

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
 Data File : BF103654.D
 Acq On : 14 Mar 2018 21:19
 Operator : SJ/JU
 Sample : J1911-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 15 01:01:45 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 18:08:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	135070	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	580143	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	241689	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	373453	20.00	ng	0.00
75) Chrysene-d12	14.06	240	241172	20.00	ng	0.00
86) Perylene-d12	15.57	264	209581	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	783541	87.74	ng	0.00
7) Phenol-d6	6.50	99	967516	88.54	ng	0.00
23) Nitrobenzene-d5	7.43	82	678254	66.77	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	141861	69.34	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	905352	60.07	ng	0.00
78) Terphenyl-d14	12.97	244	610263	60.83	ng	0.00

Target Compounds

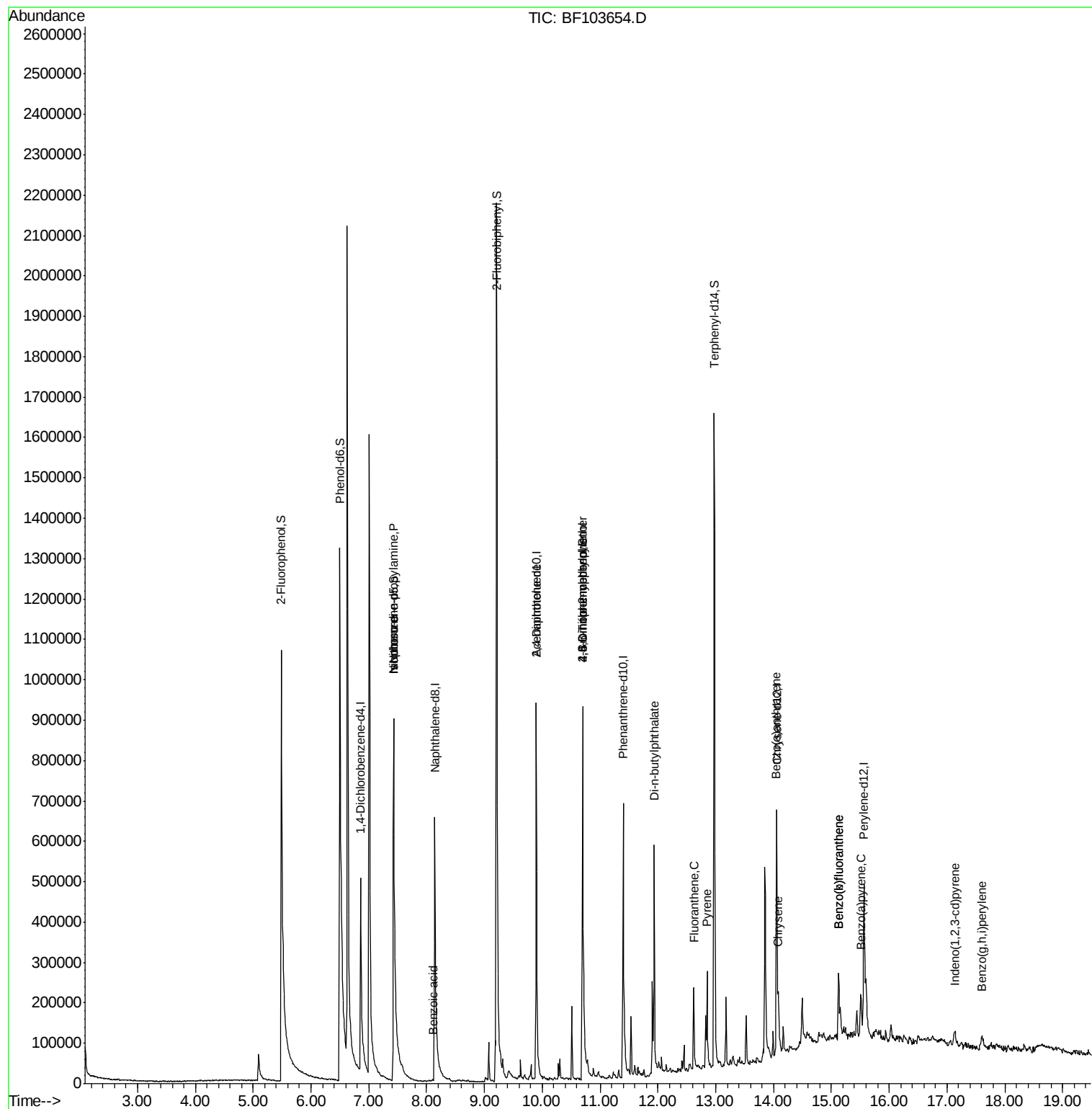
						Qvalue
9) Benzaldehyde	6.51	77	1401	Below Cal	#	26
19) n-Nitroso-di-n-propylamine	7.43	70	80859	11.889 ng	#	85
25) Isophorone	7.43	82	688318	34.403 ng	#	64
32) Benzoic acid	8.11	122	115	6.930 ng	#	1
56) 2,4-Dinitrotoluene	9.90	165	29459	5.725 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.70	198	271	5.052 ng	#	1
66) 4-Bromophenyl-phenylether	10.70	248	10447	2.685 ng	#	1
73) Di-n-butylphthalate	11.93	149	278237	10.595 ng		99
74) Fluoranthene	12.62	202	117522	5.690 ng		98
77) Pyrene	12.85	202	119139	6.336 ng		100
80) Benzo(a)anthracene	14.04	228	52745	3.371 ng		97
82) Chrysene	14.09	228	56831	3.740 ng		99
85) Indeno(1,2,3-cd)pyrene	17.13	276	32731	2.721 ng	#	91
87) Benzo(b)fluoranthene	15.13	252	107680	7.814 ng	#	94
88) Benzo(k)fluoranthene	15.13	252	107680	8.298 ng	#	96
89) Benzo(a)pyrene	15.51	252	55362	4.499 ng	#	93
91) Benzo(a,h,i)perylene	17.60	276	34565	3.719 ng	#	91

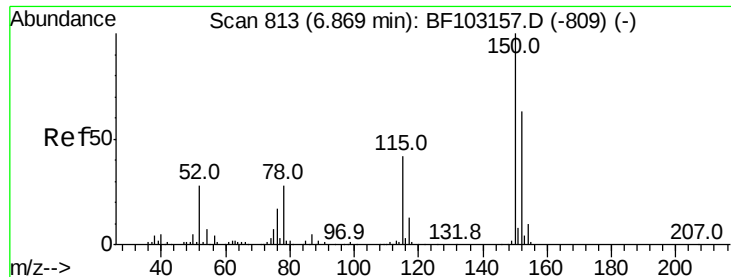
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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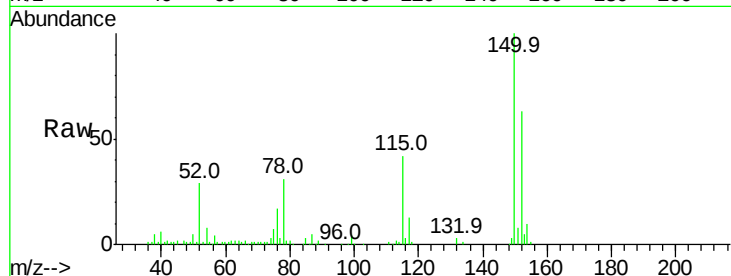


#1

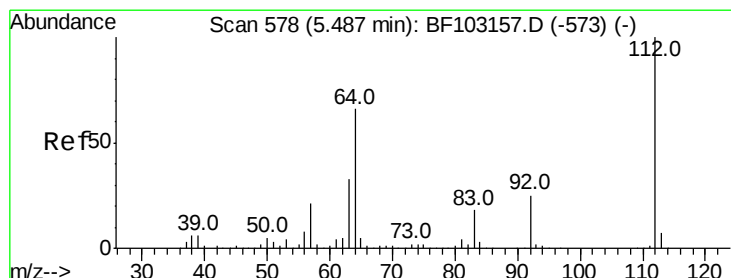
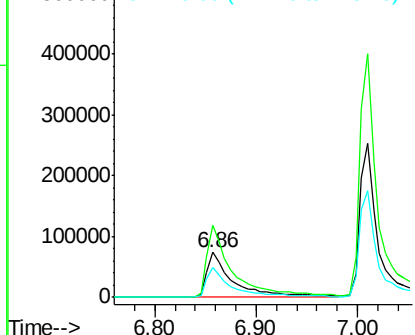
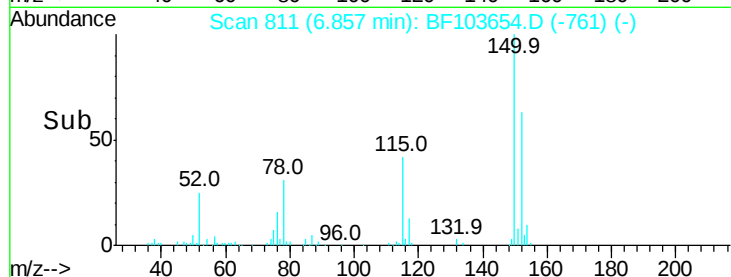
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103654.D
Acq: 14 Mar 2018 21:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 135070
Ion Ratio Lower Upper
152 100
150 159.5 124.6 186.8
115 66.6 50.1 75.1



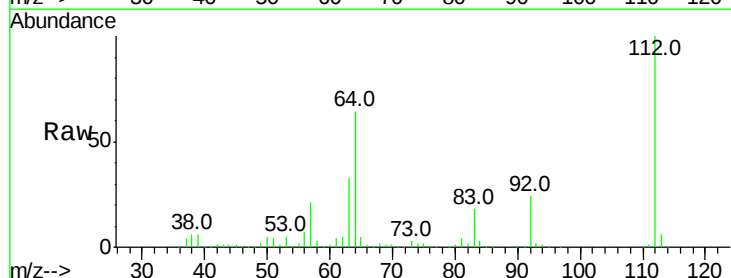
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



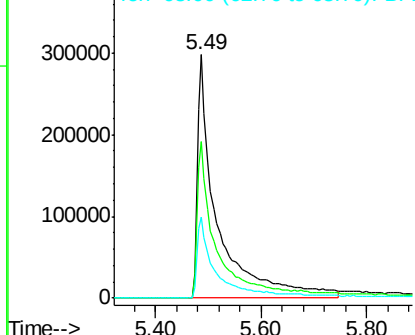
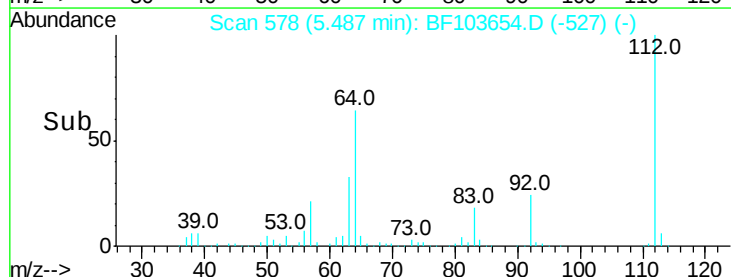
#5

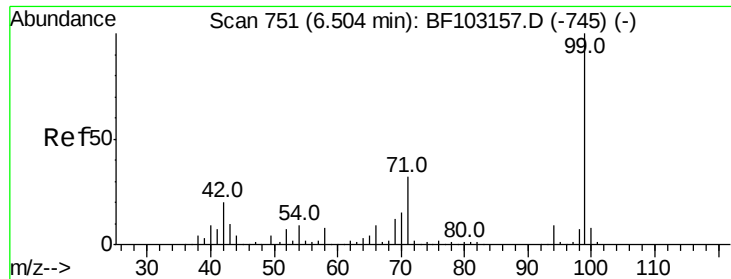
2-Fluorophenol
Concen: 87.736 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF103654.D
Acq: 14 Mar 2018 21:19

Tgt Ion:112 Resp: 783541
Ion Ratio Lower Upper
112 100
64 64.3 47.9 71.9
63 33.2 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: 88.535 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103654.D

Acq: 14 Mar 2018 21:19

Instrument :

BNA_F

ClientSampled :

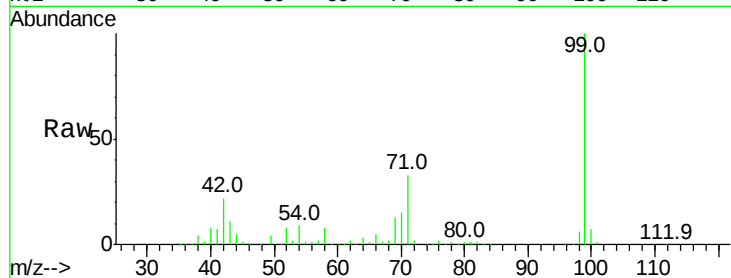
Tot Ion: 99 Resp: 967516

Ion Ratio Lower Upper

99 100

42 21.7 14.5 21.7

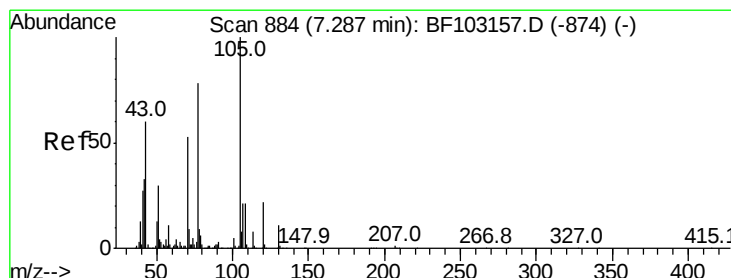
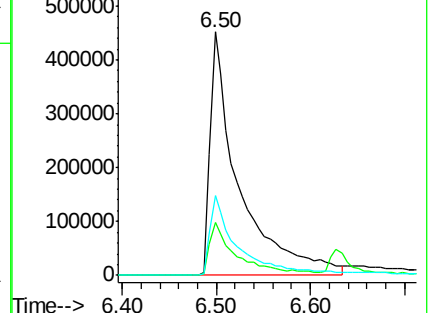
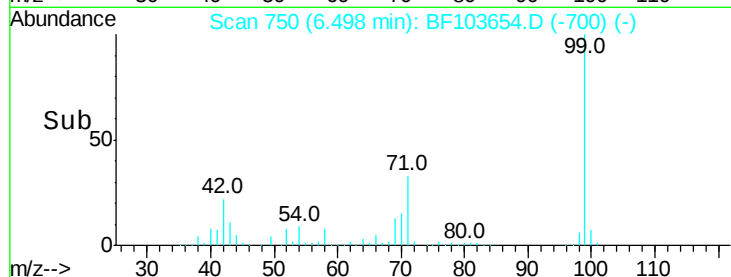
71 32.7 25.4 38.0



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: 11.889 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.16 min

Lab File: BF103654.D

Acq: 14 Mar 2018 21:19

Tgt Ion: 70 Resp: 80859

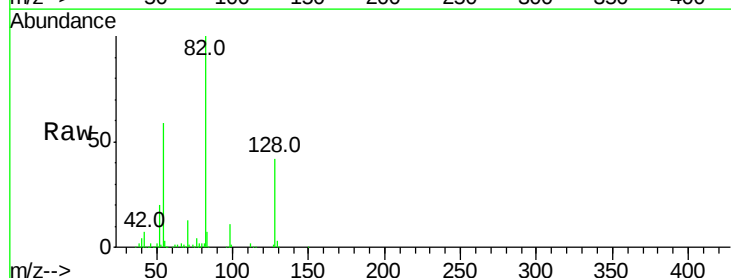
Ion Ratio Lower Upper

70 100

42 55.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

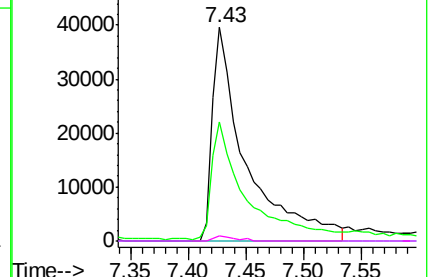
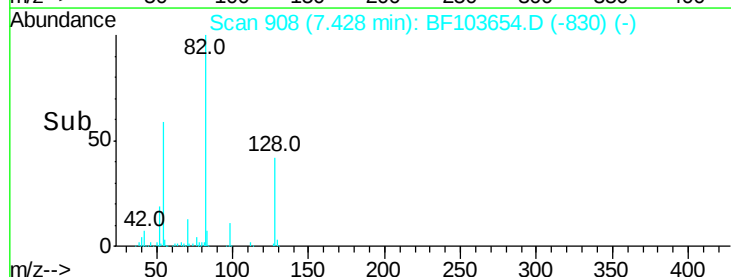


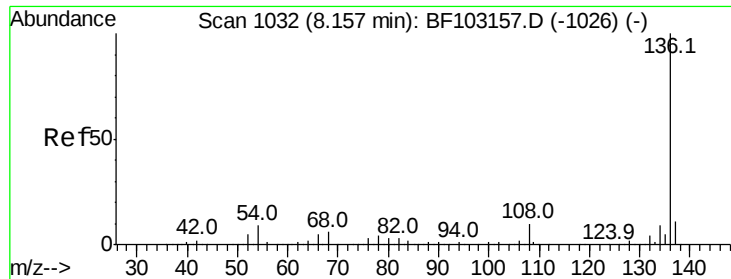
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

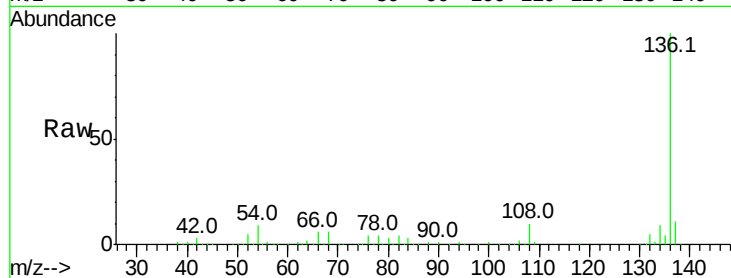




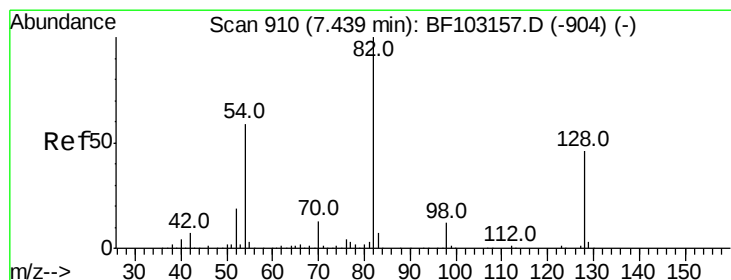
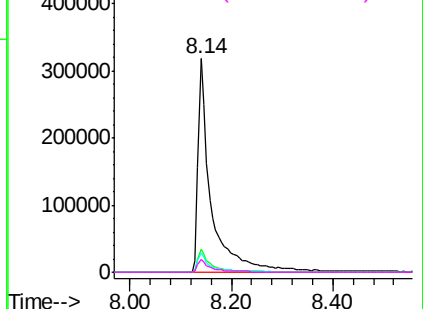
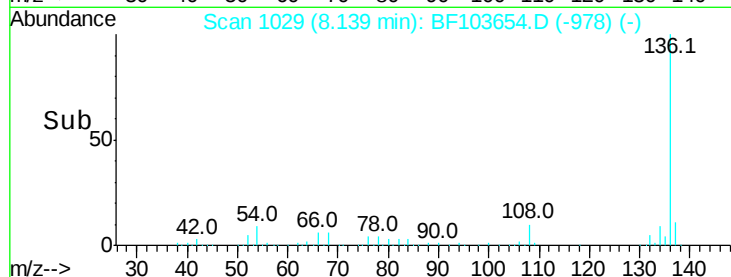
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF103654.D
Acq: 14 Mar 2018 21:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	580143
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.9	6.6	9.8
68	6.3	5.0	7.4

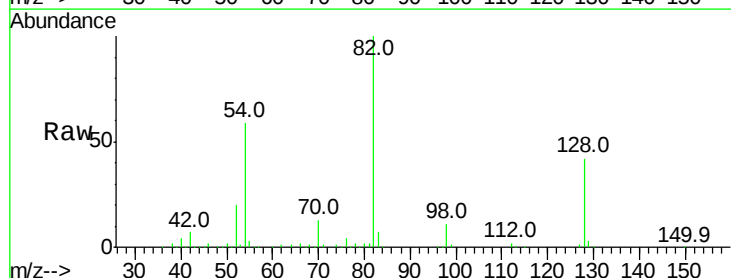


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

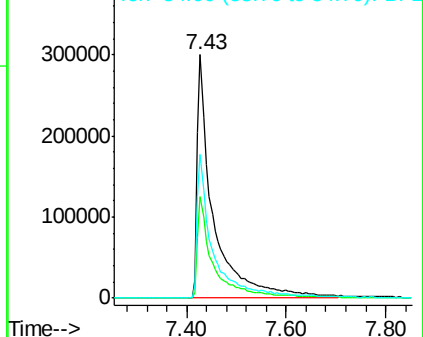
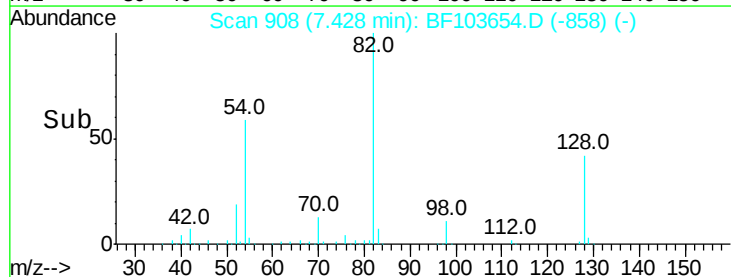


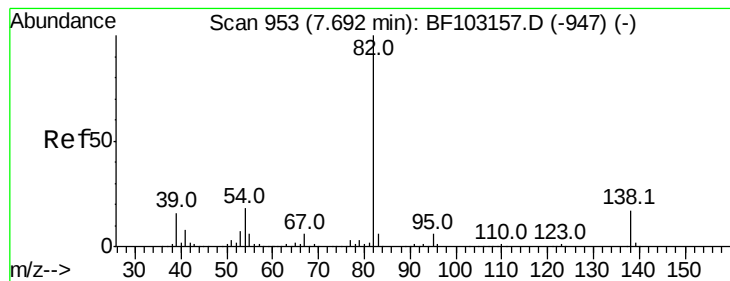
#23
Nitrobenzene-d5
Concen: 66.766 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103654.D
Acq: 14 Mar 2018 21:19

Tgt Ion:	82	Resp:	678254
Ion	Ratio	Lower	Upper
82	100		
128	41.7	36.1	54.1
54	59.3	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: 34.403 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.25 min

Lab File: BF103654.D

Acq: 14 Mar 2018 21:19

Instrument :

BNA_F

ClientSampleId :

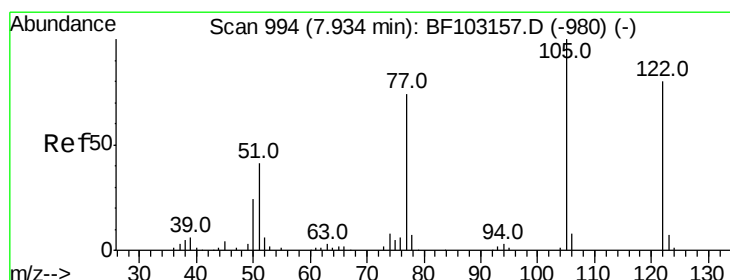
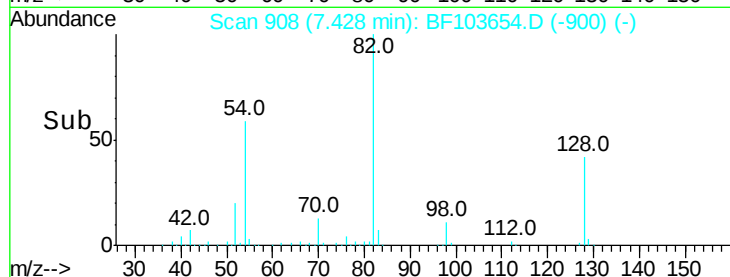
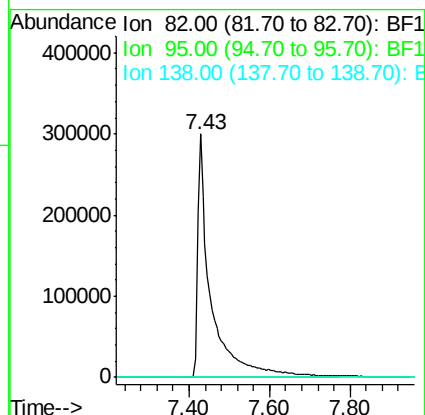
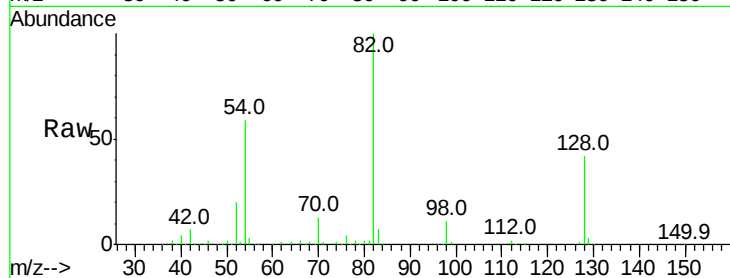
Tot Ion: 82 Resp: 688318

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 6.930 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.14 min

Lab File: BF103654.D

Acq: 14 Mar 2018 21:19

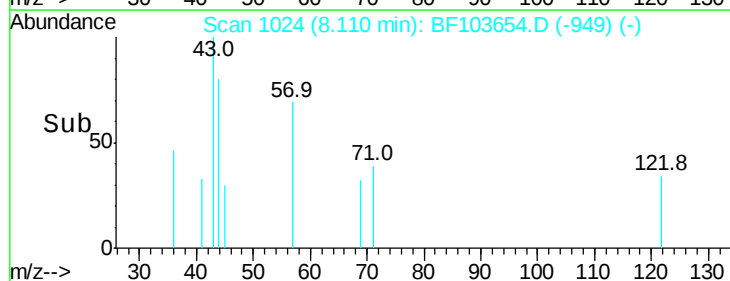
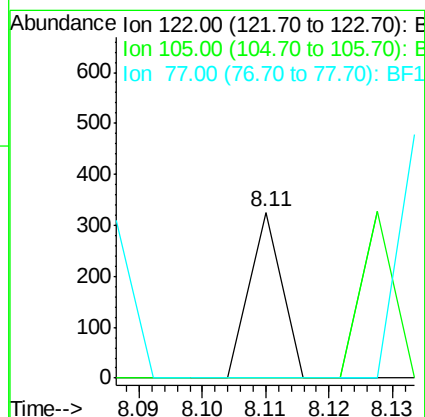
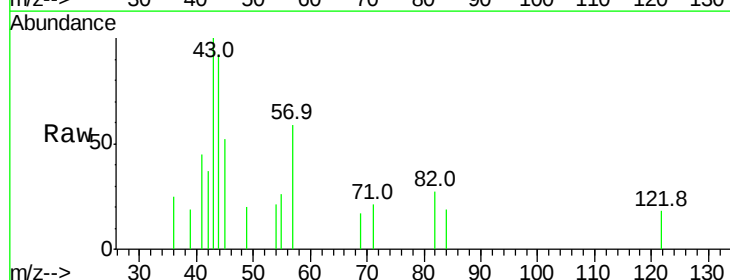
Tgt Ion: 122 Resp: 115

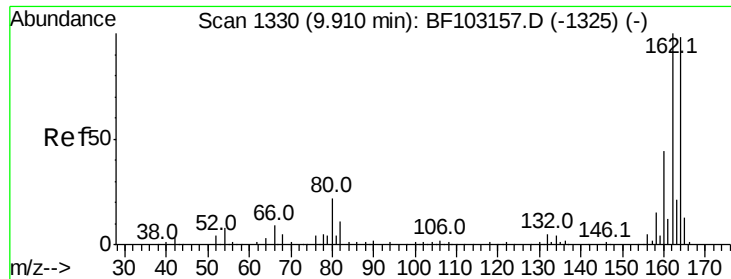
Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

77 0.0 70.7 110.7#

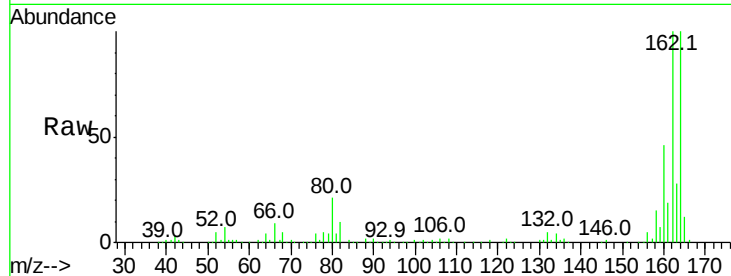




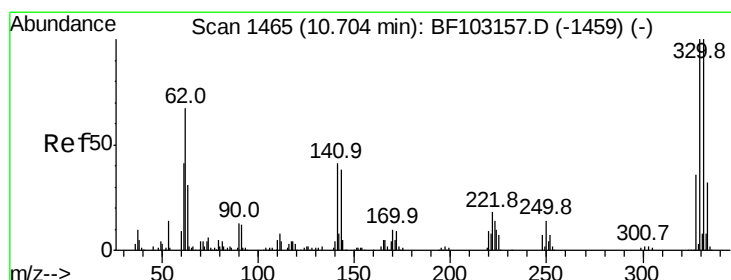
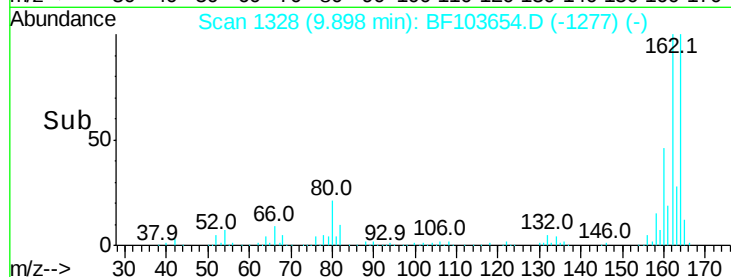
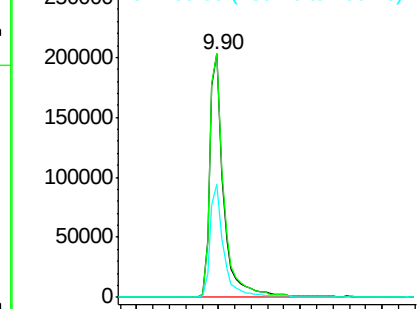
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: BF103654.D
 Acq: 14 Mar 2018 21:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 241689
 Ion Ratio Lower Upper
 164 100
 162 99.9 86.1 129.1
 160 46.3 38.3 57.5

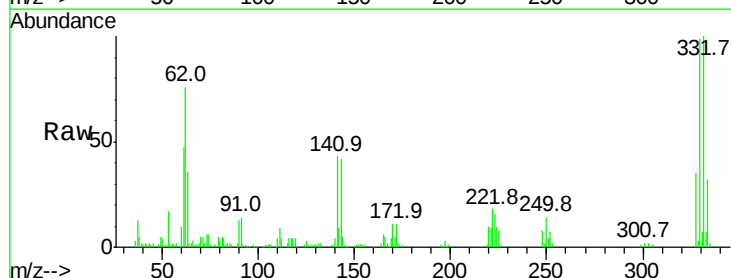


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

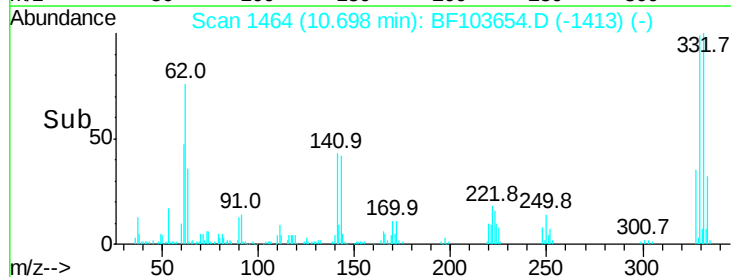
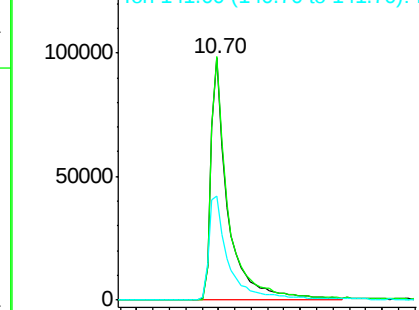


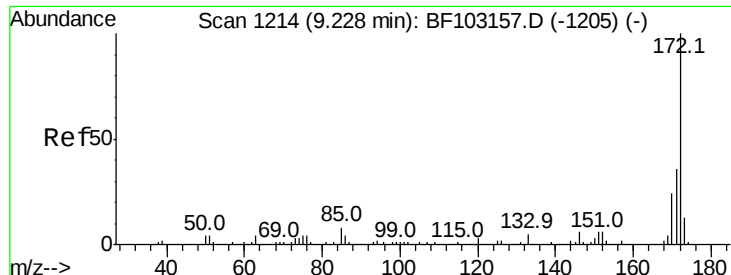
#41
 2,4,6-Tribromophenol
 Concen: 69.344 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.00 min
 Lab File: BF103654.D
 Acq: 14 Mar 2018 21:19

Tgt Ion:330 Resp: 141861
 Ion Ratio Lower Upper
 330 100
 332 103.9 77.0 115.6
 141 49.1 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

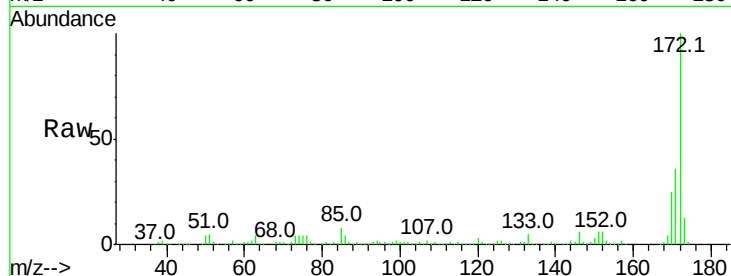




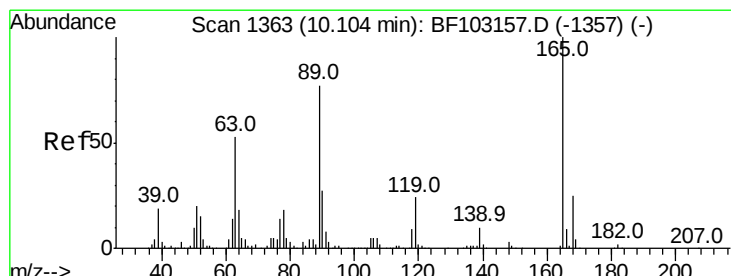
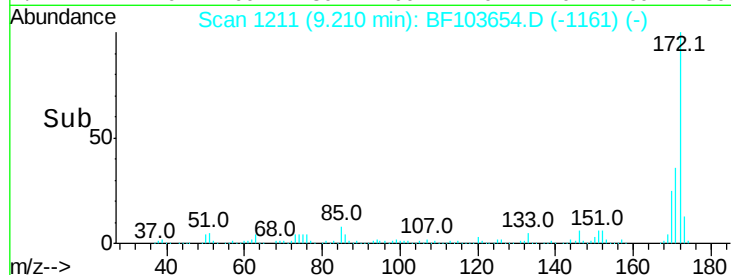
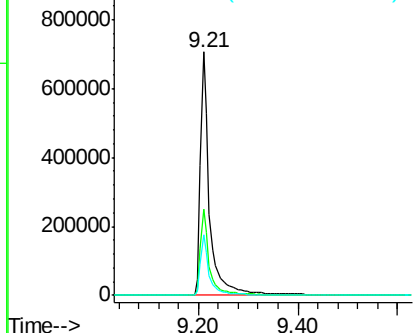
#44
 2-Fluorobiphenyl
 Concen: 60.069 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF103654.D
 Acq: 14 Mar 2018 21:19

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 905352
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 25.0 19.6 29.4

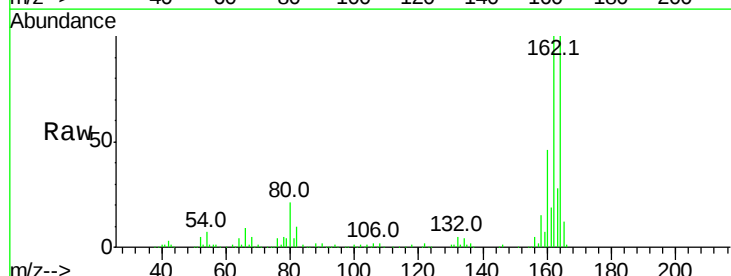


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

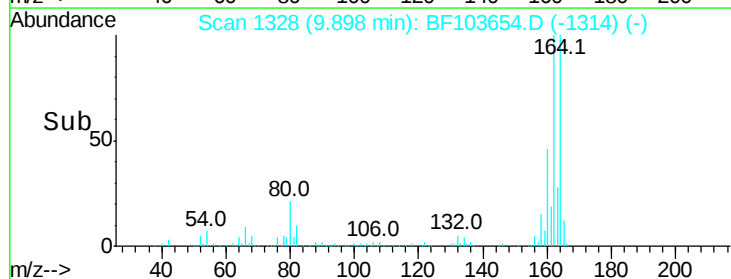
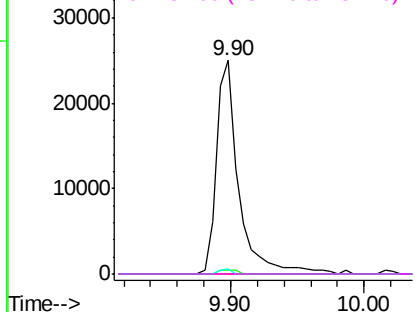


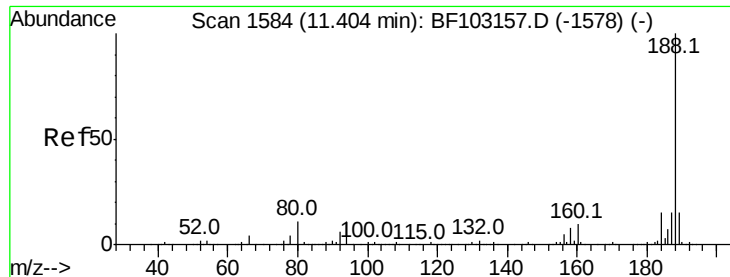
#56
 2,4-Dinitrotoluene
 Concen: 5.725 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.22 min
 Lab File: BF103654.D
 Acq: 14 Mar 2018 21:19

Tgt Ion:165 Resp: 29459
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.4 54.6#
 89 2.3 57.8 86.6#
 182 0.0 1.6 2.4#



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
 Ion 182.00 (181.70 to 182.70): E

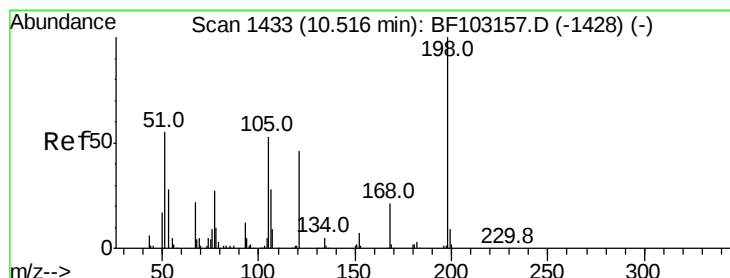
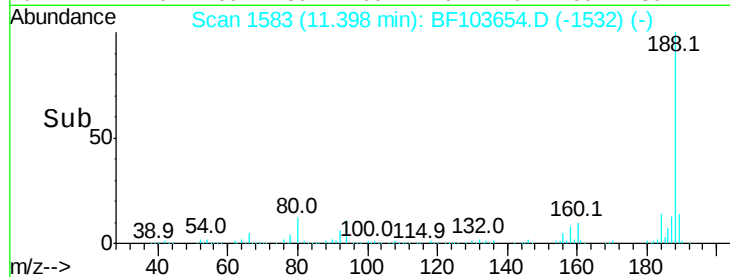
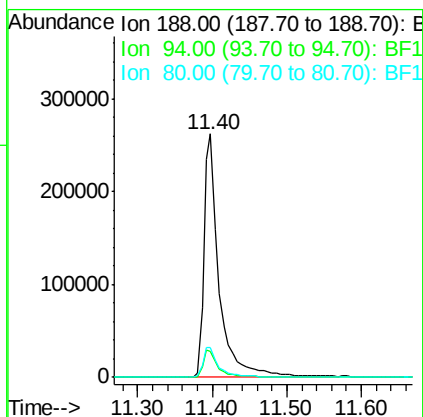
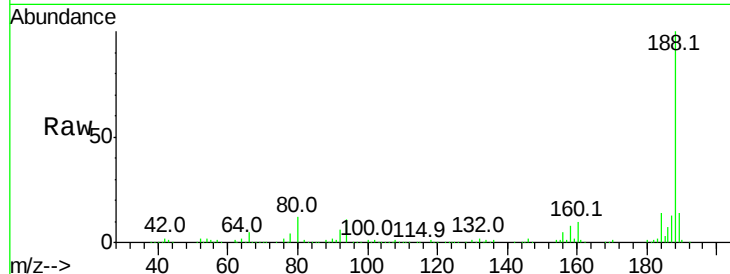




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BF103654.D
 Acq: 14 Mar 2018 21:19

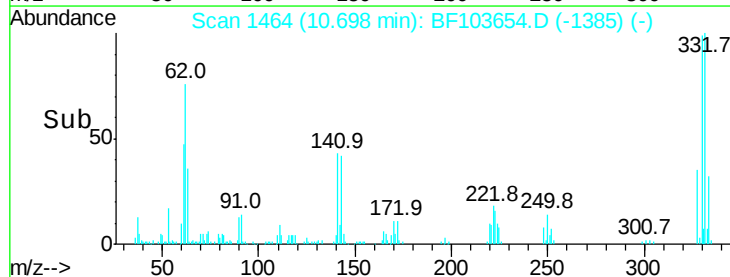
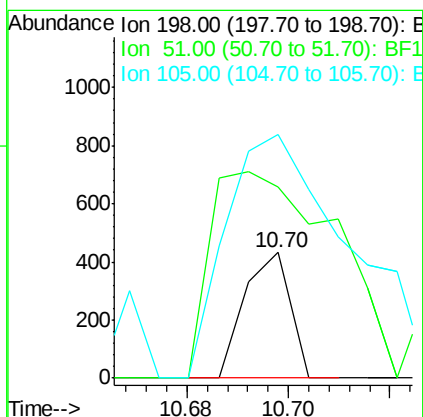
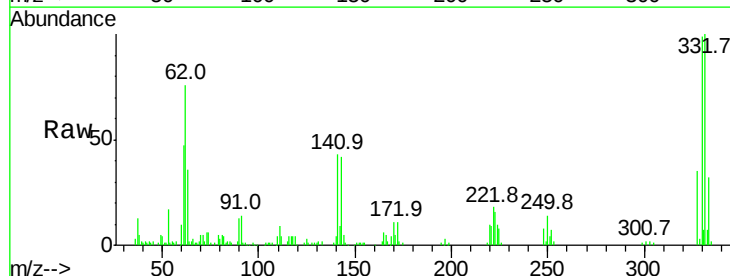
Instrument :
 BNA_F
 ClientSampleId :

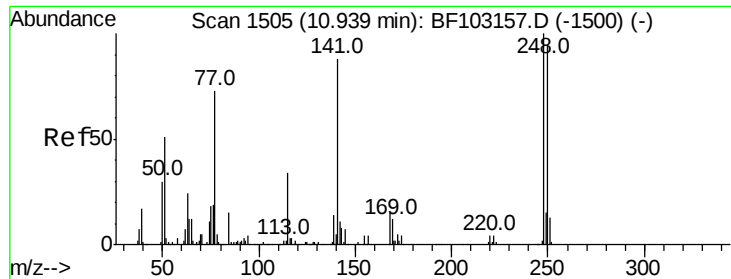
Tot Ion:188 Resp: 373453
 Ion Ratio Lower Upper
 188 100
 94 10.8 8.5 12.7
 80 12.0 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.052 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.16 min
 Lab File: BF103654.D
 Acq: 14 Mar 2018 21:19

Tgt Ion:198 Resp: 271
 Ion Ratio Lower Upper
 198 100
 51 152.2 37.7 77.7#
 105 193.5 36.3 76.3#

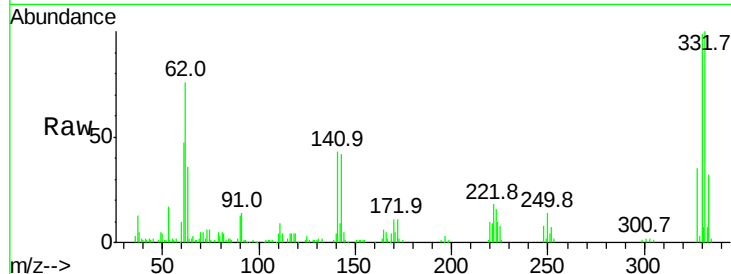




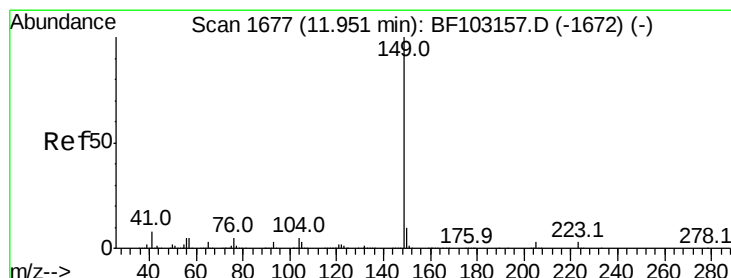
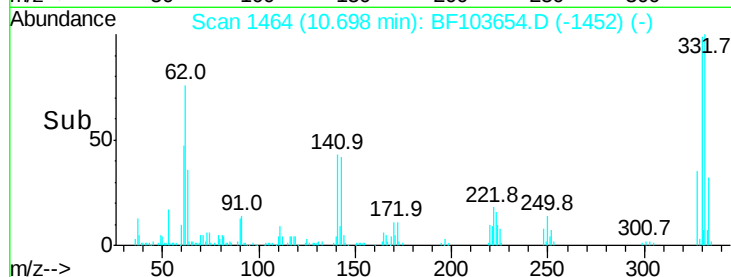
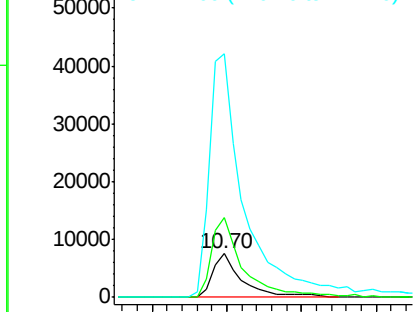
#66
4-Bromophenyl-phenylether
Concen: 2.685 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.23 min
Lab File: BF103654.D
Acq: 14 Mar 2018 21:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10447
Ion Ratio Lower Upper
248 100
250 181.3 76.9 115.3#
141 557.4 74.4 111.6#

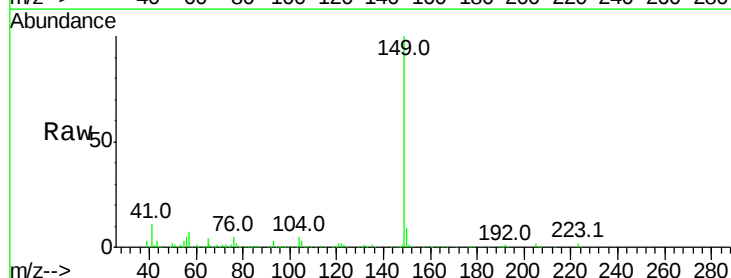


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

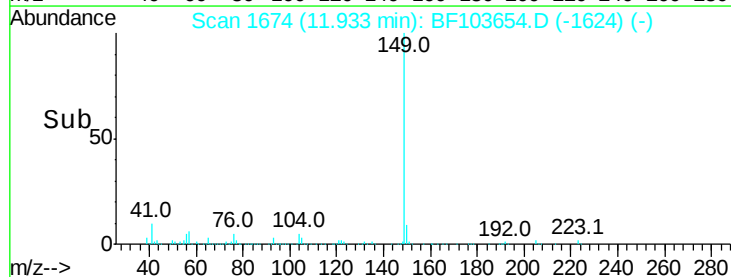
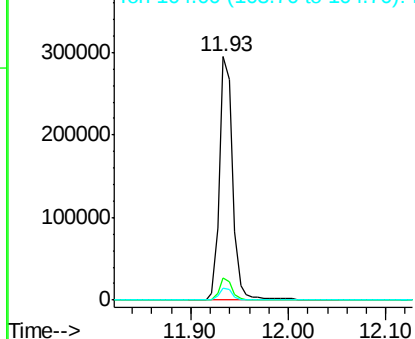


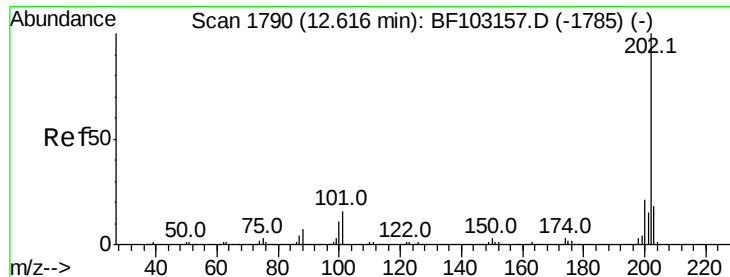
#73
Di-n-butylphthalate
Concen: 10.595 ng
RT: 11.93 min Scan# 1674
Delta R.T. -0.01 min
Lab File: BF103654.D
Acq: 14 Mar 2018 21:19

Tgt Ion:149 Resp: 278237
Ion Ratio Lower Upper
149 100
150 9.1 7.8 11.6
104 5.0 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 5.690 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BF103654.D

Acq: 14 Mar 2018 21:19

Instrument :

BNA_F

ClientSampleId :

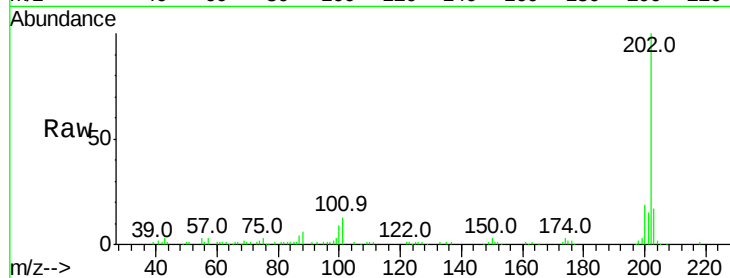
Tot Ion:202 Resp: 117522

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.1

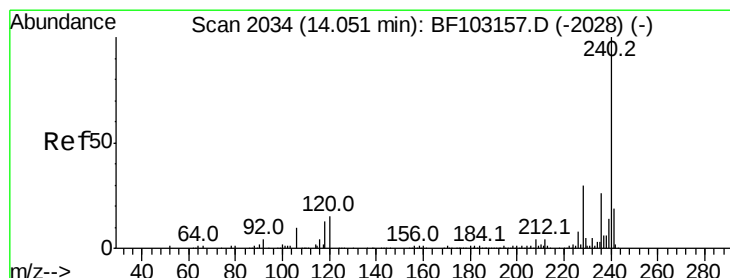
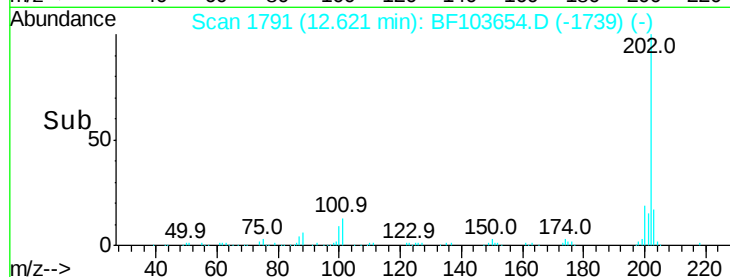
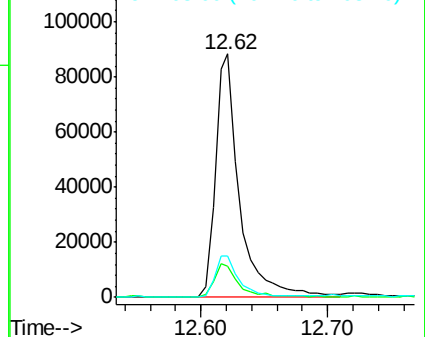
203 17.2 0.0 38.1



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. 0.00 min

Lab File: BF103654.D

Acq: 14 Mar 2018 21:19

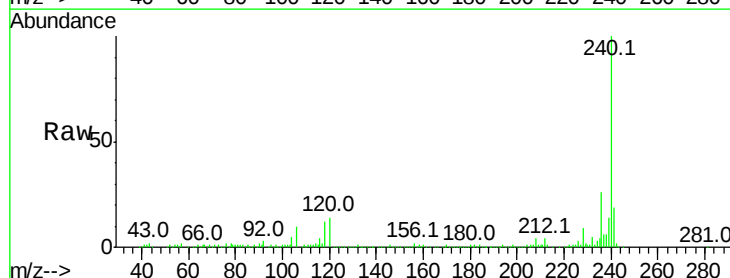
Tgt Ion:240 Resp: 241172

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

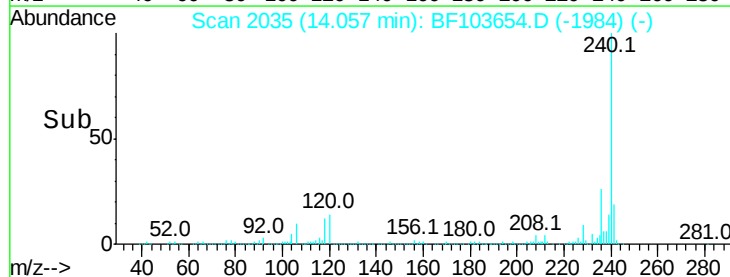
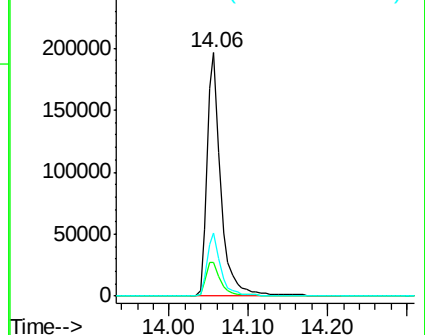
236 26.0 20.7 31.1

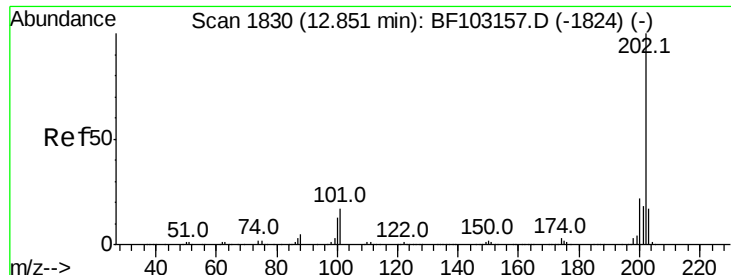


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.336 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.01 min

Lab File: BF103654.D

Acq: 14 Mar 2018 21:19

Instrument :

BNA_F

ClientSampleId :

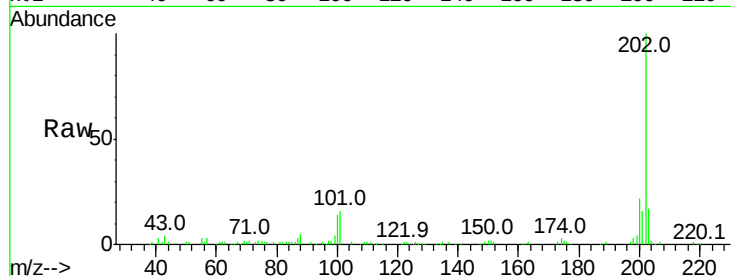
Tot Ion:202 Resp: 119139

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

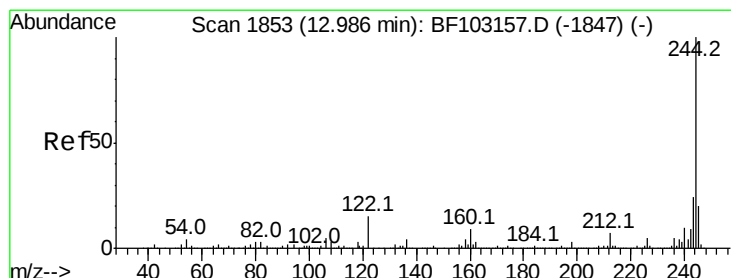
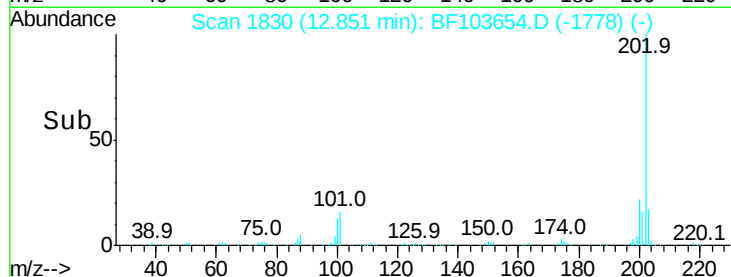
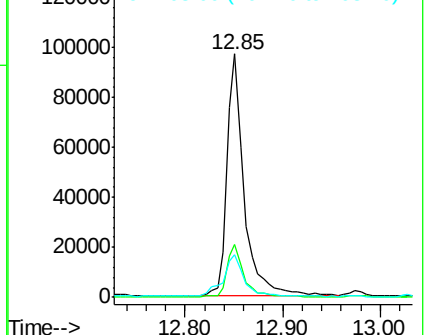
203 17.5 14.3 21.5



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: 60.828 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BF103654.D

Acq: 14 Mar 2018 21:19

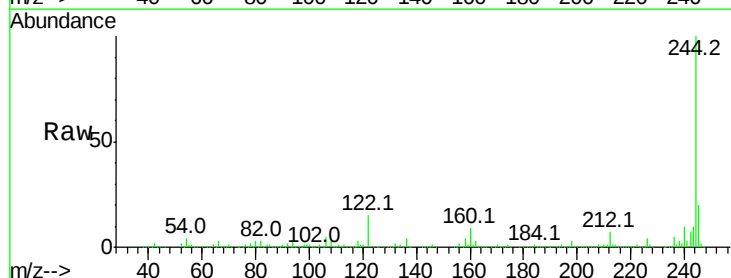
Tgt Ion:244 Resp: 610263

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

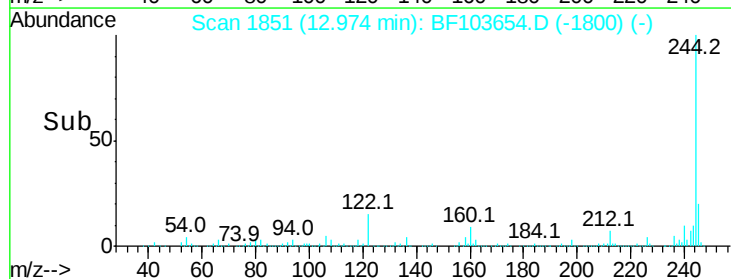
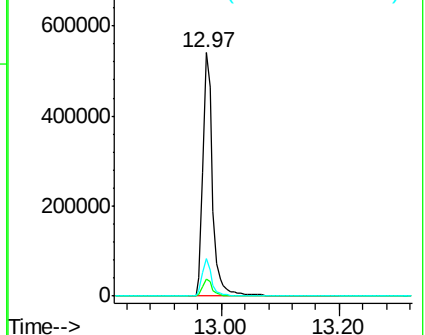
122 15.2 11.0 16.4

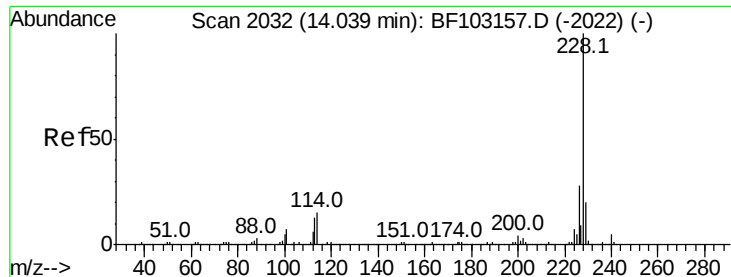


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.371 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BF103654.D

Acq: 14 Mar 2018 21:19

Instrument :

BNA_F

ClientSampleId :

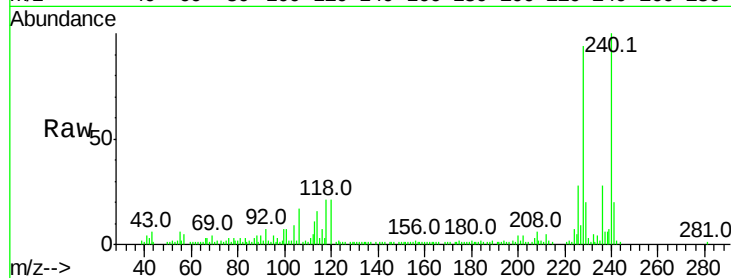
Tot Ion:228 Resp: 52745

Ion Ratio Lower Upper

228 100

226 29.7 22.6 33.8

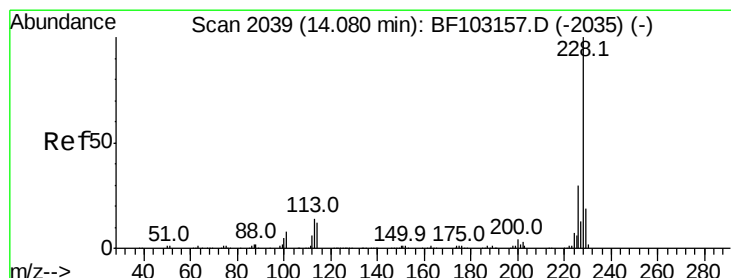
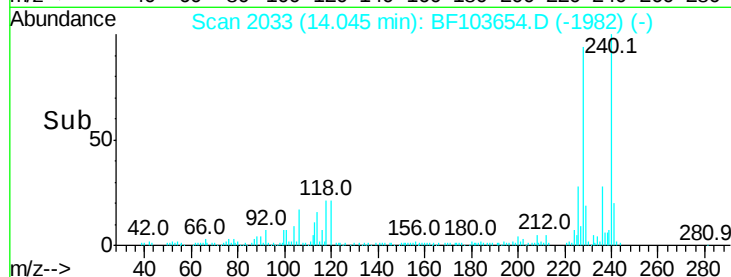
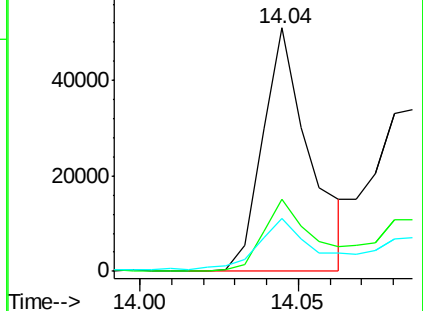
229 21.5 15.8 23.6



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



#82

Chrysene

Concen: 3.740 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.01 min

Lab File: BF103654.D

Acq: 14 Mar 2018 21:19

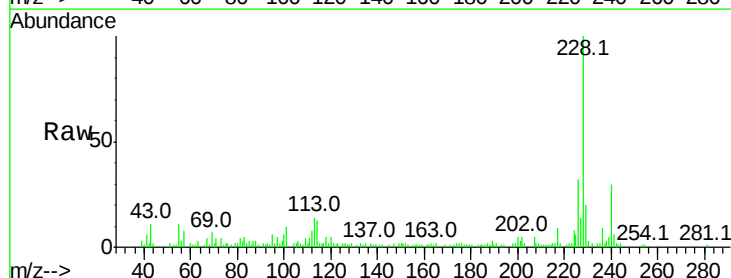
Tgt Ion:228 Resp: 56831

Ion Ratio Lower Upper

228 100

226 31.7 25.0 37.6

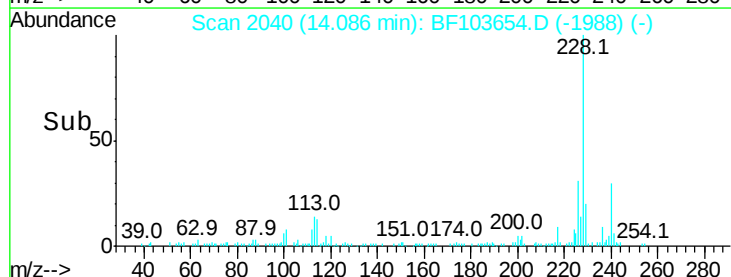
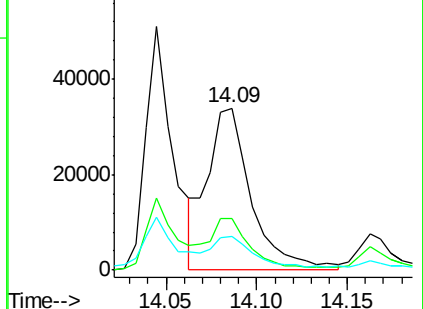
229 20.5 16.2 24.4

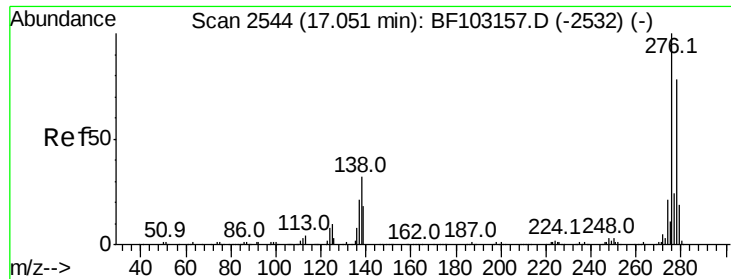


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

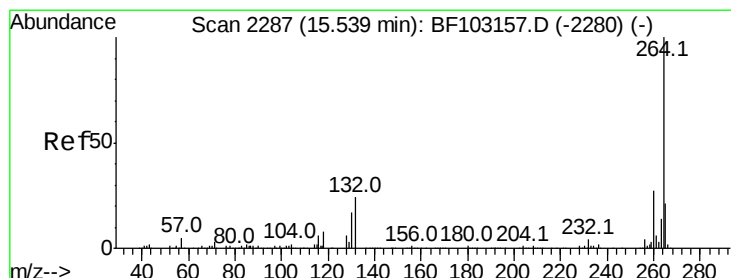
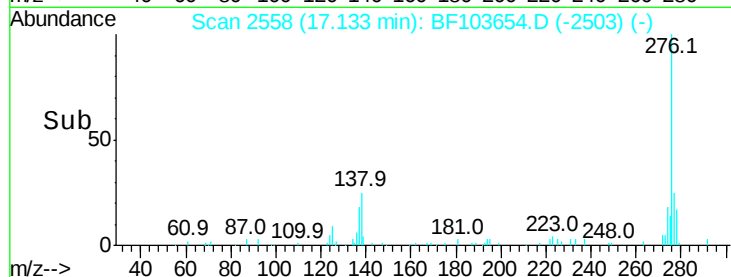
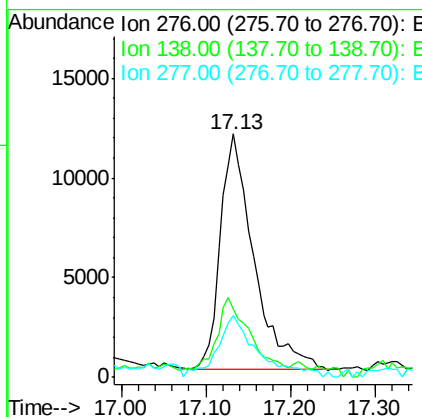
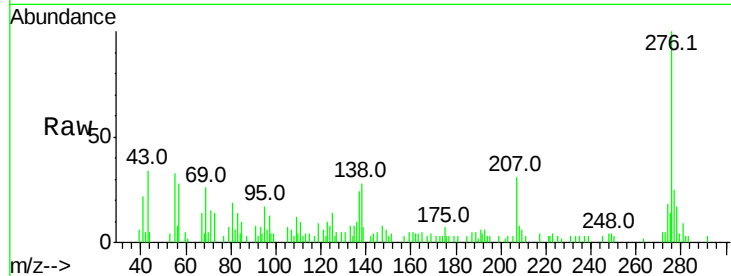




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.721 ng
RT: 17.13 min Scan# 2558
Delta R.T. 0.02 min
Lab File: BF103654.D
Acq: 14 Mar 2018 21:19

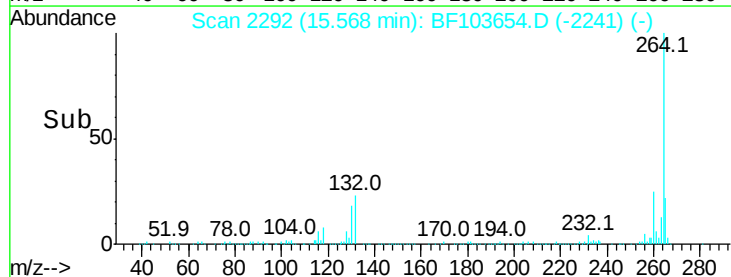
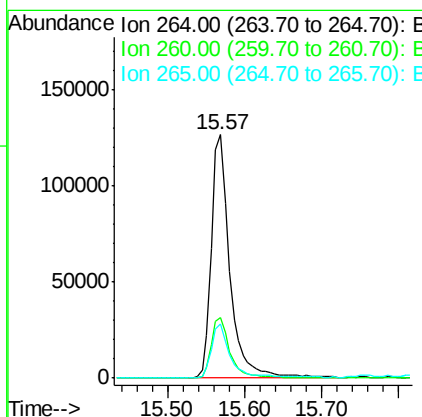
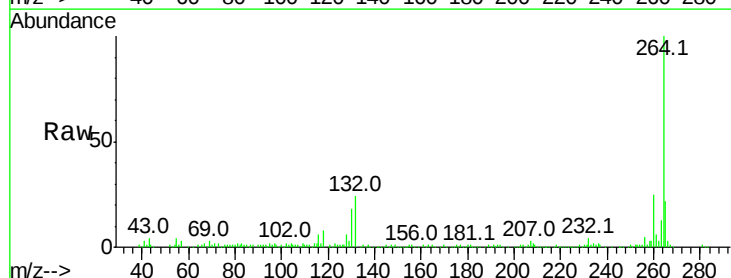
Instrument :
BNA_F
ClientSampleId :

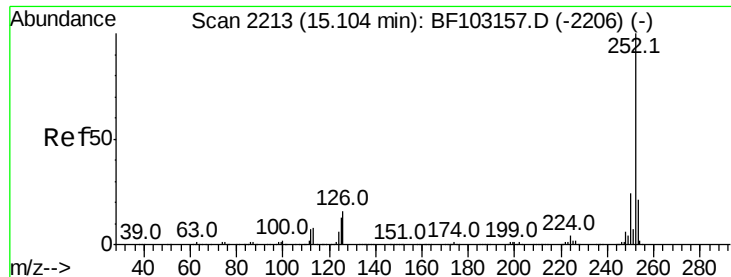
Tot Ion:276 Resp: 32731
Ion Ratio Lower Upper
276 100
138 27.7 25.0 37.6
277 31.5 20.1 30.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF103654.D
Acq: 14 Mar 2018 21:19

Tgt Ion:264 Resp: 209581
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 22.1 17.5 26.3

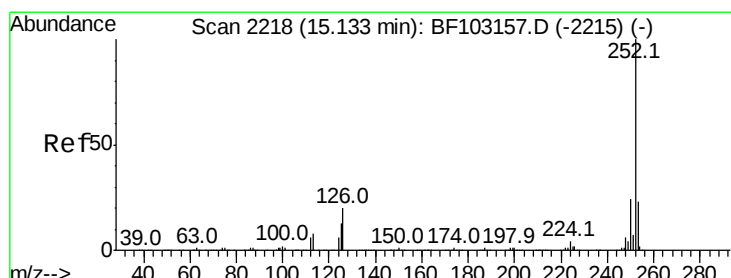
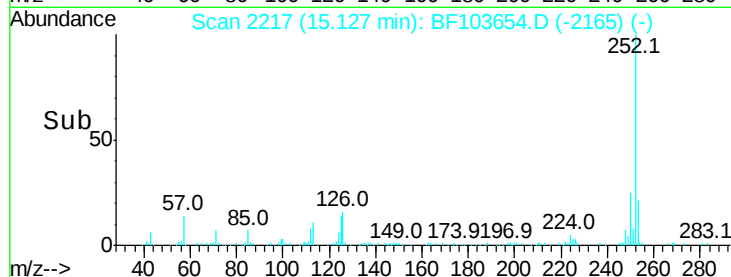
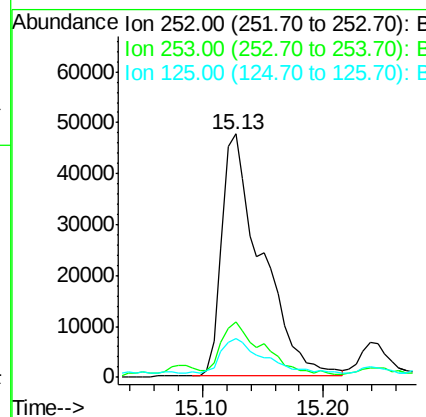
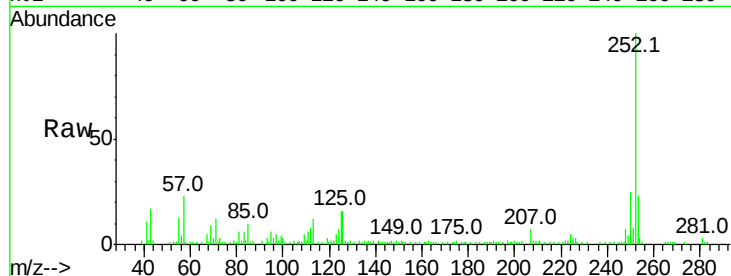




#87
Benzo(b)fluoranthene
Concen: 7.814 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF103654.D
Acq: 14 Mar 2018 21:19

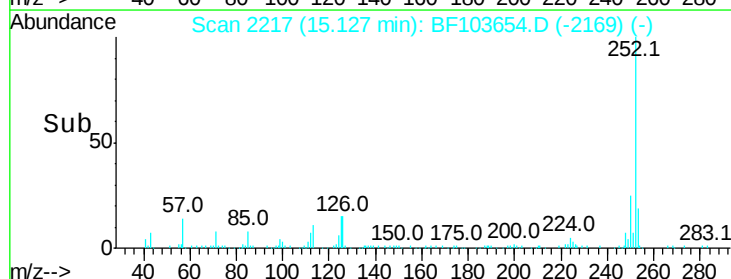
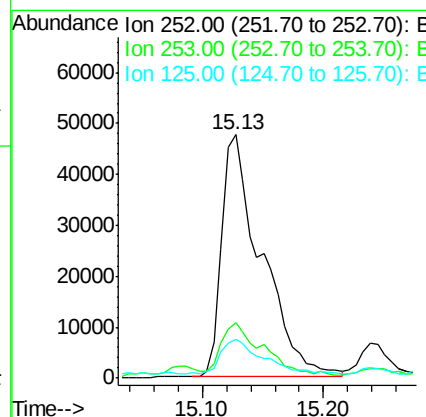
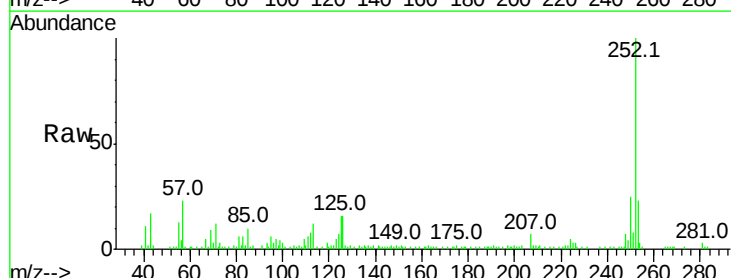
Instrument :
BNA_F
ClientSampleId :

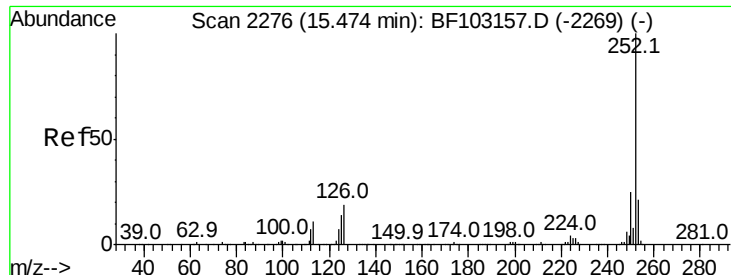
Tot Ion:252 Resp: 107680
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 16.0 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 8.298 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF103654.D
Acq: 14 Mar 2018 21:19

Tgt Ion:252 Resp: 107680
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 16.0 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 4.499 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.01 min

Lab File: BF103654.D

Acq: 14 Mar 2018 21:19

Instrument :

BNA_F

ClientSampleId :

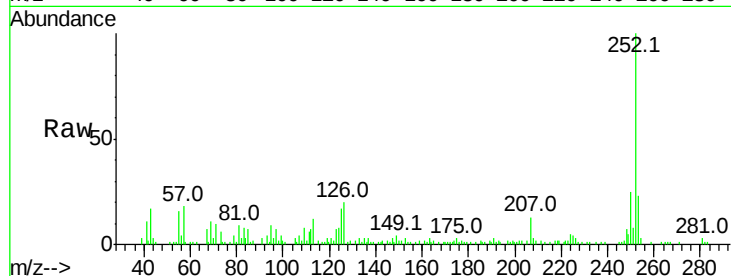
Tot Ion:252 Resp: 55362

Ion Ratio Lower Upper

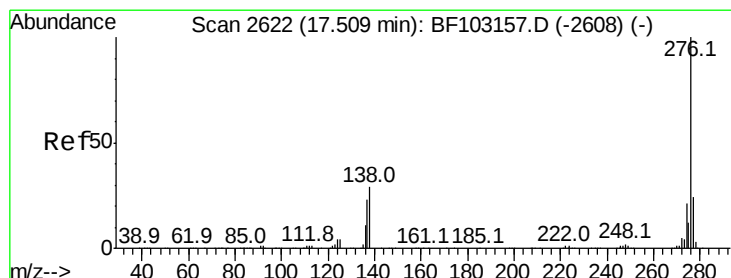
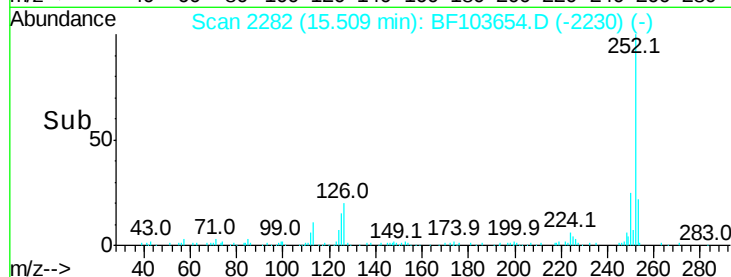
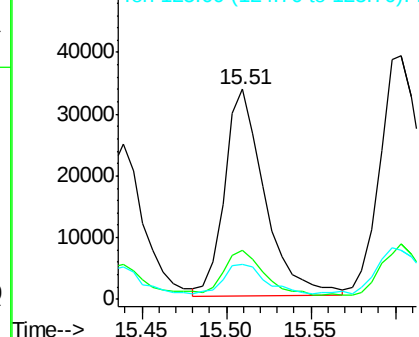
252 100

253 23.2 17.1 25.7

125 16.8 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: 3.719 ng

RT: 17.60 min Scan# 2638

Delta R.T. 0.02 min

Lab File: BF103654.D

Acq: 14 Mar 2018 21:19

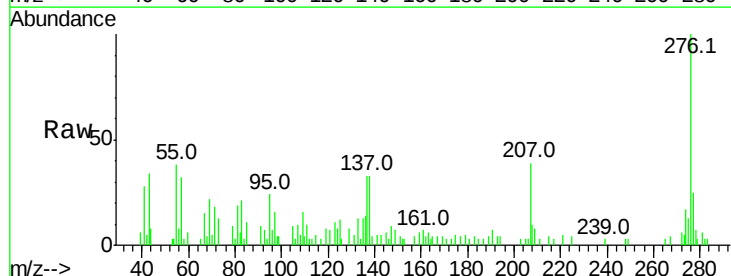
Tgt Ion:276 Resp: 34565

Ion Ratio Lower Upper

276 100

277 25.3 17.9 26.9

138 33.2 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

