

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\
 Data File : BF103457.D
 Acq On : 6 Mar 2018 15:50
 Operator : SJ/JU
 Sample : J1724-19
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 06 16:23:04 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	132249	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	572651	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	231009	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	357771	20.00	ng	0.00
75) Chrysene-d12	14.09	240	224888	20.00	ng	0.02
86) Perylene-d12	15.64	264	165527	20.00	ng	0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	960438	109.84	ng	0.00
7) Phenol-d6	6.52	99	1214230	113.48	ng	0.00
23) Nitrobenzene-d5	7.44	82	722108	72.01	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	166413	85.11	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1013641	73.08	ng	0.00
78) Terphenyl-d14	12.99	244	683252	73.03	ng	0.00

Target Compounds

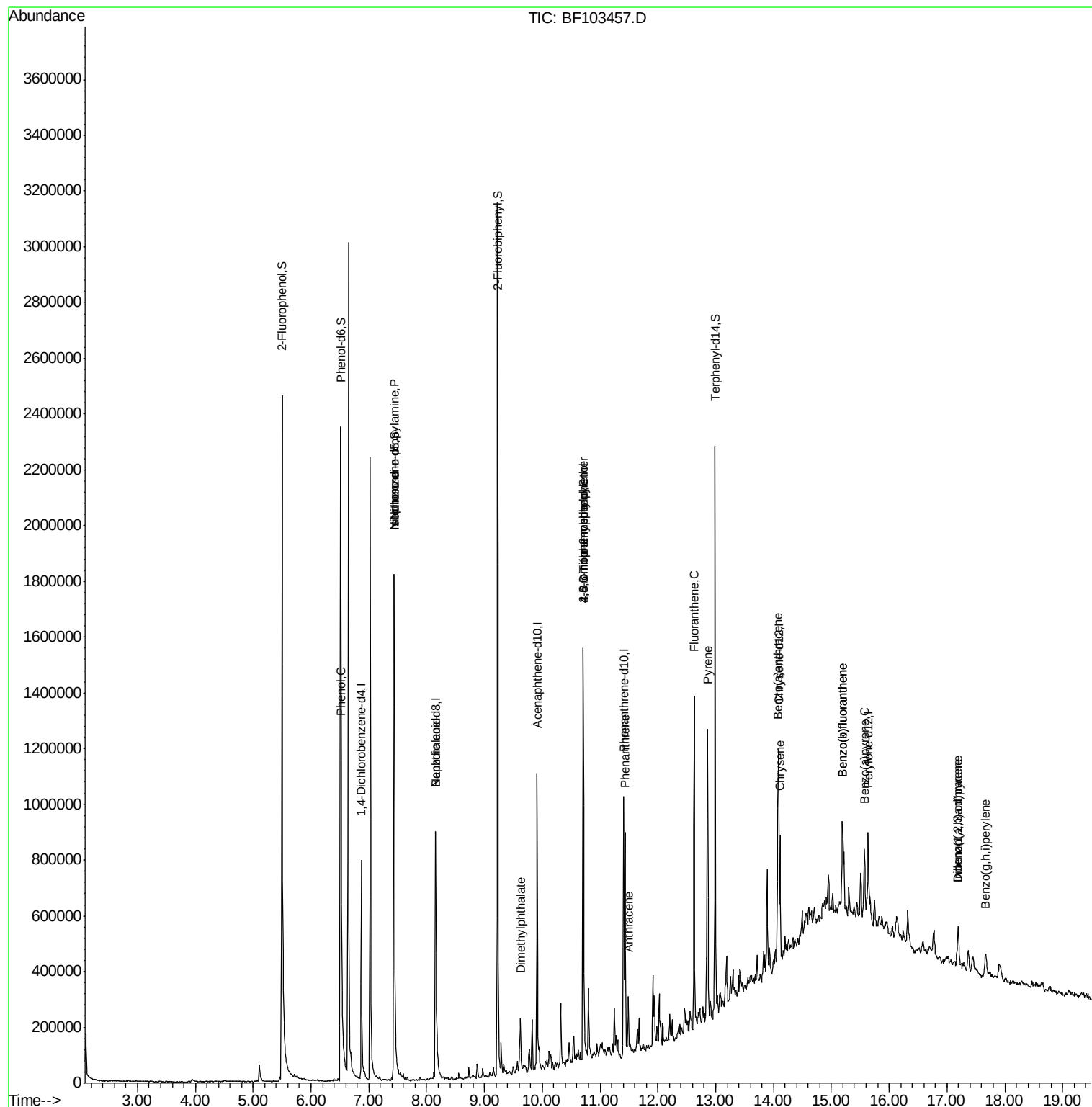
						Qvalue
9) Benzaldehyde	6.46	77	1116	Below Cal	#	1
10) Phenol	6.53	94	32024	2.578 ng	#	44
19) n-Nitroso-di-n-propylamine	7.44	70	94414	14.178 ng	#	81
25) Isophorone	7.44	82	722103	36.564 ng	#	64
32) Benzoic acid	8.16	122	110	6.930 ng	#	1
49) Dimethylphthalate	9.62	163	79077	4.267 ng	#	99
64) 4,6-Dinitro-2-methylphenol	10.72	198	457	5.134 ng	#	1
66) 4-Bromophenyl-phenylether	10.71	248	11780	3.161 ng	#	1
70) Phenanthrene	11.43	178	287763	14.615 ng		98
71) Anthracene	11.49	178	86208	4.270 ng		99
74) Fluoranthene	12.63	202	482466	24.385 ng		99
77) Pyrene	12.86	202	457407	26.087 ng		99
80) Benzo(a)anthracene	14.07	228	206252	14.135 ng		98
82) Chrysene	14.12	228	197925	13.970 ng		98
85) Indeno(1,2,3-cd)pyrene	17.19	276	70670	6.301 ng		99
87) Benzo(b)fluoranthene	15.19	252	266661	24.502 ng	#	92
88) Benzo(k)fluoranthene	15.19	252	266661	26.020 ng	#	95
89) Benzo(a)pyrene	15.57	252	131490	13.529 ng	#	93
90) Dibenzo(a,h)anthracene	17.19	278	19442	2.589 ng	#	71
91) Benzo(a,h,i)perylene	17.67	276	71490	9.740 ng	#	92

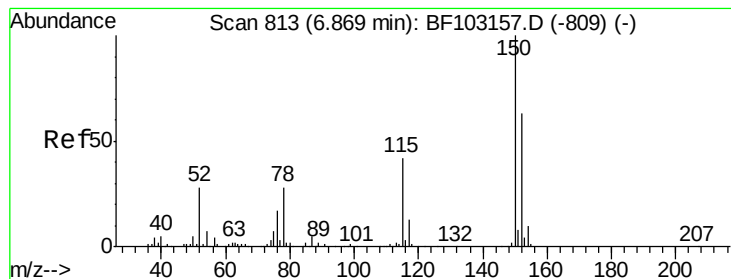
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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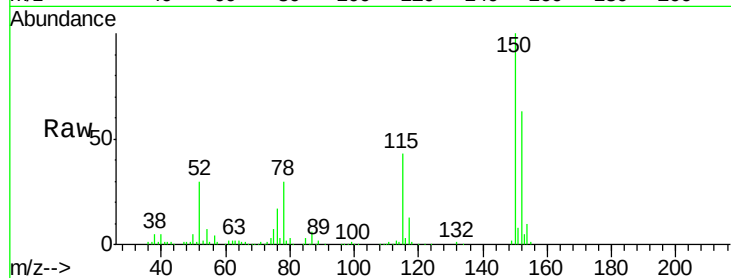


#1

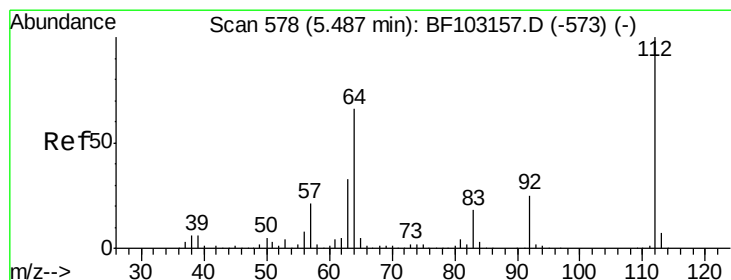
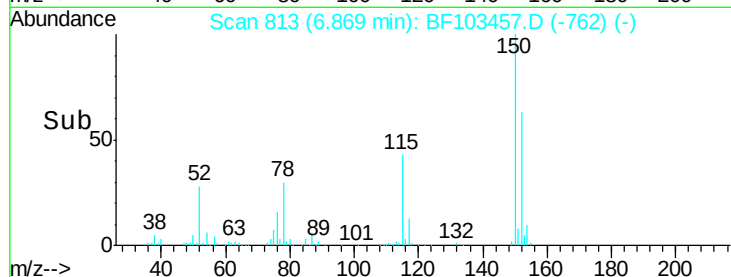
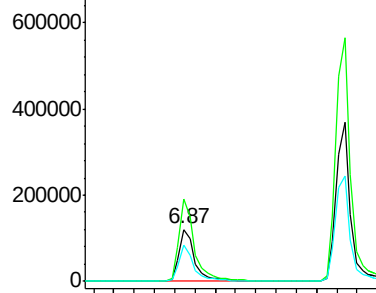
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103457.D
Acq: 6 Mar 2018 15:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 132249
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 68.6 50.1 75.1



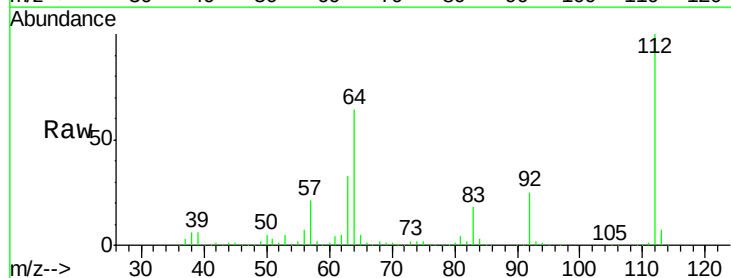
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



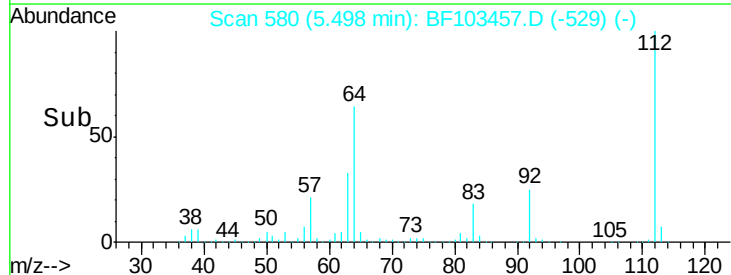
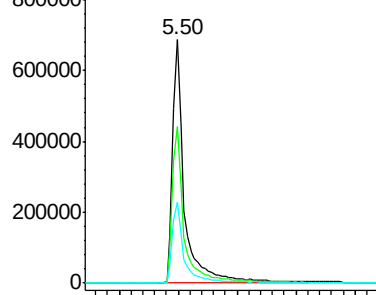
#5

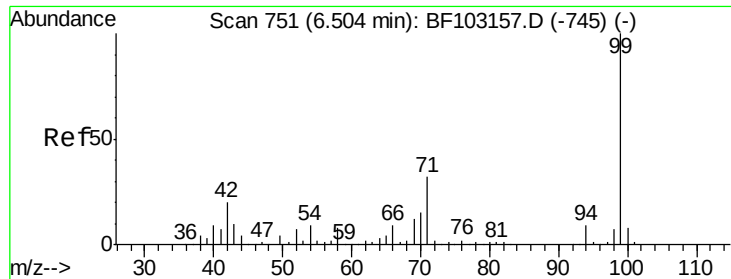
2-Fluorophenol
Concen: 109.838 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF103457.D
Acq: 6 Mar 2018 15:50

Tgt Ion:112 Resp: 960438
Ion Ratio Lower Upper
112 100
64 64.1 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: 113.482 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF103457.D

Acq: 6 Mar 2018 15:50

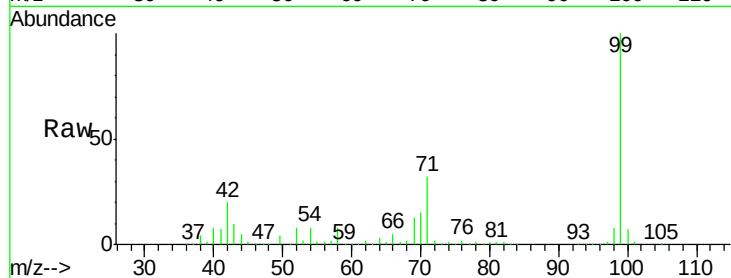
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1214230

Ion	Ratio	Lower	Upper
99	100		
42	20.4	14.5	21.7
71	31.7	25.4	38.0

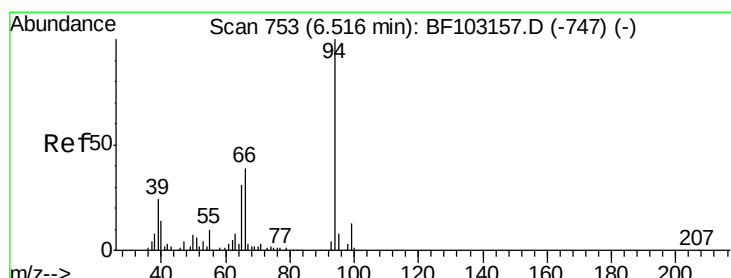
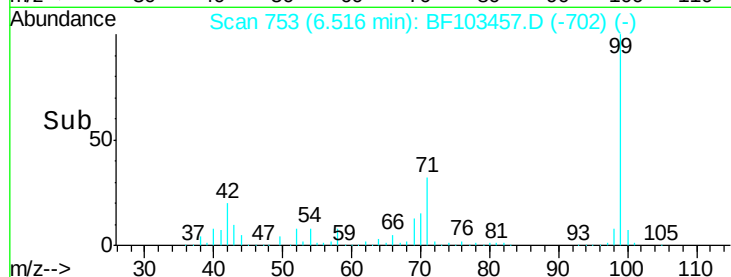


Abundance

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



#10

Phenol

Concen: 2.578 ng

RT: 6.53 min Scan# 755

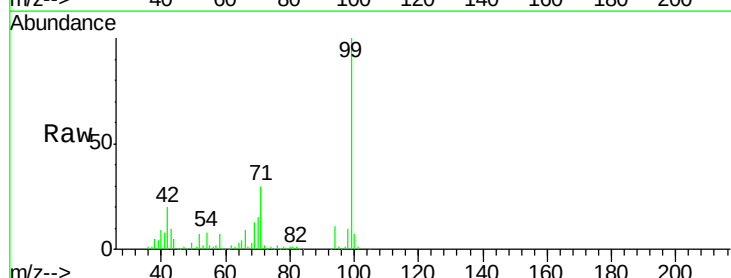
Delta R.T. 0.00 min

Lab File: BF103457.D

Acq: 6 Mar 2018 15:50

Tgt Ion: 94 Resp: 32024

Ion	Ratio	Lower	Upper
94	100		
65	39.5	7.9	47.9
66	84.9	16.2	56.2

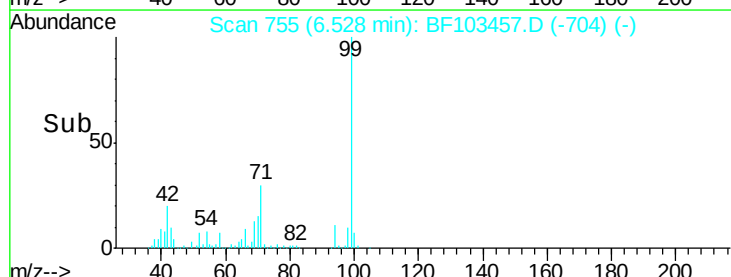


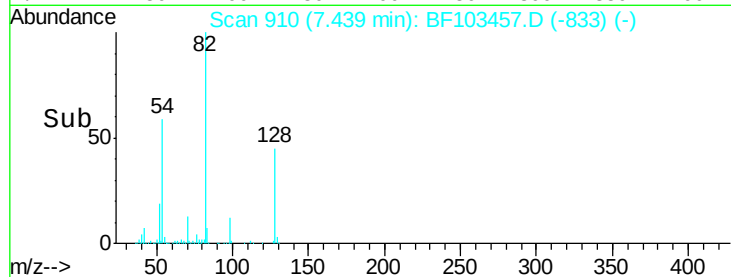
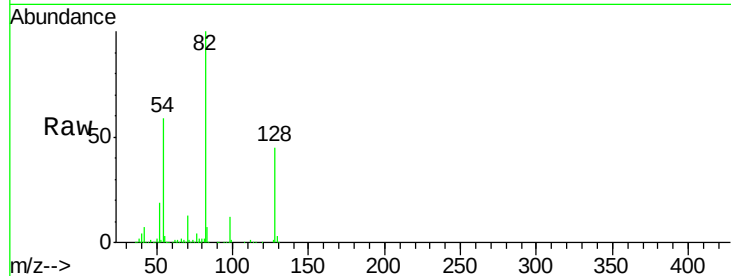
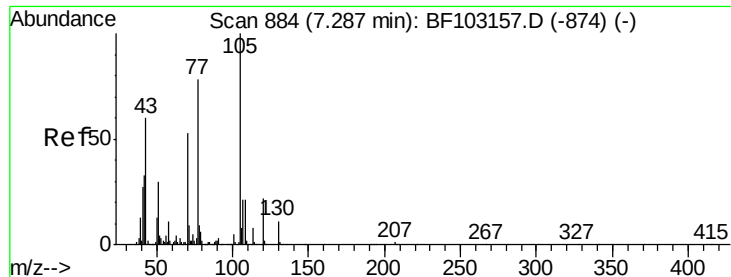
Abundance

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

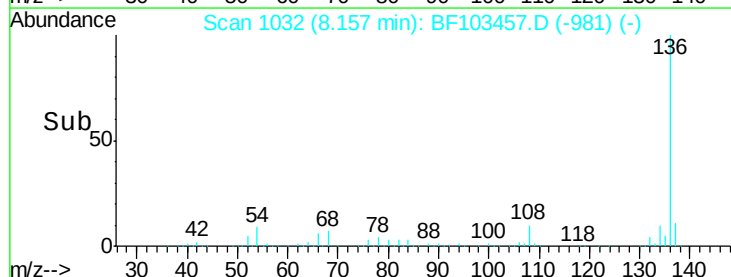
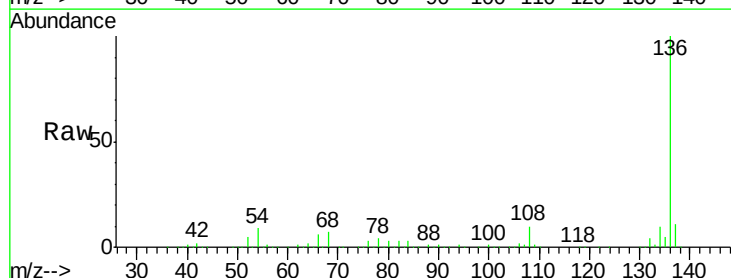
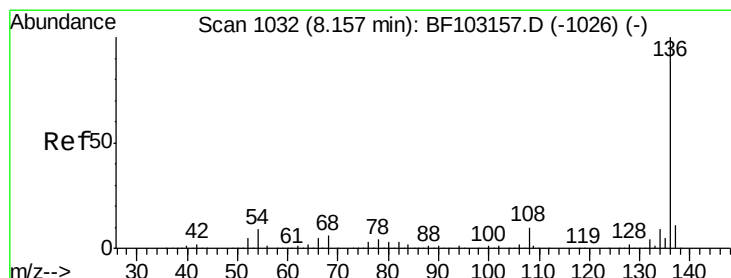
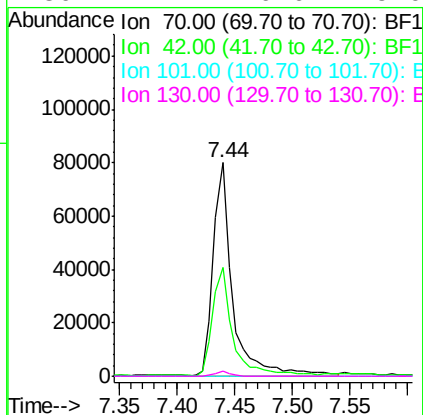




#19
n-Nitroso-di-n-propylamine
Concen: 14.178 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF103457.D
Acq: 6 Mar 2018 15:50

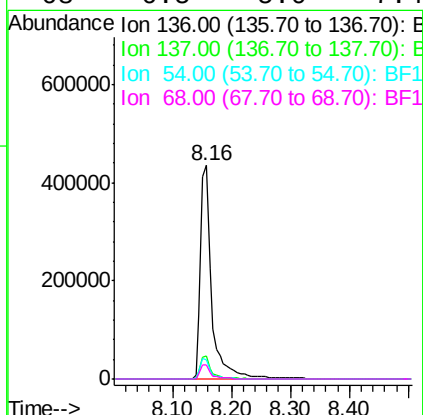
Instrument :
BNA_F
ClientSampleId :

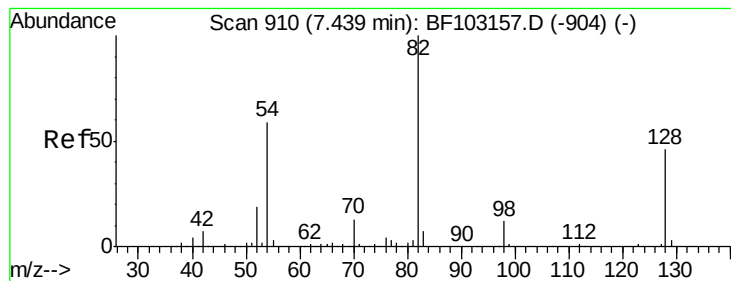
Tot Ion: 70 Resp: 94414
Ion Ratio Lower Upper
70 100
42 51.1 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103457.D
Acq: 6 Mar 2018 15:50

Tgt Ion: 136 Resp: 572651
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.8 6.6 9.8
68 6.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 72.013 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103457.D

Acq: 6 Mar 2018 15:50

Instrument :

BNA_F

ClientSampleId :

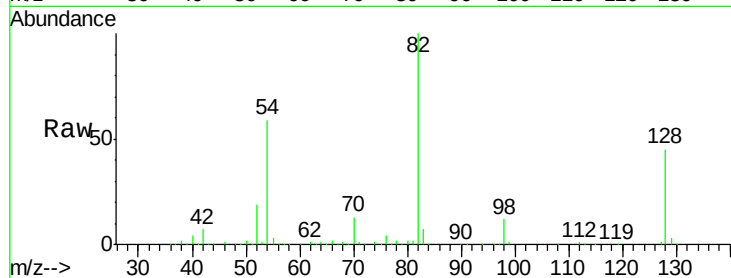
Tot Ion: 82 Resp: 722108

Ion Ratio Lower Upper

82 100

128 44.9 36.1 54.1

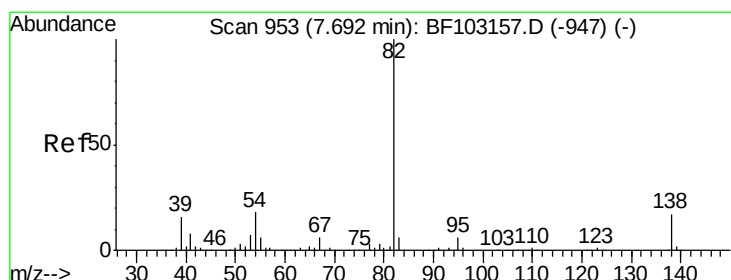
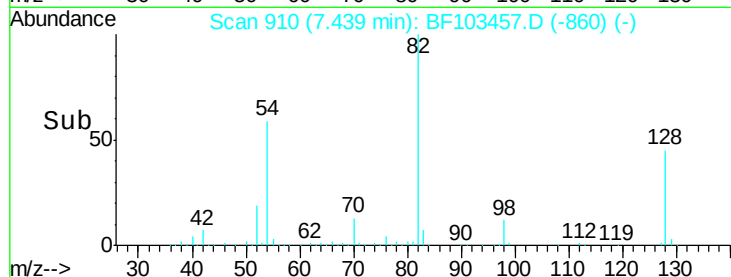
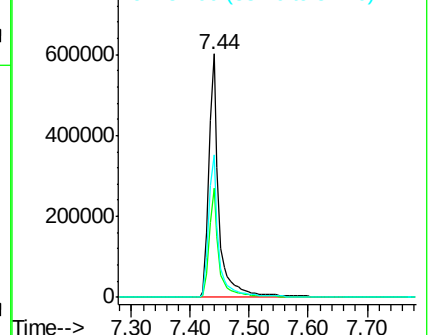
54 58.7 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 36.564 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103457.D

Acq: 6 Mar 2018 15:50

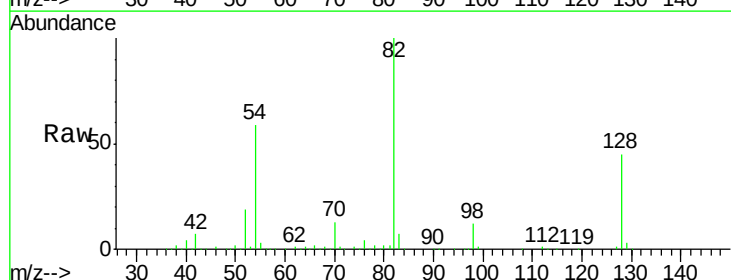
Tgt Ion: 82 Resp: 722103

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

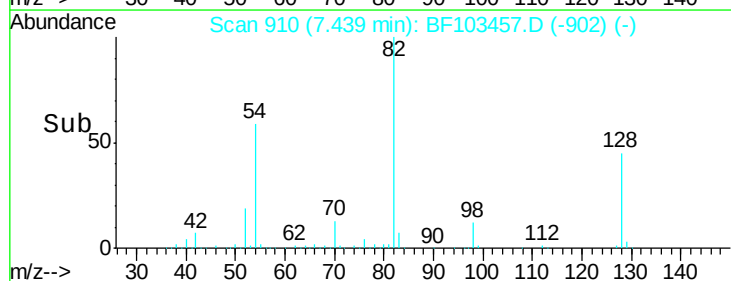
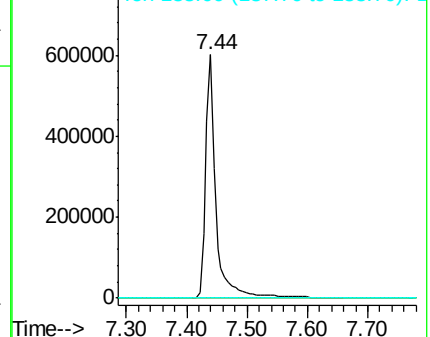
138 0.0 14.9 22.3#

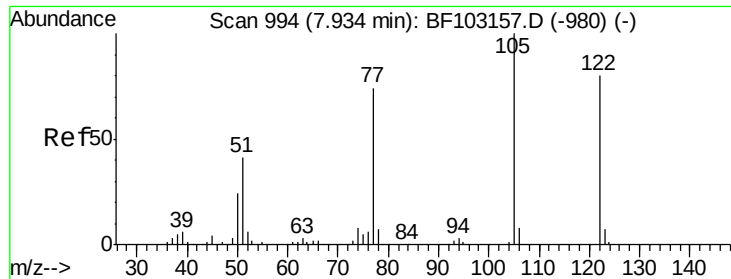


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

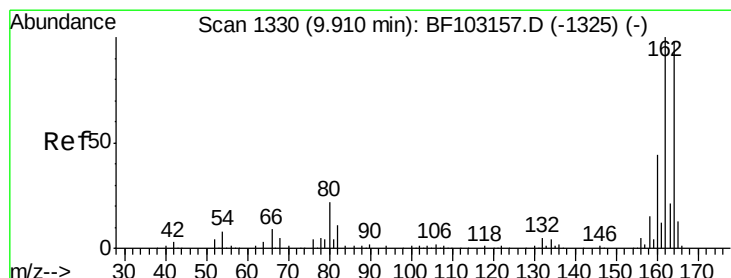
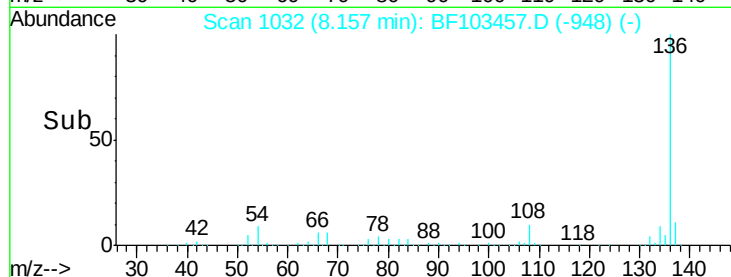
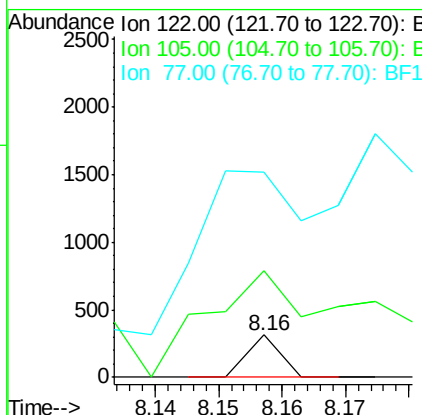
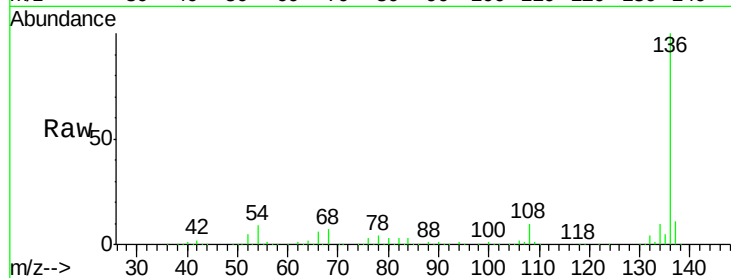




#32
Benzoic acid
Concen: 6.930 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.19 min
Lab File: BF103457.D
Acq: 6 Mar 2018 15:50

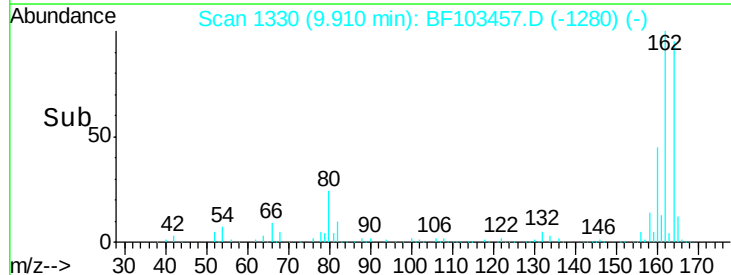
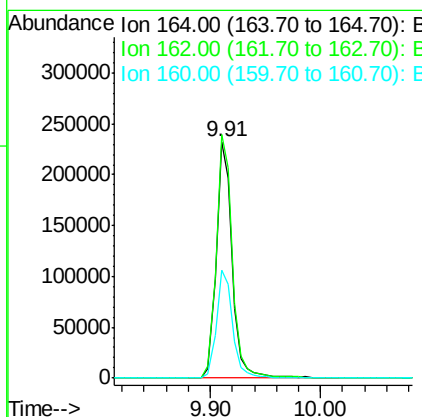
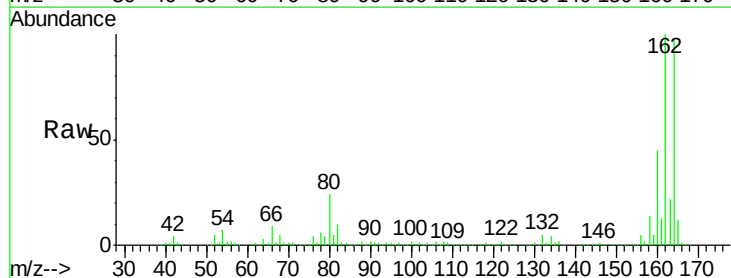
Instrument :
BNA_F
ClientSampleId :

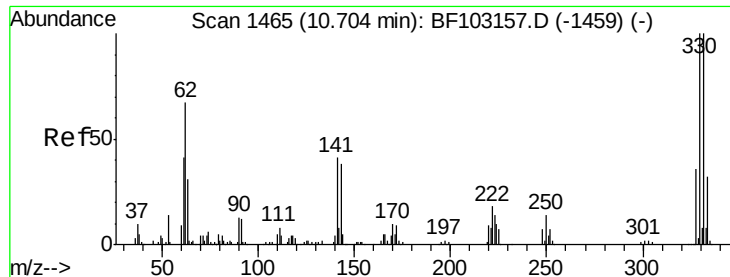
Tot Ion:122 Resp: 110
Ion Ratio Lower Upper
122 100
105 253.5 101.1 141.1#
77 485.6 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103457.D
Acq: 6 Mar 2018 15:50

Tgt Ion:164 Resp: 231009
Ion Ratio Lower Upper
164 100
162 103.0 86.1 129.1
160 45.9 38.3 57.5

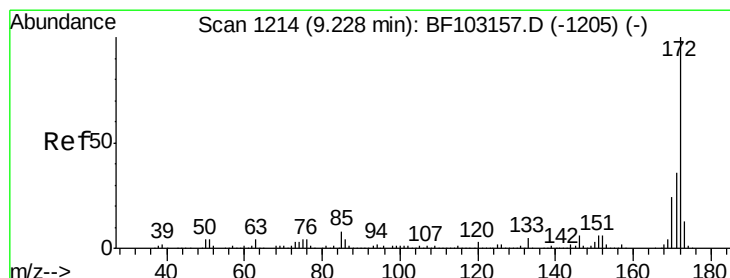
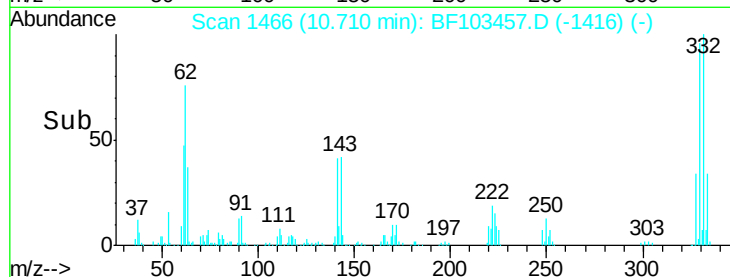
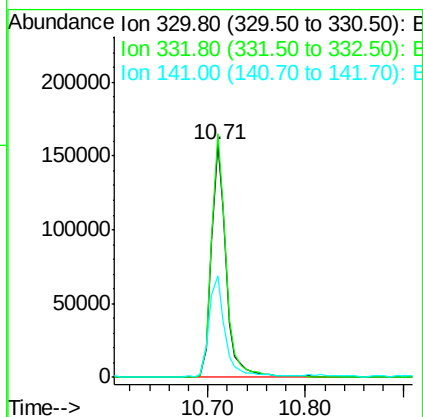
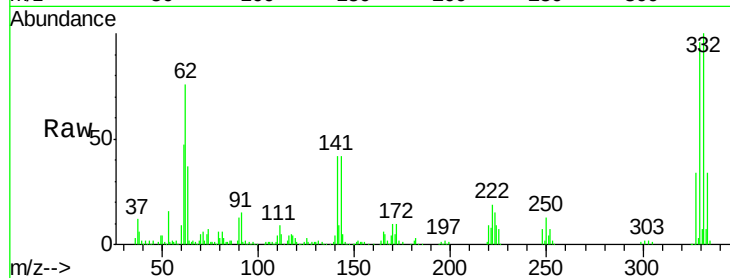




#41
 2,4,6-Tribromophenol
 Concen: 85.106 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103457.D
 Acq: 6 Mar 2018 15:50

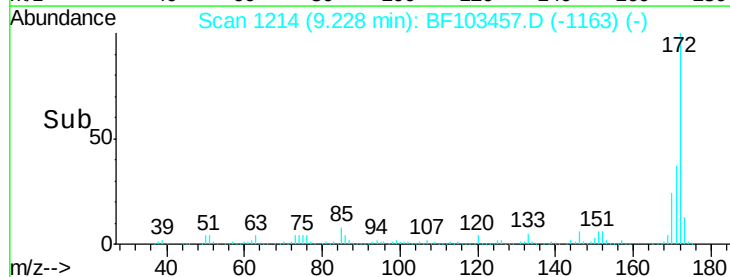
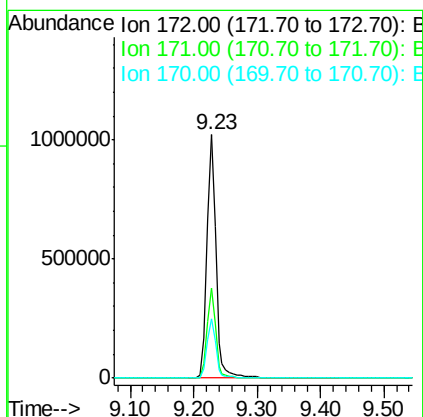
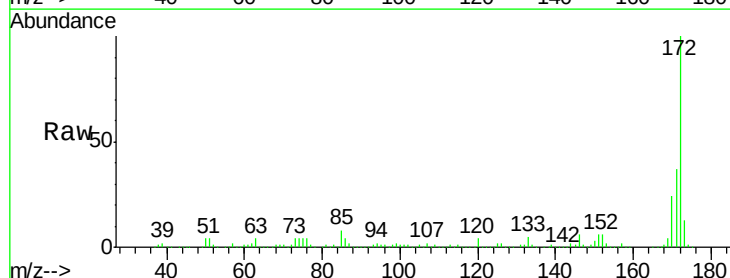
Instrument :
 BNA_F
 ClientSampleId :

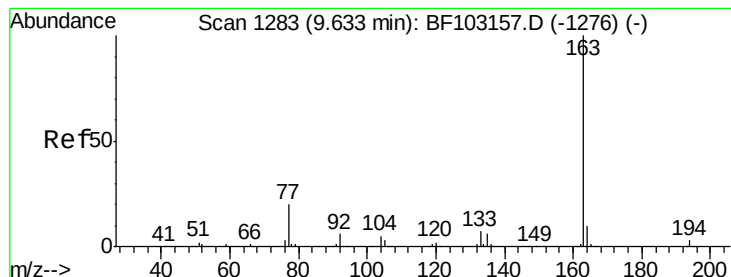
Tot Ion:330 Resp: 166413
 Ion Ratio Lower Upper
 330 100
 332 104.0 77.0 115.6
 141 46.9 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 73.085 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103457.D
 Acq: 6 Mar 2018 15:50

Tgt Ion:172 Resp: 1013641
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.7 44.5
 170 24.4 19.6 29.4





#49

Dimethylphthalate

Concen: 4.267 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF103457.D

Acq: 6 Mar 2018 15:50

Instrument :

BNA_F

ClientSampled :

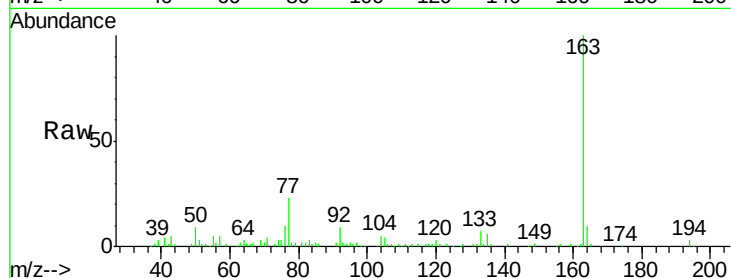
Tot Ion:163 Resp: 79077

Ion Ratio Lower Upper

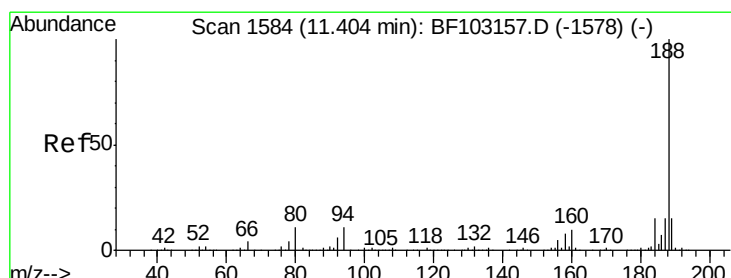
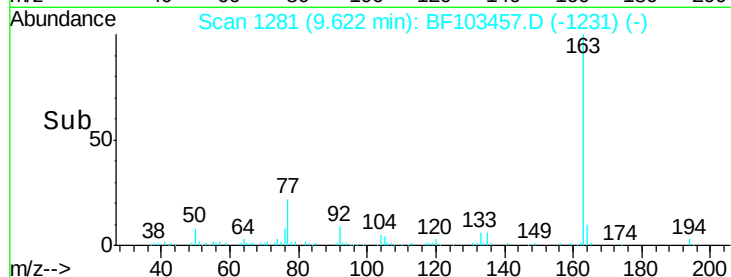
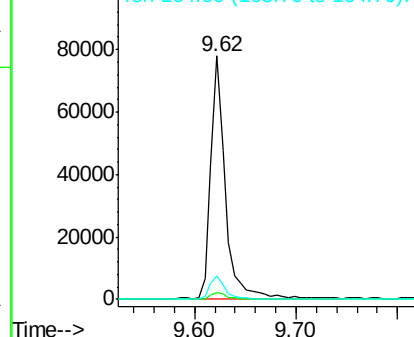
163 100

194 2.7 2.7 4.1#

164 9.8 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF103457.D

Acq: 6 Mar 2018 15:50

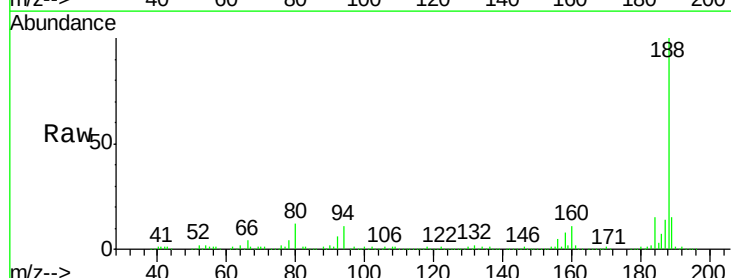
Tgt Ion:188 Resp: 357771

Ion Ratio Lower Upper

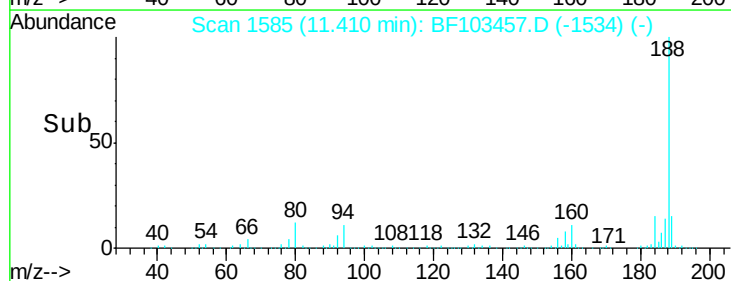
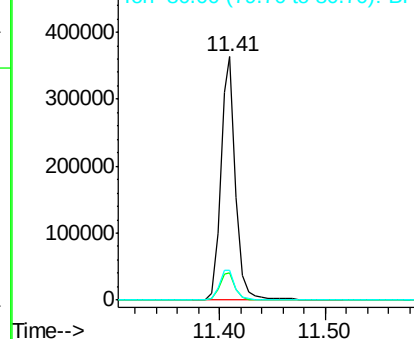
188 100

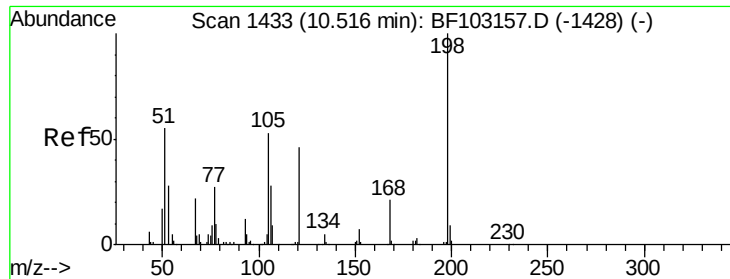
94 11.0 8.5 12.7

80 12.1 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

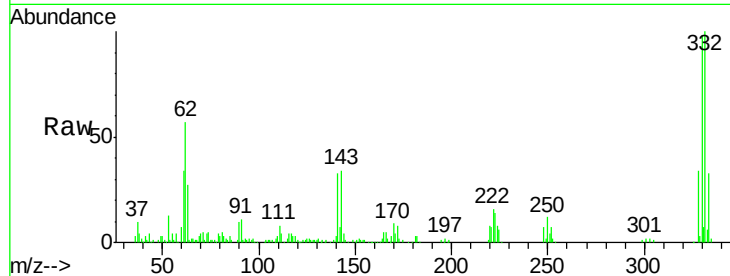




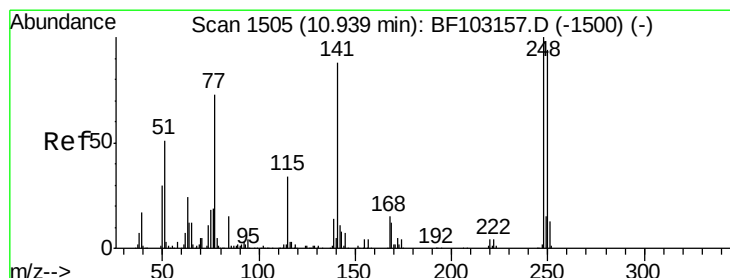
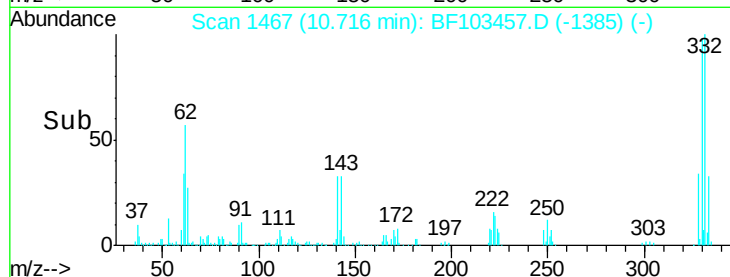
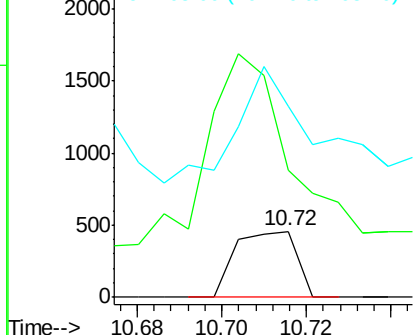
#64
4,6-Dinitro-2-methylphenol
Concen: 5.134 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.18 min
Lab File: BF103457.D
Acq: 6 Mar 2018 15:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 457
Ion Ratio Lower Upper
198 100
51 193.7 37.7 77.7#
105 289.3 36.3 76.3#

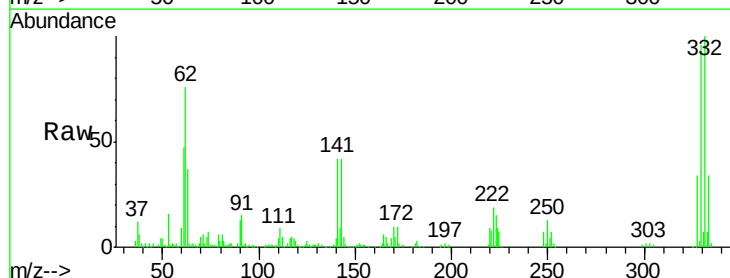


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

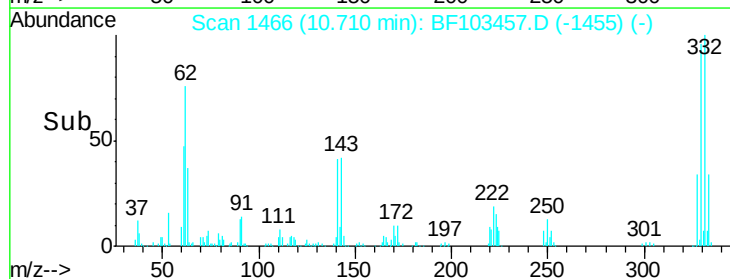
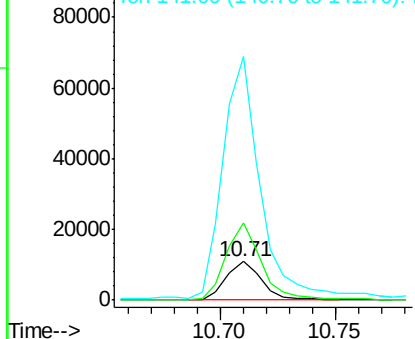


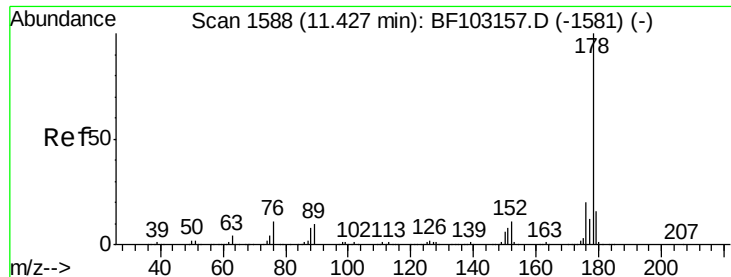
#66
4-Bromophenyl-phenylether
Concen: 3.161 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103457.D
Acq: 6 Mar 2018 15:50

Tgt Ion:248 Resp: 11780
Ion Ratio Lower Upper
248 100
250 203.1 76.9 115.3#
141 635.7 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

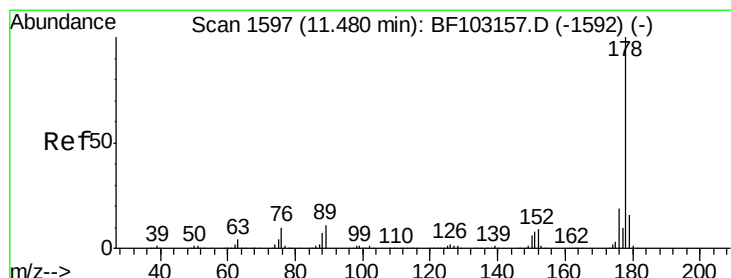
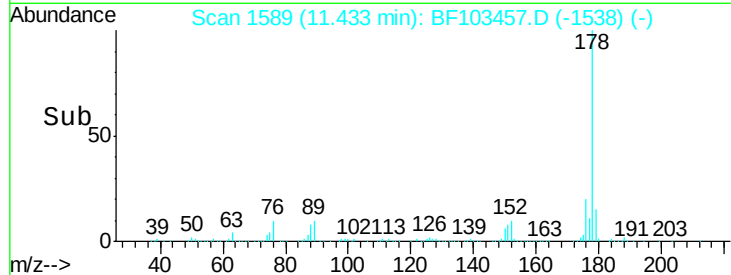
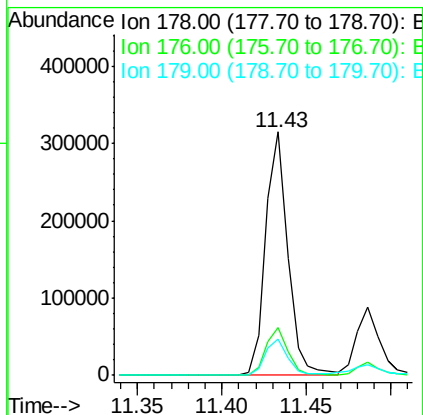
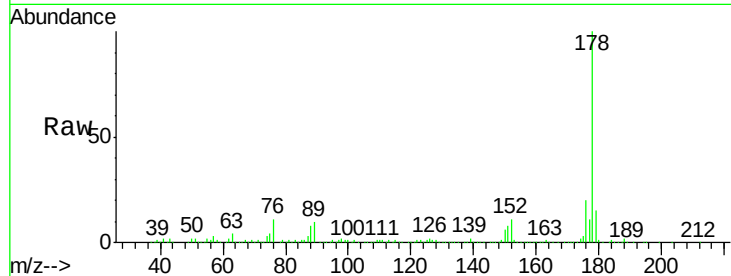




#70
Phenanthrene
Concen: 14.615 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF103457.D
Acq: 6 Mar 2018 15:50

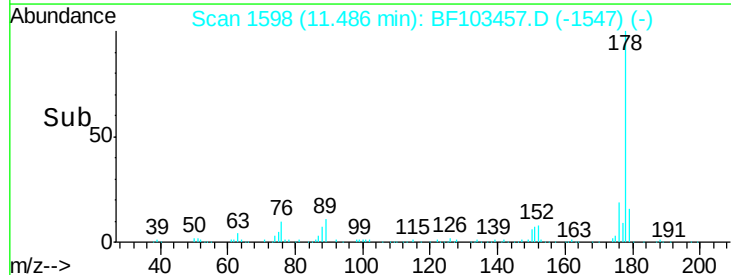
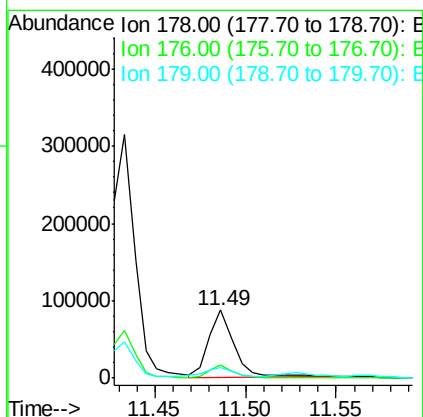
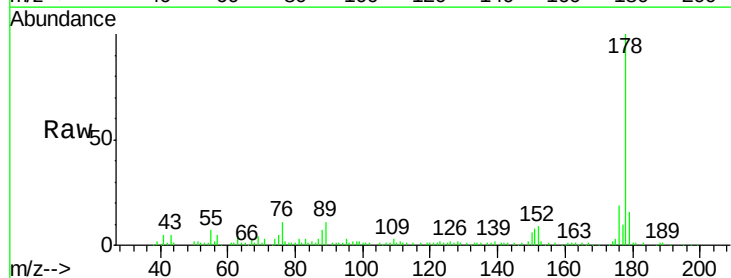
Instrument :
BNA_F
ClientSampleId :

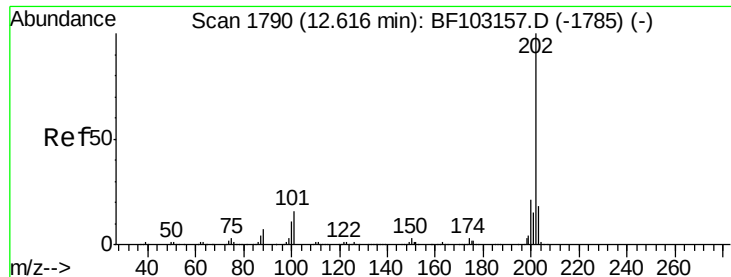
Tot Ion:178 Resp: 287763
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.0 13.0 19.6



#71
Anthracene
Concen: 4.270 ng
RT: 11.49 min Scan# 1598
Delta R.T. 0.00 min
Lab File: BF103457.D
Acq: 6 Mar 2018 15:50

Tgt Ion:178 Resp: 86208
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 16.4 12.6 19.0

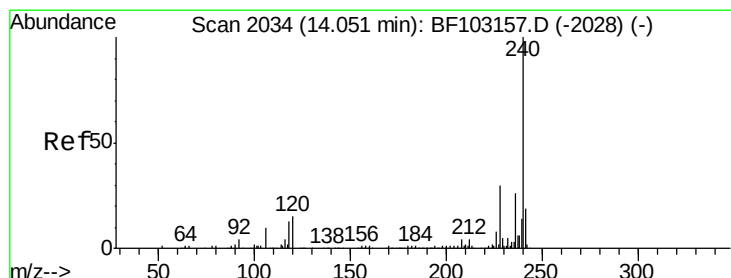
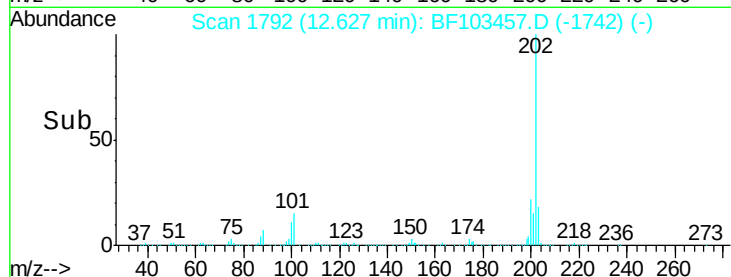
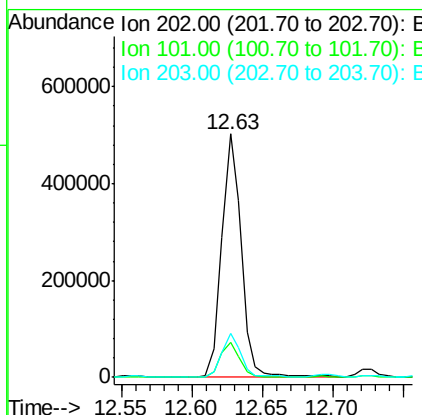
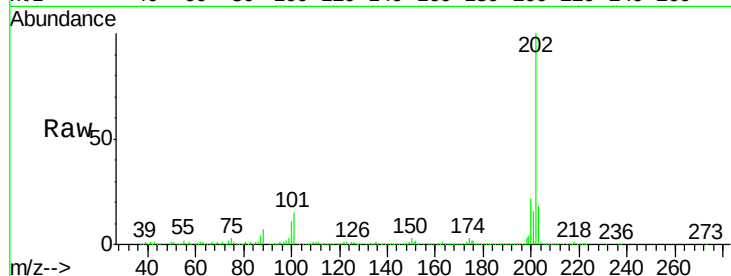




#74
 Fluoranthene
 Concen: 24.385 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BF103457.D
 Acq: 6 Mar 2018 15:50

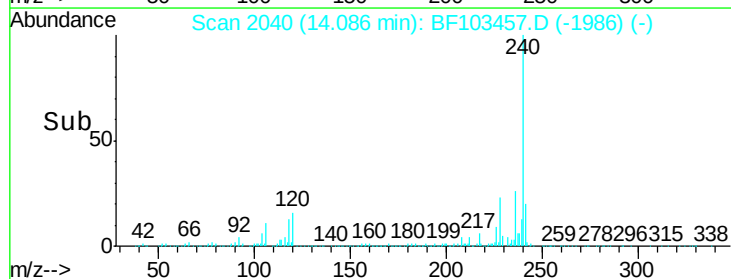
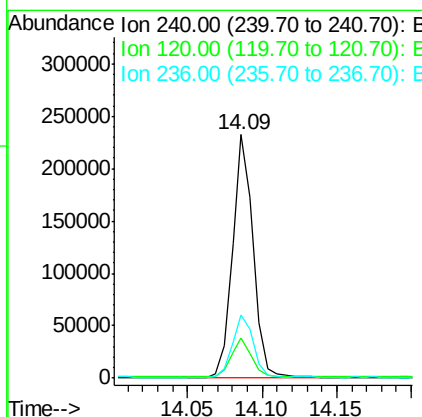
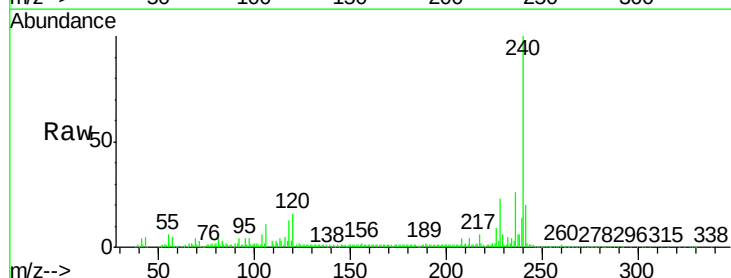
Instrument :
 BNA_F
 ClientSampleId :

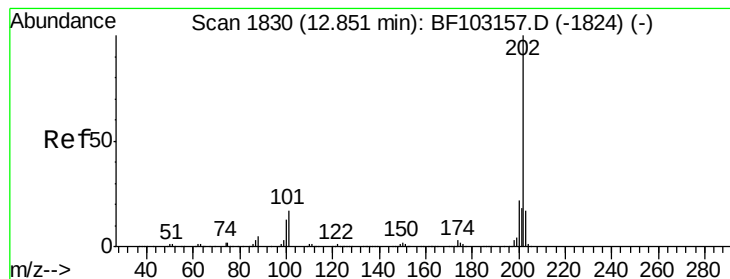
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	34.1
203	17.8	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. 0.02 min
 Lab File: BF103457.D
 Acq: 6 Mar 2018 15:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.2	9.5	14.3#
236	26.1	20.7	31.1





#77

Pvrene

Concen: 26.087 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF103457.D

Acq: 6 Mar 2018 15:50

Instrument :

BNA_F

ClientSampleId :

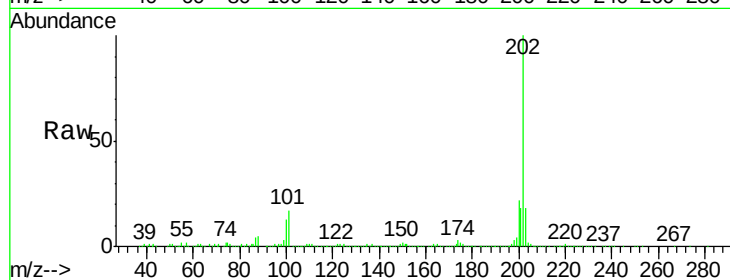
Tot Ion:202 Resp: 457407

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

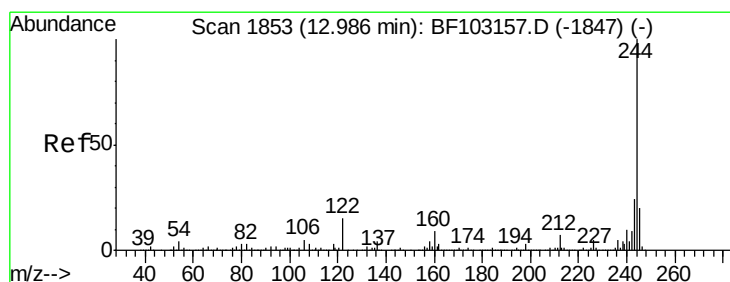
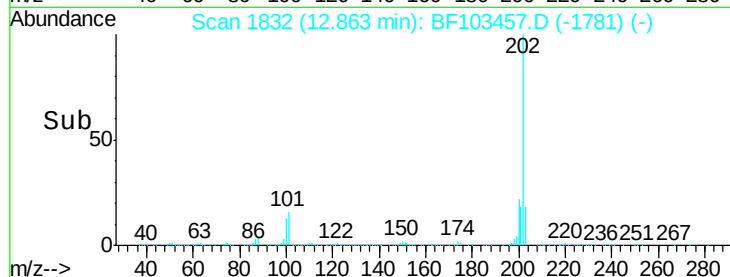
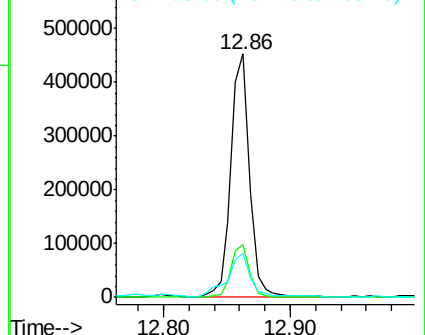
203 18.2 14.3 21.5



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: 73.034 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF103457.D

Acq: 6 Mar 2018 15:50

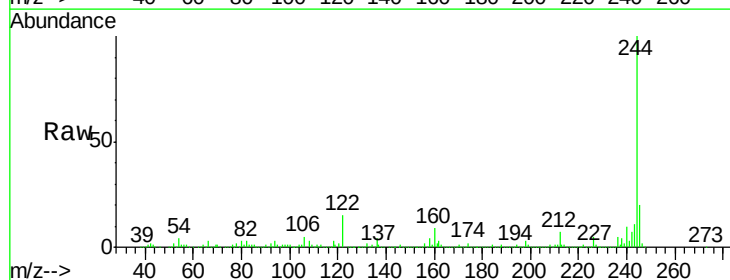
Tgt Ion:244 Resp: 683252

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

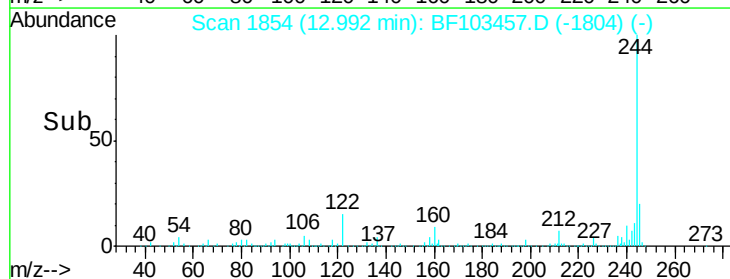
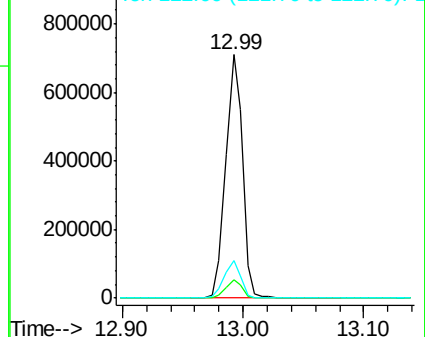
122 15.5 11.0 16.4

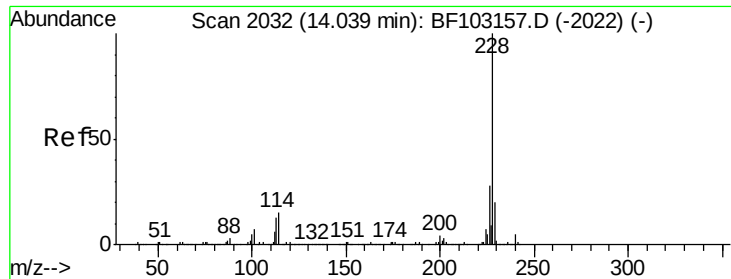


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

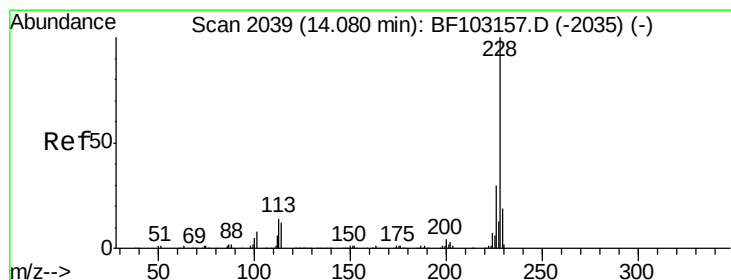
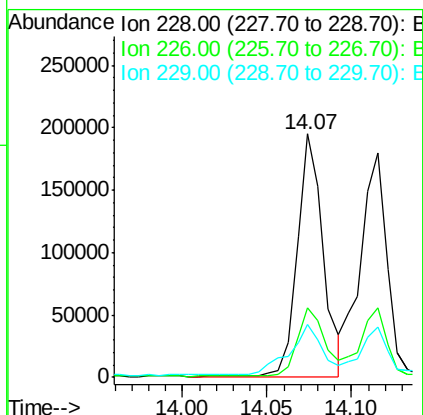
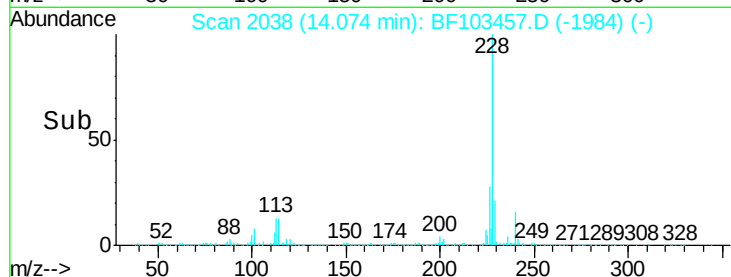
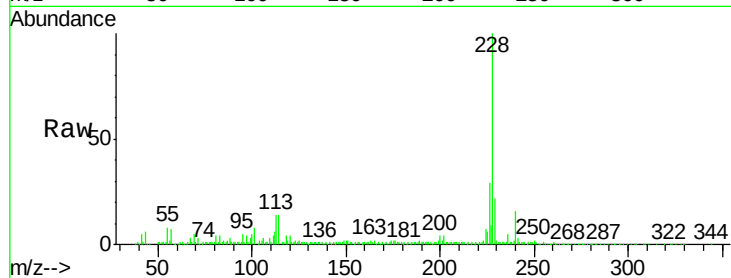




#80
Benzo(a)anthracene
Concen: 14.135 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.02 min
Lab File: BF103457.D
Acq: 6 Mar 2018 15:50

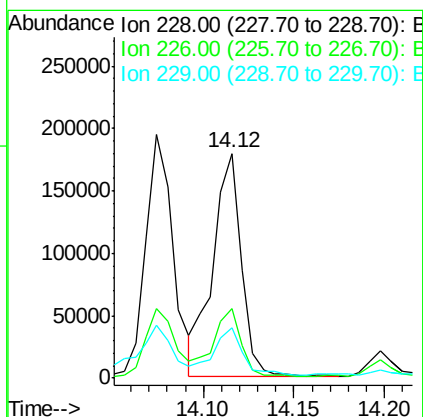
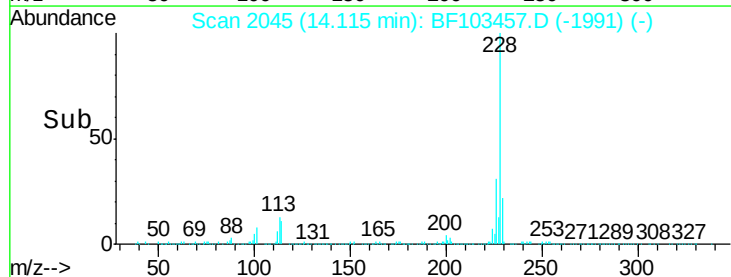
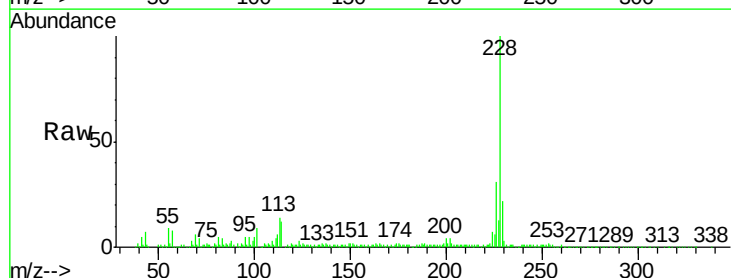
Instrument :
BNA_F
ClientSampleId :

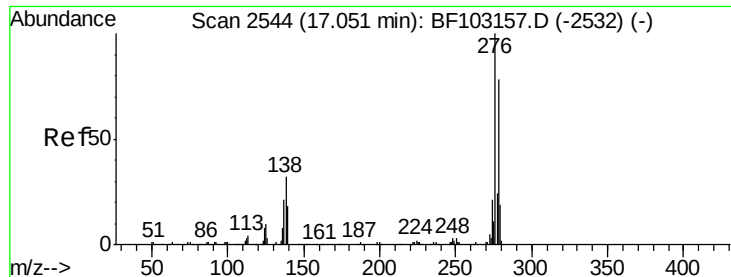
Tot Ion:228 Resp: 206252
Ion Ratio Lower Upper
228 100
226 28.7 22.6 33.8
229 21.5 15.8 23.6



#82
Chrysene
Concen: 13.970 ng
RT: 14.12 min Scan# 2045
Delta R.T. 0.02 min
Lab File: BF103457.D
Acq: 6 Mar 2018 15:50

Tgt Ion:228 Resp: 197925
Ion Ratio Lower Upper
228 100
226 31.2 25.0 37.6
229 22.4 16.2 24.4

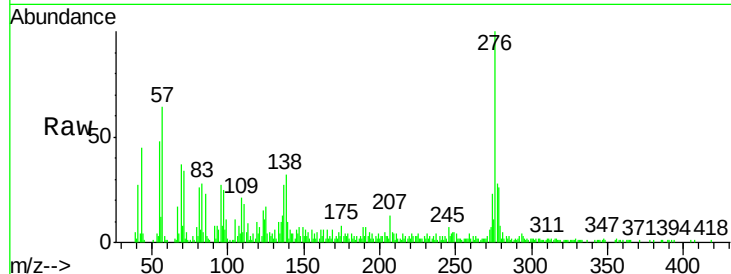




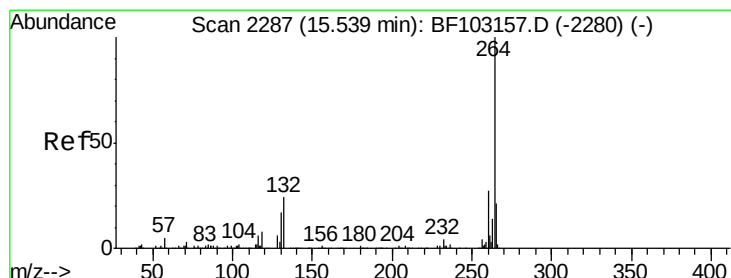
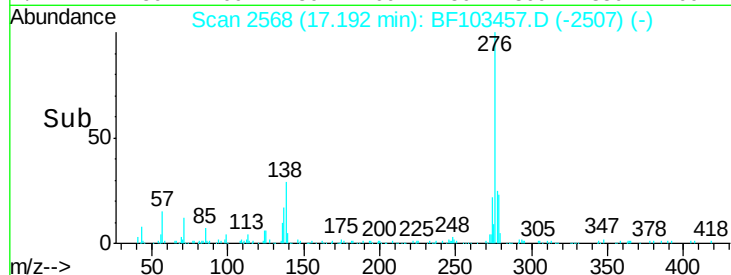
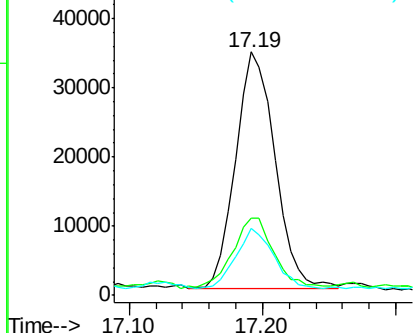
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.301 ng
 RT: 17.19 min Scan# 2568
 Delta R.T. 0.06 min
 Lab File: BF103457.D
 Acq: 6 Mar 2018 15:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 70670
 Ion Ratio Lower Upper
 276 100
 138 31.2 25.0 37.6
 277 24.1 20.1 30.1

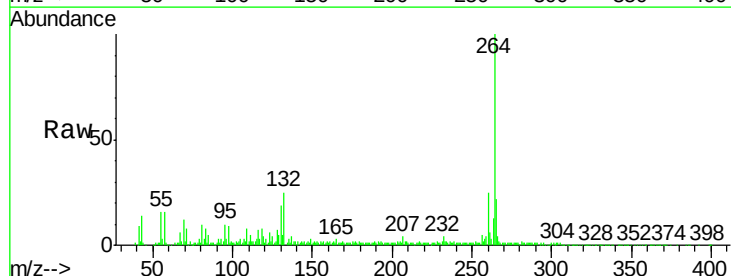


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

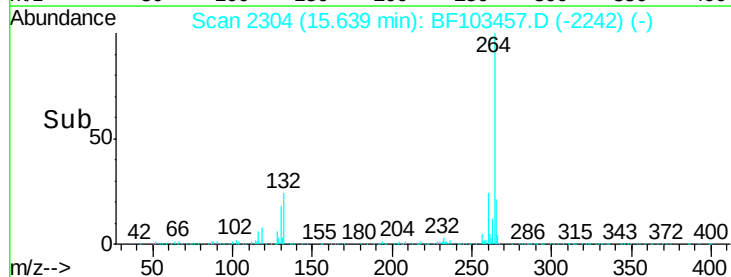
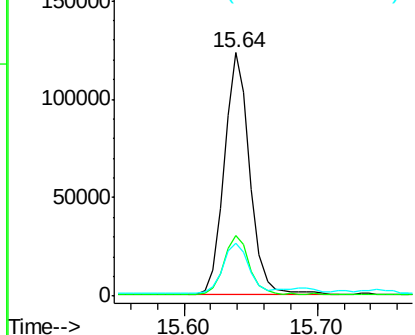


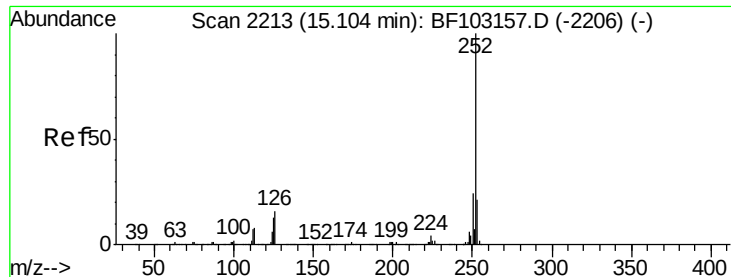
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.64 min Scan# 2304
 Delta R.T. 0.06 min
 Lab File: BF103457.D
 Acq: 6 Mar 2018 15:50

Tgt Ion:264 Resp: 165527
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.2 28.8
 265 21.9 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

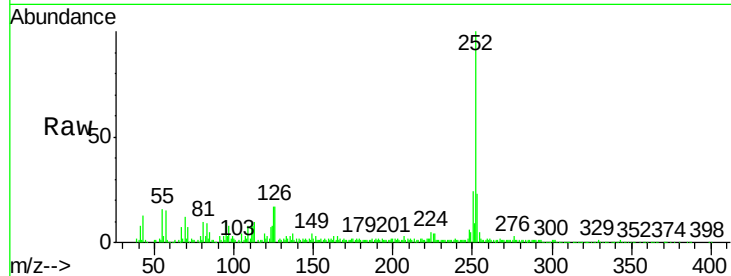




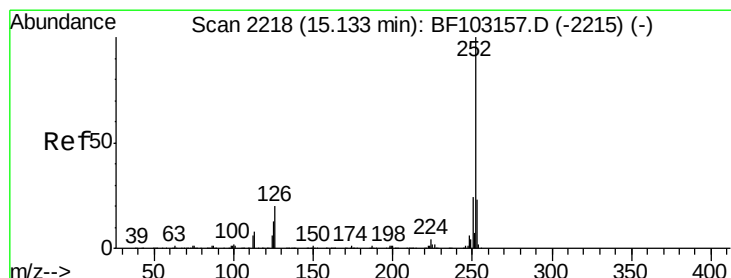
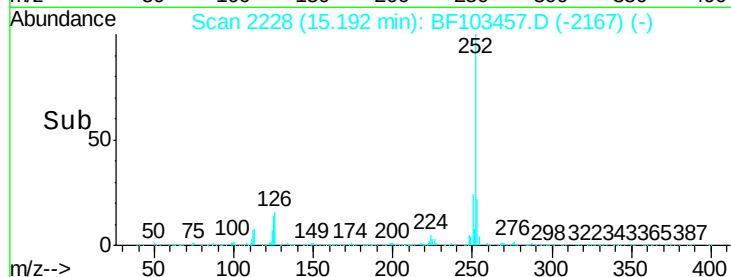
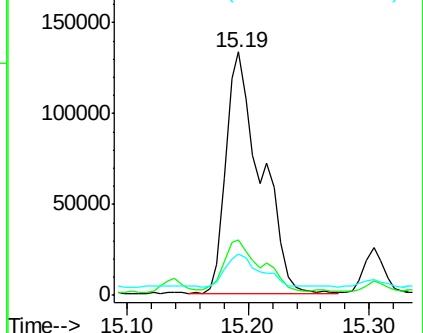
#87
Benzo(b)fluoranthene
Concen: 24.502 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.06 min
Lab File: BF103457.D
Acq: 6 Mar 2018 15:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 266661
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 17.1 9.0 13.6#

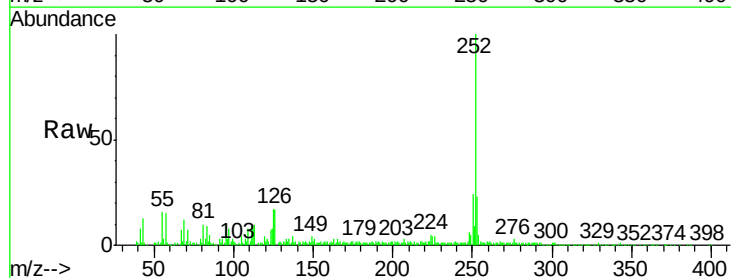


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

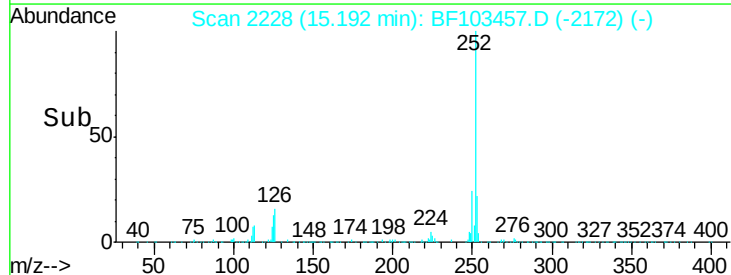
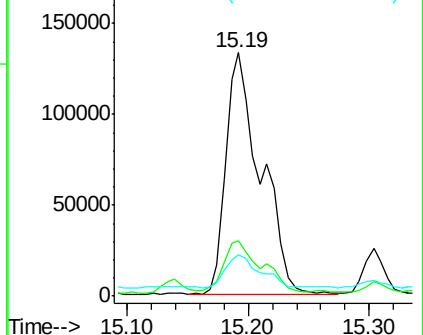


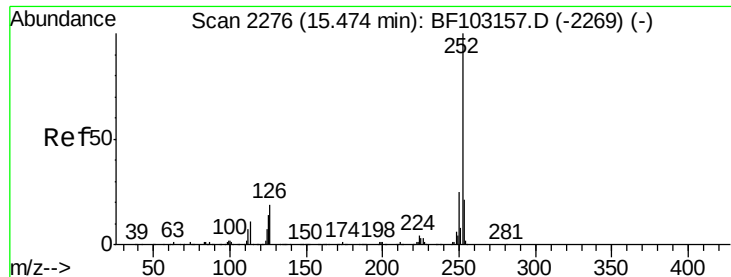
#88
Benzo(k)fluoranthene
Concen: 26.020 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.03 min
Lab File: BF103457.D
Acq: 6 Mar 2018 15:50

Tgt Ion:252 Resp: 266661
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 17.1 10.2 15.2#



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





#89

Benzo(a)pyrene

Concen: 13.529 ng

RT: 15.57 min Scan# 2293

Delta R.T. 0.06 min

Lab File: BF103457.D

Acq: 6 Mar 2018 15:50

Instrument :

BNA_F

ClientSampleId :

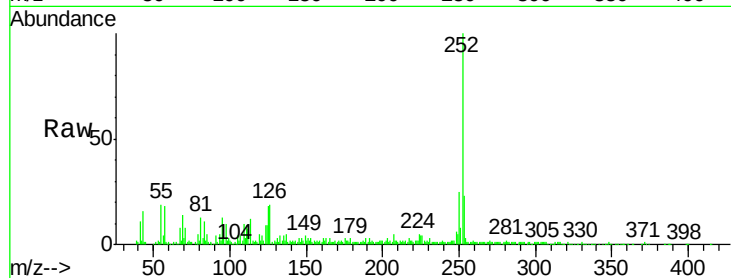
Tot Ion:252 Resp: 131490

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

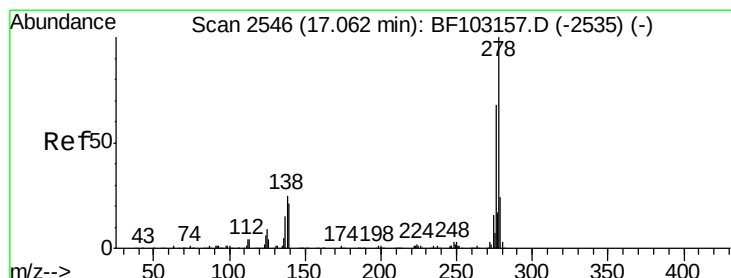
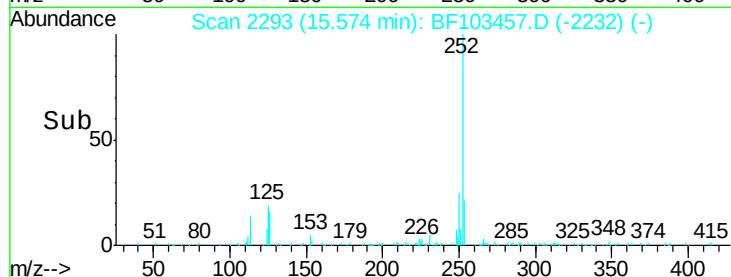
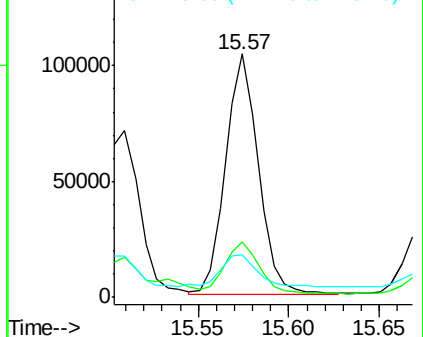
125 17.6 9.8 14.6#



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



#90

Dibenzo(a,h)anthracene

Concen: 2.589 ng

RT: 17.19 min Scan# 2568

Delta R.T. 0.06 min

Lab File: BF103457.D

Acq: 6 Mar 2018 15:50

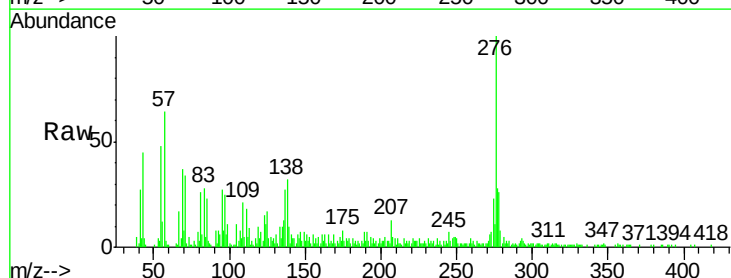
Tgt Ion:278 Resp: 19442

Ion Ratio Lower Upper

278 100

139 40.1 15.9 23.9#

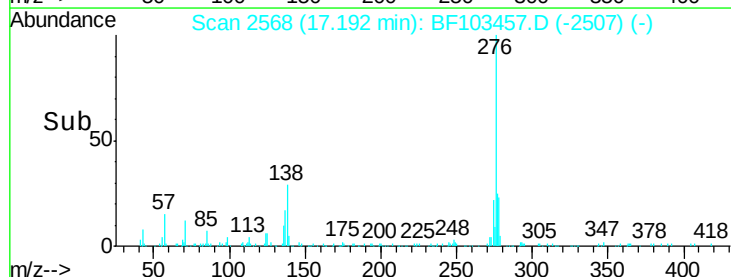
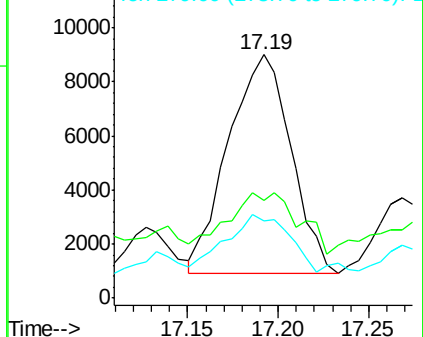
279 31.5 19.0 28.4#

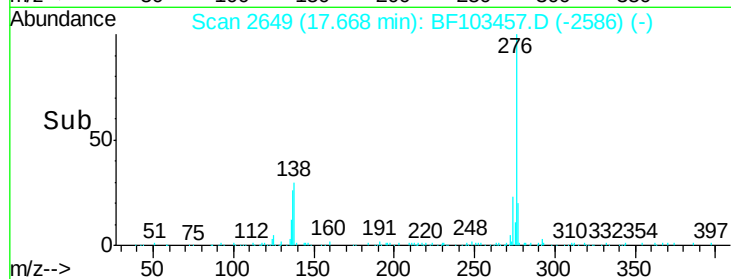
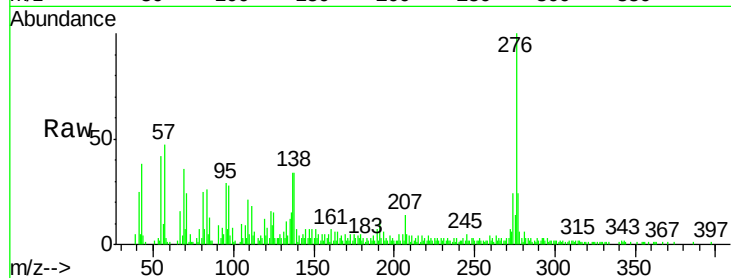
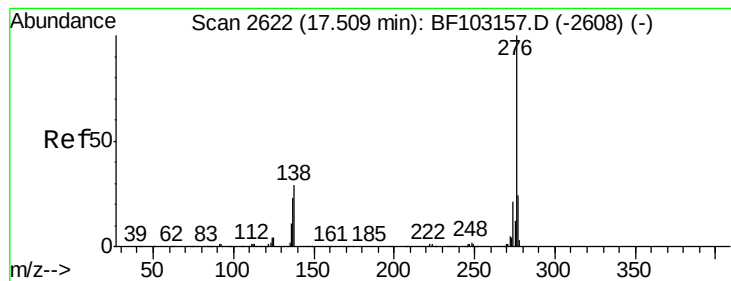


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 9.740 ng

RT: 17.67 min Scan# 2649

Delta R.T. 0.07 min

Lab File: BF103457.D

Acq: 6 Mar 2018 15:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 71490

Ion Ratio Lower Upper

276 100

277 23.5 17.9 26.9

138 34.0 21.8 32.8

