

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
 Data File : BF108892.D
 Acq On : 10 Sep 2018 14:56
 Operator : JU/SJ
 Sample : J4776-03 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 10 15:40:38 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	212640	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	794104	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	344450	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	540285	20.00	ng	0.00
75) Chrysene-d12	13.87	240	509122	20.00	ng	0.00
86) Perylene-d12	15.28	264	445817	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	256246	19.96	ng	0.00
7) Phenol-d6	6.36	99	329550	19.95	ng	0.00
23) Nitrobenzene-d5	7.29	82	190415	15.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	57142	17.38	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	368298	18.24	ng	0.00
78) Terphenyl-d14	12.83	244	272243	12.47	ng	0.00

Target Compounds

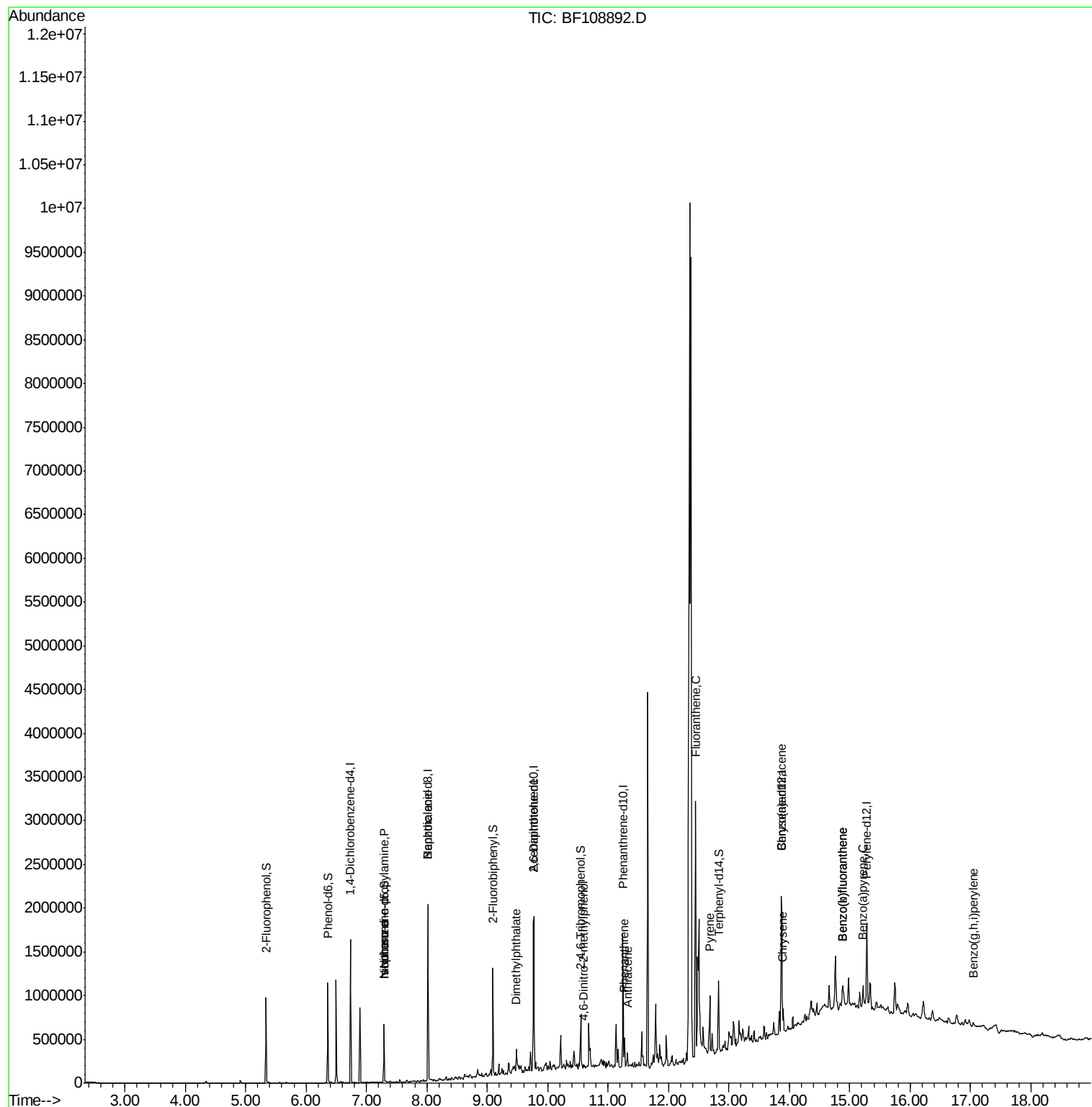
						Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	26746	2.330	ng	# 78
25) Isophorone	7.29	82	188469	7.446	ng	# 64
32) Benzoic acid	8.02	122	108	4.033	ng	# 1
49) Dimethylphthalate	9.48	163	84770	3.519	ng	# 98
50) 2,6-Dinitrotoluene	9.77	165	45733	9.962	ng	# 26
64) 4,6-Dinitro-2-methylphenol	10.60	198	448	7.049	ng	# 1
70) Phenanthrene	11.27	178	126111	4.888	ng	99
71) Anthracene	11.32	178	50512	2.045	ng	98
74) Fluoranthene	12.45	202	188464	7.378	ng	97
77) Pyrene	12.68	202	249317	6.364	ng	100
80) Benzo(a)anthracene	13.87	228	125871	3.857	ng	93
82) Chrysene	13.90	228	129477	4.099	ng	97
87) Benzo(b)fluoranthene	14.88	252	184480	7.610	ng	# 91
88) Benzo(k)fluoranthene	14.88	252	184480	8.264	ng	94
89) Benzo(a)pyrene	15.22	252	108796	4.974	ng	# 93
91) Benzo(g,h,i)perylene	17.05	276	50221	2.602	ng	# 92

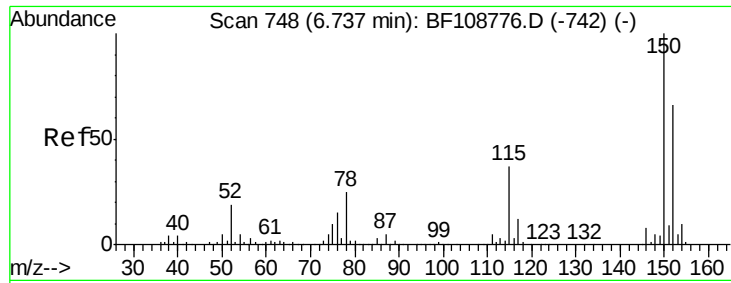
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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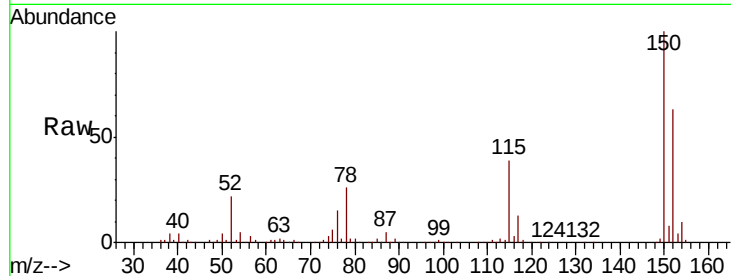


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Instrument :
BNA_E
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.6	186.8
115	61.8	50.1	75.1

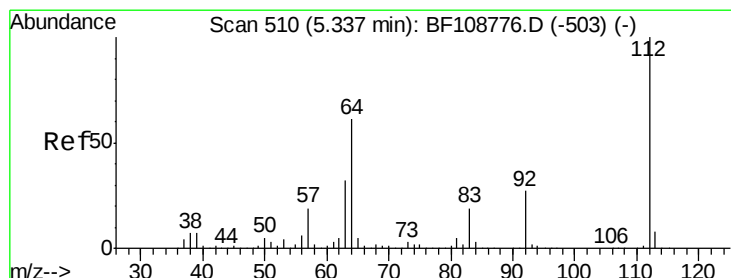
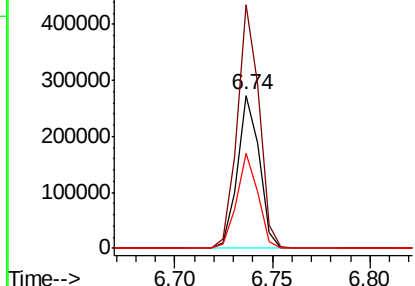
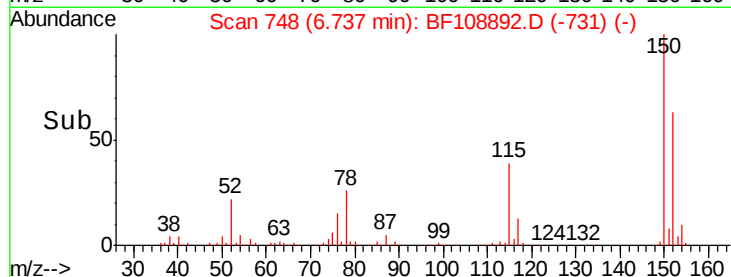


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

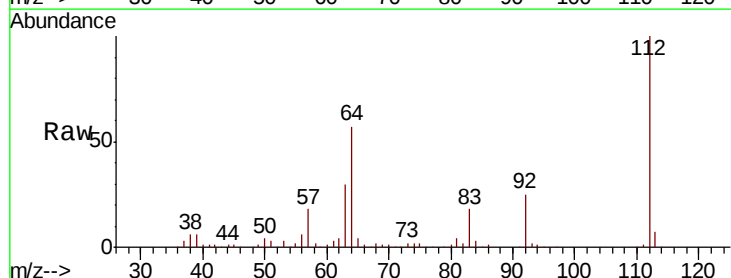
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 19.964 ng
RT: 5.34 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.9	71.9
63	29.6	23.7	35.5

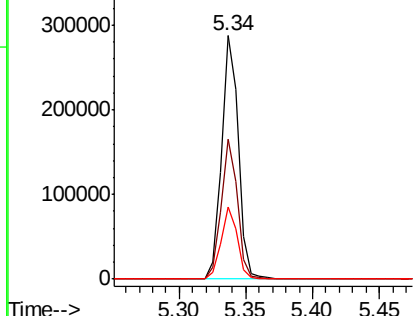
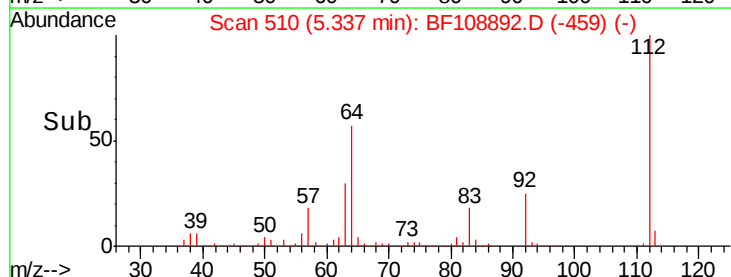


Abundance

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: 19.955 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF108892.D

Acq: 10 Sep 2018 14:56

Instrument :

BNA_E

ClientSampleId :

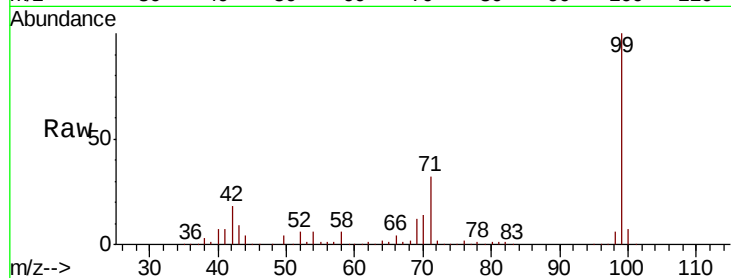
Tot Ion: 99 Resp: 329550

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

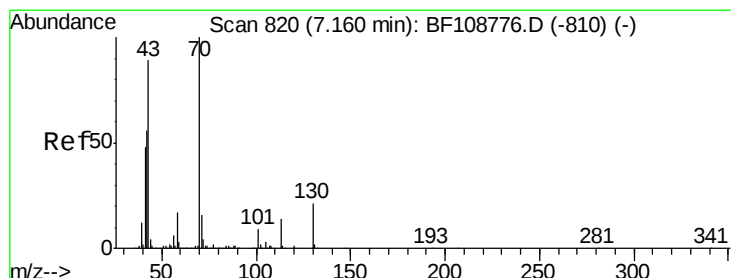
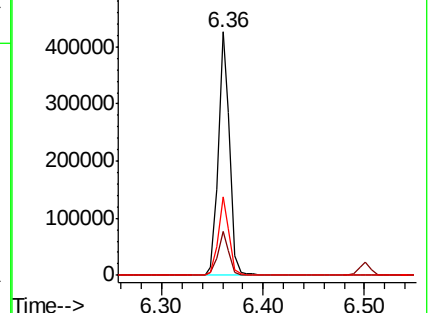
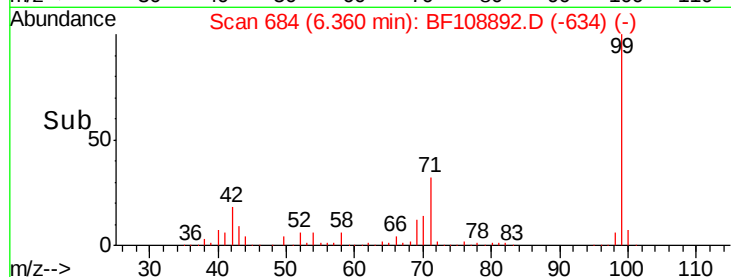
71 32.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 2.330 ng

RT: 7.29 min Scan# 842

Delta R.T. 0.13 min

Lab File: BF108892.D

Acq: 10 Sep 2018 14:56

Tgt Ion: 70 Resp: 26746

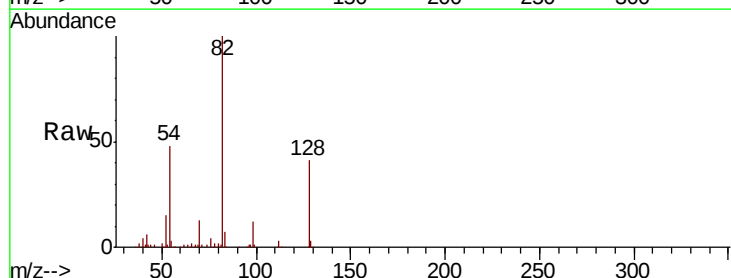
Ion Ratio Lower Upper

70 100

42 48.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

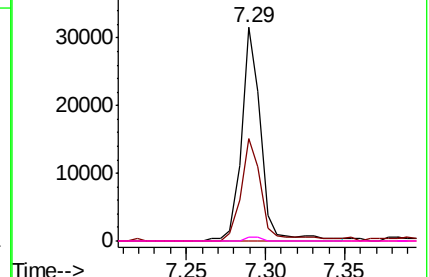
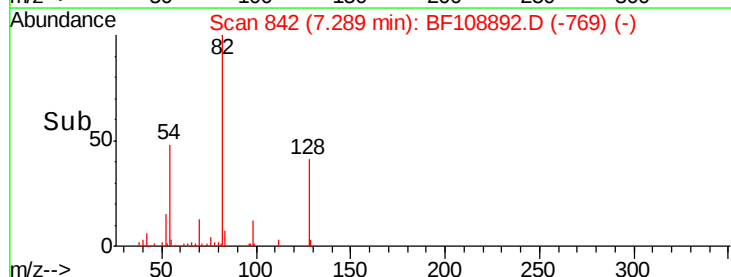


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

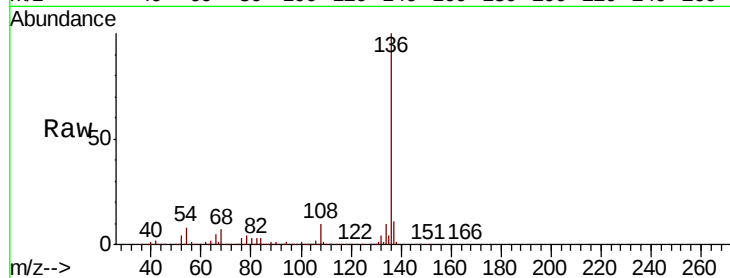




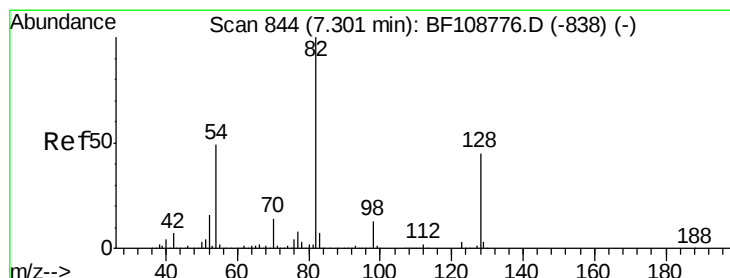
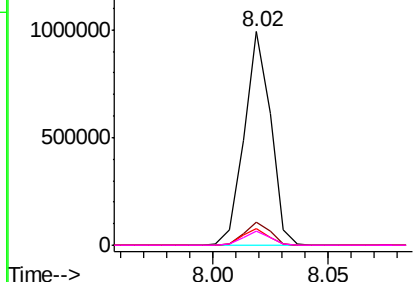
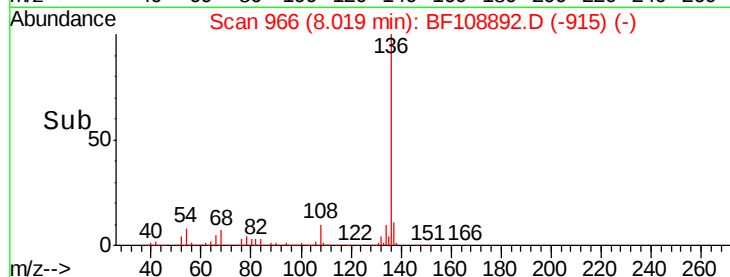
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Instrument :
BNA_E
ClientSampleId :

Tot Ion:136	Resp:	794104
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	7.8	6.6 9.8
68	6.6	5.0 7.4

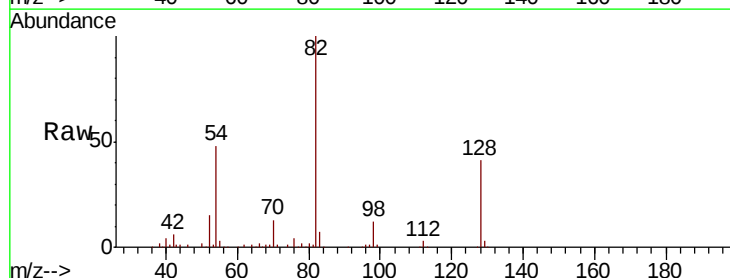


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

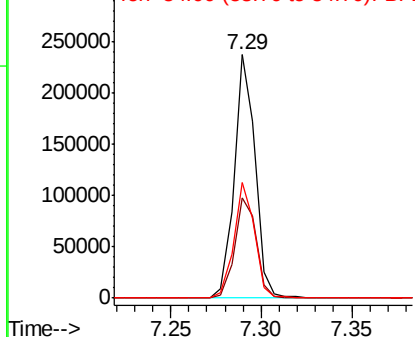
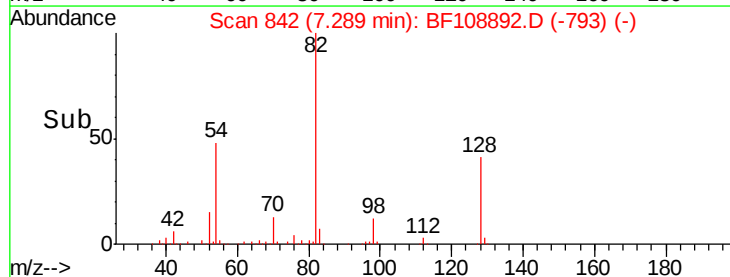


#23
Nitrobenzene-d5
Concen: 15.006 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Tgt Ion: 82	Resp:	190415
Ion Ratio	Lower	Upper
82	100	
128	41.4	36.1 54.1
54	47.6	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

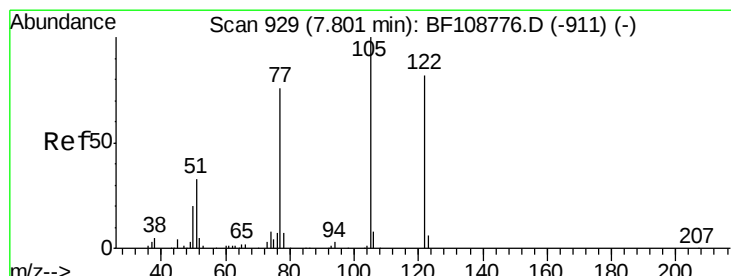
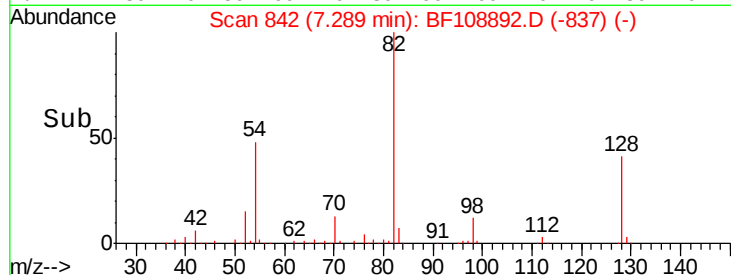
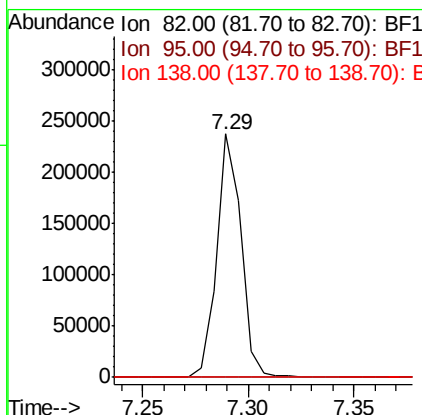
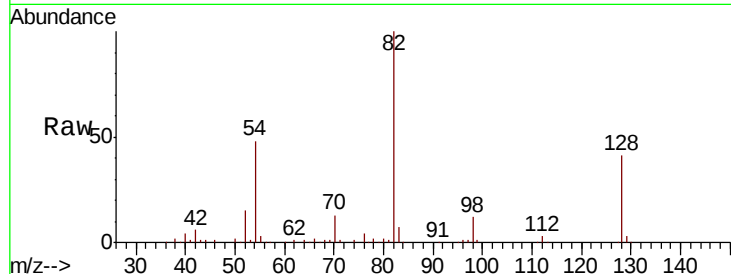




#25
Isophorone
Concen: 7.446 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.27 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

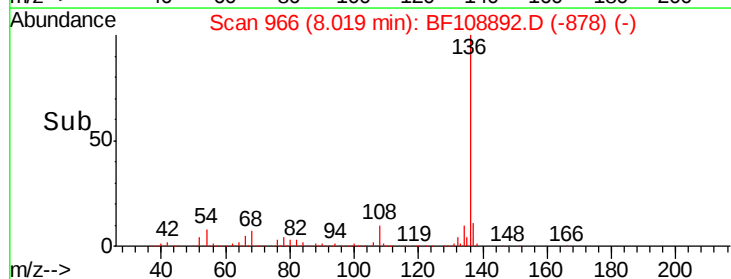
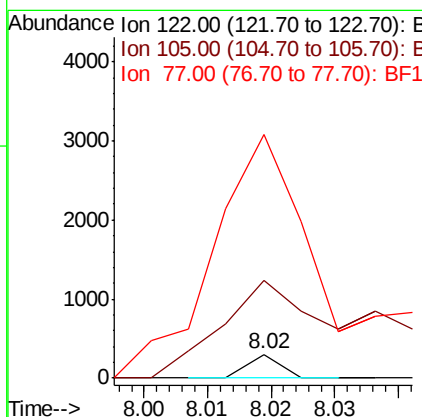
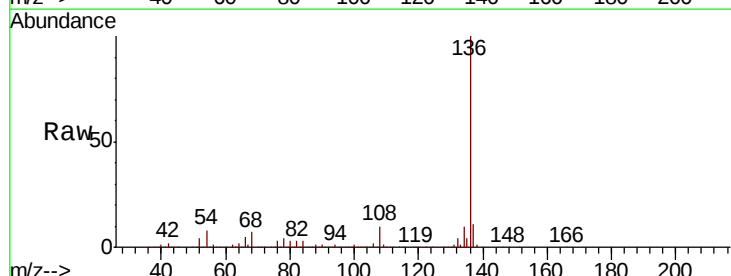
Instrument :
BNA_E
ClientSampleId :

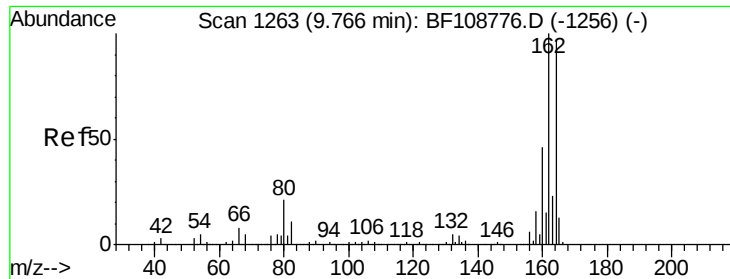
Tot Ion: 82 Resp: 188469
Ion Ratio Lower Upper
82 100
95 0.2 5.2 7.8#
138 0.0 14.9 22.3#



#32
Benzoic acid
Concen: 4.033 ng
RT: 8.02 min Scan# 966
Delta R.T. 0.22 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Tgt Ion:122 Resp: 108
Ion Ratio Lower Upper
122 100
105 405.2 101.1 141.1#
77 1009.5 70.7 110.7#

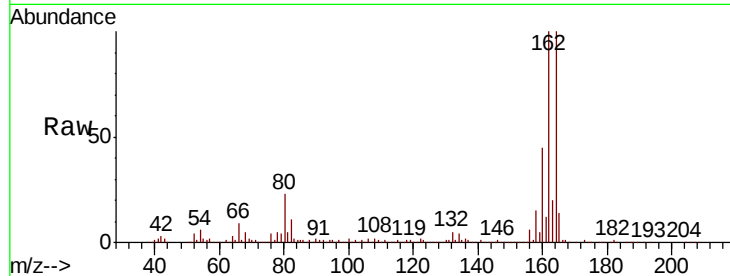




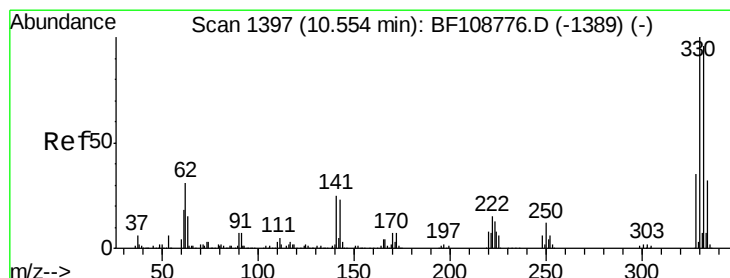
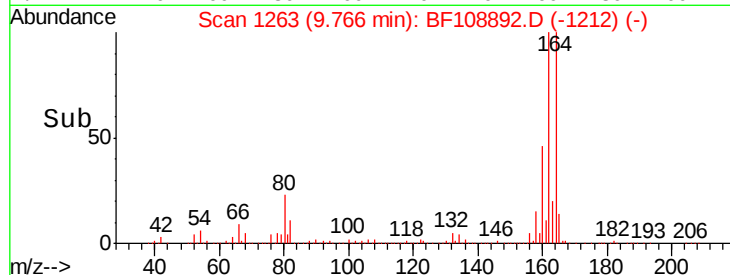
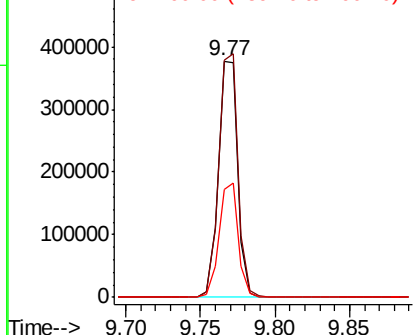
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 344450
Ion Ratio Lower Upper
164 100
162 100.1 86.1 129.1
160 45.5 38.3 57.5

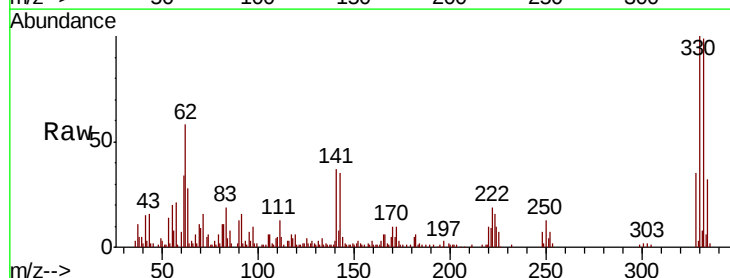


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

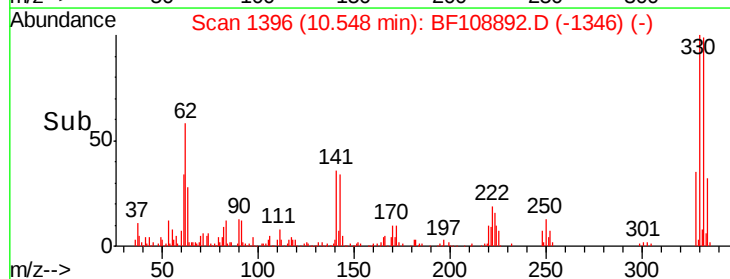
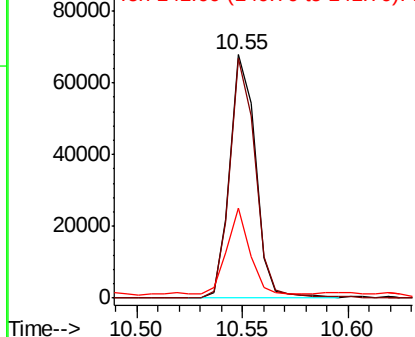


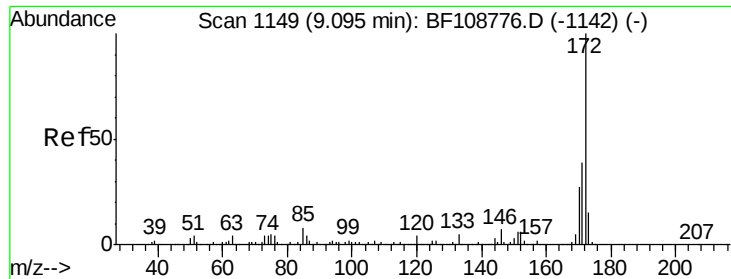
#41
2,4,6-Tribromophenol
Concen: 17.377 ng
RT: 10.55 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Tgt Ion:330 Resp: 57142
Ion Ratio Lower Upper
330 100
332 97.6 77.0 115.6
141 35.1 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

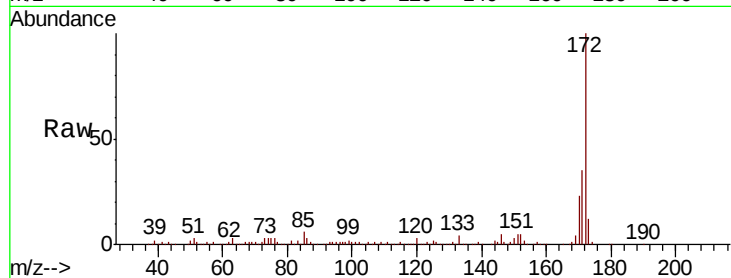




#44
2-Fluorobiphenyl
Concen: 18.241 ng
RT: 9.10 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	23.2	19.6	29.4

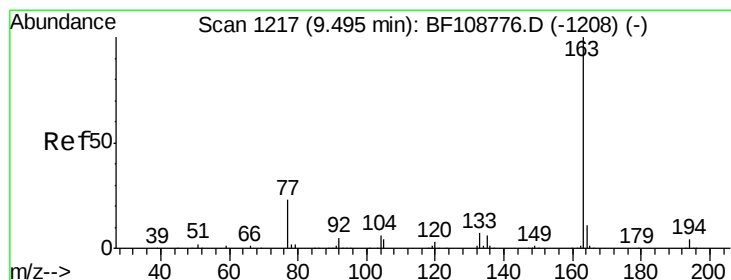
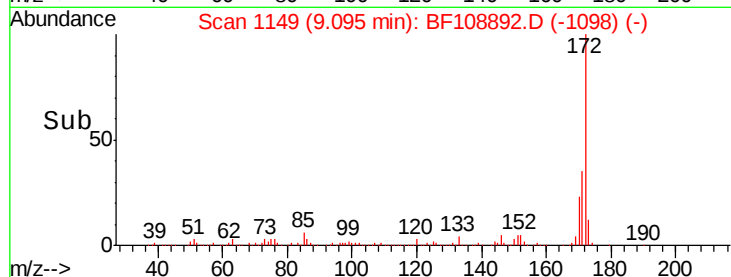
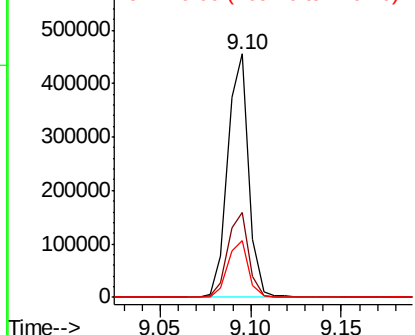


Abundance

Ion 172.00 (171.70 to 172.70): E

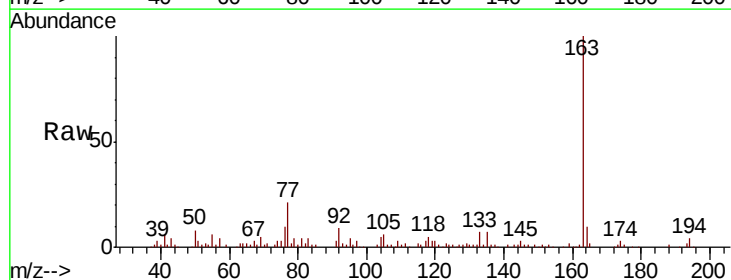
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Dimethylphthalate
Concen: 3.519 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

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

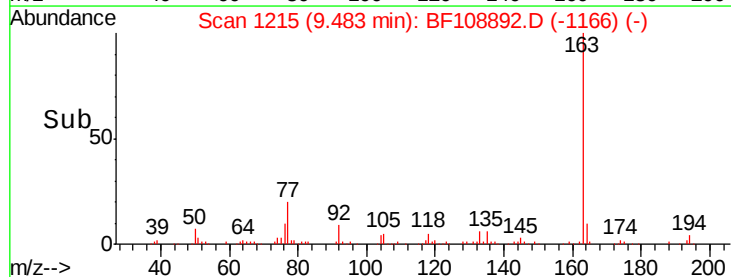
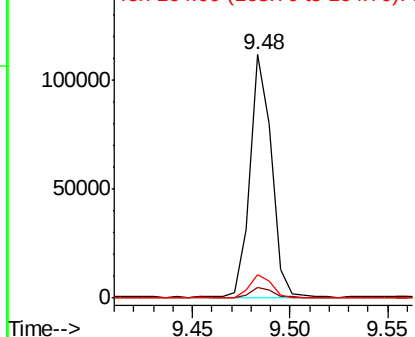


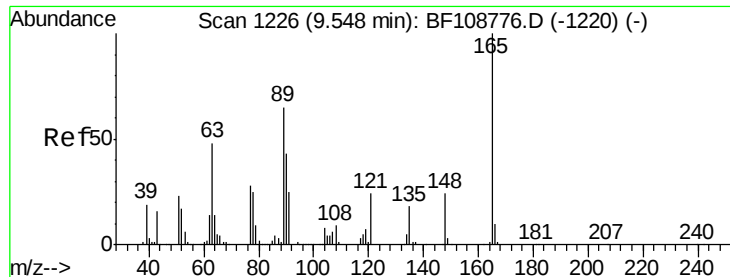
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

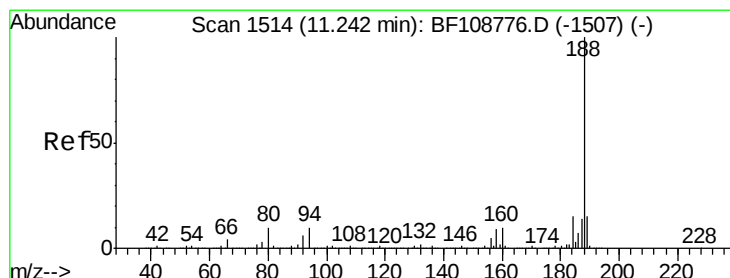
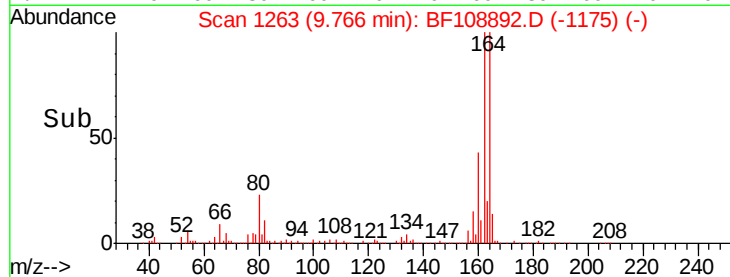
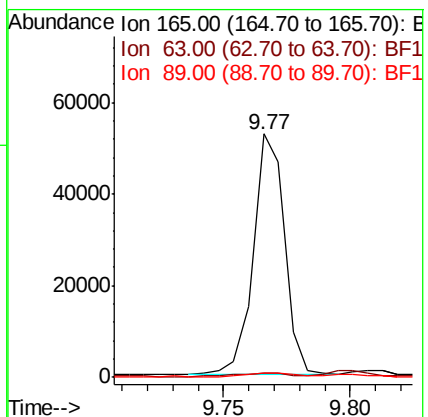
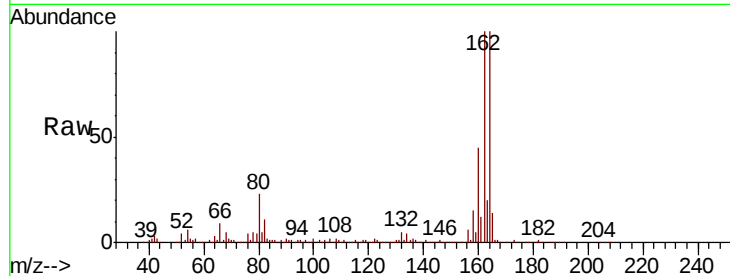




#50
 2,6-Dinitrotoluene
 Concen: 9.962 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. 0.22 min
 Lab File: BF108892.D
 Acq: 10 Sep 2018 14:56

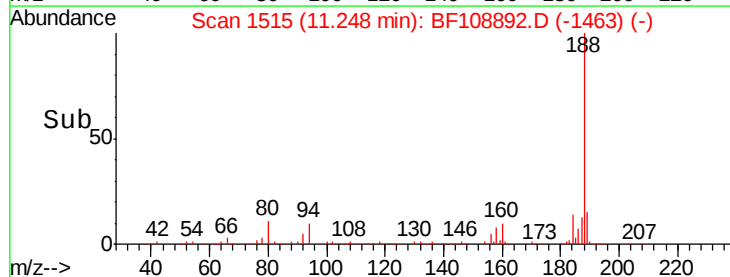
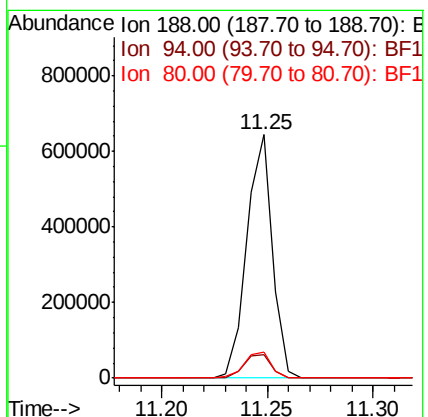
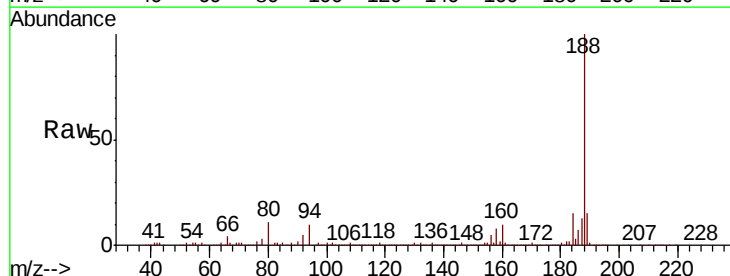
Instrument :
 BNA_E
 ClientSampleId :

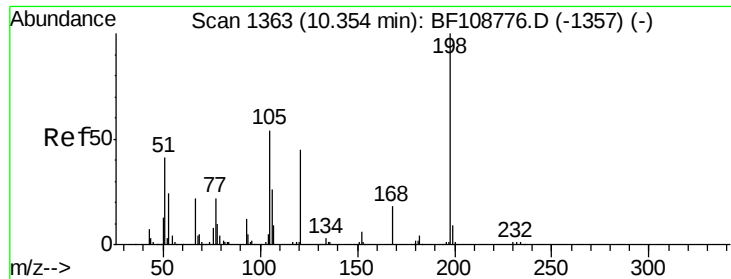
Tot Ion:165 Resp: 45733
 Ion Ratio Lower Upper
 165 100
 63 1.6 44.7 67.1#
 89 1.6 44.0 66.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1515
 Delta R.T. 0.01 min
 Lab File: BF108892.D
 Acq: 10 Sep 2018 14:56

Tgt Ion:188 Resp: 540285
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.5 12.7
 80 10.8 9.2 13.8

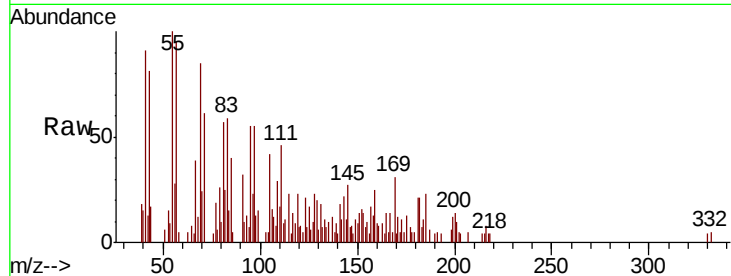




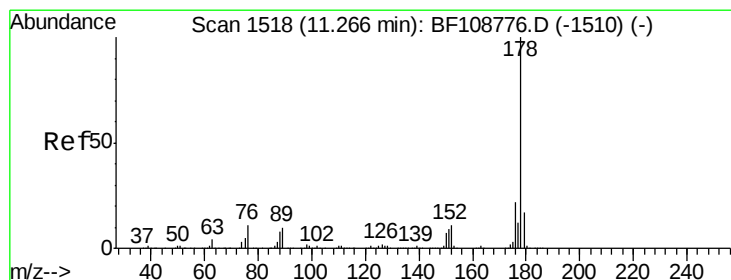
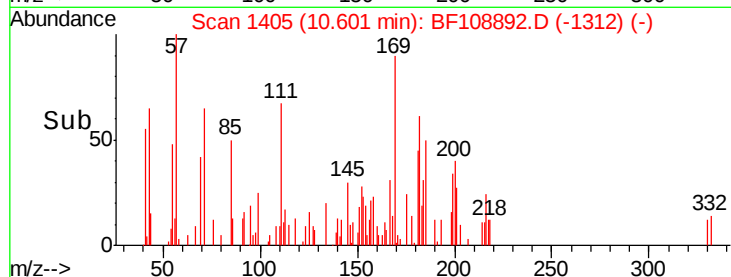
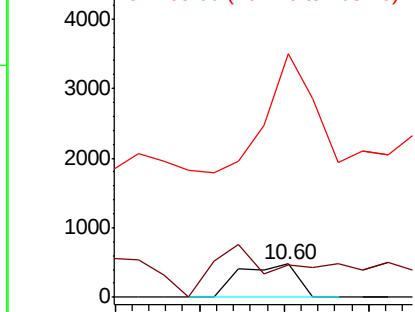
#64
4,6-Dinitro-2-methylphenol
Concen: 7.049 ng
RT: 10.60 min Scan# 1405
Delta R.T. 0.25 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Instrument :
BNA_E
ClientSampled :

Tot Ion:198 Resp: 448
Ion Ratio Lower Upper
198 100
51 98.8 37.7 77.7#
105 728.5 36.3 76.3#

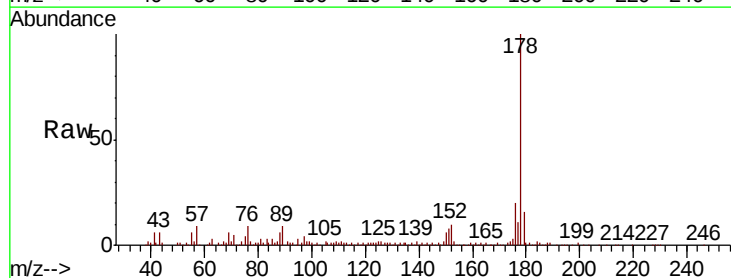


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

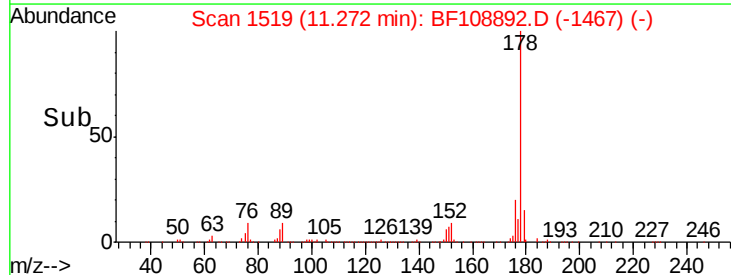
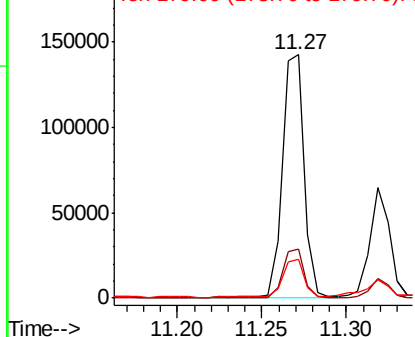


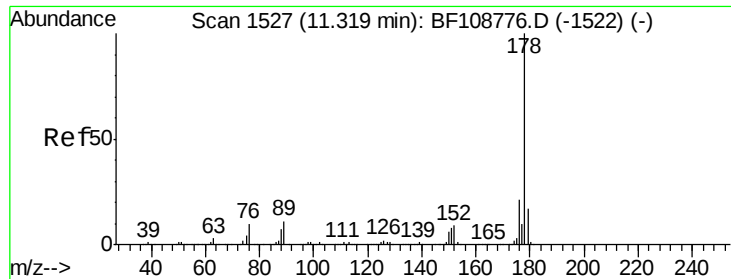
#70
Phenanthrene
Concen: 4.888 ng
RT: 11.27 min Scan# 1519
Delta R.T. 0.01 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Tgt Ion:178 Resp: 126111
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.7 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

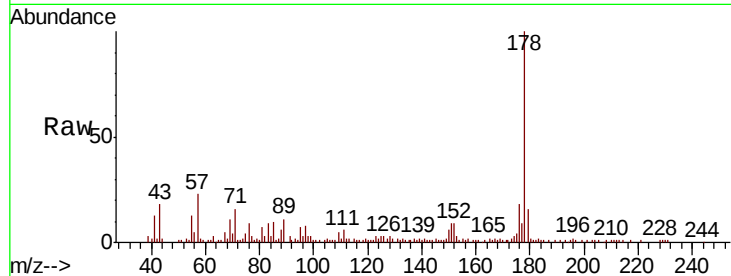




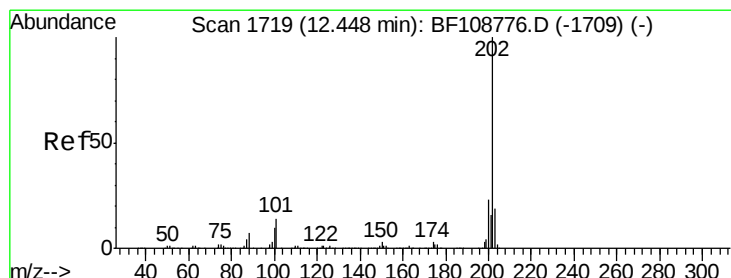
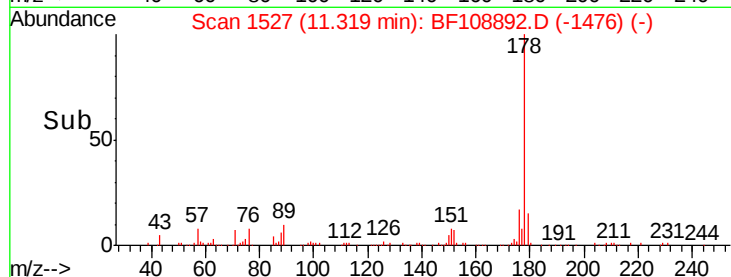
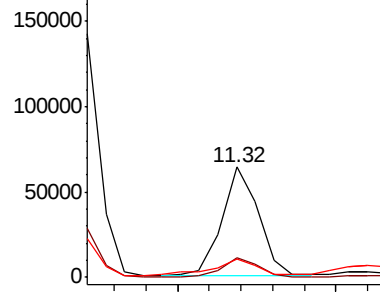
#71
 Anthracene
 Concen: 2.045 ng
 RT: 11.32 min Scan# 1527
 Delta R.T. -0.00 min
 Lab File: BF108892.D
 Acq: 10 Sep 2018 14:56

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:178 Resp: 50512
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.4 23.2
 179 16.2 12.6 19.0

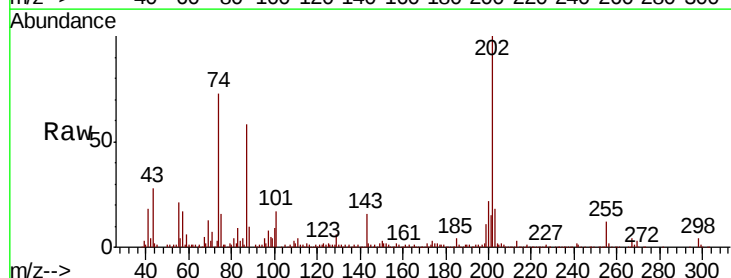


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

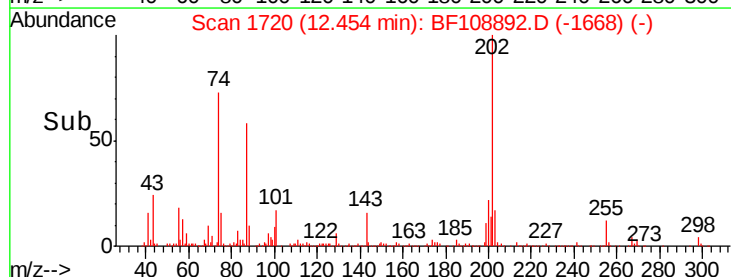
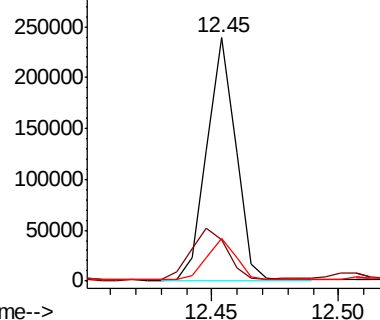


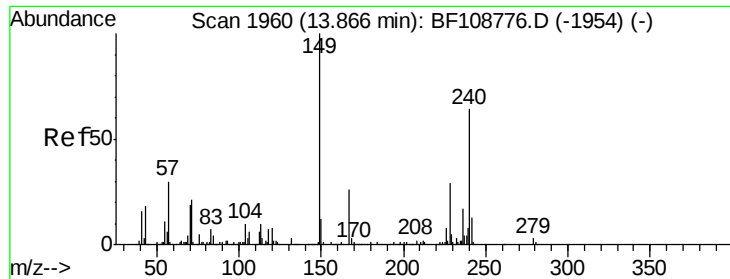
#74
 Fluoranthene
 Concen: 7.378 ng
 RT: 12.45 min Scan# 1720
 Delta R.T. 0.01 min
 Lab File: BF108892.D
 Acq: 10 Sep 2018 14:56

Tgt Ion:202 Resp: 188464
 Ion Ratio Lower Upper
 202 100
 101 16.8 0.0 34.1
 203 17.7 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

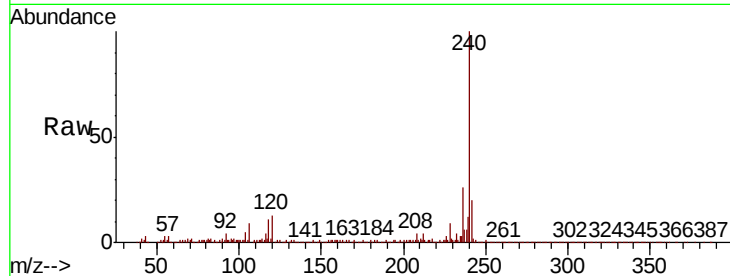




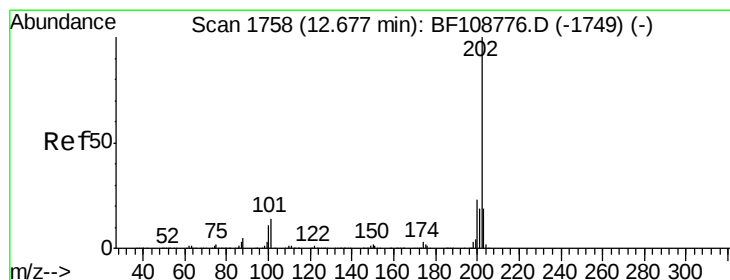
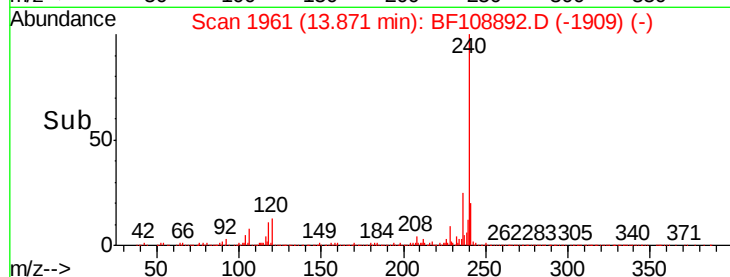
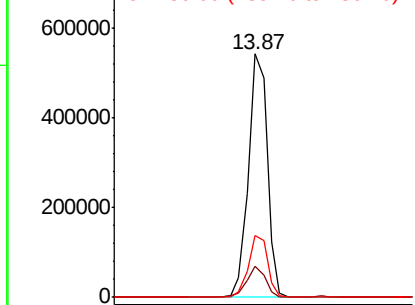
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 1961
Delta R.T. 0.01 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 509122
Ion Ratio Lower Upper
240 100
120 13.0 9.5 14.3
236 25.6 20.7 31.1

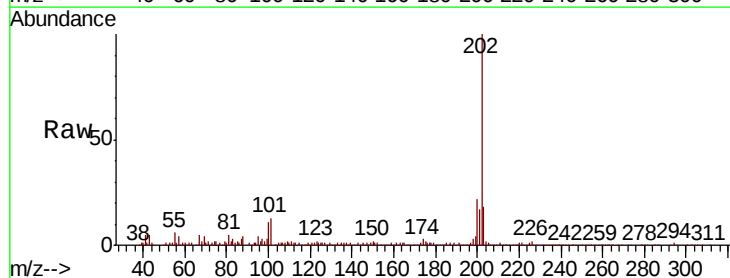


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

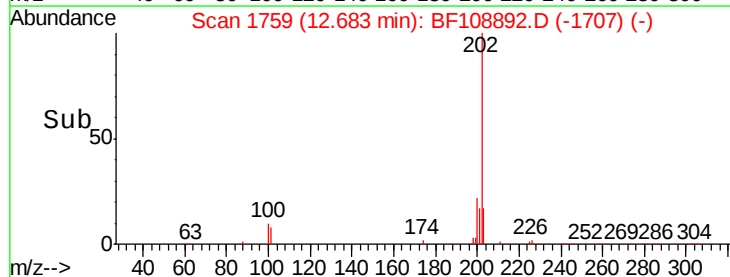
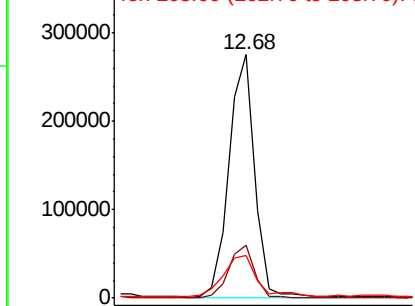


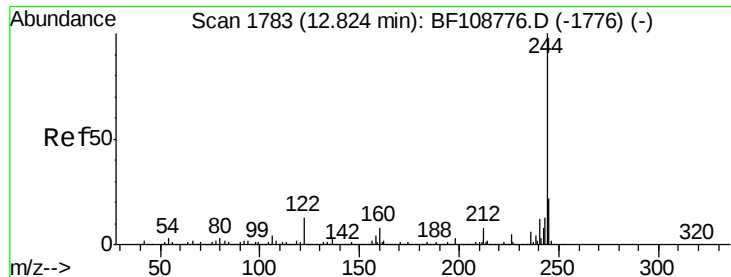
#77
Pyrene
Concen: 6.364 ng
RT: 12.68 min Scan# 1759
Delta R.T. 0.01 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Tgt Ion:202 Resp: 249317
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.2
203 17.8 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

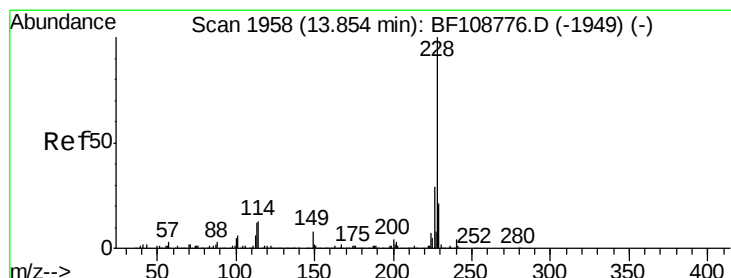
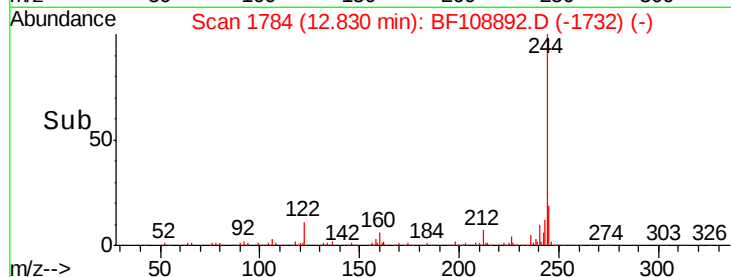
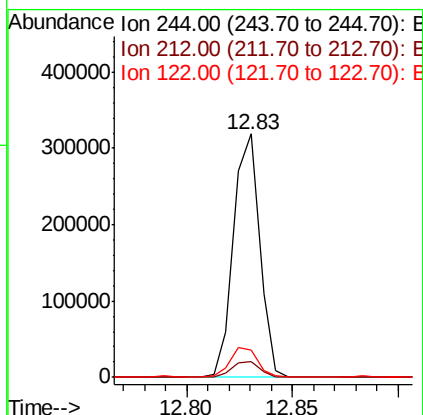
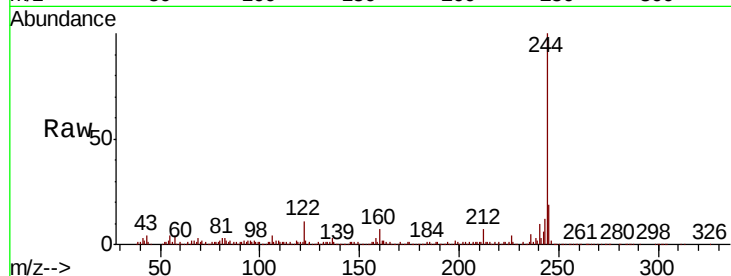




#78
 Terphenyl-d14
 Concen: 12.469 ng
 RT: 12.83 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BF108892.D
 Acq: 10 Sep 2018 14:56

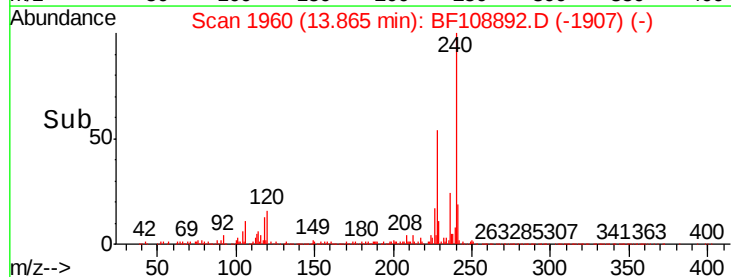
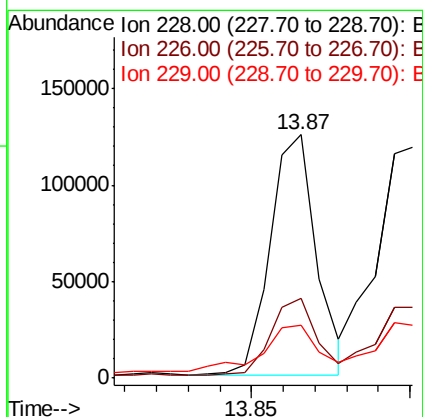
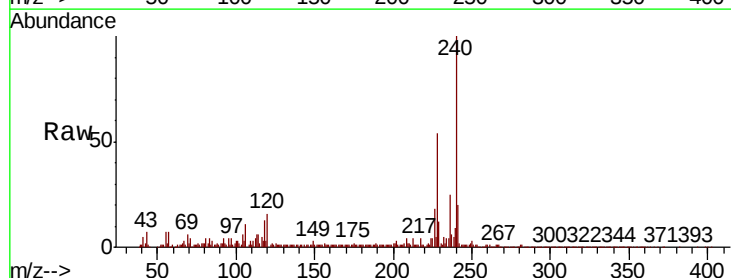
Instrument :
 BNA_E
 ClientSampleId :

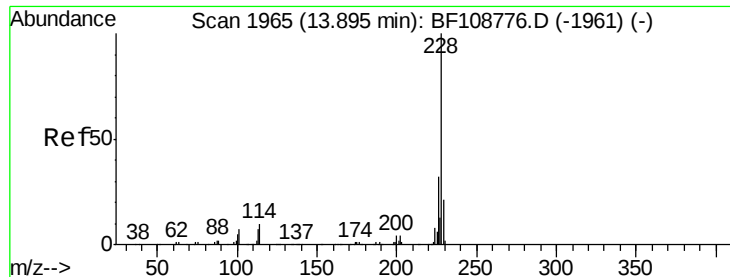
Tot Ion:244 Resp: 272243
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 11.1 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 3.857 ng
 RT: 13.87 min Scan# 1960
 Delta R.T. 0.01 min
 Lab File: BF108892.D
 Acq: 10 Sep 2018 14:56

Tgt Ion:228 Resp: 125871
 Ion Ratio Lower Upper
 228 100
 226 32.7 22.6 33.8
 229 21.6 15.8 23.6





#82

Chrysene

Concen: 4.099 ng

RT: 13.90 min Scan# 1966

Delta R.T. 0.01 min

Lab File: BF108892.D

Acq: 10 Sep 2018 14:56

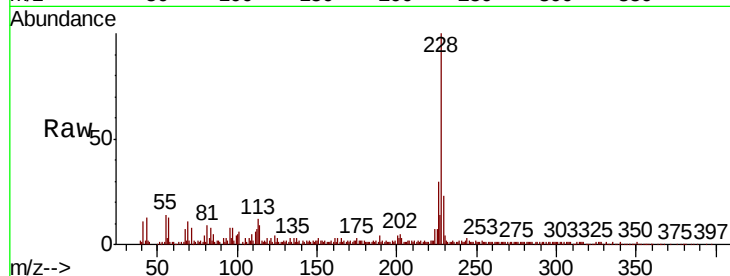
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 129477

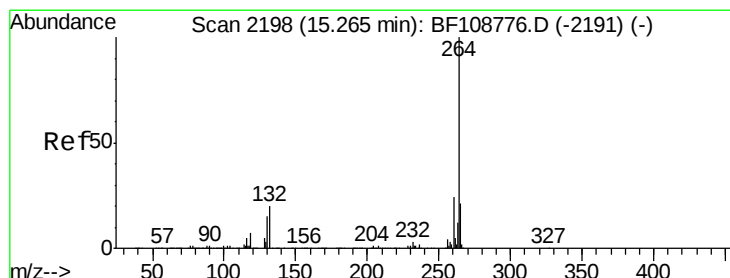
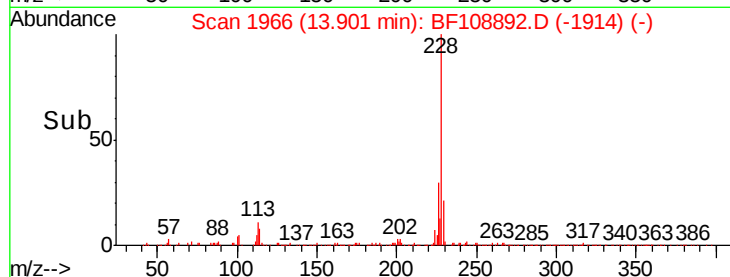
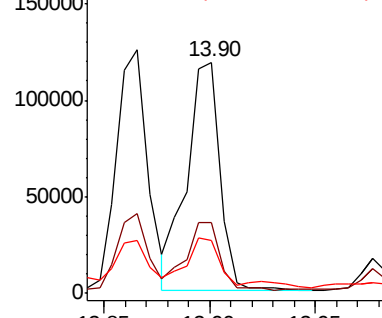
Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	22.8	16.2	24.4



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: 15.28 min Scan# 2201

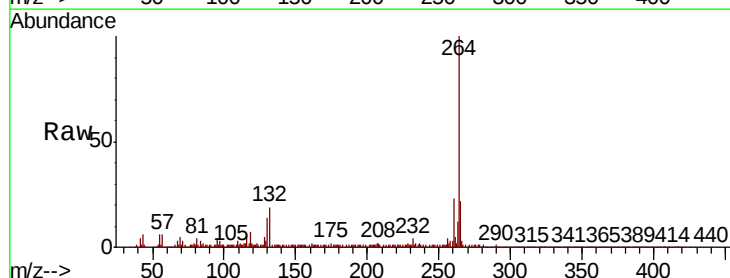
Delta R.T. 0.02 min

Lab File: BF108892.D

Acq: 10 Sep 2018 14:56

Tgt Ion:264 Resp: 445817

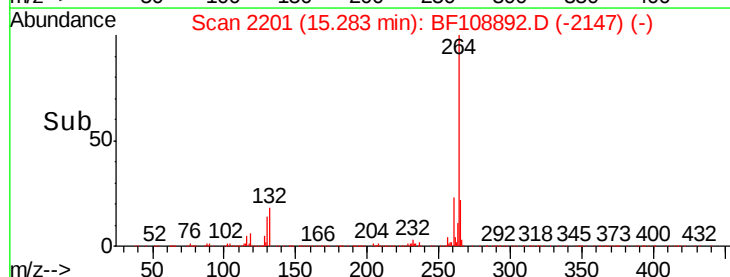
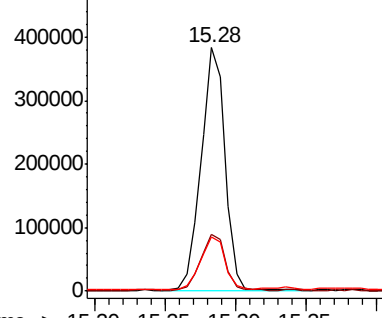
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.4	17.5	26.3

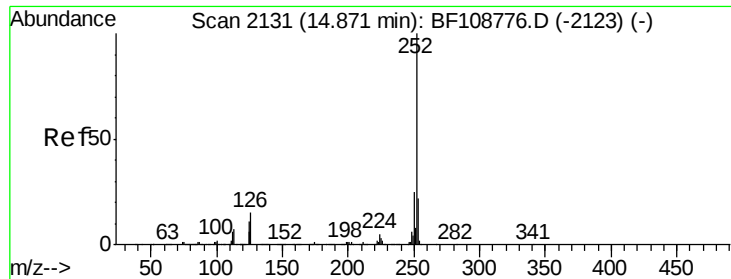


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

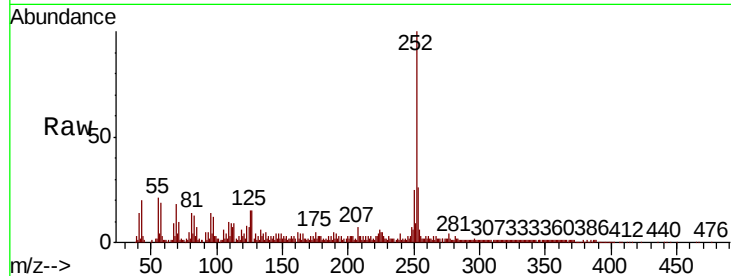




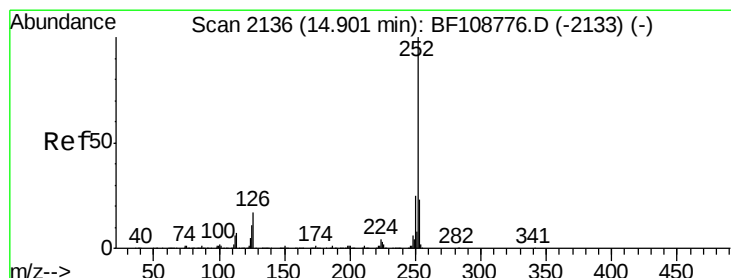
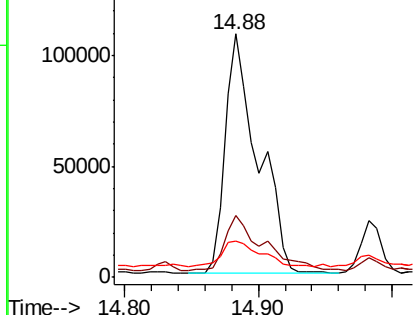
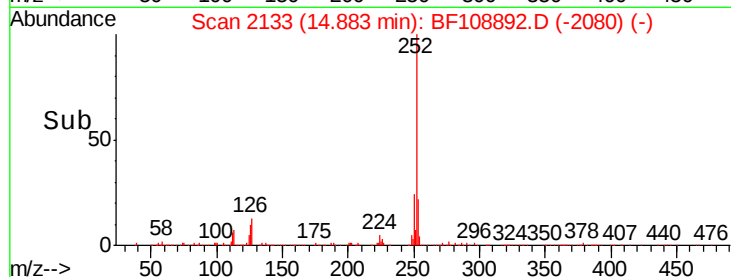
#87
Benzo(b)fluoranthene
Concen: 7.610 ng
RT: 14.88 min Scan# 2133
Delta R.T. 0.01 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 184480
Ion Ratio Lower Upper
252 100
253 25.7 17.0 25.6#
125 14.8 9.0 13.6#

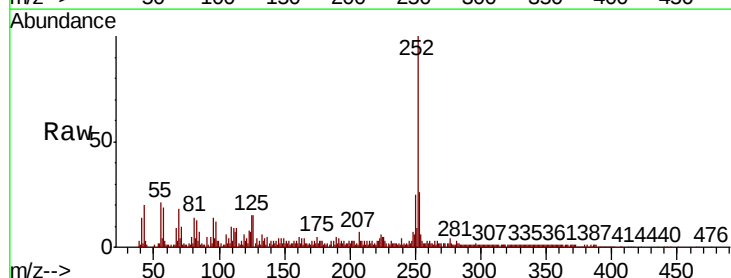


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

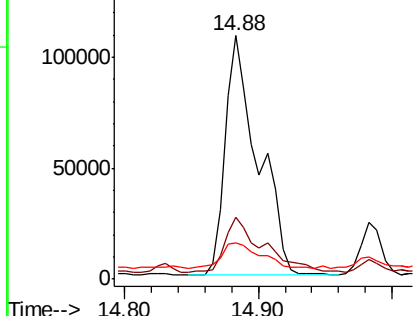
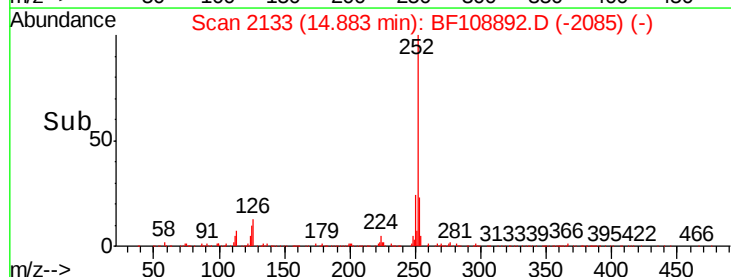


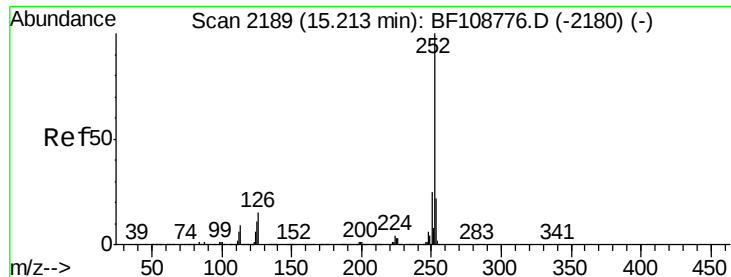
#88
Benzo(k)fluoranthene
Concen: 8.264 ng
RT: 14.88 min Scan# 2133
Delta R.T. -0.02 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Tgt Ion:252 Resp: 184480
Ion Ratio Lower Upper
252 100
253 25.7 17.9 26.9
125 14.8 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

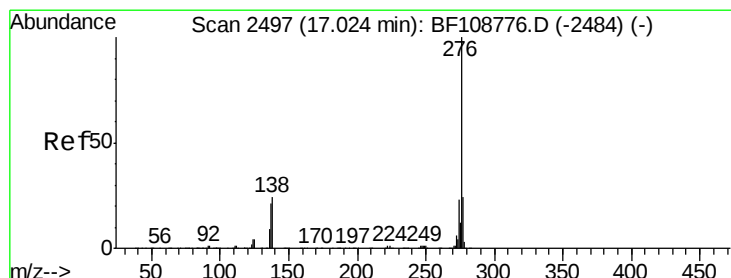
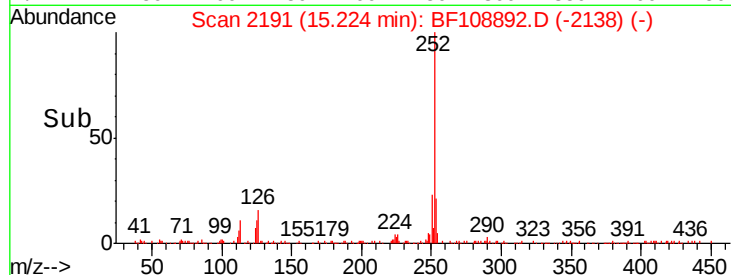
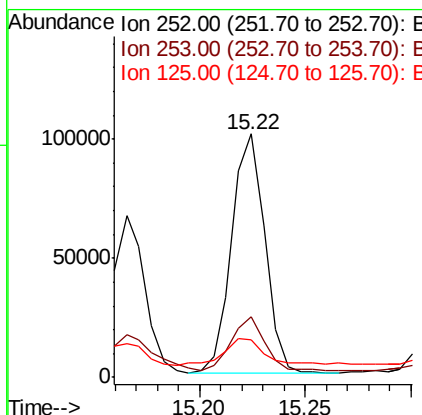
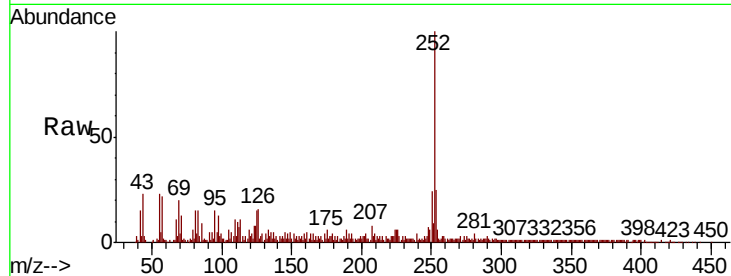




#89
Benzo(a)pyrene
Concen: 4.974 ng
RT: 15.22 min Scan# 2191
Delta R.T. 0.01 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.1	25.7
125	15.2	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 2.602 ng
RT: 17.05 min Scan# 2501
Delta R.T. 0.02 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.9	17.9	26.9
138	29.4	21.8	32.8

