

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030818\
 Data File : BF103526.D
 Acq On : 8 Mar 2018 19:35
 Operator : SJ/JU
 Sample : J1760-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 08 23:53:14 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 08 14:20:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	144843	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	557956	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	202725	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	312965	20.00	ng	0.00
75) Chrysene-d12	14.06	240	234248	20.00	ng	0.00
86) Perylene-d12	15.56	264	183626	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	440071	45.95	ng	0.00
7) Phenol-d6	6.50	99	570610	48.69	ng	0.00
23) Nitrobenzene-d5	7.43	82	333694	34.15	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	59012	34.39	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	501251	36.61	ng	0.00
78) Terphenyl-d14	12.98	244	327690	33.63	ng	0.00

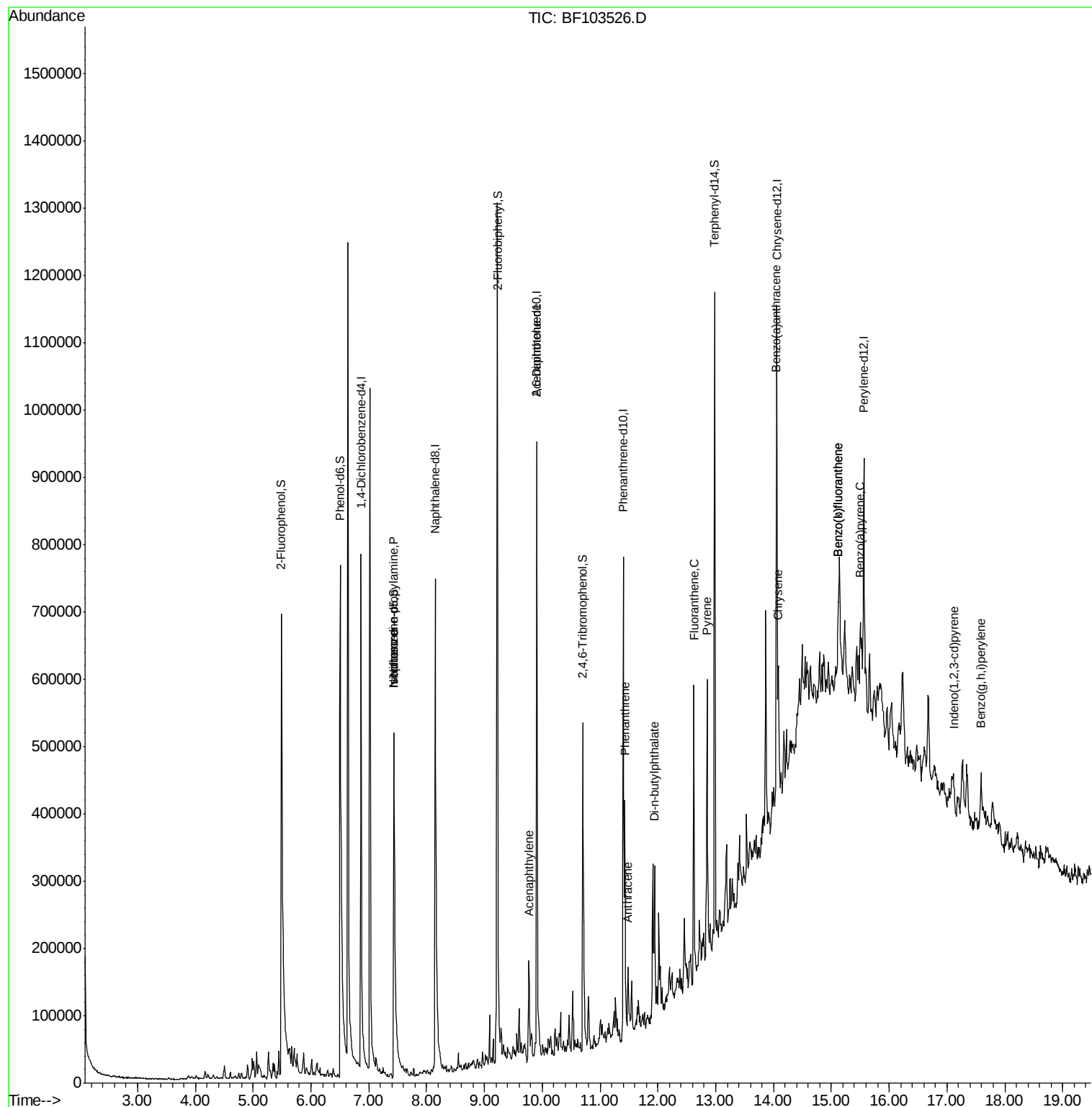
Target Compounds				Qvalue		
9) Benzaldehyde	6.42	77	343	Below Cal	#	16
19) n-Nitroso-di-n-propylamine	7.43	70	41158	5.643 ng	#	86
25) Isophorone	7.43	82	334053	17.360 ng	#	64
48) Acenaphthylene	9.77	152	75242	3.639 ng		100
50) 2,6-Dinitrotoluene	9.90	165	27669	8.107 ng	#	26
70) Phenanthrene	11.43	178	137357	7.975 ng		98
71) Anthracene	11.48	178	57092	3.233 ng		99
73) Di-n-butylphthalate	11.94	149	81498	3.703 ng		99
74) Fluoranthene	12.62	202	181851	10.507 ng		99
77) Pyrene	12.85	202	177125	9.698 ng		99
80) Benzo(a)anthracene	14.04	228	80952	5.326 ng		96
82) Chrysene	14.08	228	80805	5.475 ng		95
85) Indeno(1,2,3-cd)pyrene	17.11	276	37585	3.217 ng		94
87) Benzo(b)fluoranthene	15.12	252	114113	9.452 ng	#	85
88) Benzo(k)fluoranthene	15.12	252	114113	10.037 ng	#	88
89) Benzo(a)pyrene	15.50	252	64546	5.987 ng	#	85
91) Benzo(a,h,i)perylene	17.58	276	41348	5.078 ng	#	88

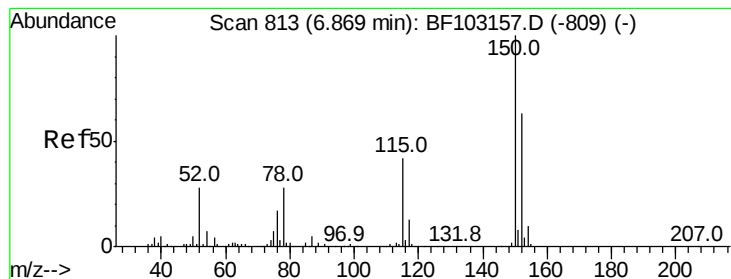
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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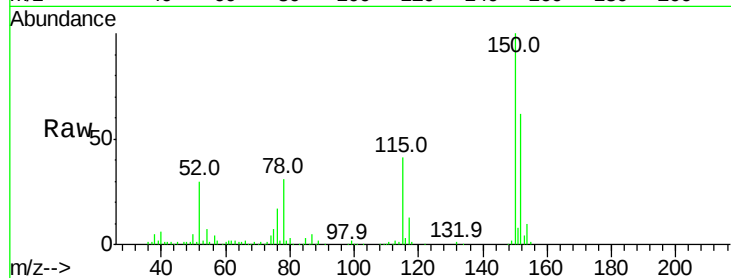


#1

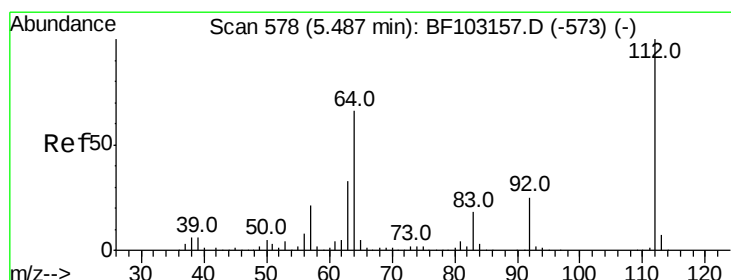
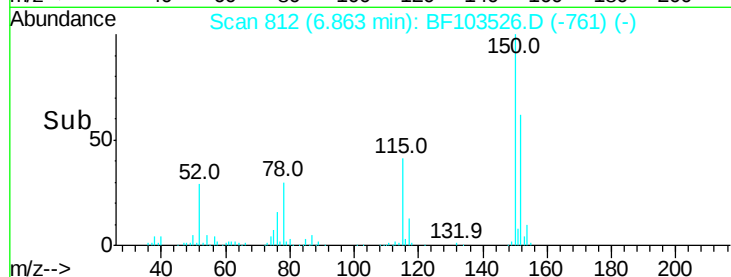
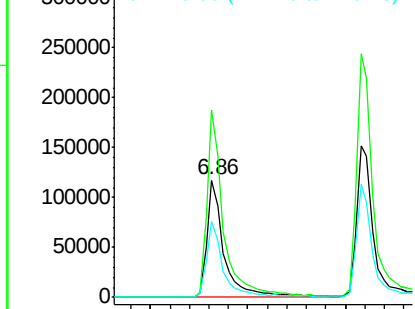
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF103526.D
Acq: 8 Mar 2018 19:35

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 144843
Ion Ratio Lower Upper
152 100
150 160.5 124.6 186.8
115 65.1 50.1 75.1



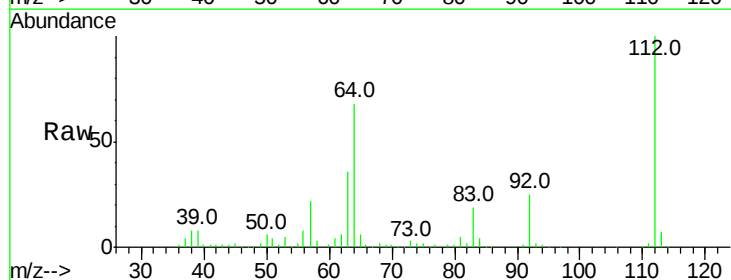
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



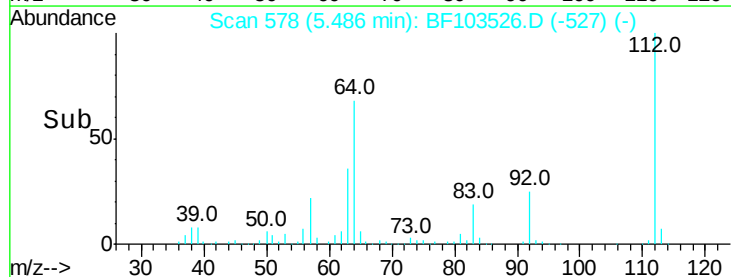
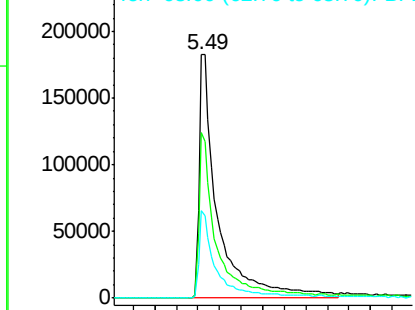
#5

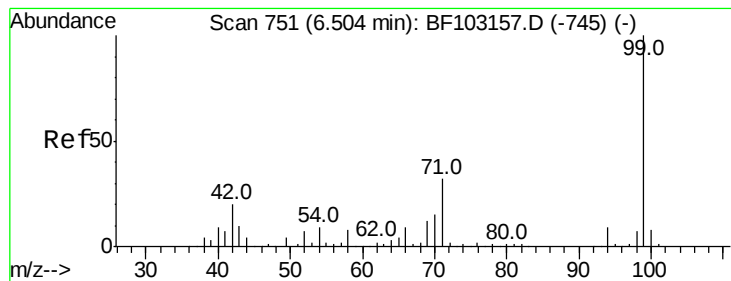
2-Fluorophenol
Concen: 45.952 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.00 min
Lab File: BF103526.D
Acq: 8 Mar 2018 19:35

Tgt Ion:112 Resp: 440071
Ion Ratio Lower Upper
112 100
64 67.8 47.9 71.9
63 36.0 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: 48.692 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF103526.D

Acq: 8 Mar 2018 19:35

Instrument :

BNA_F

ClientSampled :

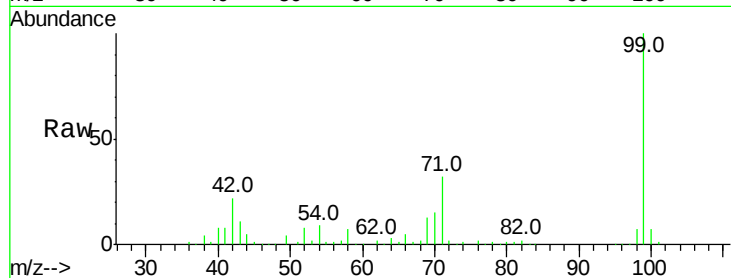
Tot Ion: 99 Resp: 570610

Ion Ratio Lower Upper

99 100

42 22.2 14.5 21.7#

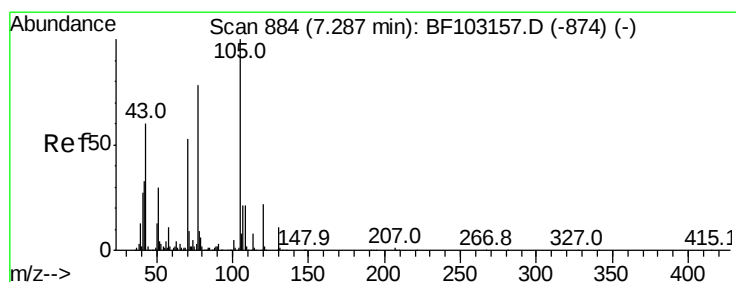
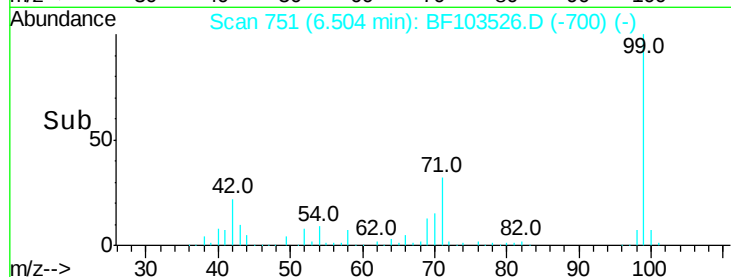
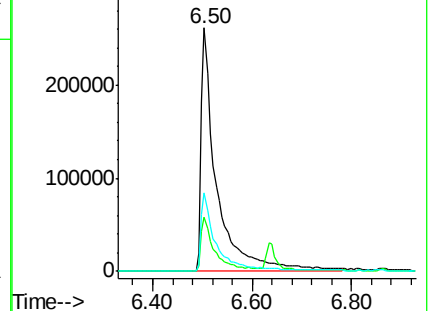
71 32.1 25.4 38.0



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: 5.643 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.16 min

Lab File: BF103526.D

Acq: 8 Mar 2018 19:35

Tgt Ion: 70 Resp: 41158

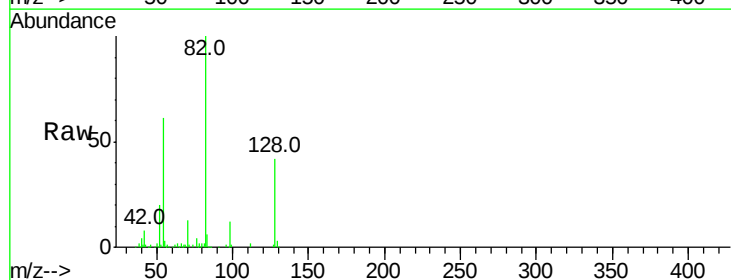
Ion Ratio Lower Upper

70 100

42 57.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

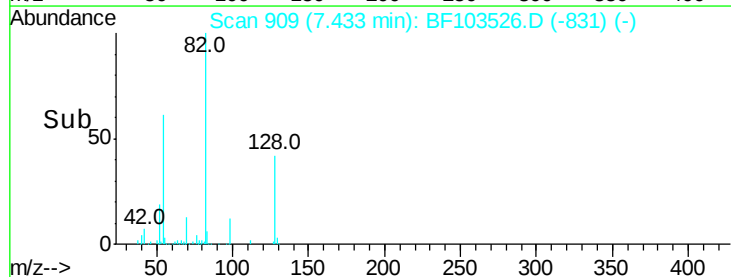
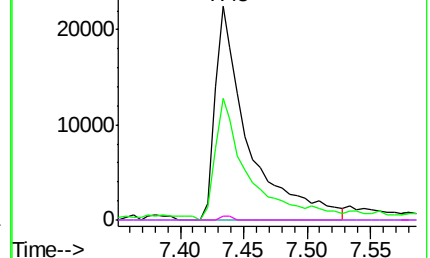


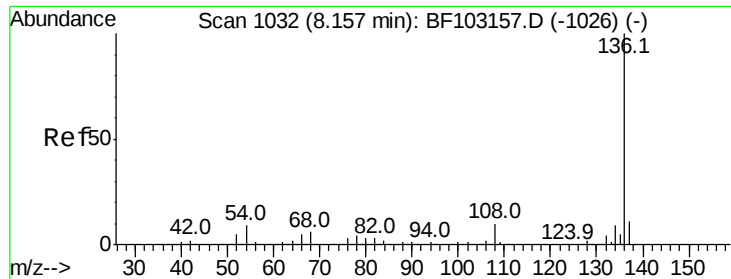
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

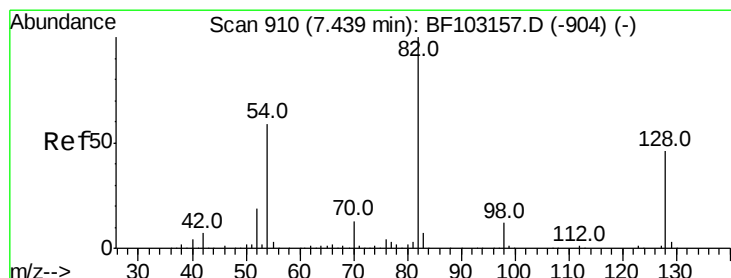
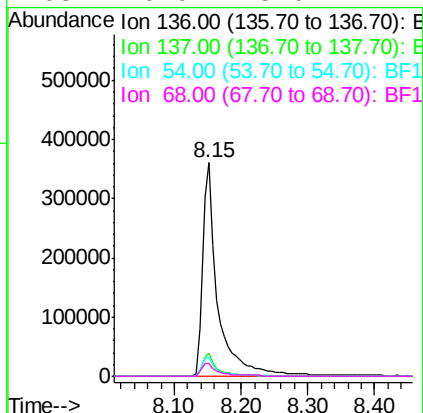
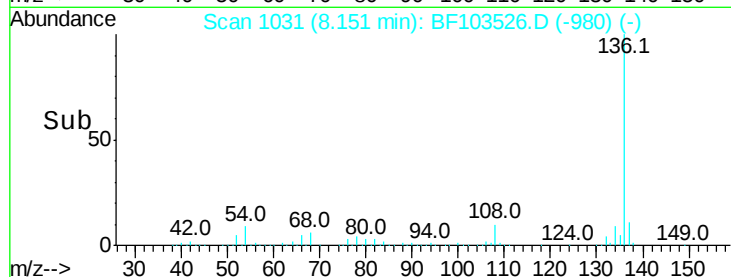
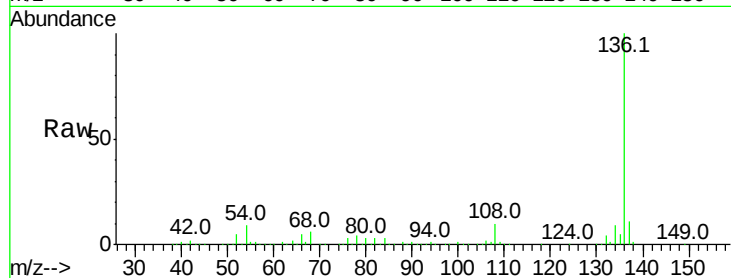




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BF103526.D
Acq: 8 Mar 2018 19:35

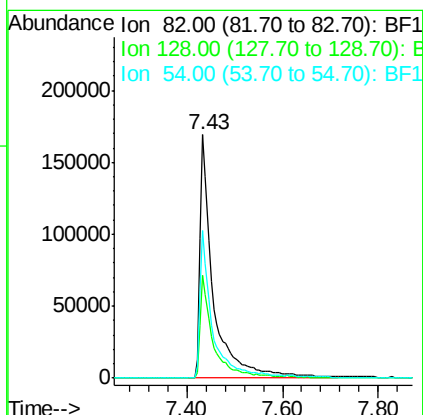
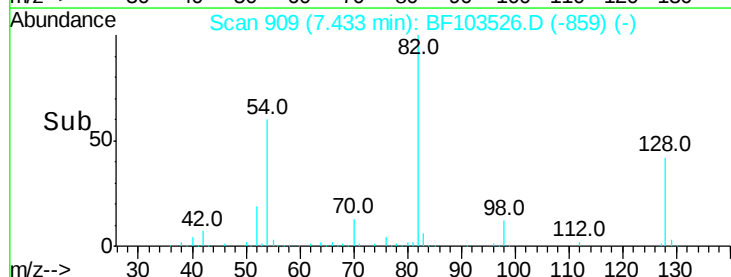
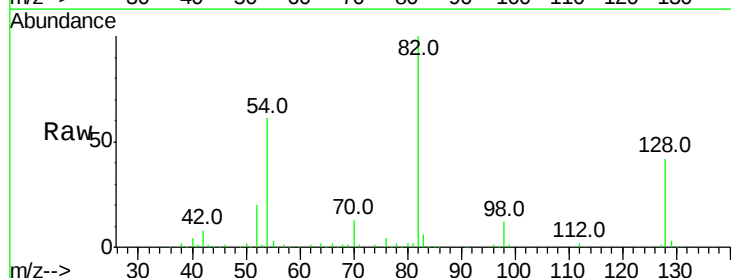
Instrument :
BNA_F
ClientSampleId :

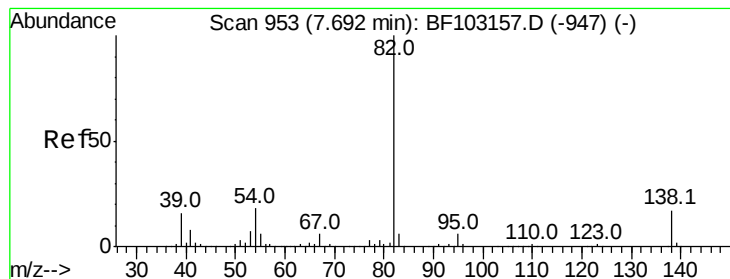
Tot Ion:136	Resp:	557956
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	8.8	6.6 9.8
68	6.0	5.0 7.4



#23
Nitrobenzene-d5
Concen: 34.155 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103526.D
Acq: 8 Mar 2018 19:35

Tgt Ion: 82	Resp:	333694
Ion Ratio	Lower	Upper
82	100	
128	42.1	36.1 54.1
54	60.6	41.4 62.2





#25

Isophorone

Concen: 17.360 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.25 min

Lab File: BF103526.D

Acq: 8 Mar 2018 19:35

Instrument :

BNA_F

ClientSampled :

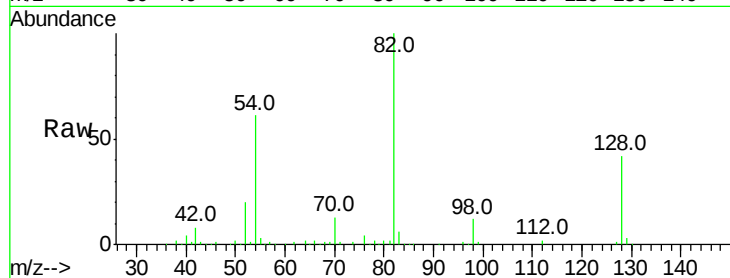
Tot Ion: 82 Resp: 334053

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

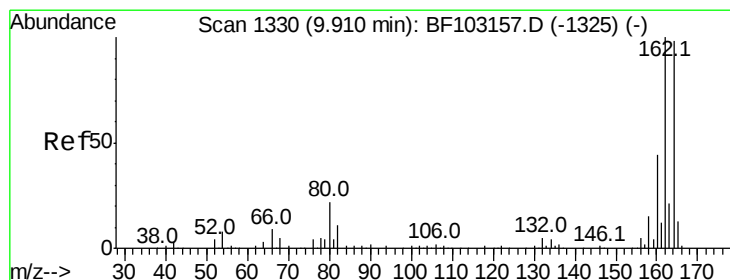
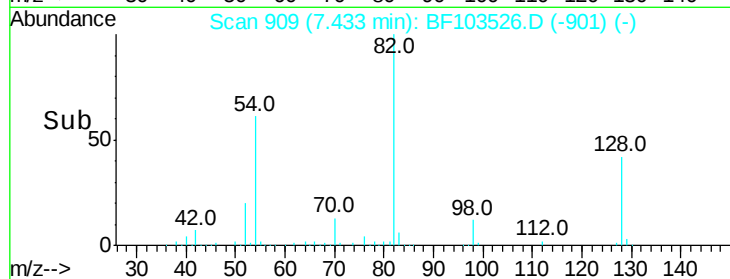
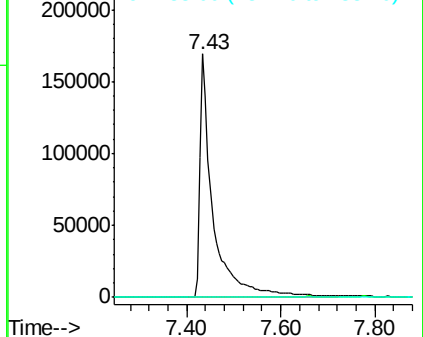
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF103526.D

Acq: 8 Mar 2018 19:35

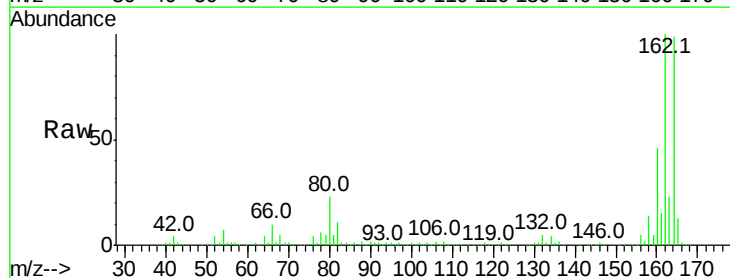
Tgt Ion:164 Resp: 202725

Ion Ratio Lower Upper

164 100

162 101.0 86.1 129.1

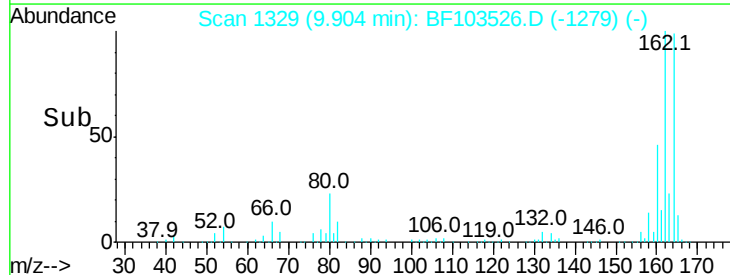
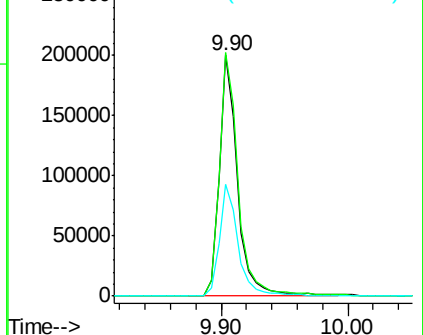
160 46.6 38.3 57.5

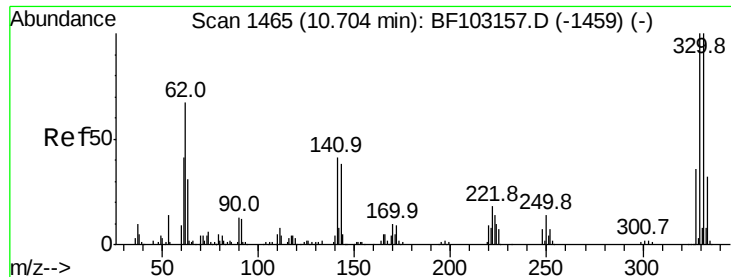


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

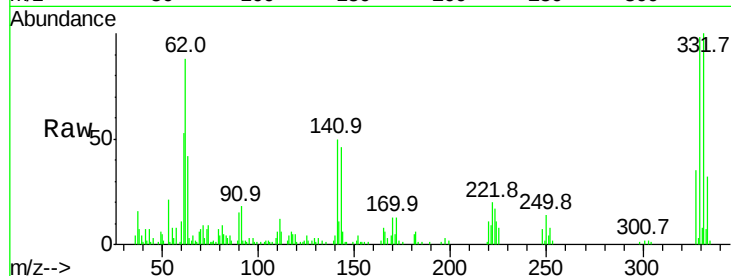




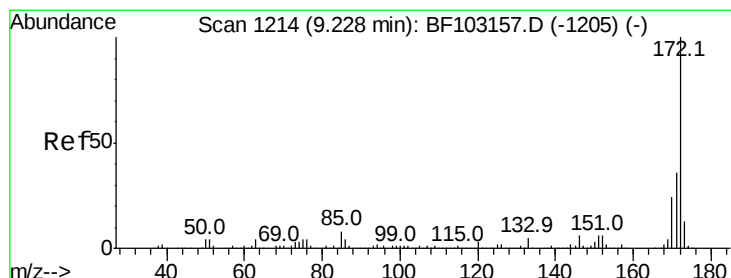
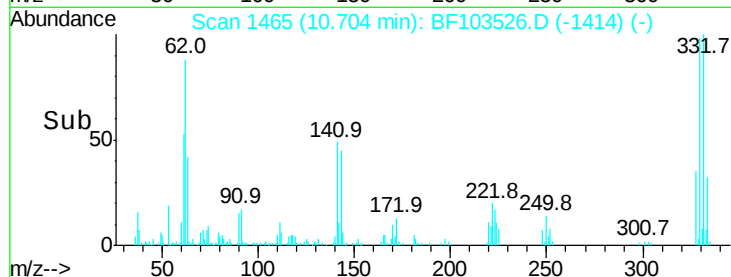
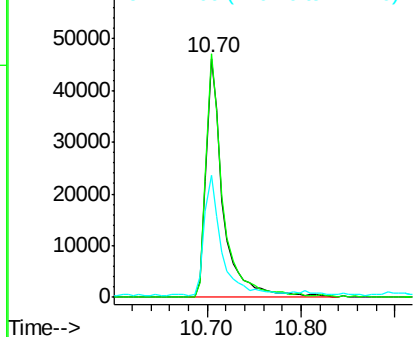
#41
 2,4,6-Tribromophenol
 Concen: 34.390 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: BF103526.D
 Acq: 8 Mar 2018 19:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 59012
 Ion Ratio Lower Upper
 330 100
 332 100.9 77.0 115.6
 141 49.5 29.9 44.9#

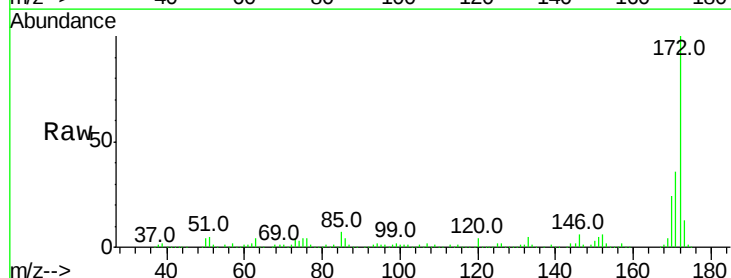


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

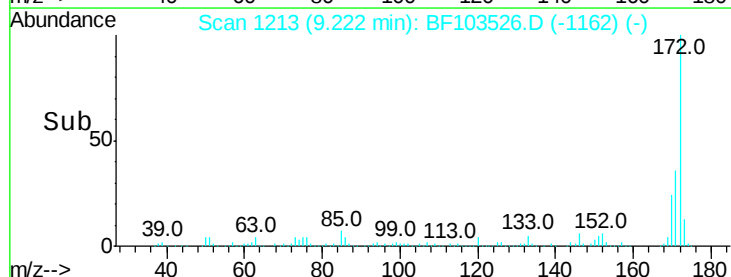
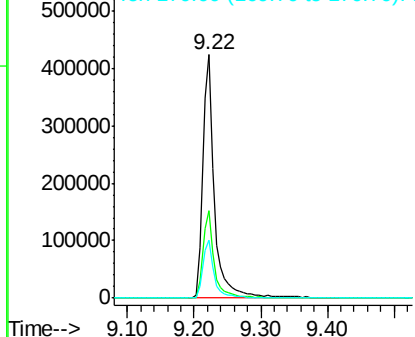


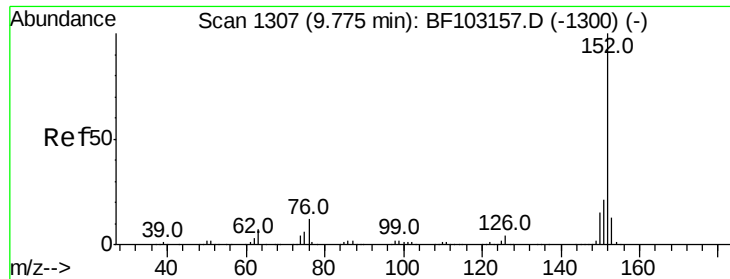
#44
 2-Fluorobiphenyl
 Concen: 36.615 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: BF103526.D
 Acq: 8 Mar 2018 19:35

Tgt Ion:172 Resp: 501251
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 24.0 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

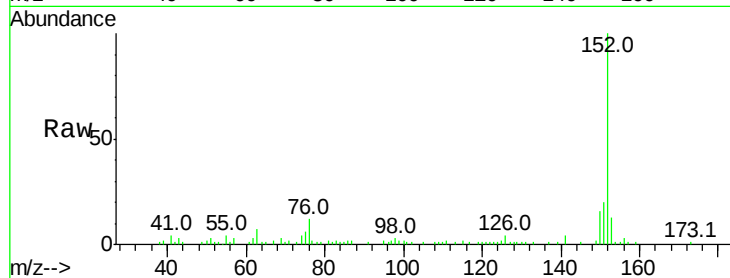




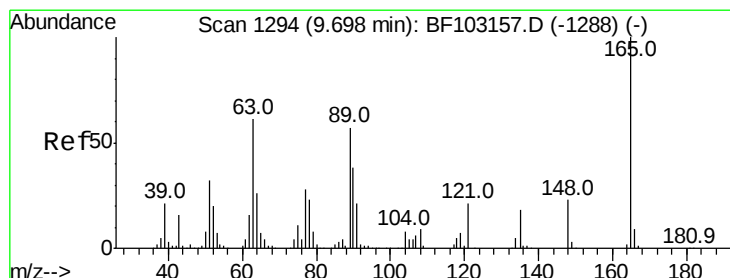
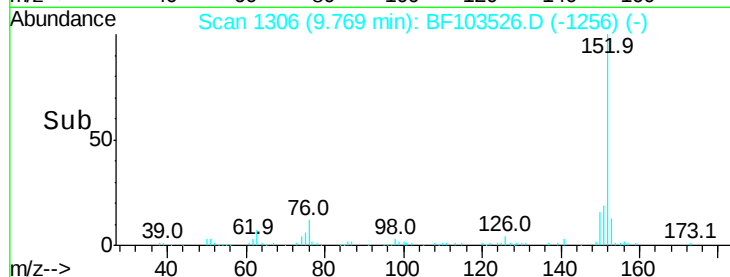
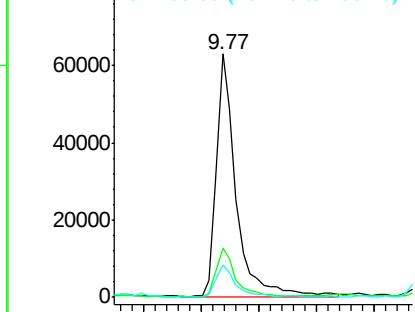
#48
Acenaphthylene
Concen: 3.639 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF103526.D
Acq: 8 Mar 2018 19:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 75242
Ion Ratio Lower Upper
152 100
151 20.2 16.3 24.5
153 13.2 10.7 16.1

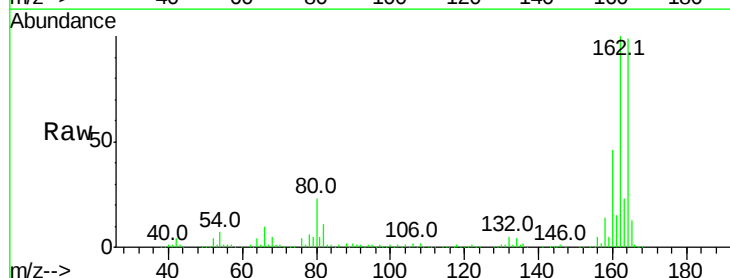


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

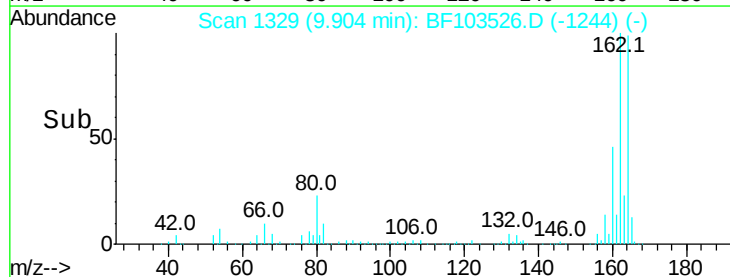
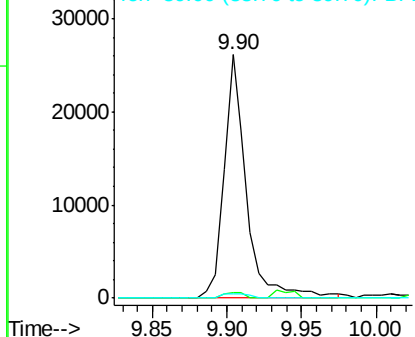


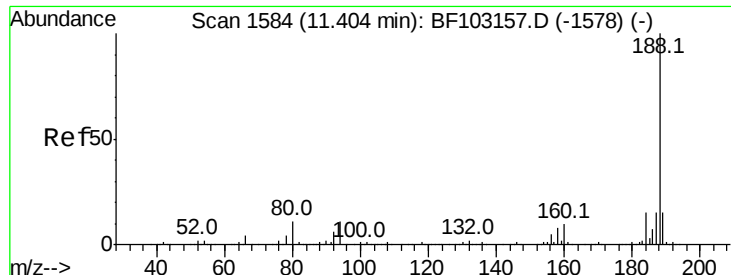
#50
2,6-Dinitrotoluene
Concen: 8.107 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.20 min
Lab File: BF103526.D
Acq: 8 Mar 2018 19:35

Tgt Ion:165 Resp: 27669
Ion Ratio Lower Upper
165 100
63 2.3 44.7 67.1#
89 1.6 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BF103526.D

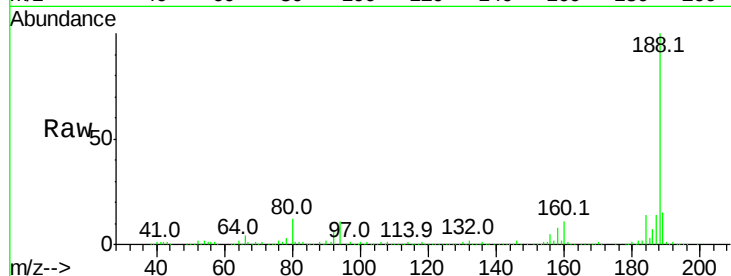
Acq: 8 Mar 2018 19:35

Instrument :

BNA_F

ClientSampleId :

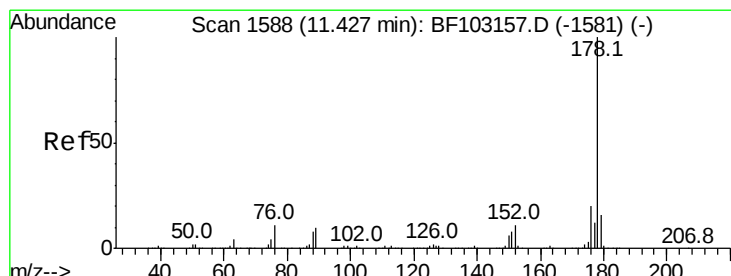
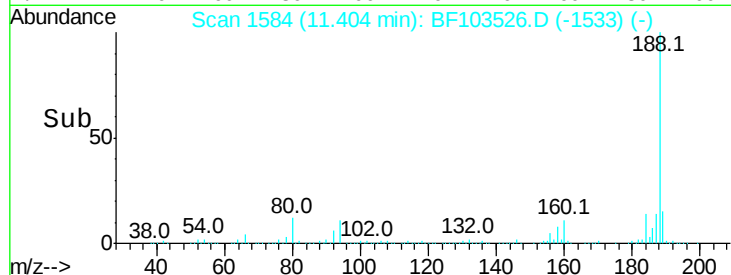
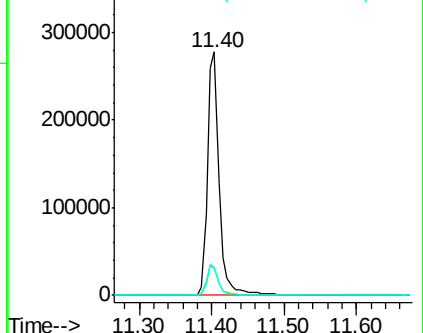
Tot Ion:	188	Resp:	312965
Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	11.7	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 7.975 ng

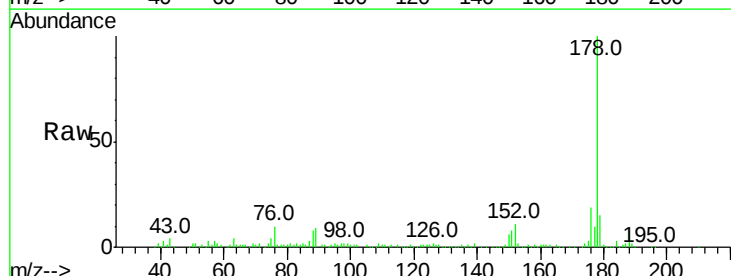
RT: 11.43 min Scan# 1588

Delta R.T. -0.00 min

Lab File: BF103526.D

Acq: 8 Mar 2018 19:35

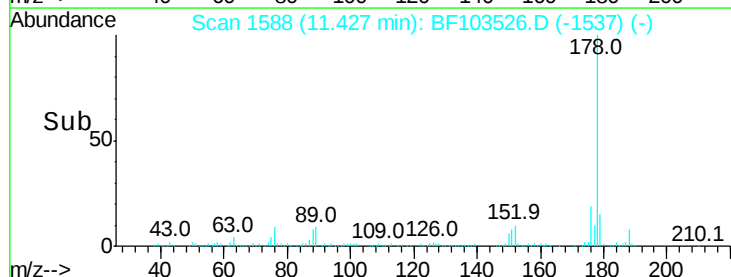
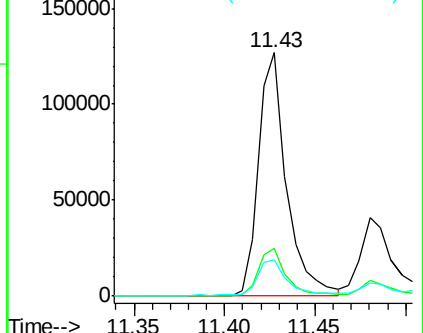
Tgt Ion:	178	Resp:	137357
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	14.9	13.0	19.6

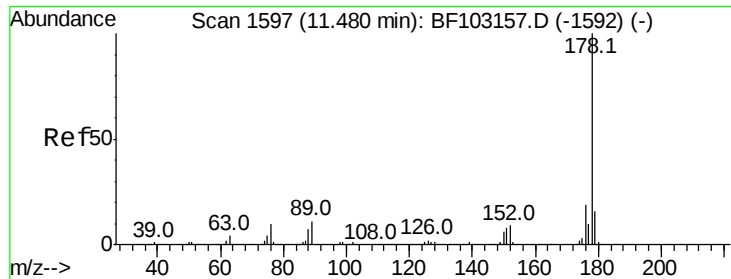


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

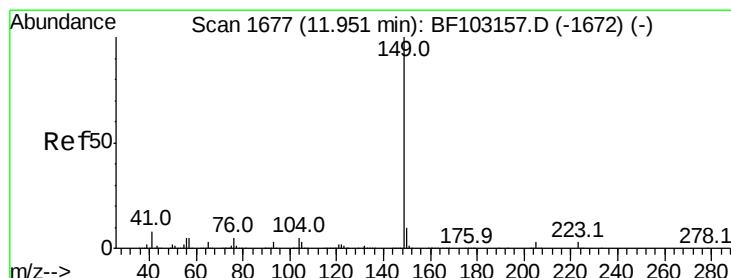
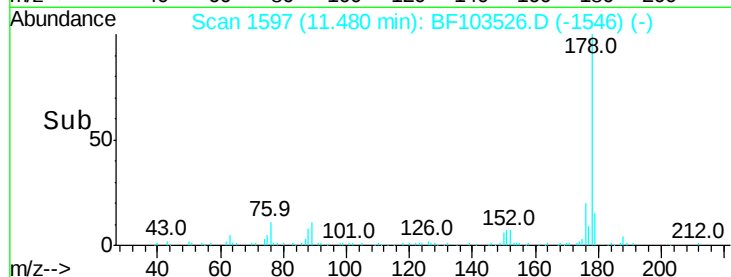
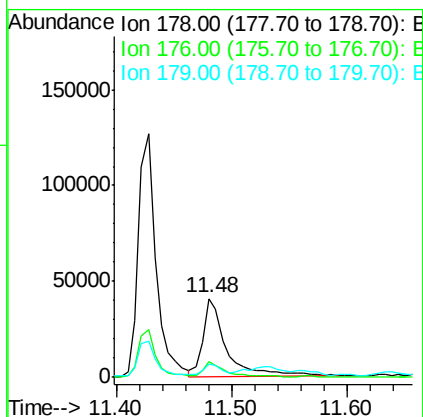
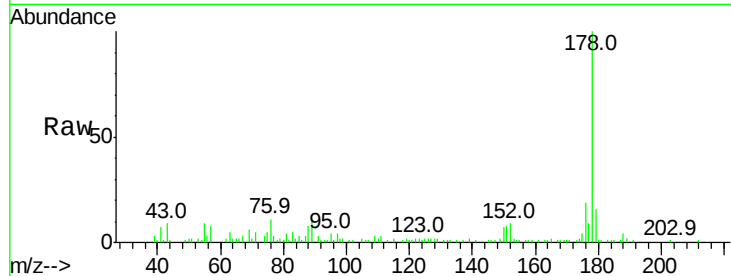




#71
 Anthracene
 Concen: 3.233 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: BF103526.D
 Acq: 8 Mar 2018 19:35

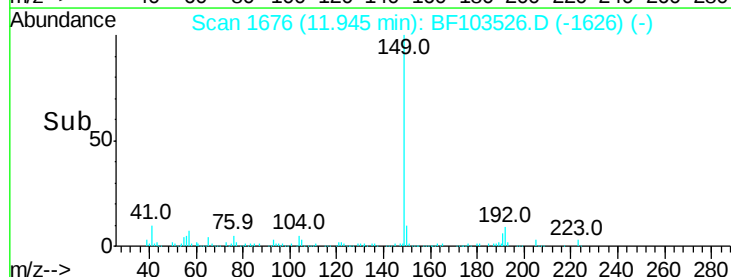
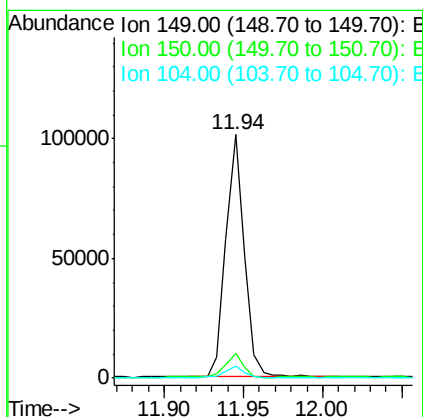
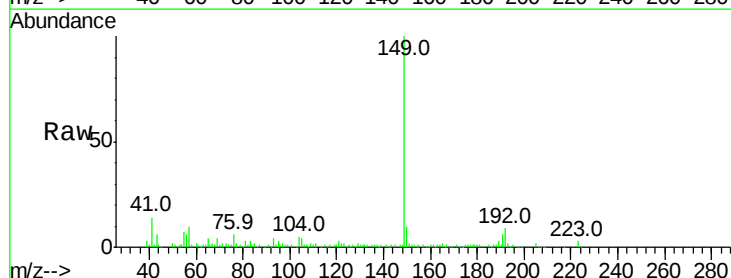
Instrument :
 BNA_F
 ClientSampleId :

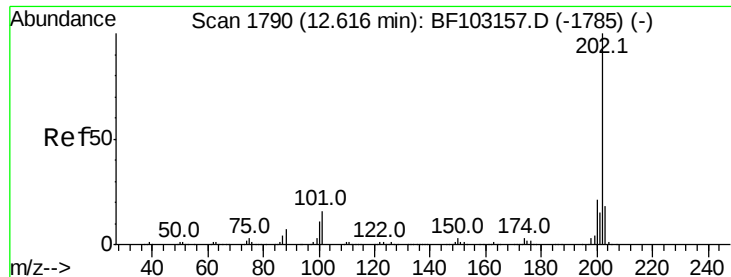
Tot Ion:178 Resp: 57092
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.2
 179 16.5 12.6 19.0



#73
 Di-n-butylphthalate
 Concen: 3.703 ng
 RT: 11.94 min Scan# 1676
 Delta R.T. -0.01 min
 Lab File: BF103526.D
 Acq: 8 Mar 2018 19:35

Tgt Ion:149 Resp: 81498
 Ion Ratio Lower Upper
 149 100
 150 9.9 7.8 11.6
 104 5.2 3.8 5.8





#74

Fluoranthene

Concen: 10.507 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF103526.D

Acq: 8 Mar 2018 19:35

Instrument :

BNA_F

ClientSampleId :

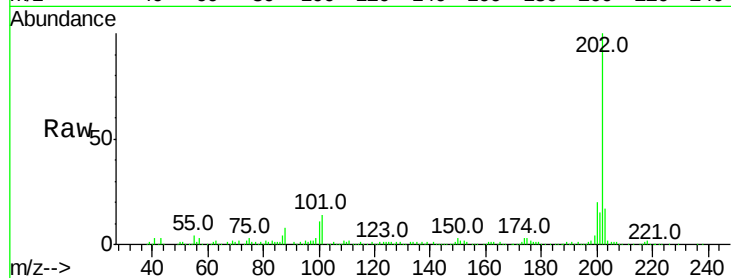
Tot Ion:202 Resp: 181851

Ion Ratio Lower Upper

202 100

101 13.8 0.0 34.1

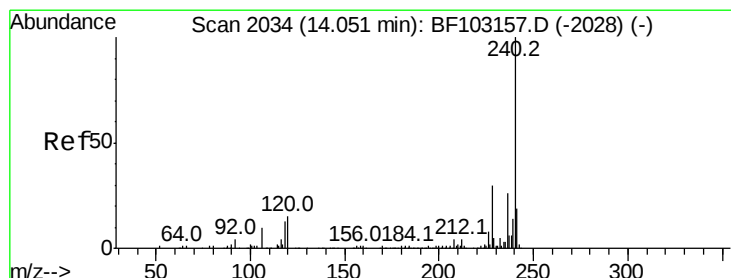
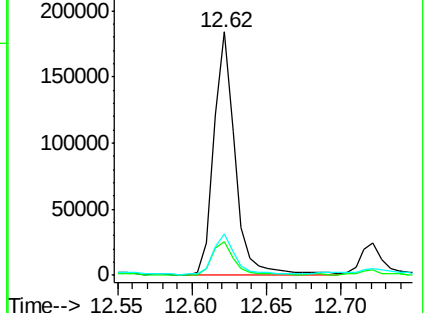
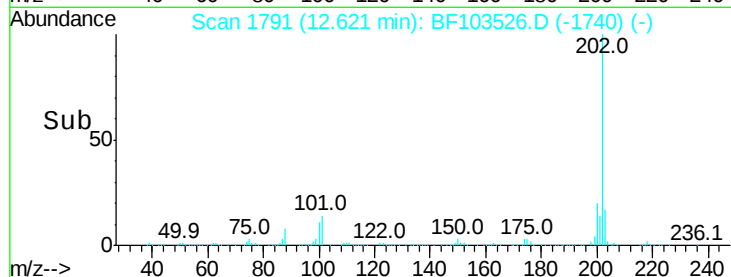
203 17.2 0.0 38.1



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: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF103526.D

Acq: 8 Mar 2018 19:35

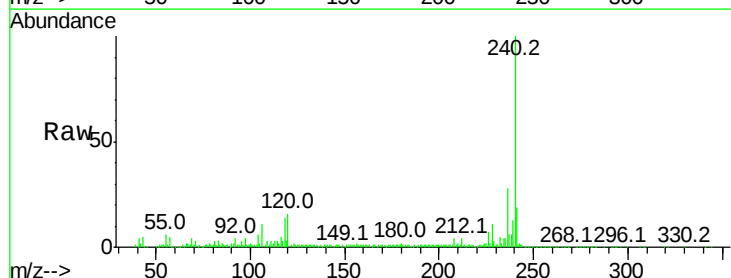
Tgt Ion:240 Resp: 234248

Ion Ratio Lower Upper

240 100

120 16.2 9.5 14.3#

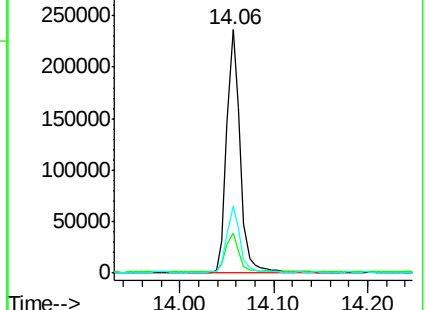
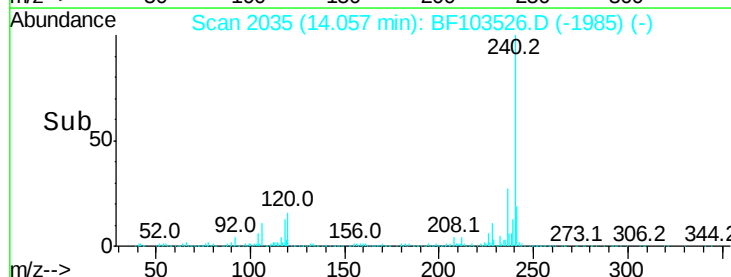
236 27.6 20.7 31.1

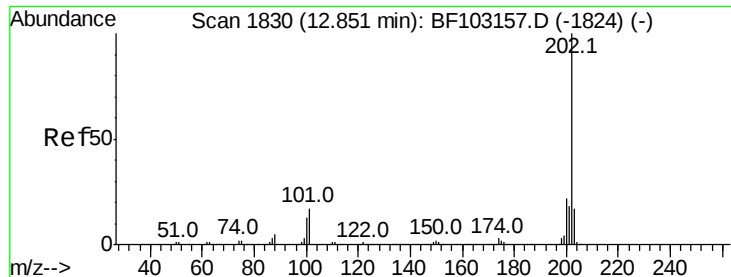


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

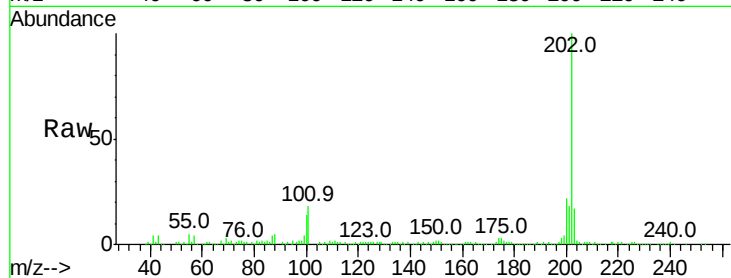




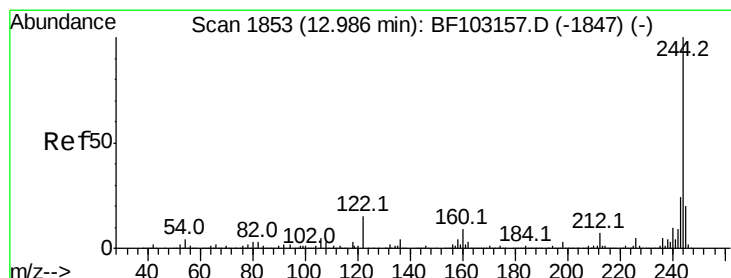
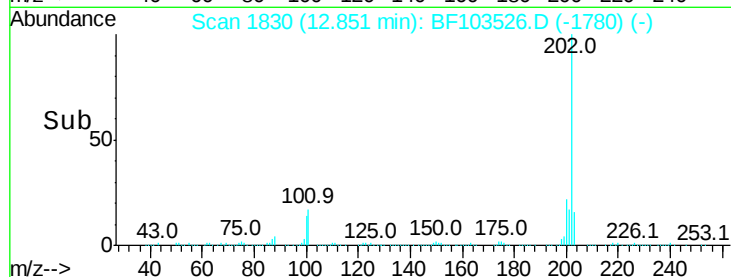
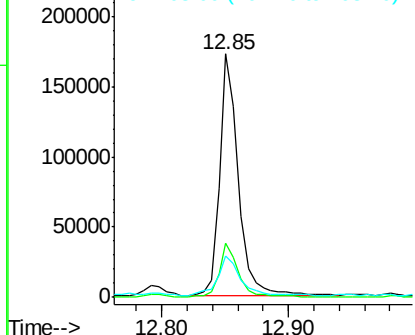
#77
Pvrene
Concen: 9.698 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF103526.D
Acq: 8 Mar 2018 19:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 177125
Ion Ratio Lower Upper
202 100
200 22.0 17.4 26.2
203 17.1 14.3 21.5

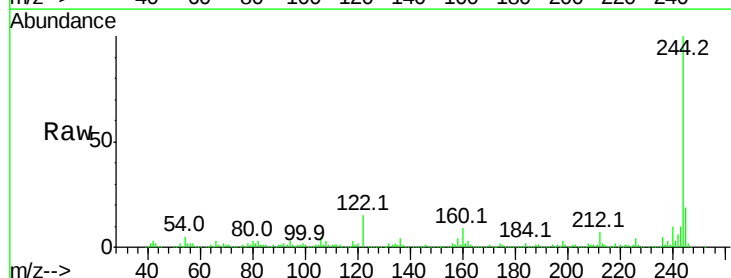


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

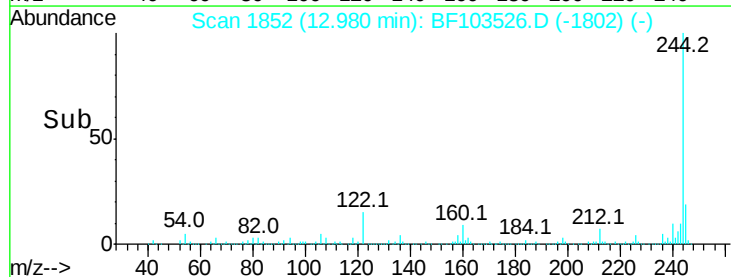
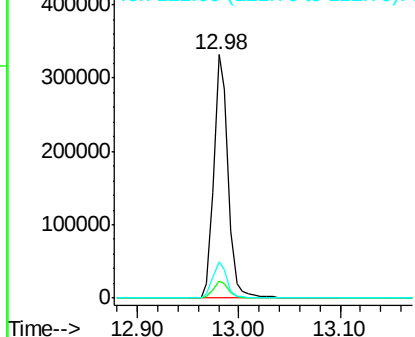


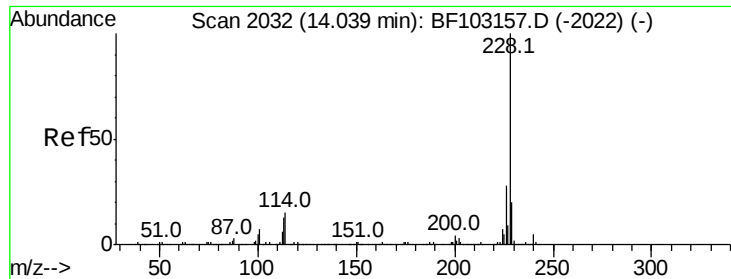
#78
Terphenyl-d14
Concen: 33.628 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF103526.D
Acq: 8 Mar 2018 19:35

Tgt Ion:244 Resp: 327690
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 15.0 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

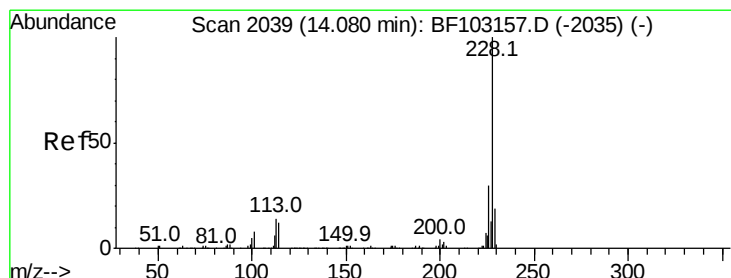
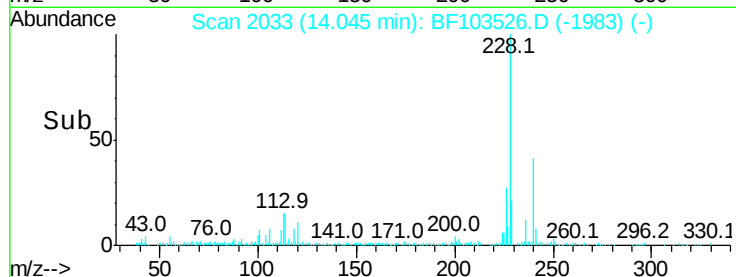
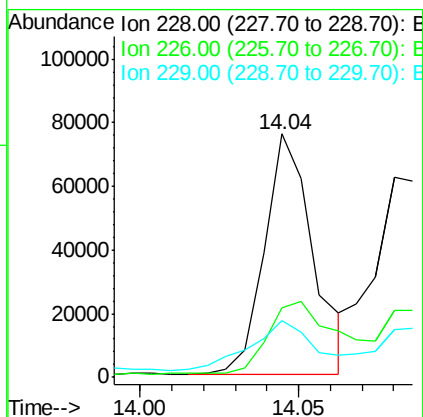
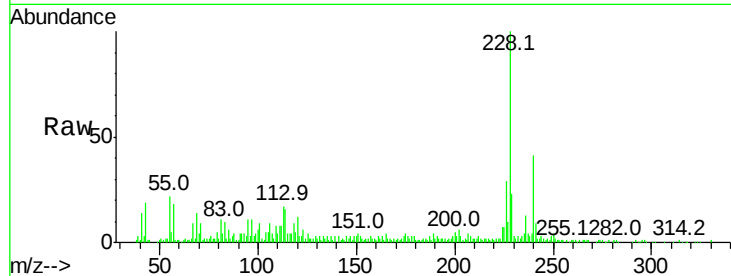




#80
Benzo(a)anthracene
Concen: 5.326 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103526.D
Acq: 8 Mar 2018 19:35

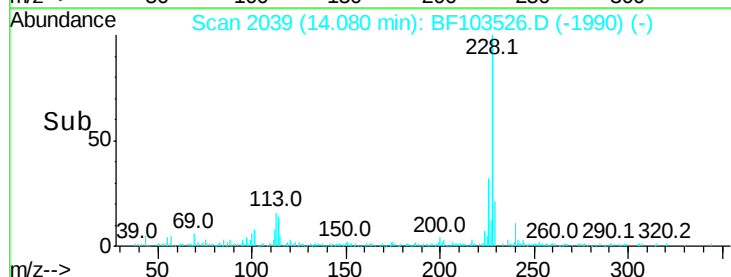
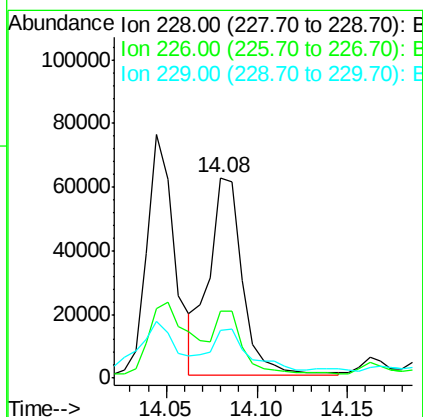
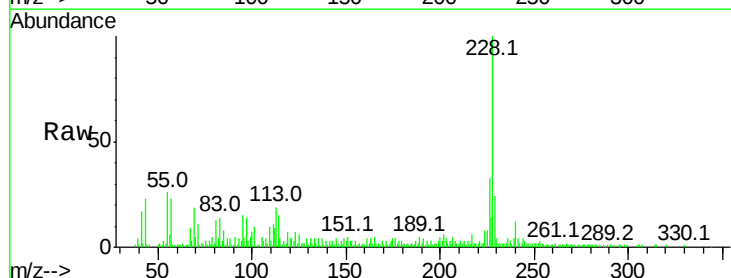
Instrument :
BNA_F
ClientSampleId :

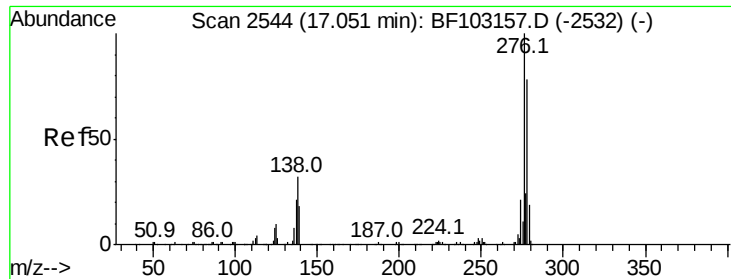
Tot Ion:228 Resp: 80952
Ion Ratio Lower Upper
228 100
226 28.6 22.6 33.8
229 23.4 15.8 23.6



#82
Chrysene
Concen: 5.475 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103526.D
Acq: 8 Mar 2018 19:35

Tgt Ion:228 Resp: 80805
Ion Ratio Lower Upper
228 100
226 33.4 25.0 37.6
229 24.0 16.2 24.4

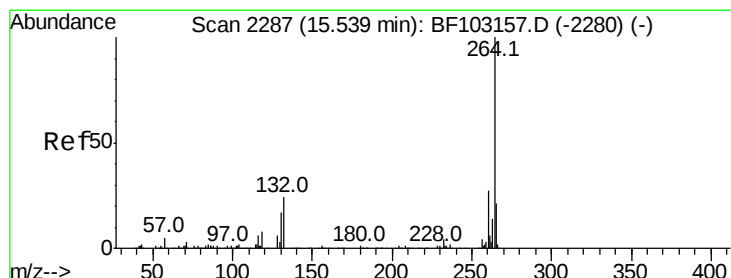
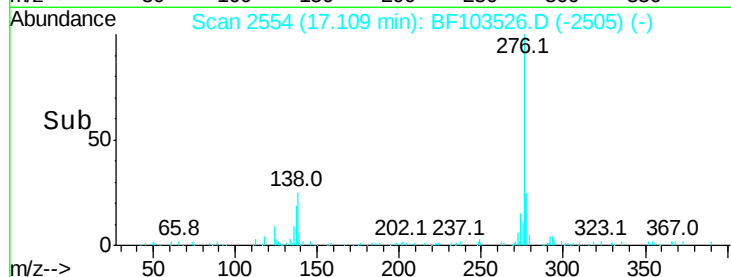
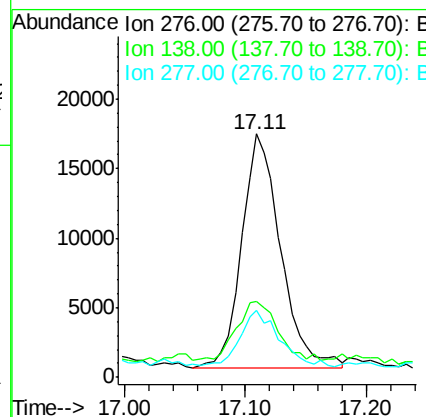
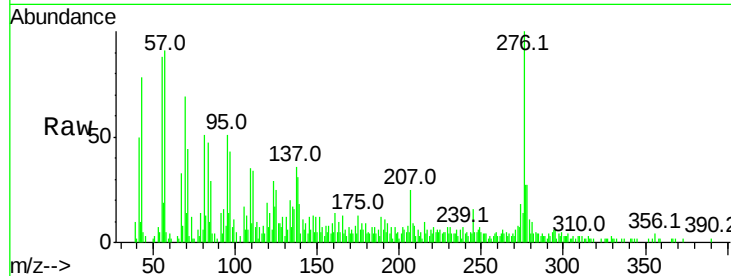




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.217 ng
 RT: 17.11 min Scan# 2554
 Delta R.T. -0.01 min
 Lab File: BF103526.D
 Acq: 8 Mar 2018 19:35

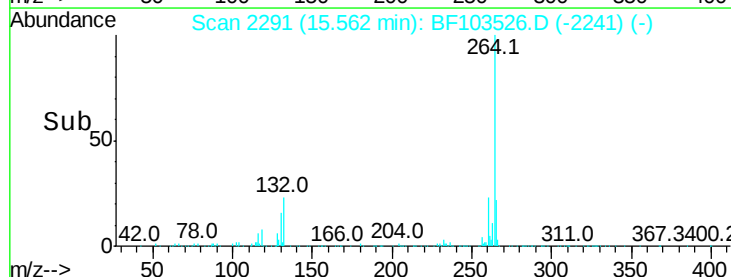
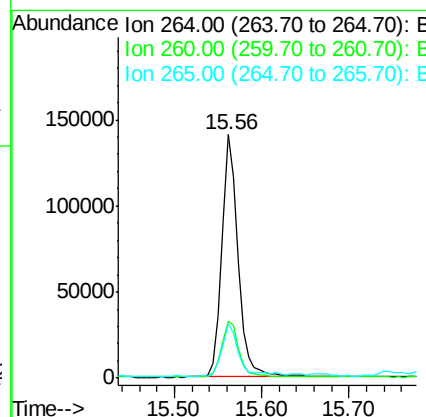
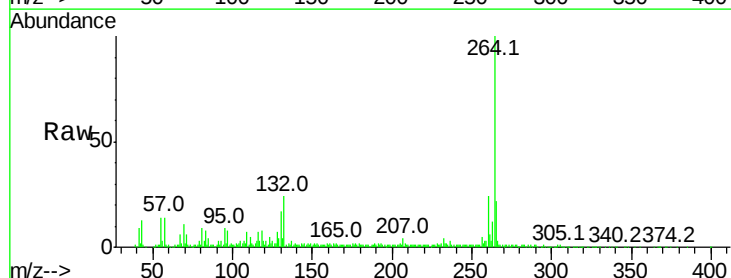
Instrument :
 BNA_F
 ClientSampleId :

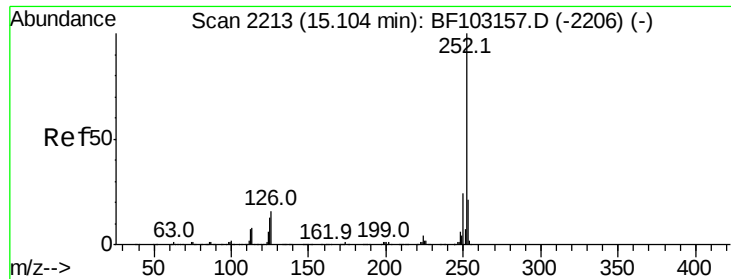
Tot Ion:276 Resp: 37585
 Ion Ratio Lower Upper
 276 100
 138 26.0 25.0 37.6
 277 24.0 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BF103526.D
 Acq: 8 Mar 2018 19:35

Tgt Ion:264 Resp: 183626
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 22.1 17.5 26.3

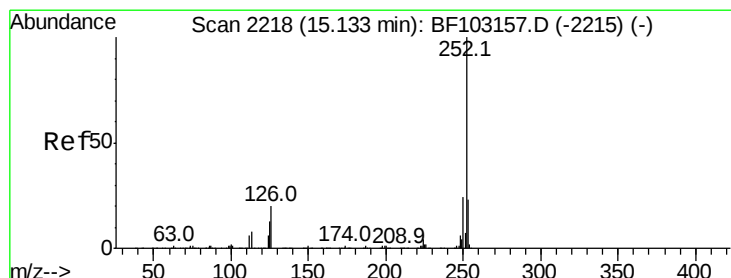
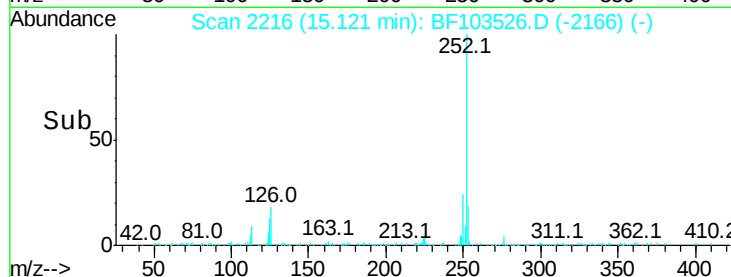
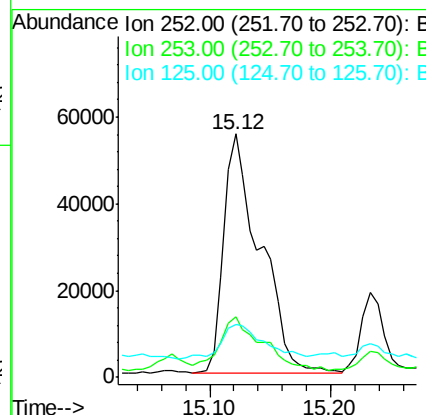
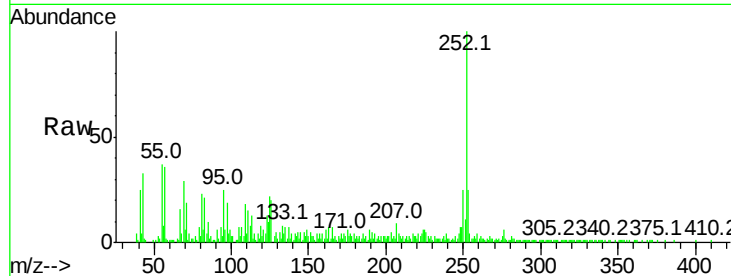




#87
Benzo(b)fluoranthene
Concen: 9.452 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF103526.D
Acq: 8 Mar 2018 19:35

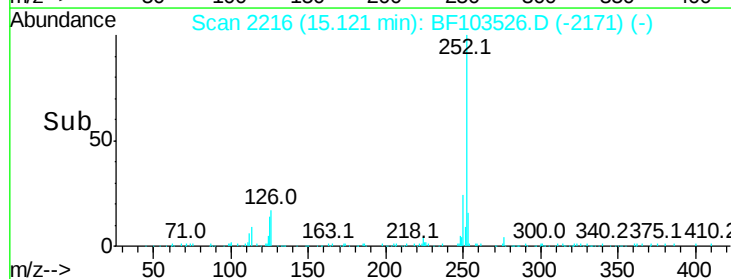
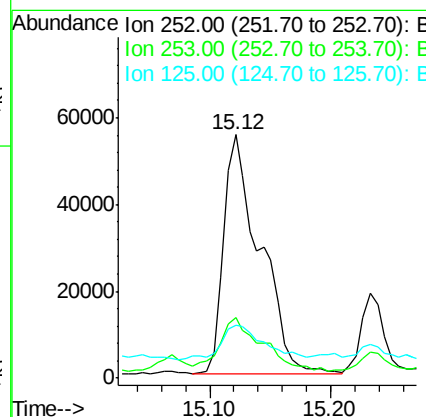
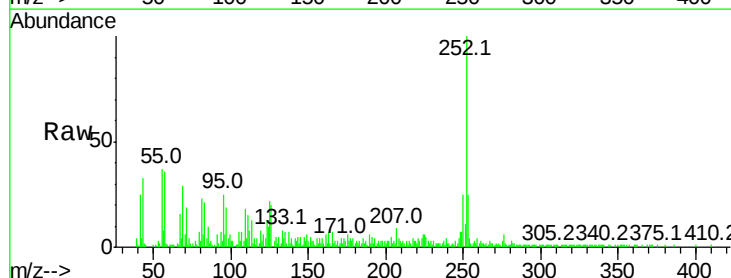
Instrument :
BNA_F
ClientSampleId :

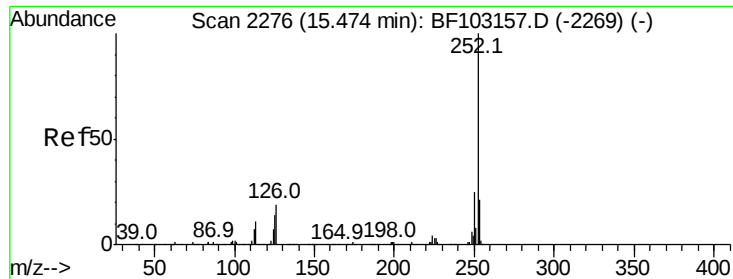
Tot Ion:252 Resp: 114113
Ion Ratio Lower Upper
252 100
253 25.0 17.0 25.6
125 21.7 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 10.037 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.04 min
Lab File: BF103526.D
Acq: 8 Mar 2018 19:35

Tgt Ion:252 Resp: 114113
Ion Ratio Lower Upper
252 100
253 25.0 17.9 26.9
125 21.7 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 5.987 ng

RT: 15.50 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BF103526.D

Acq: 8 Mar 2018 19:35

Instrument :

BNA_F

ClientSampleId :

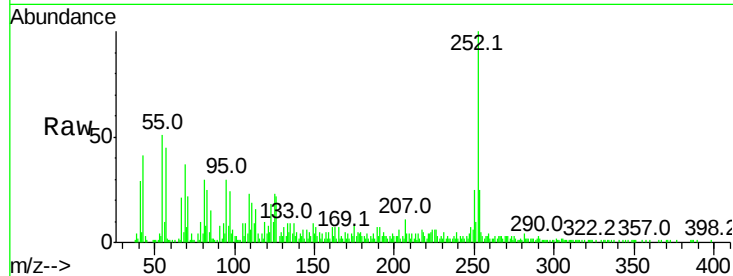
Tot Ion:252 Resp: 64546

Ion Ratio Lower Upper

252 100

253 24.9 17.1 25.7

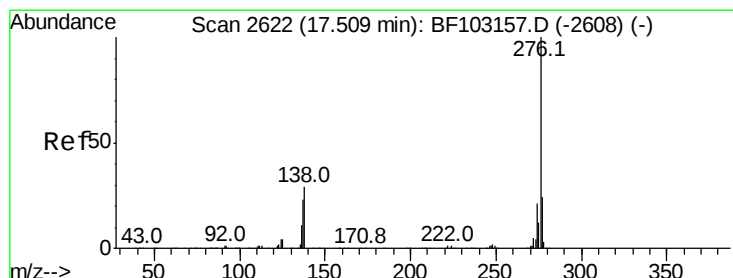
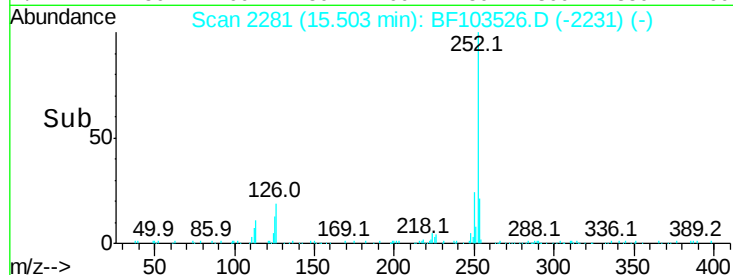
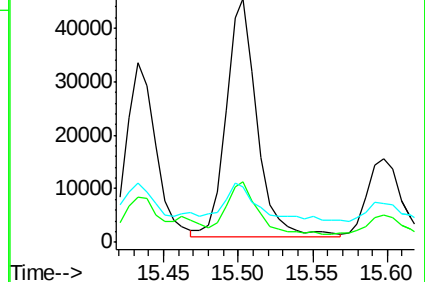
125 22.8 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 5.078 ng

RT: 17.58 min Scan# 2634

Delta R.T. -0.00 min

Lab File: BF103526.D

Acq: 8 Mar 2018 19:35

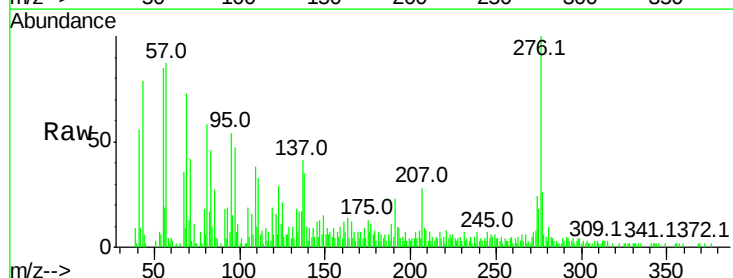
Tgt Ion:276 Resp: 41348

Ion Ratio Lower Upper

276 100

277 26.0 17.9 26.9

138 35.4 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

