

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\
 Data File : BF103455.D
 Acq On : 6 Mar 2018 14:57
 Operator : SJ/JU
 Sample : J1792-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 06 16:22:22 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 11:52:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	114387	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	491814	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	202213	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	314598	20.00	ng	0.00
75) Chrysene-d12	14.07	240	195692	20.00	ng	0.00
86) Perylene-d12	15.58	264	169463	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	699460	92.48	ng	0.00
7) Phenol-d6	6.51	99	854741	92.36	ng	0.00
23) Nitrobenzene-d5	7.44	82	550296	63.90	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	126423	73.86	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	747005	59.06	ng	0.00
78) Terphenyl-d14	12.99	244	462809	56.85	ng	0.00

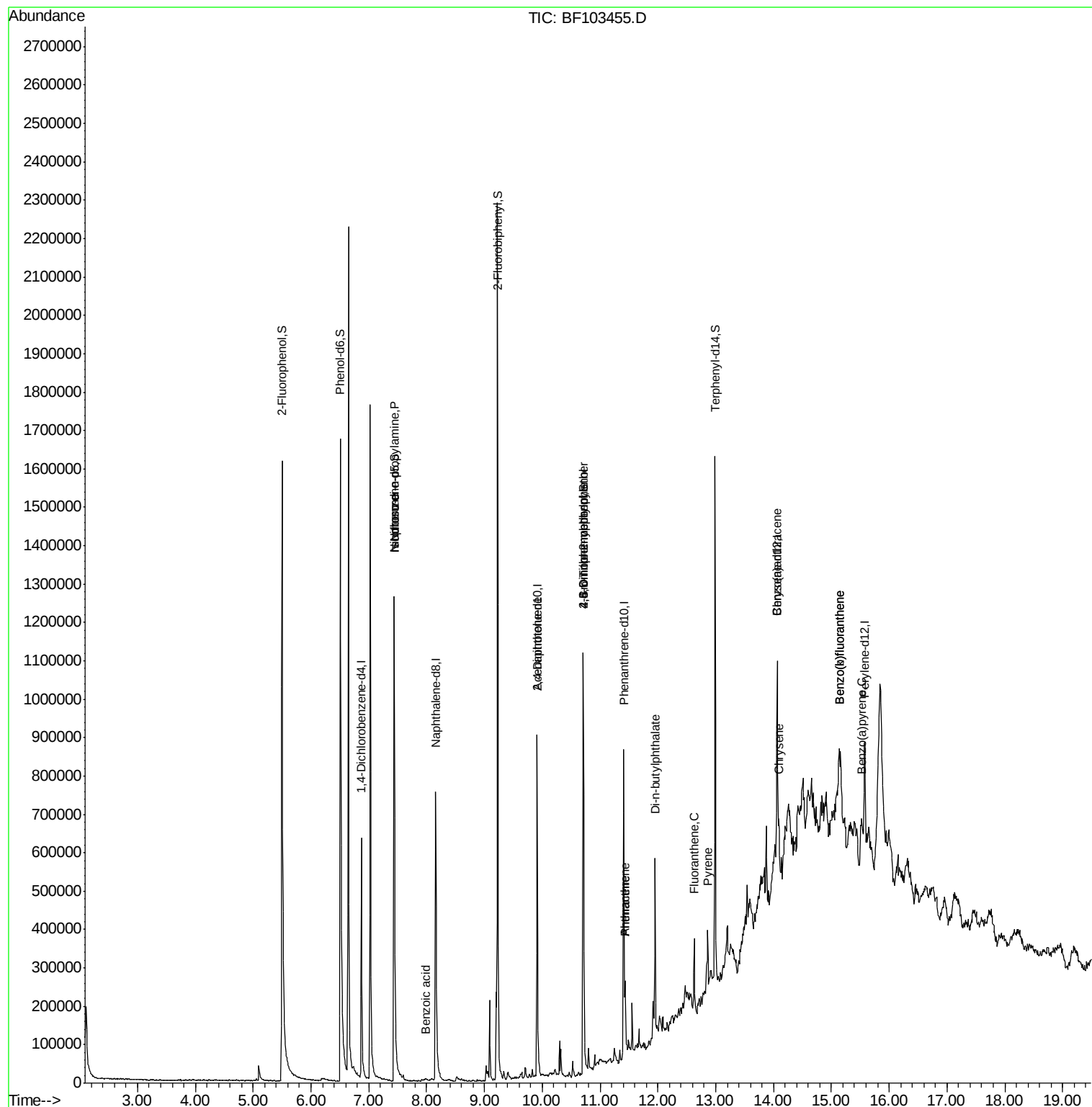
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.44	70	72883	12.654	ng	# 80
25) Isophorone	7.44	82	550296	32.444	ng	# 64
32) Benzoic acid	7.99	122	226	6.952	ng	# 47
56) 2,4-Dinitrotoluene	9.91	165	25244	5.863	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.71	198	155	5.018	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	8626	2.632	ng	# 1
70) Phenanthrene	11.43	178	55226	3.190	ng	98
71) Anthracene	11.43	178	55226	3.111	ng	99
73) Di-n-butylphthalate	11.95	149	216066	9.767	ng	98
74) Fluoranthene	12.63	202	75799	4.357	ng	99
77) Pyrene	12.86	202	65001	4.260	ng	99
80) Benzo(a)anthracene	14.06	228	32299	2.544	ng	# 92
82) Chrysene	14.09	228	31841	2.583	ng	# 96
87) Benzo(b)fluoranthene	15.13	252	50362	4.520	ng	# 66
88) Benzo(k)fluoranthene	15.13	252	50362	4.800	ng	# 69
89) Benzo(a)pyrene	15.52	252	25836	2.597	ng	# 68

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

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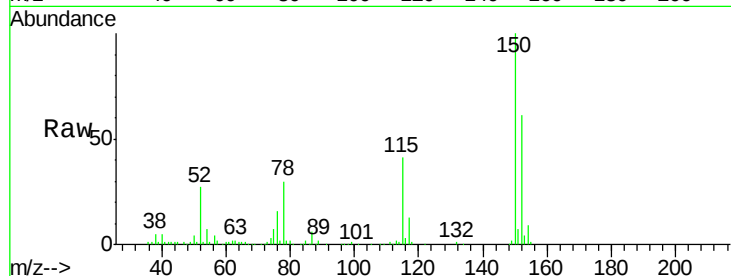


#1

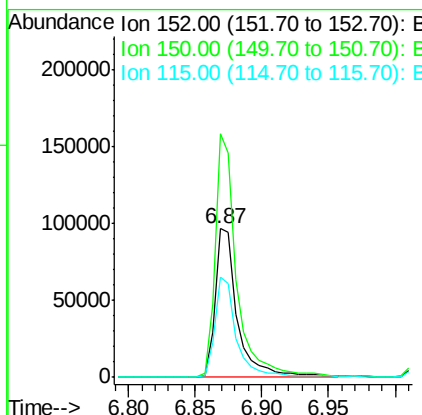
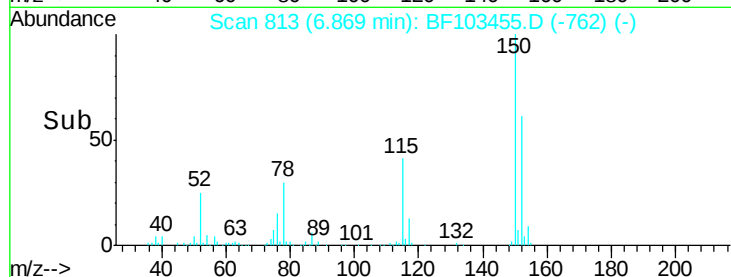
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103455.D
Acq: 6 Mar 2018 14:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.8	124.6	186.8
115	67.7	50.1	75.1



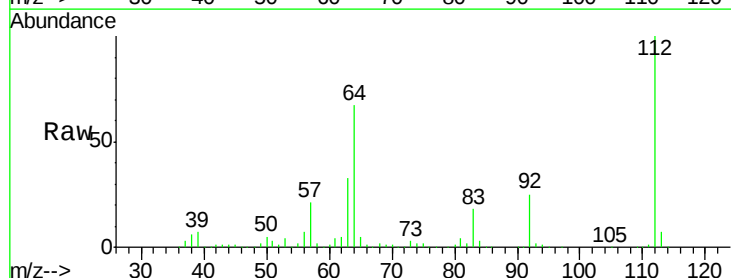
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



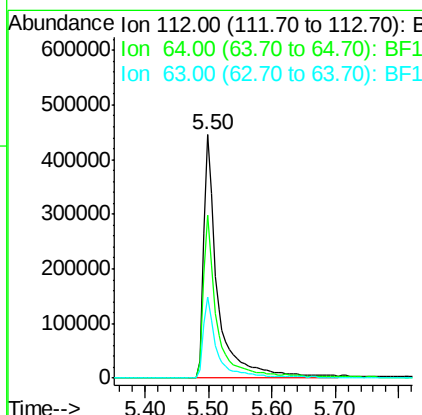
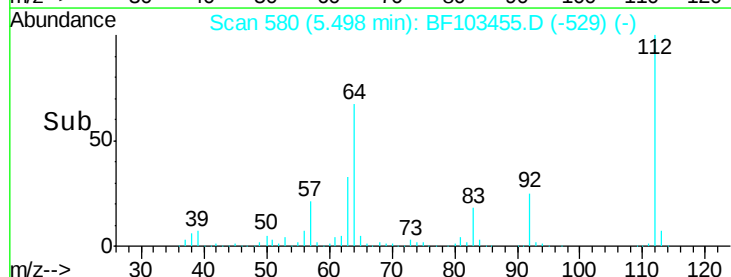
#5

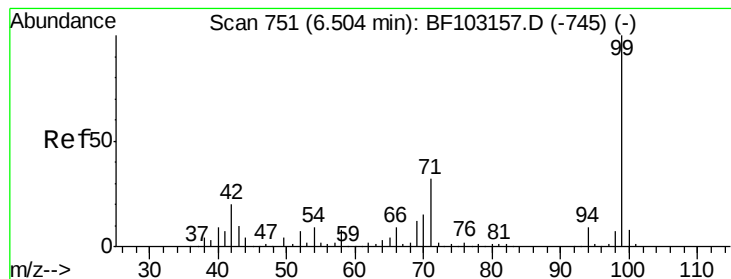
2-Fluorophenol
Concen: 92.483 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF103455.D
Acq: 6 Mar 2018 14:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	47.9	71.9
63	33.5	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: 92.358 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103455.D

Acq: 6 Mar 2018 14:57

Instrument :

BNA_F

ClientSampleId :

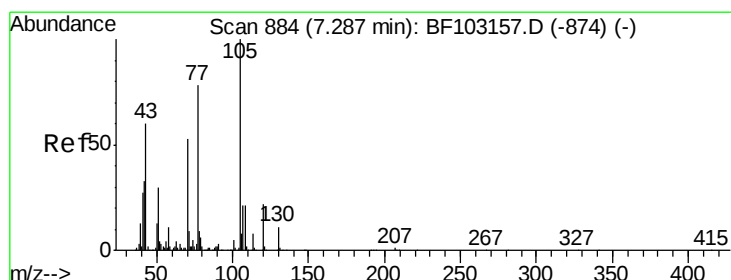
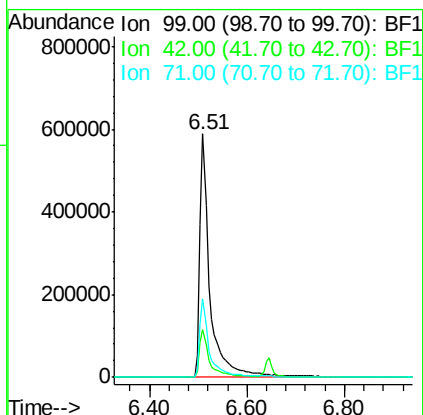
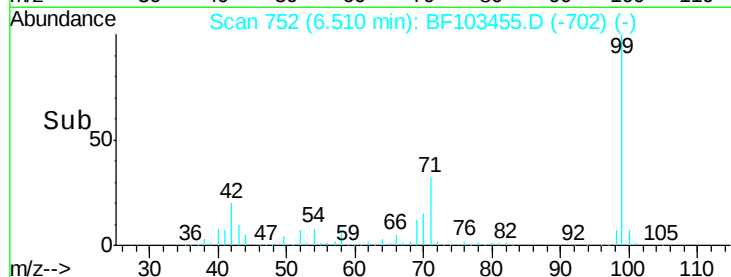
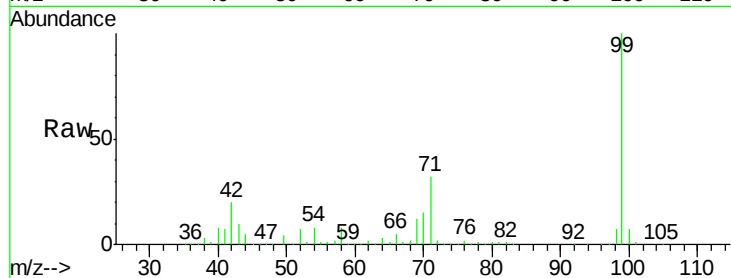
Tot Ion: 99 Resp: 854741

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 32.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.654 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103455.D

Acq: 6 Mar 2018 14:57

Tgt Ion: 70 Resp: 72883

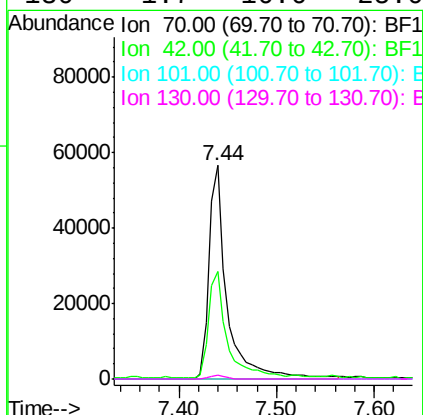
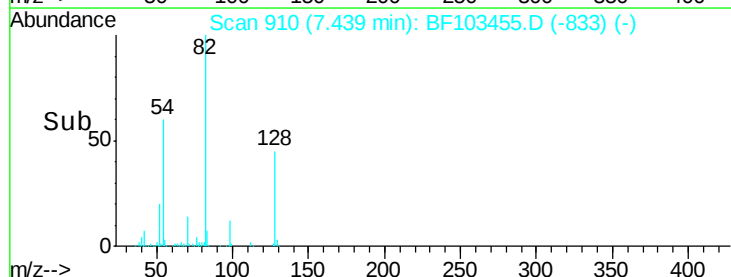
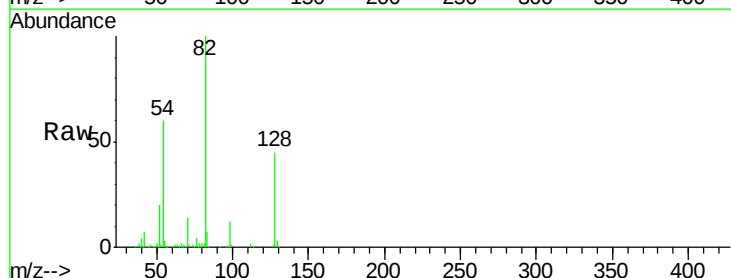
Ion Ratio Lower Upper

70 100

42 50.3 47.5 71.3

101 0.0 7.4 11.2#

130 1.7 16.6 25.0#

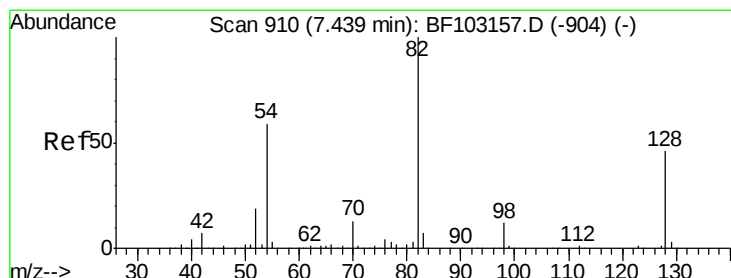
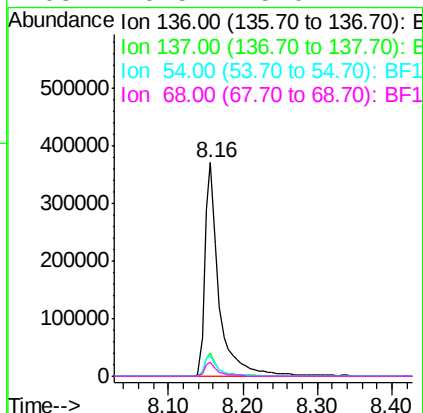
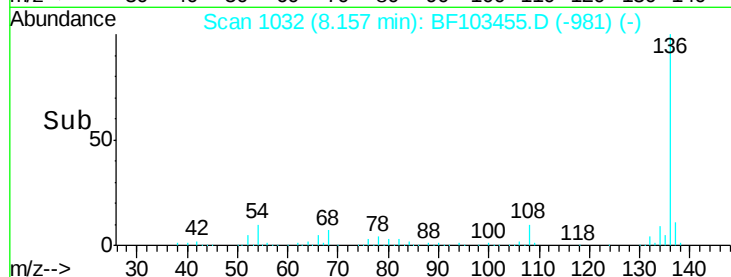
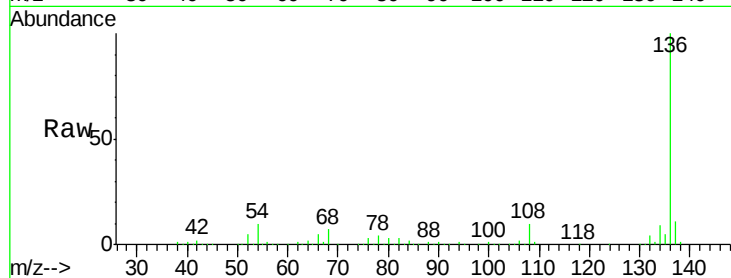




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF103455.D
Acq: 6 Mar 2018 14:57

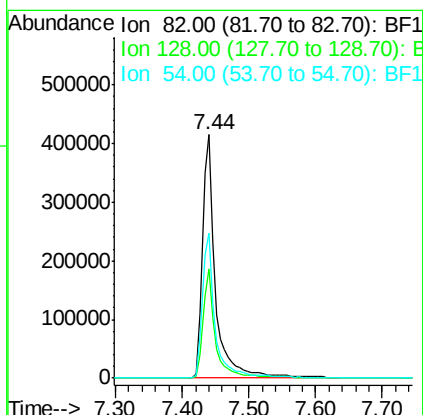
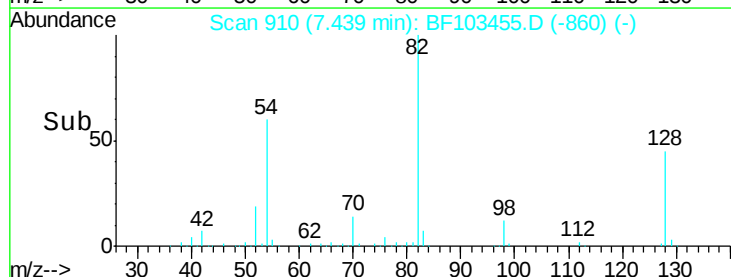
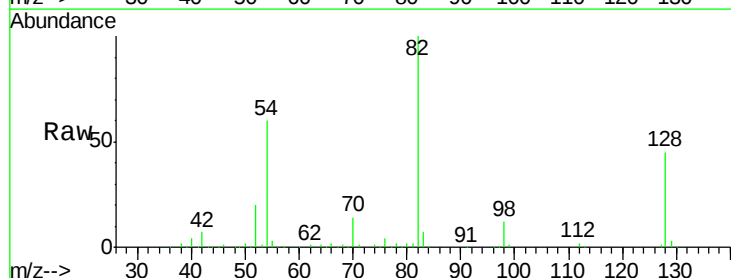
Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	491814
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	9.5	6.6 9.8
68	6.5	5.0 7.4



#23
Nitrobenzene-d5
Concen: 63.899 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103455.D
Acq: 6 Mar 2018 14:57

Tgt Ion: 82	Resp:	550296
Ion Ratio	Lower	Upper
82	100	
128	45.1	36.1 54.1
54	59.8	41.4 62.2





#25

Isophorone

Concen: 32.444 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103455.D

Acq: 6 Mar 2018 14:57

Instrument :

BNA_F

ClientSampleId :

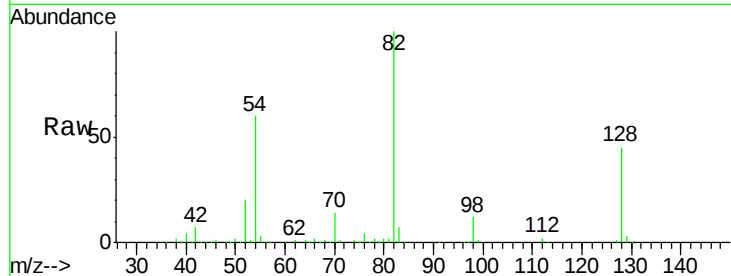
Tot Ion: 82 Resp: 550296

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

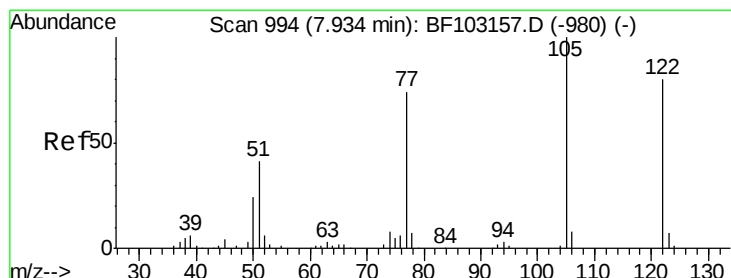
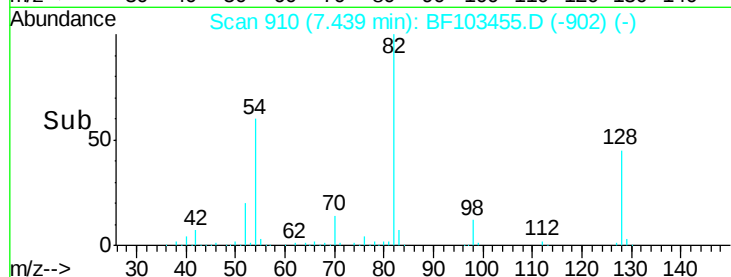
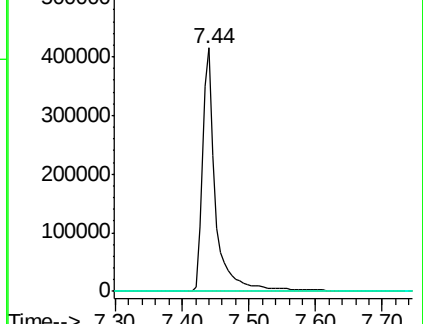
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 6.952 ng

RT: 7.99 min Scan# 1003

Delta R.T. 0.02 min

Lab File: BF103455.D

Acq: 6 Mar 2018 14:57

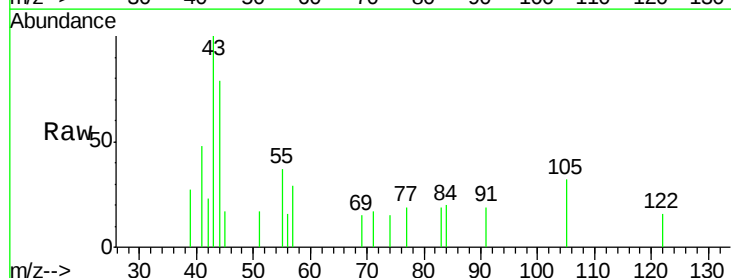
Tgt Ion: 122 Resp: 226

Ion Ratio Lower Upper

122 100

105 201.5 101.1 141.1#

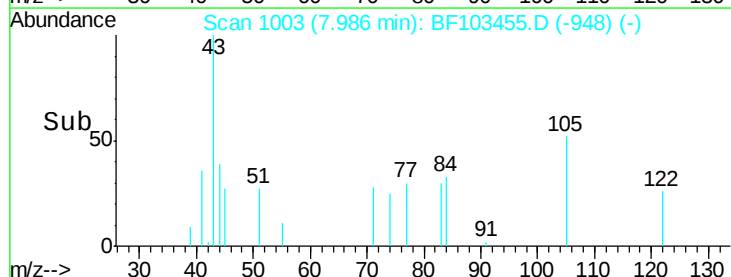
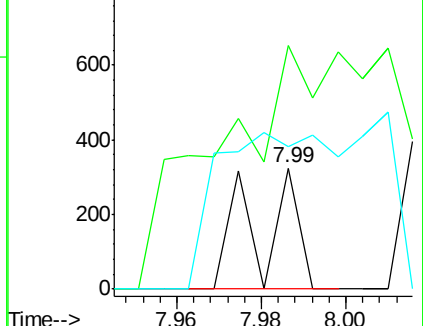
77 117.6 70.7 110.7#

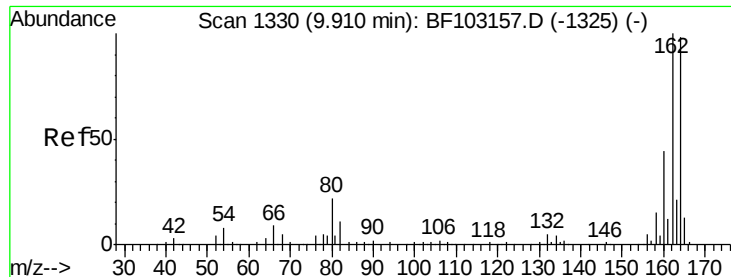


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF103455.D

Acq: 6 Mar 2018 14:57

Instrument :

BNA_F

ClientSampleId :

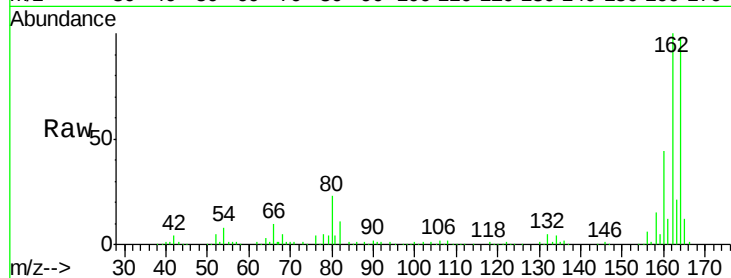
Tot Ion:164 Resp: 202213

Ion Ratio Lower Upper

164 100

162 101.7 86.1 129.1

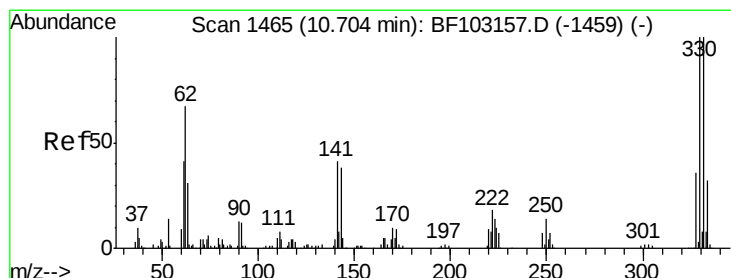
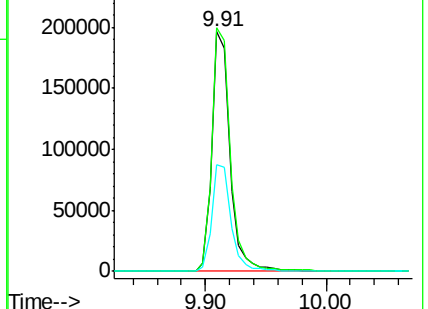
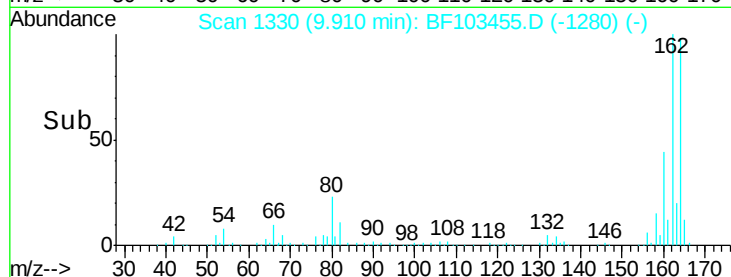
160 44.5 38.3 57.5



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: 73.862 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF103455.D

Acq: 6 Mar 2018 14:57

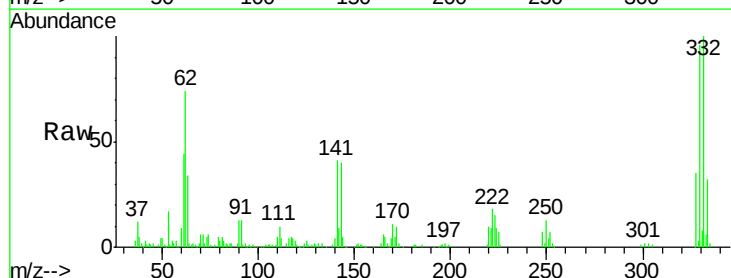
Tgt Ion:330 Resp: 126423

Ion Ratio Lower Upper

330 100

332 104.3 77.0 115.6

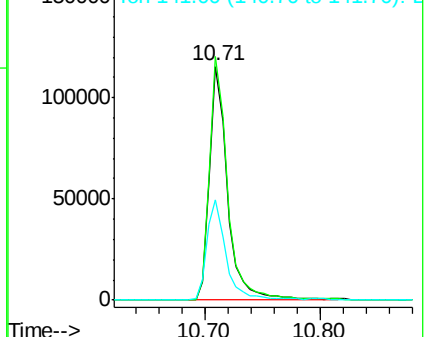
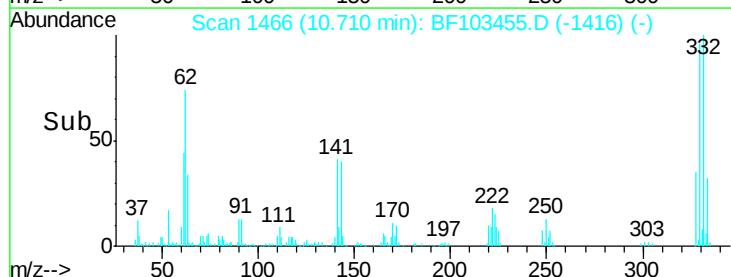
141 45.6 29.9 44.9#

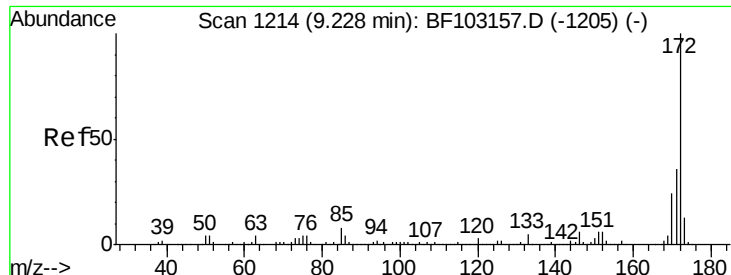


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

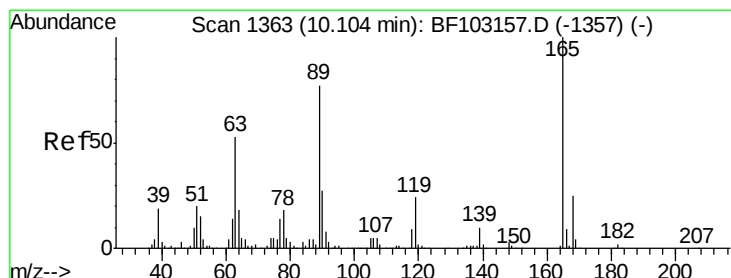
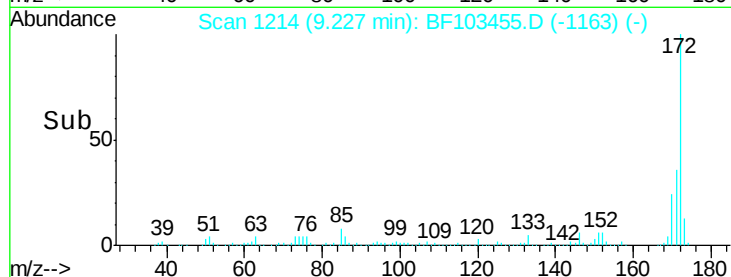
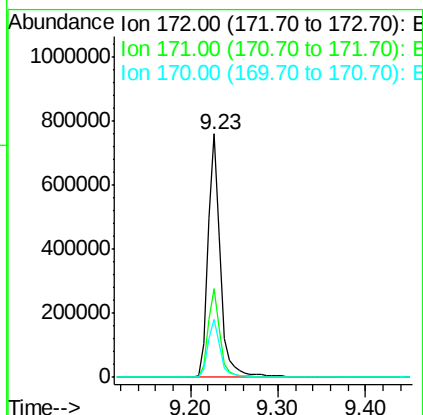
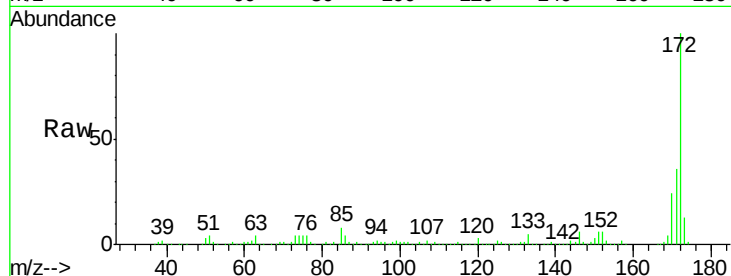




#44
2-Fluorobiphenyl
Concen: 59.058 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.00 min
Lab File: BF103455.D
Acq: 6 Mar 2018 14:57

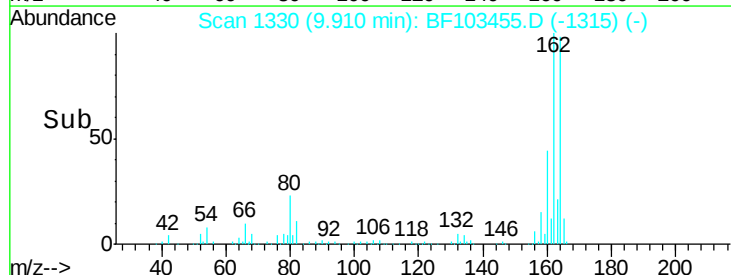
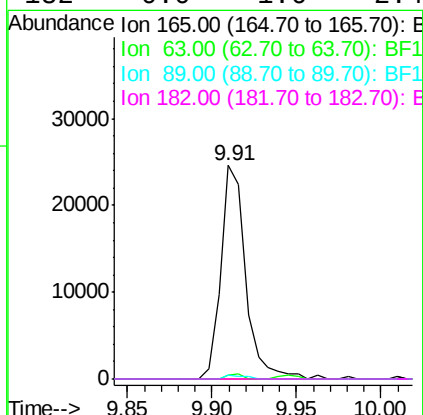
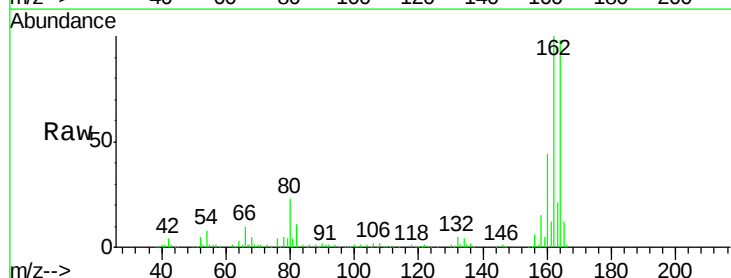
Instrument :
BNA_F
ClientSampleId :

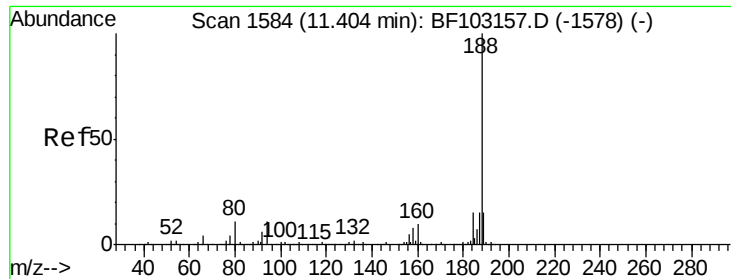
Tot Ion:172 Resp: 747005
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 24.0 19.6 29.4



#56
2,4-Dinitrotoluene
Concen: 5.863 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.21 min
Lab File: BF103455.D
Acq: 6 Mar 2018 14:57

Tgt Ion:165 Resp: 25244
Ion Ratio Lower Upper
165 100
63 1.7 36.4 54.6#
89 1.6 57.8 86.6#
182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF103455.D

Acq: 6 Mar 2018 14:57

Instrument :

BNA_F

ClientSampleId :

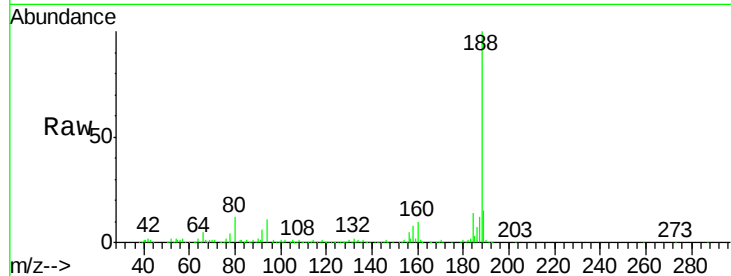
Tot Ion:188 Resp: 314598

Ion Ratio Lower Upper

188 100

94 11.4 8.5 12.7

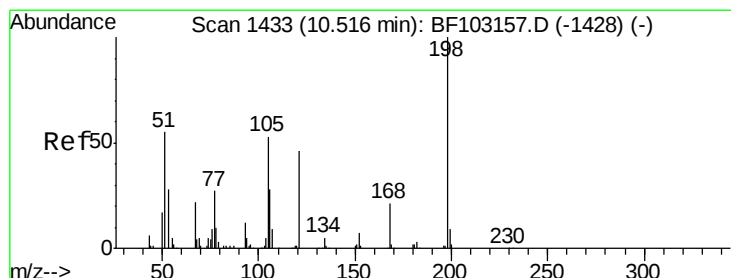
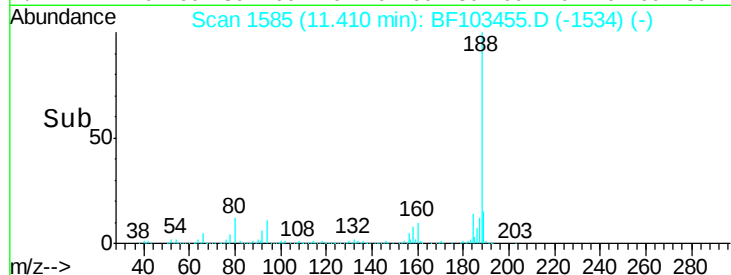
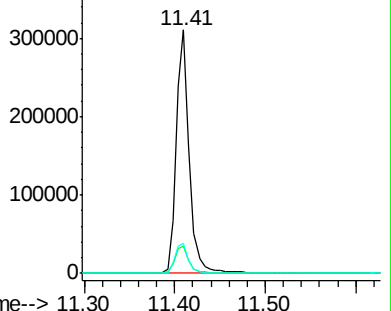
80 12.2 9.2 13.8



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: 5.018 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.18 min

Lab File: BF103455.D

Acq: 6 Mar 2018 14:57

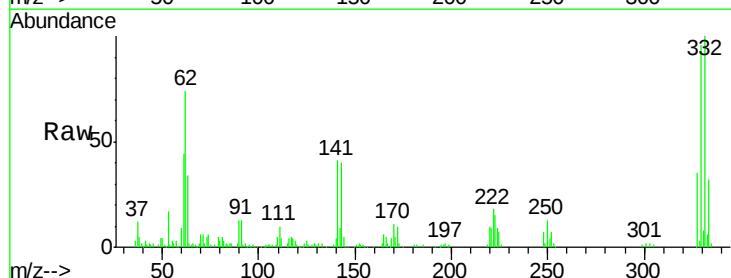
Tgt Ion:198 Resp: 155

Ion Ratio Lower Upper

198 100

51 233.9 37.7 77.7#

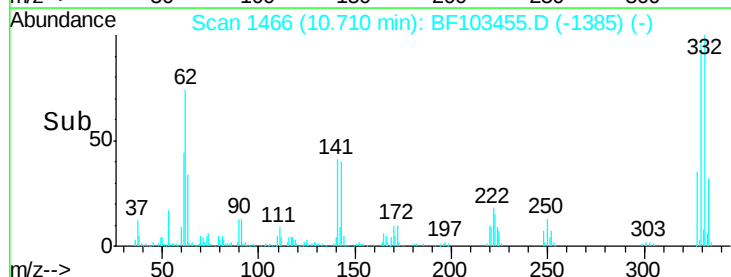
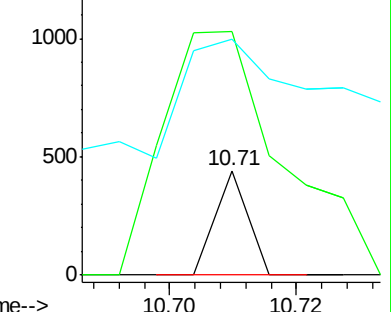
105 226.1 36.3 76.3#

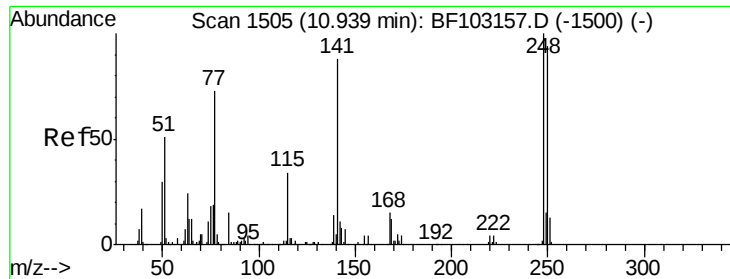


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

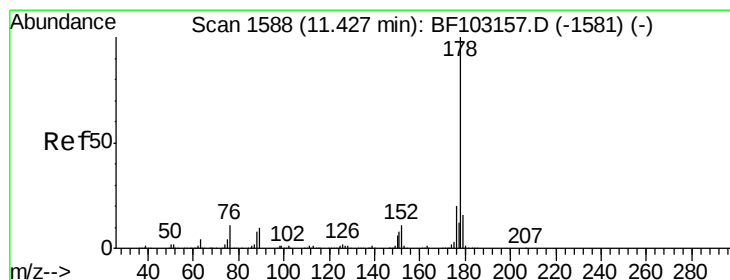
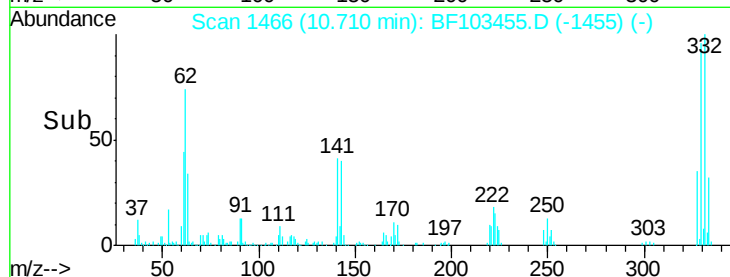
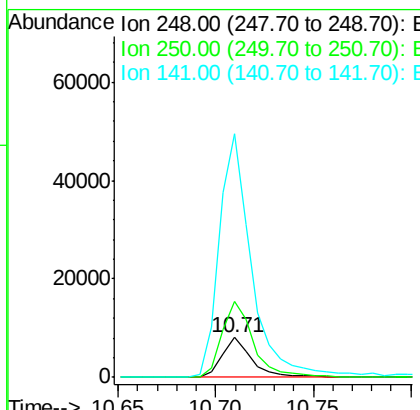
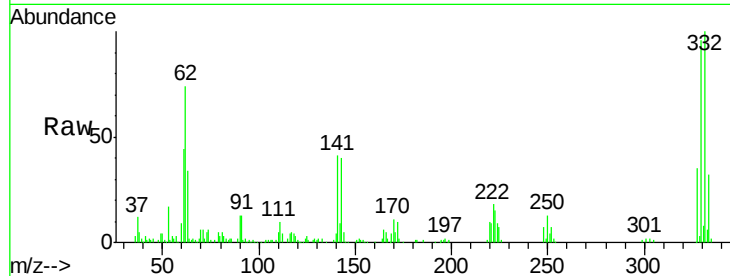




#66
 4-Bromophenyl-phenylether
 Concen: 2.632 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103455.D
 Acq: 6 Mar 2018 14:57

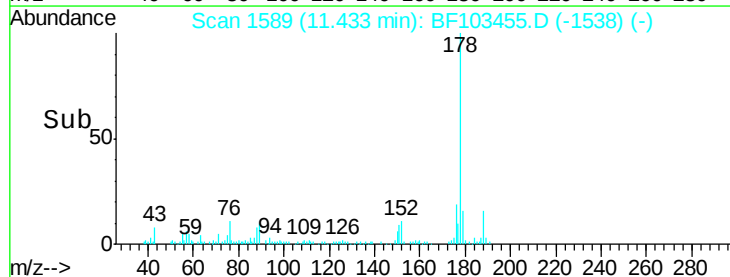
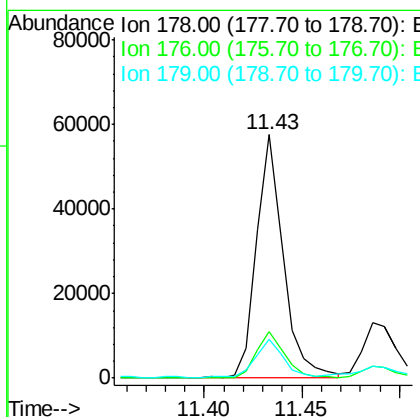
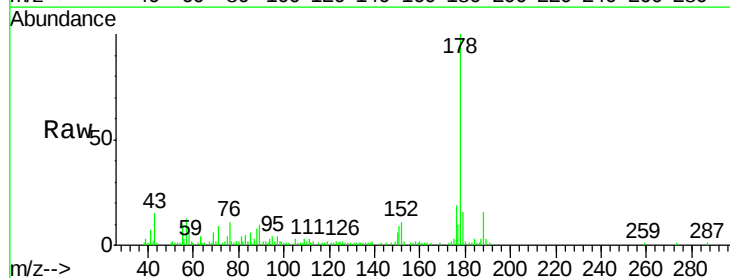
Instrument :
 BNA_F
 ClientSampleId :

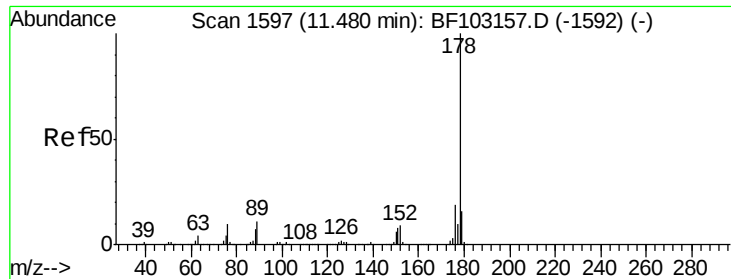
Tot Ion:248 Resp: 8626
 Ion Ratio Lower Upper
 248 100
 250 189.3 76.9 115.3#
 141 609.0 74.4 111.6#



#70
 Phenanthrene
 Concen: 3.190 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: BF103455.D
 Acq: 6 Mar 2018 14:57

Tgt Ion:178 Resp: 55226
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.8
 179 15.9 13.0 19.6

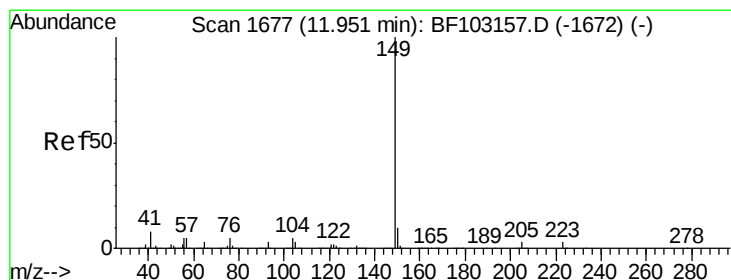
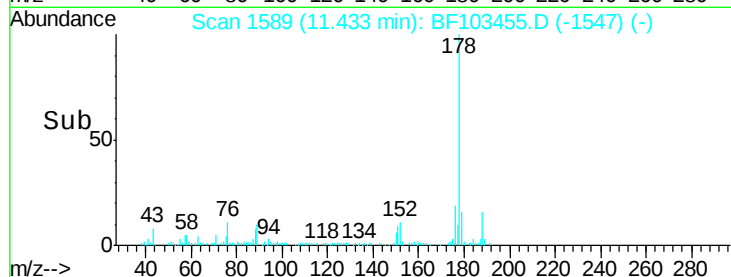
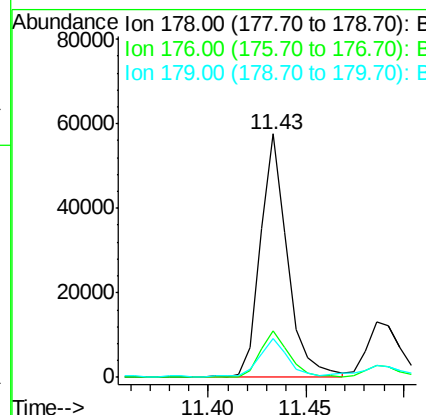
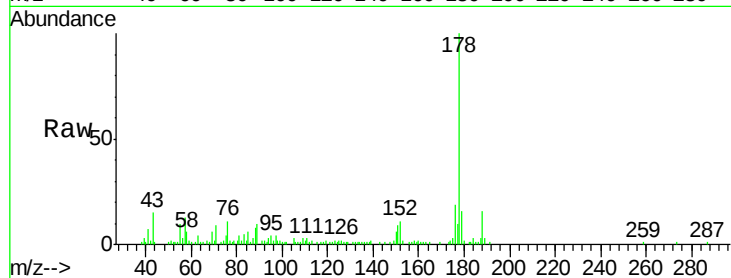




#71
 Anthracene
 Concen: 3.111 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.05 min
 Lab File: BF103455.D
 Acq: 6 Mar 2018 14:57

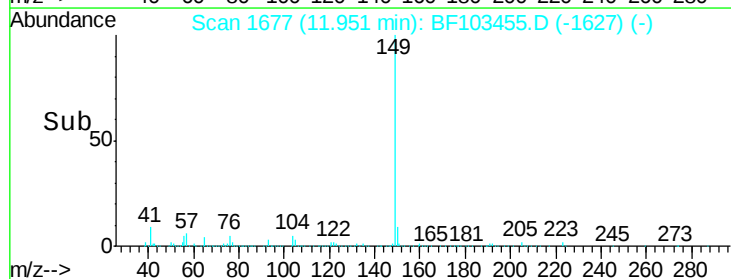
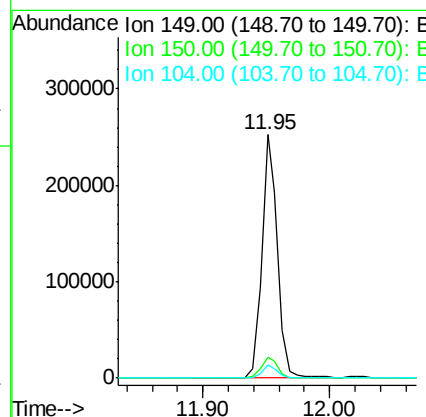
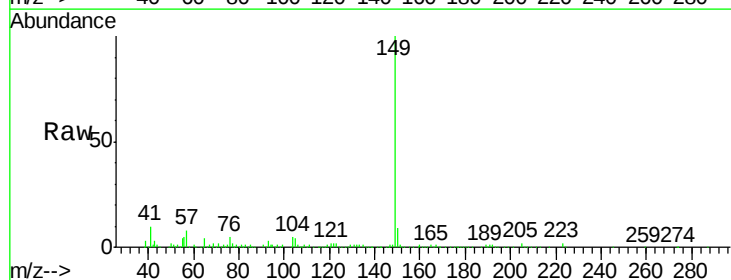
Instrument :
 BNA_F
 ClientSampleId :

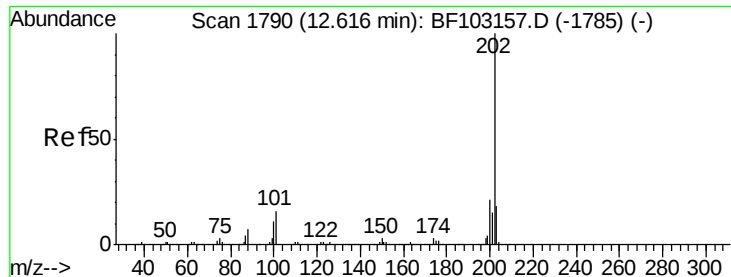
Tot Ion:178 Resp: 55226
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.2
 179 15.9 12.6 19.0



#73
 Di-n-butylphthalate
 Concen: 9.767 ng
 RT: 11.95 min Scan# 1677
 Delta R.T. -0.01 min
 Lab File: BF103455.D
 Acq: 6 Mar 2018 14:57

Tgt Ion:149 Resp: 216066
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.8 11.6
 104 5.4 3.8 5.8

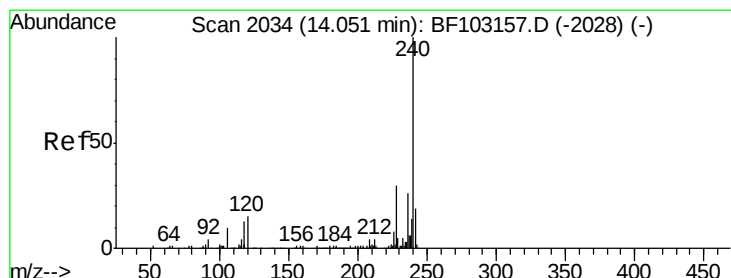
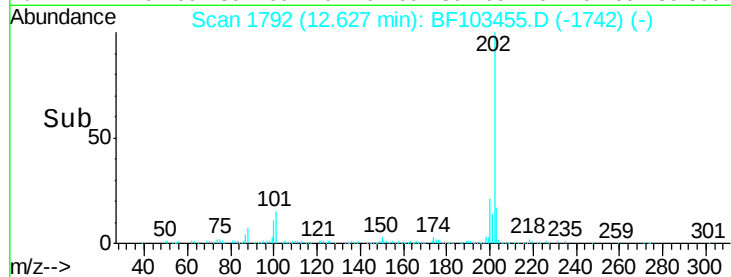
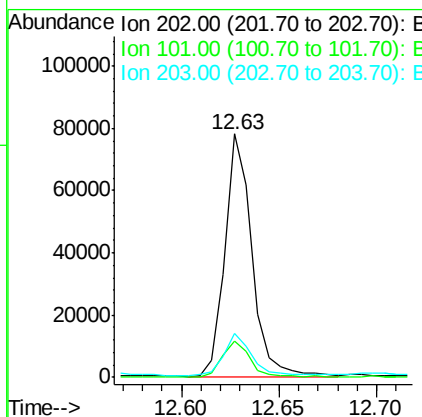
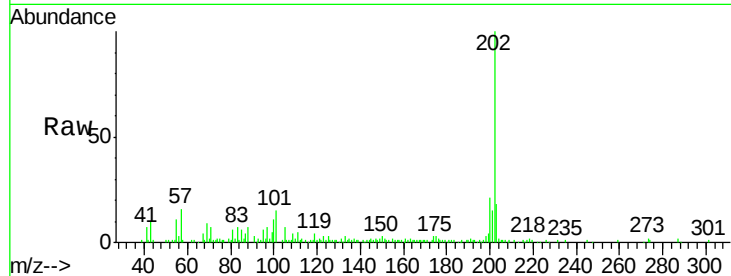




#74
 Fluoranthene
 Concen: 4.357 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BF103455.D
 Acq: 6 Mar 2018 14:57

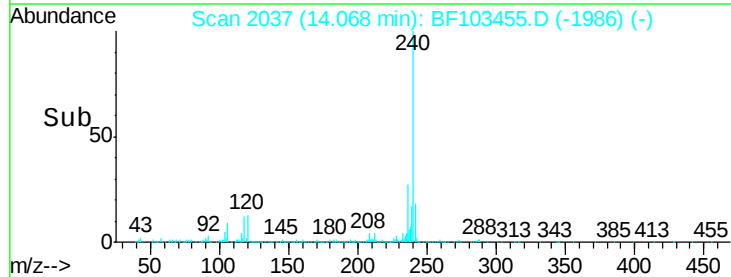
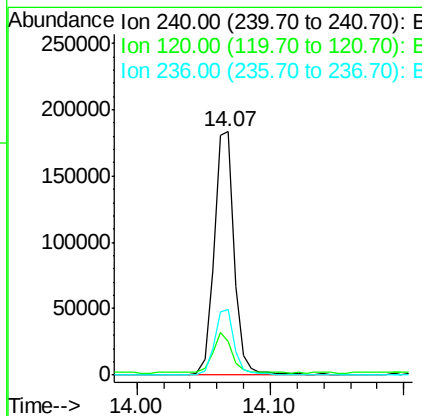
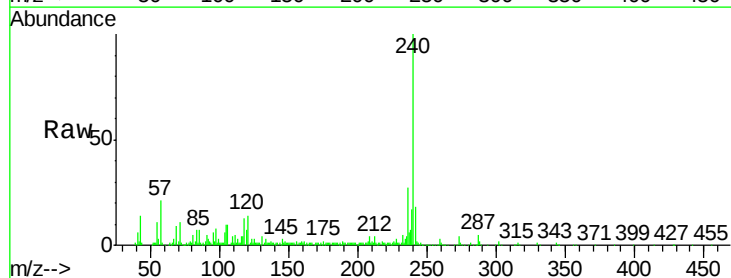
Instrument :
 BNA_F
 ClientSampleId :

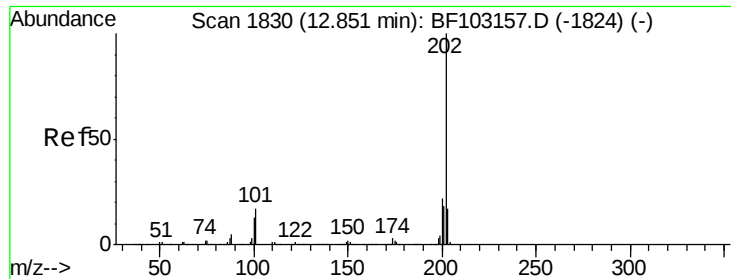
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	34.1
203	17.8	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: BF103455.D
 Acq: 6 Mar 2018 14:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.8	9.5	14.3
236	27.2	20.7	31.1

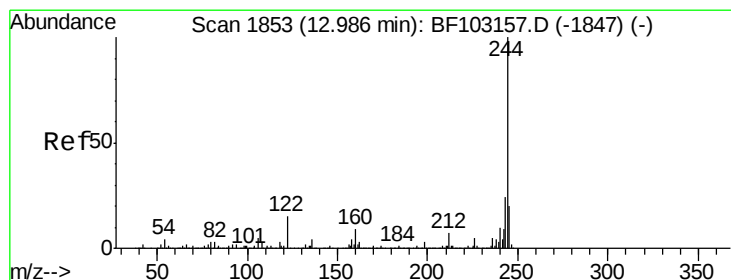
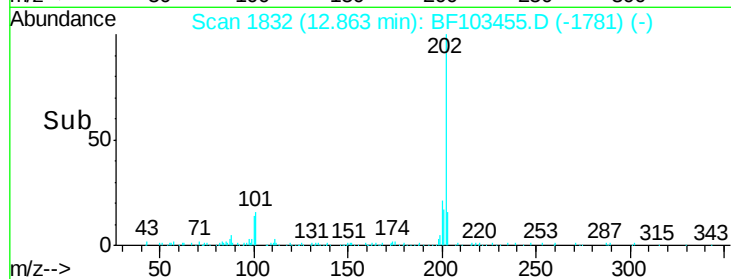
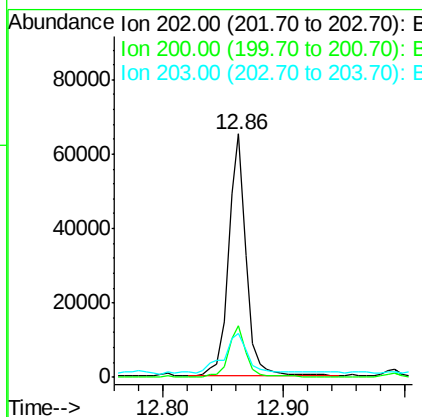
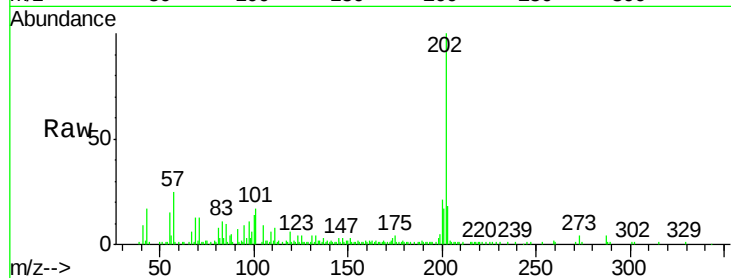




#77
Pvrene
Concen: 4.260 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.00 min
Lab File: BF103455.D
Acq: 6 Mar 2018 14:57

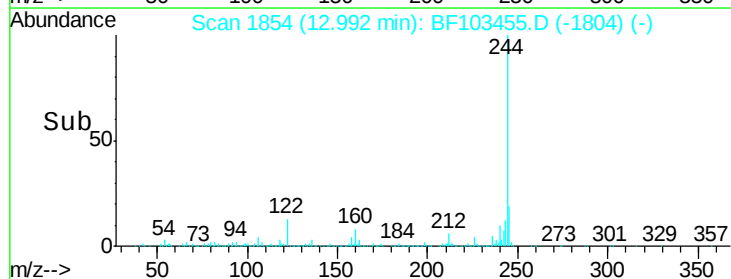
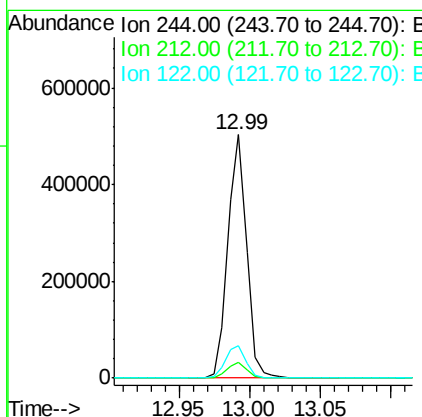
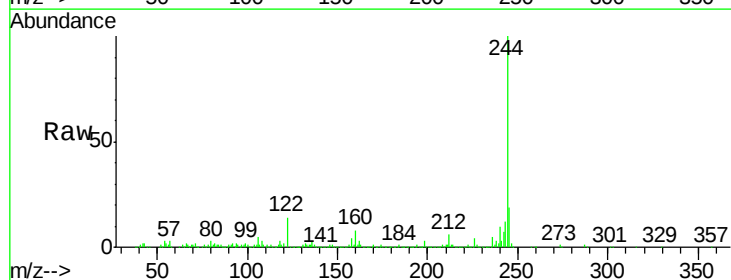
Instrument :
BNA_F
ClientSampleId :

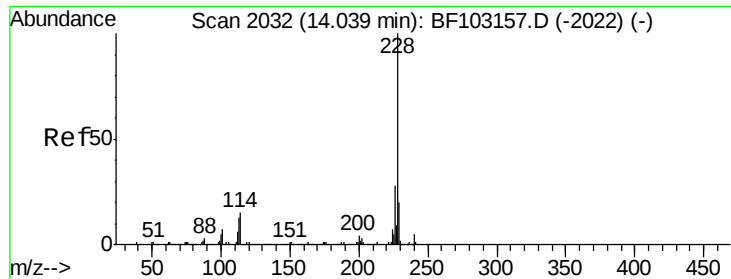
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	18.0	14.3	21.5



#78
Terphenyl-d14
Concen: 56.851 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF103455.D
Acq: 6 Mar 2018 14:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	13.5	11.0	16.4

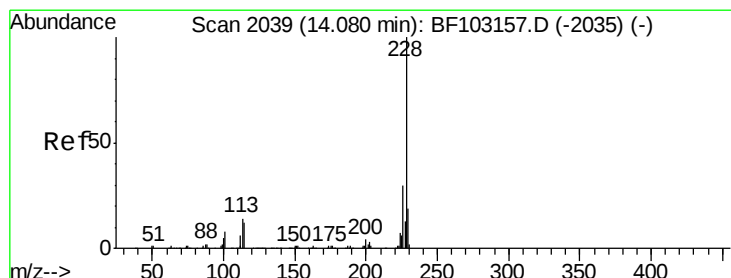
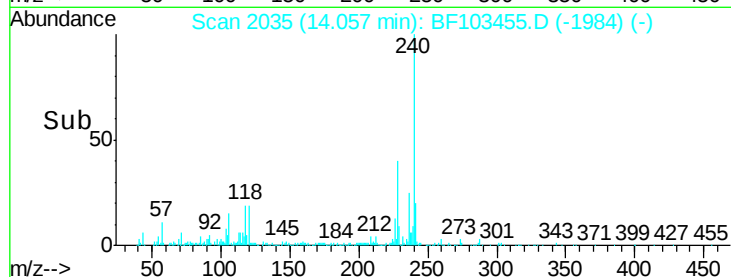
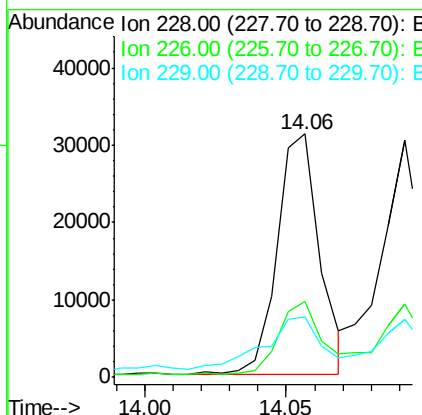
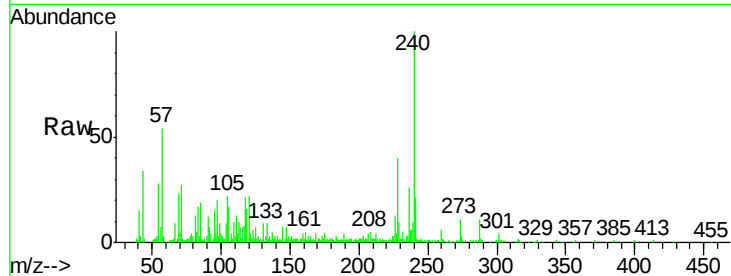




#80
Benzo(a)anthracene
Concen: 2.544 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BF103455.D
Acq: 6 Mar 2018 14:57

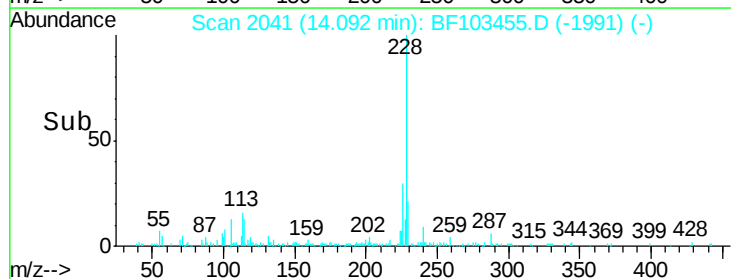
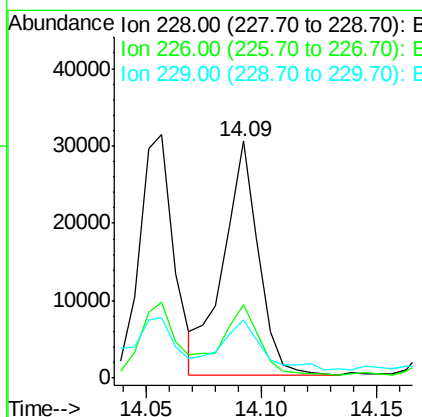
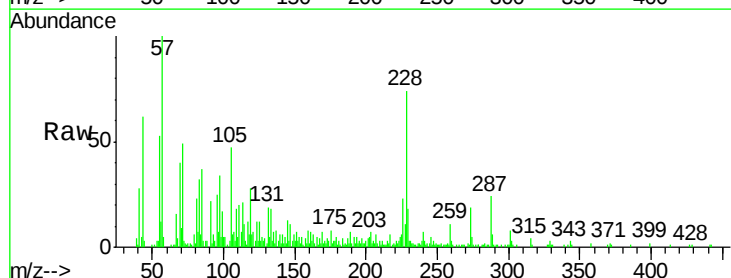
Instrument :
BNA_F
ClientSampleId :

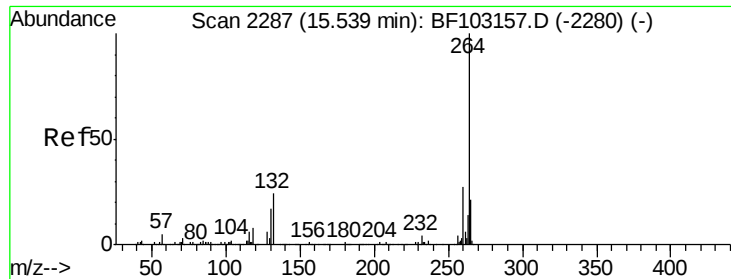
Tot Ion:228 Resp: 32299
Ion Ratio Lower Upper
228 100
226 31.1 22.6 33.8
229 24.6 15.8 23.6#



#82
Chrysene
Concen: 2.583 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103455.D
Acq: 6 Mar 2018 14:57

Tgt Ion:228 Resp: 31841
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 24.6 16.2 24.4#

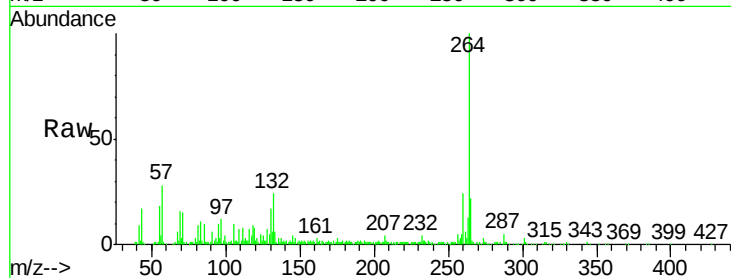




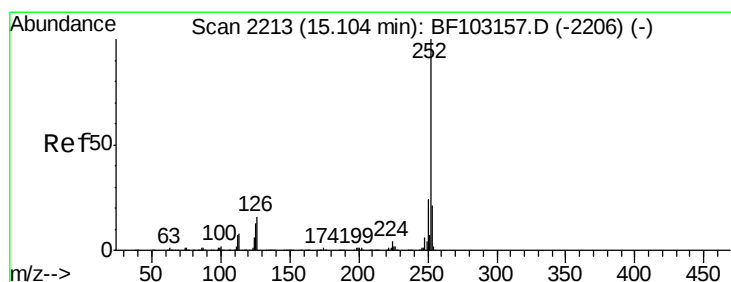
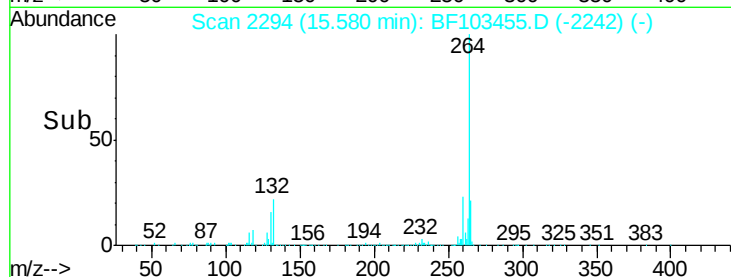
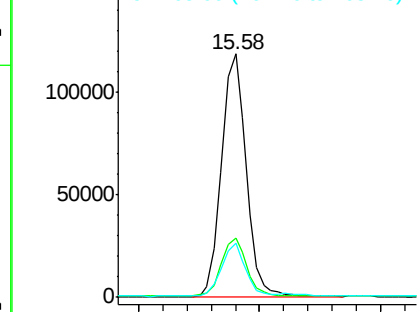
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103455.D
Acq: 6 Mar 2018 14:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 169463
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 22.0 17.5 26.3

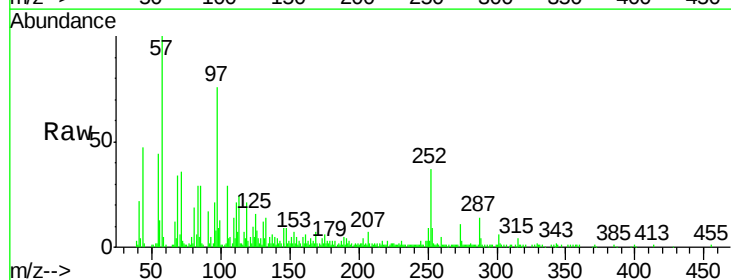


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

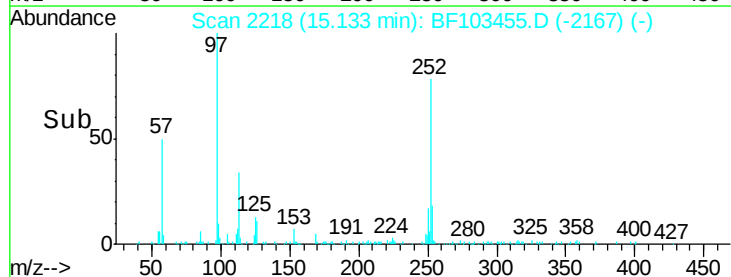
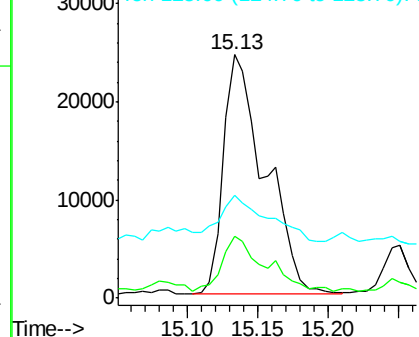


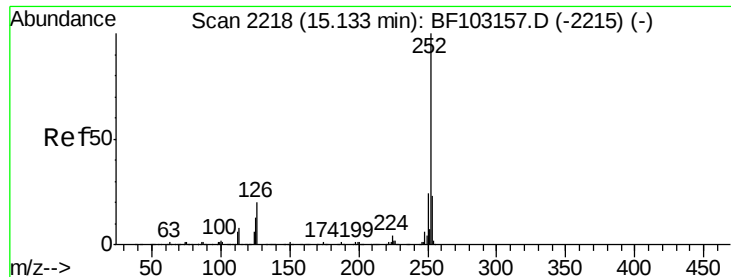
#87
Benzo(b)fluoranthene
Concen: 4.520 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF103455.D
Acq: 6 Mar 2018 14:57

Tgt Ion:252 Resp: 50362
Ion Ratio Lower Upper
252 100
253 25.5 17.0 25.6
125 42.1 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

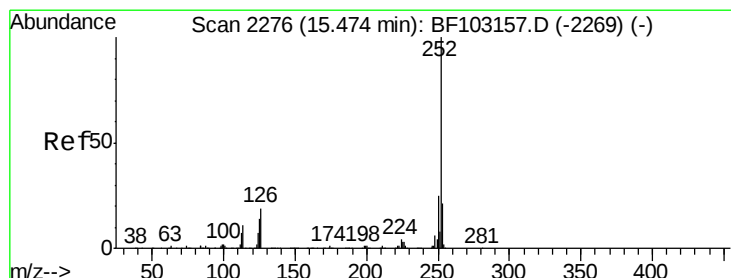
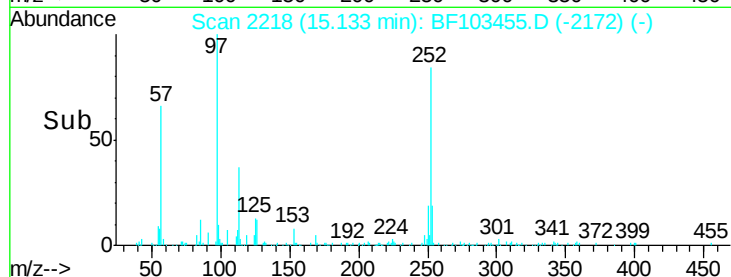
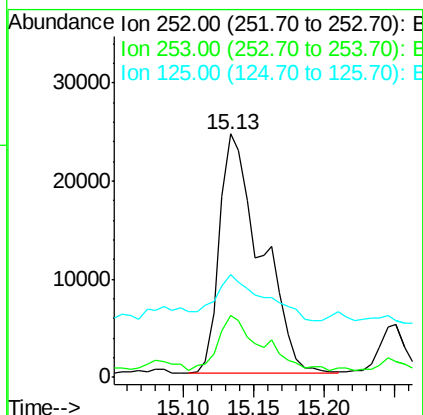
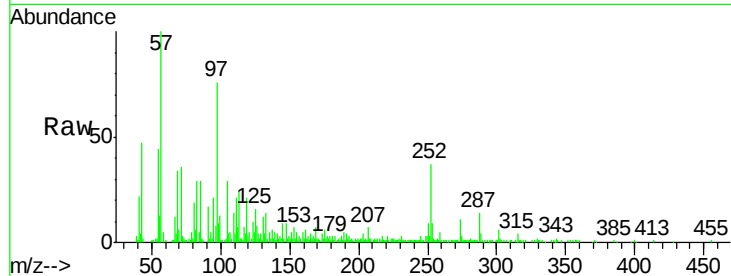




#88
Benzo(k)fluoranthene
Concen: 4.800 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103455.D
Acq: 6 Mar 2018 14:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.9	26.9
125	42.1	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 2.597 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF103455.D
Acq: 6 Mar 2018 14:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	42.8	9.8	14.6#

