152 55.1 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: 9.390 ng

RT: 9.70 min Scan# 1252

Delta R.T. -0.11 min

Lab File: BF108896.D

Acq: 10 Sep 2018 16:43

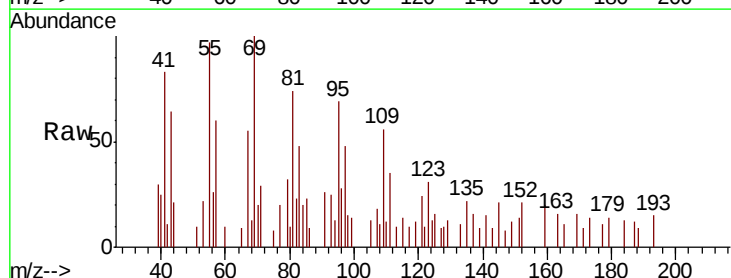
Tgt Ion:184 Resp: 166

Ion Ratio Lower Upper

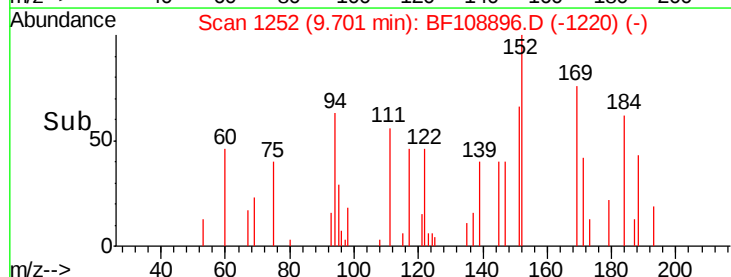
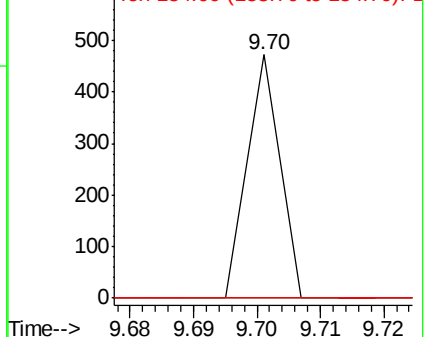
184 100

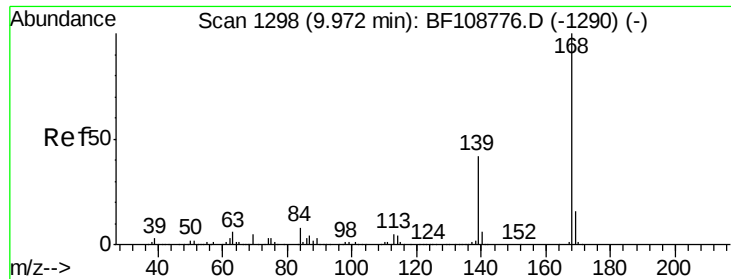
63 0.0 54.2 81.2#

154 0.0 184.0 276.0#



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

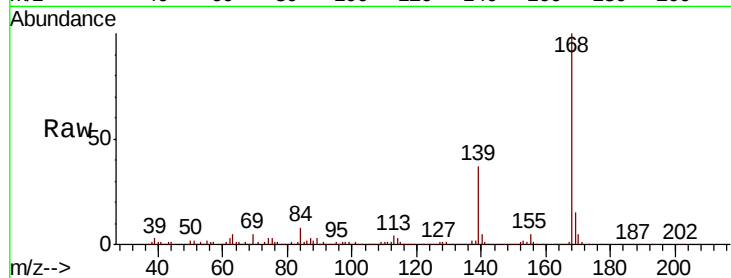




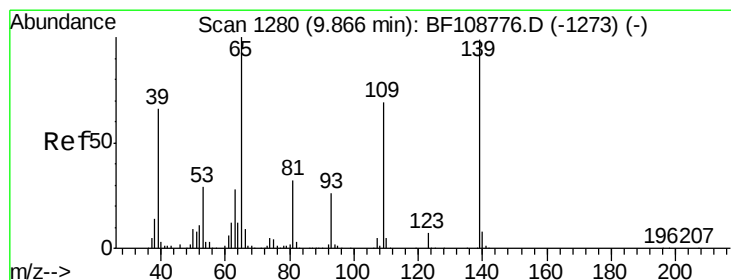
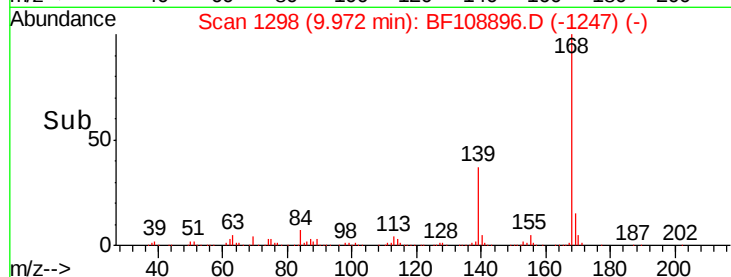
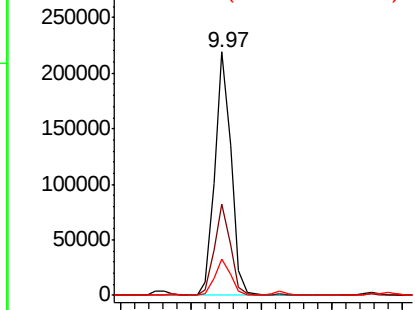
#54
Dibenzofuran
Concen: 6.390 ng
RT: 9.97 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Instrument :
BNA_E
ClientSampled :

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.4	30.1	45.1
169	15.1	10.9	16.3

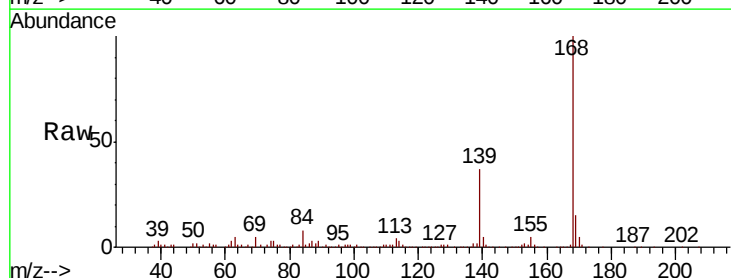


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

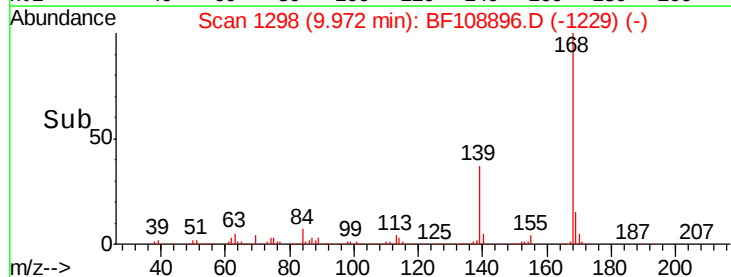
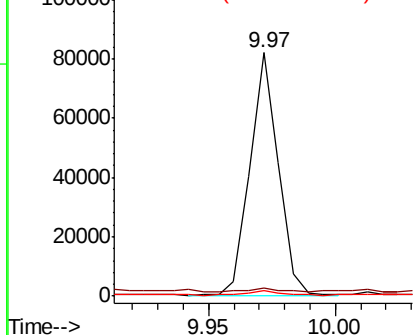


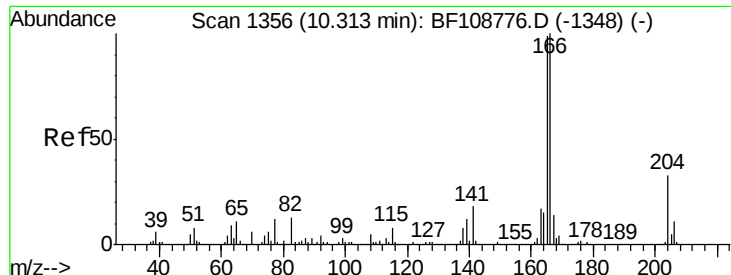
#55
4-Nitrophenol
Concen: 16.332 ng
RT: 9.97 min Scan# 1298
Delta R.T. 0.11 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Tgt Ion	Ratio	Lower	Upper
139	100		
109	3.2	48.4	88.4#
65	2.1	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





#57

Fluorene

Concen: 14.460 ng

RT: 10.31 min Scan# 1356

Delta R.T. -0.00 min

Lab File: BF108896.D

Acq: 10 Sep 2018 16:43

Instrument :

BNA_E

ClientSampleId :

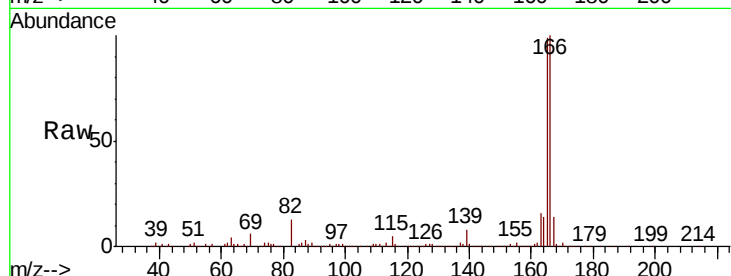
Tot Ion:166 Resp: 254161

Ion Ratio Lower Upper

166 100

165 98.5 79.8 119.8

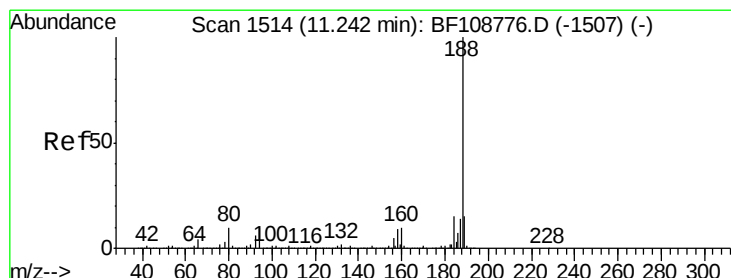
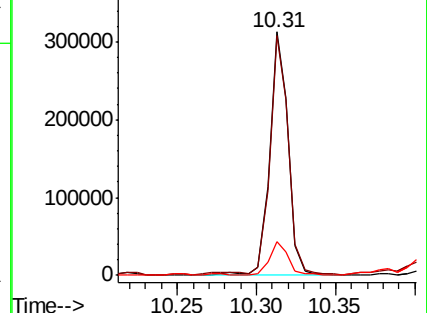
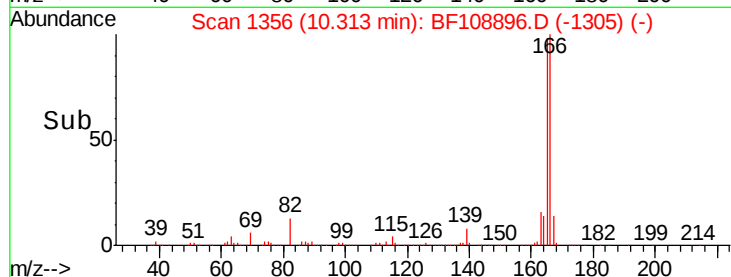
167 13.8 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1515

Delta R.T. 0.01 min

Lab File: BF108896.D

Acq: 10 Sep 2018 16:43

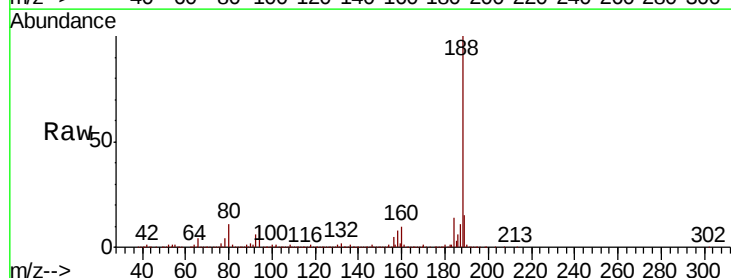
Tgt Ion:188 Resp: 522365

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

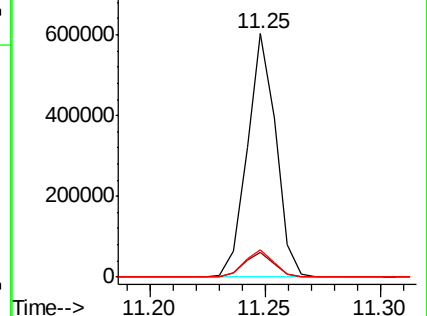
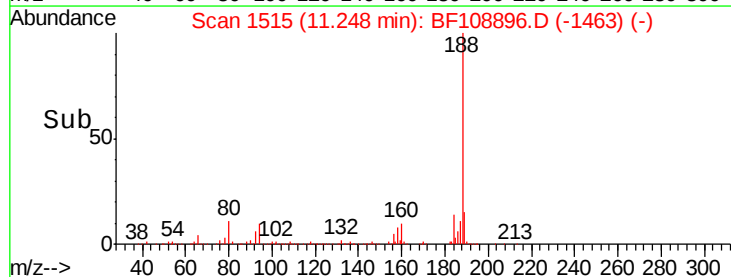
80 11.3 9.2 13.8

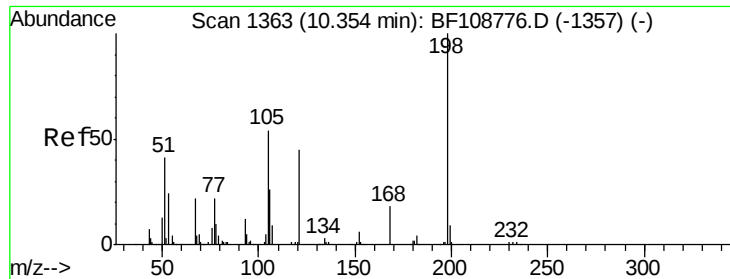


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 6.968 ng

RT: 10.55 min Scan# 1397

Delta R.T. 0.20 min

Lab File: BF108896.D

Acq: 10 Sep 2018 16:43

Instrument :

BNA_E

ClientSampleId :

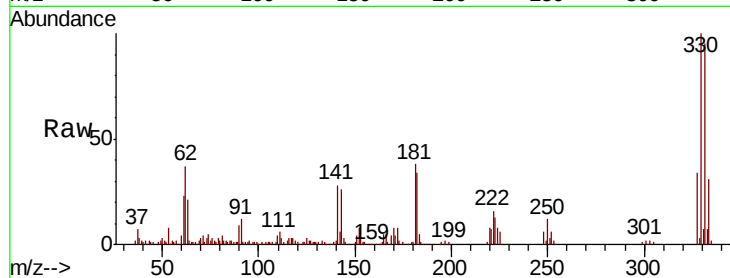
Tot Ion:198 Resp: 238

Ion Ratio Lower Upper

198 100

51 718.0 37.7 77.7#

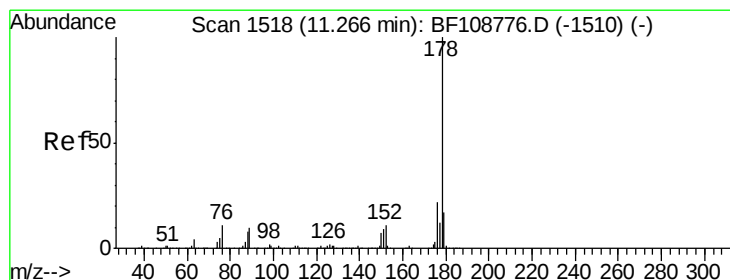
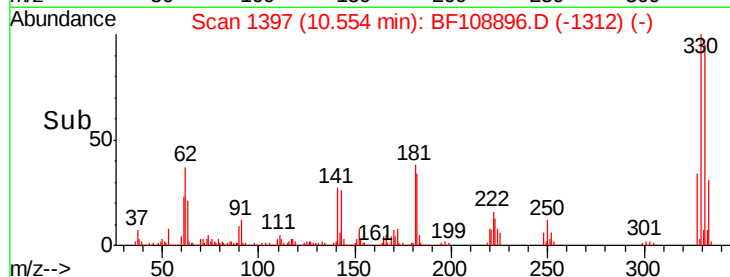
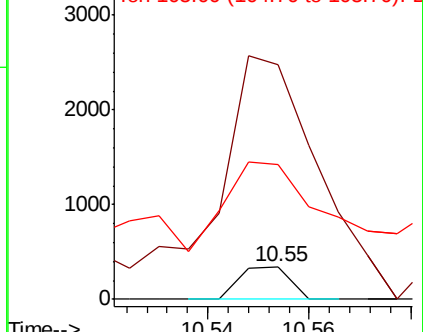
105 412.2 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: 59.363 ng

RT: 11.28 min Scan# 1520

Delta R.T. 0.01 min

Lab File: BF108896.D

Acq: 10 Sep 2018 16:43

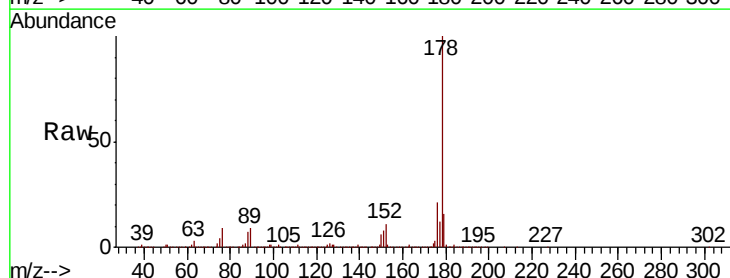
Tgt Ion:178 Resp: 1480826

Ion Ratio Lower Upper

178 100

176 20.8 15.8 23.8

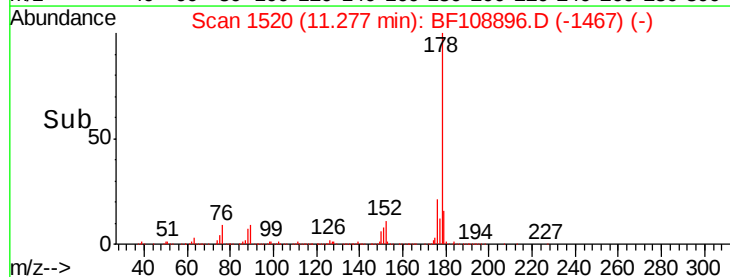
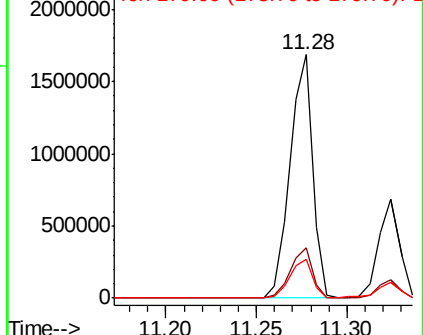
179 16.0 13.0 19.6

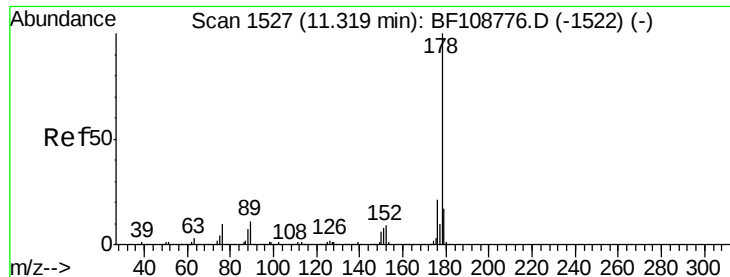


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

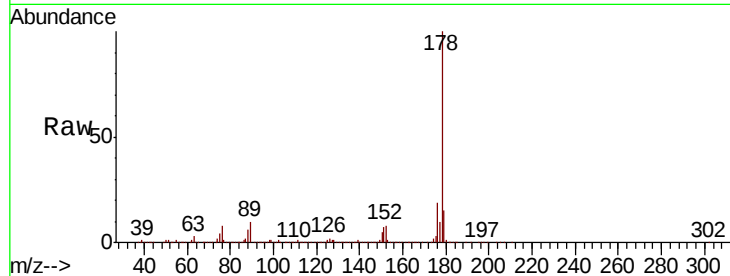




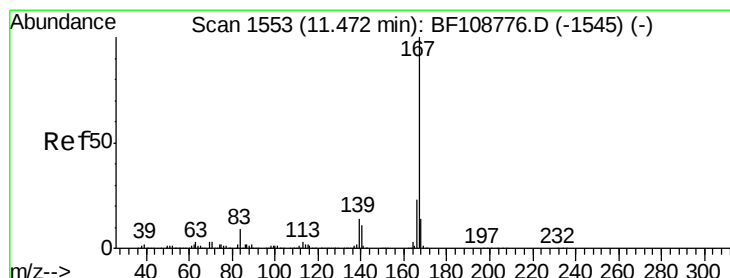
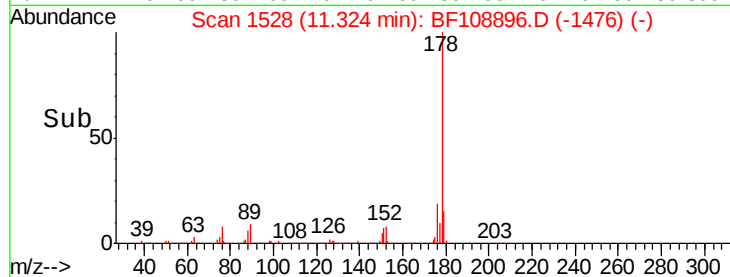
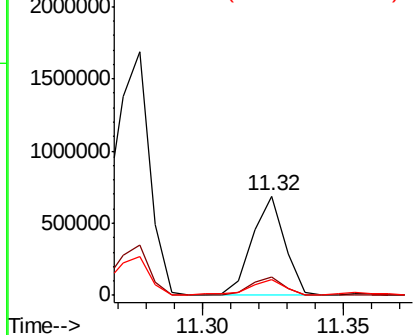
#71
 Anthracene
 Concen: 22.653 ng
 RT: 11.32 min Scan# 1528
 Delta R.T. 0.01 min
 Lab File: BF108896.D
 Acq: 10 Sep 2018 16:43

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:178 Resp: 541027
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.2
 179 15.4 12.6 19.0

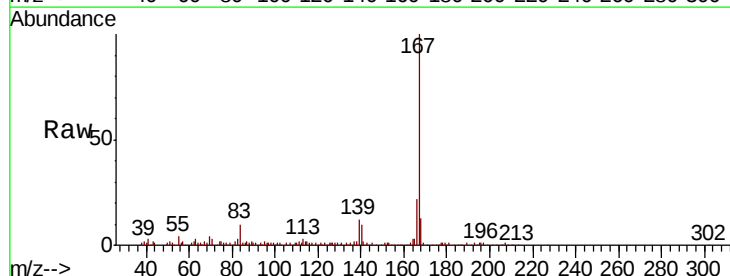


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

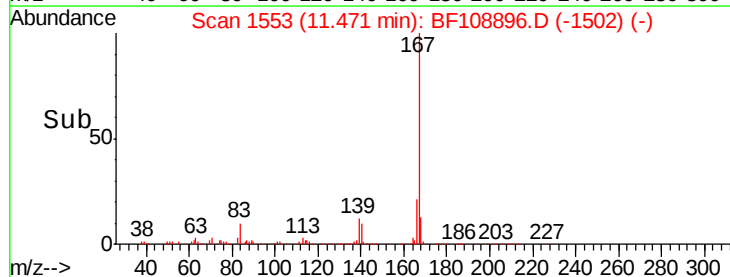
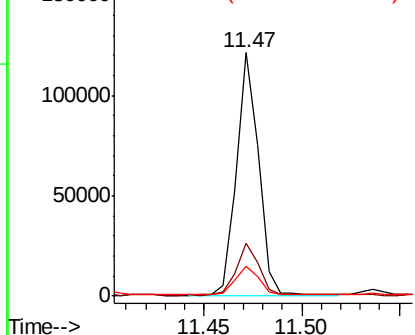


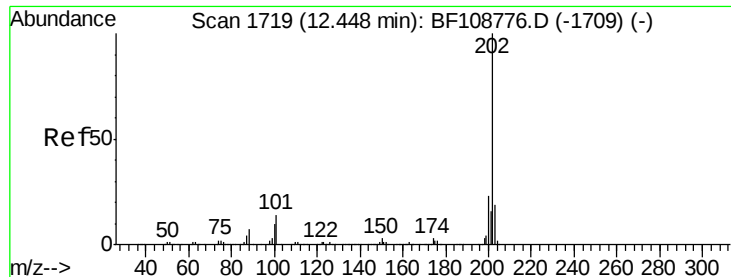
#72
 Carbazole
 Concen: 3.786 ng
 RT: 11.47 min Scan# 1553
 Delta R.T. -0.00 min
 Lab File: BF108896.D
 Acq: 10 Sep 2018 16:43

Tgt Ion:167 Resp: 95239
 Ion Ratio Lower Upper
 167 100
 166 21.7 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

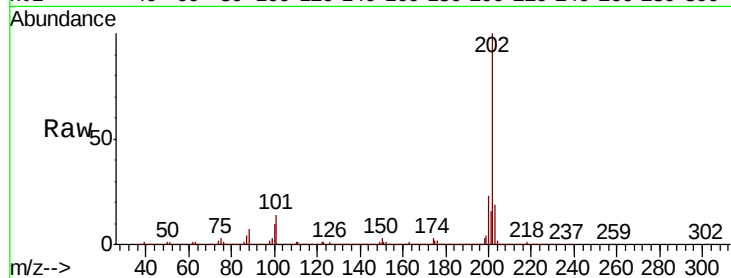




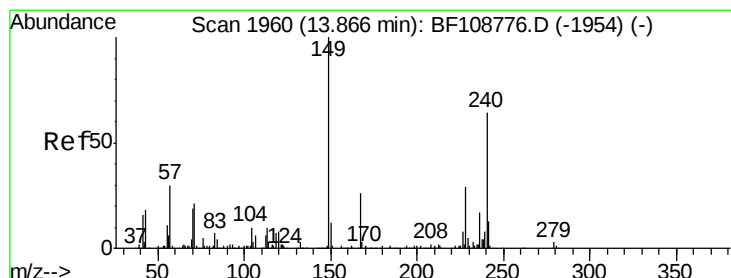
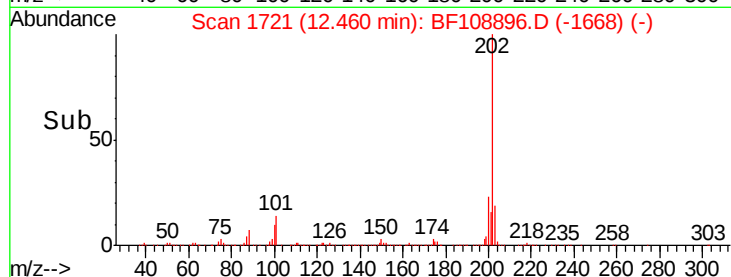
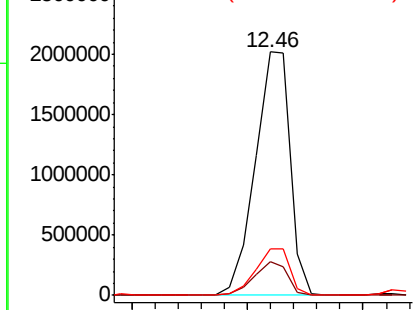
#74
 Fluoranthene
 Concen: 86.074 ng
 RT: 12.46 min Scan# 1721
 Delta R.T. 0.01 min
 Lab File: BF108896.D
 Acq: 10 Sep 2018 16:43

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:202 Resp: 2125873
 Ion Ratio Lower Upper
 202 100
 101 13.9 0.0 34.1
 203 19.1 0.0 38.1

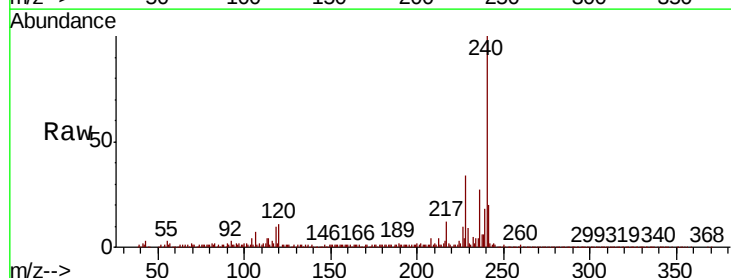


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

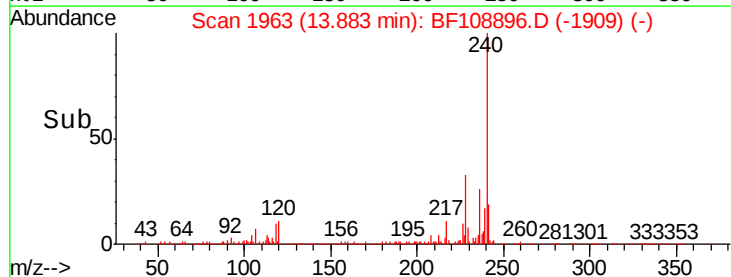
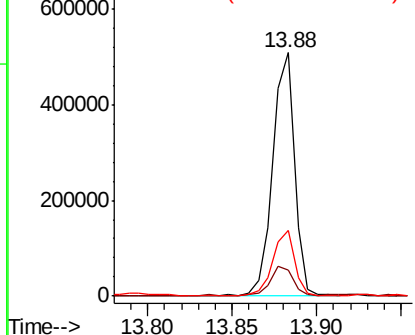


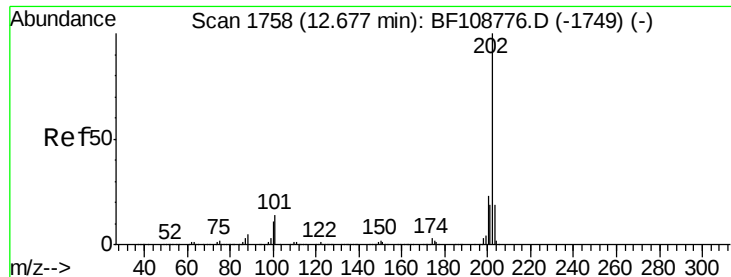
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.88 min Scan# 1963
 Delta R.T. 0.02 min
 Lab File: BF108896.D
 Acq: 10 Sep 2018 16:43

Tgt Ion:240 Resp: 452225
 Ion Ratio Lower Upper
 240 100
 120 10.8 9.5 14.3
 236 26.9 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

Pvrene

Concen: 53.774 ng

RT: 12.69 min Scan# 1760

Delta R.T. 0.01 min

Lab File: BF108896.D

Acq: 10 Sep 2018 16:43

Instrument :

BNA_E

ClientSampleId :

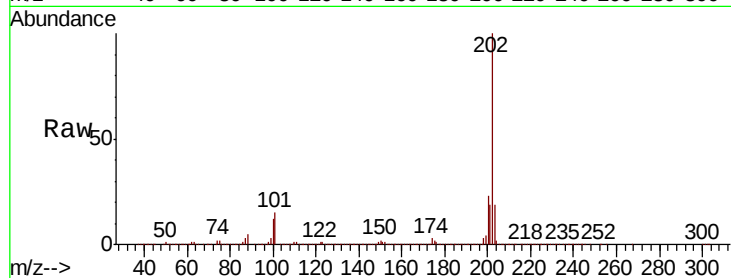
Tot Ion:202 Resp: 1871237

Ion Ratio Lower Upper

202 100

200 23.1 17.4 26.2

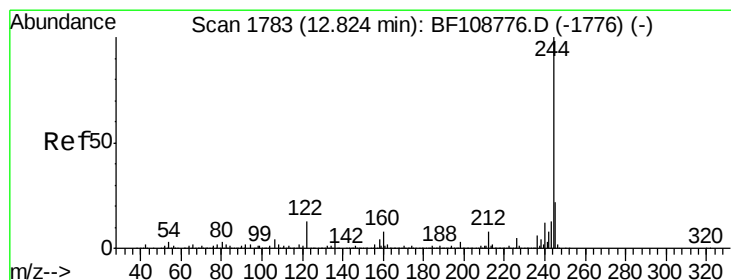
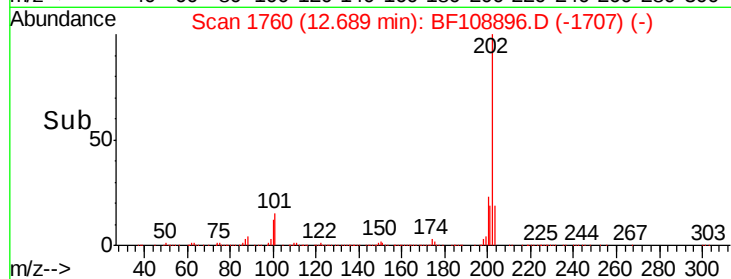
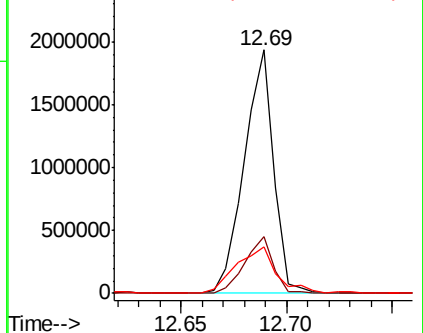
203 18.9 14.3 21.5



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: 33.030 ng

RT: 12.83 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF108896.D

Acq: 10 Sep 2018 16:43

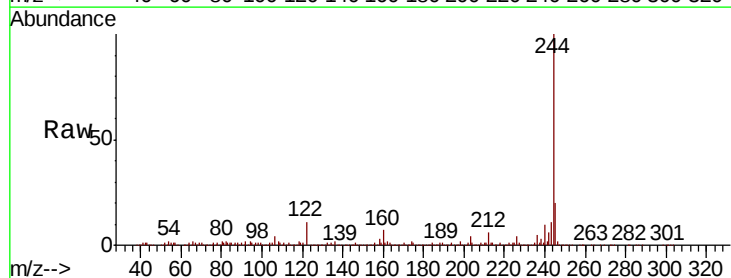
Tgt Ion:244 Resp: 640554

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

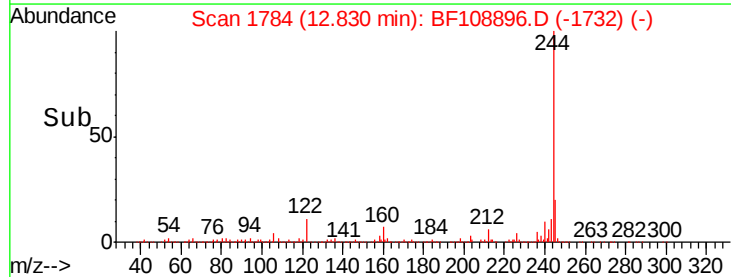
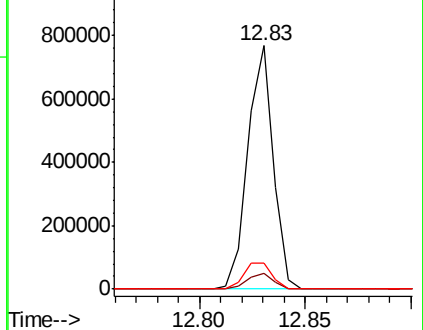
122 10.9 11.0 16.4#

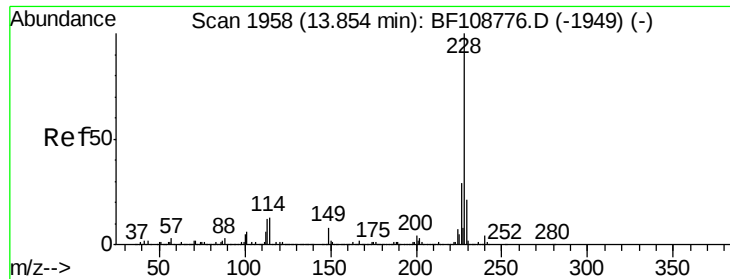


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

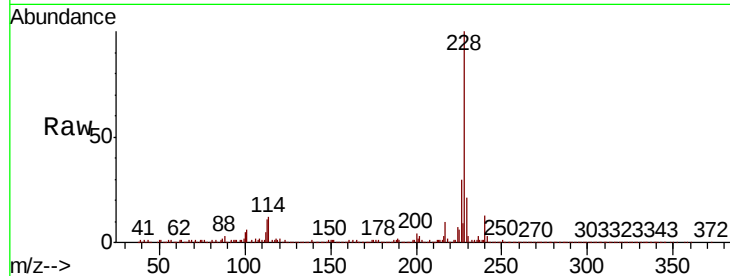




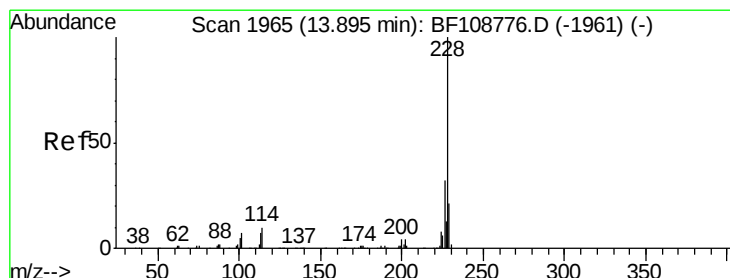
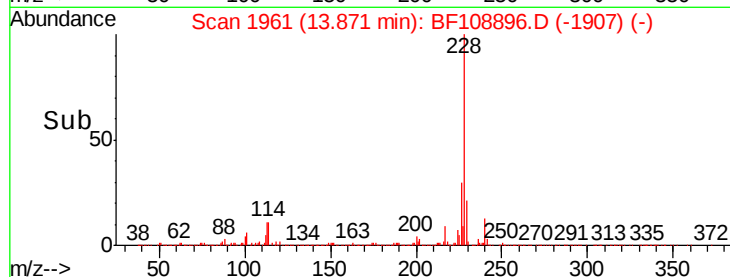
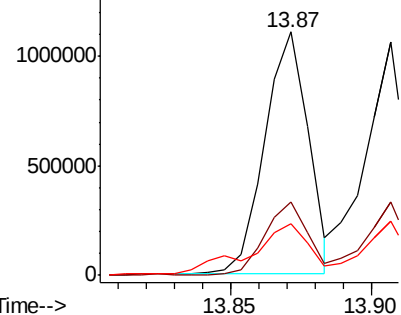
#80
Benzo(a)anthracene
Concen: 40.993 ng
RT: 13.87 min Scan# 1961
Delta R.T. 0.02 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Instrument :
BNA_E
ClientSampled :

Tot Ion:228 Resp: 1188224
Ion Ratio Lower Upper
228 100
226 29.9 22.6 33.8
229 21.2 15.8 23.6

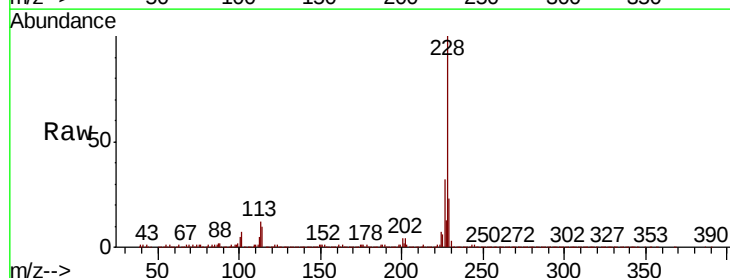


Abundance Ion 228.00 (227.70 to 228.70): E
1500000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

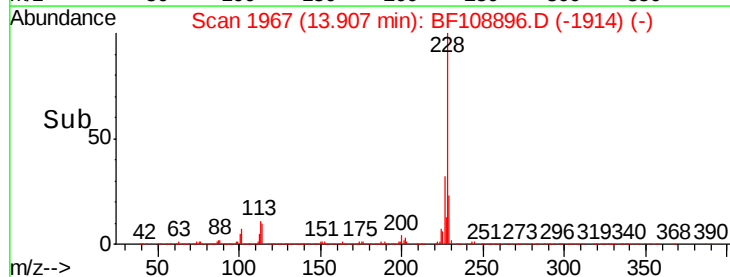
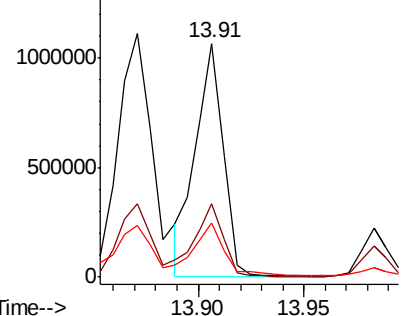


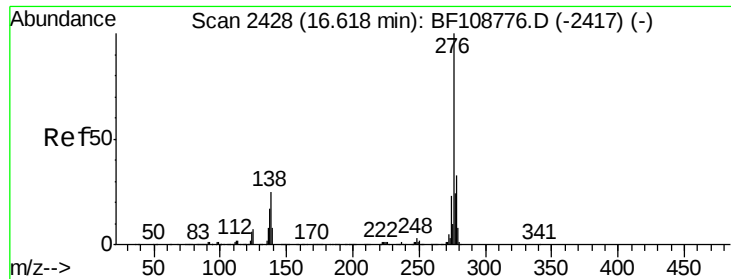
#82
Chrysene
Concen: 34.685 ng
RT: 13.91 min Scan# 1967
Delta R.T. 0.01 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Tgt Ion:228 Resp: 973273
Ion Ratio Lower Upper
228 100
226 31.6 25.0 37.6
229 22.9 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
1500000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

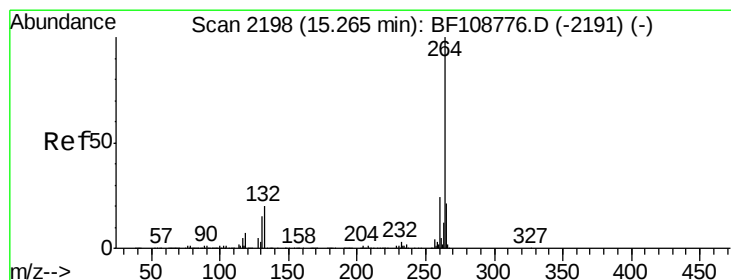
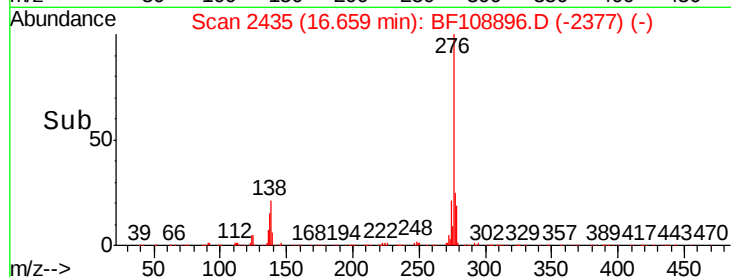
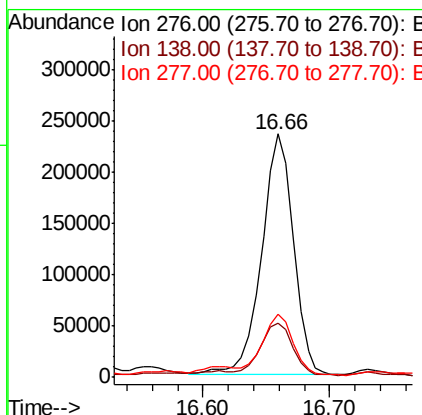
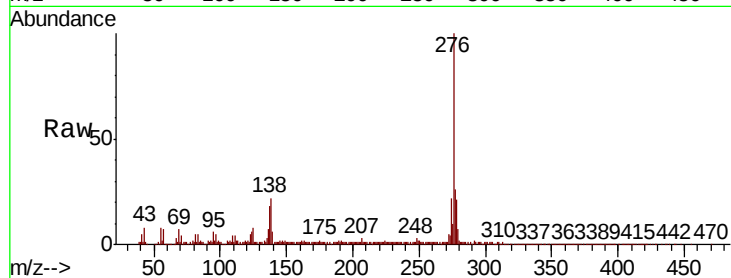




#85
Indeno(1,2,3-cd)pyrene
Concen: 16.460 ng
RT: 16.66 min Scan# 2435
Delta R.T. 0.04 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

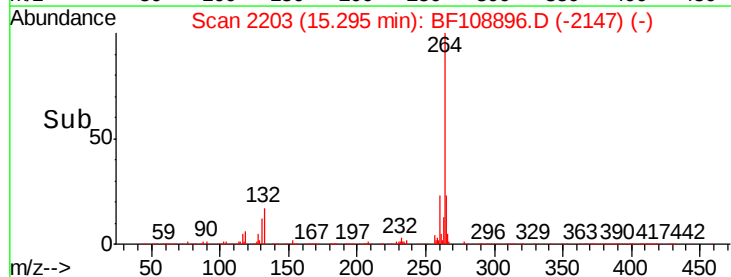
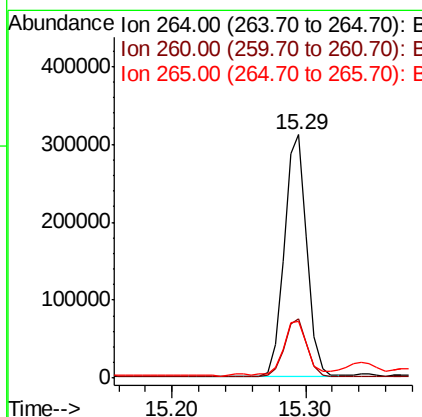
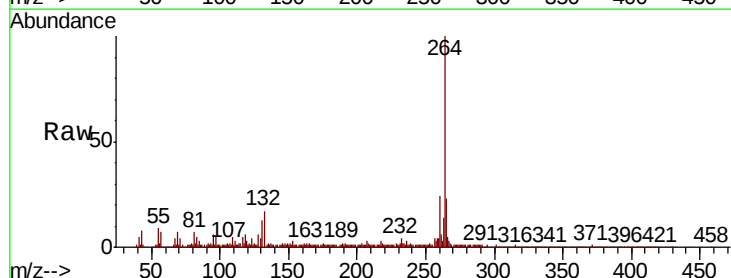
Instrument :
BNA_E
ClientSampleId :

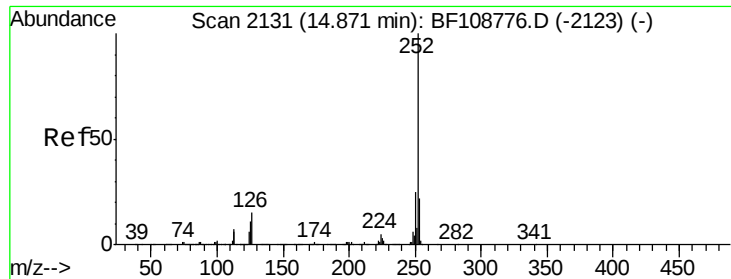
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.0	25.0	37.6#
277	24.8	20.1	30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2203
Delta R.T. 0.03 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	23.4	17.5	26.3

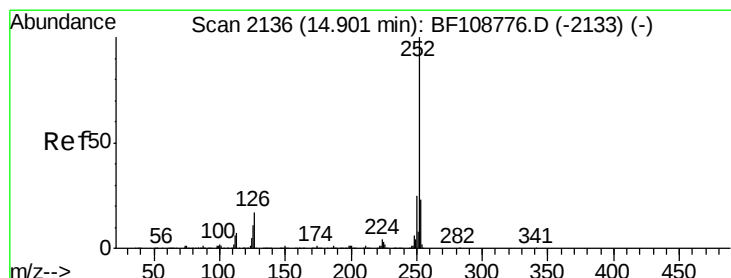
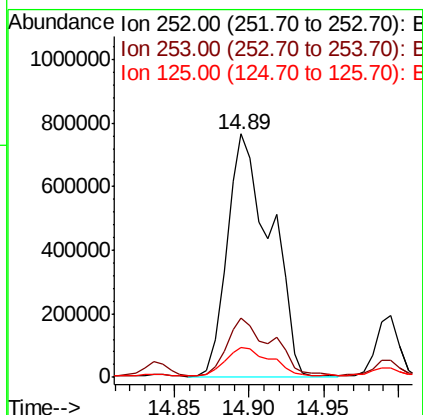
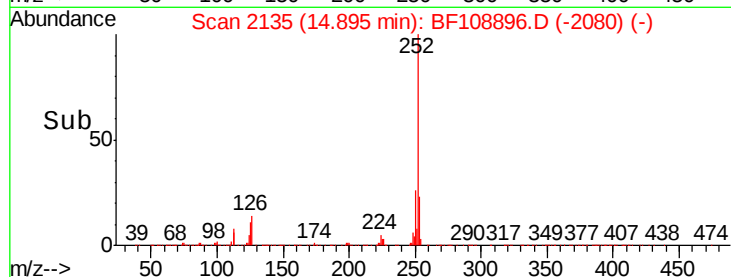
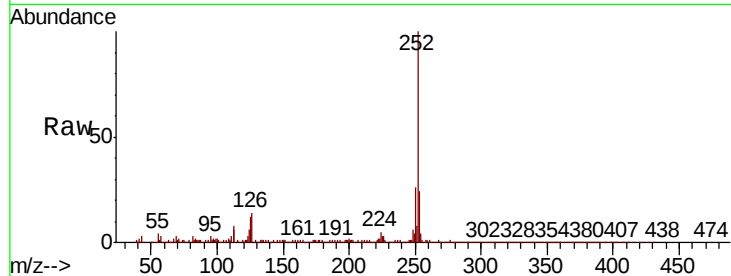




#87
Benzo(b)fluoranthene
Concen: 76.766 ng
RT: 14.89 min Scan# 2135
Delta R.T. 0.02 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

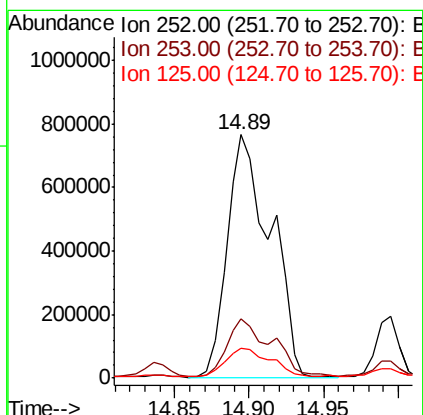
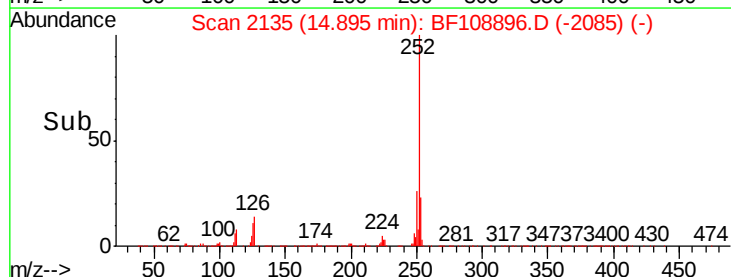
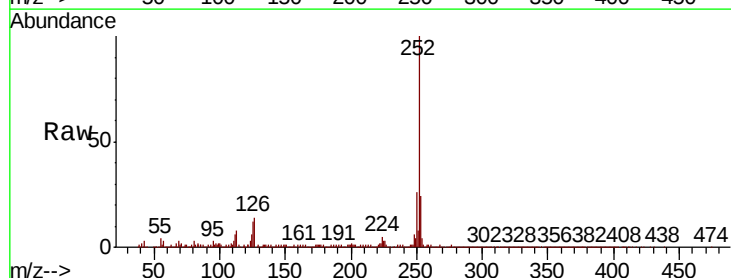
Instrument :
BNA_E
ClientSampleId :

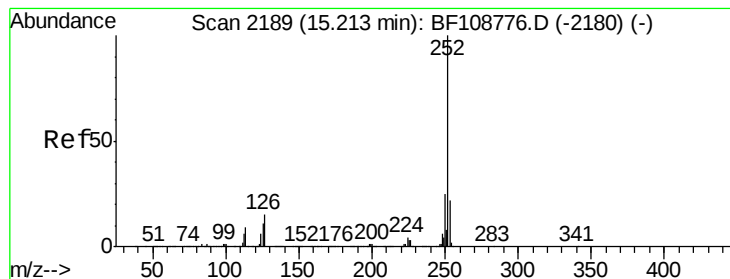
Tot Ion:252 Resp: 1540093
Ion Ratio Lower Upper
252 100
253 24.4 17.0 25.6
125 12.3 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 83.360 ng
RT: 14.89 min Scan# 2135
Delta R.T. -0.01 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Tgt Ion:252 Resp: 1540093
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 12.3 10.2 15.2





#89

Benzo(a)pyrene

Concen: 42.822 ng

RT: 15.24 min Scan# 2193

Delta R.T. 0.02 min

Lab File: BF108896.D

Acq: 10 Sep 2018 16:43

Instrument :

BNA_E

ClientSampleId :

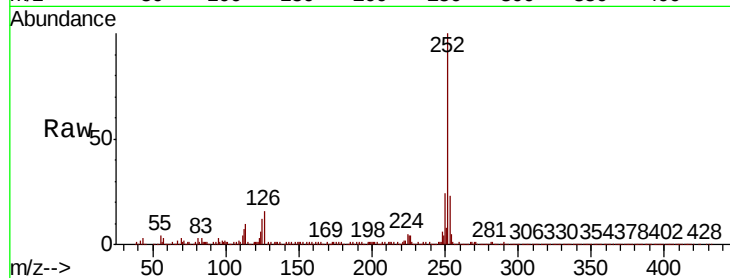
Tot Ion:252 Resp: 775172

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

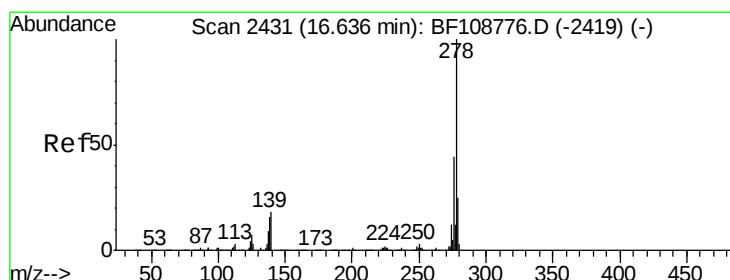
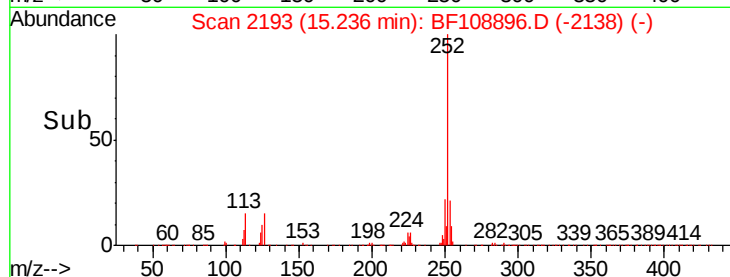
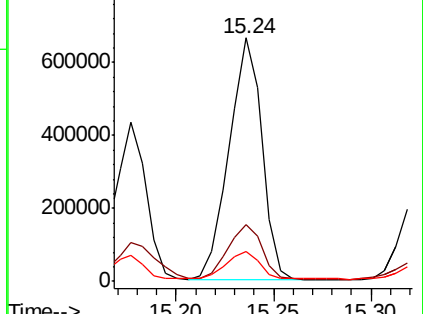
125 12.1 9.8 14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 6.454 ng

RT: 16.67 min Scan# 2436

Delta R.T. 0.03 min

Lab File: BF108896.D

Acq: 10 Sep 2018 16:43

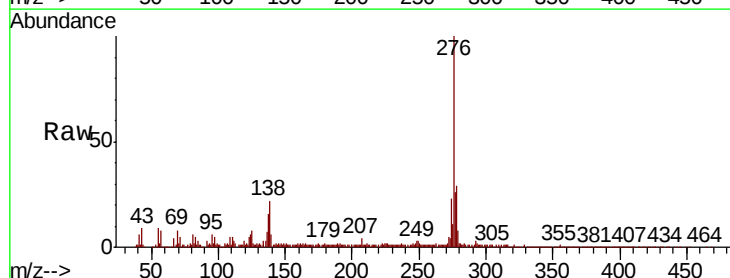
Tgt Ion:278 Resp: 102946

Ion Ratio Lower Upper

278 100

139 22.4 15.9 23.9

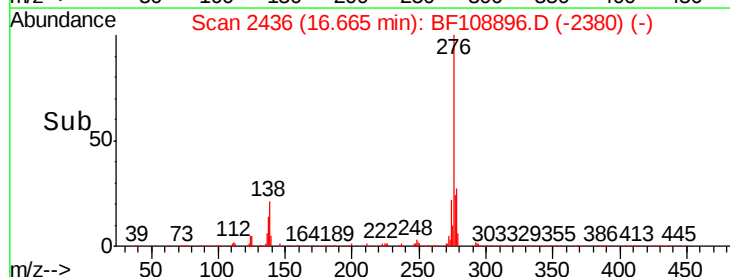
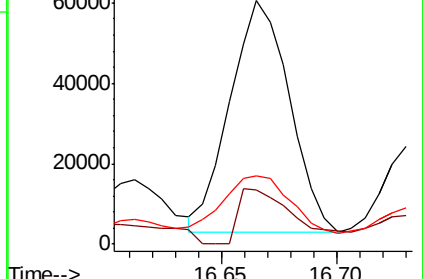
279 27.9 19.0 28.4

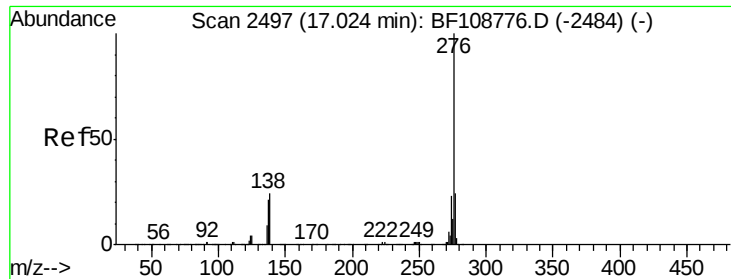


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 22.431 ng
 RT: 17.07 min Scan# 2505
 Delta R.T. 0.05 min
 Lab File: BF108896.D
 Acq: 10 Sep 2018 16:43

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.9	26.9
138	22.6	21.8	32.8

