

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103219.D
 Acq On : 26 Feb 2018 15:27
 Operator : SJ/JU
 Sample : J1660-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 26 16:11:27 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	162717	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	669656	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	280007	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	391815	20.00	ng	0.00
75) Chrysene-d12	14.04	240	282554	20.00	ng	0.00
86) Perylene-d12	15.53	264	294720	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1071762	99.62	ng	0.01
7) Phenol-d6	6.50	99	1249651	94.92	ng	0.00
23) Nitrobenzene-d5	7.43	82	823100	70.19	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	204452	86.26	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1156162	67.72	ng	0.00
78) Terphenyl-d14	12.98	244	701567	59.69	ng	0.00

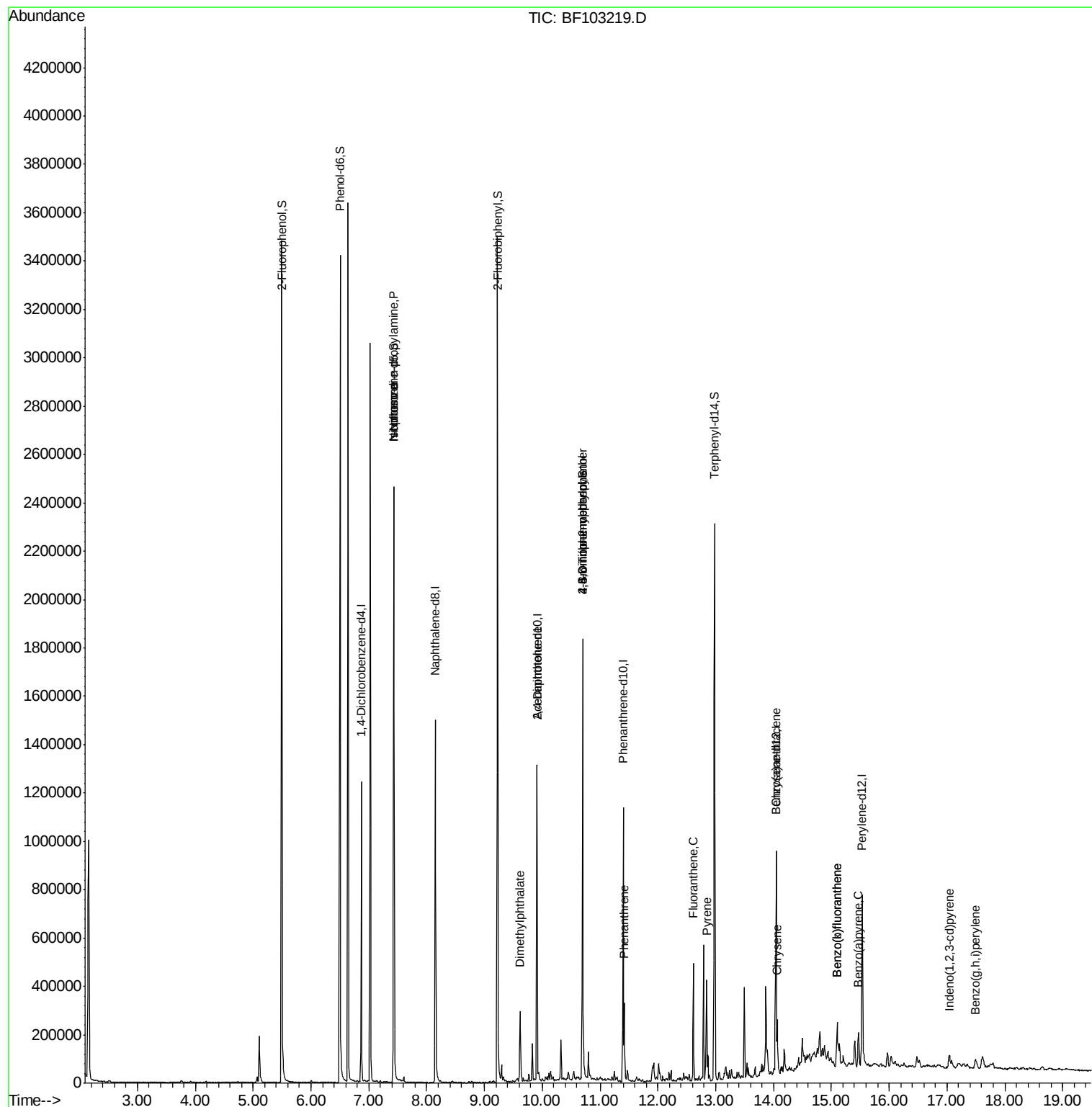
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	1891	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.43	70	108691	13.266	ng	# 79
25) Isophorone	7.43	82	823088	35.640	ng	# 64
49) Dimethylphthalate	9.62	163	111304	4.955	ng	# 99
56) 2,4-Dinitrotoluene	9.90	165	35435	5.944	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	289	5.054	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	13266	3.250	ng	# 1
70) Phenanthrene	11.42	178	108738	5.043	ng	# 98
74) Fluoranthene	12.61	202	182534	8.424	ng	# 98
77) Pyrene	12.84	202	158149	7.179	ng	# 99
80) Benzo(a)anthracene	14.03	228	69700	3.802	ng	# 99
82) Chrysene	14.07	228	77163	4.335	ng	# 99
85) Indeno(1,2,3-cd)pyrene	17.04	276	36588	2.596	ng	# 99
87) Benzo(b)fluoranthene	15.10	252	131740	6.799	ng	# 93
88) Benzo(k)fluoranthene	15.10	252	131740	7.220	ng	# 96
89) Benzo(a)pyrene	15.47	252	62912	3.636	ng	# 95
91) Benzo(a,h,i)perylene	17.50	276	32451	2.483	ng	# 92

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

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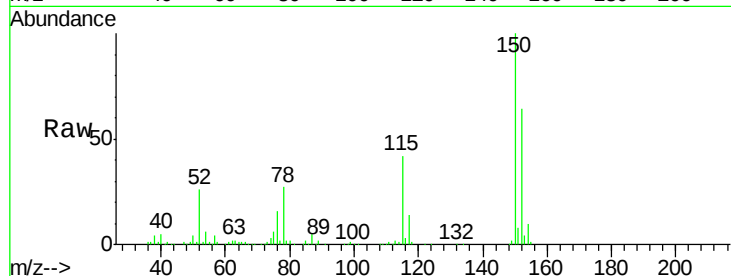


#1

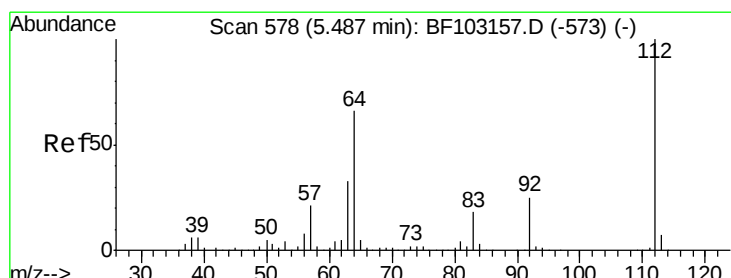
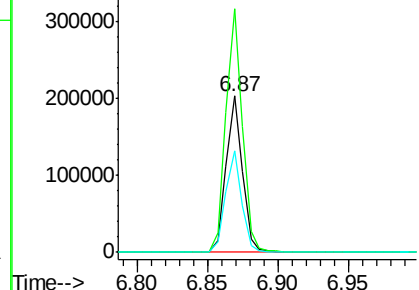
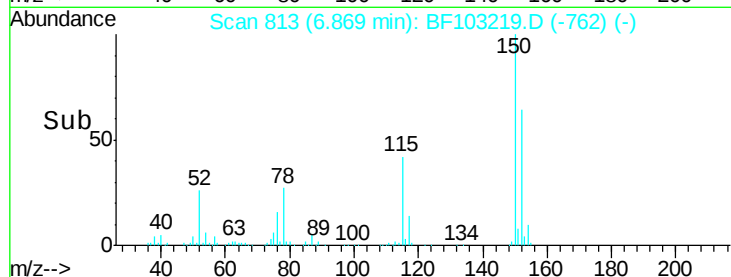
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103219.D
Acq: 26 Feb 2018 15:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	152	Resp	162717
Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	64.9	50.1	75.1



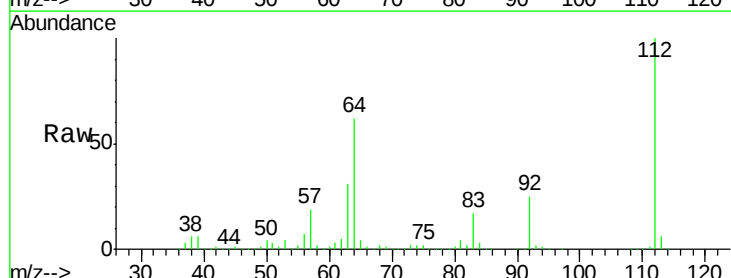
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



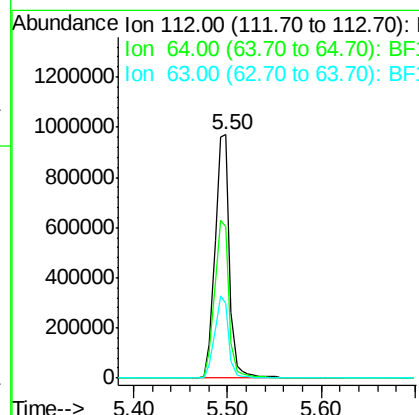
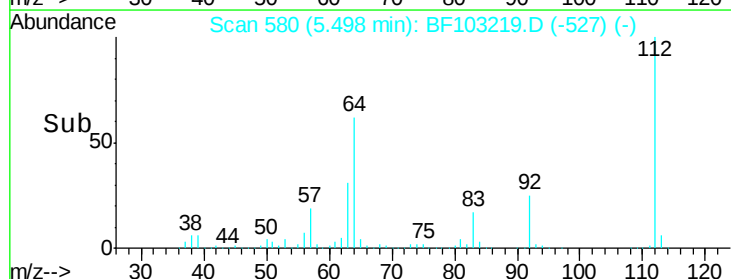
#5

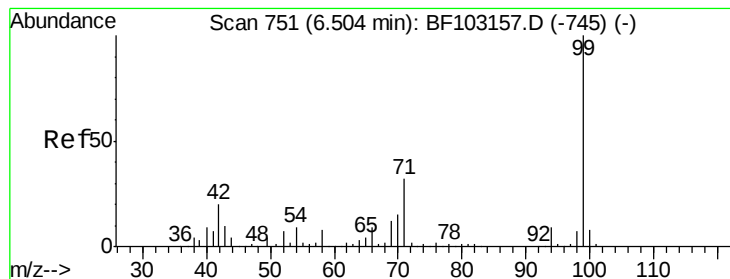
2-Fluorophenol
Concen: 99.619 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103219.D
Acq: 26 Feb 2018 15:27

Tgt Ion	112	Resp	1071762
Ion	Ratio	Lower	Upper
112	100		
64	62.0	47.9	71.9
63	30.7	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: 94.923 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF103219.D

Acq: 26 Feb 2018 15:27

Instrument :

BNA_F

ClientSampleId :

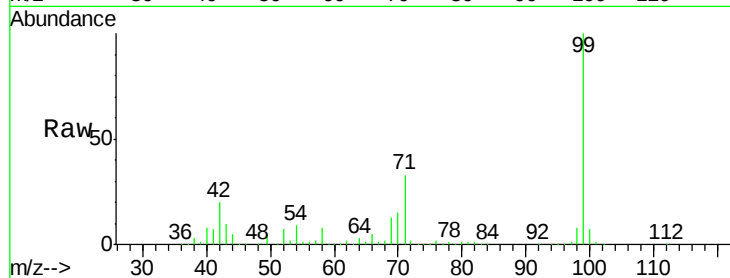
Tot Ion: 99 Resp: 1249651

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

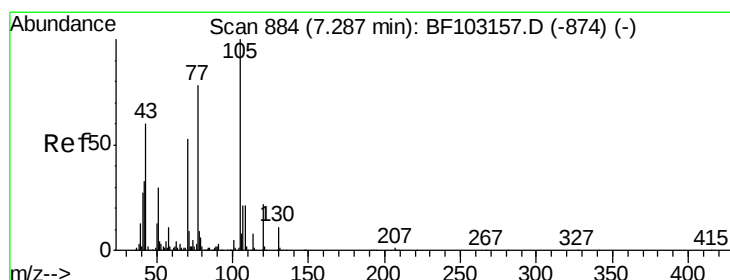
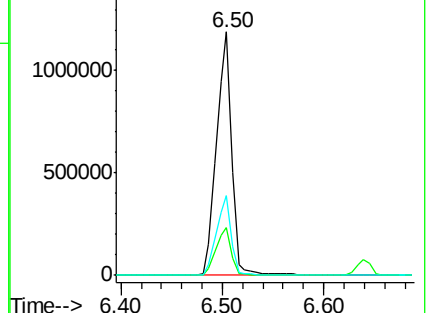
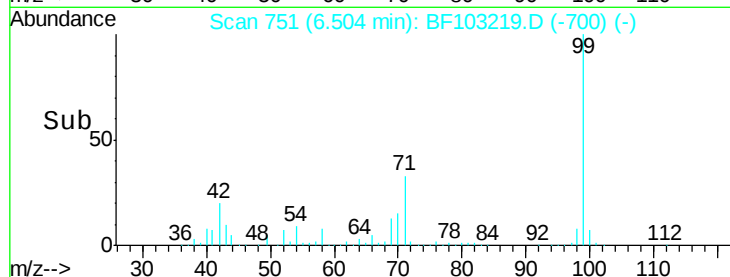
71 32.7 25.4 38.0



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: 13.266 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF103219.D

Acq: 26 Feb 2018 15:27

Tgt Ion: 70 Resp: 108691

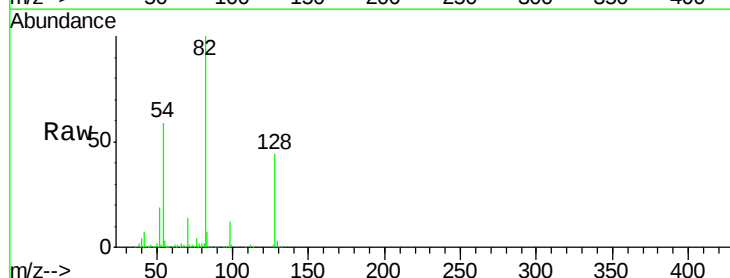
Ion Ratio Lower Upper

70 100

42 49.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

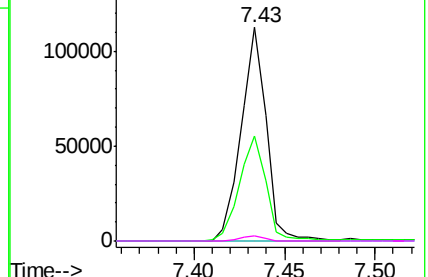
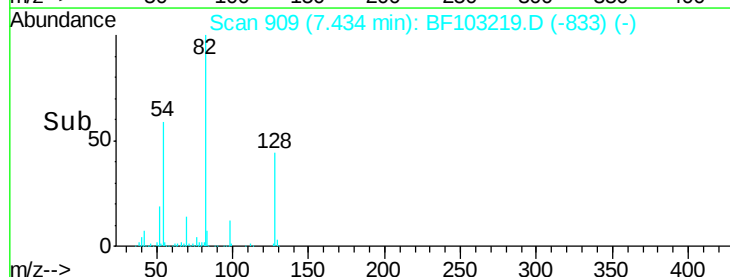


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

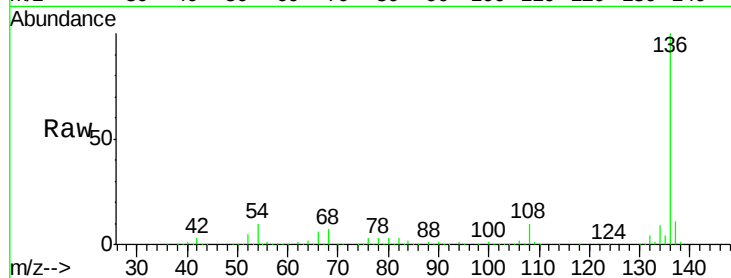




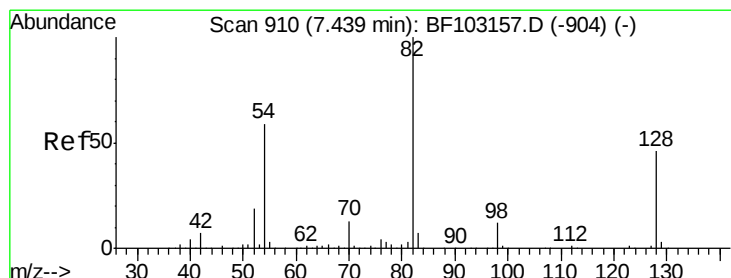
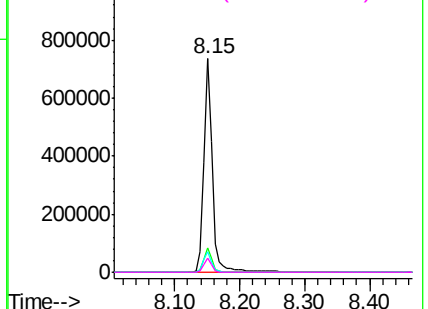
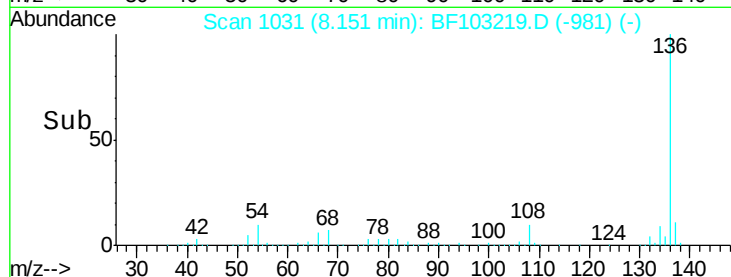
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103219.D
Acq: 26 Feb 2018 15:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	669656
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	9.5	6.6 9.8
68	6.6	5.0 7.4

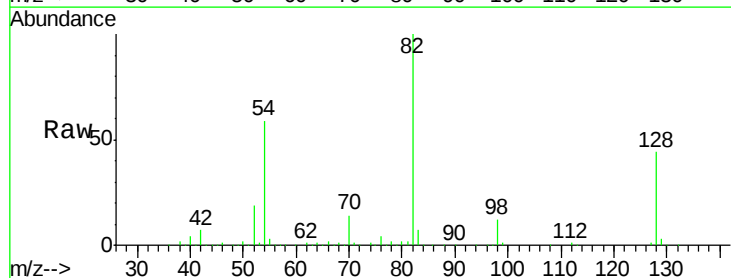


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

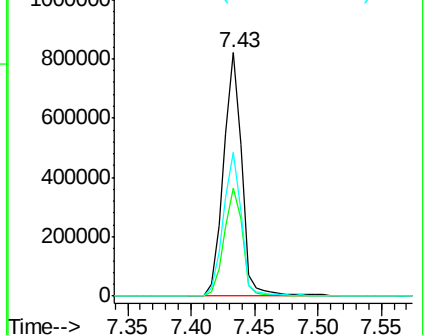
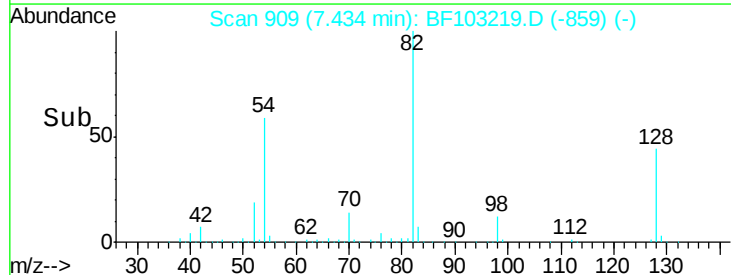


#23
Nitrobenzene-d5
Concen: 70.194 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103219.D
Acq: 26 Feb 2018 15:27

Tgt Ion: 82	Resp:	823100
Ion Ratio	Lower	Upper
82	100	
128	44.4	36.1 54.1
54	59.1	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: 35.640 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF103219.D

Acq: 26 Feb 2018 15:27

Instrument :

BNA_F

ClientSampleId :

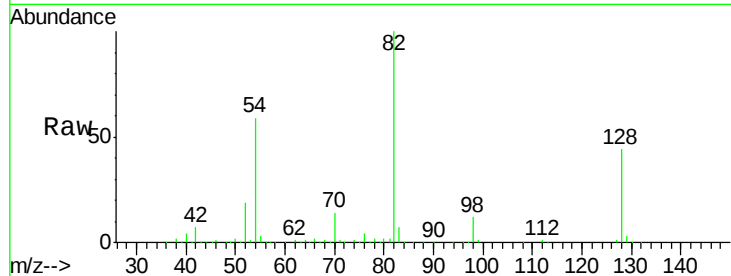
Tot Ion: 82 Resp: 823088

Ion Ratio Lower Upper

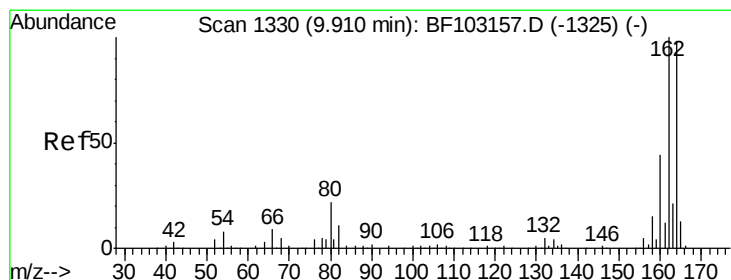
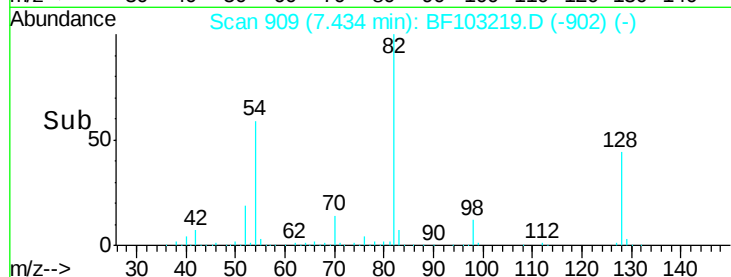
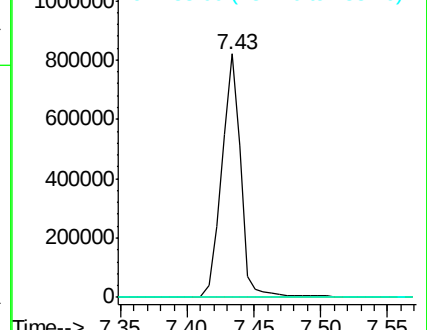
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF103219.D

Acq: 26 Feb 2018 15:27

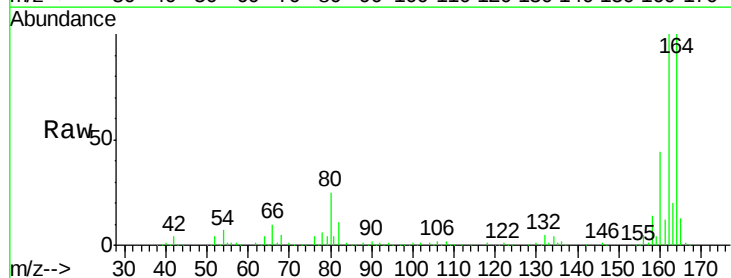
Tgt Ion: 164 Resp: 280007

Ion Ratio Lower Upper

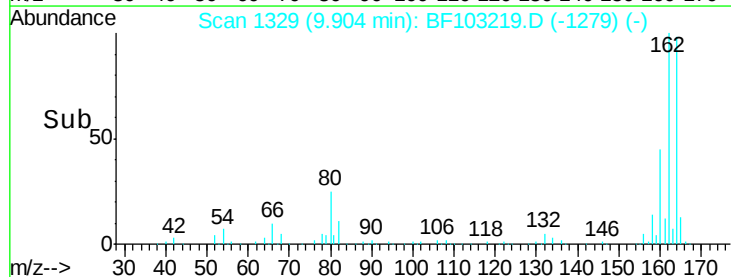
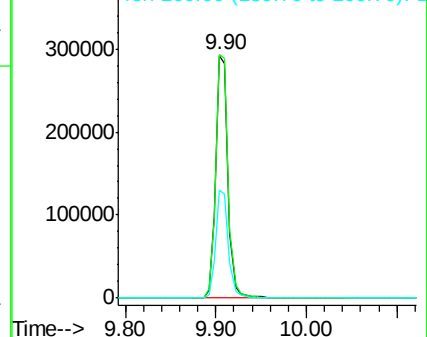
164 100

162 100.2 86.1 129.1

160 44.6 38.3 57.5



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

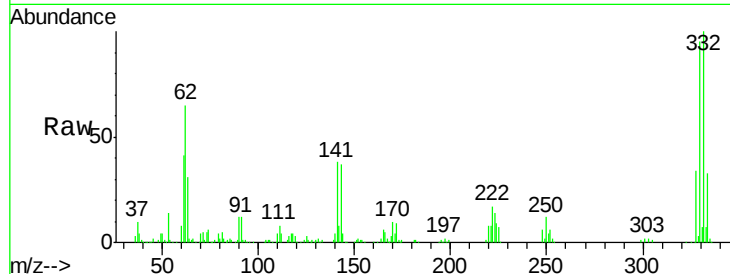




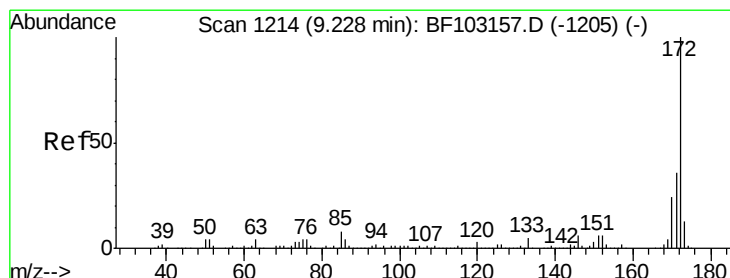
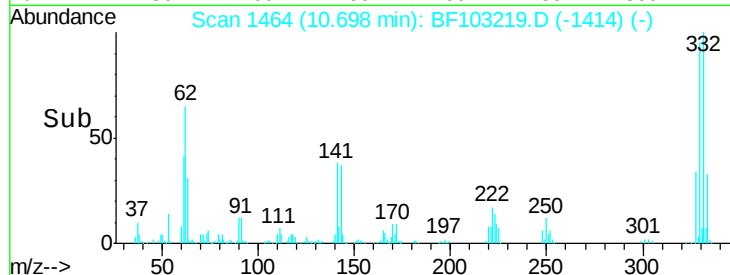
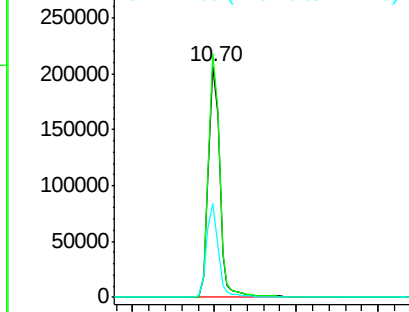
#41
 2,4,6-Tribromophenol
 Concen: 86.263 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF103219.D
 Acq: 26 Feb 2018 15:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
330	100			
332	103.3	77.0	115.6	
141	41.4	29.9	44.9	

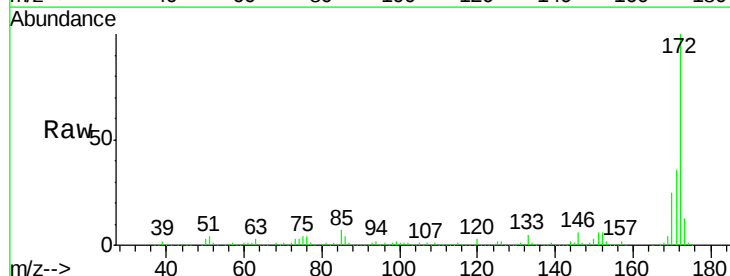


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

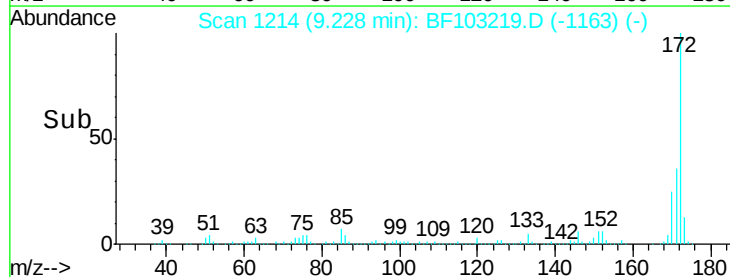
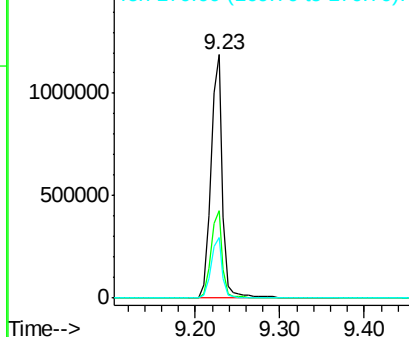


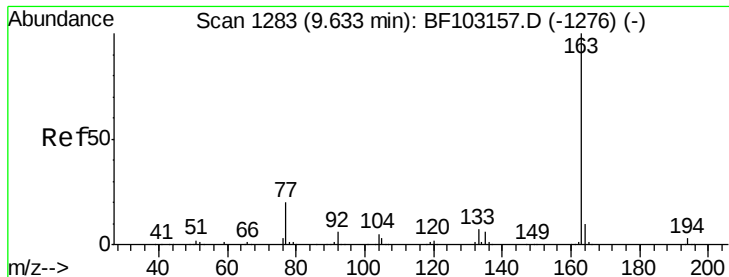
#44
 2-Fluorobiphenyl
 Concen: 67.723 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103219.D
 Acq: 26 Feb 2018 15:27

Tgt Ion	Ion	Ratio	Lower	Upper
172	100			
171	36.1	29.7	44.5	
170	24.7	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

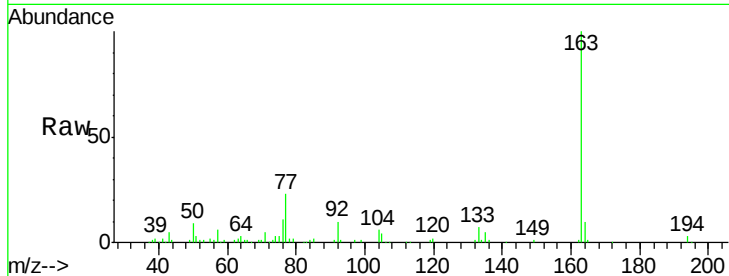




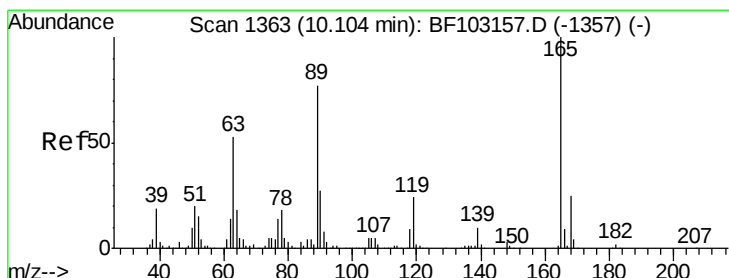
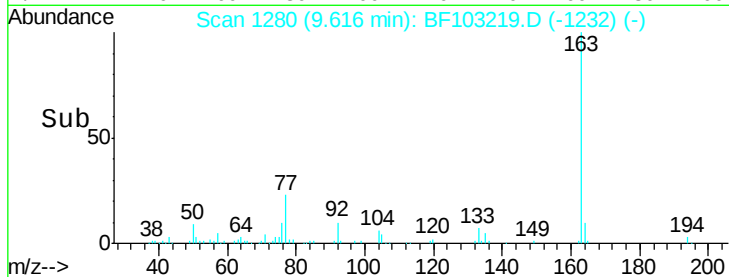
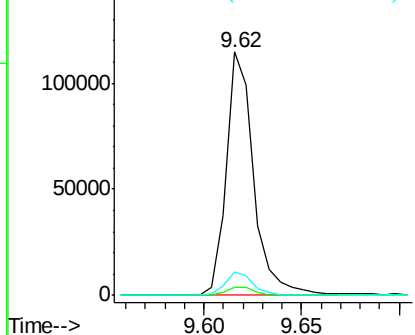
#49
Dimethylphthalate
Concen: 4.955 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF103219.D
Acq: 26 Feb 2018 15:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 111304
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 9.7 8.2 12.2

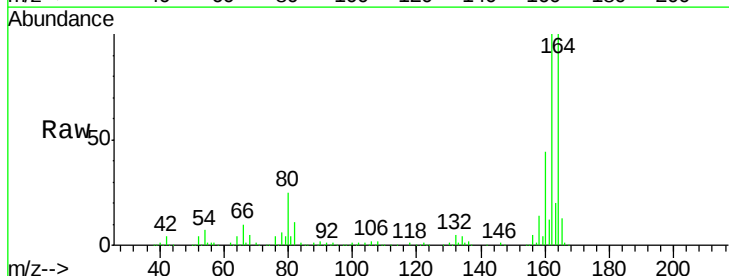


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

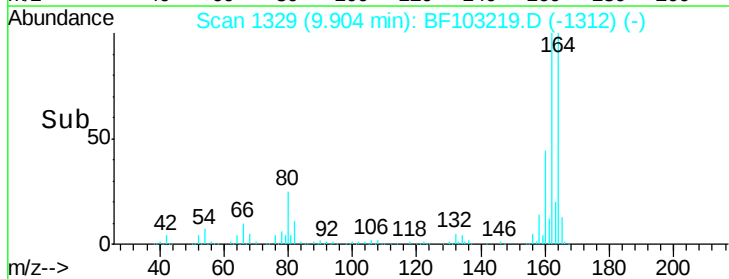
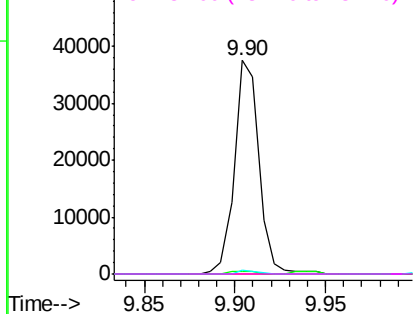


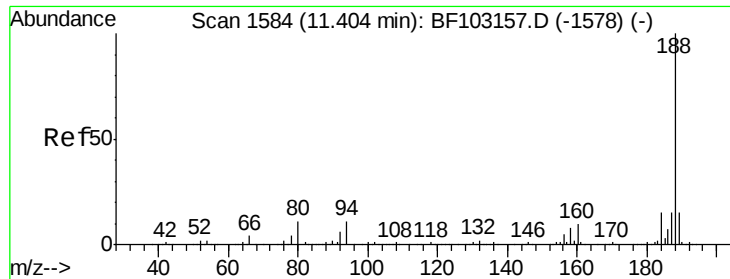
#56
2,4-Dinitrotoluene
Concen: 5.944 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.20 min
Lab File: BF103219.D
Acq: 26 Feb 2018 15:27

Tgt Ion:165 Resp: 35435
Ion Ratio Lower Upper
165 100
63 1.2 36.4 54.6#
89 1.7 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

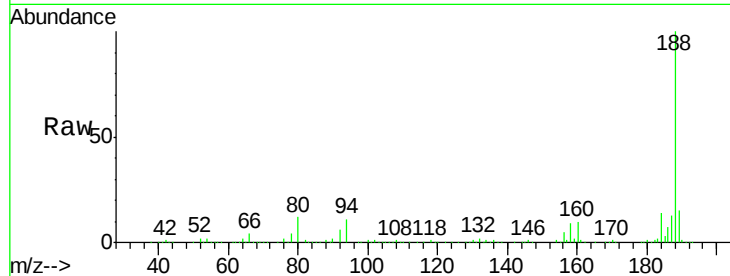




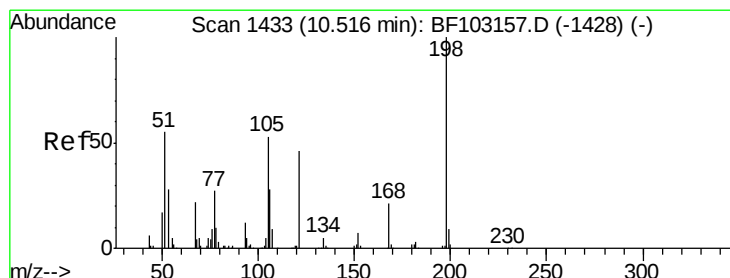
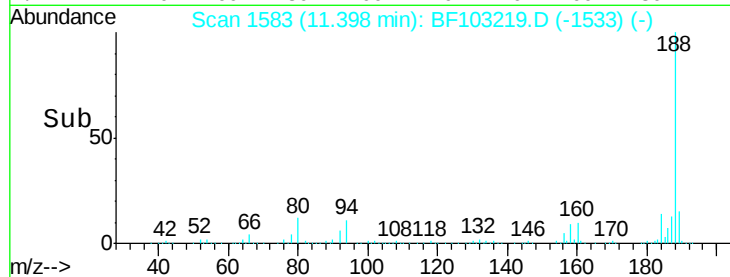
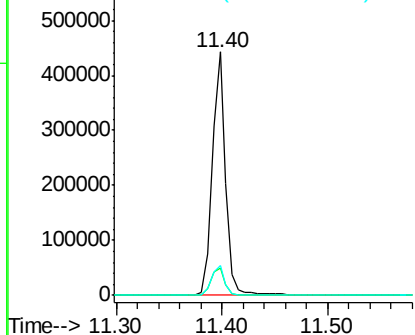
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF103219.D
 Acq: 26 Feb 2018 15:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 391815
 Ion Ratio Lower Upper
 188 100
 94 11.0 8.5 12.7
 80 12.2 9.2 13.8

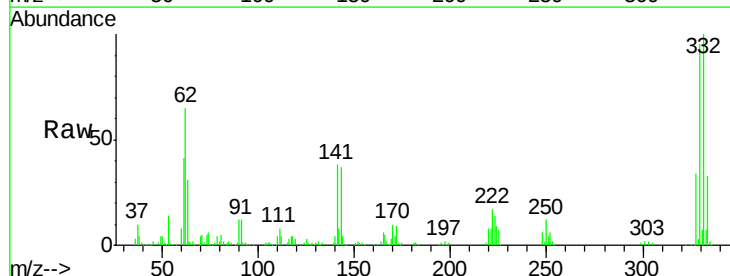


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

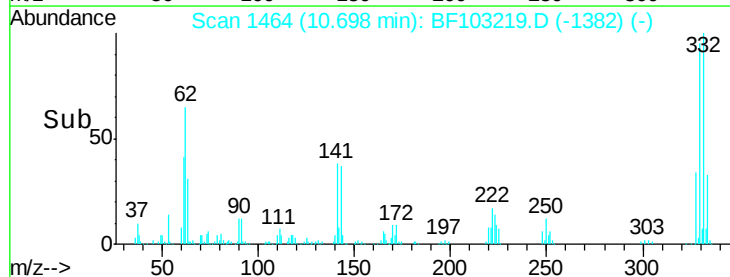
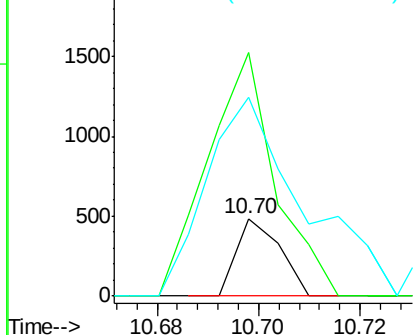


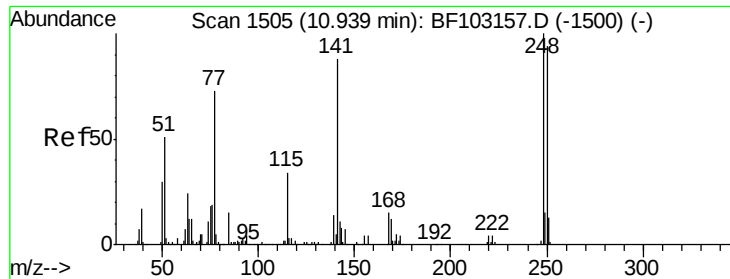
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.054 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.18 min
 Lab File: BF103219.D
 Acq: 26 Feb 2018 15:27

Tgt Ion:198 Resp: 289
 Ion Ratio Lower Upper
 198 100
 51 312.9 37.7 77.7#
 105 254.8 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

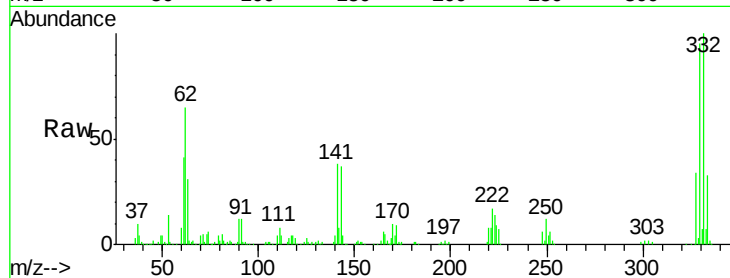




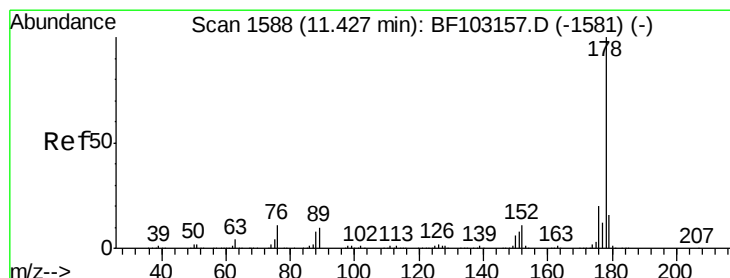
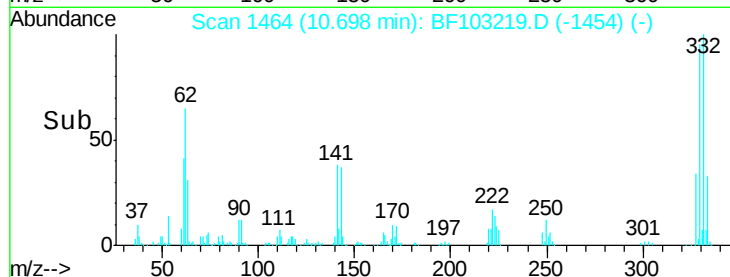
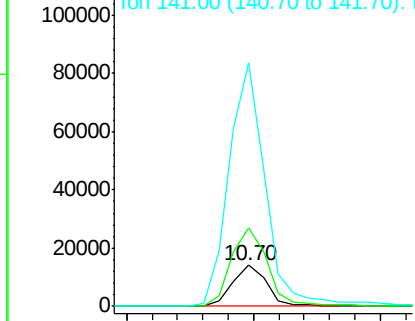
#66
 4-Bromophenyl-phenylether
 Concen: 3.250 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.24 min
 Lab File: BF103219.D
 Acq: 26 Feb 2018 15:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 13266
 Ion Ratio Lower Upper
 248 100
 250 191.7 76.9 115.3#
 141 590.6 74.4 111.6#

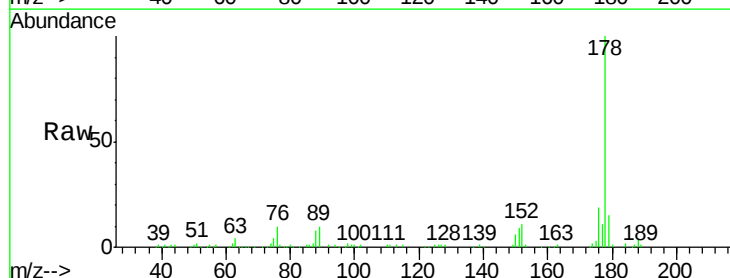


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

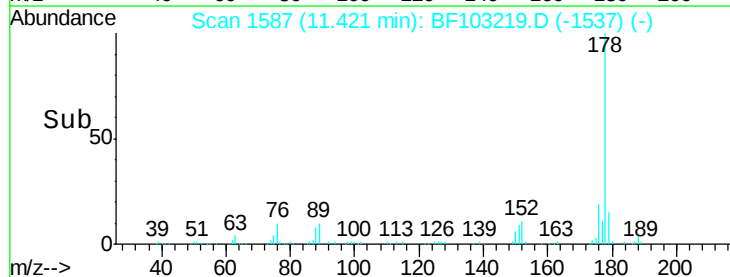
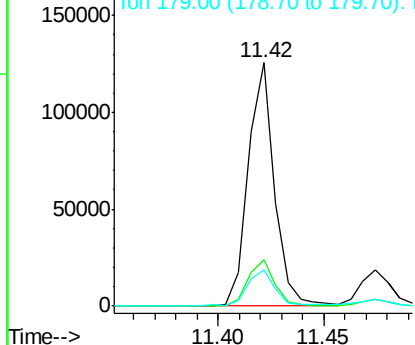


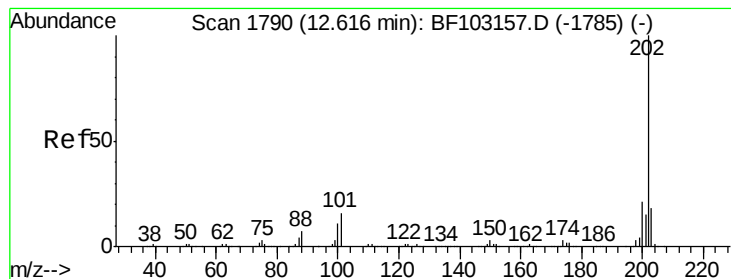
#70
 Phenanthrene
 Concen: 5.043 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF103219.D
 Acq: 26 Feb 2018 15:27

Tgt Ion:178 Resp: 108738
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 14.9 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 8.424 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF103219.D

Acq: 26 Feb 2018 15:27

Instrument :

BNA_F

ClientSampled :

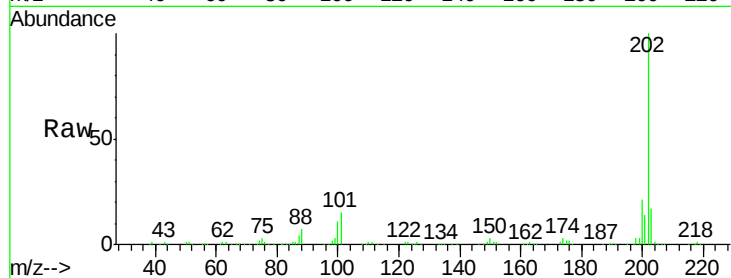
Tot Ion:202 Resp: 182534

Ion Ratio Lower Upper

202 100

101 15.2 0.0 34.1

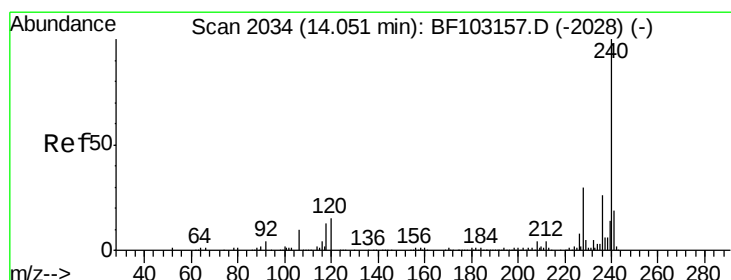
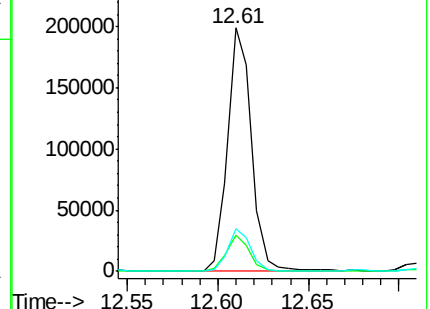
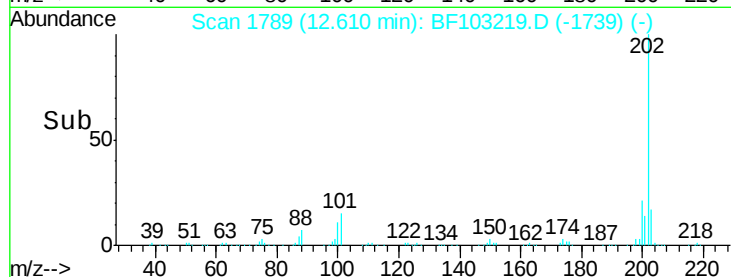
203 17.5 0.0 38.1



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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103219.D

Acq: 26 Feb 2018 15:27

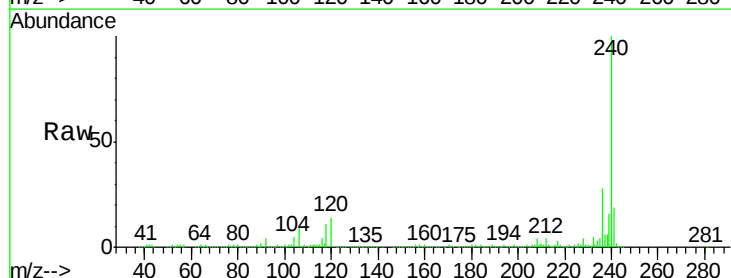
Tgt Ion:240 Resp: 282554

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

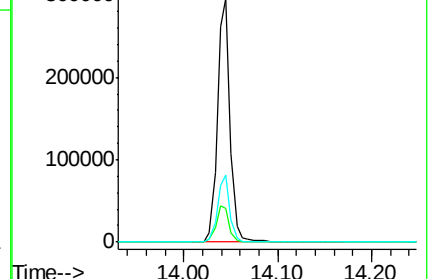
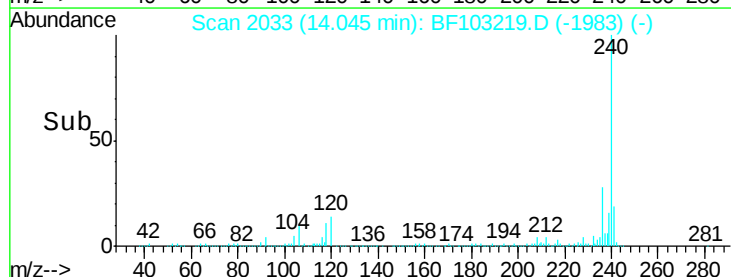
236 27.7 20.7 31.1

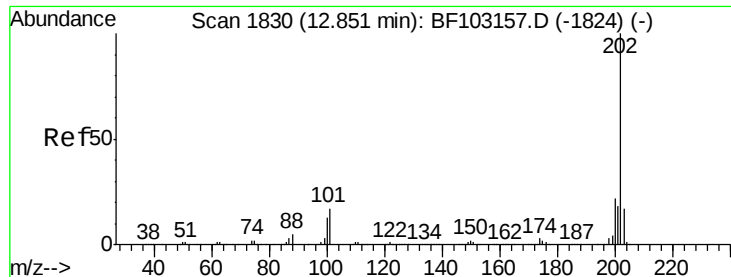


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

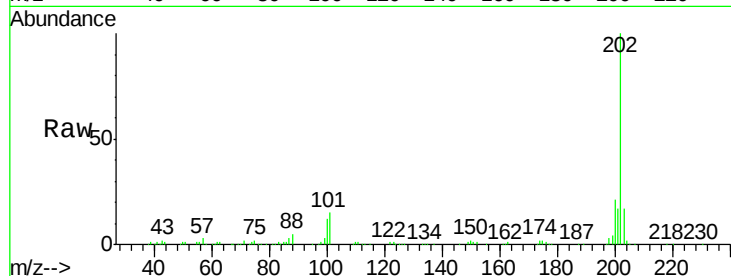




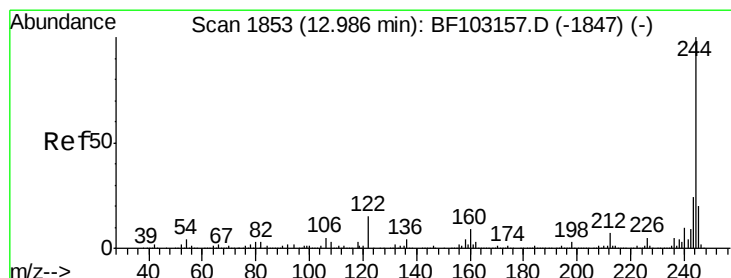
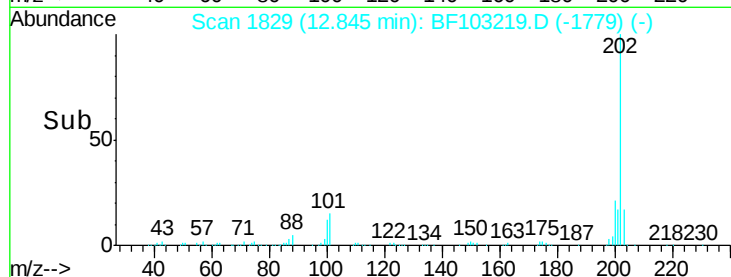
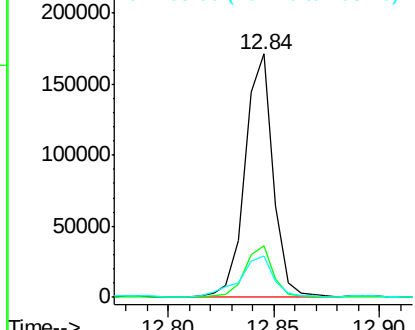
#77
Pvrene
Concen: 7.179 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF103219.D
Acq: 26 Feb 2018 15:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.2	14.3	21.5

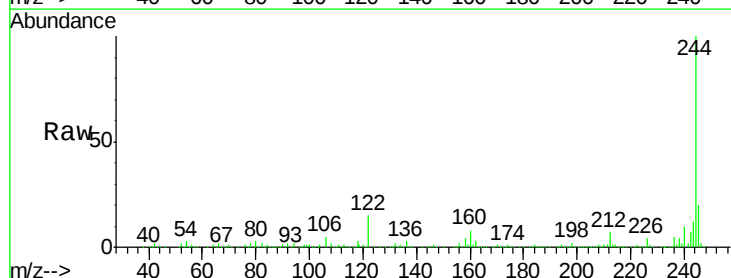


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

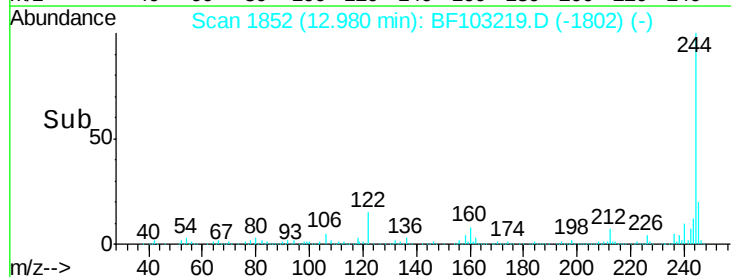
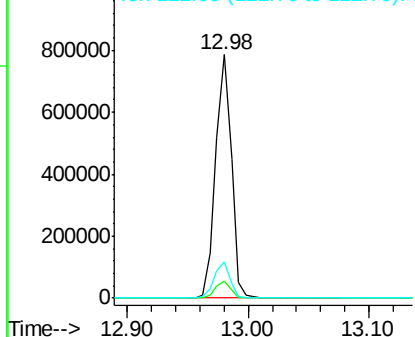


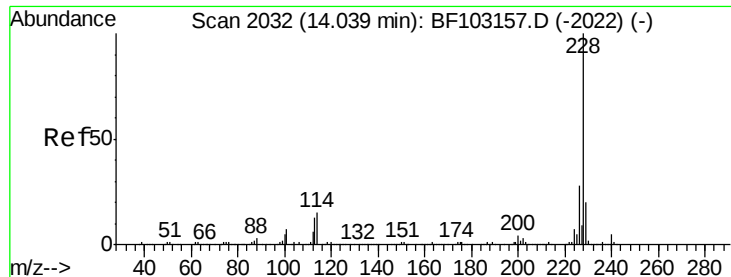
#78
Terphenyl-d14
Concen: 59.687 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF103219.D
Acq: 26 Feb 2018 15:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	14.7	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

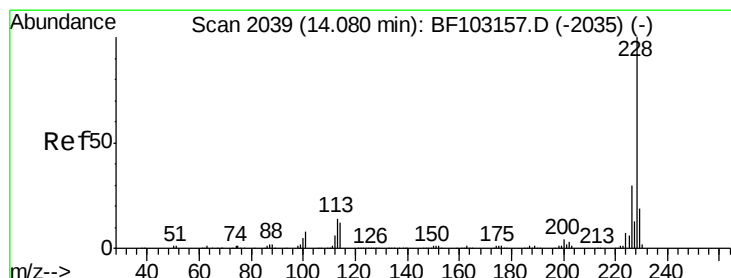
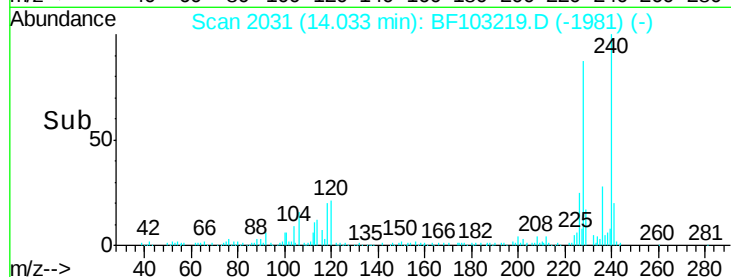
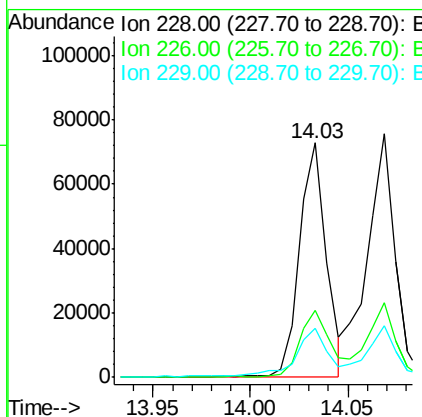
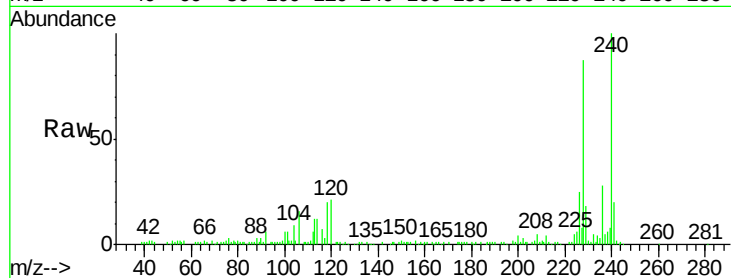




#80
Benzo(a)anthracene
Concen: 3.802 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF103219.D
Acq: 26 Feb 2018 15:27

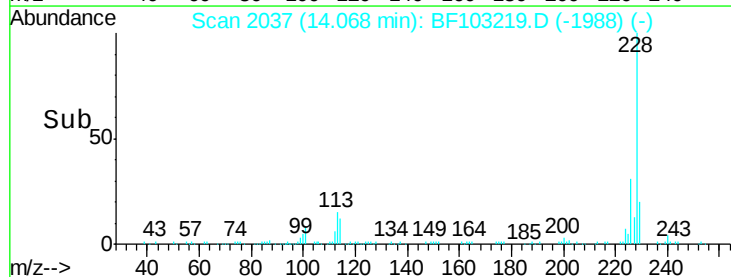
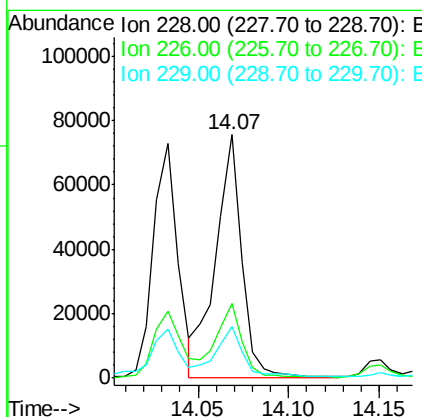
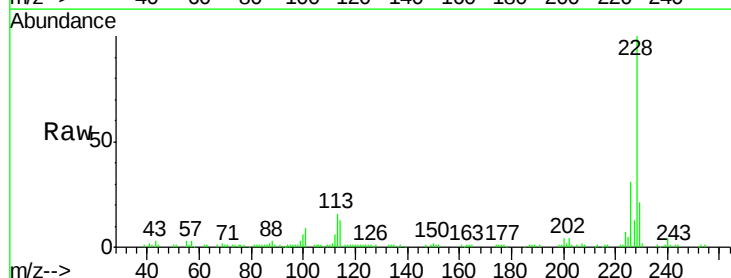
Instrument :
BNA_F
ClientSampleId :

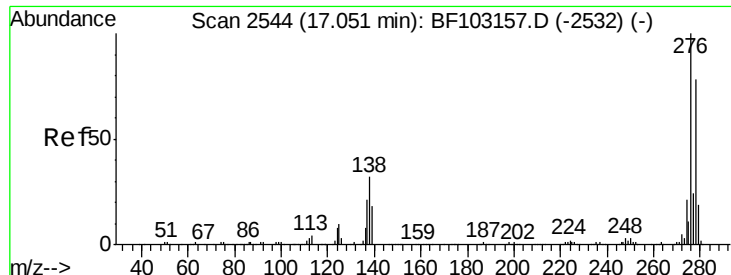
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	20.8	15.8	23.6



#82
Chrysene
Concen: 4.335 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF103219.D
Acq: 26 Feb 2018 15:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	21.1	16.2	24.4

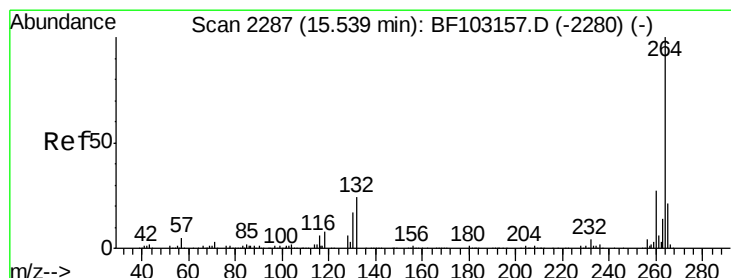
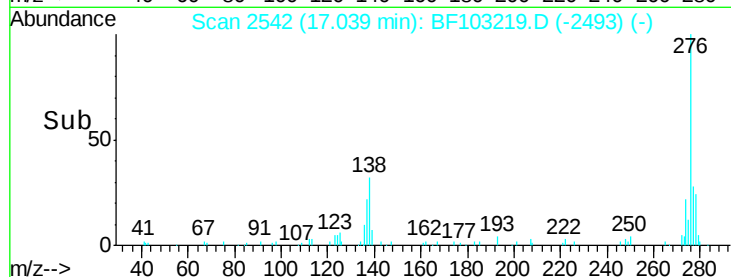
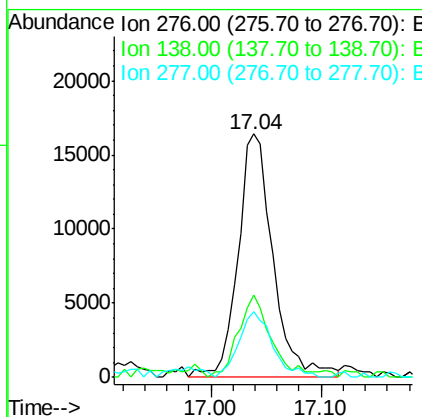
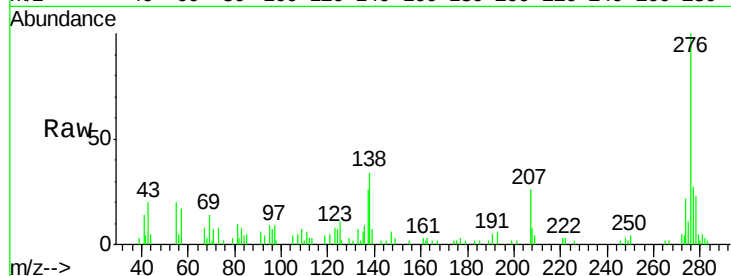




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.596 ng
RT: 17.04 min Scan# 2542
Delta R.T. -0.01 min
Lab File: BF103219.D
Acq: 26 Feb 2018 15:27

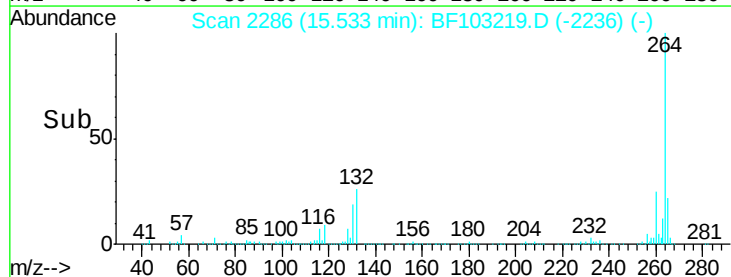
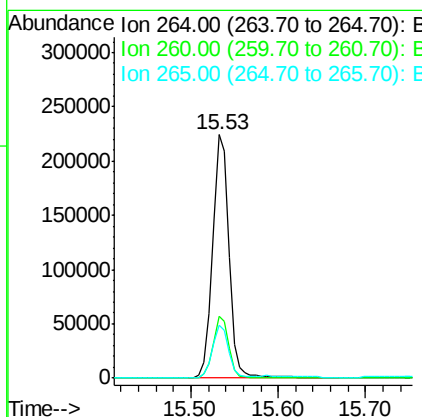
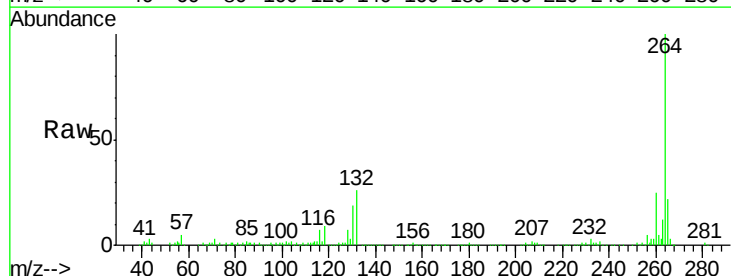
Instrument :
BNA_F
ClientSampled :

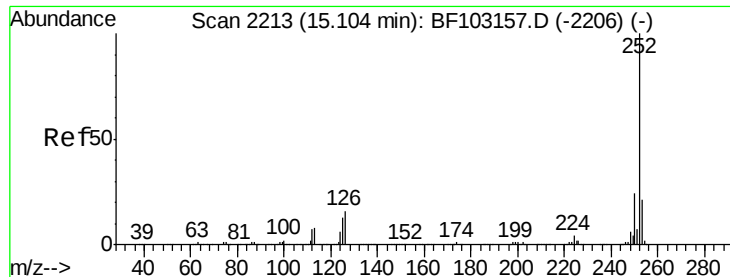
Tot Ion:276 Resp: 36588
Ion Ratio Lower Upper
276 100
138 31.6 25.0 37.6
277 26.1 20.1 30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.01 min
Lab File: BF103219.D
Acq: 26 Feb 2018 15:27

Tgt Ion:264 Resp: 294720
Ion Ratio Lower Upper
264 100
260 25.4 19.2 28.8
265 21.5 17.5 26.3

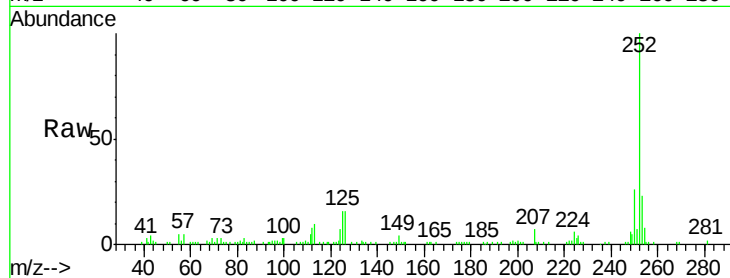




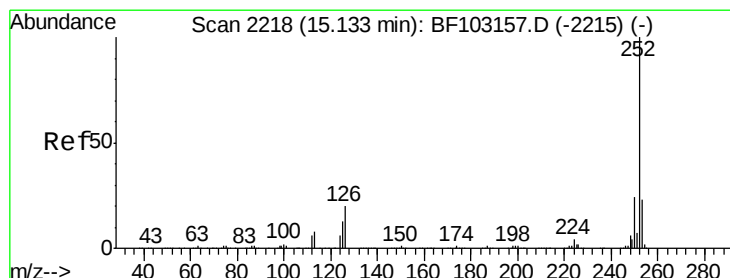
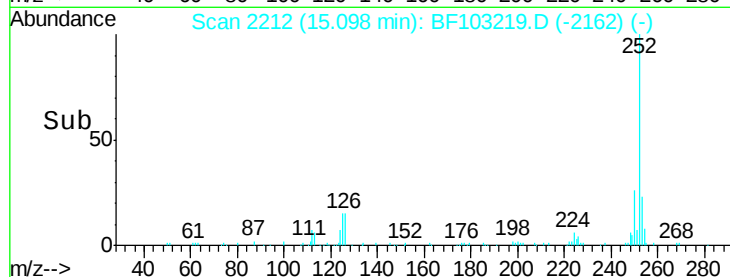
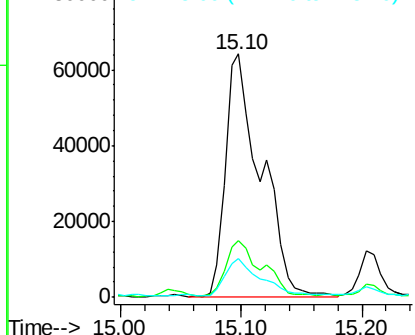
#87
Benzo(b)fluoranthene
Concen: 6.799 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF103219.D
Acq: 26 Feb 2018 15:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 131740
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 15.9 9.0 13.6#

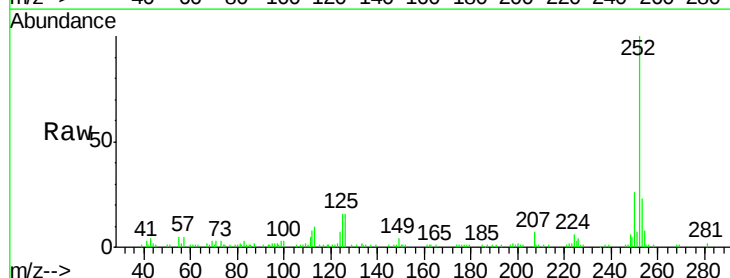


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

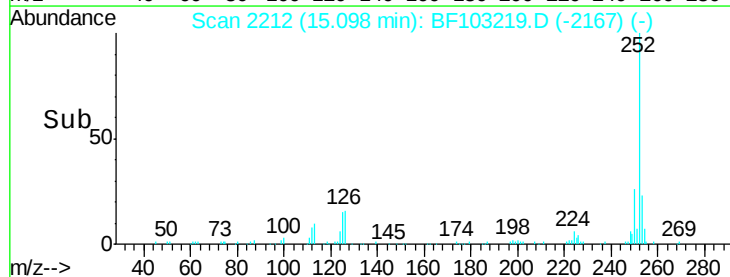
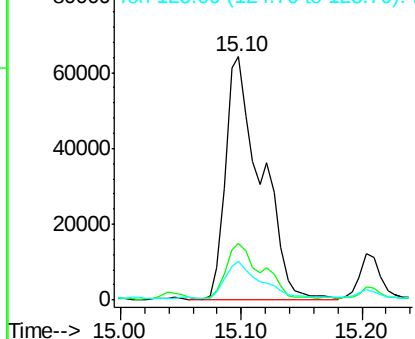


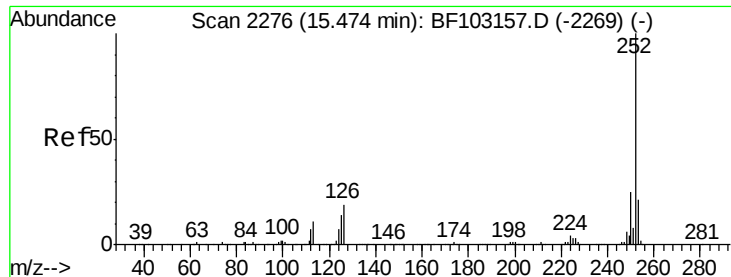
#88
Benzo(k)fluoranthene
Concen: 7.220 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.04 min
Lab File: BF103219.D
Acq: 26 Feb 2018 15:27

Tgt Ion:252 Resp: 131740
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 15.9 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

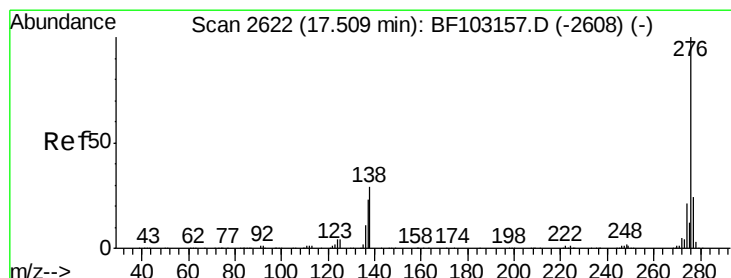
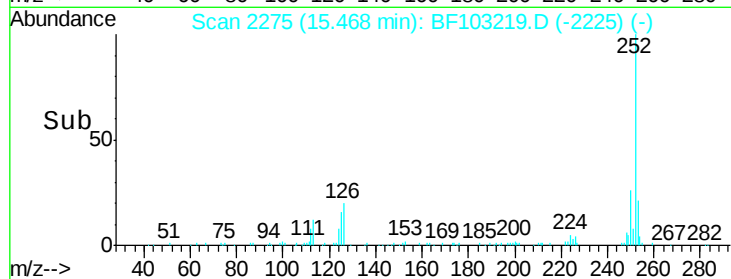
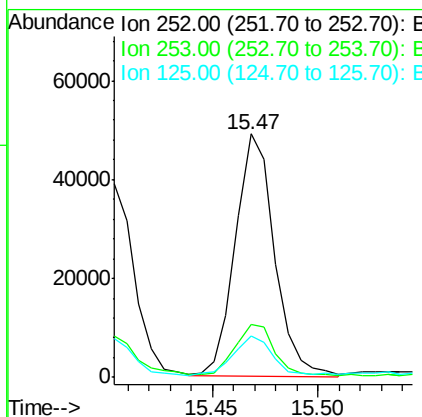
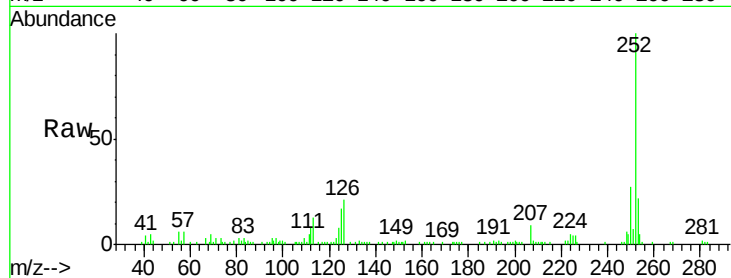




#89
Benzo(a)pyrene
Concen: 3.636 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF103219.D
Acq: 26 Feb 2018 15:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 62912
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 17.0 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.483 ng
RT: 17.50 min Scan# 2620
Delta R.T. -0.01 min
Lab File: BF103219.D
Acq: 26 Feb 2018 15:27

Tgt Ion:276 Resp: 32451
Ion Ratio Lower Upper
276 100
277 26.6 17.9 26.9
138 31.5 21.8 32.8

