

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103423.D
 Acq On : 5 Mar 2018 21:49
 Operator : SJ/JU
 Sample : J1723-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 05 23:55:23 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	130625	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	538446	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	216143	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	339795	20.00	ng	0.00
75) Chrysene-d12	14.07	240	206572	20.00	ng	0.00
86) Perylene-d12	15.59	264	158346	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	969547	112.26	ng	0.00
7) Phenol-d6	6.52	99	1152117	109.02	ng	0.00
23) Nitrobenzene-d5	7.44	82	694564	73.67	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	154637	84.52	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	885699	67.09	ng	0.00
78) Terphenyl-d14	13.00	244	616530	71.75	ng	0.00

Target Compounds

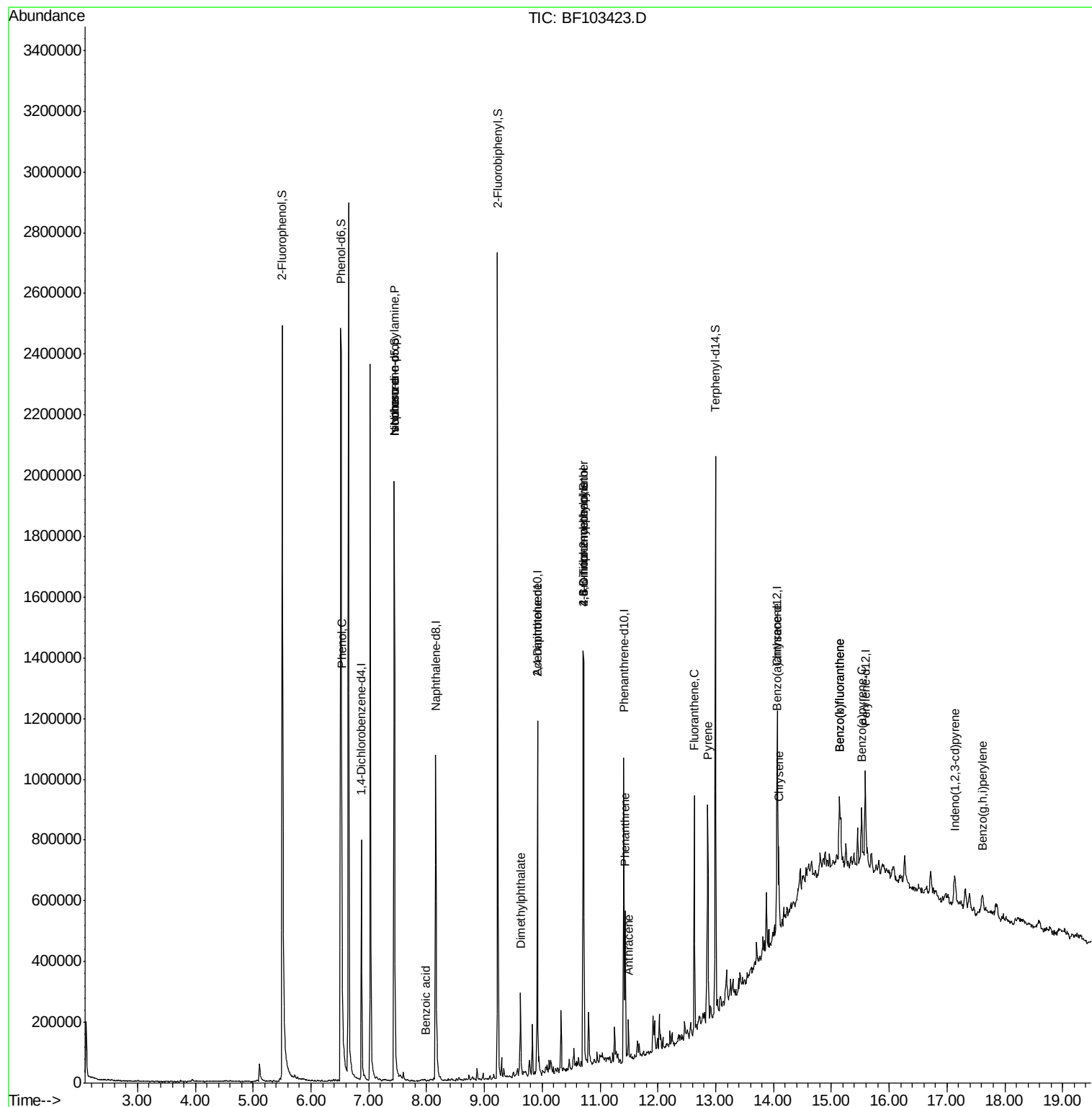
						Qvalue
9) Benzaldehyde	6.47	77	935	Below Cal	#	1
10) Phenol	6.53	94	95072	7.749 ng		86
19) n-Nitroso-di-n-propylamine	7.44	70	95381	14.501 ng	#	83
25) Isophorone	7.44	82	694564	37.404 ng	#	64
32) Benzoic acid	7.99	122	107	6.930 ng	#	31
49) Dimethylphthalate	9.62	163	101210	5.837 ng	#	99
56) 2,4-Dinitrotoluene	9.92	165	28711	6.239 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.71	198	339	5.092 ng	#	1
66) 4-Bromophenyl-phenylether	10.72	248	10855	3.067 ng	#	1
70) Phenanthrene	11.43	178	161131	8.617 ng		99
71) Anthracene	11.49	178	56683	2.956 ng		99
74) Fluoranthene	12.63	202	297655	15.840 ng		97
77) Pyrene	12.86	202	277634	17.238 ng		99
80) Benzo(a)anthracene	14.06	228	136230	10.164 ng		98
82) Chrysene	14.09	228	122805	9.436 ng		98
85) Indeno(1,2,3-cd)pyrene	17.14	276	51685	5.017 ng		93
87) Benzo(b)fluoranthene	15.14	252	187604	18.020 ng	#	90
88) Benzo(k)fluoranthene	15.14	252	187604	19.136 ng	#	93
89) Benzo(a)pyrene	15.52	252	93295	10.035 ng	#	88
91) Benzo(a,h,i)perylene	17.62	276	50552	7.200 ng		96

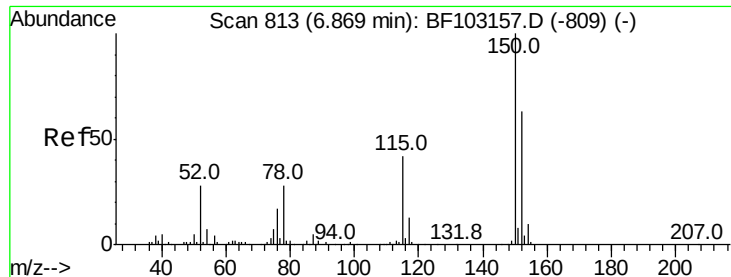
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 11 Sample Multiplier: 1

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BNA_F
ClientSampled :

Quant Time: Mar 05 23:55:23 2018
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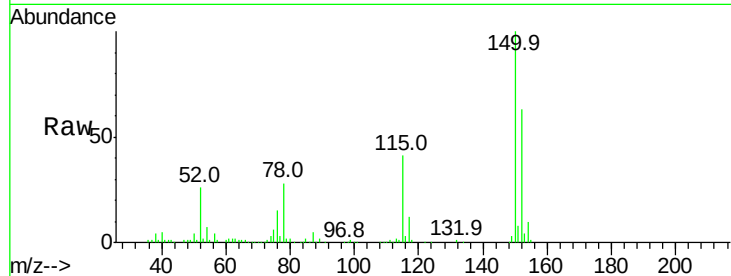


#1

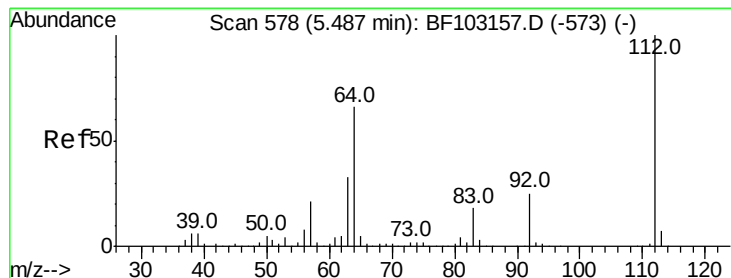
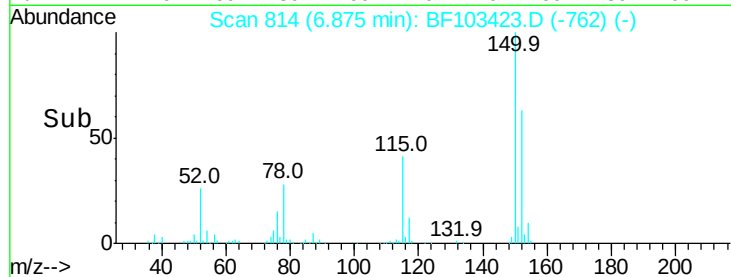
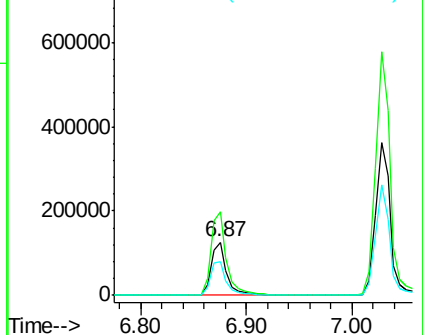
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103423.D
Acq: 5 Mar 2018 21:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 130625
Ion Ratio Lower Upper
152 100
150 158.8 124.6 186.8
115 64.9 50.1 75.1



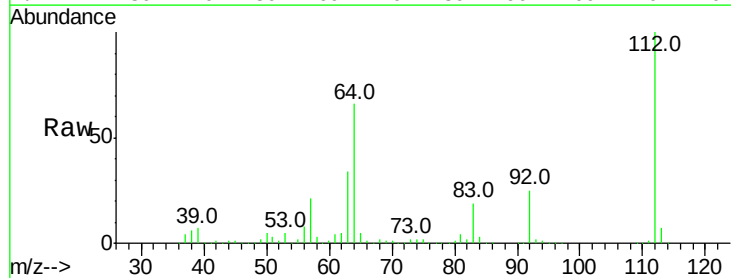
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



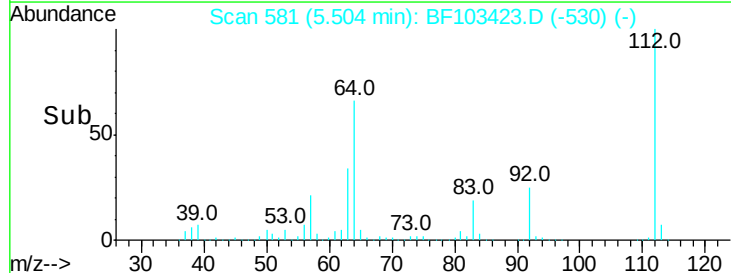
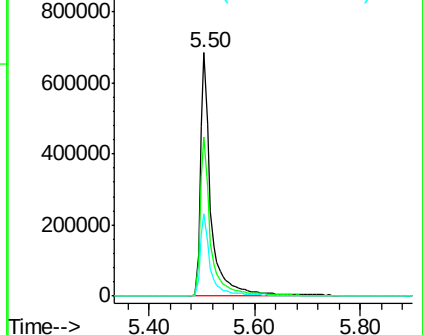
#5

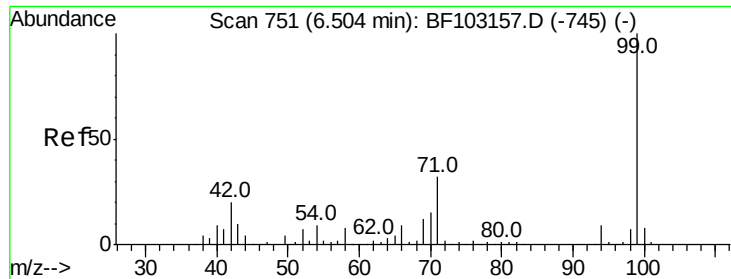
2-Fluorophenol
Concen: 112.258 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF103423.D
Acq: 5 Mar 2018 21:49

Tgt Ion:112 Resp: 969547
Ion Ratio Lower Upper
112 100
64 65.5 47.9 71.9
63 33.9 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: 109.015 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103423.D

Acq: 5 Mar 2018 21:49

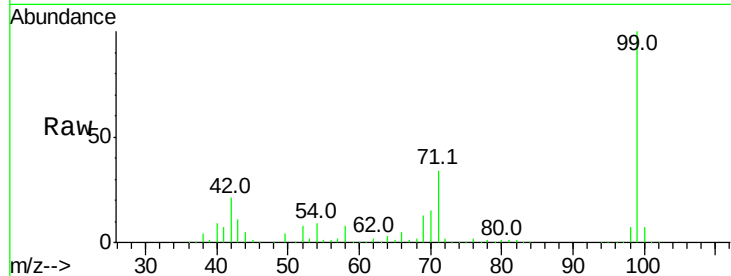
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1152117

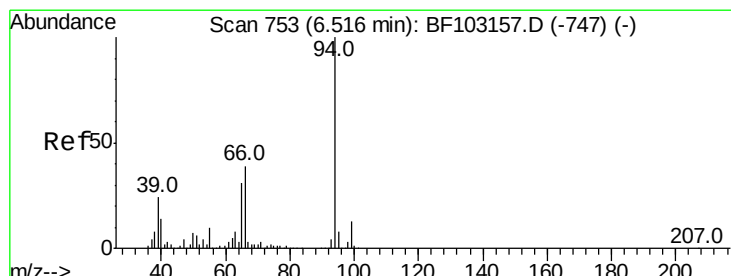
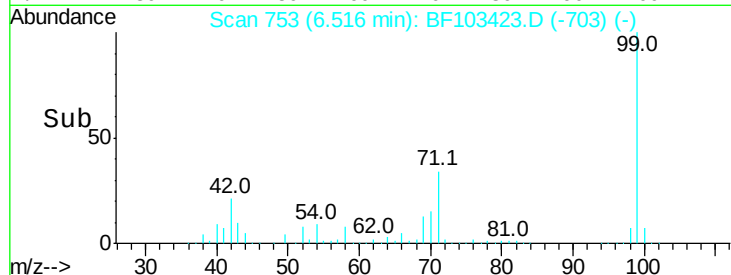
Ion	Ratio	Lower	Upper
99	100		
42	21.3	14.5	21.7
71	34.2	25.4	38.0



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: 7.749 ng

RT: 6.53 min Scan# 756

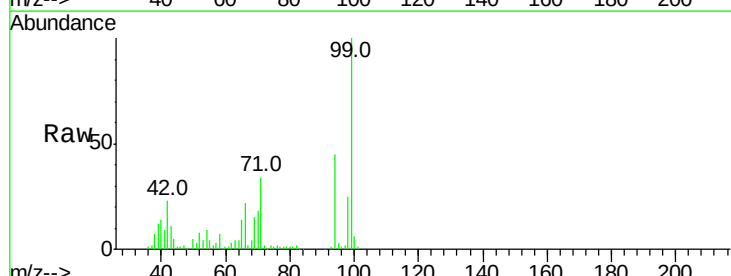
Delta R.T. 0.00 min

Lab File: BF103423.D

Acq: 5 Mar 2018 21:49

Tgt Ion: 94 Resp: 95072

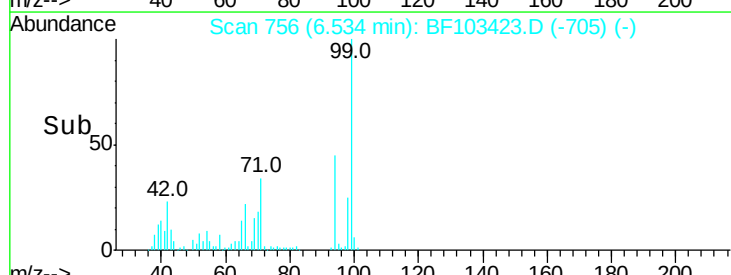
Ion	Ratio	Lower	Upper
94	100		
65	30.9	7.9	47.9
66	48.6	16.2	56.2

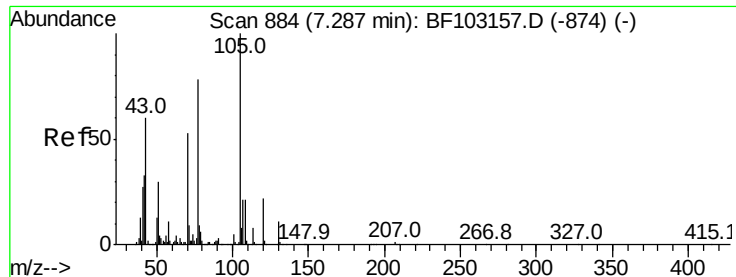


Abundance Ion 94.00 (93.70 to 94.70): BF1

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: 14.501 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.16 min

Lab File: BF103423.D

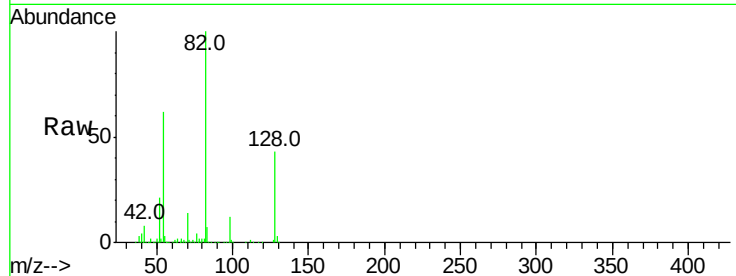
Acq: 5 Mar 2018 21:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	95381
Ion	Ratio	Lower	Upper
70	100		
42	53.8	47.5	71.3
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#

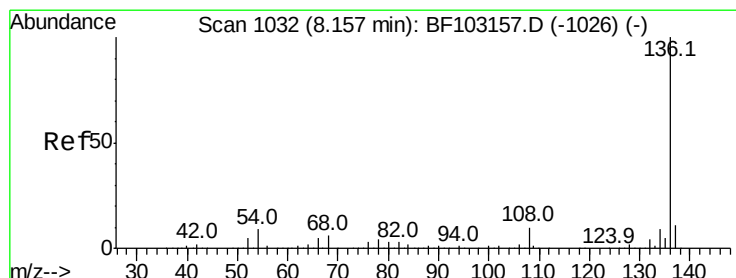
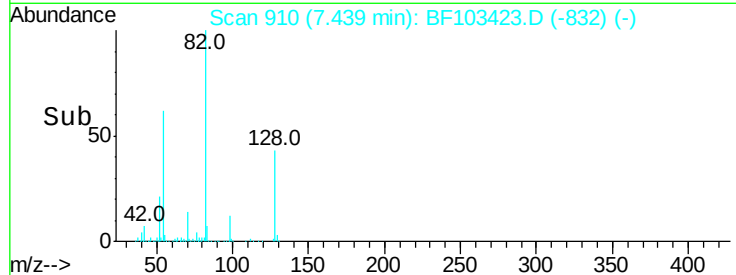
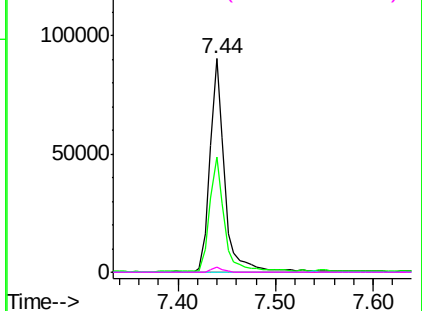


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

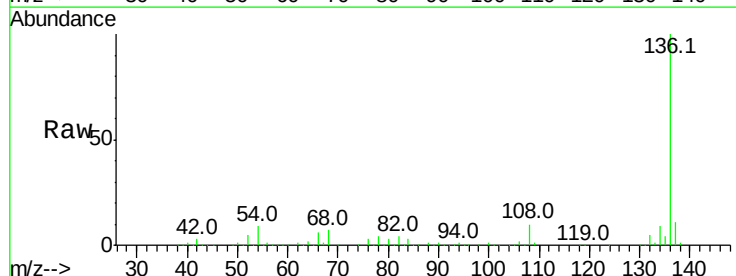
RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103423.D

Acq: 5 Mar 2018 21:49

Tgt Ion:	136	Resp:	538446
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	9.3	6.6	9.8
68	6.6	5.0	7.4

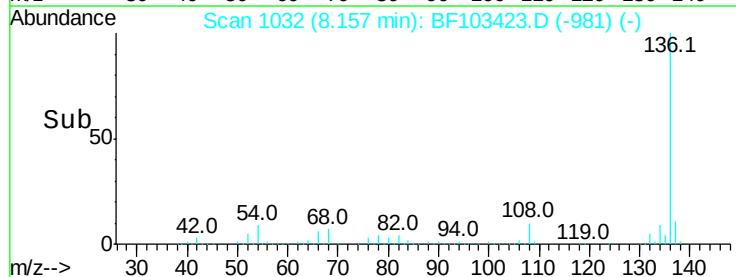
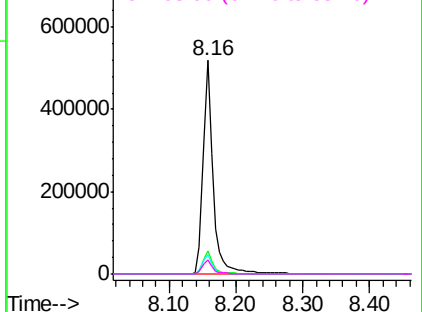


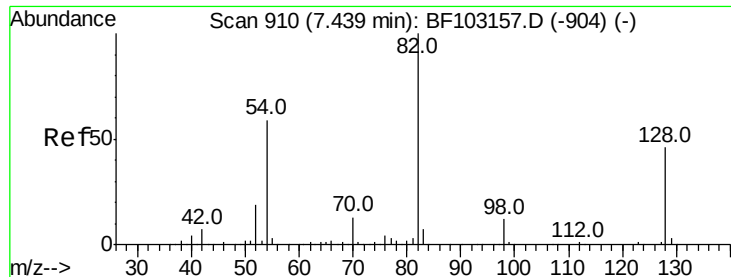
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

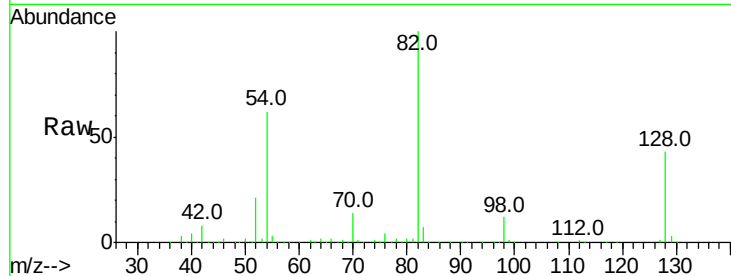




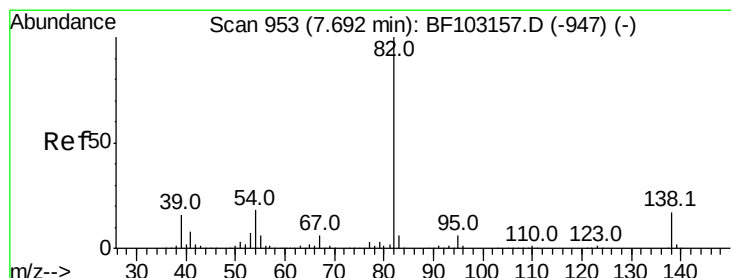
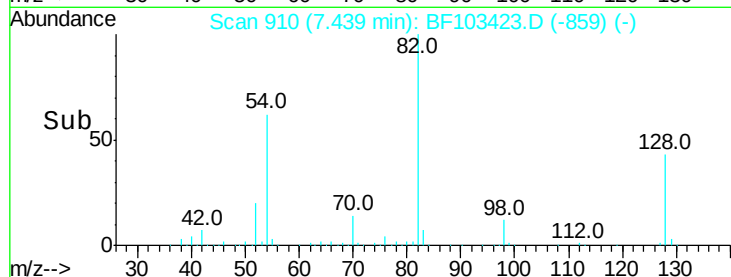
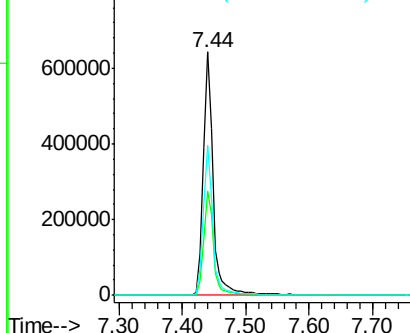
#23
 Nitrobenzene-d5
 Concen: 73.667 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: BF103423.D
 Acq: 5 Mar 2018 21:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 694564
 Ion Ratio Lower Upper
 82 100
 128 42.7 36.1 54.1
 54 61.7 41.4 62.2

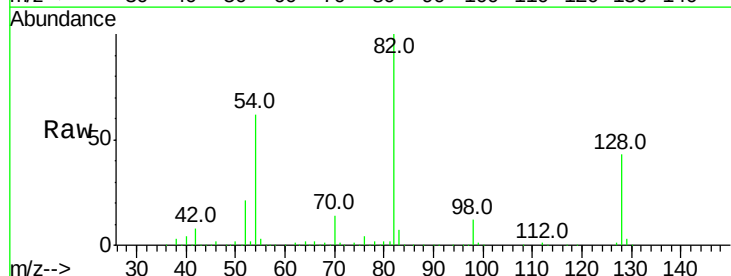


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

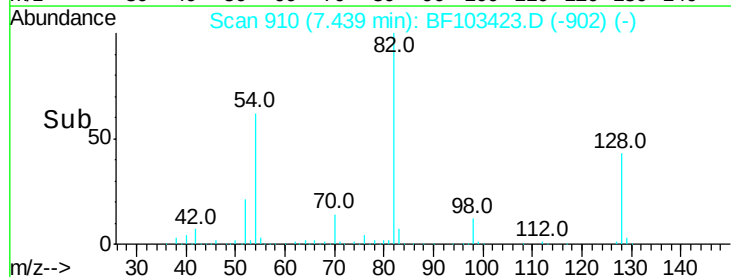
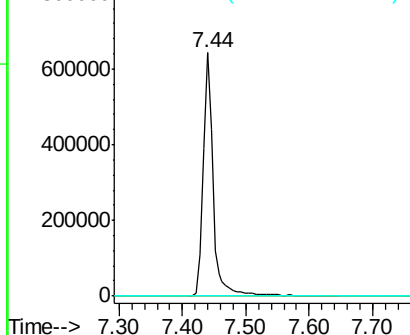


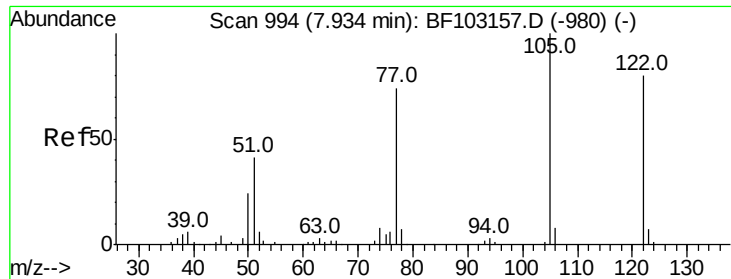
#25
 Isophorone
 Concen: 37.404 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.25 min
 Lab File: BF103423.D
 Acq: 5 Mar 2018 21:49

Tgt Ion: 82 Resp: 694564
 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

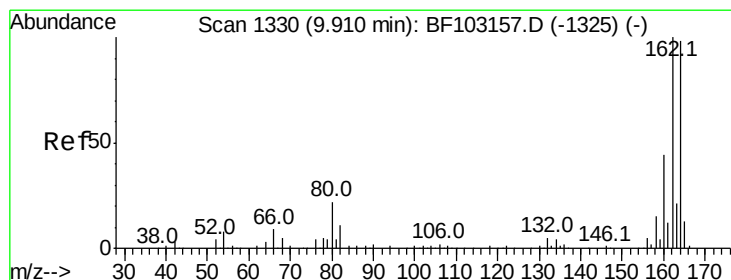
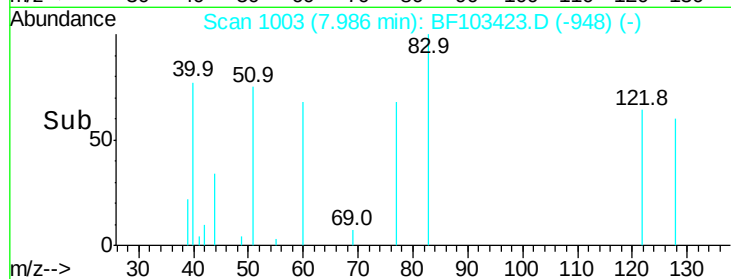
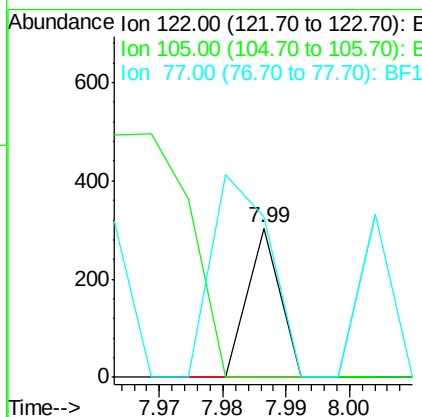
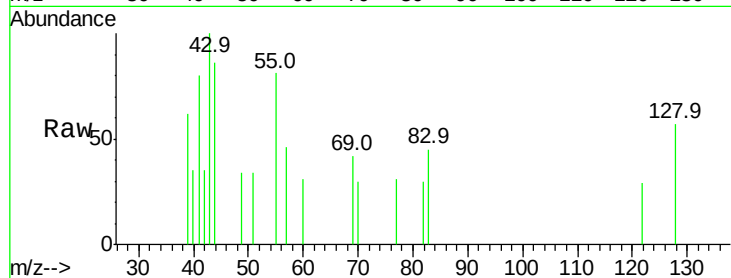




#32
Benzoic acid
Concen: 6.930 ng
RT: 7.99 min Scan# 1003
Delta R.T. 0.02 min
Lab File: BF103423.D
Acq: 5 Mar 2018 21:49

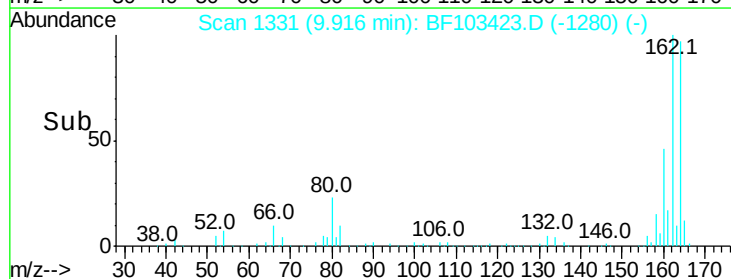
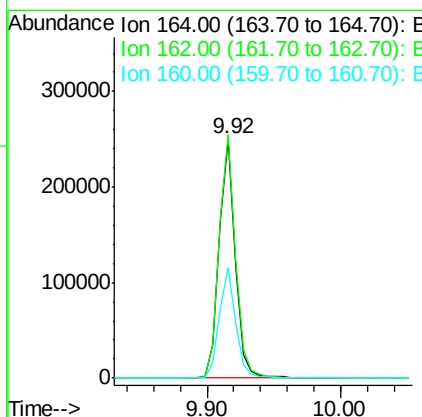
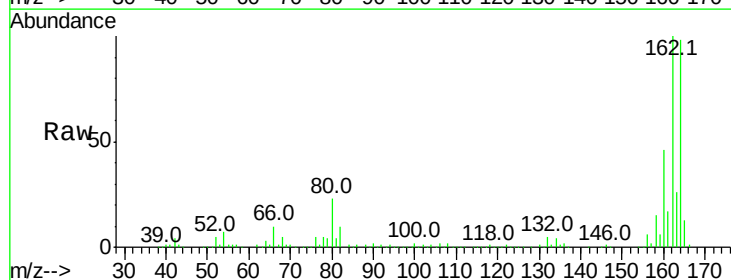
Instrument :
BNA_F
ClientSampled :

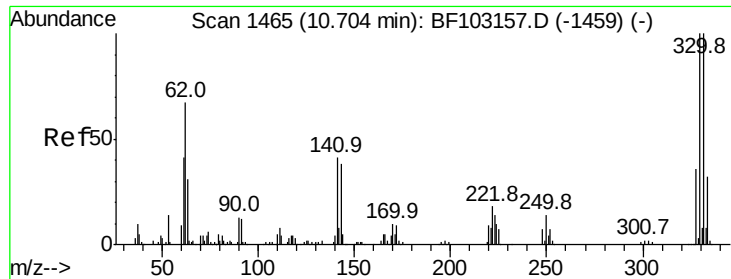
Tot Ion:122 Resp: 107
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 107.2 70.7 110.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF103423.D
Acq: 5 Mar 2018 21:49

Tgt Ion:164 Resp: 216143
Ion Ratio Lower Upper
164 100
162 101.8 86.1 129.1
160 46.4 38.3 57.5

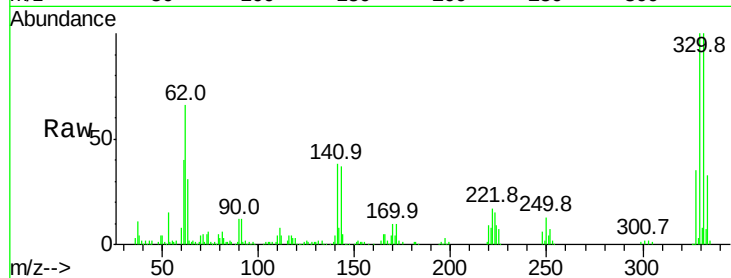




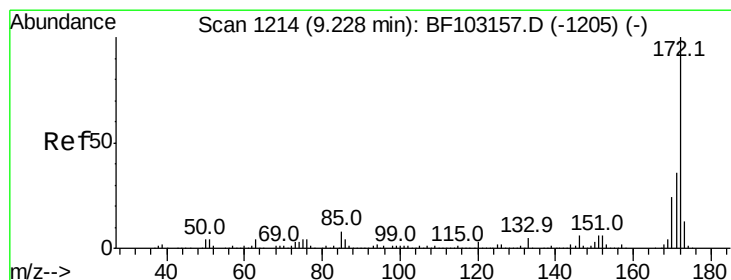
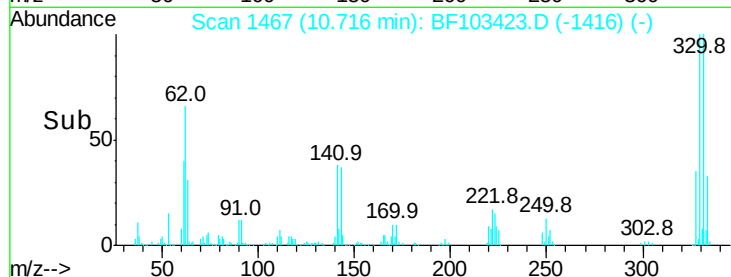
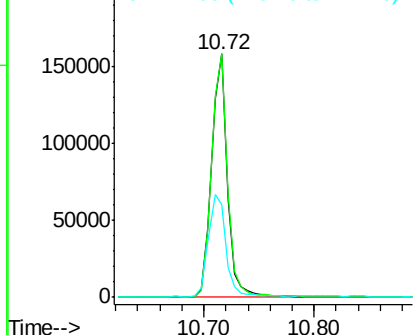
#41
 2,4,6-Tribromophenol
 Concen: 84.523 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF103423.D
 Acq: 5 Mar 2018 21:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 154637
 Ion Ratio Lower Upper
 330 100
 332 101.5 77.0 115.6
 141 46.2 29.9 44.9#

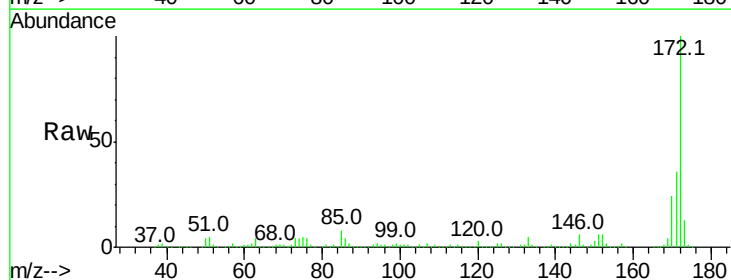


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

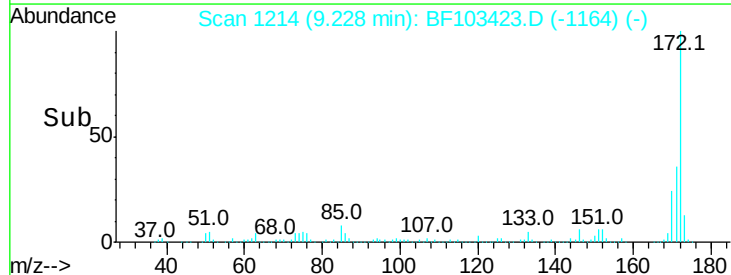
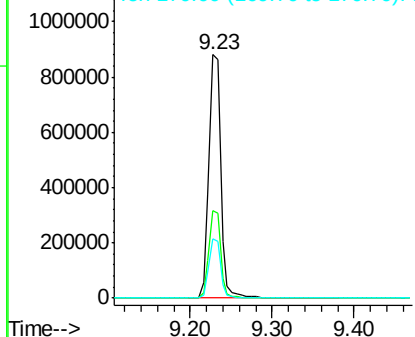


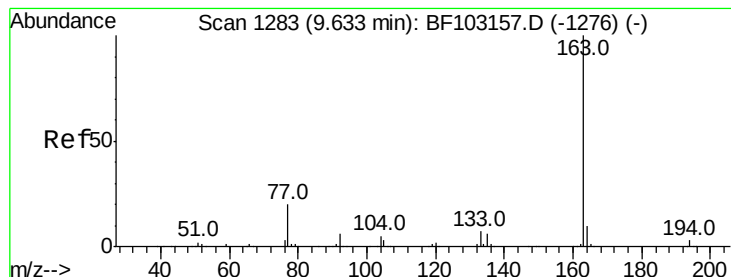
#44
 2-Fluorobiphenyl
 Concen: 67.086 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103423.D
 Acq: 5 Mar 2018 21:49

Tgt Ion:172 Resp: 885699
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.2 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: 5.837 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF103423.D

Acq: 5 Mar 2018 21:49

Instrument :

BNA_F

ClientSampleId :

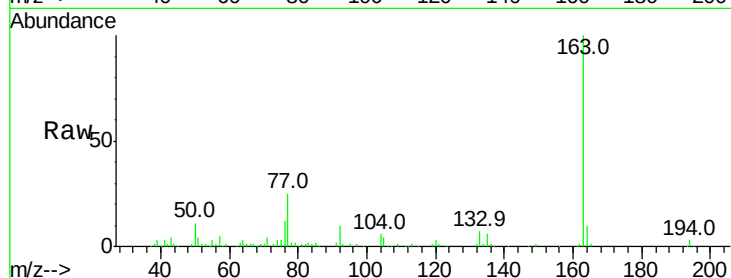
Tot Ion:163 Resp: 101210

Ion Ratio Lower Upper

163 100

194 2.6 2.7 4.1#

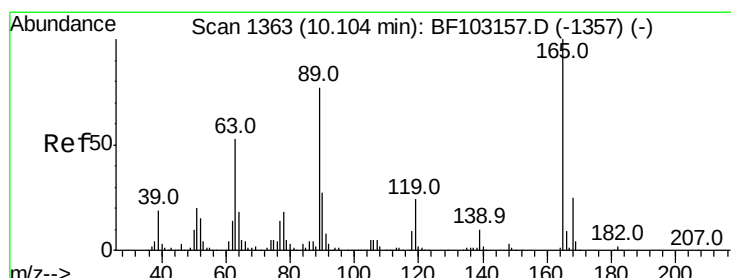
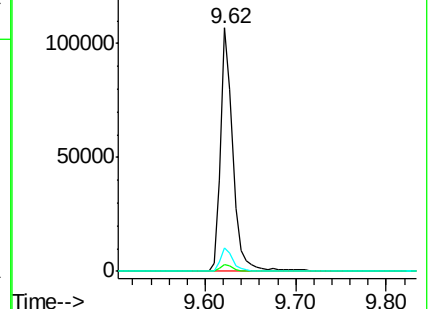
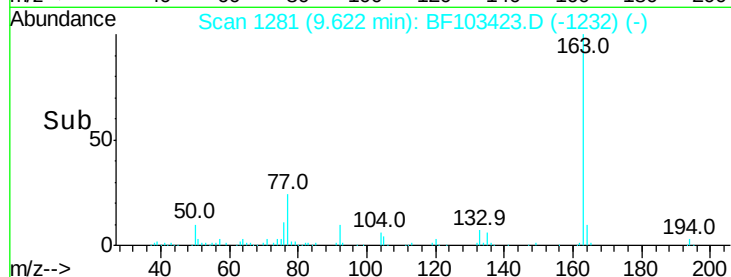
164 9.9 8.2 12.2



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: 6.239 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.20 min

Lab File: BF103423.D

Acq: 5 Mar 2018 21:49

Tgt Ion:165 Resp: 28711

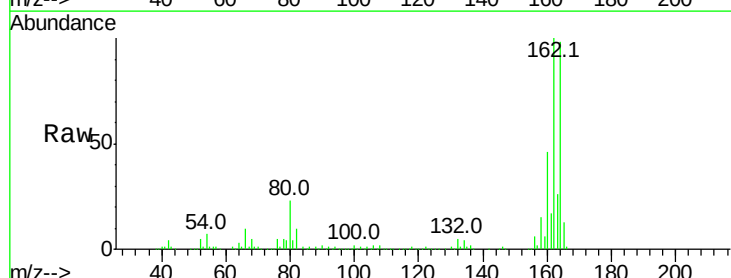
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 2.1 57.8 86.6#

182 0.0 1.6 2.4#

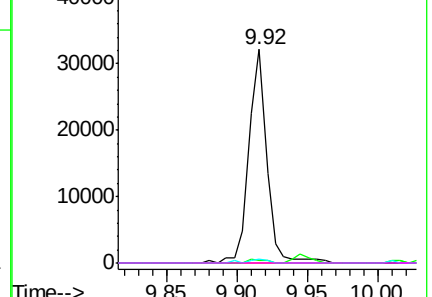
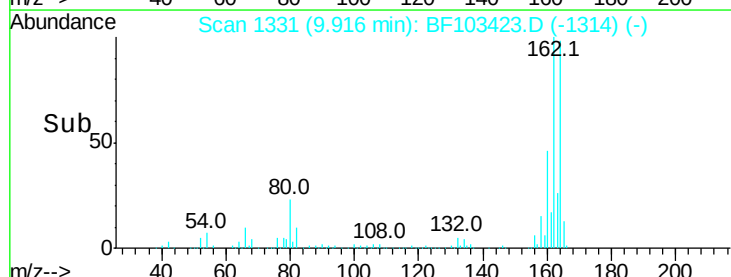


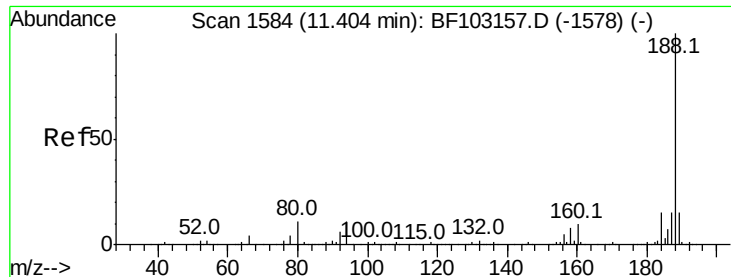
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF103423.D

Acq: 5 Mar 2018 21:49

Instrument :

BNA_F

ClientSampleId :

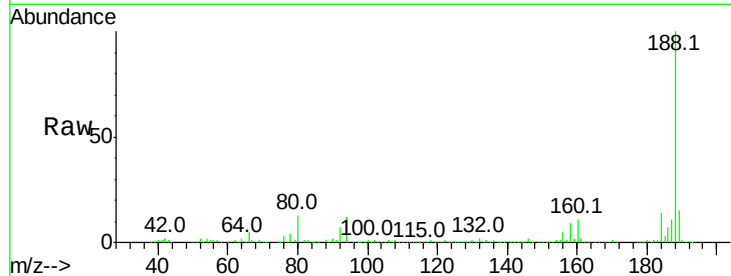
Tot Ion:188 Resp: 339795

Ion Ratio Lower Upper

188 100

94 11.7 8.5 12.7

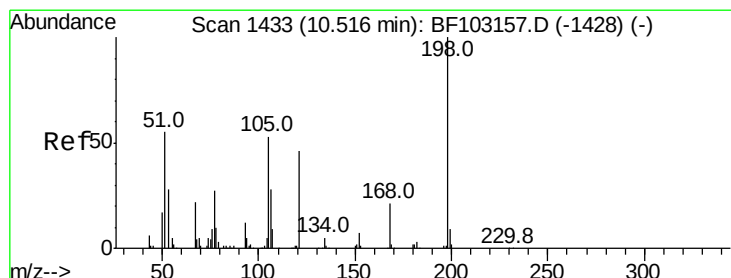
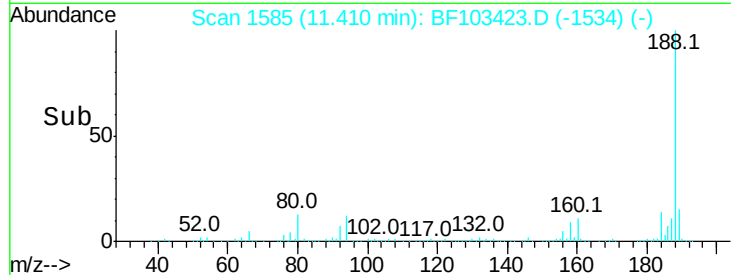
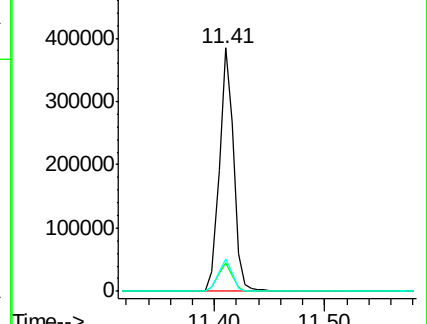
80 13.2 9.2 13.8



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: 5.092 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.18 min

Lab File: BF103423.D

Acq: 5 Mar 2018 21:49

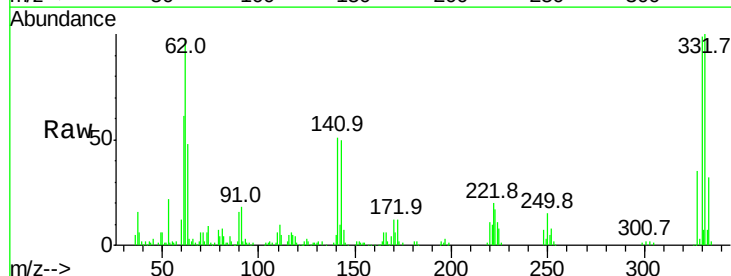
Tgt Ion:198 Resp: 339

Ion Ratio Lower Upper

198 100

51 292.9 37.7 77.7#

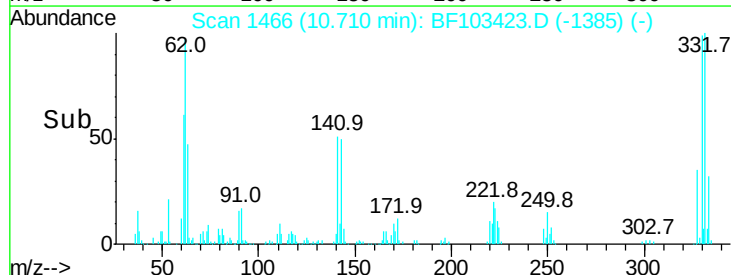
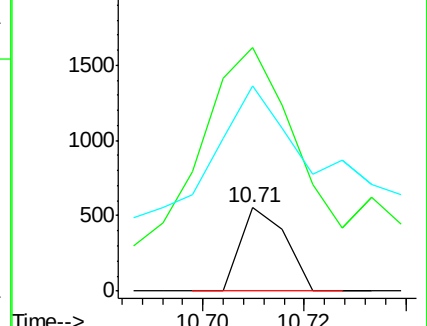
105 246.6 36.3 76.3#

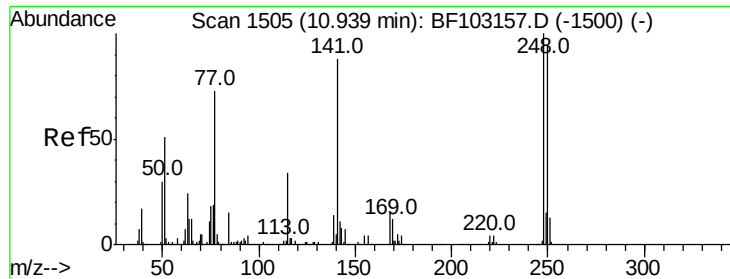


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

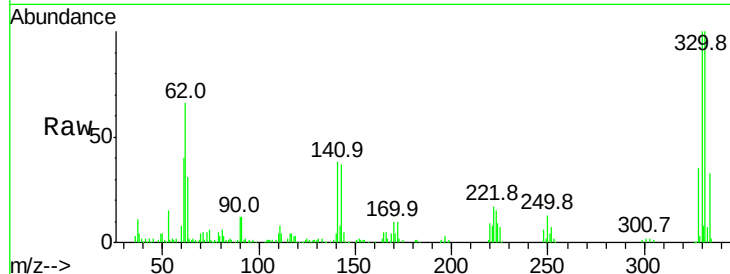




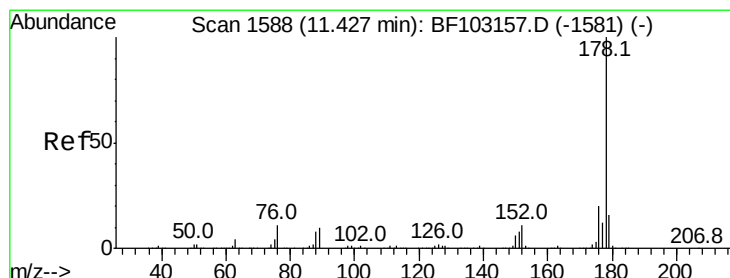
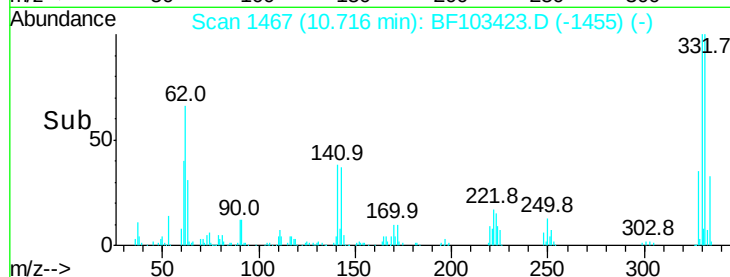
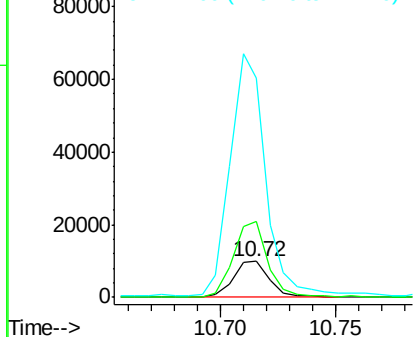
#66
 4-Bromophenyl-phenylether
 Concen: 3.067 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.23 min
 Lab File: BF103423.D
 Acq: 5 Mar 2018 21:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10855
 Ion Ratio Lower Upper
 248 100
 250 212.0 76.9 115.3#
 141 607.1 74.4 111.6#

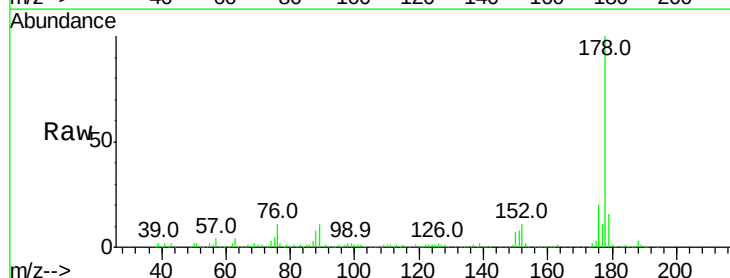


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

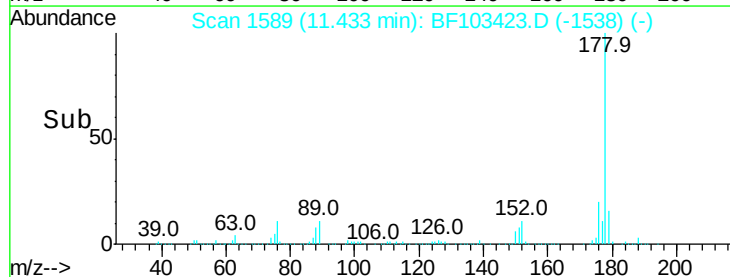
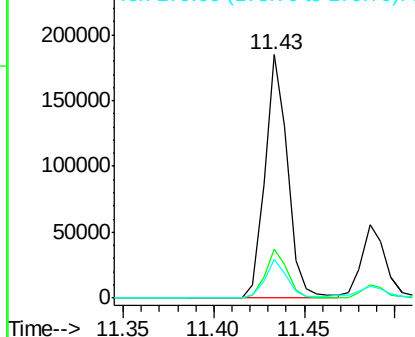


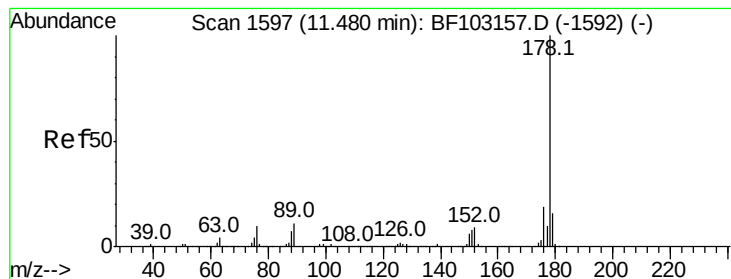
#70
 Phenanthrene
 Concen: 8.617 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF103423.D
 Acq: 5 Mar 2018 21:49

Tgt Ion:178 Resp: 161131
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.8 23.8
 179 16.0 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: 2.956 ng

RT: 11.49 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BF103423.D

Acq: 5 Mar 2018 21:49

Instrument :

BNA_F

ClientSampleId :

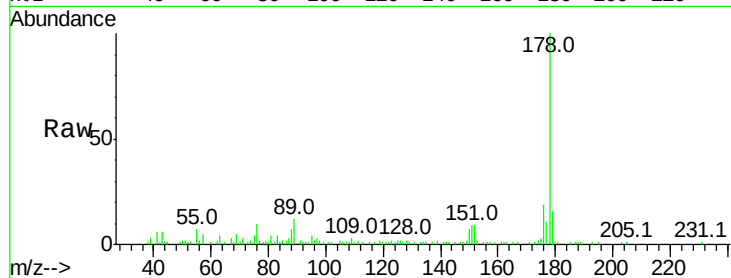
Tot Ion:178 Resp: 56683

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

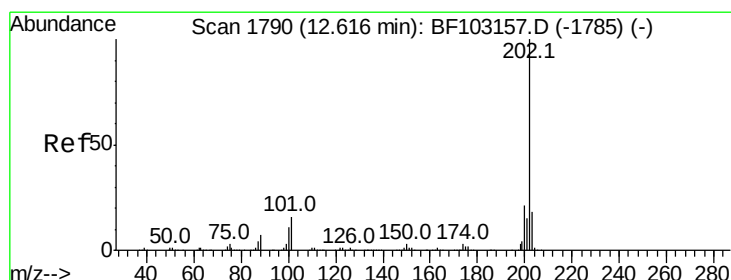
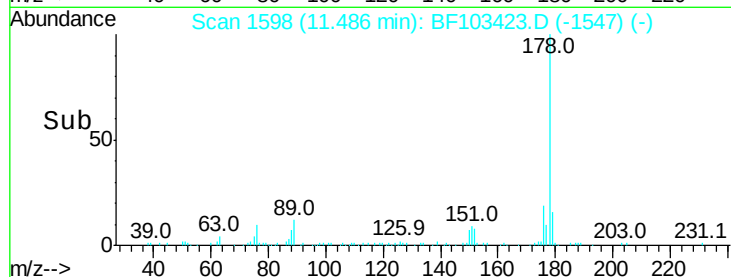
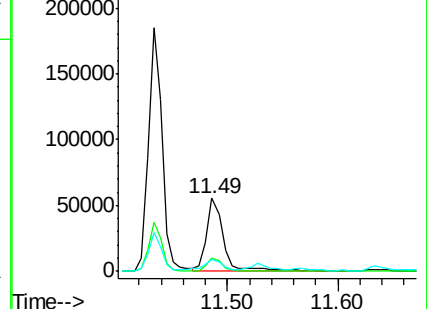
179 16.3 12.6 19.0



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: 15.840 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF103423.D

Acq: 5 Mar 2018 21:49

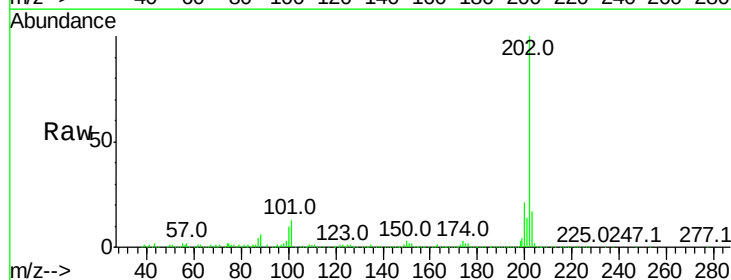
Tgt Ion:202 Resp: 297655

Ion Ratio Lower Upper

202 100

101 13.1 0.0 34.1

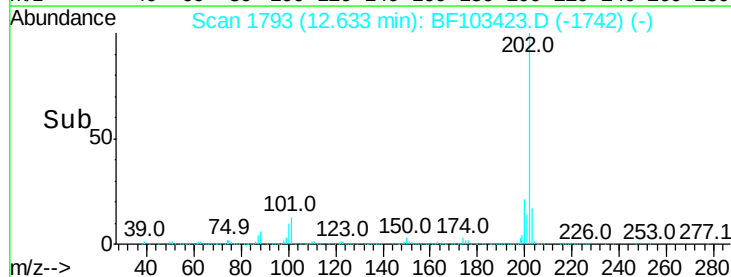
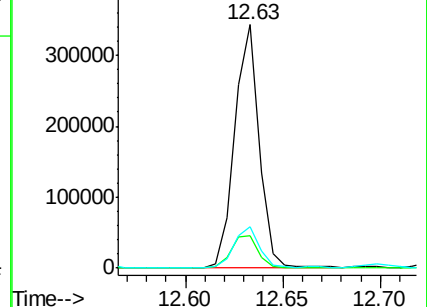
203 16.8 0.0 38.1

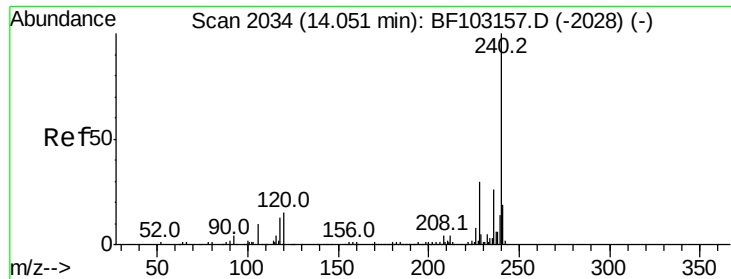


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.07 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BF103423.D

Acq: 5 Mar 2018 21:49

Instrument :

BNA_F

ClientSampleId :

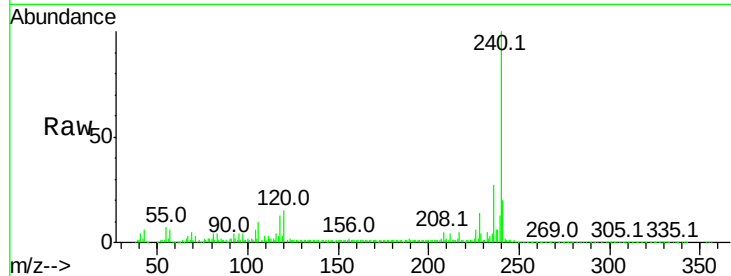
Tot Ion:240 Resp: 206572

Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

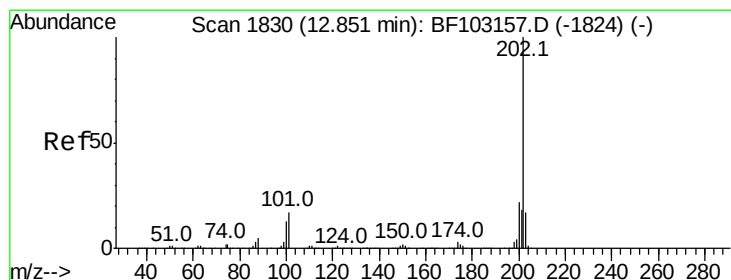
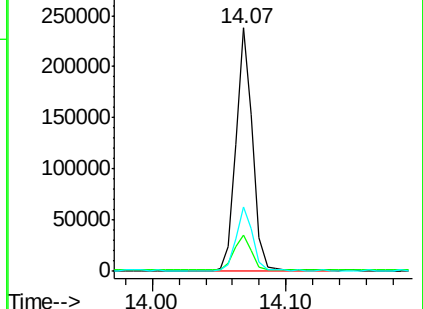
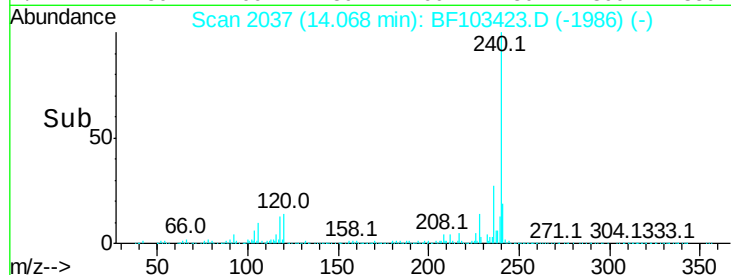
236 26.7 20.7 31.1



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

Pyrene

Concen: 17.238 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF103423.D

Acq: 5 Mar 2018 21:49

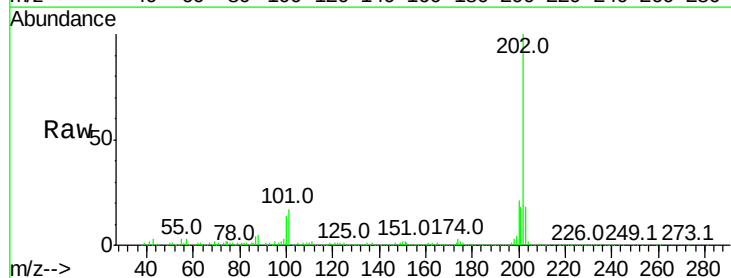
Tgt Ion:202 Resp: 277634

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

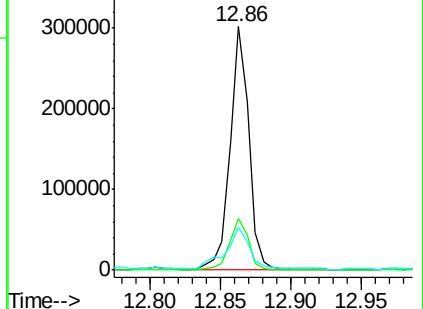
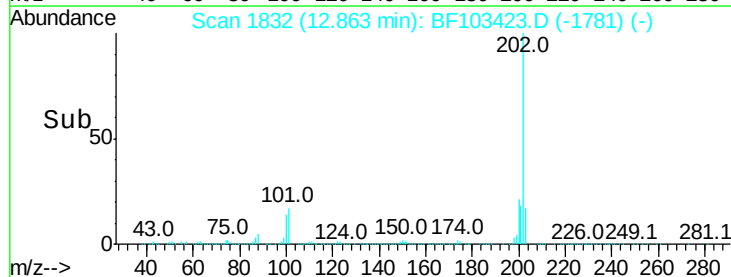
203 17.5 14.3 21.5

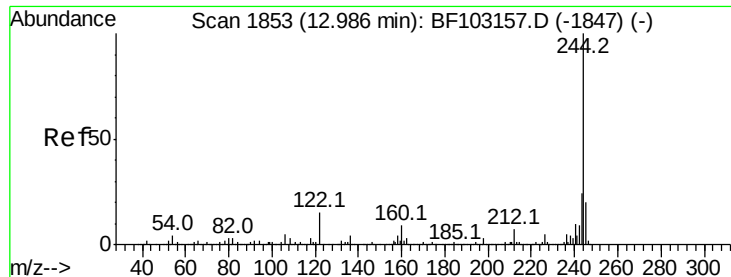


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 71.745 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BF103423.D

Acq: 5 Mar 2018 21:49

Instrument :

BNA_F

ClientSampleId :

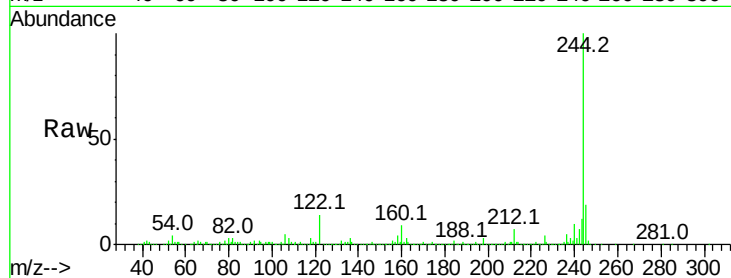
Tot Ion:244 Resp: 616530

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

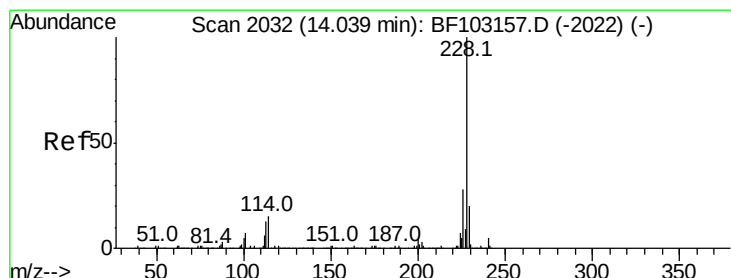
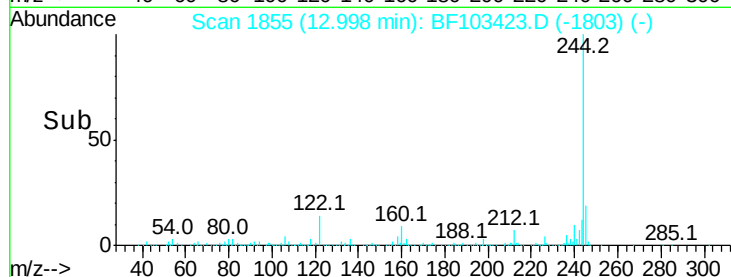
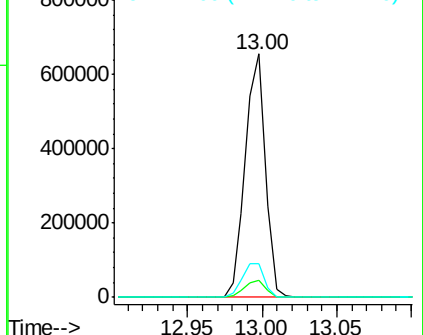
122 13.7 11.0 16.4



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: 10.164 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103423.D

Acq: 5 Mar 2018 21:49

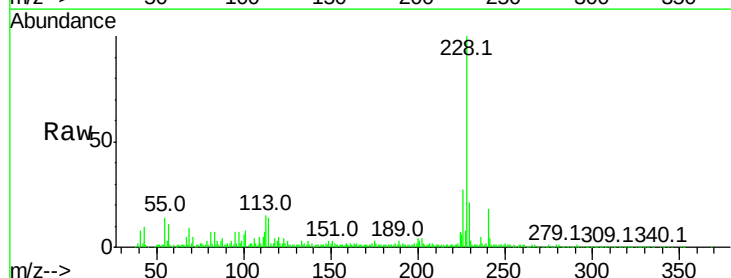
Tgt Ion:228 Resp: 136230

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

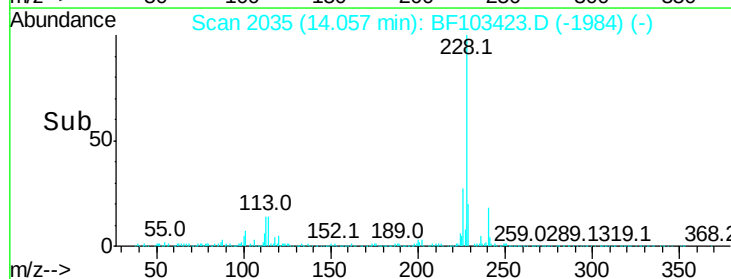
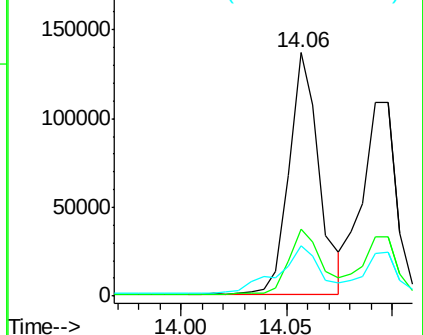
229 20.7 15.8 23.6

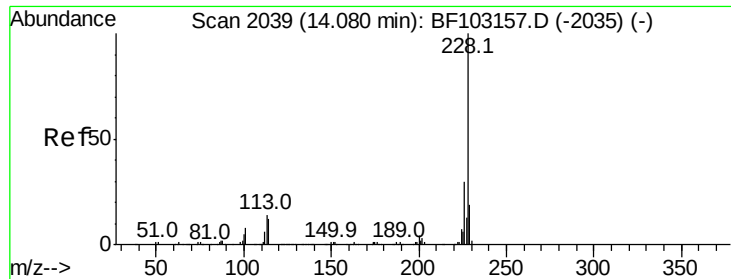


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

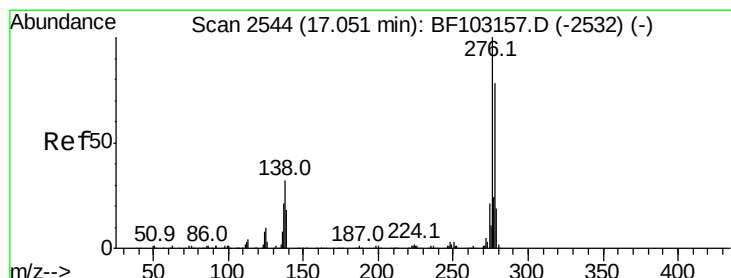
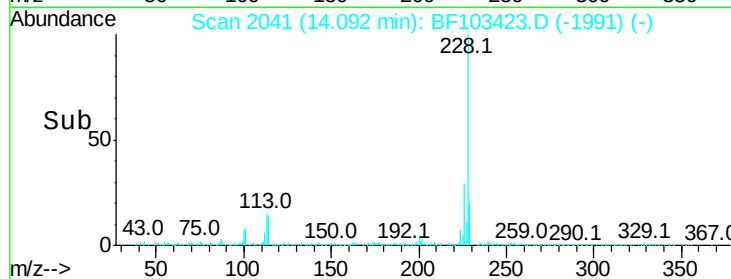
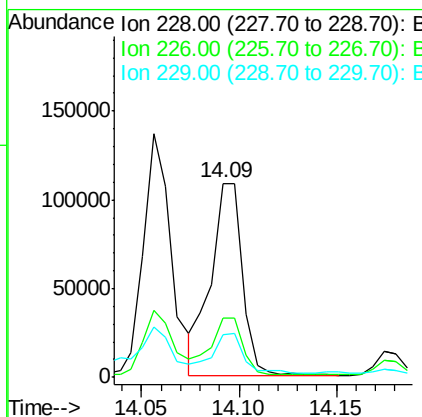
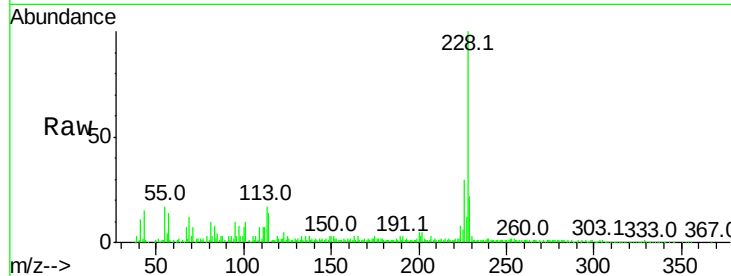




#82
Chrysene
Concen: 9.436 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103423.D
Acq: 5 Mar 2018 21:49

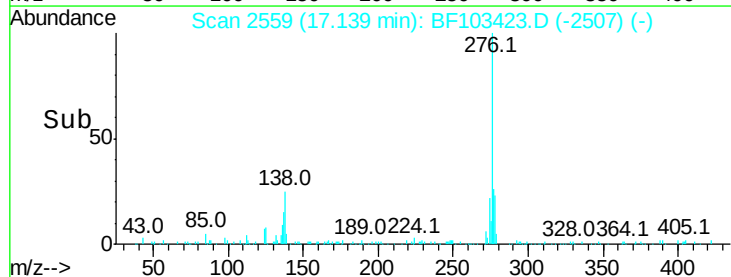
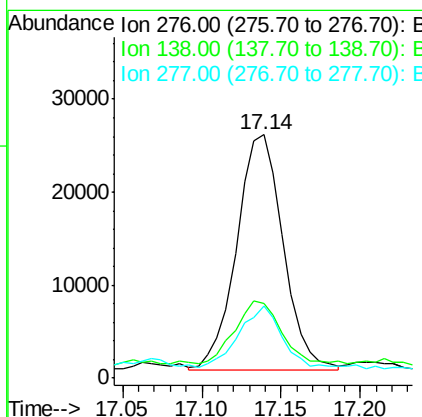
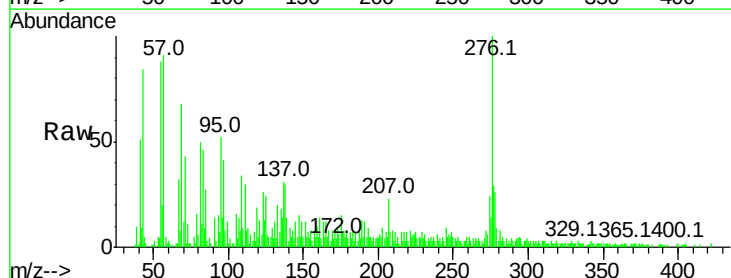
Instrument :
BNA_F
ClientSampleId :

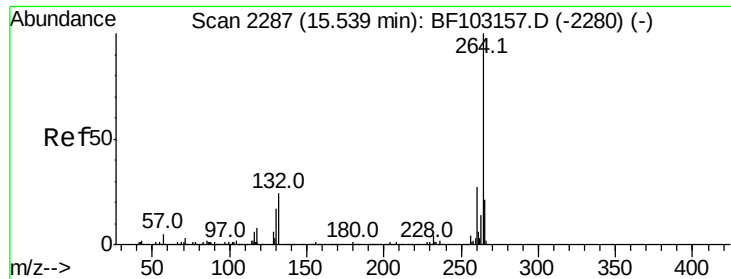
Tot Ion:228 Resp: 122805
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.6
229 21.7 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 5.017 ng
RT: 17.14 min Scan# 2559
Delta R.T. 0.01 min
Lab File: BF103423.D
Acq: 5 Mar 2018 21:49

Tgt Ion:276 Resp: 51685
Ion Ratio Lower Upper
276 100
138 26.2 25.0 37.6
277 26.8 20.1 30.1



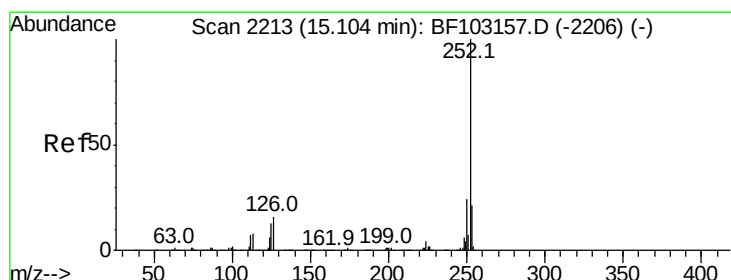
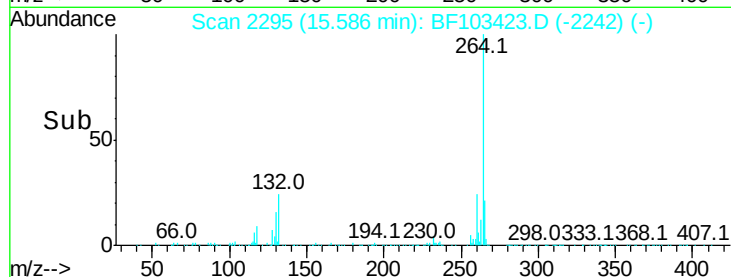
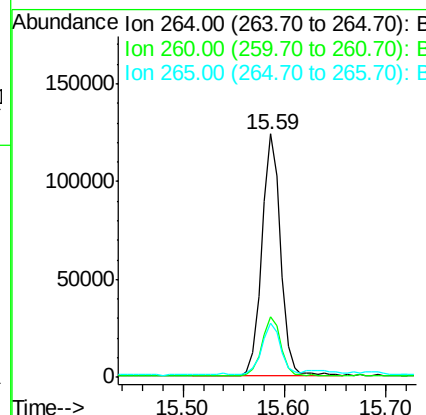
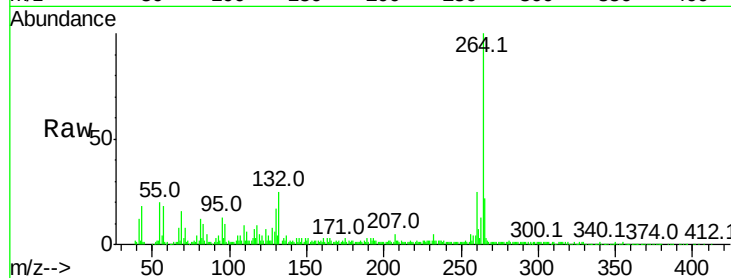


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF103423.D
Acq: 5 Mar 2018 21:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 158346

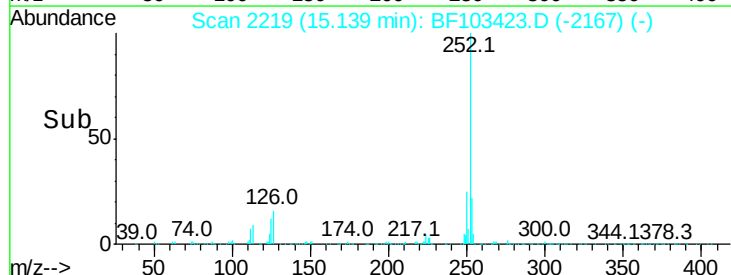
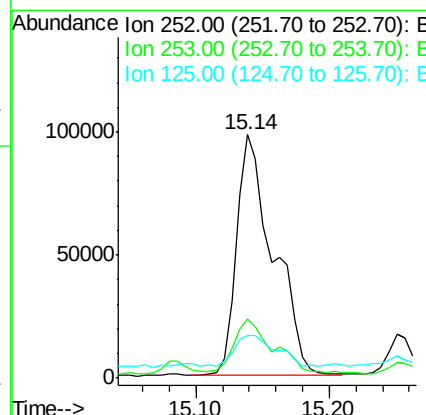
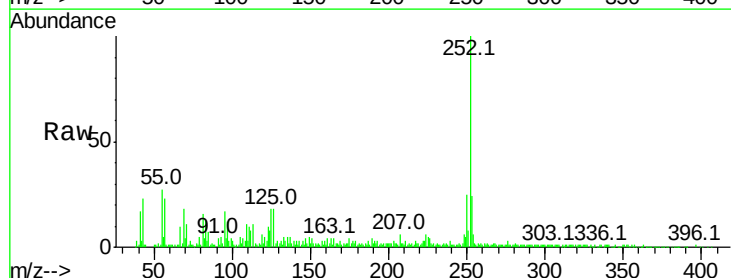
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	22.0	17.5	26.3

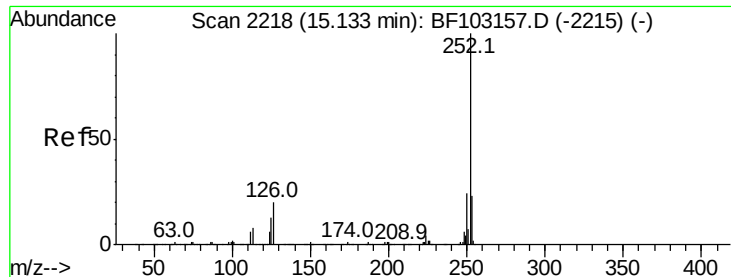


#87
Benzo(b)fluoranthene
Concen: 18.020 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF103423.D
Acq: 5 Mar 2018 21:49

Tgt Ion:252 Resp: 187604

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	17.6	9.0	13.6

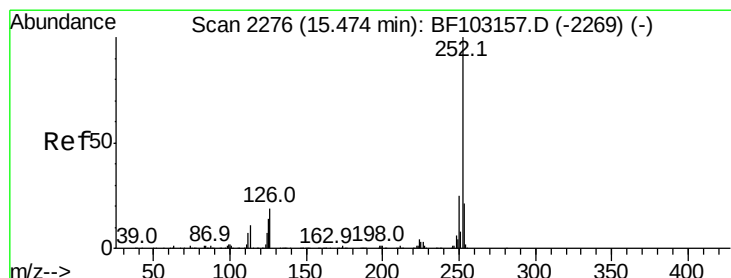
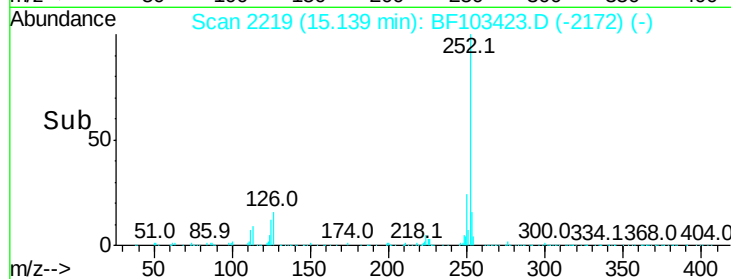
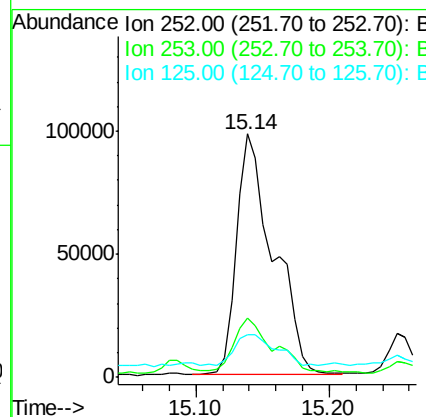
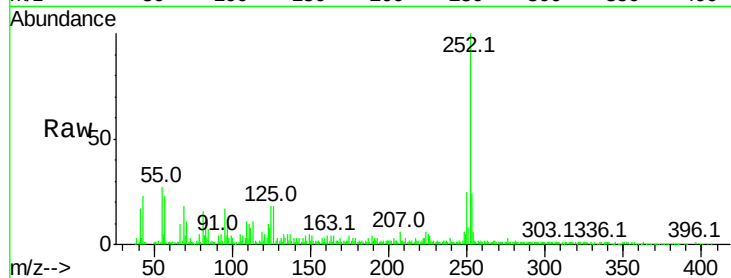




#88
Benzo(k)fluoranthene
Concen: 19.136 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.02 min
Lab File: BF103423.D
Acq: 5 Mar 2018 21:49

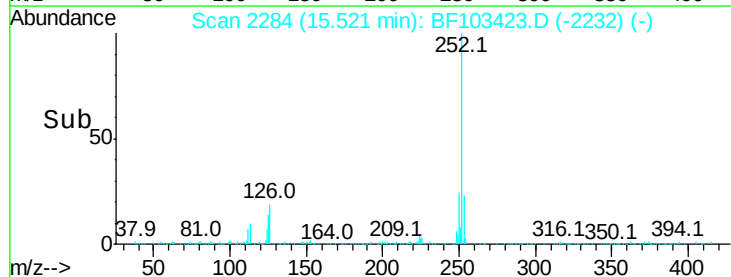
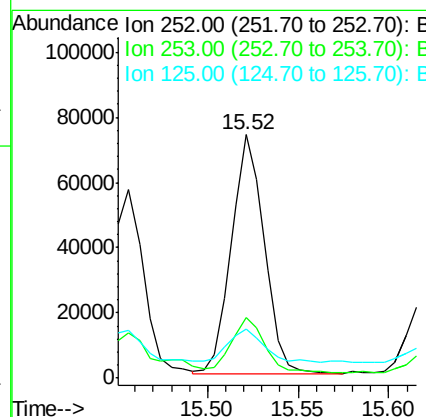
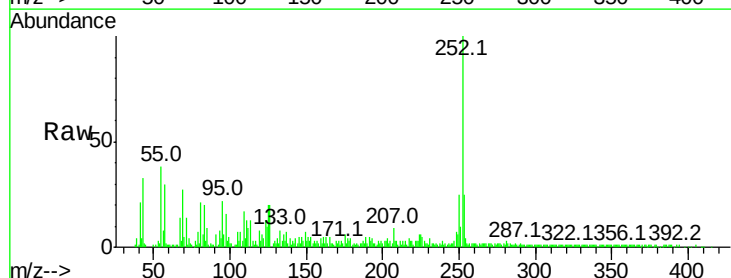
Instrument :
BNA_F
ClientSampled :

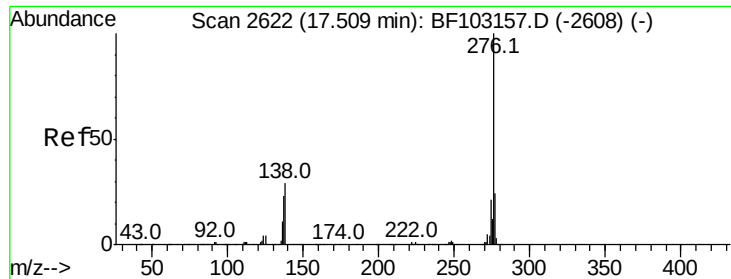
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	17.6	10.2	15.2



#89
Benzo(a)pyrene
Concen: 10.035 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF103423.D
Acq: 5 Mar 2018 21:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	19.9	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 7.200 ng

RT: 17.62 min Scan# 2640

Delta R.T. 0.02 min

Lab File: BF103423.D

Acq: 5 Mar 2018 21:49

Instrument :

BNA_F

ClientSampleId :

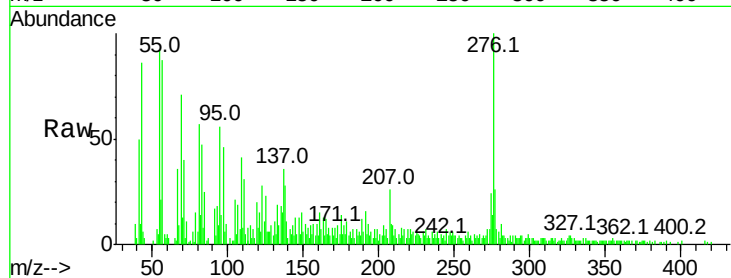
Tot Ion:276 Resp: 50552

Ion Ratio Lower Upper

276 100

277 25.7 17.9 26.9

138 28.0 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

