

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
 Data File : BF102896.D
 Acq On : 9 Feb 2018 18:38
 Operator : SJ/JU
 Sample : J1499-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 09 22:08:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

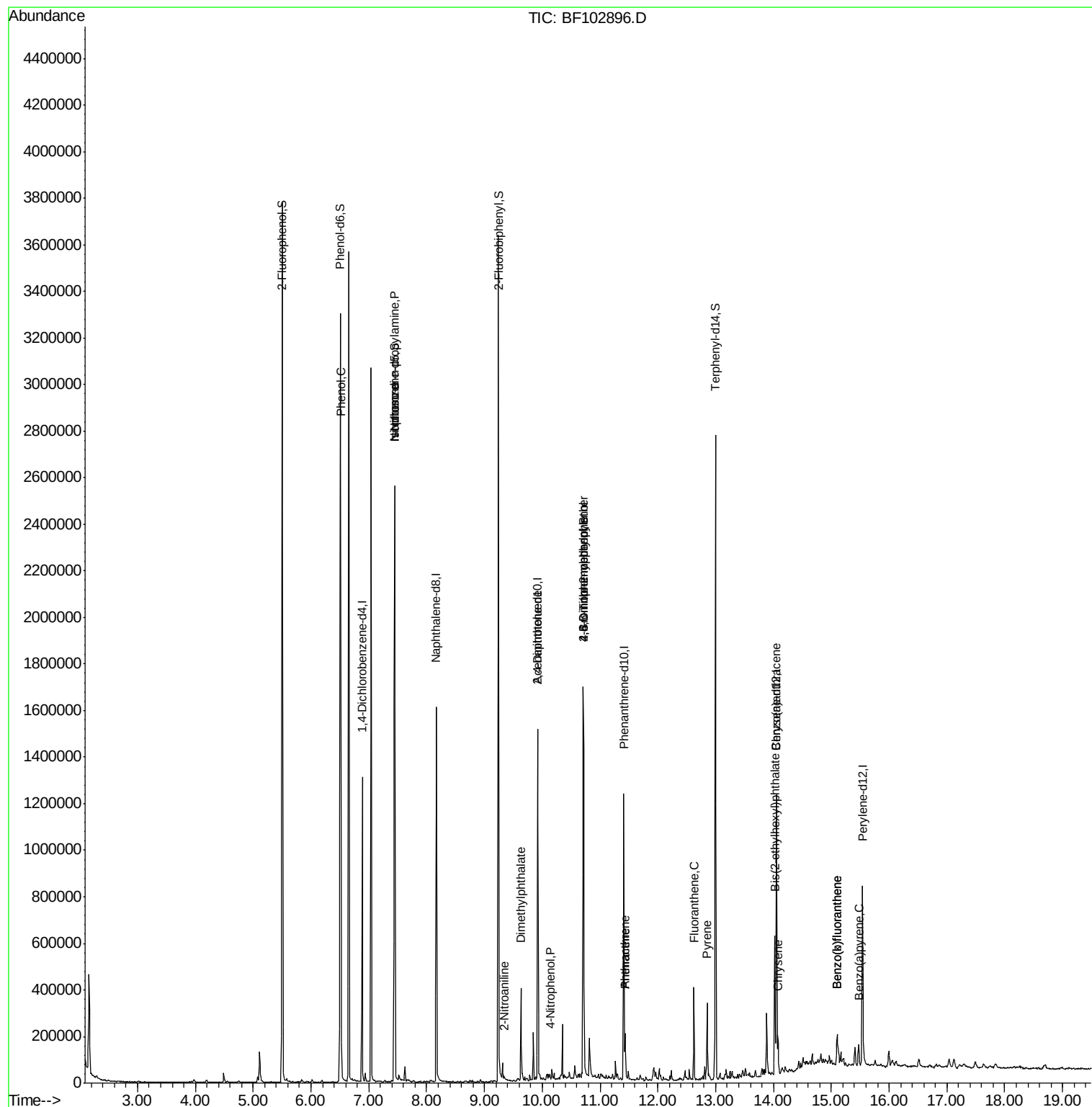
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	175384	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	693861	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	281432	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	425748	20.00	ng	0.00
75) Chrysene-d12	14.05	240	353635	20.00	ng	0.00
86) Perylene-d12	15.54	264	328356	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1020695	88.38	ng	0.01
7) Phenol-d6	6.51	99	1187663	85.41	ng	0.00
23) Nitrobenzene-d5	7.45	82	770324	77.02	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	182867	80.73	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1192809	70.33	ng	0.00
78) Terphenyl-d14	13.00	244	908413	60.82	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.52	94	73474	4.93	ng	92
19) n-Nitroso-di-n-propylamine	7.45	70	107140	11.69	ng	# 86
25) Isophorone	7.45	82	770316	33.45	ng	# 64
47) 2-Nitroaniline	9.34	65	107	3.49	ng	# 2
49) Dimethylphthalate	9.63	163	146348	6.67	ng	99
55) 4-Nitrophenol	10.13	139	1510	4.36	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	35359	8.99	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.71	198	439	9.02	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	13002	2.89	ng	# 1
70) Phenanthrene	11.43	178	58129	2.45	ng	99
71) Anthracene	11.43	178	58129	2.41	ng	99
74) Fluoranthene	12.63	202	153234	6.42	ng	97
77) Pvrene	12.86	202	128272	4.63	ng	98
80) Benzo(a)anthracene	14.04	228	56334	2.53	ng	94
82) Chrysene	14.07	228	55794	2.49	ng	98
83) Bis(2-ethylhexyl)phthalate	14.02	149	136988	8.06	ng	# 99
87) Benzo(b)fluoranthene	15.10	252	96738	4.54	ng	# 94
88) Benzo(k)fluoranthene	15.10	252	96738	4.76	ng	97
89) Benzo(a)pvrene	15.47	252	43367	2.26	ng	# 96

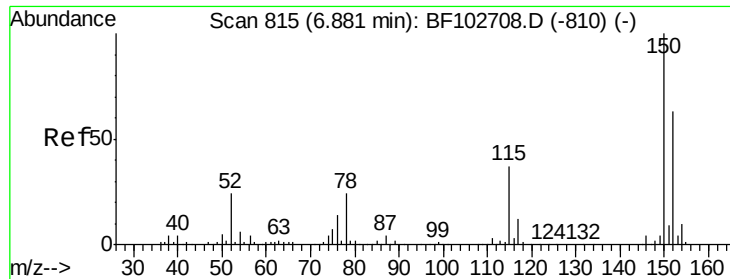
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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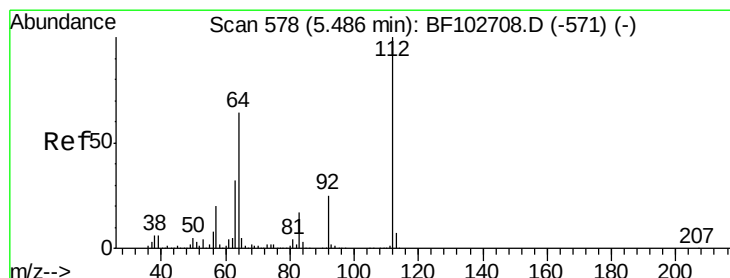
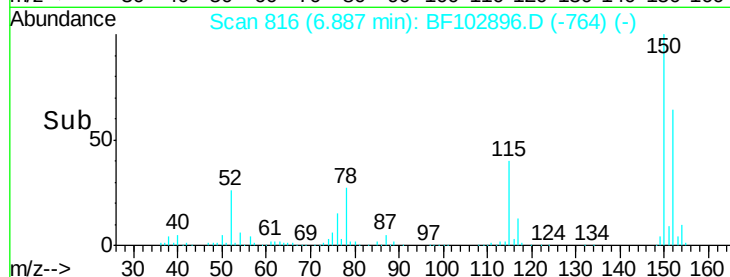
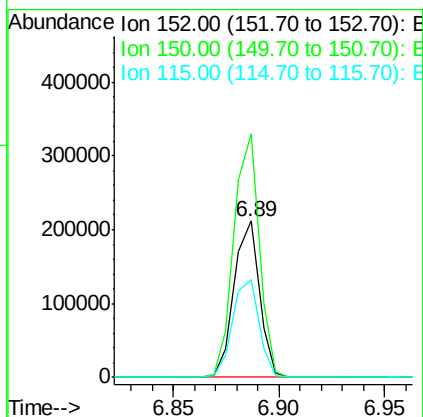
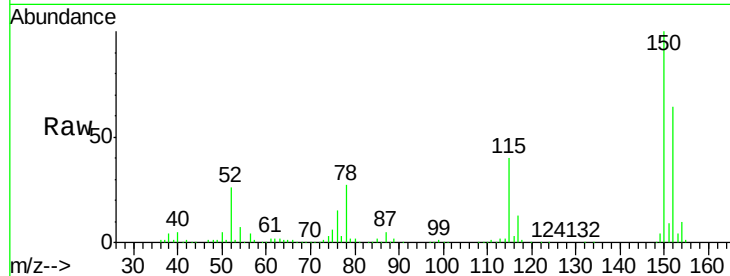


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

Instrument :
BNA_F
ClientSampled :

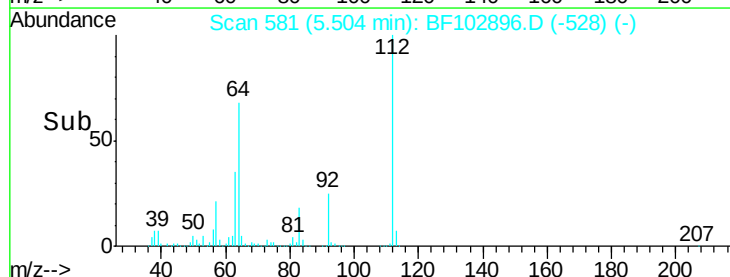
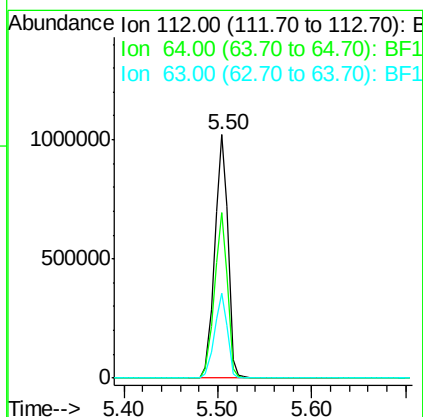
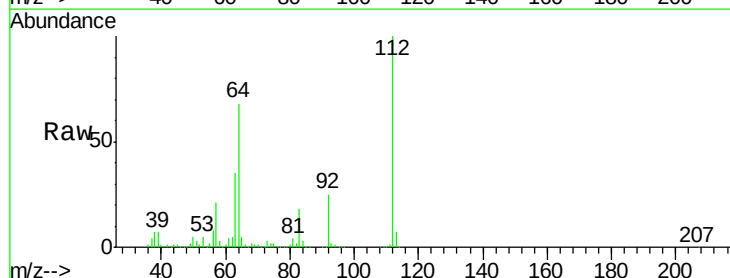
Tot Ion:152 Resp: 175384
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 62.7 50.1 75.1

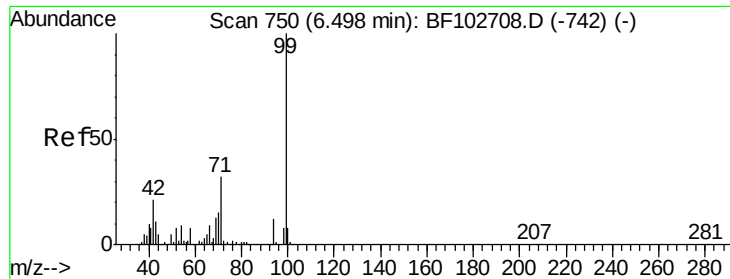


#5

2-Fluorophenol
Concen: 88.38 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

Tgt Ion:112 Resp: 1020695
Ion Ratio Lower Upper
112 100
64 67.8 47.9 71.9
63 34.7 23.7 35.5





#7

Phenol-d6

Concen: 85.41 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102896.D

Acq: 9 Feb 2018 18:38

Instrument :

BNA_F

ClientSampled :

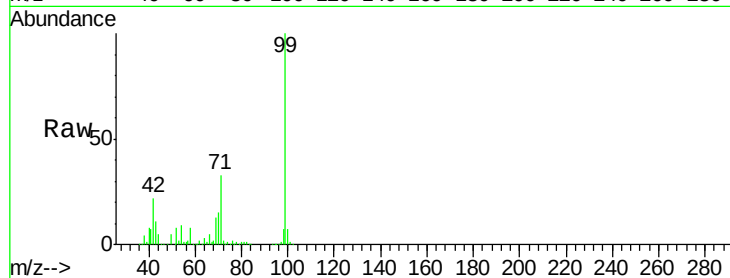
Tot Ion: 99 Resp: 1187663

Ion Ratio Lower Upper

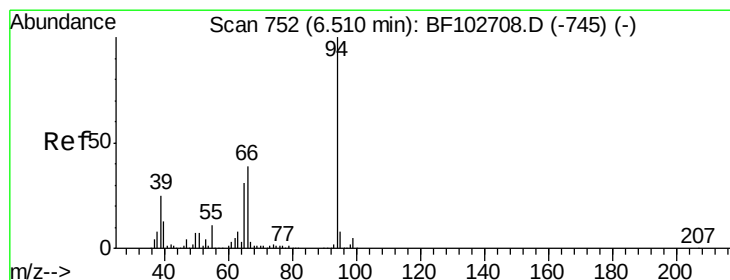
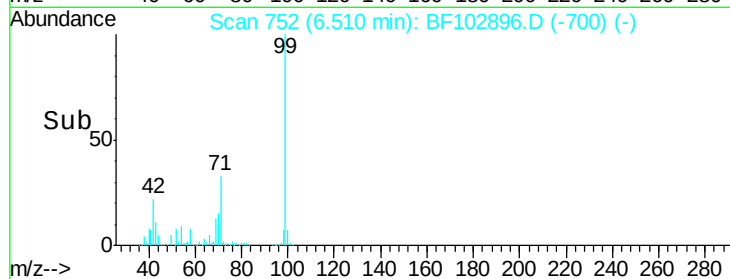
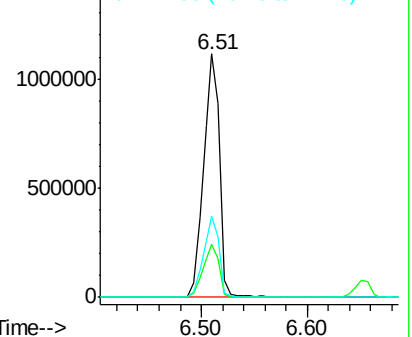
99 100

42 21.6 14.5 21.7

71 33.5 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



#10

Phenol

Concen: 4.93 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF102896.D

Acq: 9 Feb 2018 18:38

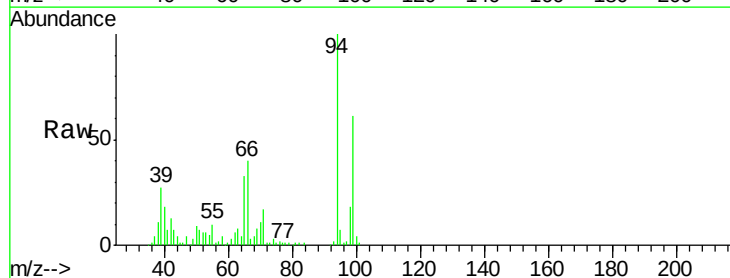
Tgt Ion: 94 Resp: 73474

Ion Ratio Lower Upper

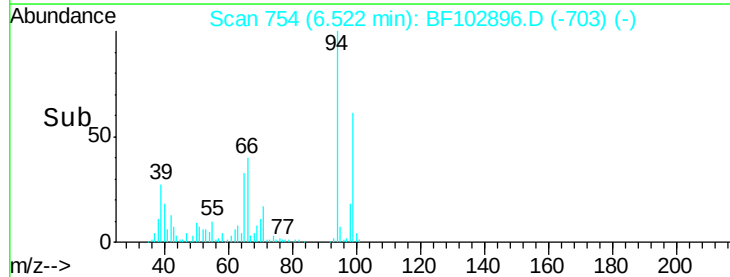
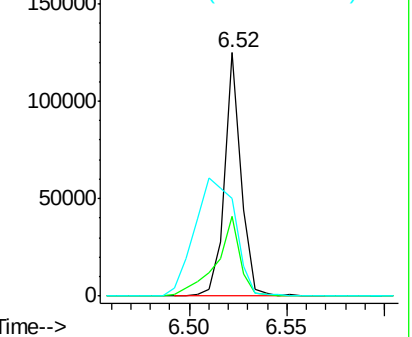
94 100

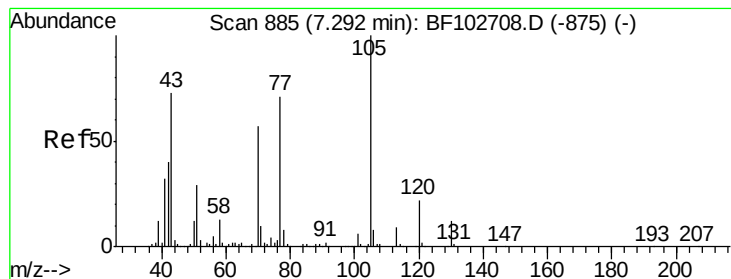
65 32.9 7.9 47.9

66 40.3 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 11.69 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102896.D

Acq: 9 Feb 2018 18:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 107140

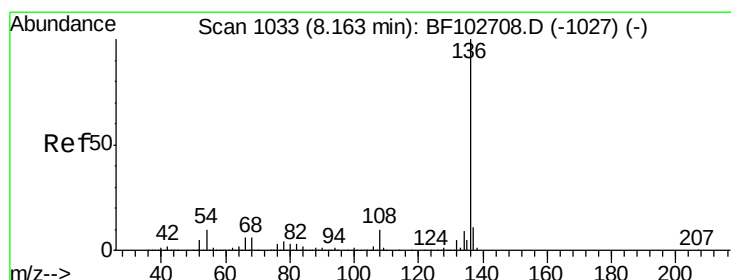
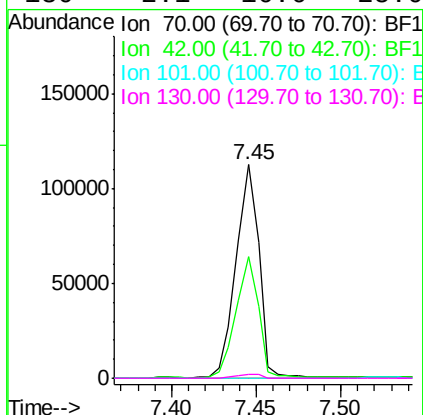
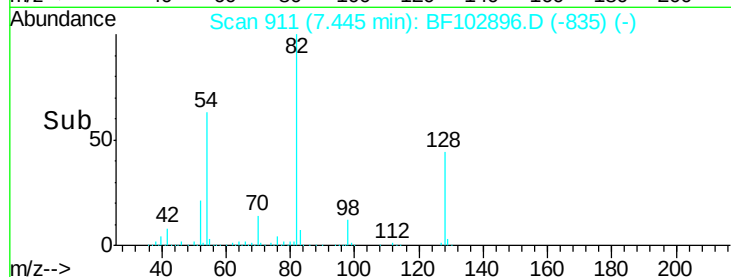
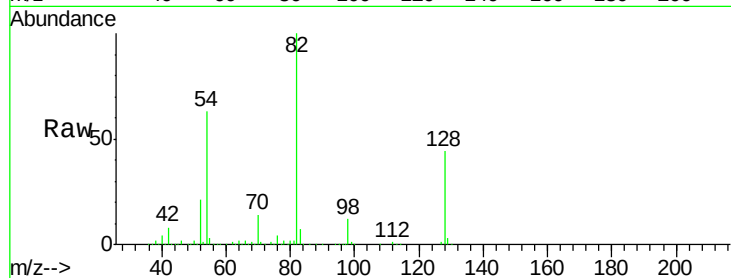
Ion Ratio Lower Upper

70 100

42 57.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF102896.D

Acq: 9 Feb 2018 18:38

Tgt Ion: 136 Resp: 693861

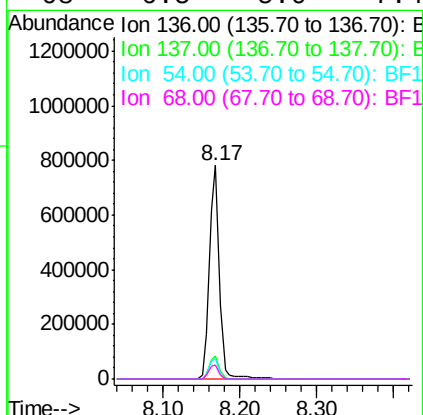
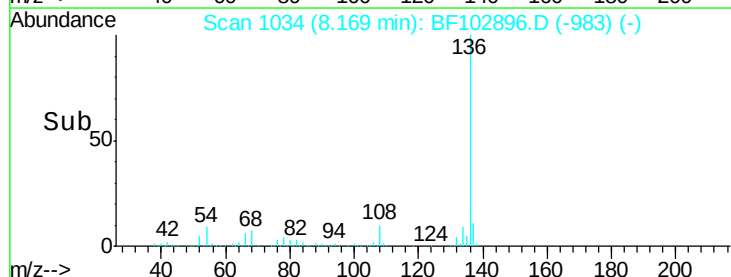
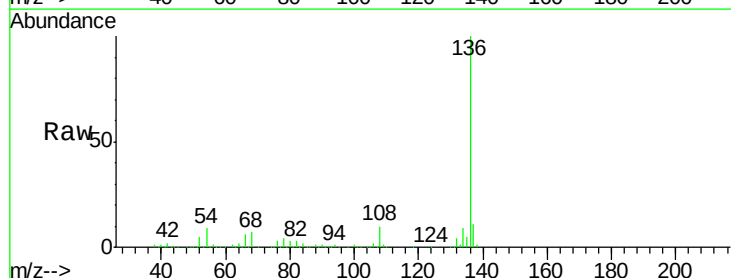
Ion Ratio Lower Upper

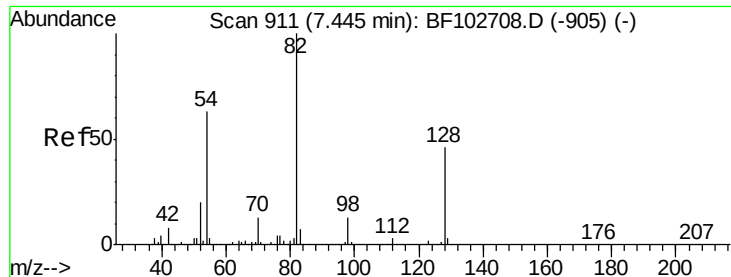
136 100

137 11.0 8.9 13.3

54 9.4 6.6 9.8

68 6.5 5.0 7.4

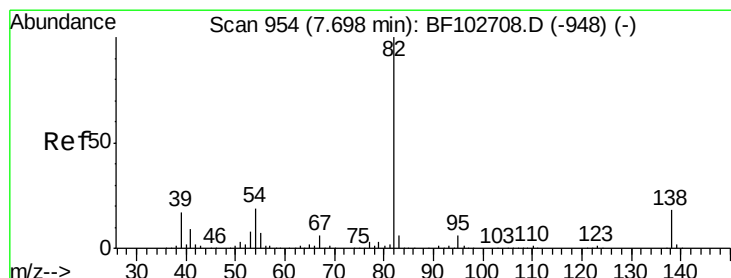
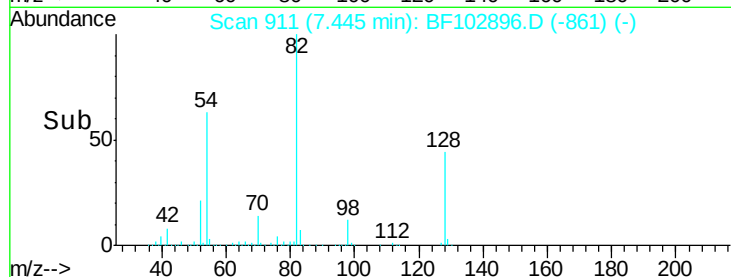
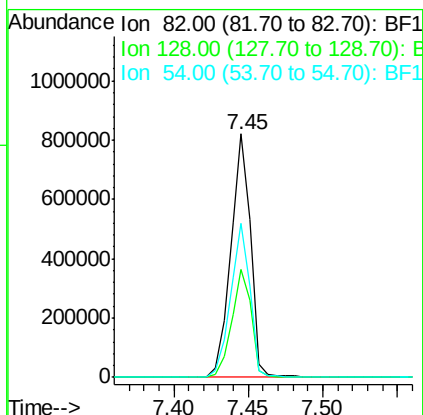
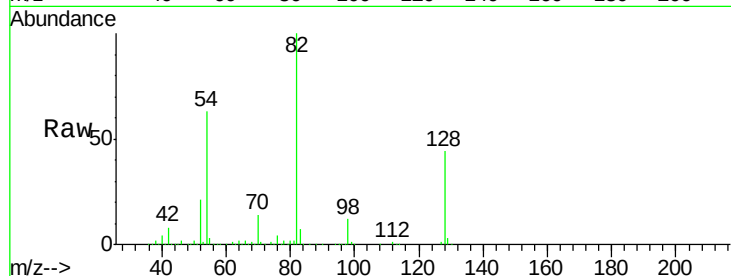




#23
Nitrobenzene-d5
Concen: 77.02 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

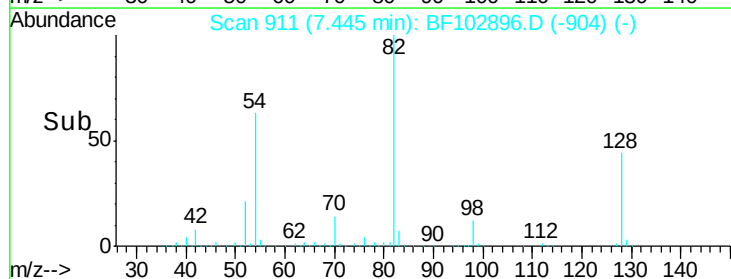
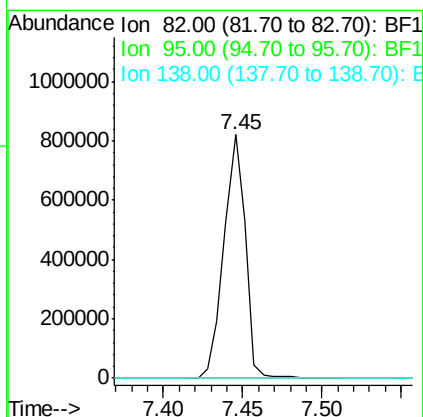
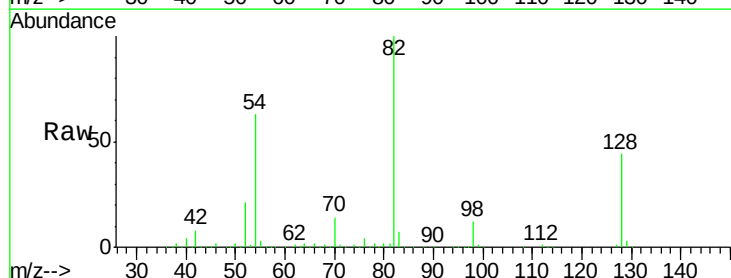
Instrument :
BNA_F
ClientSampleId :

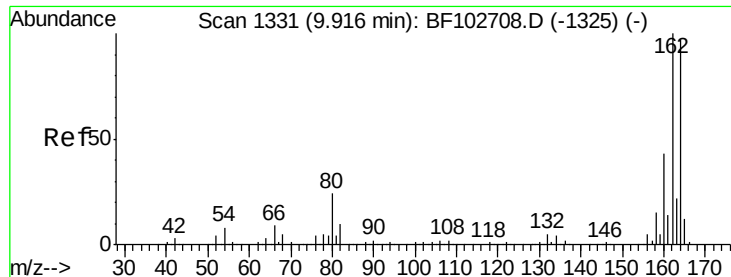
Tot Ion: 82 Resp: 770324
Ion Ratio Lower Upper
82 100
128 44.3 36.1 54.1
54 63.4 41.4 62.2#



#25
Isophorone
Concen: 33.45 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

Tgt Ion: 82 Resp: 770316
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 14.9 22.3#

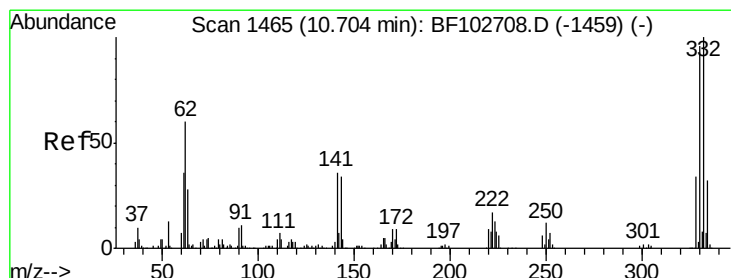
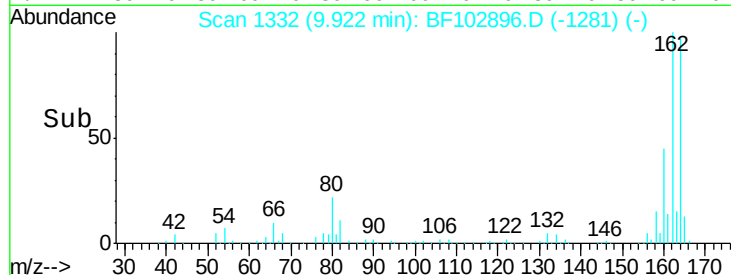
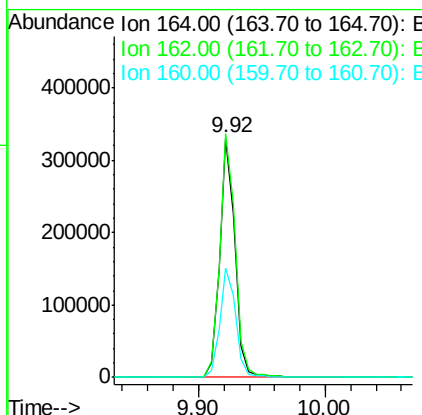
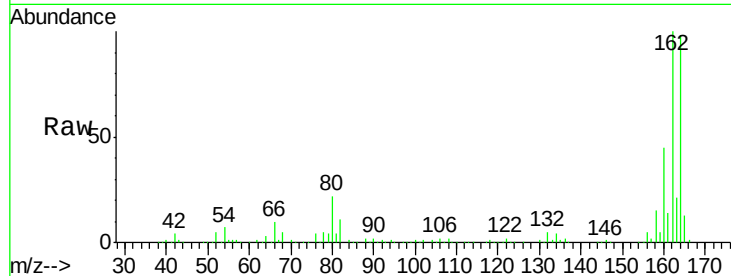




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

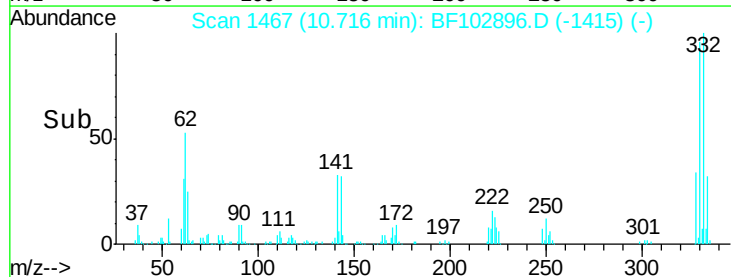
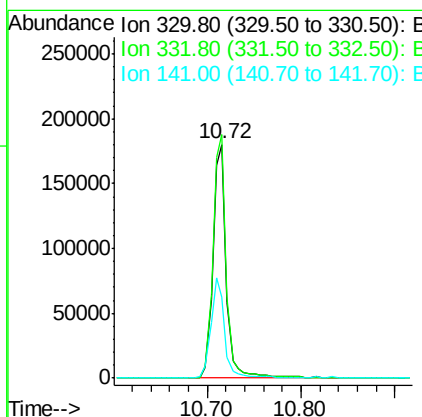
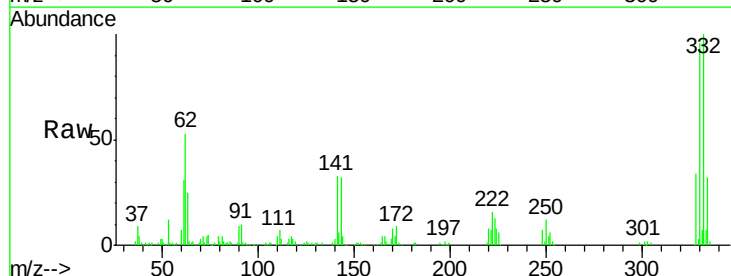
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BNA_F
ClientSampleId :

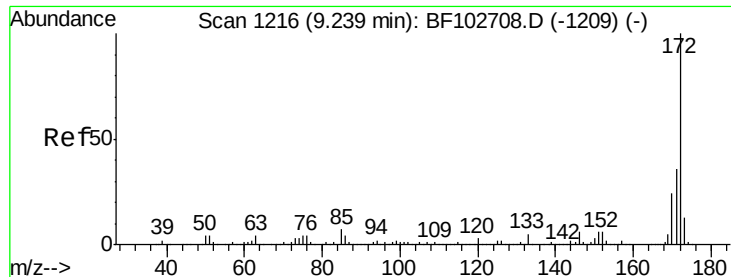
Tot Ion:164 Resp: 281432
Ion Ratio Lower Upper
164 100
162 102.1 86.1 129.1
160 45.8 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 80.73 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.01 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

Tgt Ion:330 Resp: 182867
Ion Ratio Lower Upper
330 100
332 104.3 77.0 115.6
141 44.0 29.9 44.9

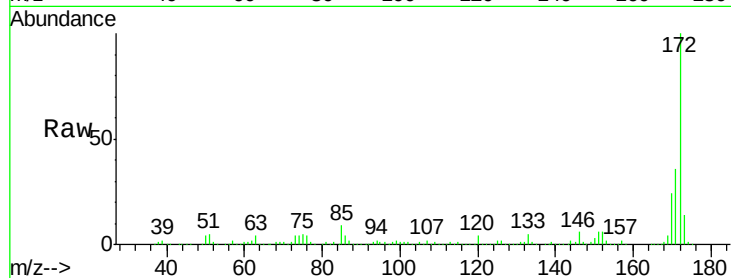




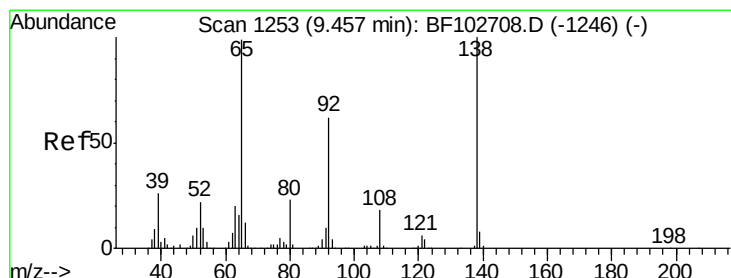
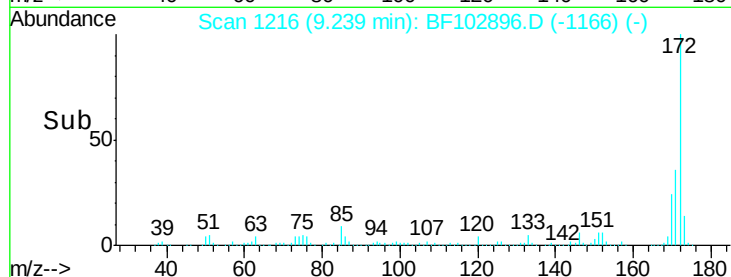
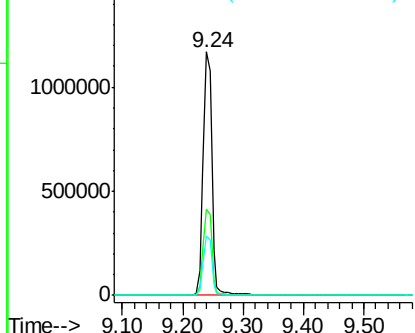
#44
 2-Fluorobiphenyl
 Concen: 70.33 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102896.D
 Acq: 9 Feb 2018 18:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1192809
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 24.4 19.6 29.4

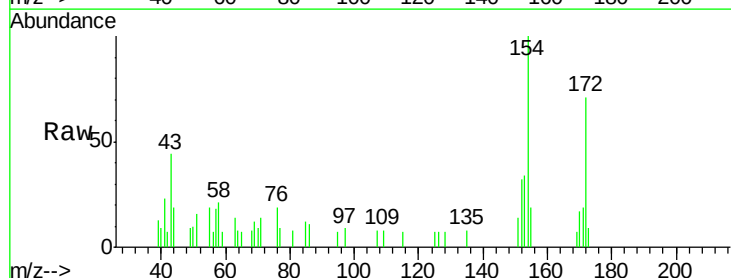


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

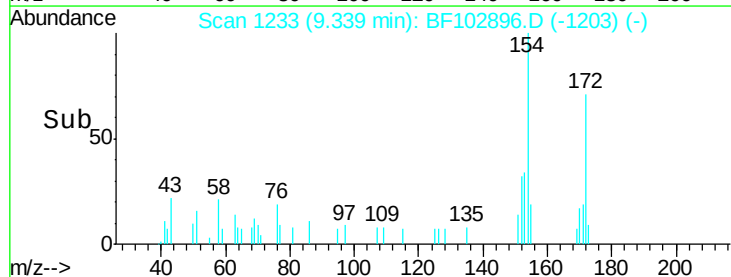
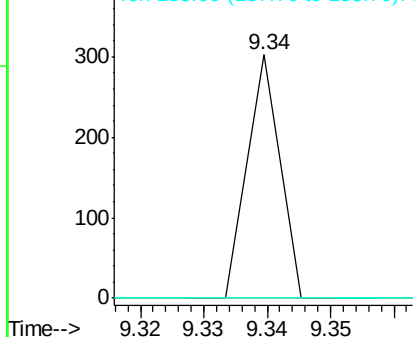


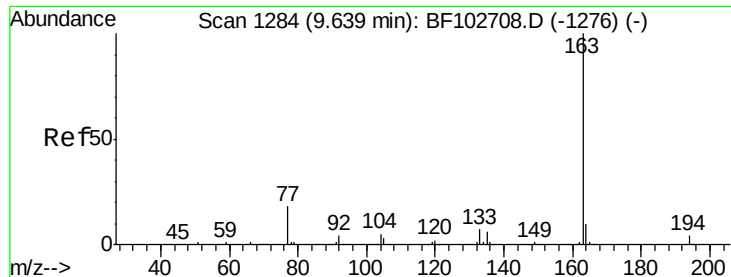
#47
 2-Nitroaniline
 Concen: 3.49 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.12 min
 Lab File: BF102896.D
 Acq: 9 Feb 2018 18:38

Tgt Ion: 65 Resp: 107
 Ion Ratio Lower Upper
 65 100
 92 0.0 55.8 83.6#
 138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E

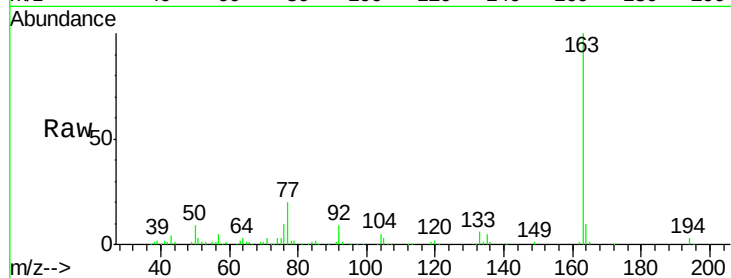




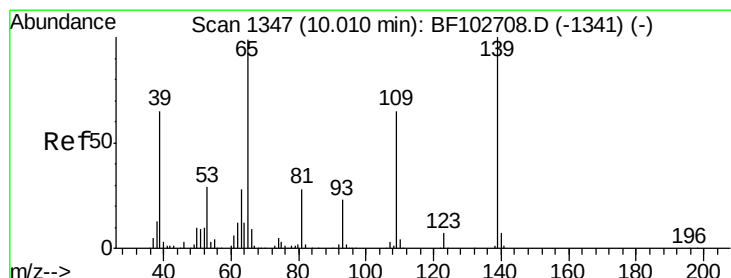
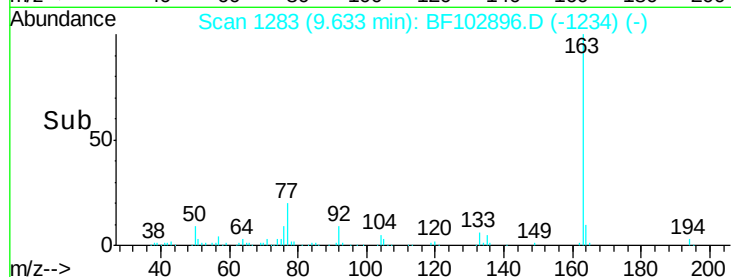
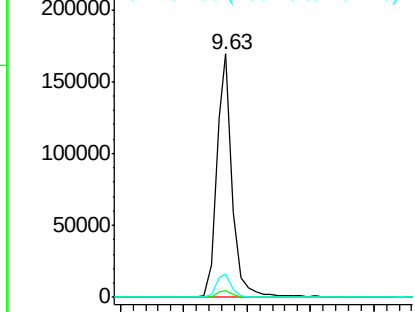
#49
Dimethylphthalate
Concen: 6.67 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 146348
Ion Ratio Lower Upper
163 100
194 3.0 2.7 4.1
164 9.7 8.2 12.2

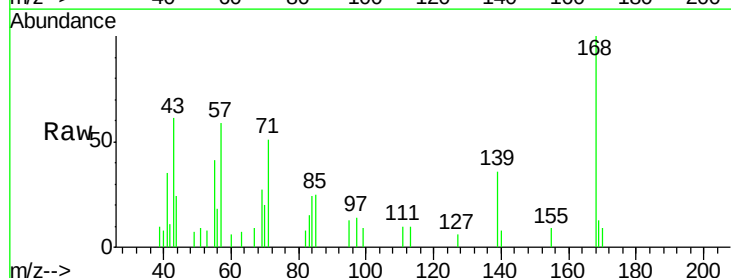


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

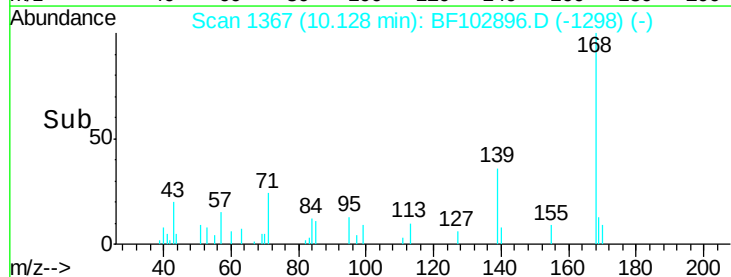
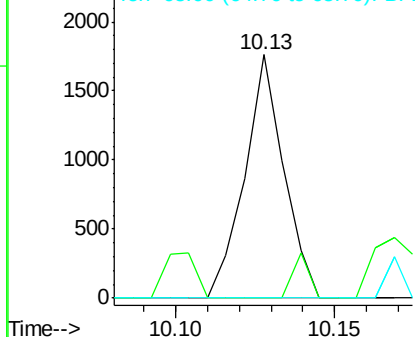


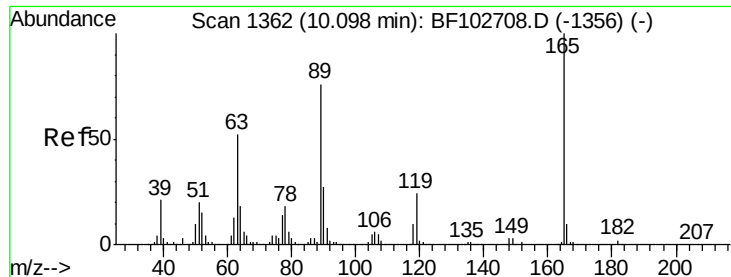
#55
4-Nitrophenol
Concen: 4.36 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.11 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

Tgt Ion:139 Resp: 1510
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 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

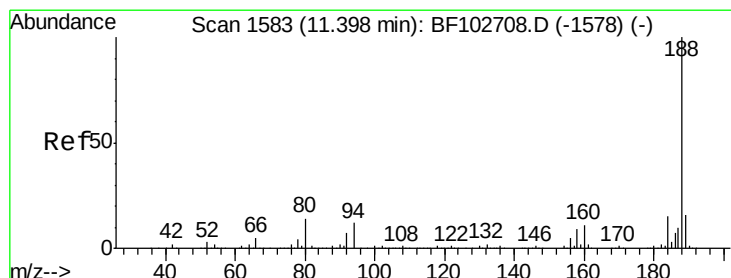
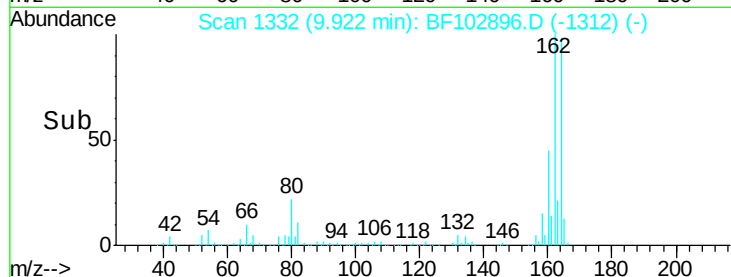
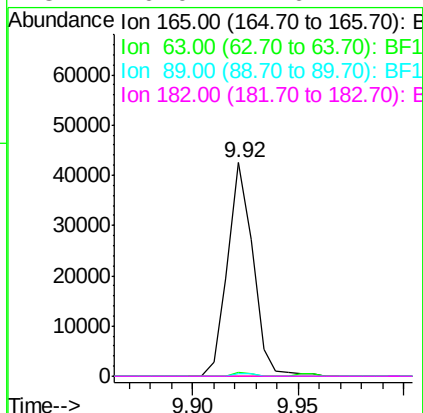
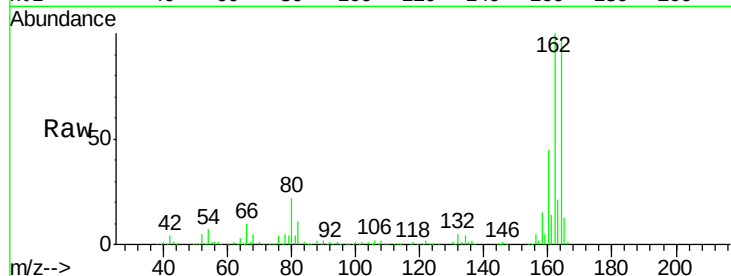




#56
 2,4-Dinitrotoluene
 Concen: 8.99 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.18 min
 Lab File: BF102896.D
 Acq: 9 Feb 2018 18:38

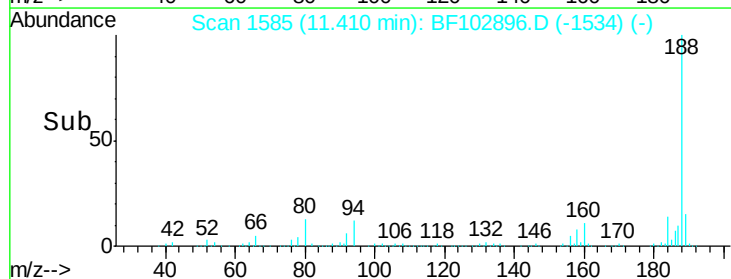
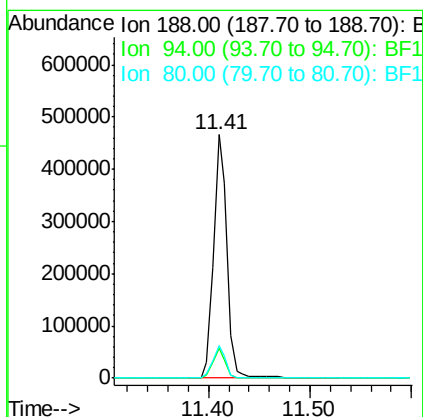
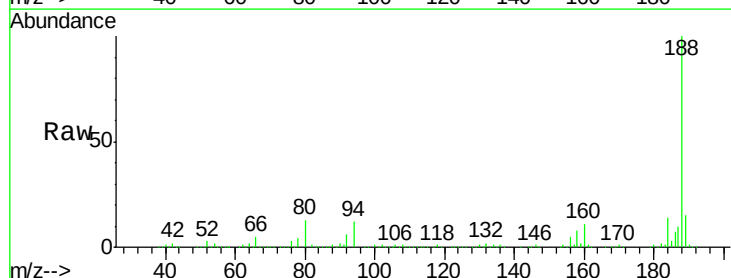
Instrument :
 BNA_F
 ClientSampleId :

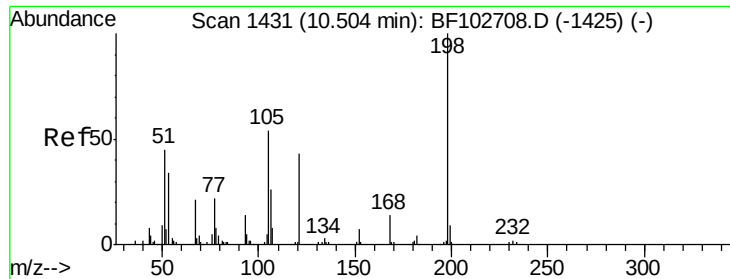
Tot Ion:	165	Resp:	35359
Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF102896.D
 Acq: 9 Feb 2018 18:38

Tgt Ion:	188	Resp:	425748
Ion	Ratio	Lower	Upper
188	100		
94	12.4	8.5	12.7
80	13.4	9.2	13.8

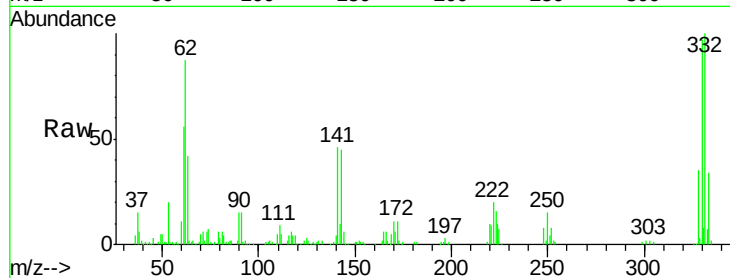




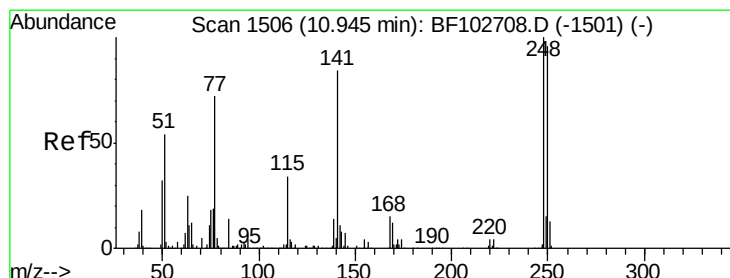
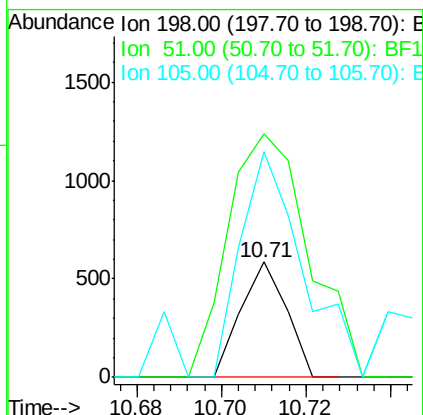
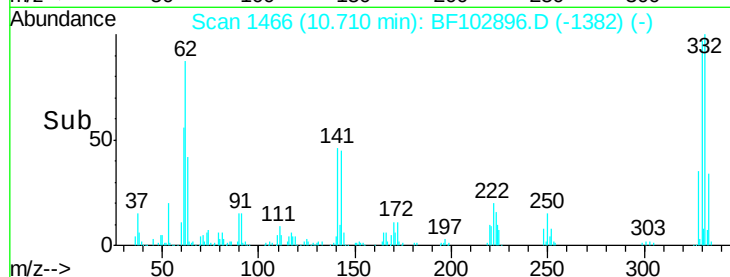
#64
4,6-Dinitro-2-methylphenol
Concen: 9.02 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 439
Ion Ratio Lower Upper
198 100
51 210.7 37.7 77.7#
105 195.7 36.3 76.3#

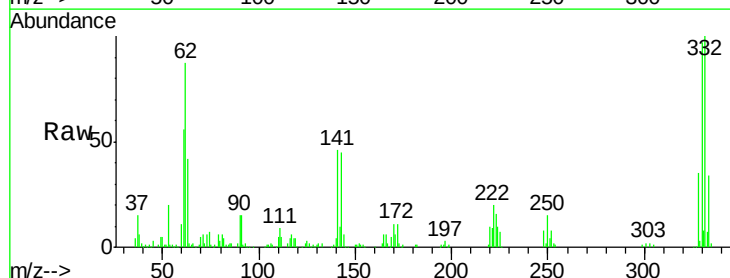


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

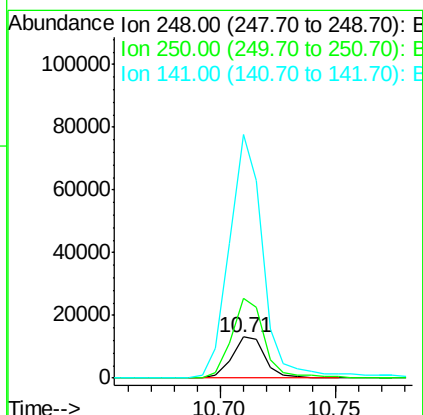
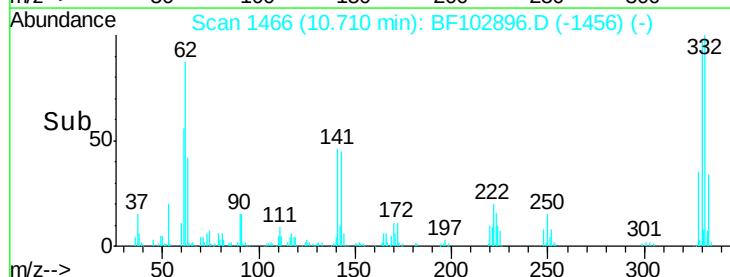


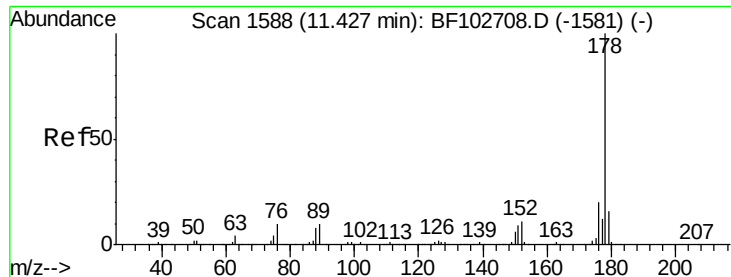
#66
4-Bromophenyl-phenylether
Concen: 2.89 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

Tgt Ion:248 Resp: 13002
Ion Ratio Lower Upper
248 100
250 194.5 76.9 115.3#
141 590.0 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

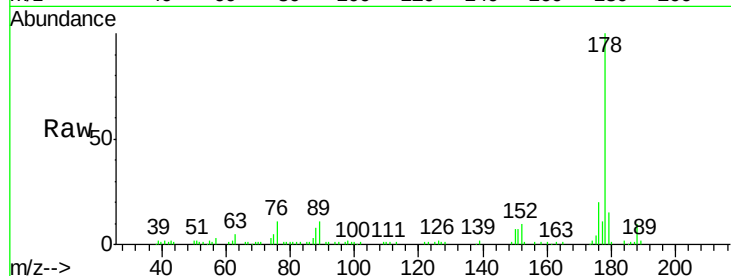




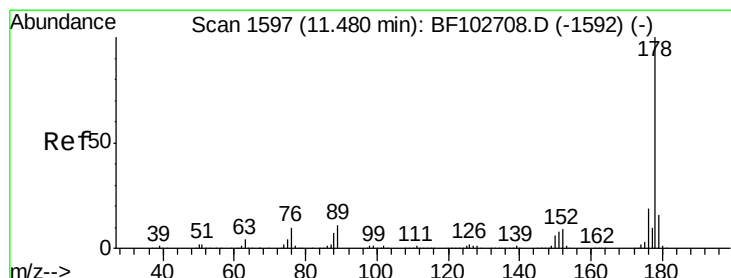
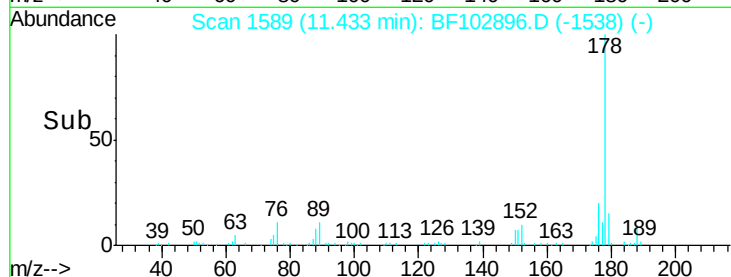
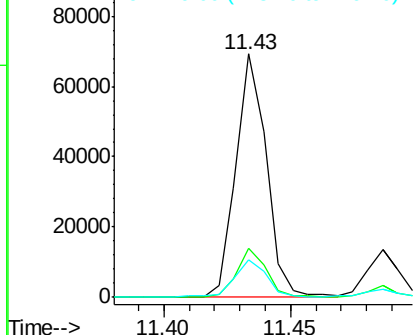
#70
Phenanthrene
Concen: 2.45 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 58129
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.2 13.0 19.6

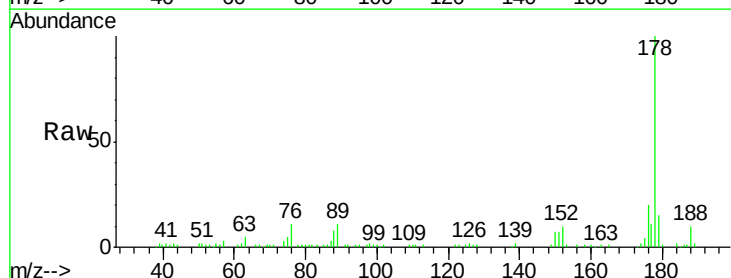


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

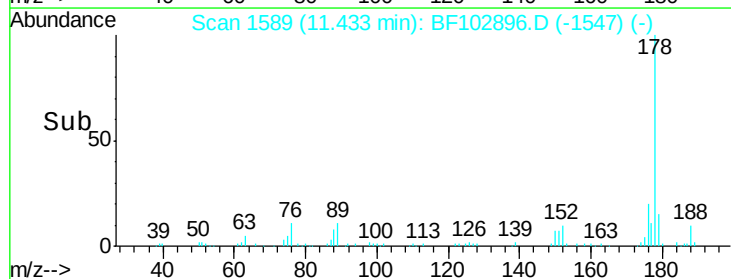
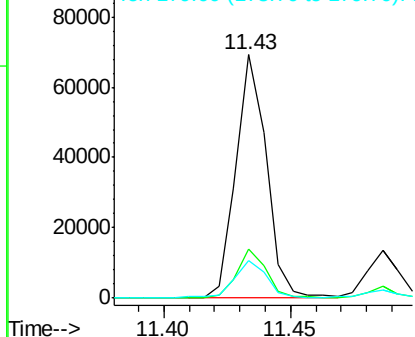


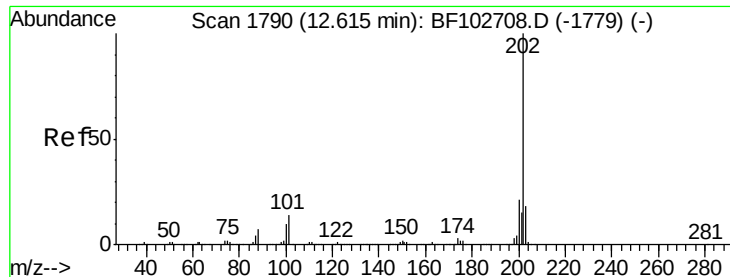
#71
Anthracene
Concen: 2.41 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.05 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

Tgt Ion:178 Resp: 58129
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.2
179 15.2 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

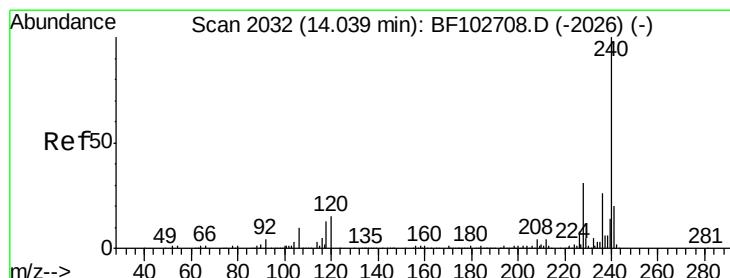
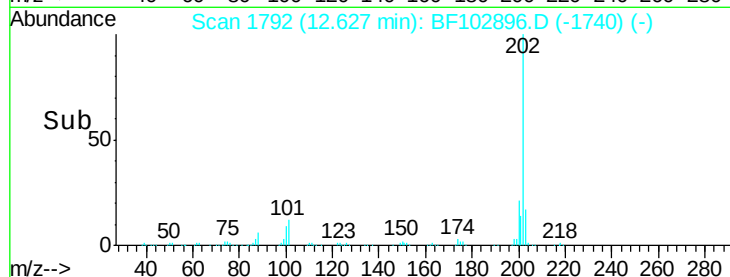
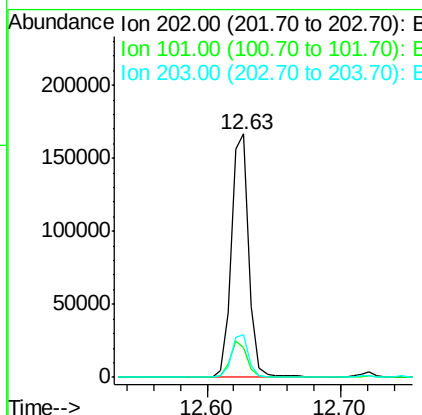
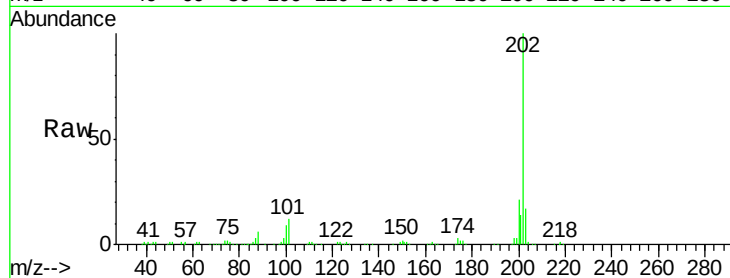




#74
Fluoranthene
Concen: 6.42 ng
RT: 12.63 min Scan# 1792
Delta R.T. 0.01 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

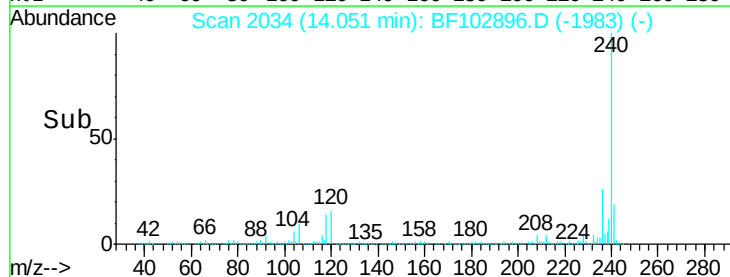
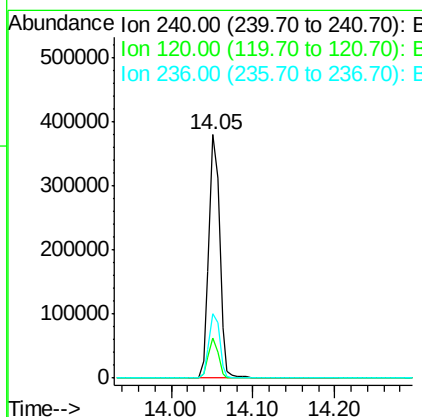
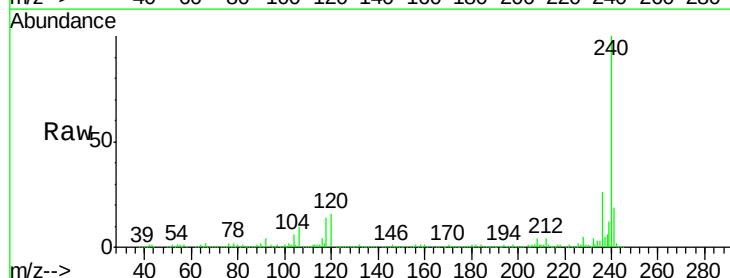
Instrument :
BNA_F
ClientSampleId :

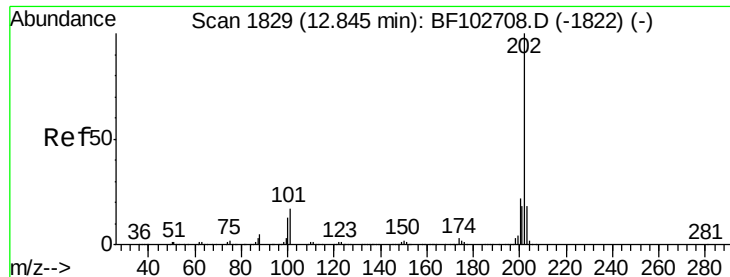
Tot Ion:202 Resp: 153234
Ion Ratio Lower Upper
202 100
101 12.4 0.0 34.1
203 17.3 0.0 38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

Tgt Ion:240 Resp: 353635
Ion Ratio Lower Upper
240 100
120 16.3 9.5 14.3#
236 26.4 20.7 31.1

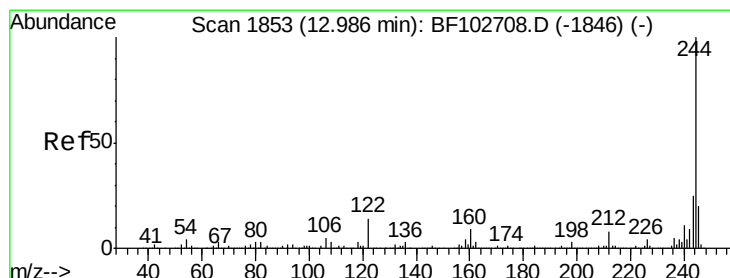
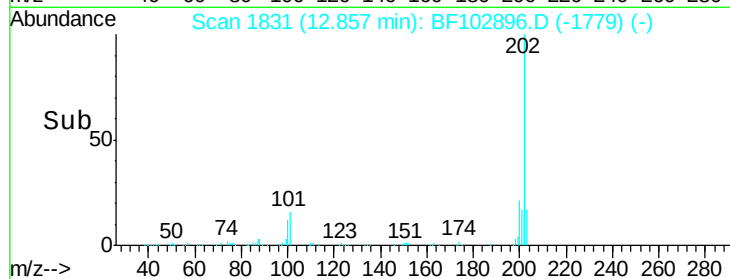
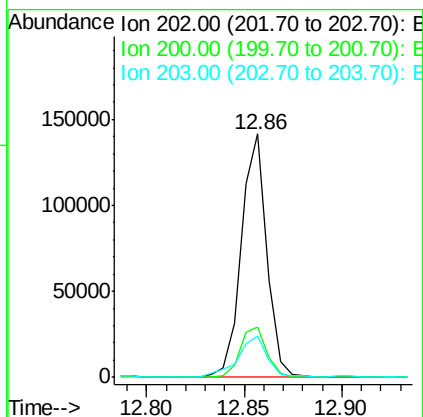
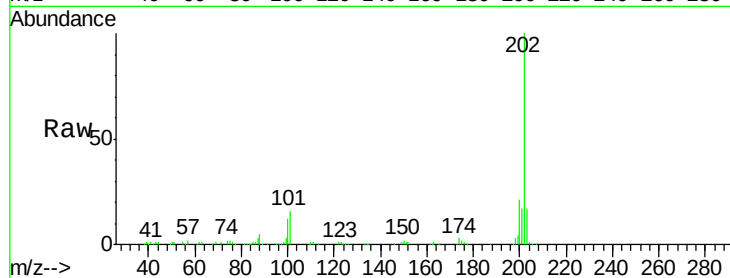




#77
Pvrene
Concen: 4.63 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

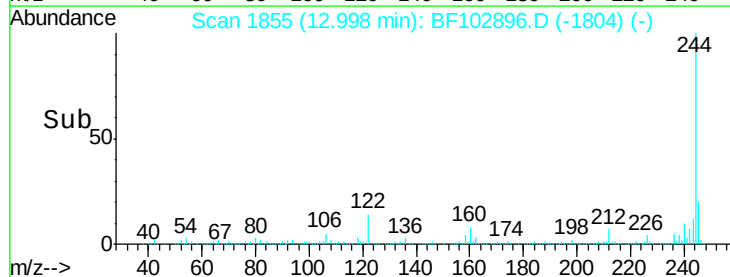
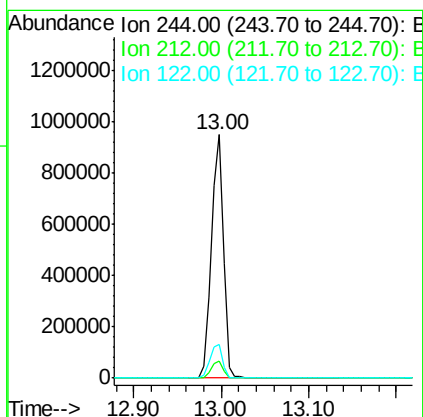
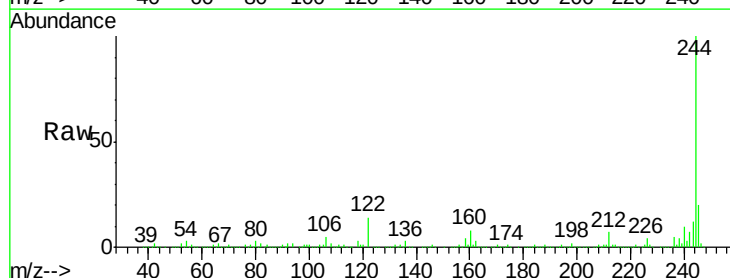
Instrument :
BNA_F
ClientSampleId :

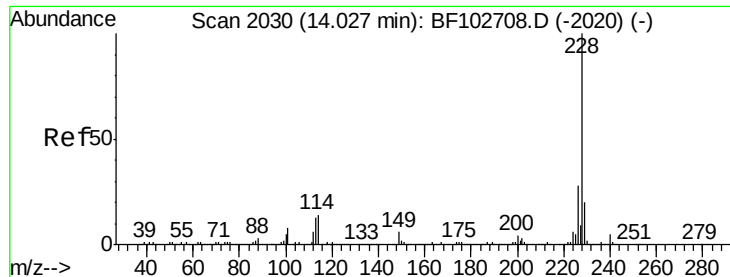
Tot Ion:202 Resp: 128272
Ion Ratio Lower Upper
202 100
200 20.6 17.4 26.2
203 16.8 14.3 21.5



#78
Terphenyl-d14
Concen: 60.82 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

Tgt Ion:244 Resp: 908413
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 14.1 11.0 16.4

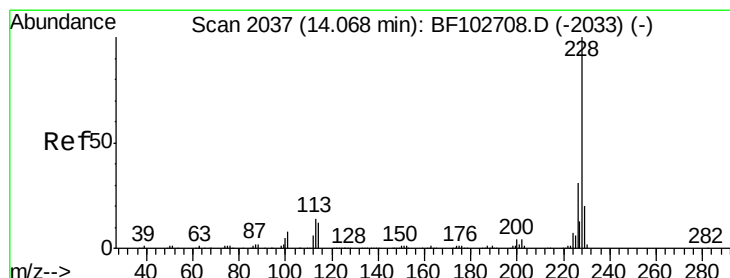
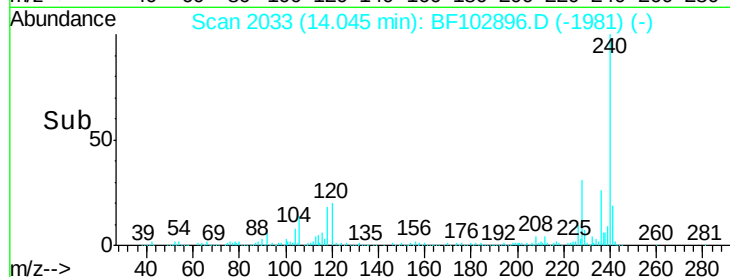
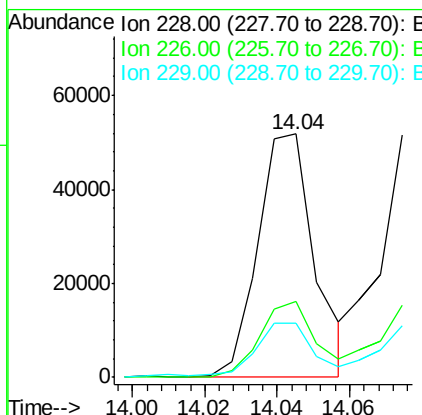
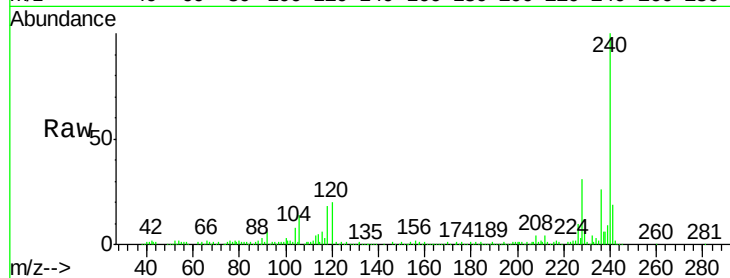




#80
Benzo(a)anthracene
Concen: 2.53 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

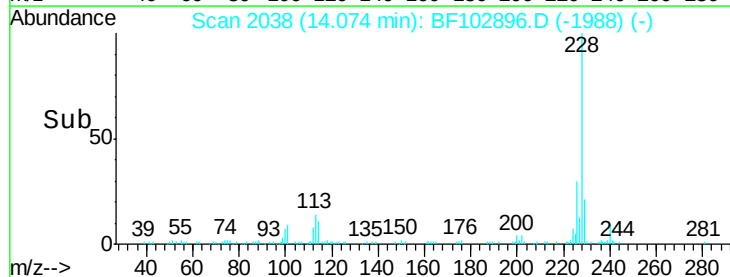
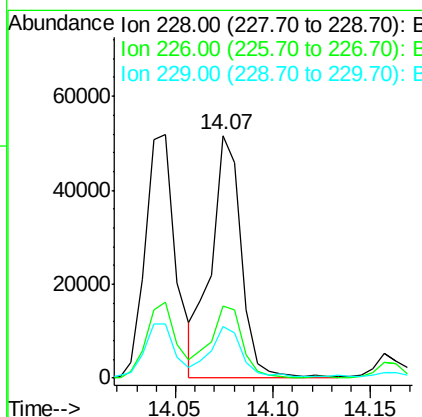
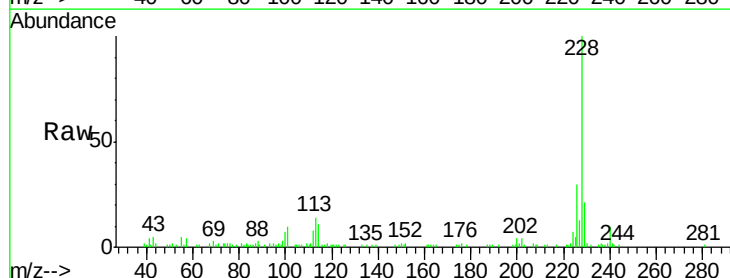
Instrument :
BNA_F
ClientSampleId :

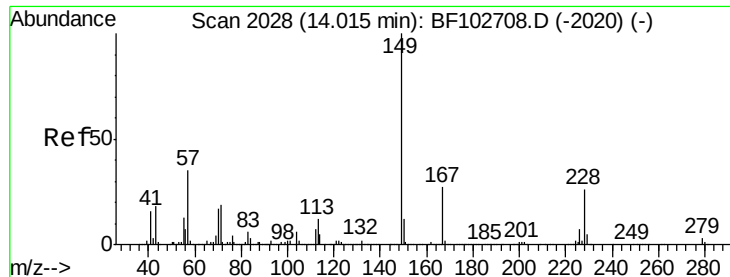
Tot Ion:228 Resp: 56334
Ion Ratio Lower Upper
228 100
226 31.0 22.6 33.8
229 22.5 15.8 23.6



#82
Chrysene
Concen: 2.49 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

Tgt Ion:228 Resp: 55794
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 21.3 16.2 24.4

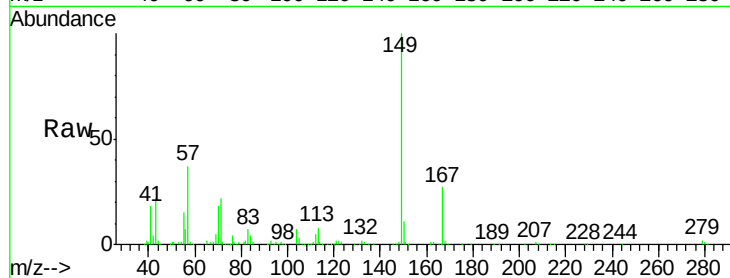




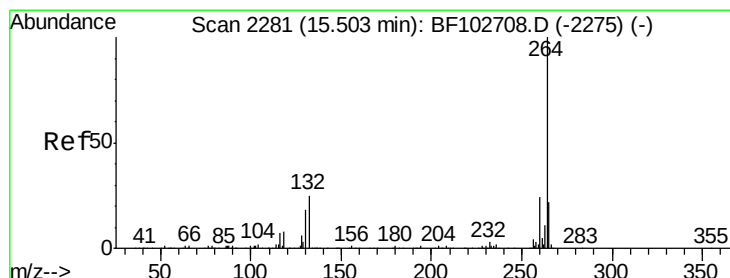
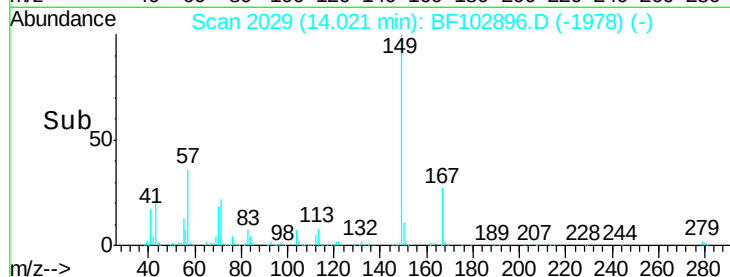
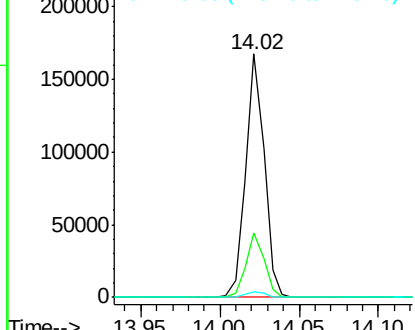
#83
Bis(2-ethylhexyl)phthalate
Concen: 8.06 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 136988
Ion Ratio Lower Upper
149 100
167 26.5 21.3 31.9
279 2.5 3.0 4.4#

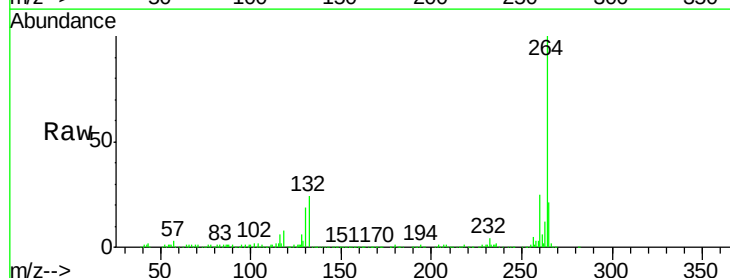


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

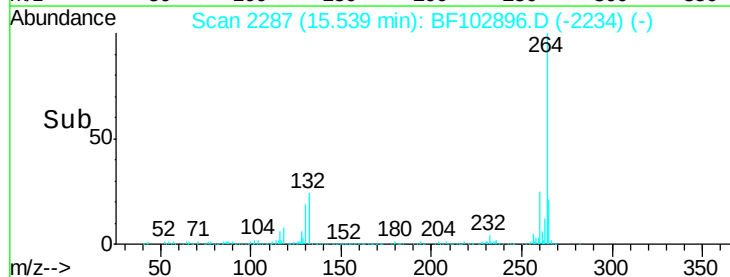
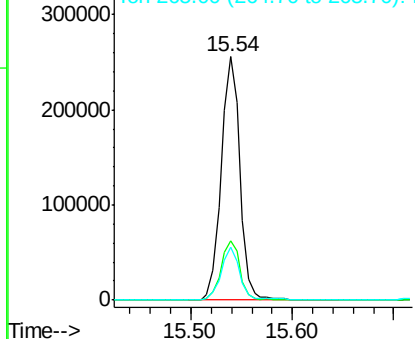


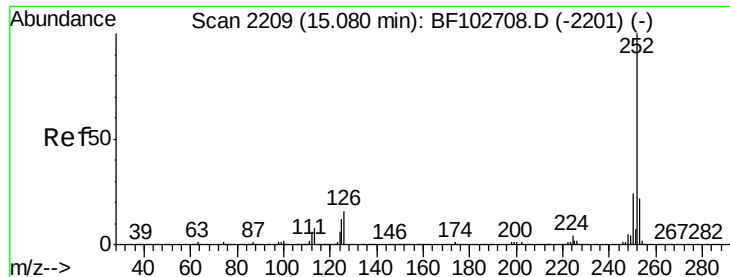
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

Tgt Ion:264 Resp: 328356
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 21.5 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

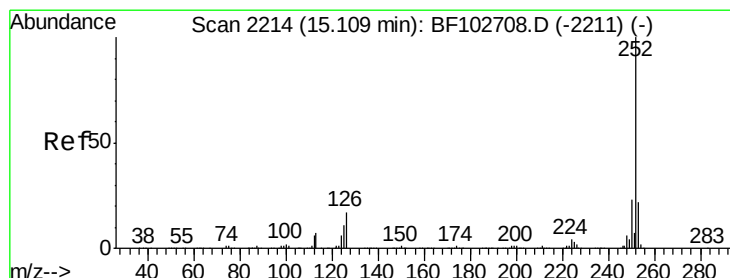
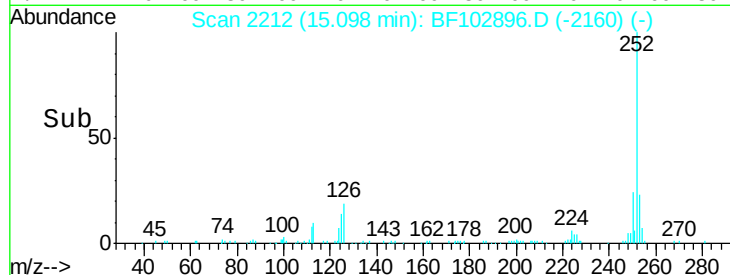
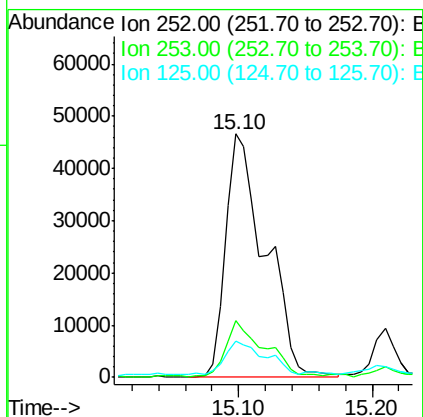
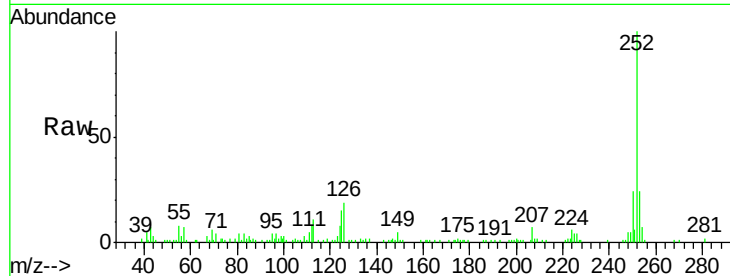




#87
Benzo(b)fluoranthene
Concen: 4.54 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

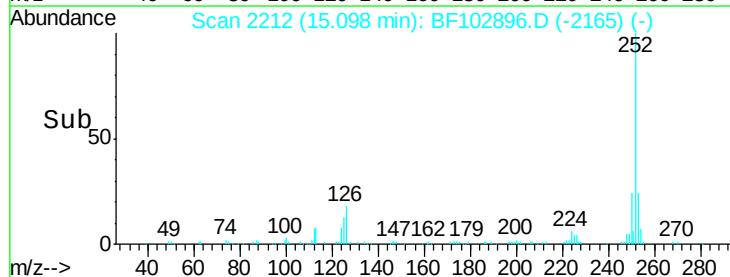
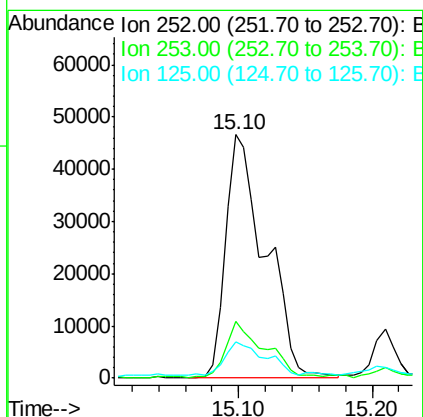
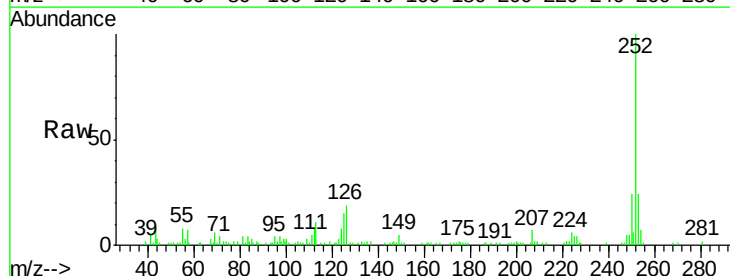
Instrument :
BNA_F
ClientSampleId :

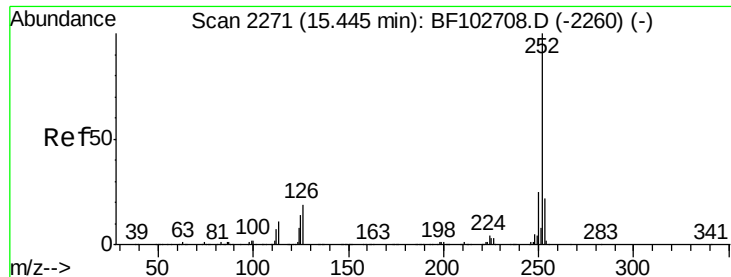
Tot Ion:252 Resp: 96738
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 14.7 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 4.76 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.02 min
Lab File: BF102896.D
Acq: 9 Feb 2018 18:38

Tgt Ion:252 Resp: 96738
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 14.7 10.2 15.2





#89

Benzo(a)pyrene

Concen: 2.26 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.01 min

Lab File: BF102896.D

Acq: 9 Feb 2018 18:38

Instrument :

BNA_F

ClientSampleId :

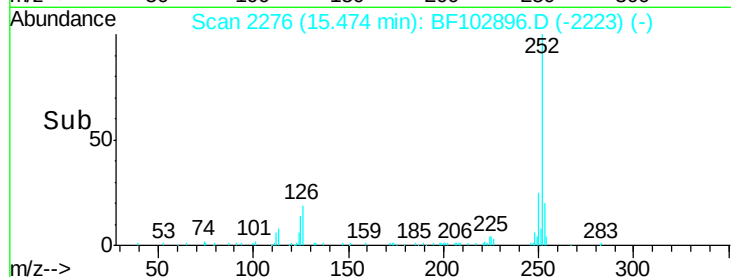
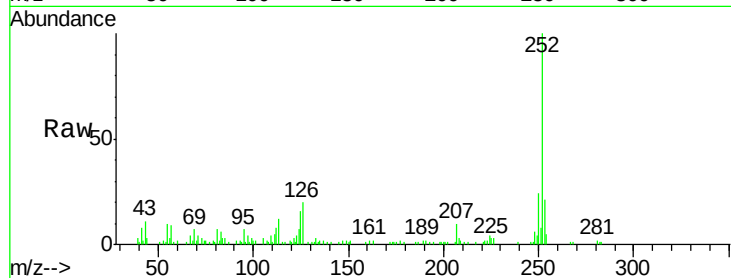
Tot Ion: 252 Resp: 43367

Ion Ratio Lower Upper

252 100

253 20.9 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

