

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\
 Data File : BF103479.D
 Acq On : 7 Mar 2018 1:54
 Operator : SJ/JU
 Sample : J1810-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 07 06:33:39 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	129442	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	525769	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	206180	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	299695	20.00	ng	0.00
75) Chrysene-d12	14.06	240	185161	20.00	ng	0.00
86) Perylene-d12	15.57	264	143166	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	847959	99.08	ng	0.00
7) Phenol-d6	6.51	99	1071446	102.31	ng	0.00
23) Nitrobenzene-d5	7.43	82	698114	75.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	131430	75.31	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	870868	69.67	ng	0.00
78) Terphenyl-d14	12.99	244	560573	72.78	ng	0.00

Target Compounds

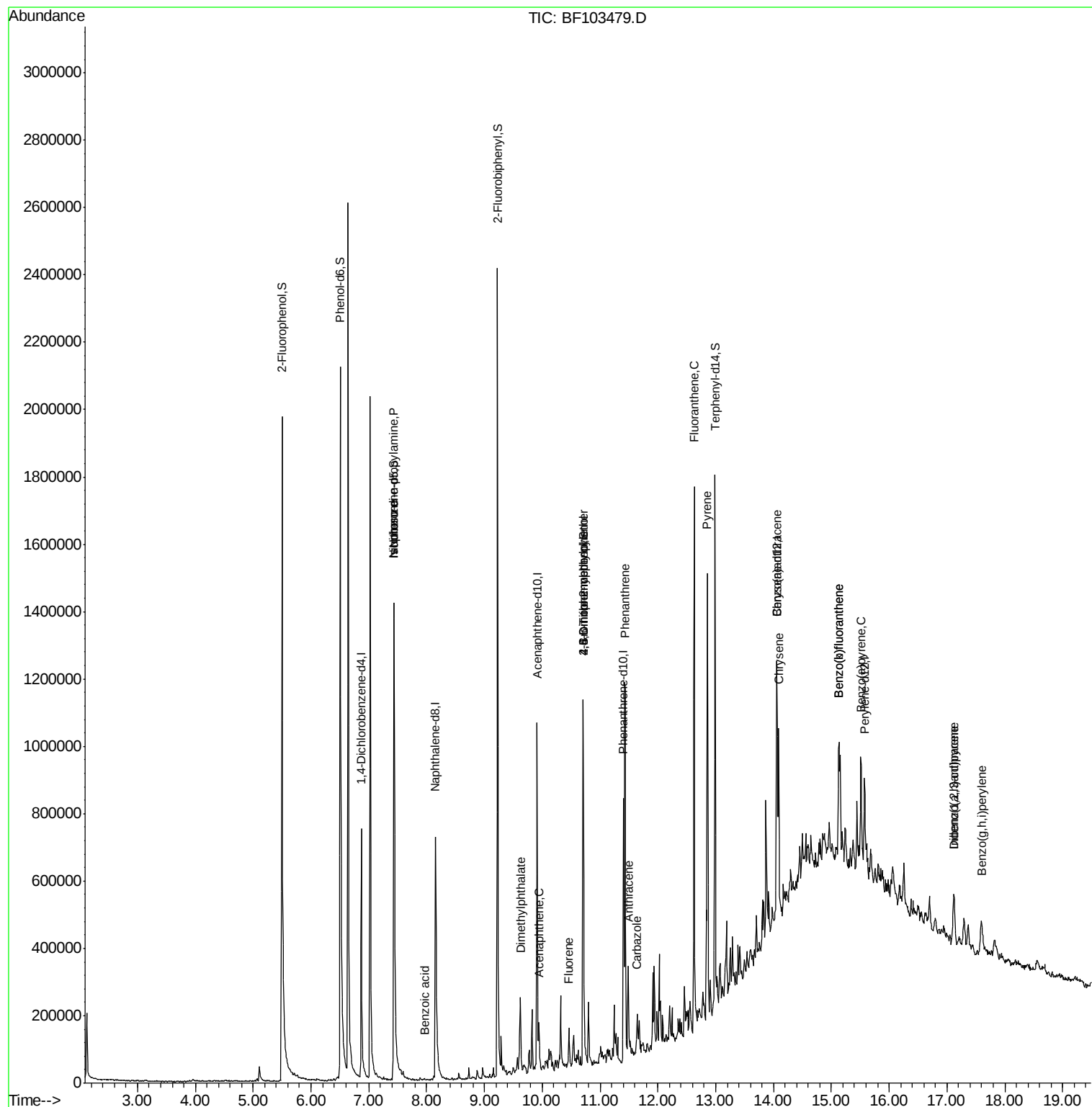
						Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	93725	14.380	ng	# 83
25) Isophorone	7.43	82	698150	38.503	ng	# 64
32) Benzoic acid	7.98	122	141	6.936	ng	# 34
49) Dimethylphthalate	9.62	163	93200	5.635	ng	99
51) Acenaphthene	9.95	154	27323	2.228	ng	92
57) Fluorene	10.46	166	36652	2.556	ng	# 96
64) 4,6-Dinitro-2-methylphenol	10.70	198	136	5.012	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	9265	2.968	ng	# 1
70) Phenanthrene	11.43	178	447819	27.152	ng	99
71) Anthracene	11.49	178	129440	7.653	ng	100
72) Carbazole	11.65	167	48767	2.896	ng	# 94
74) Fluoranthene	12.63	202	637856	38.486	ng	98
77) Pvrene	12.86	202	584795	40.509	ng	100
80) Benzo(a)anthracene	14.05	228	258800	21.542	ng	98
82) Chrysene	14.09	228	243994	20.916	ng	98
85) Indeno(1,2,3-cd)pyrene	17.12	276	93472	10.121	ng	96
87) Benzo(b)fluoranthene	15.13	252	312988	33.250	ng	# 93
88) Benzo(k)fluoranthene	15.13	252	312988	35.310	ng	# 96
89) Benzo(a)pvrene	15.51	252	164833	19.609	ng	# 90
90) Dibenzo(a,h)anthracene	17.12	278	24203	3.726	ng	# 75
91) Benzo(q,h,i)perylene	17.60	276	88281	13.907	ng	91

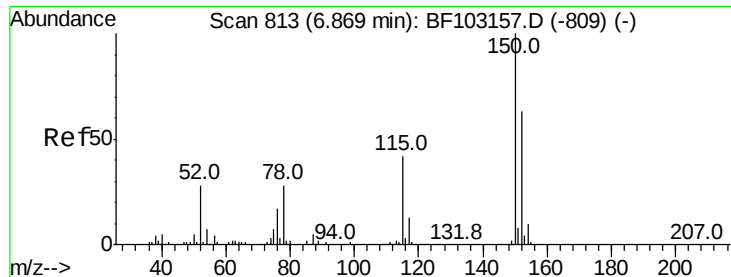
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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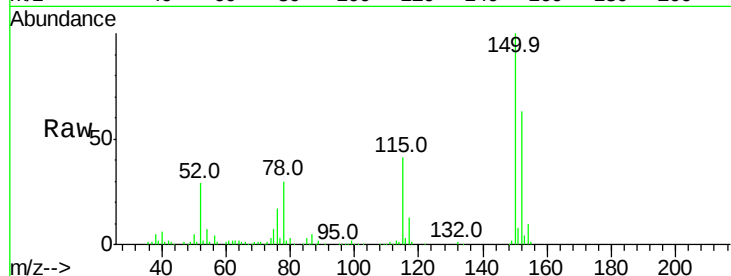


#1

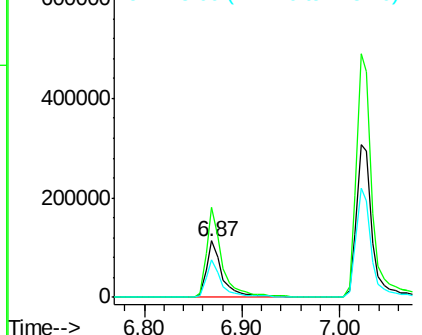
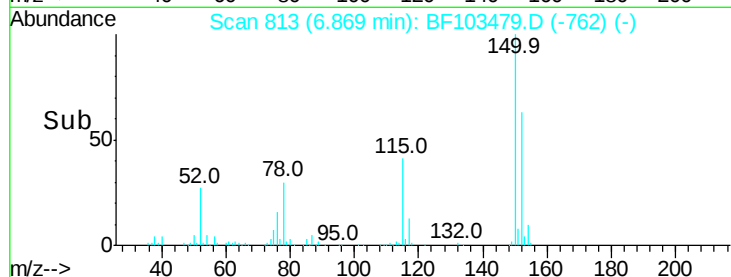
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	124.6	186.8
115	66.2	50.1	75.1



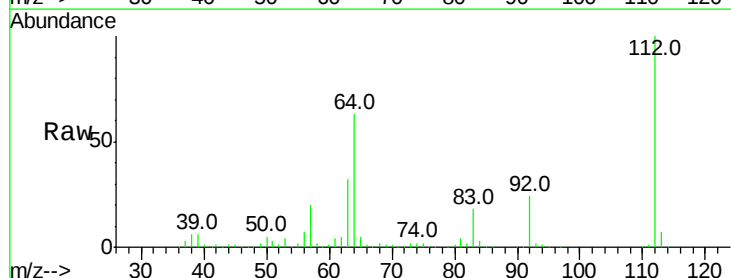
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



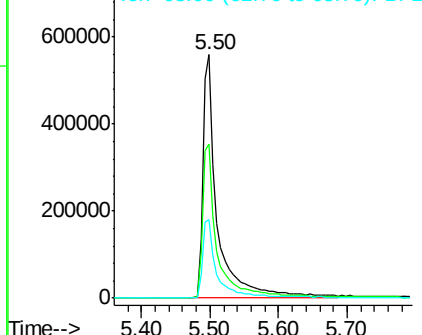
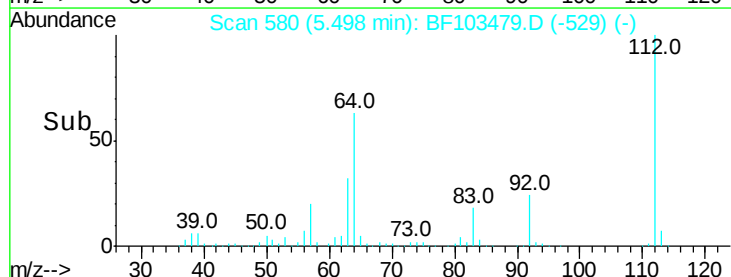
#5

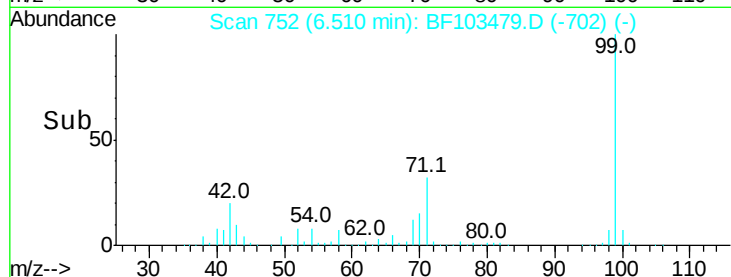
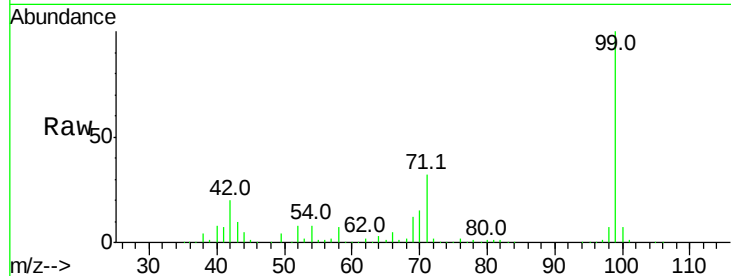
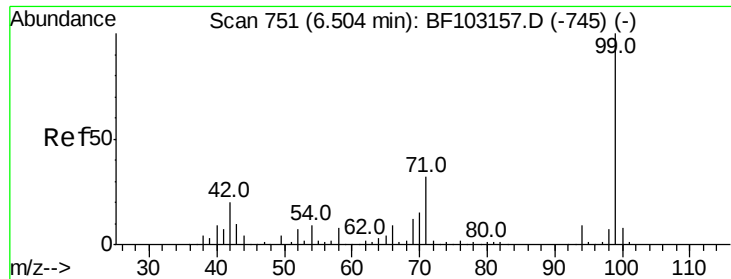
2-Fluorophenol
Concen: 99.077 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	47.9	71.9
63	32.1	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: 102.309 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103479.D

Acq: 7 Mar 2018 1:54

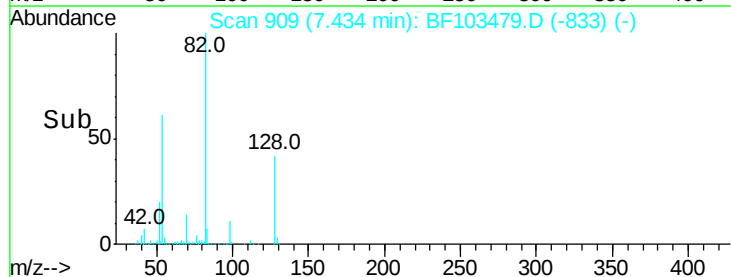
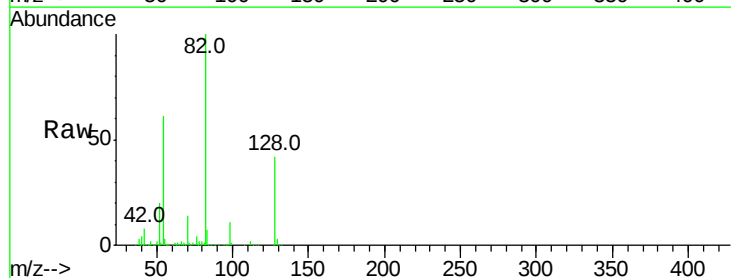
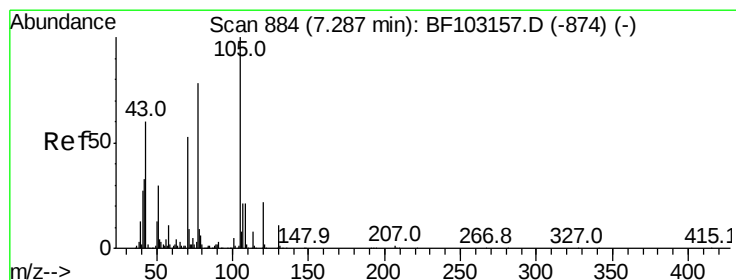
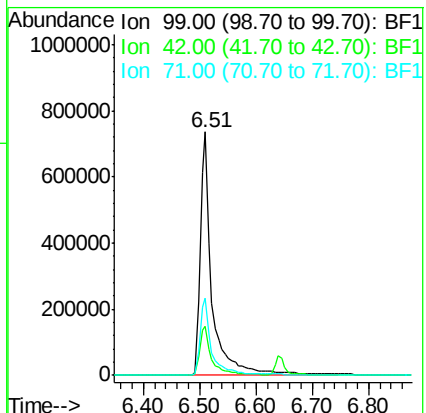
Tot Ion: 99 Resp: 1071446

Ion Ratio Lower Upper

99 100

42 20.4 14.5 21.7

71 31.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.380 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF103479.D

Acq: 7 Mar 2018 1:54

Tgt Ion: 70 Resp: 93725

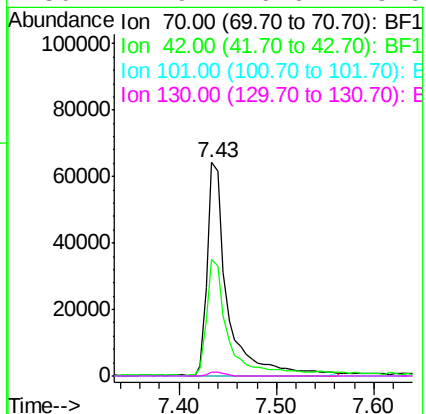
Ion Ratio Lower Upper

70 100

42 54.4 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

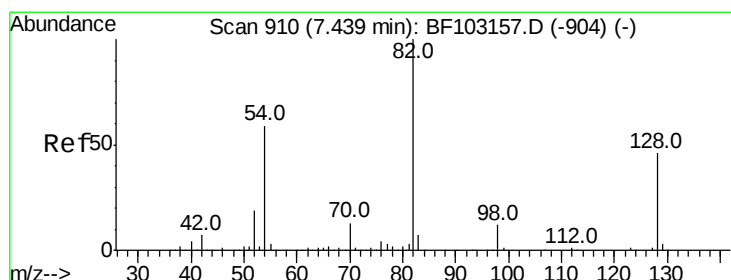
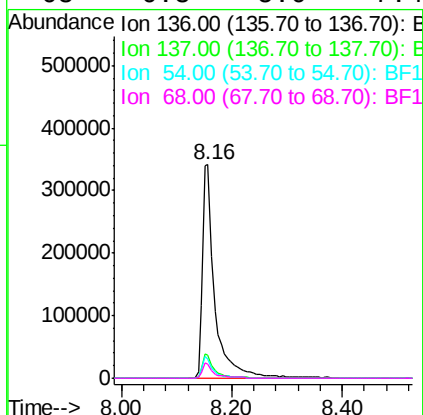
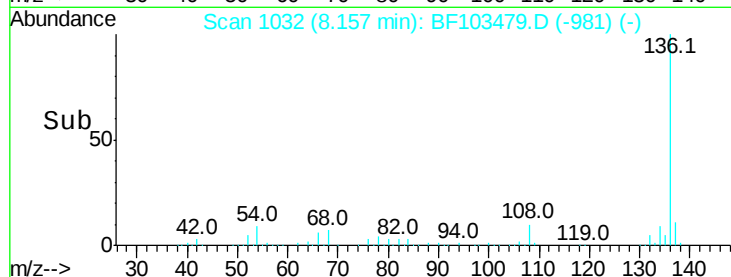
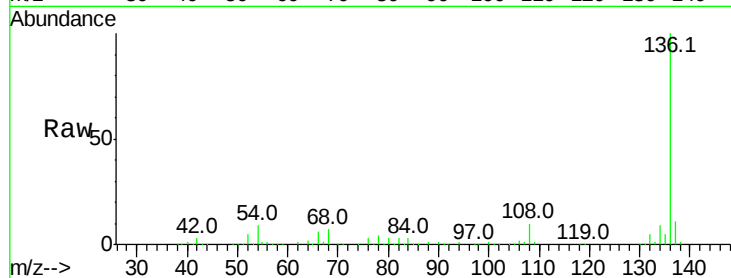




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

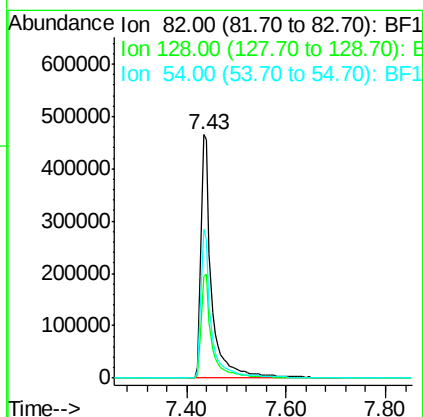
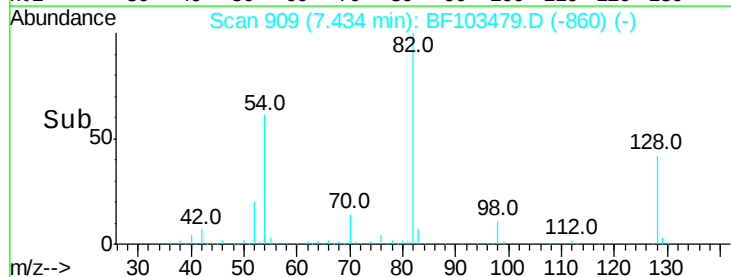
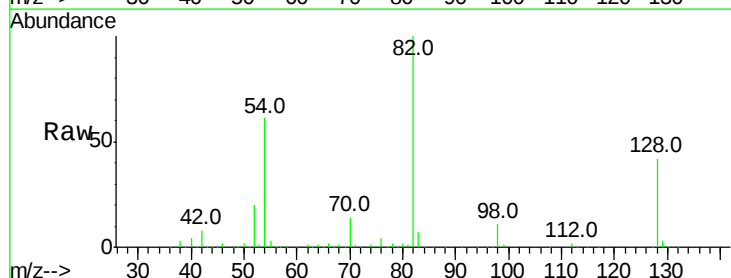
Instrument :
BNA_F
ClientSampleId :

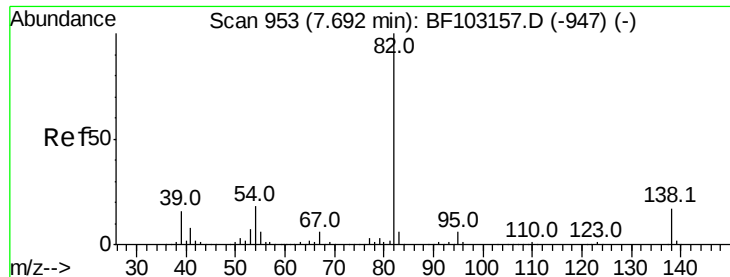
Tot Ion:	136	Resp:	525769
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.8	6.6	9.8
68	6.8	5.0	7.4



#23
Nitrobenzene-d5
Concen: 75.828 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Tgt Ion:	82	Resp:	698114
Ion	Ratio	Lower	Upper
82	100		
128	41.8	36.1	54.1
54	61.3	41.4	62.2





#25

Isophorone

Concen: 38.503 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF103479.D

Acq: 7 Mar 2018 1:54

Instrument :

BNA_F

ClientSampleId :

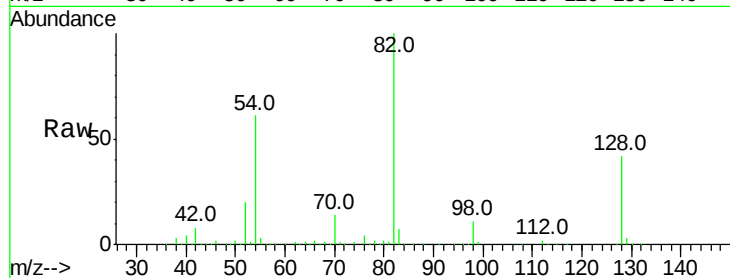
Tot Ion: 82 Resp: 698150

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

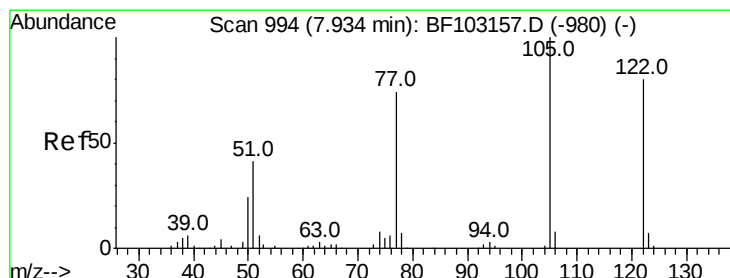
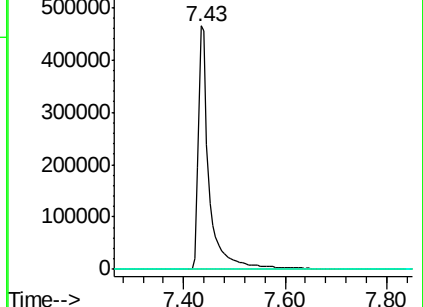
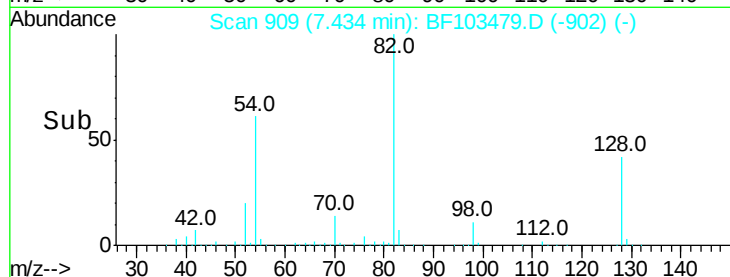
138 0.0 14.9 22.3#



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: 6.936 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.02 min

Lab File: BF103479.D

Acq: 7 Mar 2018 1:54

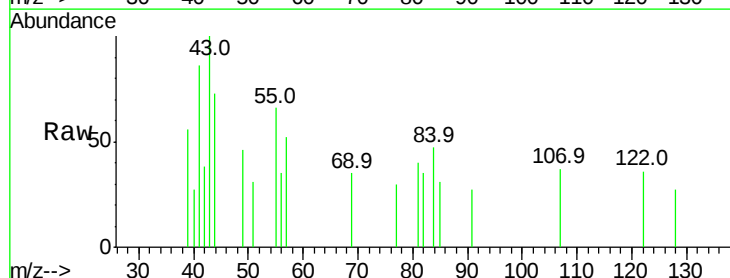
Tgt Ion: 122 Resp: 141

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

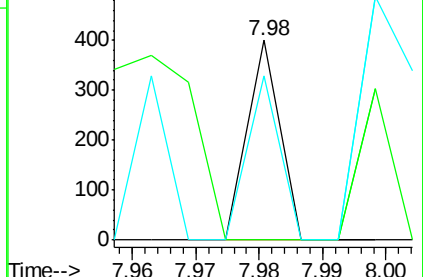
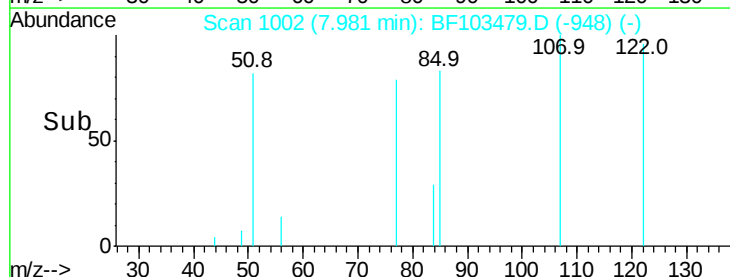
77 82.0 70.7 110.7

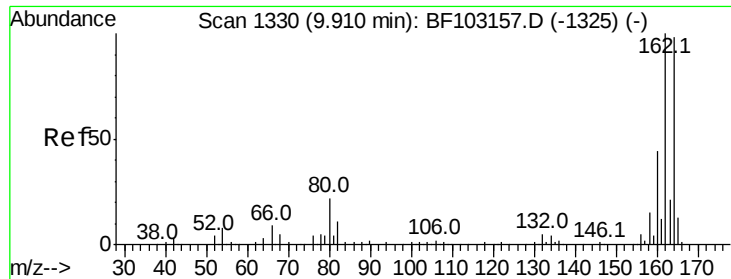


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

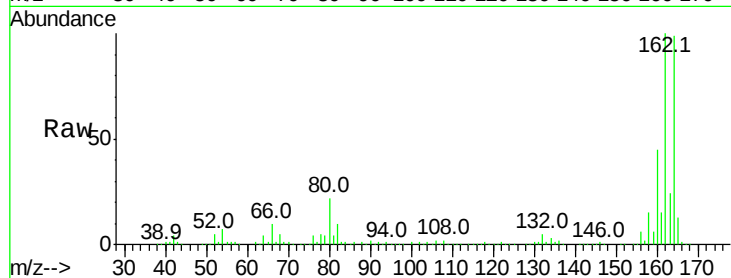




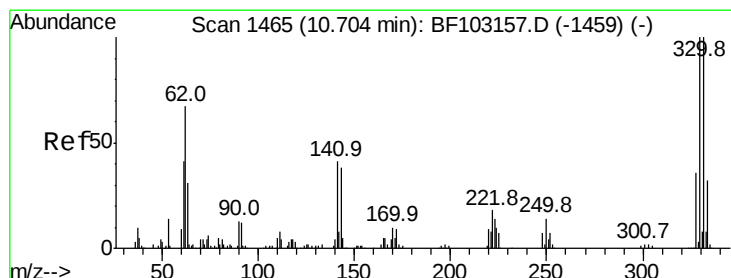
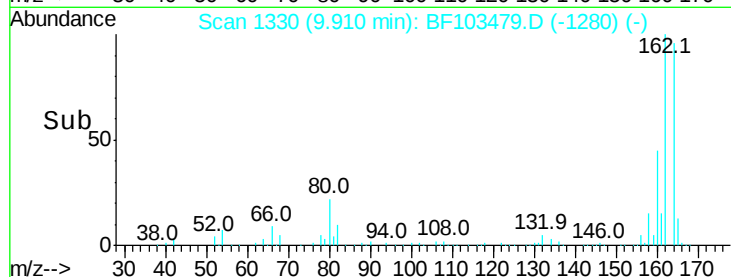
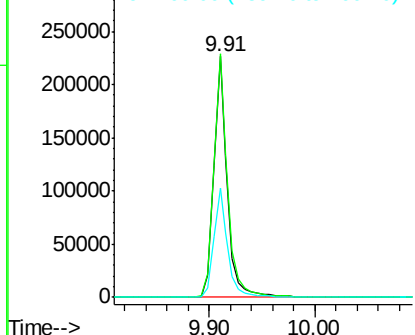
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 206180
Ion Ratio Lower Upper
164 100
162 101.2 86.1 129.1
160 45.5 38.3 57.5

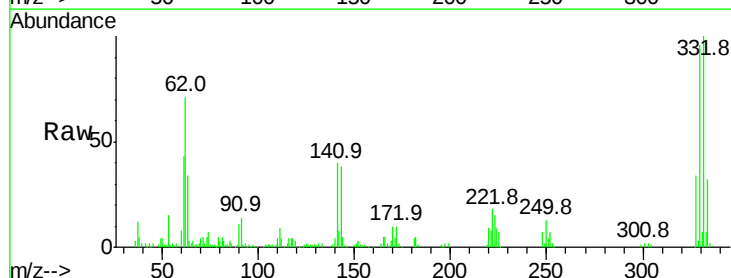


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

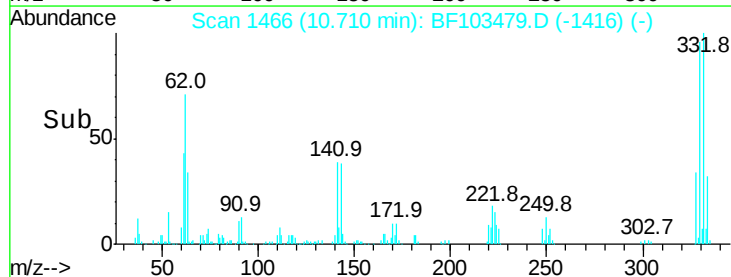
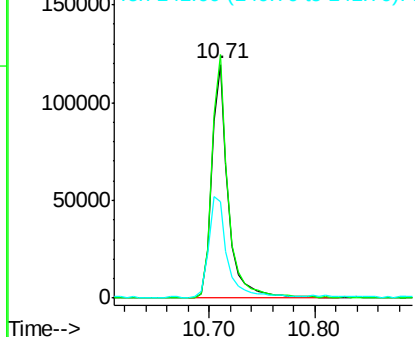


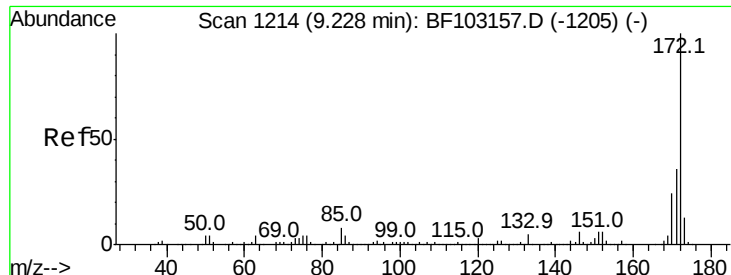
#41
2,4,6-Tribromophenol
Concen: 75.309 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Tgt Ion:330 Resp: 131430
Ion Ratio Lower Upper
330 100
332 103.7 77.0 115.6
141 47.9 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

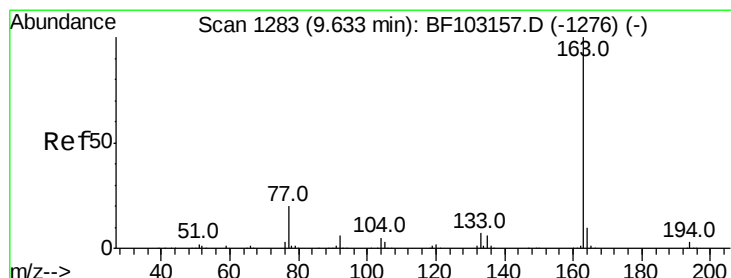
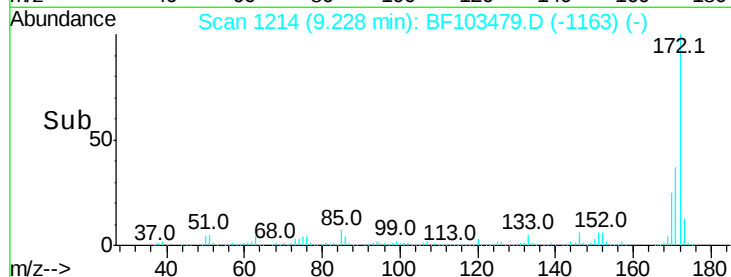
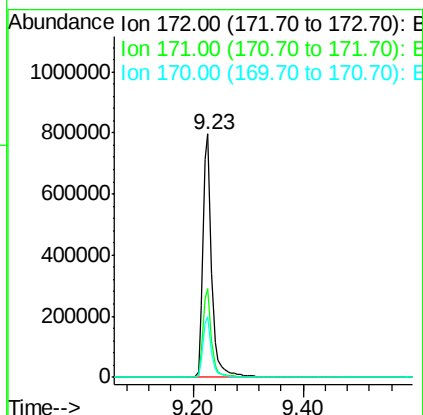
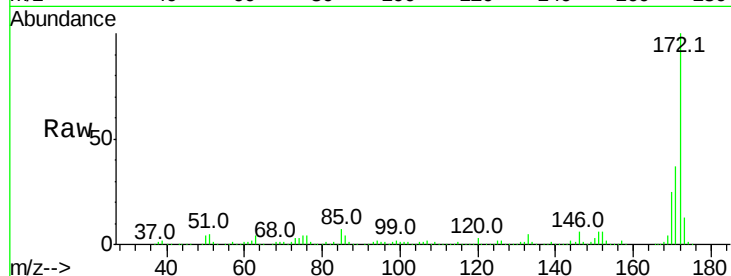




#44
2-Fluorobiphenyl
Concen: 69.668 ng
RT: 9.23 min Scan# 1214
Delta R.T. 0.00 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

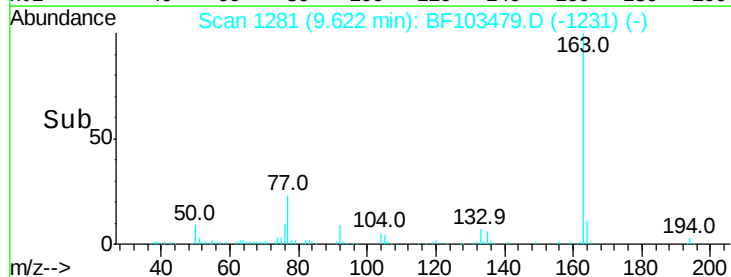
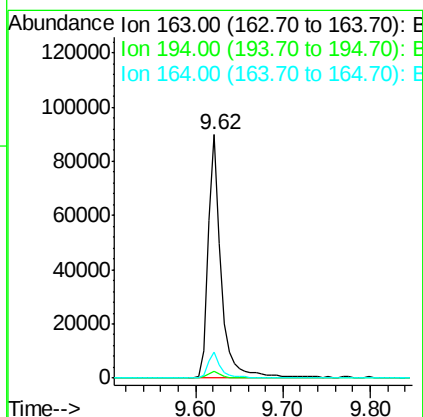
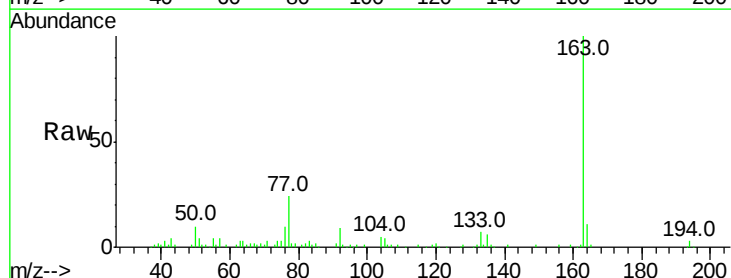
Instrument :
BNA_F
ClientSampleId :

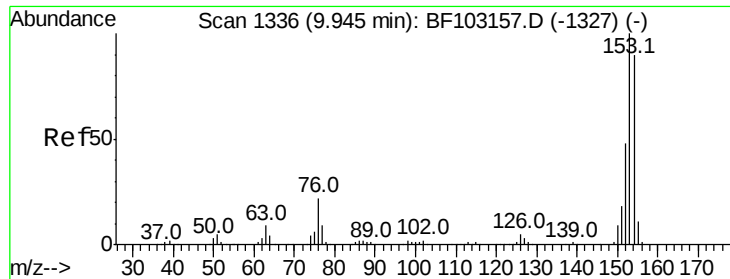
Tot Ion:172 Resp: 870868
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.7 19.6 29.4



#49
Dimethylphthalate
Concen: 5.635 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Tgt Ion:163 Resp: 93200
Ion Ratio Lower Upper
163 100
194 3.0 2.7 4.1
164 10.7 8.2 12.2





#51

Acenaphthene

Concen: 2.228 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF103479.D

Acq: 7 Mar 2018 1:54

Instrument :

BNA_F

ClientSampleId :

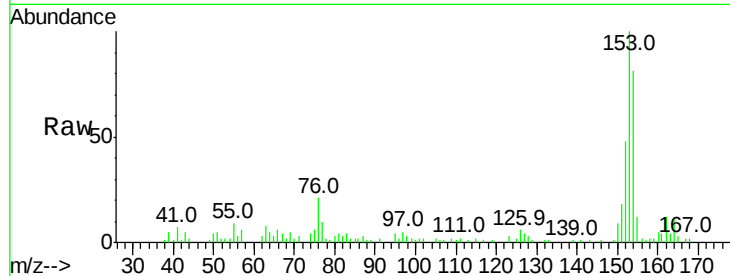
Tot Ion:154 Resp: 27323

Ion Ratio Lower Upper

154 100

153 123.3 91.2 136.8

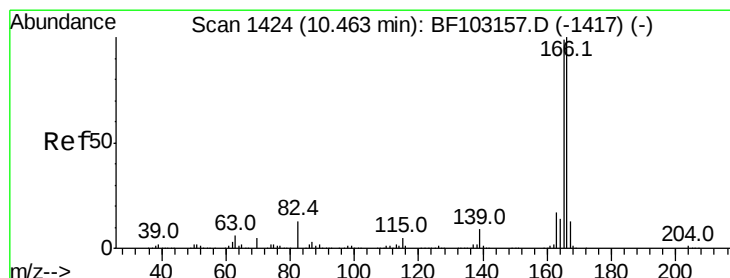
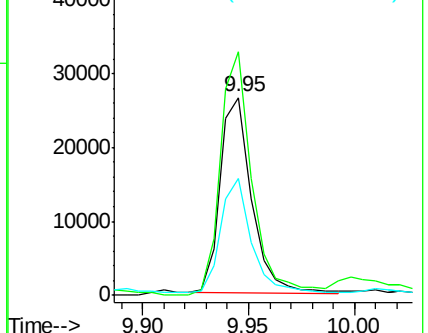
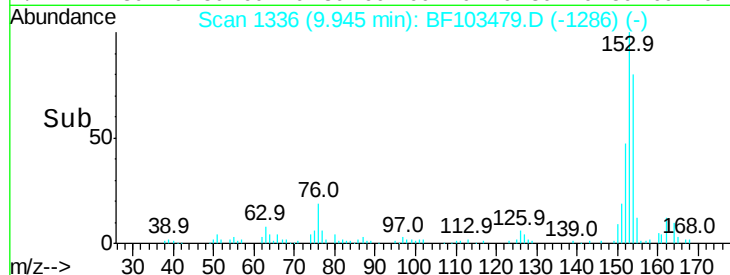
152 59.3 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.556 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF103479.D

Acq: 7 Mar 2018 1:54

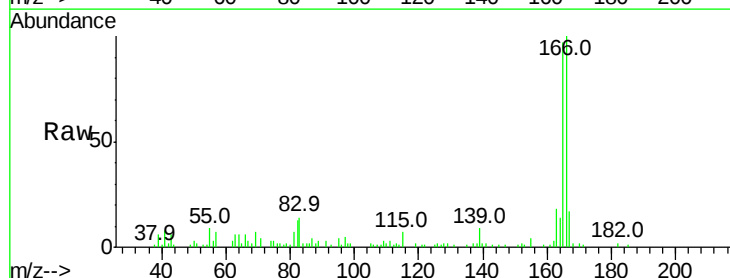
Tgt Ion:166 Resp: 36652

Ion Ratio Lower Upper

166 100

165 96.9 79.8 119.8

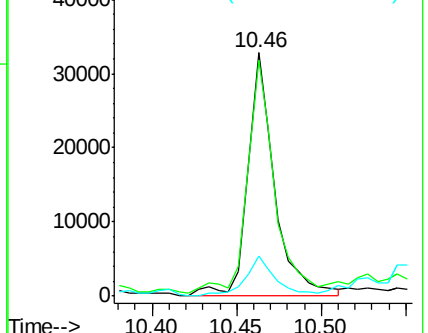
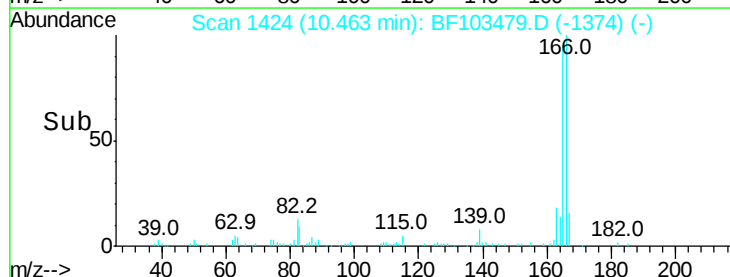
167 16.5 10.6 16.0#

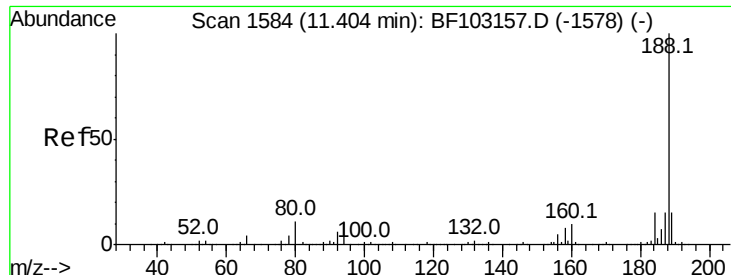


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

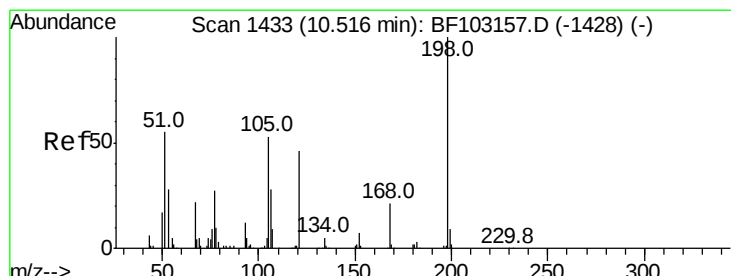
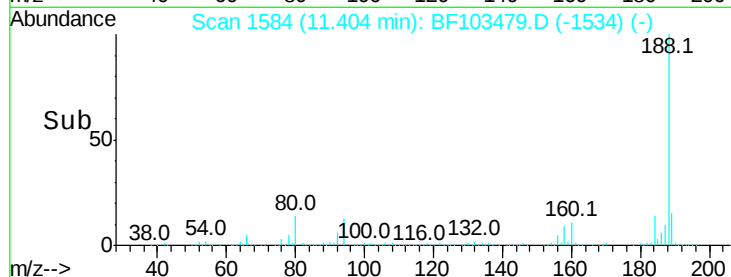
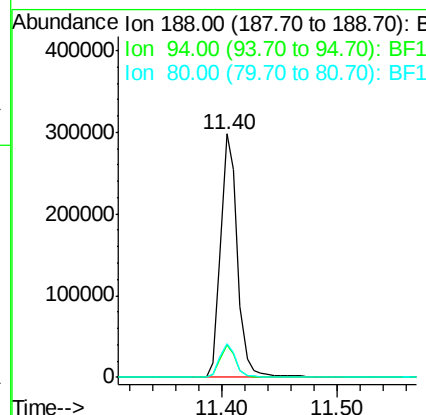
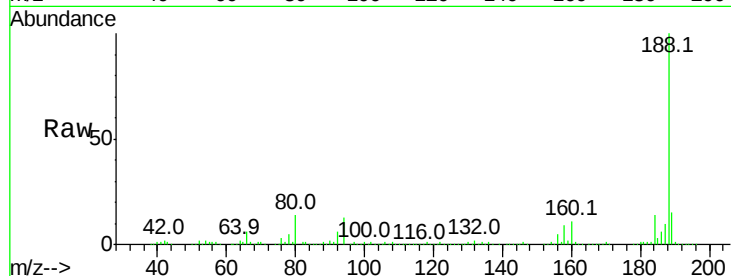




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

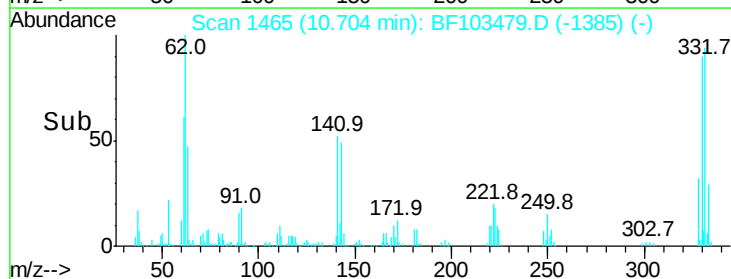
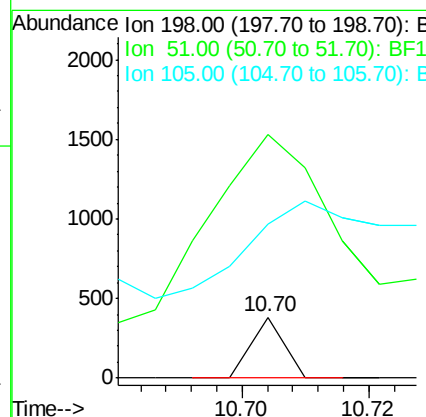
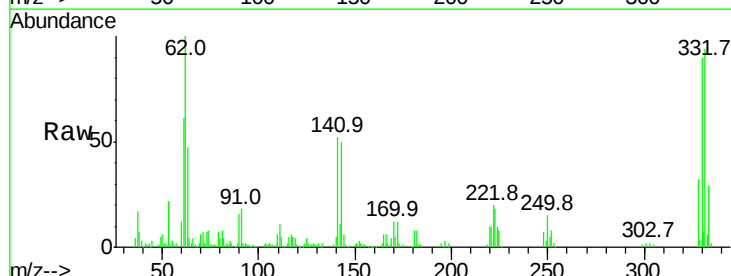
Instrument :
BNA_F
ClientSampleId :

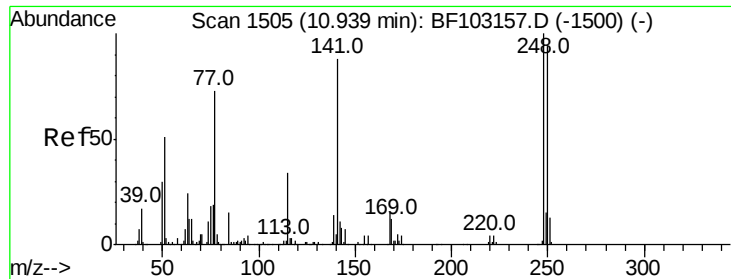
Tot Ion:188 Resp: 299695
Ion Ratio Lower Upper
188 100
94 13.1 8.5 12.7#
80 13.7 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.012 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.17 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Tgt Ion:198 Resp: 136
Ion Ratio Lower Upper
198 100
51 398.2 37.7 77.7#
105 252.9 36.3 76.3#

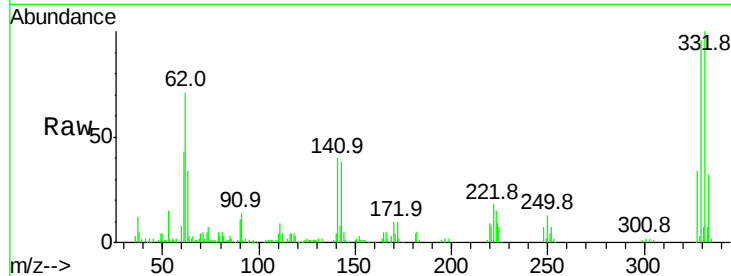




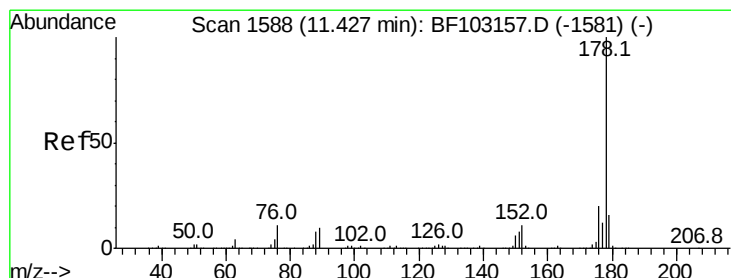
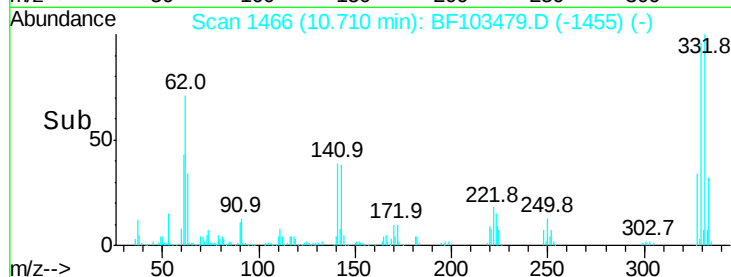
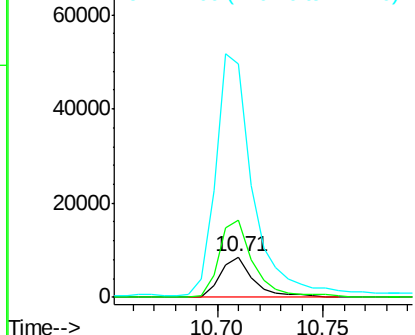
#66
 4-Bromophenyl-phenylether
 Concen: 2.968 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103479.D
 Acq: 7 Mar 2018 1:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9265
 Ion Ratio Lower Upper
 248 100
 250 192.6 76.9 115.3#
 141 578.4 74.4 111.6#

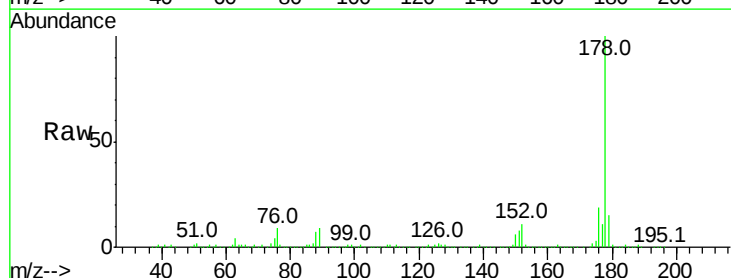


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

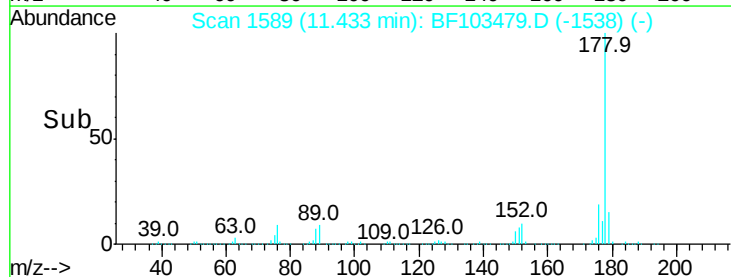
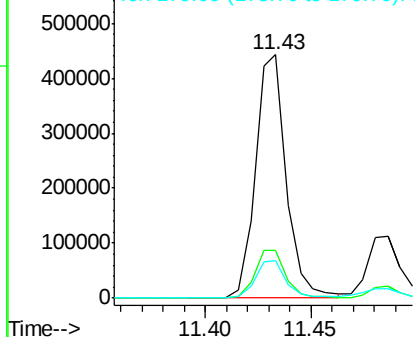


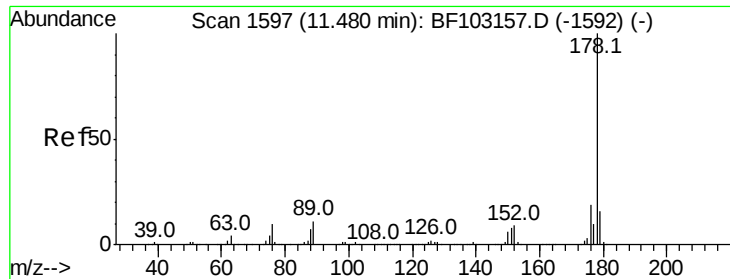
#70
 Phenanthrene
 Concen: 27.152 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF103479.D
 Acq: 7 Mar 2018 1:54

Tgt Ion:178 Resp: 447819
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 15.5 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

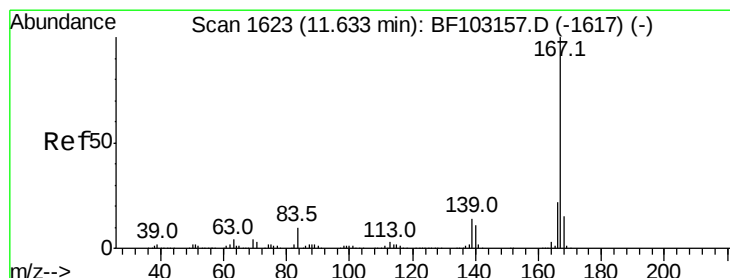
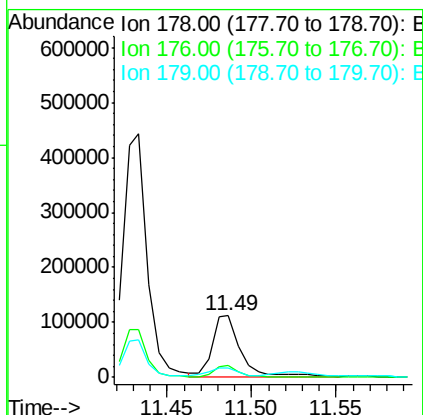
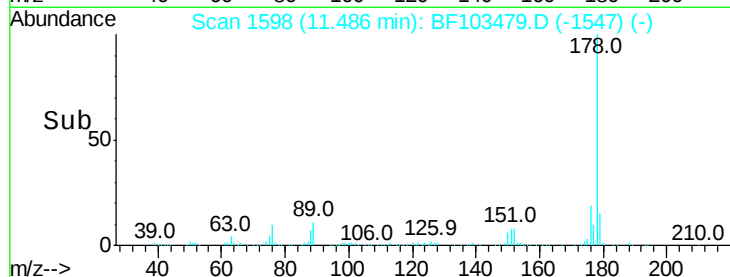
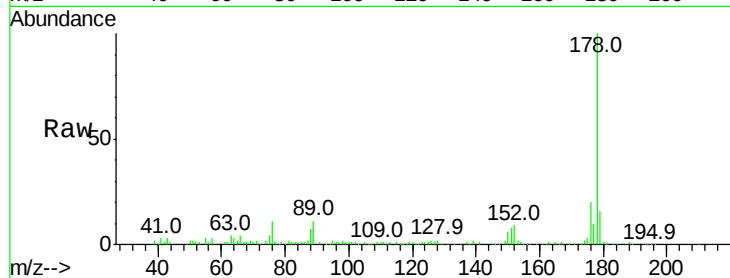




#71
 Anthracene
 Concen: 7.653 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: BF103479.D
 Acq: 7 Mar 2018 1:54

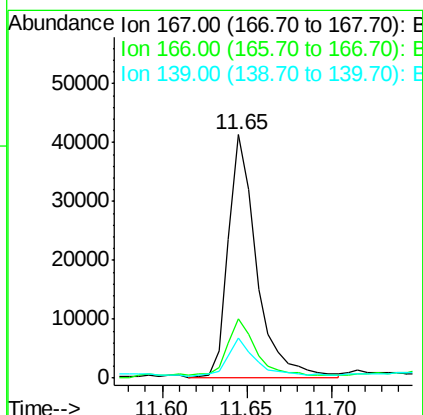
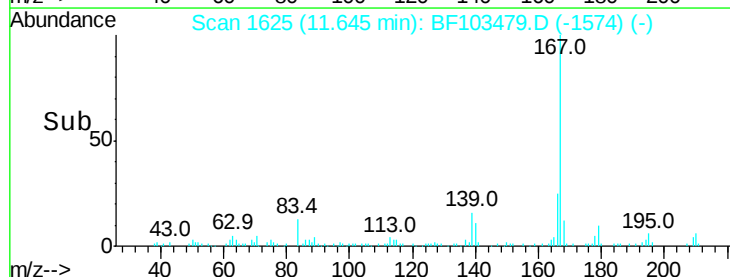
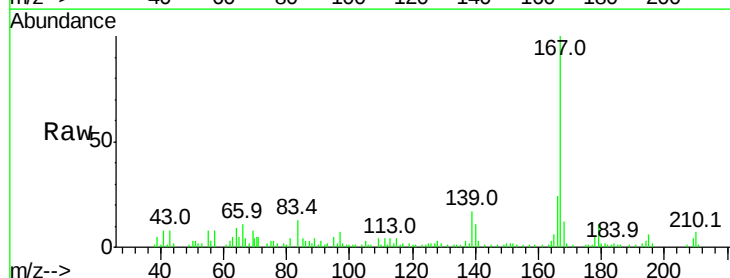
Instrument :
 BNA_F
 ClientSampleId :

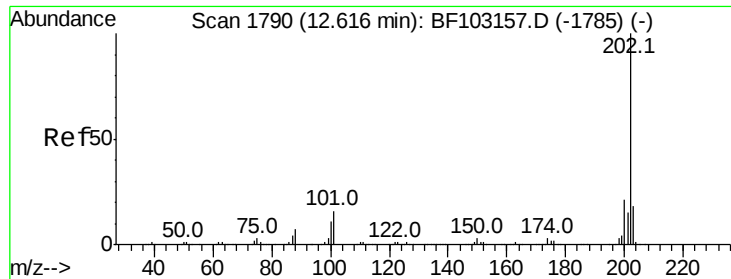
Tot Ion:178 Resp: 129440
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.2
 179 15.8 12.6 19.0



#72
 Carbazole
 Concen: 2.896 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BF103479.D
 Acq: 7 Mar 2018 1:54

Tgt Ion:167 Resp: 48767
 Ion Ratio Lower Upper
 167 100
 166 24.5 17.6 26.4
 139 16.7 10.9 16.3#





#74

Fluoranthene

Concen: 38.486 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103479.D

Acq: 7 Mar 2018 1:54

Instrument :

BNA_F

ClientSampleId :

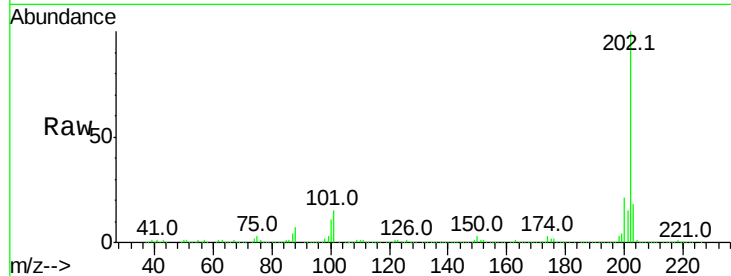
Tot Ion:202 Resp: 637856

Ion Ratio Lower Upper

202 100

101 14.9 0.0 34.1

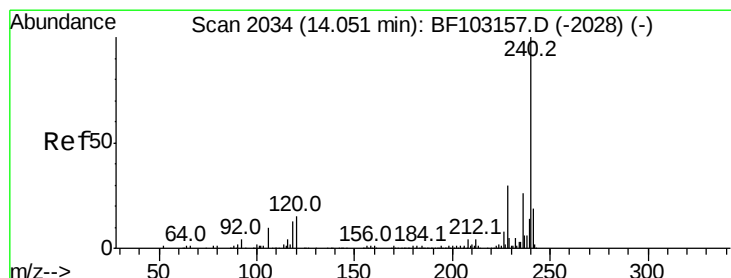
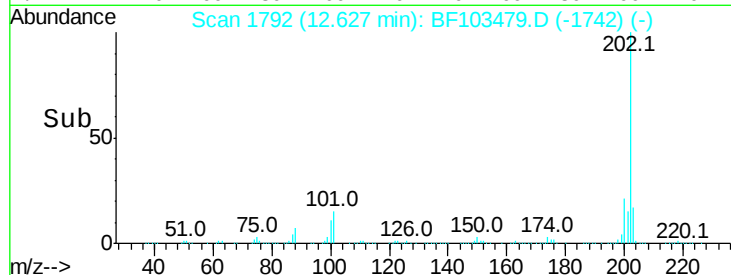
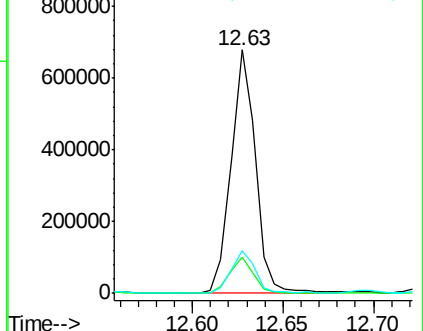
203 17.6 0.0 38.1



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# 2036

Delta R.T. -0.01 min

Lab File: BF103479.D

Acq: 7 Mar 2018 1:54

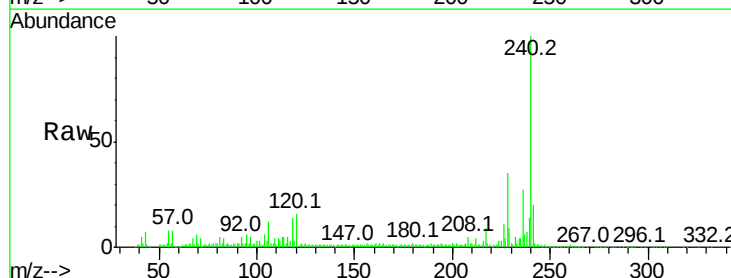
Tgt Ion:240 Resp: 185161

Ion Ratio Lower Upper

240 100

120 16.2 9.5 14.3#

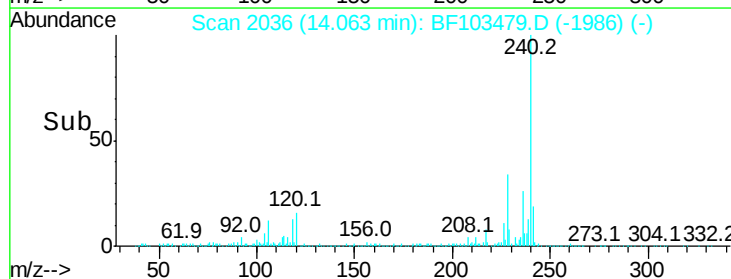
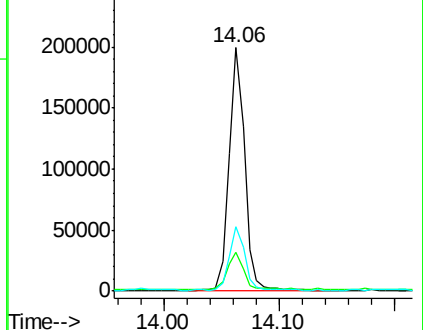
236 26.6 20.7 31.1

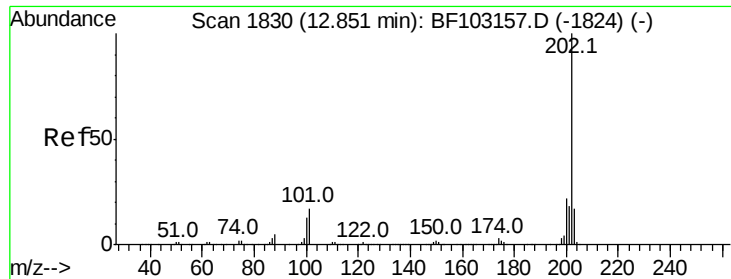


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

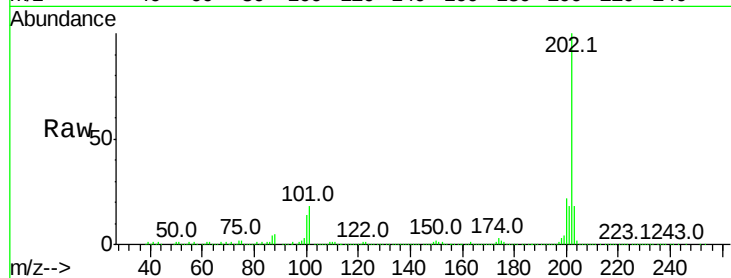




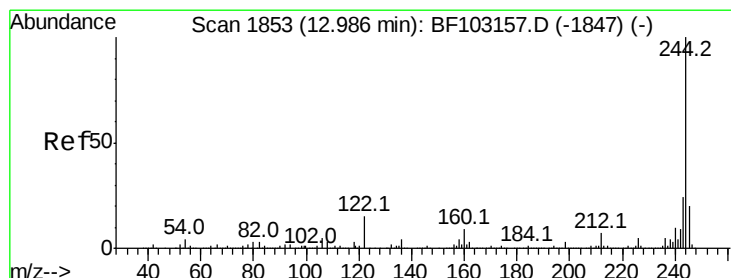
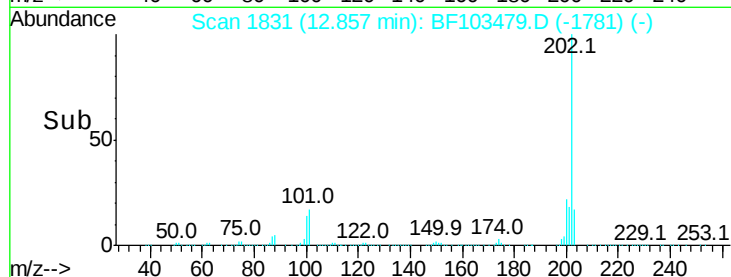
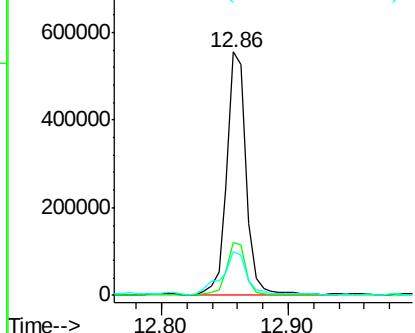
#77
Pvrene
Concen: 40.509 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 584795
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 18.0 14.3 21.5

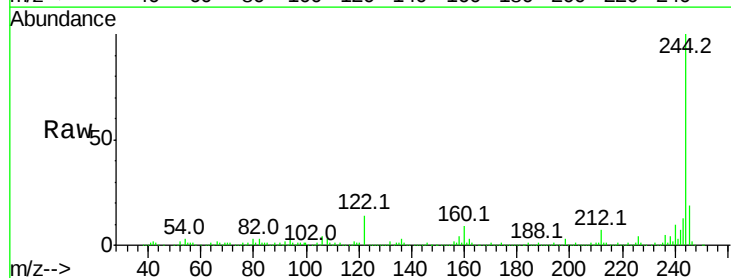


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

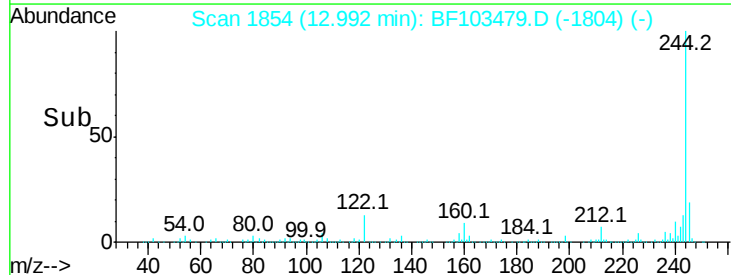
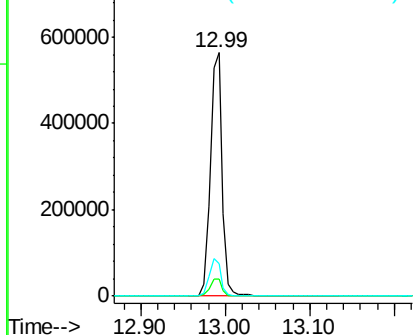


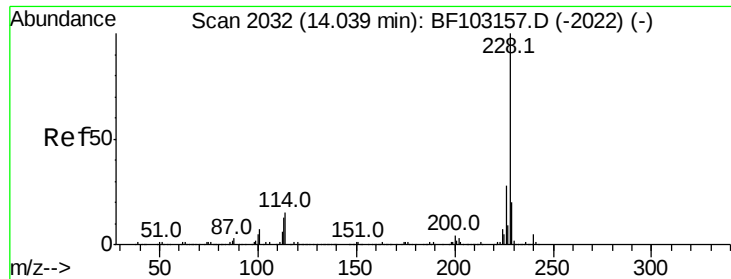
#78
Terphenyl-d14
Concen: 72.777 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Tgt Ion:244 Resp: 560573
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.0
122 13.6 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

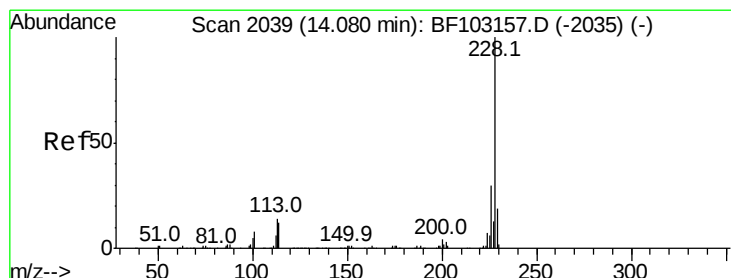
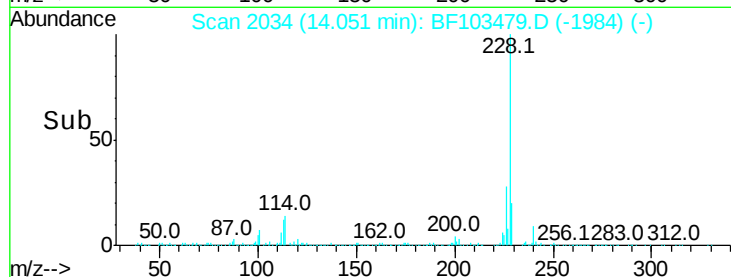
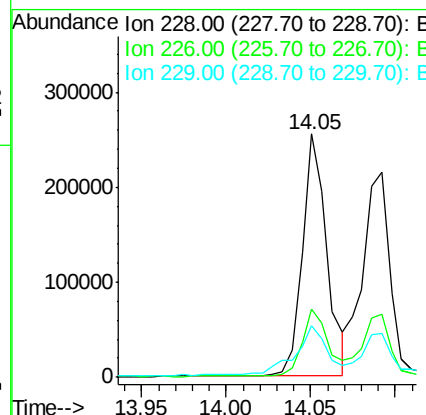
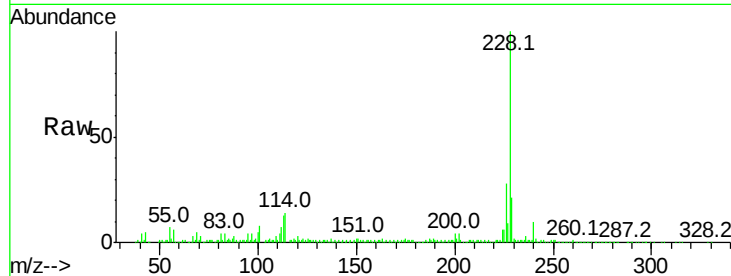




#80
Benzo(a)anthracene
Concen: 21.542 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

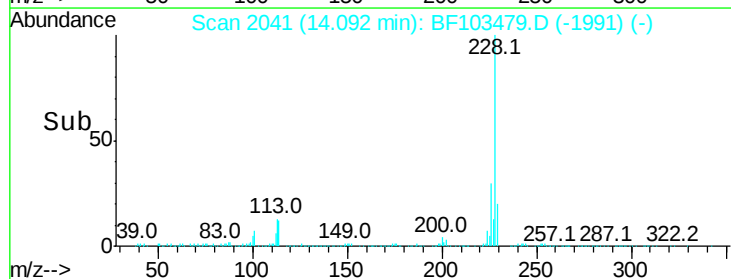
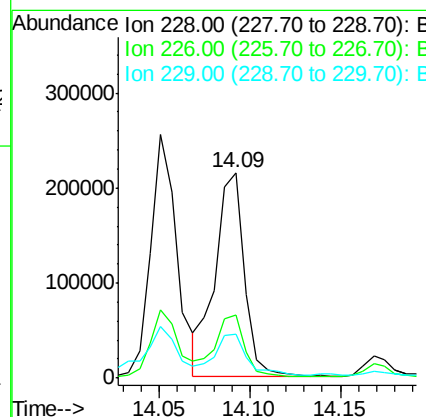
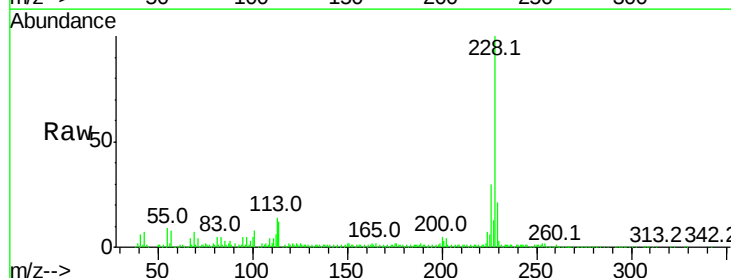
Instrument :
BNA_F
ClientSampleId :

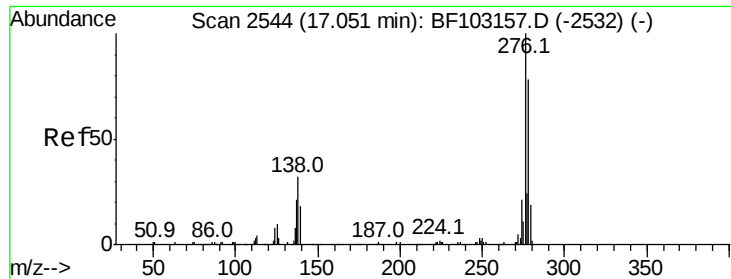
Tot Ion:228 Resp: 258800
Ion Ratio Lower Upper
228 100
226 28.3 22.6 33.8
229 21.4 15.8 23.6



#82
Chrysene
Concen: 20.916 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Tgt Ion:228 Resp: 243994
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 21.5 16.2 24.4

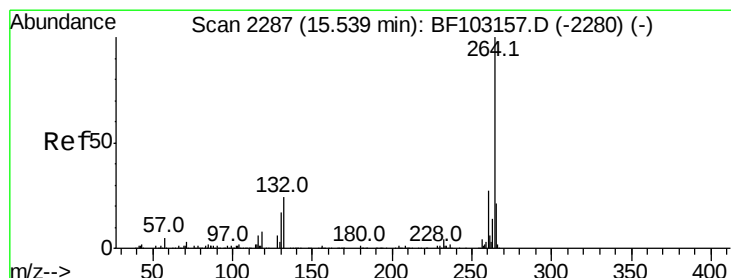
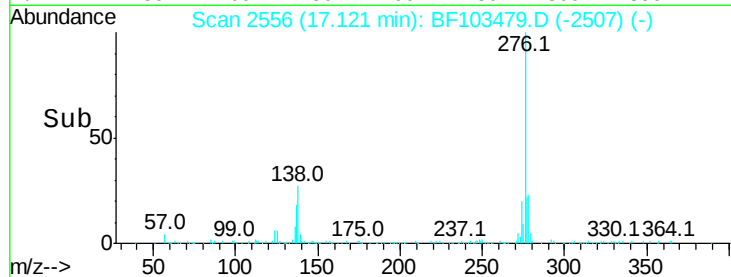
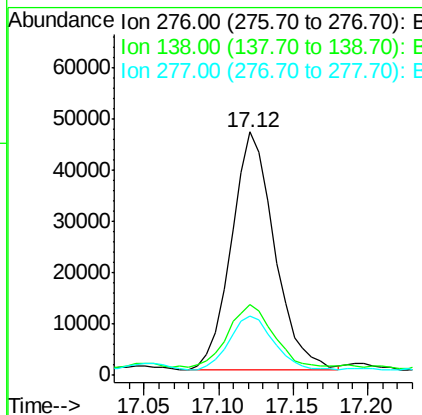
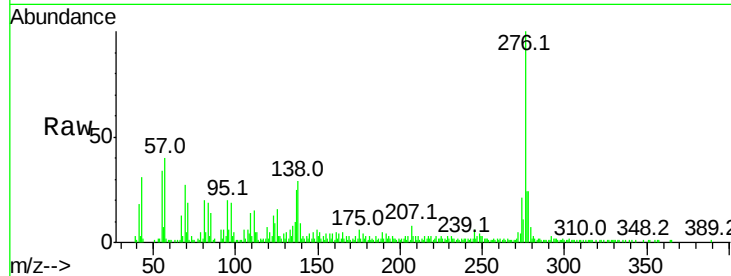




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.121 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. -0.01 min
 Lab File: BF103479.D
 Acq: 7 Mar 2018 1:54

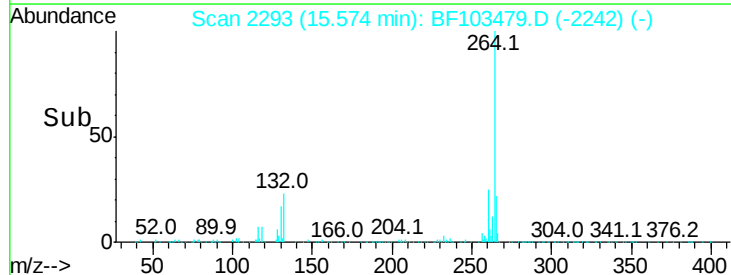
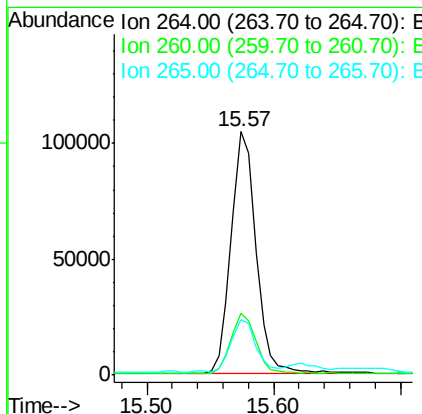
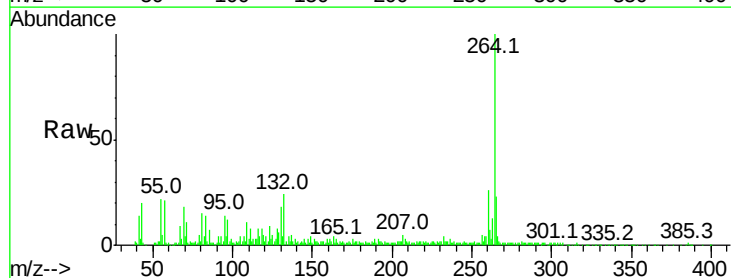
Instrument :
 BNA_F
 ClientSampleId :

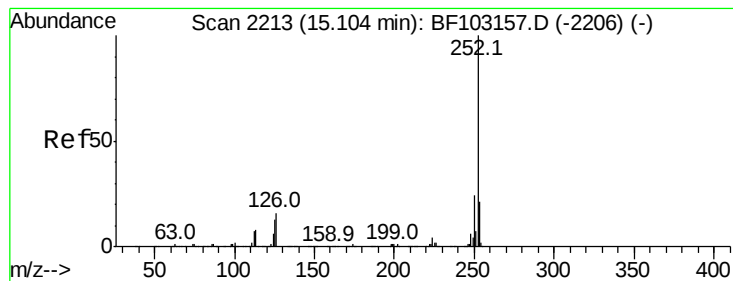
Tot Ion:276 Resp: 93472
 Ion Ratio Lower Upper
 276 100
 138 28.7 25.0 37.6
 277 22.9 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: BF103479.D
 Acq: 7 Mar 2018 1:54

Tgt Ion:264 Resp: 143166
 Ion Ratio Lower Upper
 264 100
 260 25.5 19.2 28.8
 265 22.9 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 33.250 ng

RT: 15.13 min Scan# 2218

Delta R.T. 0.00 min

Lab File: BF103479.D

Acq: 7 Mar 2018 1:54

Instrument :

BNA_F

ClientSampleId :

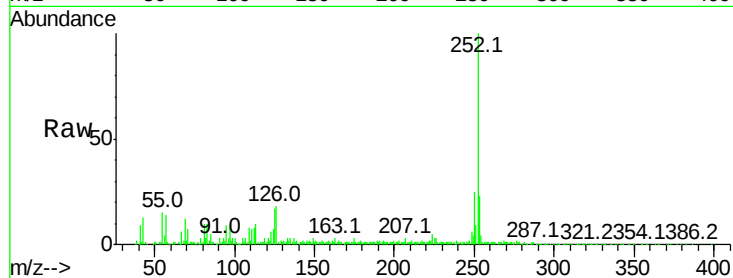
Tot Ion:252 Resp: 312988

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.6

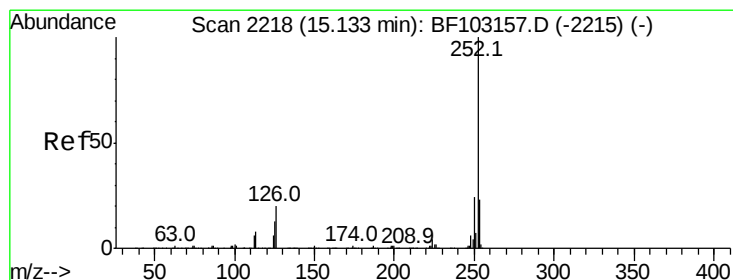
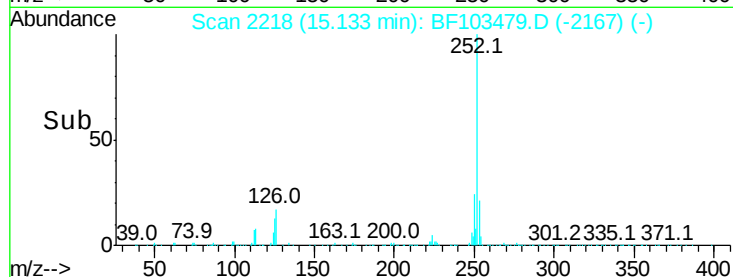
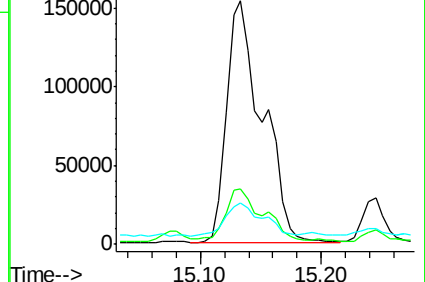
125 16.8 9.0 13.6#



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: 35.310 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.03 min

Lab File: BF103479.D

Acq: 7 Mar 2018 1:54

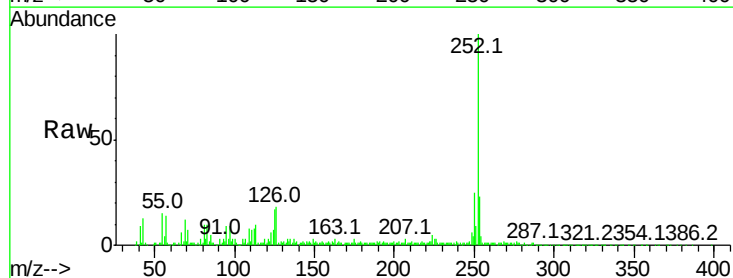
Tgt Ion:252 Resp: 312988

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

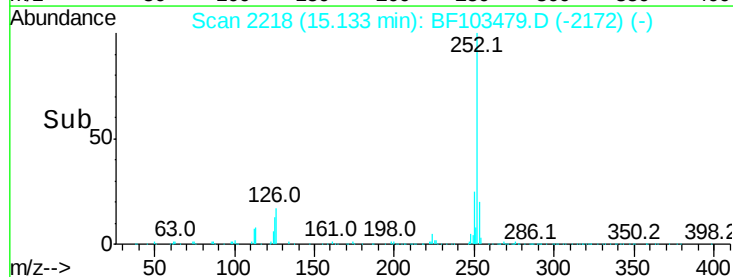
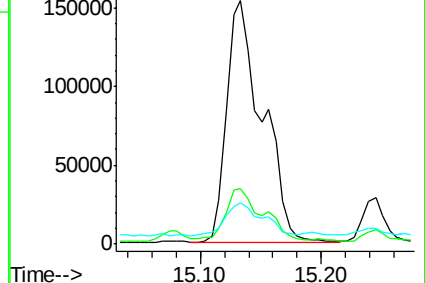
125 16.8 10.2 15.2#

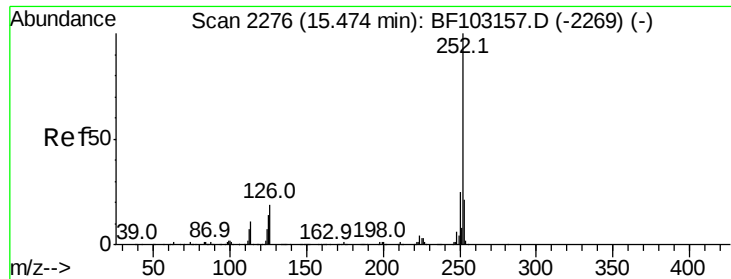


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

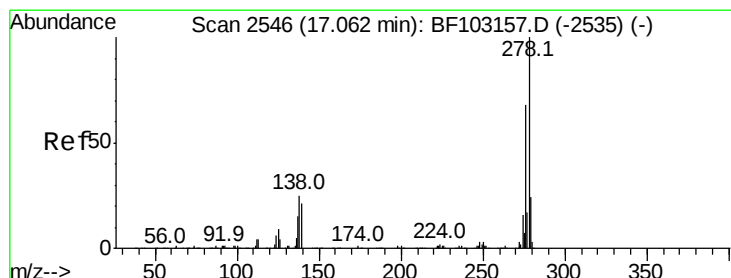
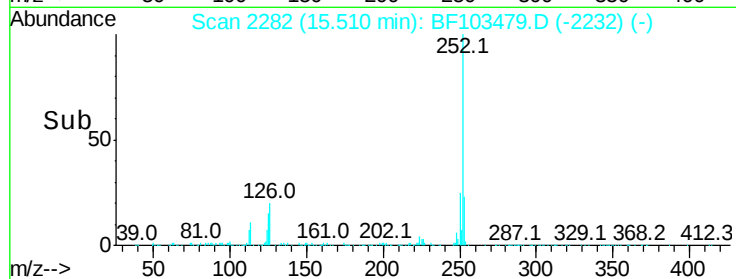
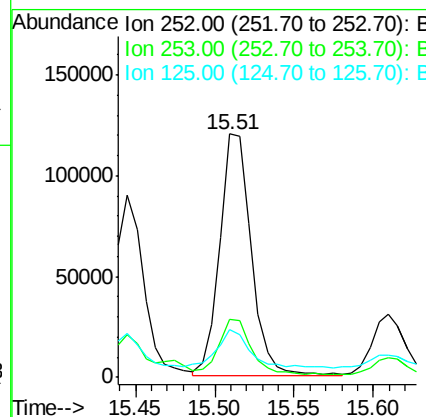
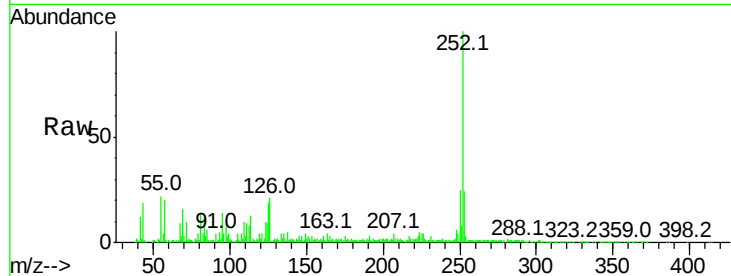




#89
Benzo(a)pyrene
Concen: 19.609 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

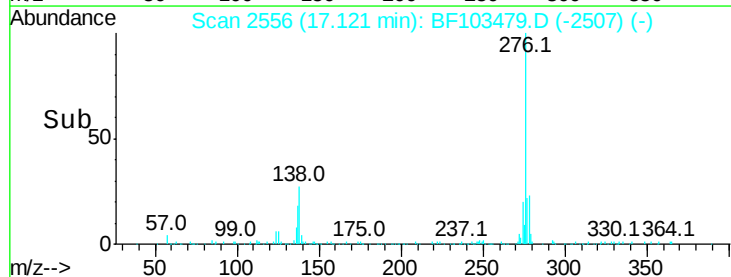
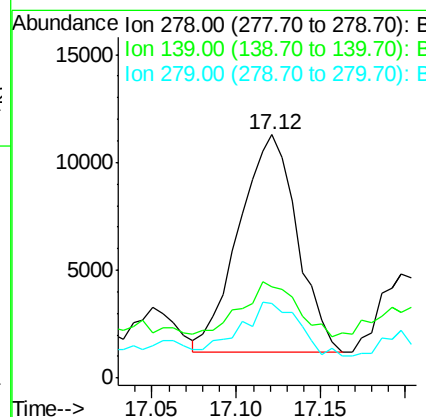
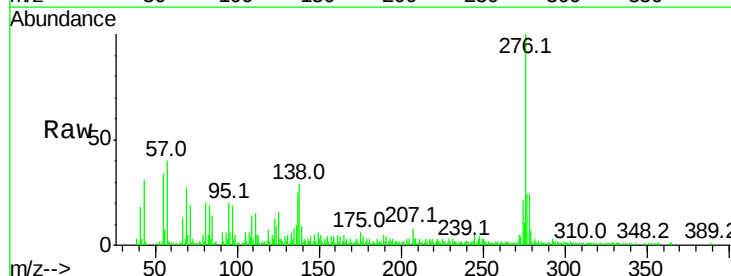
Instrument :
BNA_F
ClientSampleId :

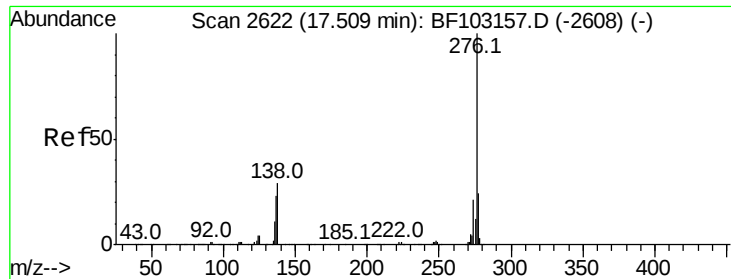
Tot Ion:252 Resp: 164833
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 19.4 9.8 14.6#



#90
Dibenzo(a,h)anthracene
Concen: 3.726 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Tgt Ion:278 Resp: 24203
Ion Ratio Lower Upper
278 100
139 37.8 15.9 23.9#
279 30.5 19.0 28.4#

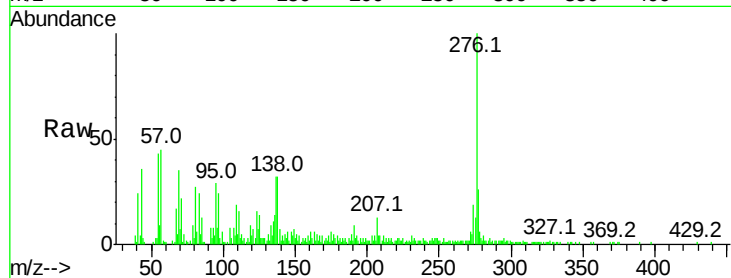




#91
 Benzo(a,h,i)perylene
 Concen: 13.907 ng
 RT: 17.60 min Scan# 2637
 Delta R.T. 0.00 min
 Lab File: BF103479.D
 Acq: 7 Mar 2018 1:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	26.3	17.9	26.9	
138	32.1	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

