

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
 Data File : BF104020.D
 Acq On : 28 Mar 2018 19:50
 Operator : JU/SJ
 Sample : J2100-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 29 01:52:23 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	124773	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	516633	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	231640	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	355015	20.00	ng	0.00
75) Chrysene-d12	14.16	240	231280	20.00	ng	0.00
86) Perylene-d12	15.70	264	212209	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	800590	102.32	ng	0.00
7) Phenol-d6	6.60	99	1039531	107.99	ng	0.00
23) Nitrobenzene-d5	7.53	82	602525	71.32	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	216835	84.07	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	799869	54.45	ng	0.00
78) Terphenyl-d14	13.08	244	501039	50.02	ng	0.00

Target Compounds

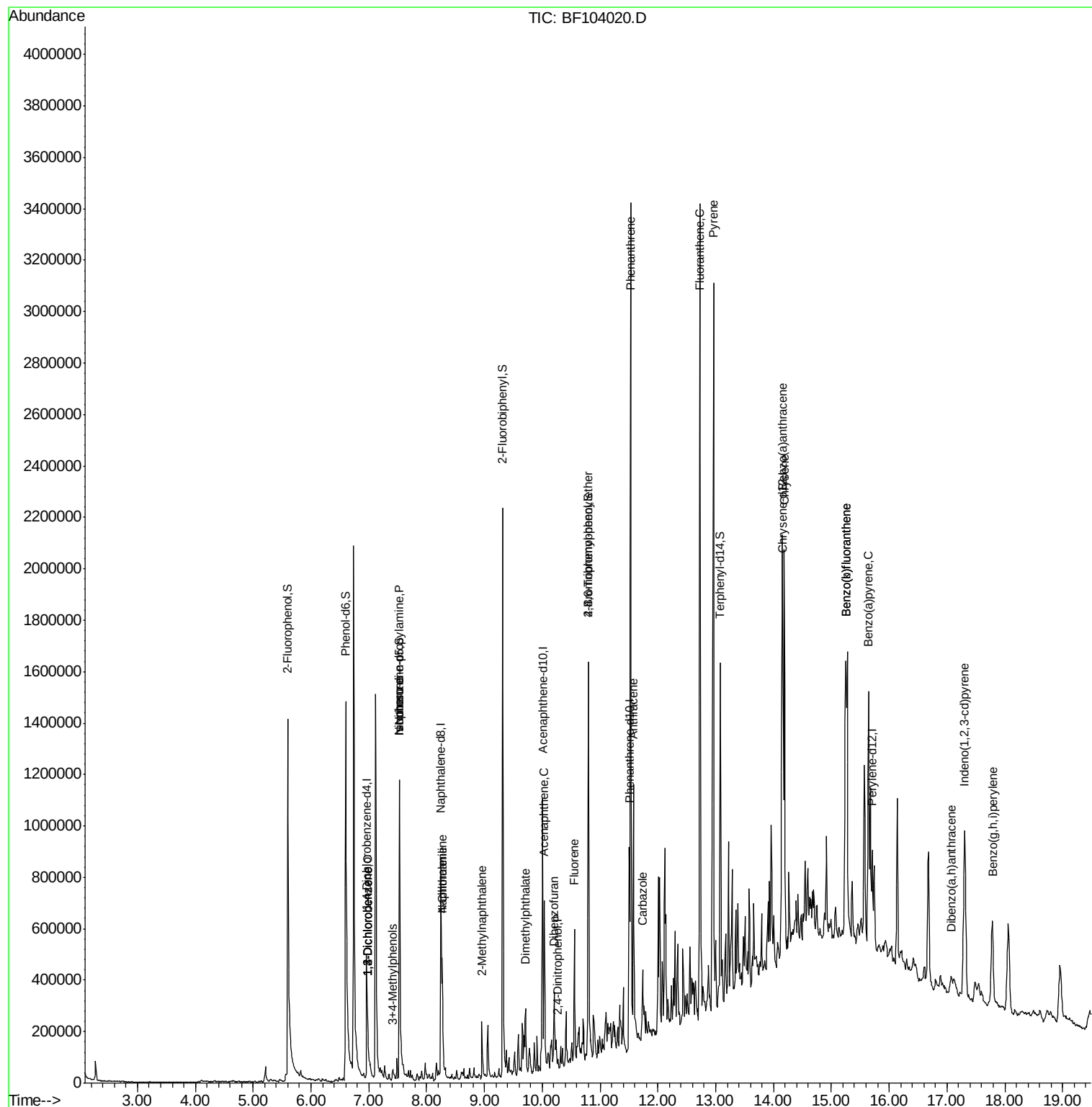
						Qvalue
9) Benzaldehyde	6.52	77	1140	Below Cal	#	1
12) 1,3-Dichlorobenzene	6.99	146	32598	3.379 ng	#	95
13) 1,4-Dichlorobenzene	6.99	146	32598	3.153 ng		98
14) 1,2-Dichlorobenzene	6.99	146	32598	3.508 ng		96
19) n-Nitroso-di-n-propylamine	7.53	70	76806	13.445 ng	#	74
20) 3+4-Methylphenols	7.41	107	25770	2.891 ng	#	51
25) Isophorone	7.53	82	602525	38.701 ng	#	64
31) Naphthalene	8.27	128	239387	9.485 ng		99
33) 4-Chloroaniline	8.27	127	31563	2.966 ng	#	36
37) 2-Methylnaphthalene	8.96	142	79728	4.796 ng		99
49) Dimethylphthalate	9.71	163	113715	6.218 ng		100
51) Acenaphthene	10.03	154	153821	11.192 ng		99
53) 2,4-Dinitrophenol	10.27	184	1268	6.259 ng	#	18
54) Dibenzofuran	10.21	168	131971	6.575 ng		100
57) Fluorene	10.56	166	180391	10.896 ng		99
66) 4-Bromophenyl-phenylether	10.80	248	13259	3.491 ng	#	1
70) Phenanthrene	11.53	178	1540552	80.150 ng		99
71) Anthracene	11.58	178	490846	24.448 ng		98
72) Carbazole	11.74	167	135390	7.066 ng		98
74) Fluoranthene	12.73	202	1551595	75.944 ng		99
77) Pyrene	12.96	202	1523107	91.611 ng		99
80) Benzo(a)anthracene	14.15	228	687566	47.511 ng		98
82) Chrysene	14.19	228	629017	44.377 ng		98
85) Indeno(1,2,3-cd)pyrene	17.30	276	305973	20.831 ng	#	91
87) Benzo(b)fluoranthene	15.24	252	1006177	77.909 ng	#	95
88) Benzo(k)fluoranthene	15.24	252	1006177	82.705 ng		98
89) Benzo(a)pyrene	15.64	252	597031	49.885 ng		97
90) Dibenzo(a,h)anthracene	17.09	278	55335	5.001 ng		92
91) Benzo(g,h,i)perylene	17.79	276	320142	28.885 ng		95

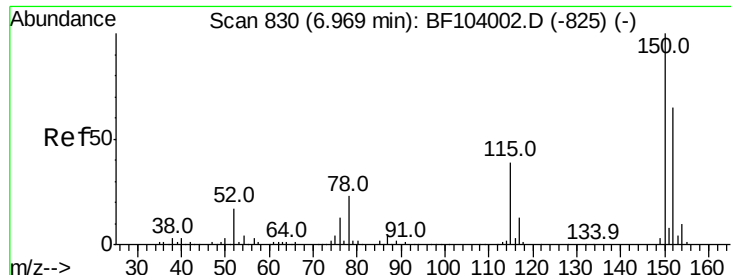
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
Data File : BF104020.D
Acq On : 28 Mar 2018 19:50
Operator : JU/SJ
Sample : J2100-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 29 01:52:23 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 28 13:41:47 2018
Response via : Initial Calibration



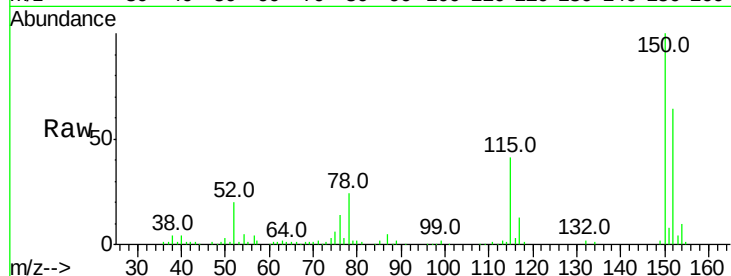


#1

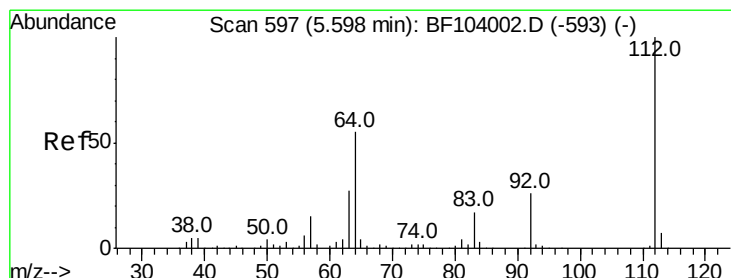
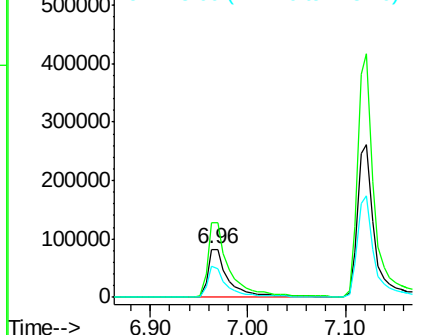
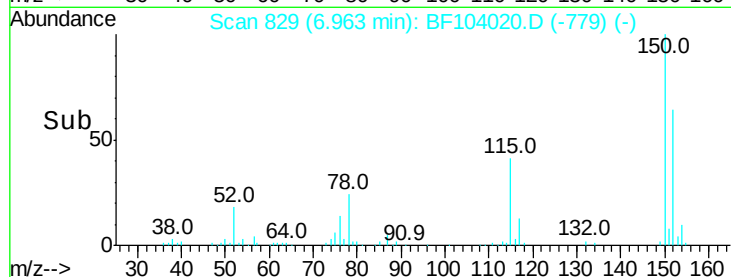
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF104020.D
Acq: 28 Mar 2018 19:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 124773
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 64.0 50.1 75.1



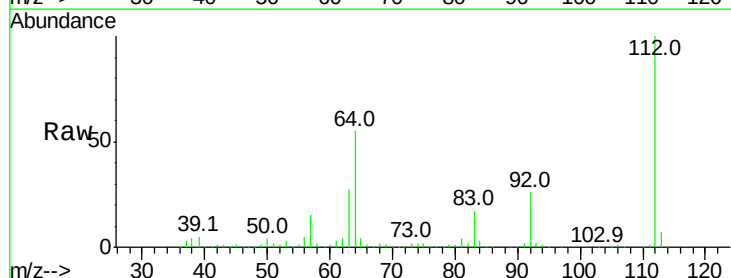
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



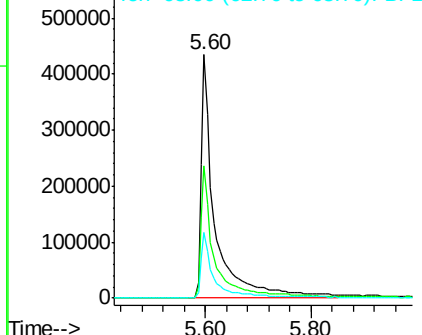
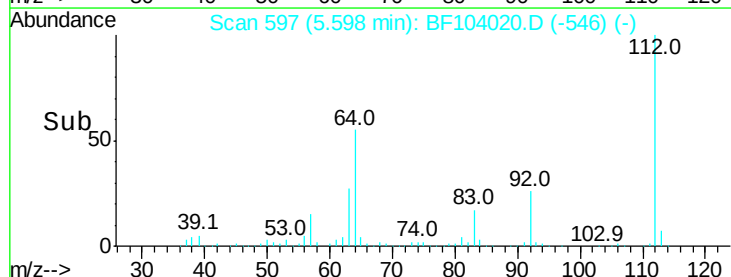
#5

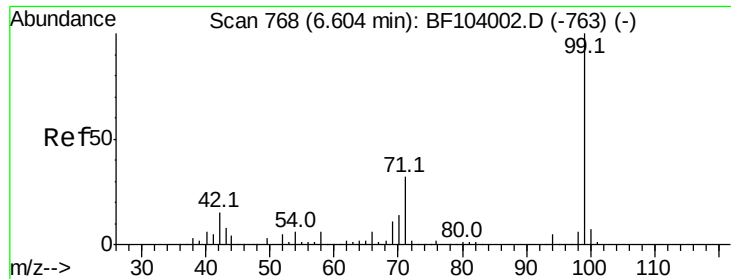
2-Fluorophenol
Concen: 102.325 ng
RT: 5.60 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF104020.D
Acq: 28 Mar 2018 19:50

Tgt Ion:112 Resp: 800590
Ion Ratio Lower Upper
112 100
64 54.6 47.9 71.9
63 27.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 107.993 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

Instrument :

BNA_F

ClientSampleId :

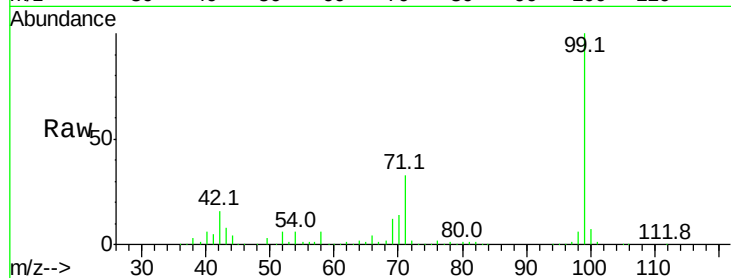
Tot Ion: 99 Resp: 1039531

Ion Ratio Lower Upper

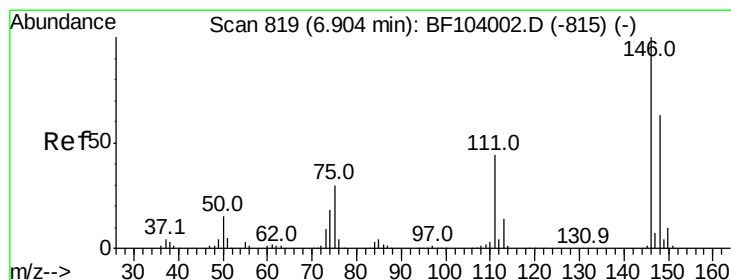
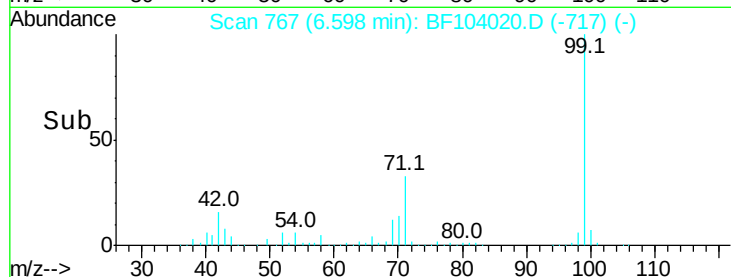
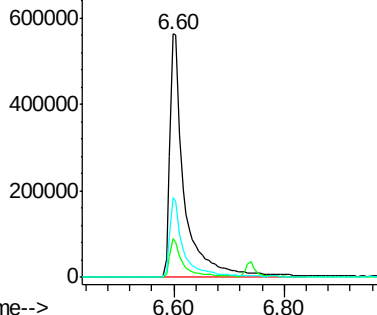
99 100

42 15.8 14.5 21.7

71 33.0 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



#12

1,3-Dichlorobenzene

Concen: 3.379 ng

RT: 6.99 min Scan# 833

Delta R.T. 0.08 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

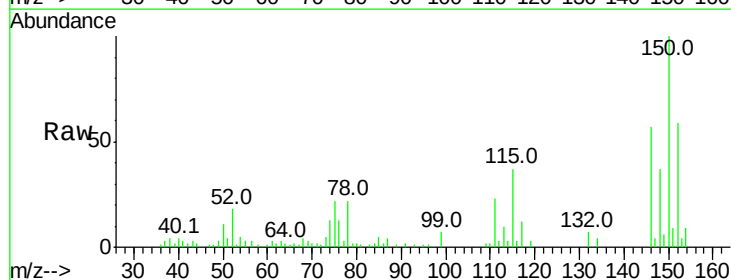
Tgt Ion: 146 Resp: 32598

Ion Ratio Lower Upper

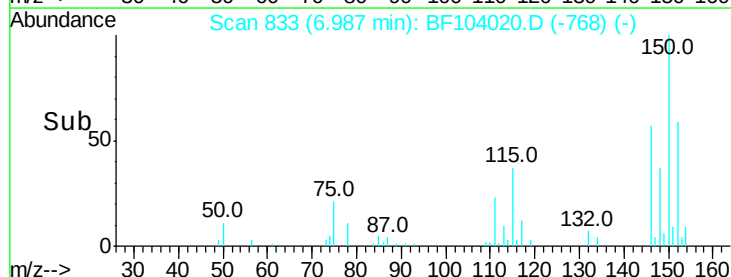
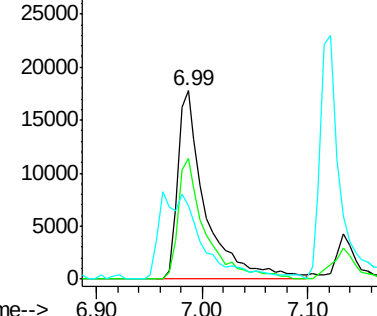
146 100

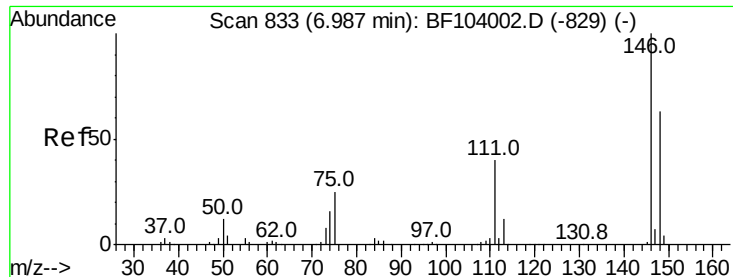
148 64.5 51.8 77.8

75 38.9 24.2 36.4#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1

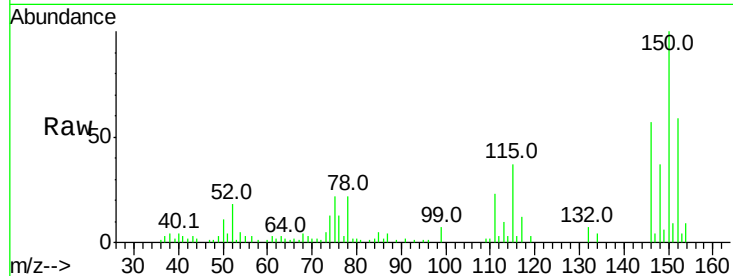




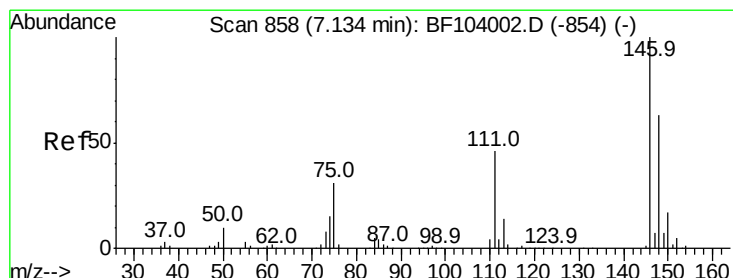
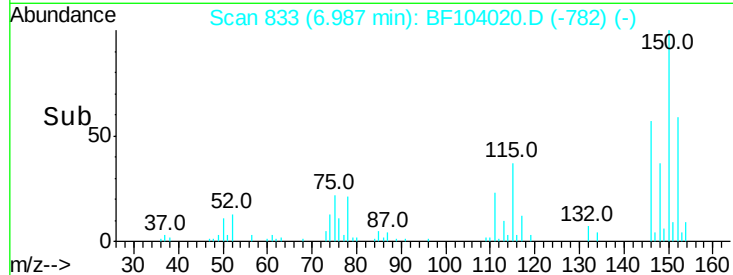
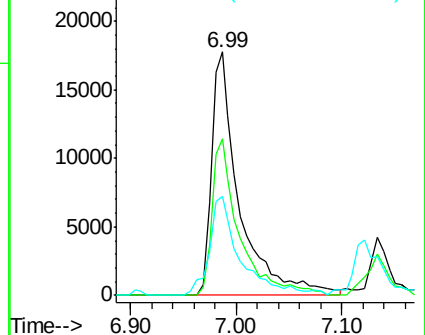
#13
 1,4-Dichlorobenzene
 Concen: 3.153 ng
 RT: 6.99 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: BF104020.D
 Acq: 28 Mar 2018 19:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:146 Resp: 32598
 Ion Ratio Lower Upper
 146 100
 148 64.5 50.8 76.2
 111 40.7 34.2 51.2

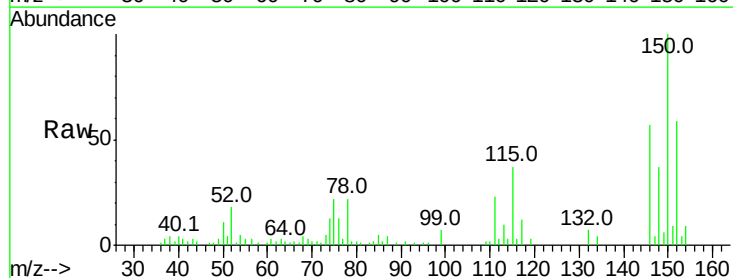


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

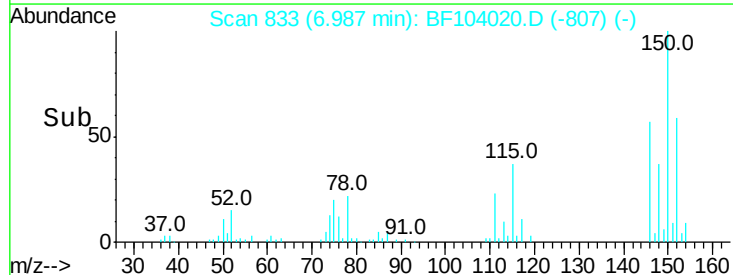
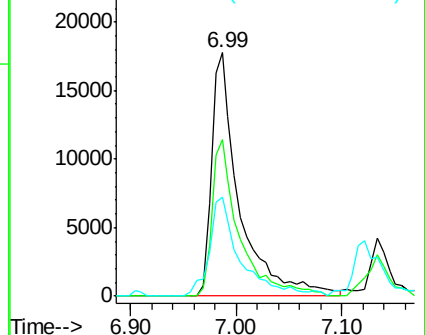


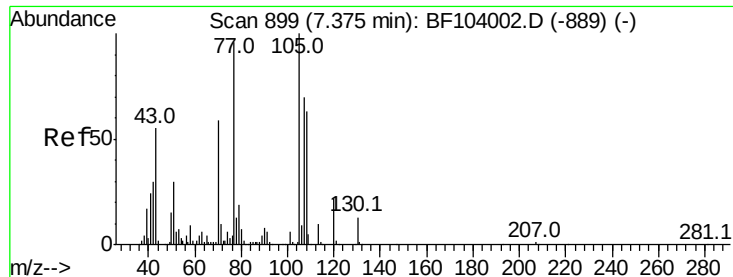
#14
 1,2-Dichlorobenzene
 Concen: 3.508 ng
 RT: 6.99 min Scan# 833
 Delta R.T. -0.15 min
 Lab File: BF104020.D
 Acq: 28 Mar 2018 19:50

Tgt Ion:146 Resp: 32598
 Ion Ratio Lower Upper
 146 100
 148 64.5 50.6 75.8
 111 40.7 36.0 54.0



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

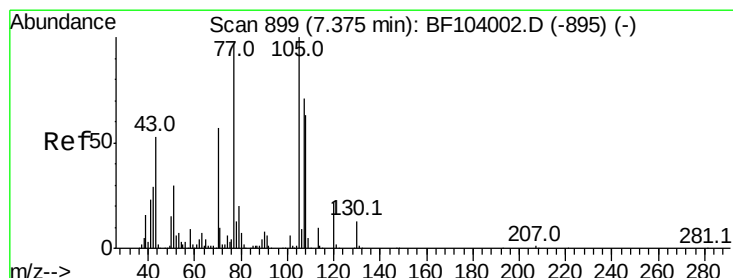
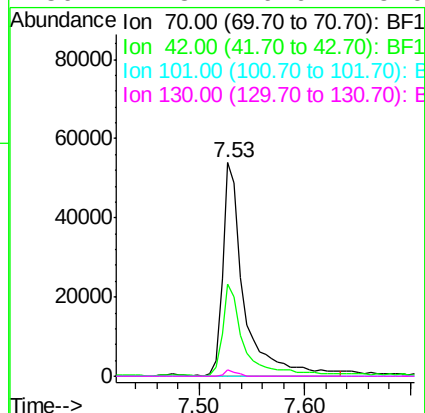
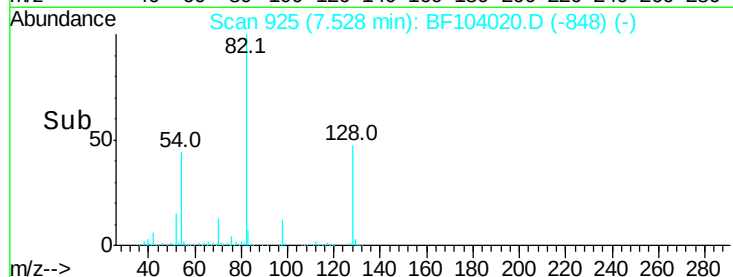
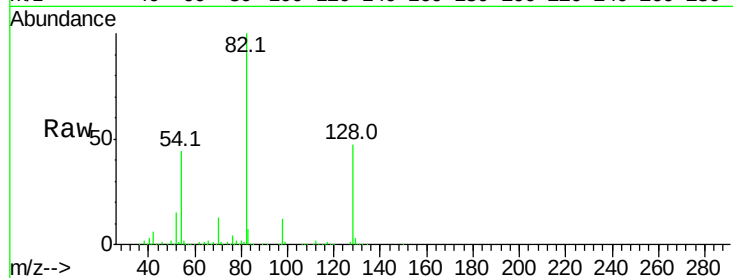




#19
n-Nitroso-di-n-propylamine
Concen: 13.445 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.15 min
Lab File: BF104020.D
Acq: 28 Mar 2018 19:50

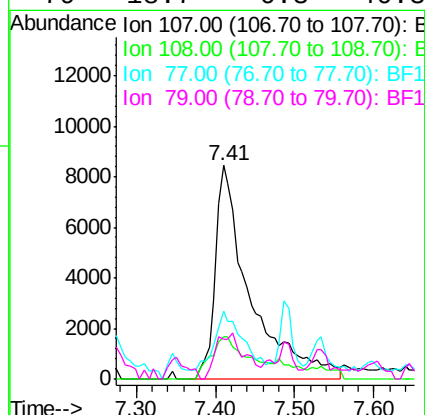
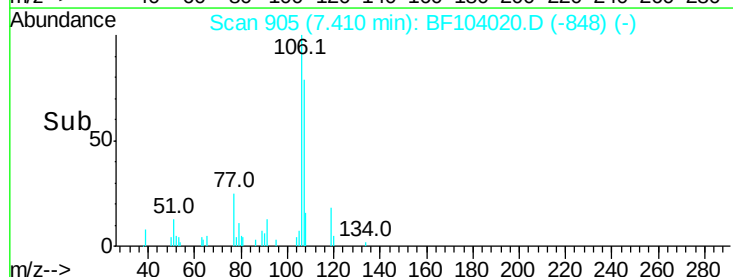
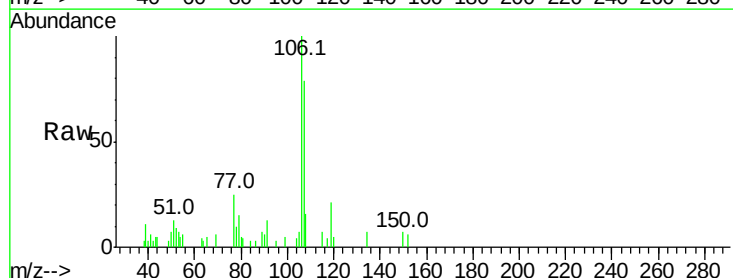
Instrument :
BNA_F
ClientSampled :

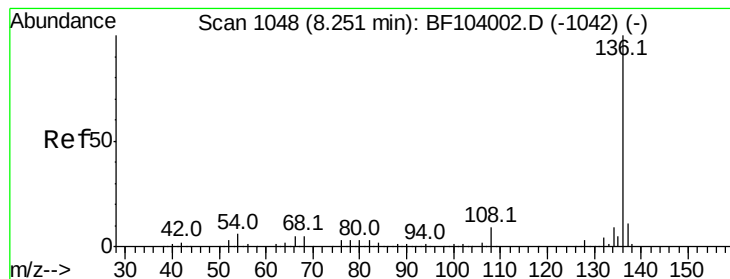
Tot Ion:	70	Resp:	76806
Ion	Ratio	Lower	Upper
70	100		
42	43.1	47.5	71.3#
101	0.0	7.4	11.2#
130	2.8	16.6	25.0#



#20
3+4-Methylphenols
Concen: 2.891 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.04 min
Lab File: BF104020.D
Acq: 28 Mar 2018 19:50

Tgt Ion:	107	Resp:	25770
Ion	Ratio	Lower	Upper
107	100		
108	20.0	68.2	108.2#
77	31.9	26.7	66.7
79	18.7	6.3	46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 516633

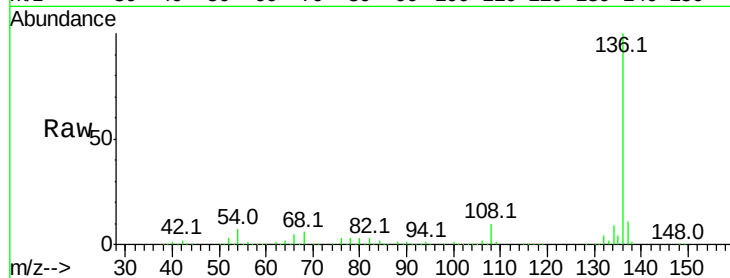
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 6.7 6.6 9.8

68 5.9 5.0 7.4

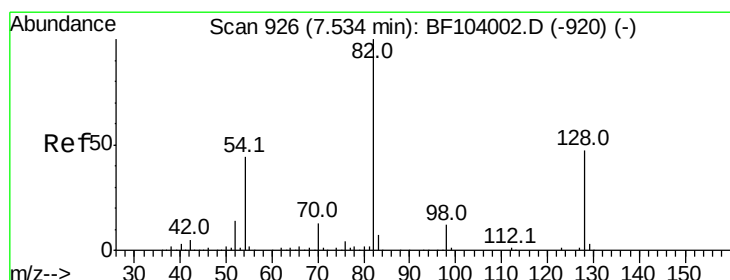
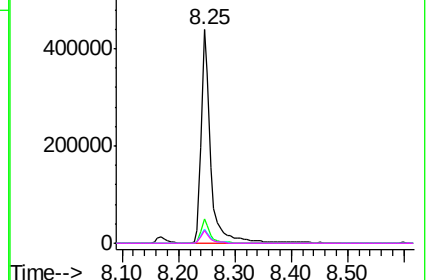
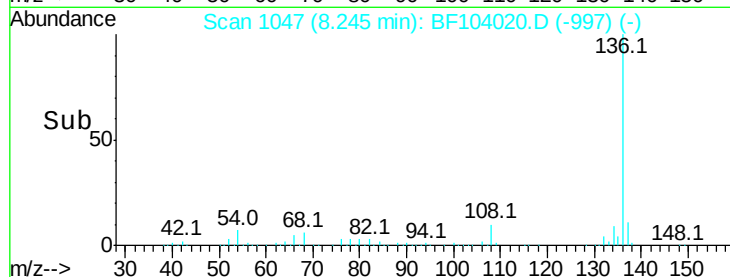


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.323 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

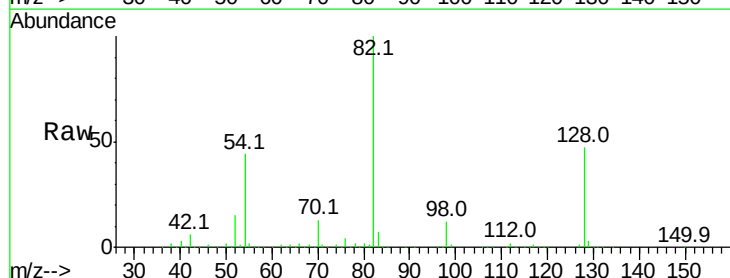
Tgt Ion: 82 Resp: 602525

Ion Ratio Lower Upper

82 100

128 46.9 36.1 54.1

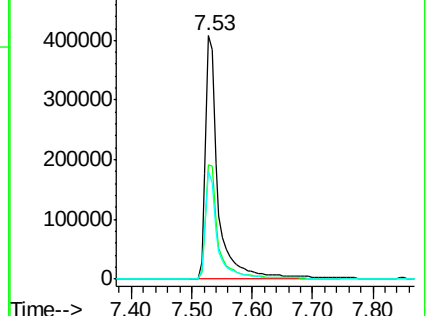
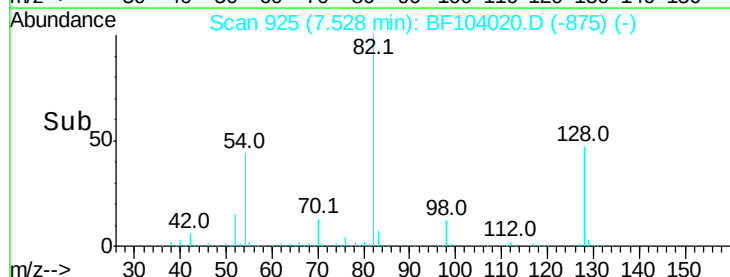
54 44.5 41.4 62.2

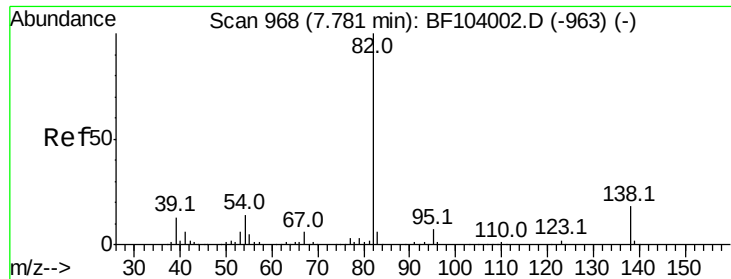


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.701 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.25 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

Instrument :

BNA_F

ClientSampleId :

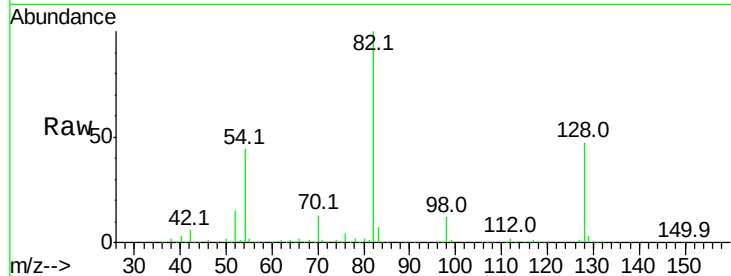
Tot Ion: 82 Resp: 602525

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

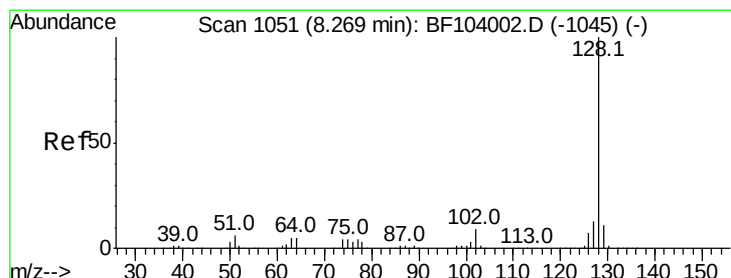
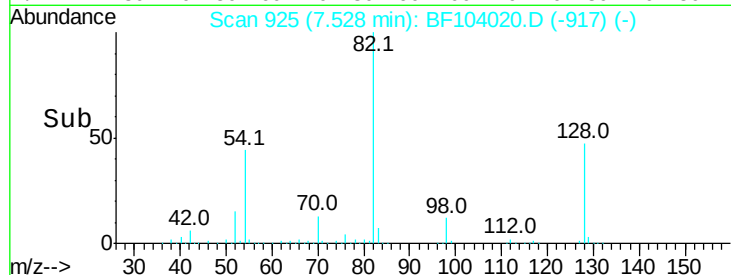
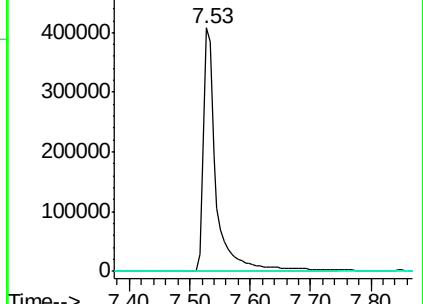
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 9.485 ng

RT: 8.27 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

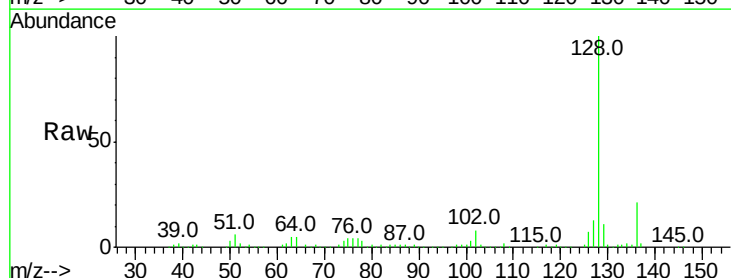
Tgt Ion: 128 Resp: 239387

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

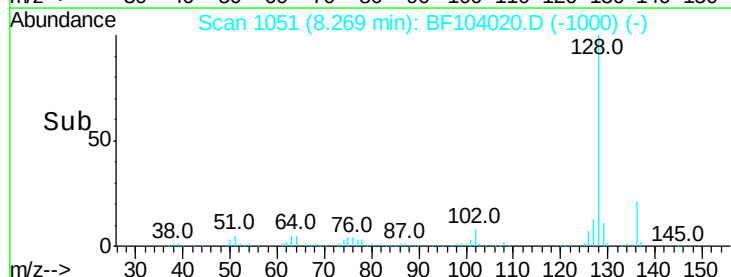
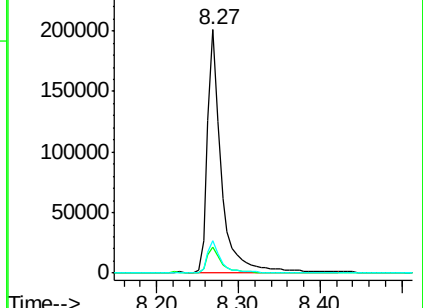
127 13.4 10.9 16.3

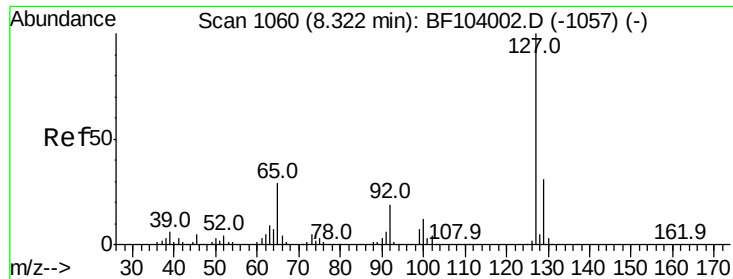


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

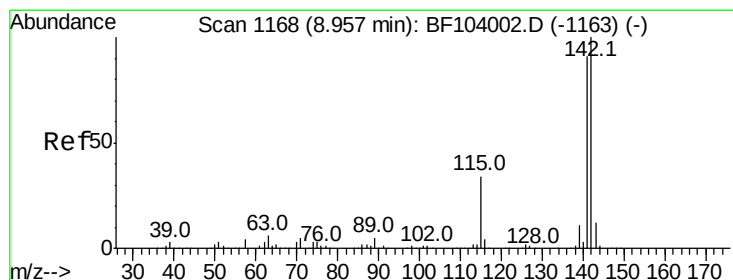
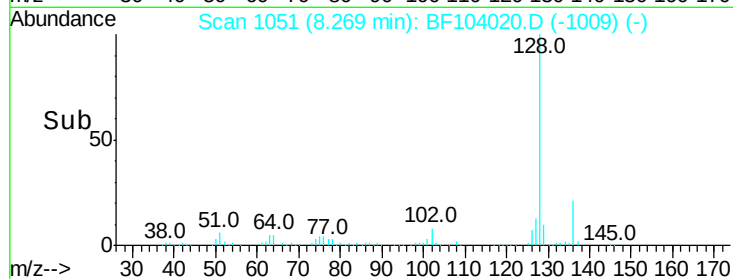
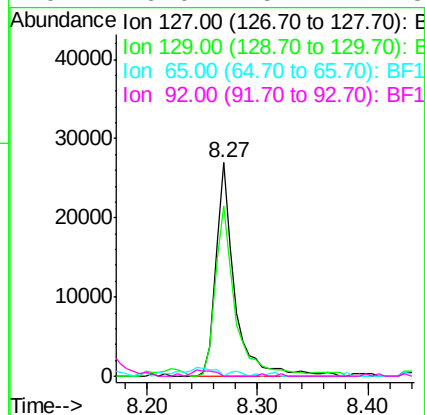
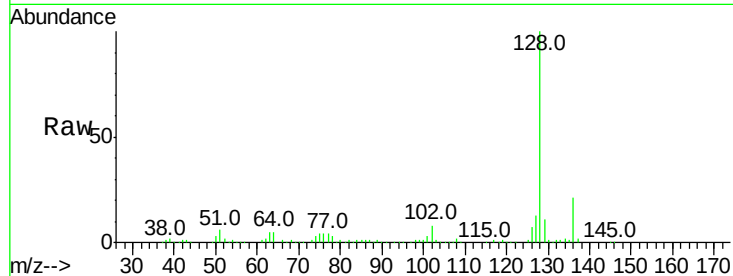




#33
 4-Chloroaniline
 Concen: 2.966 ng
 RT: 8.27 min Scan# 1051
 Delta R.T. -0.05 min
 Lab File: BF104020.D
 Acq: 28 Mar 2018 19:50

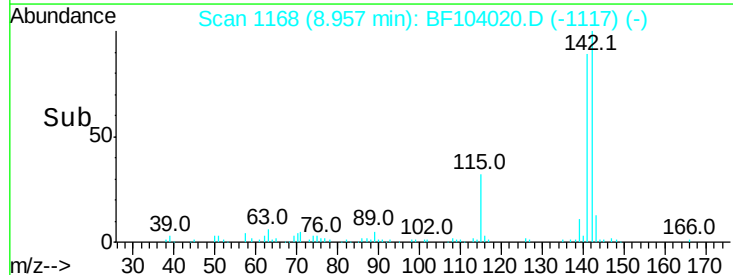
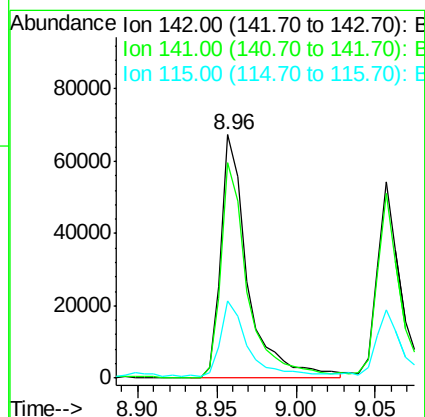
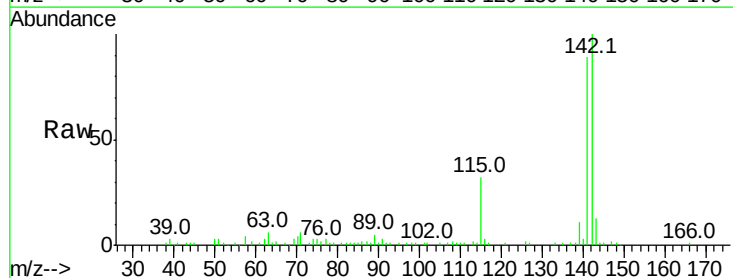
Instrument :
 BNA_F
 ClientSampleId :

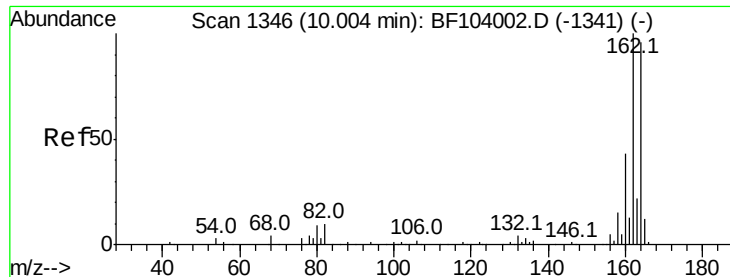
Tot Ion:	127	Resp:	31563
Ion	Ratio	Lower	Upper
127	100		
129	79.6	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
 2-Methylnaphthalene
 Concen: 4.796 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. -0.00 min
 Lab File: BF104020.D
 Acq: 28 Mar 2018 19:50

Tgt Ion:	142	Resp:	79728
Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.8	106.2
115	31.8	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

Instrument :

BNA_F

ClientSampleId :

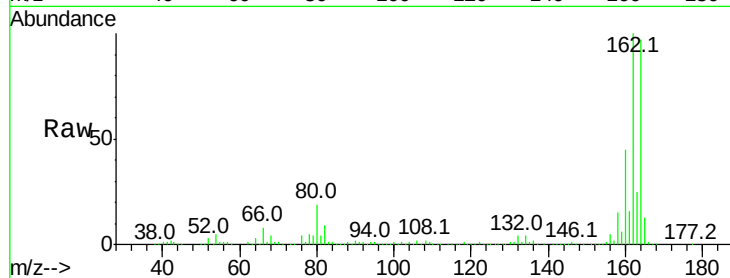
Tot Ion:164 Resp: 231640

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

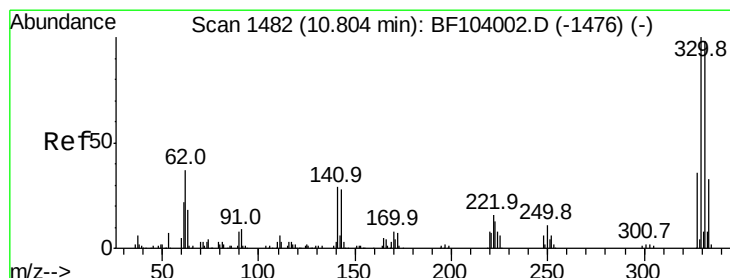
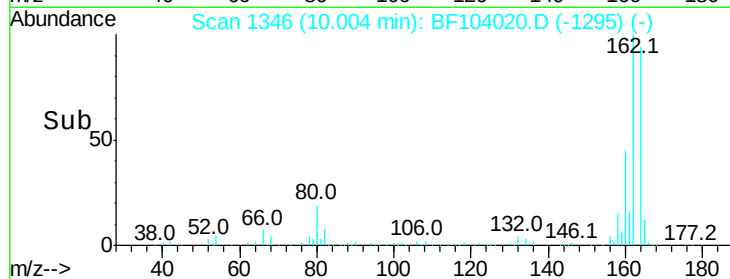
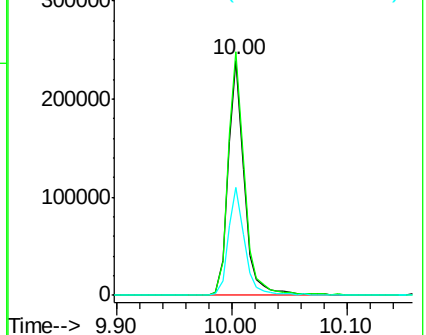
160 46.1 38.3 57.5



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: 84.067 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.01 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

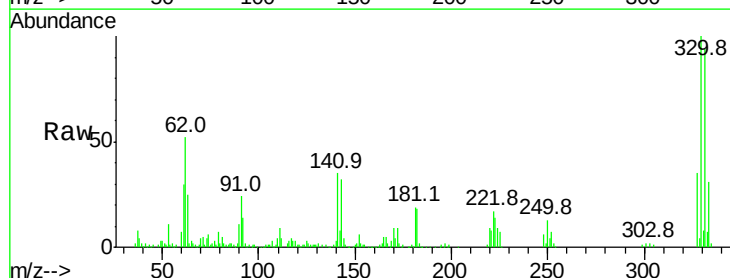
Tgt Ion:330 Resp: 216835

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

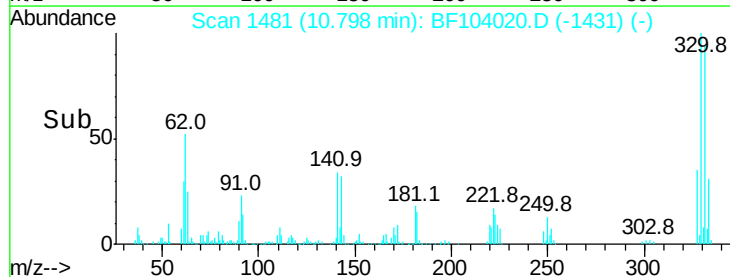
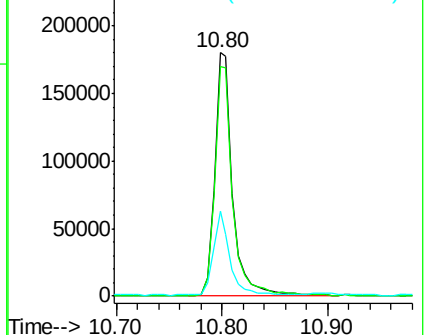
141 31.9 29.9 44.9

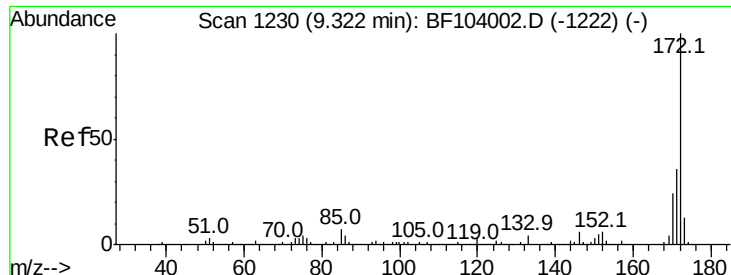


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

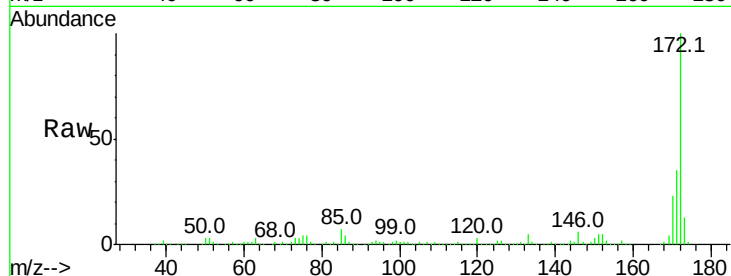




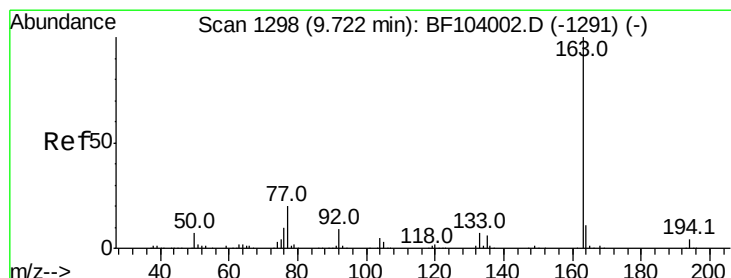
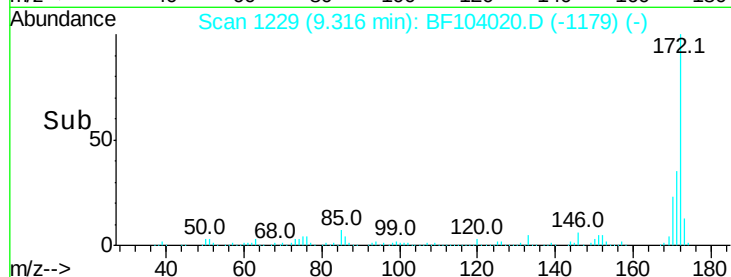
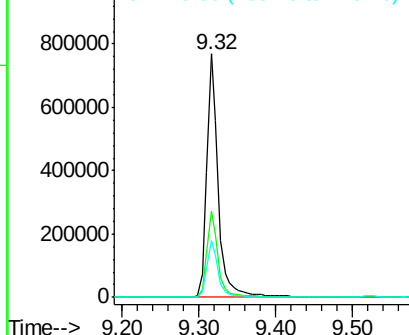
#44
2-Fluorobiphenyl
Concen: 54.452 ng
RT: 9.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: BF104020.D
Acq: 28 Mar 2018 19:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 799869
Ion Ratio Lower Upper
172 100
171 35.5 29.7 44.5
170 23.2 19.6 29.4

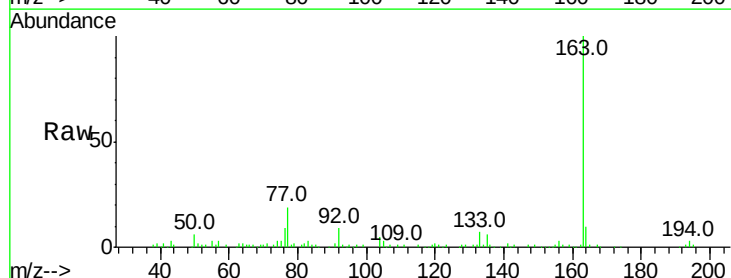


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

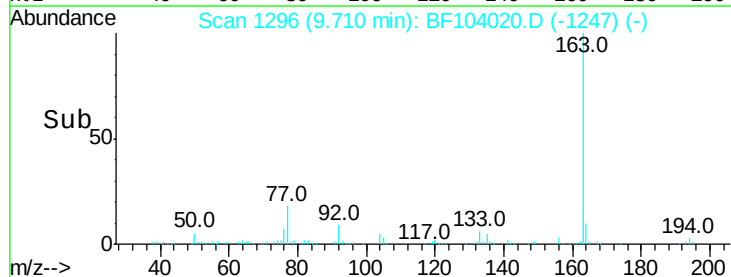
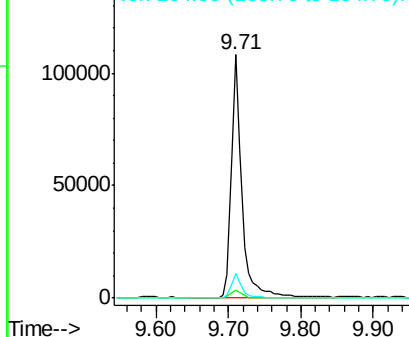


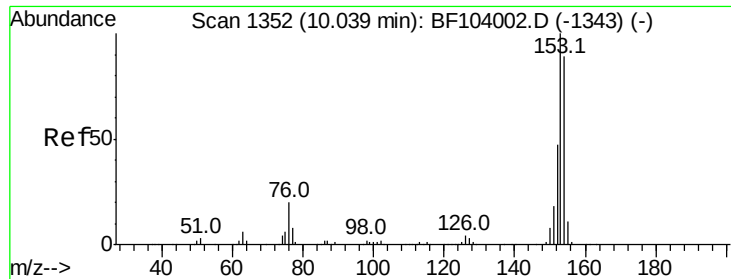
#49
Dimethylphthalate
Concen: 6.218 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF104020.D
Acq: 28 Mar 2018 19:50

Tgt Ion:163 Resp: 113715
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.1 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





#51

Acenaphthene

Concen: 11.192 ng

RT: 10.03 min Scan# 1351

Delta R.T. -0.01 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

Instrument :

BNA_F

ClientSampleId :

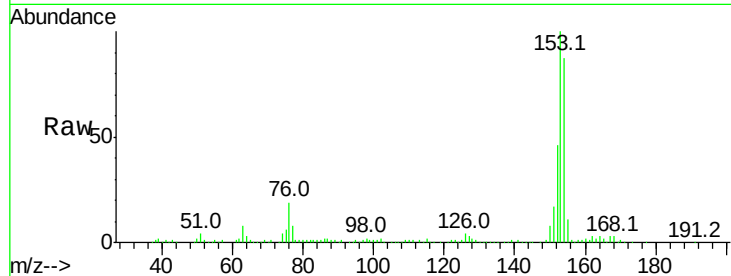
Tot Ion:154 Resp: 153821

Ion Ratio Lower Upper

154 100

153 114.9 91.2 136.8

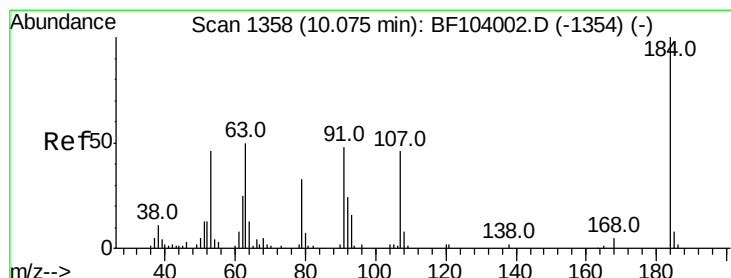
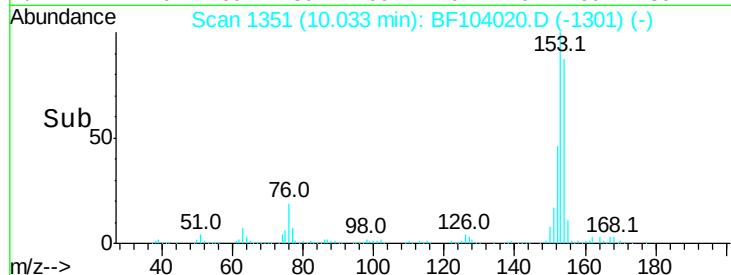
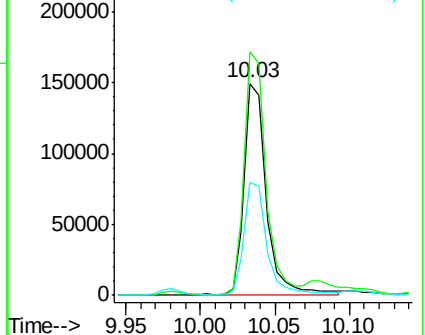
152 53.3 43.8 65.8



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



#53

2,4-Dinitrophenol

Concen: 6.259 ng

RT: 10.27 min Scan# 1391

Delta R.T. 0.19 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

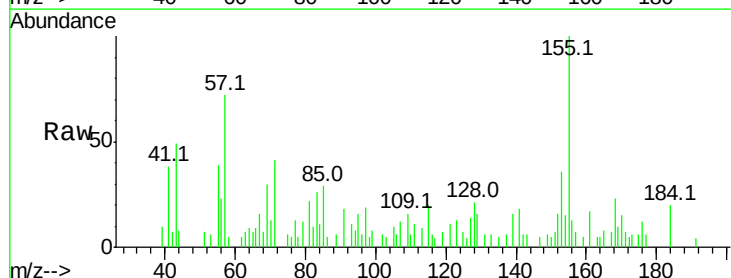
Tgt Ion:184 Resp: 1268

Ion Ratio Lower Upper

184 100

63 36.6 54.2 81.2#

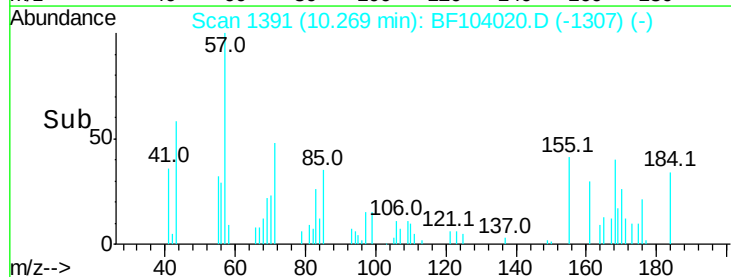
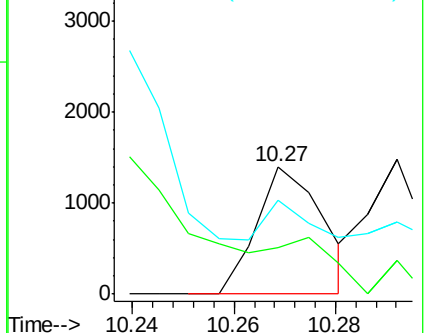
154 74.0 184.0 276.0#

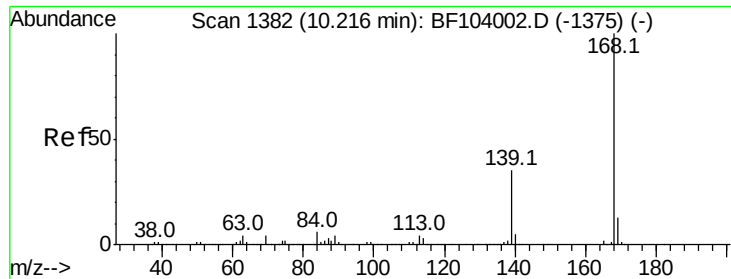


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 6.575 ng

RT: 10.21 min Scan# 1381

Delta R.T. -0.01 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

Instrument :

BNA_F

ClientSampleId :

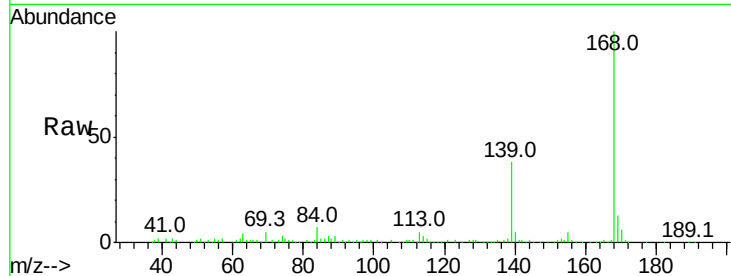
Tot Ion:168 Resp: 131971

Ion Ratio Lower Upper

168 100

139 37.8 30.1 45.1

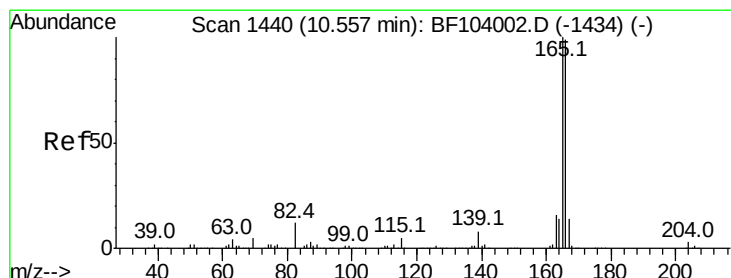
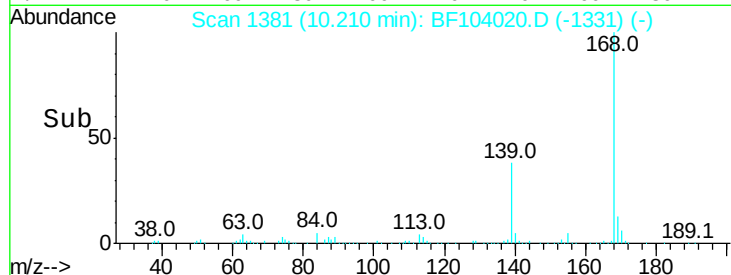
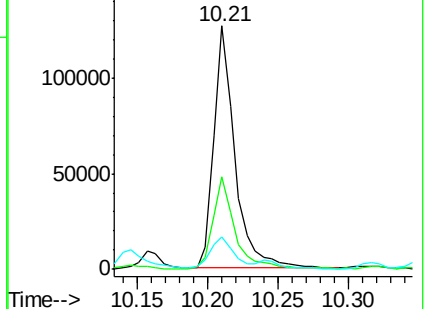
169 13.5 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 10.896 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.00 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

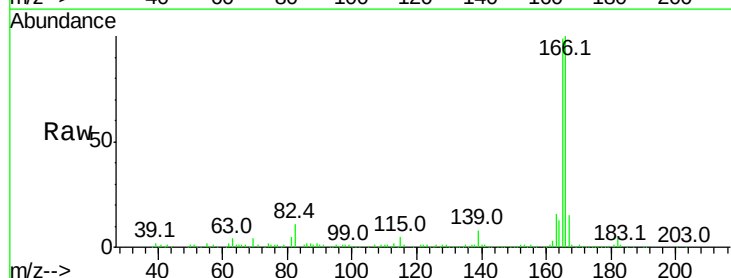
Tgt Ion:166 Resp: 180391

Ion Ratio Lower Upper

166 100

165 99.2 79.8 119.8

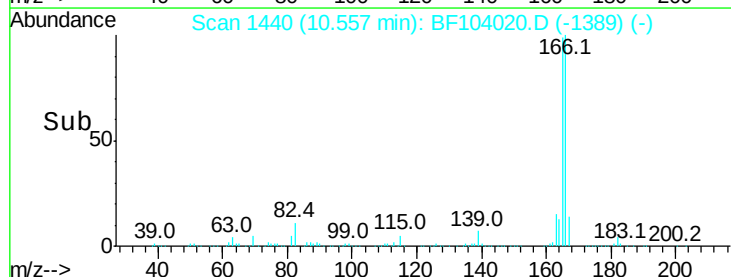
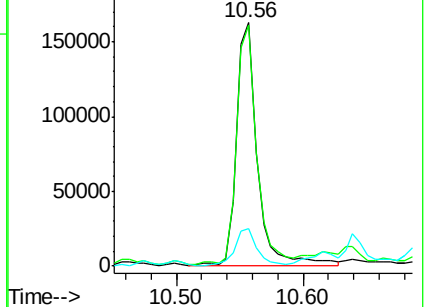
167 15.3 10.6 16.0

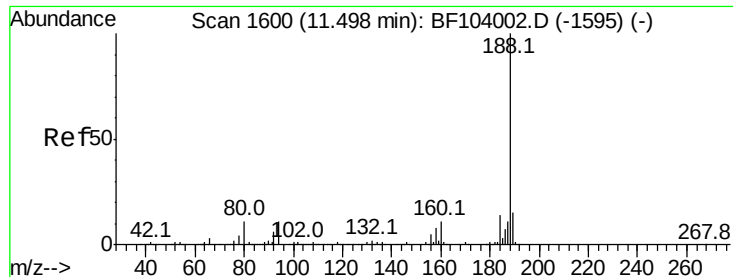


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

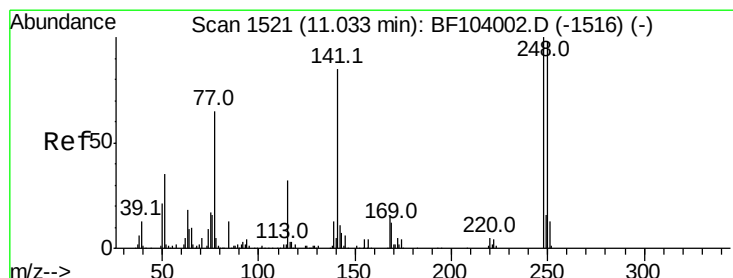
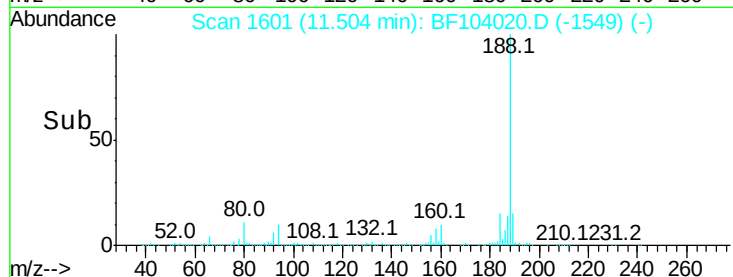
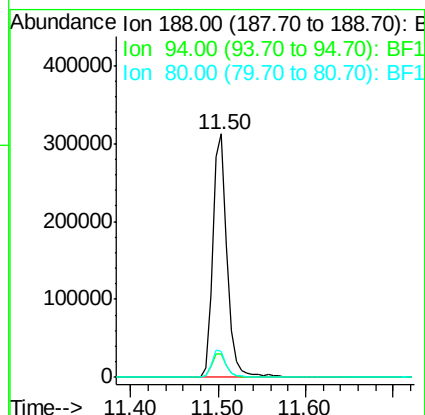
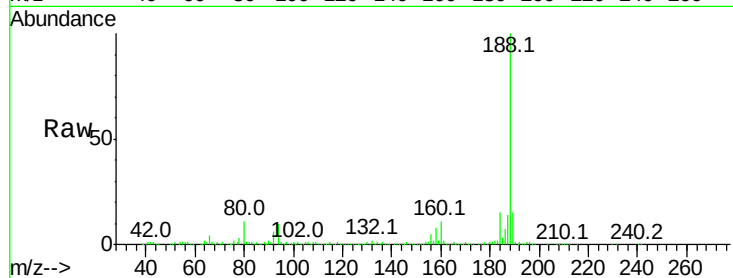




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF104020.D
Acq: 28 Mar 2018 19:50

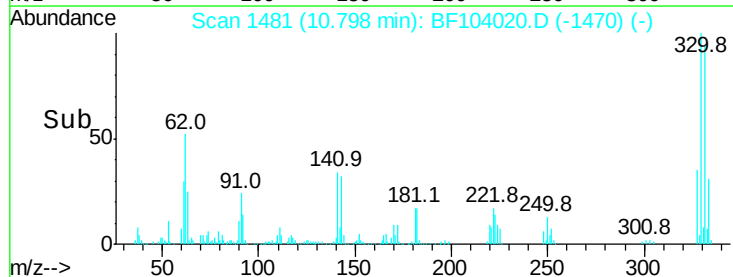
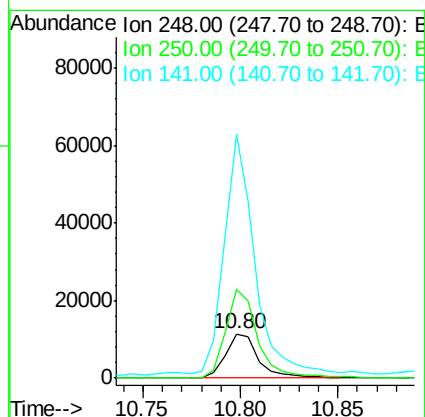
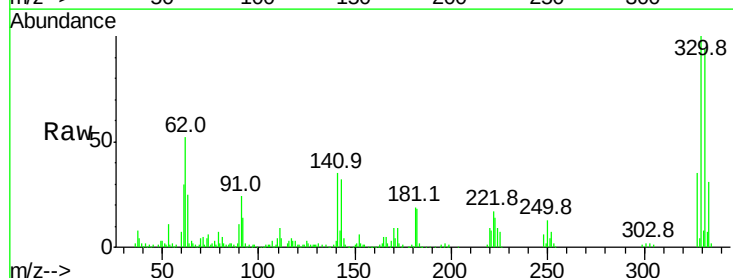
Instrument :
BNA_F
ClientSampleId :

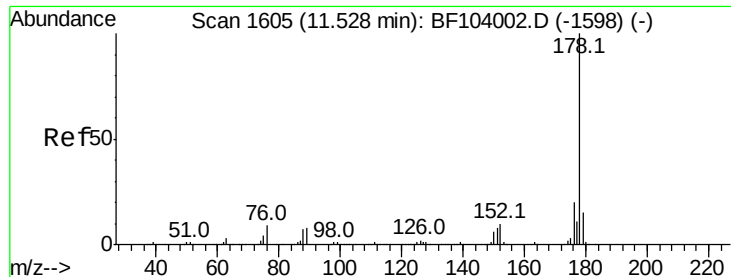
Tot Ion:188 Resp: 355015
Ion Ratio Lower Upper
188 100
94 9.8 8.5 12.7
80 10.7 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.491 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.24 min
Lab File: BF104020.D
Acq: 28 Mar 2018 19:50

Tgt Ion:248 Resp: 13259
Ion Ratio Lower Upper
248 100
250 200.7 76.9 115.3#
141 553.8 74.4 111.6#





#70

Phenanthrene

Concen: 80.150 ng

RT: 11.53 min Scan# 1606

Delta R.T. 0.01 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

Instrument :

BNA_F

ClientSampleId :

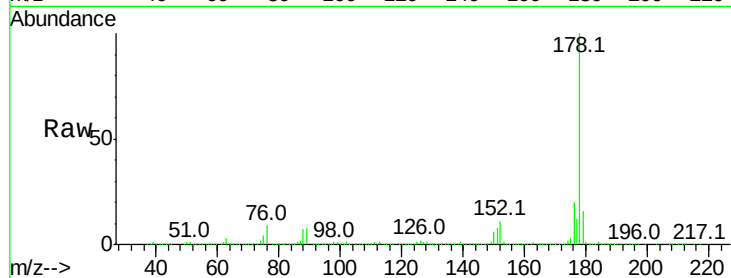
Tot Ion:178 Resp: 1540552

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

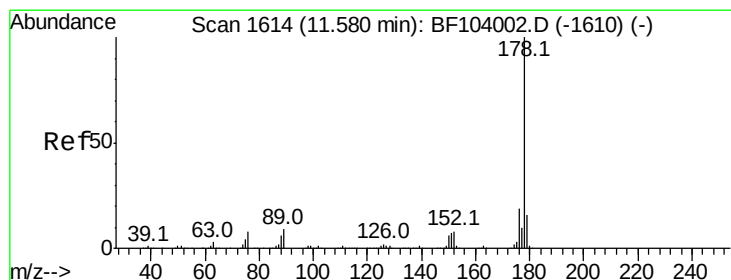
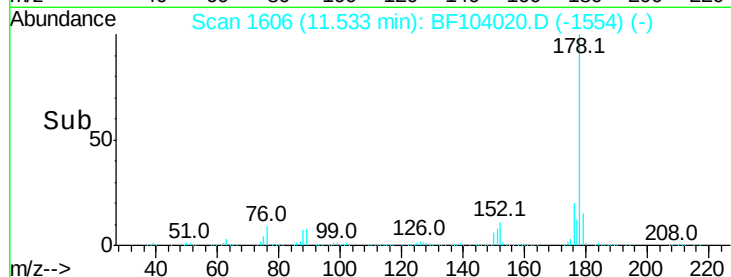
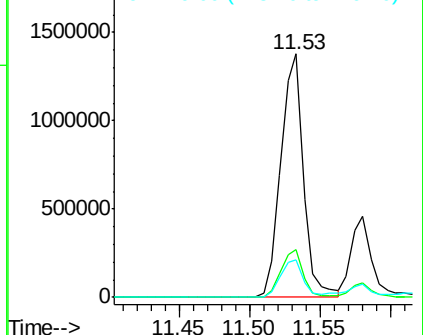
179 15.5 13.0 19.6



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: 24.448 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.00 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

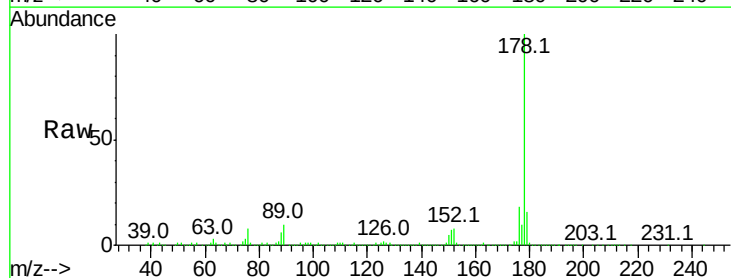
Tgt Ion:178 Resp: 490846

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

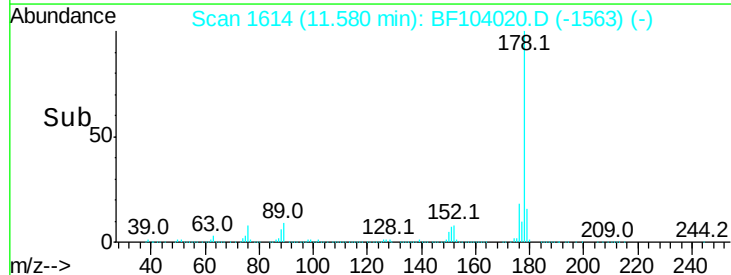
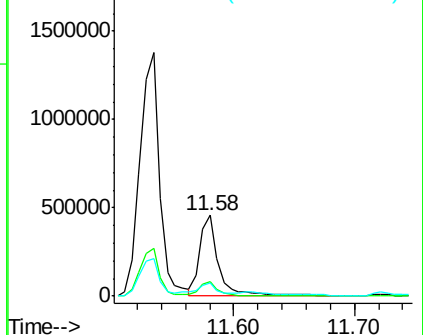
179 16.0 12.6 19.0

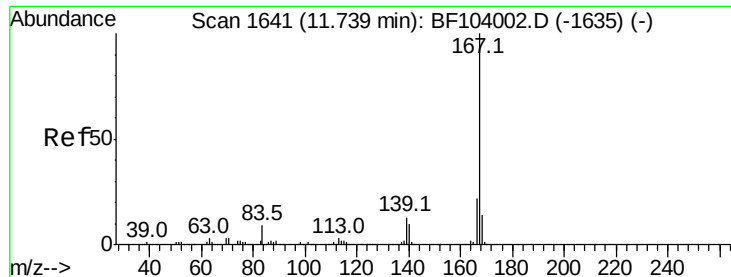


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 7.066 ng

RT: 11.74 min Scan# 1641

Delta R.T. -0.00 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

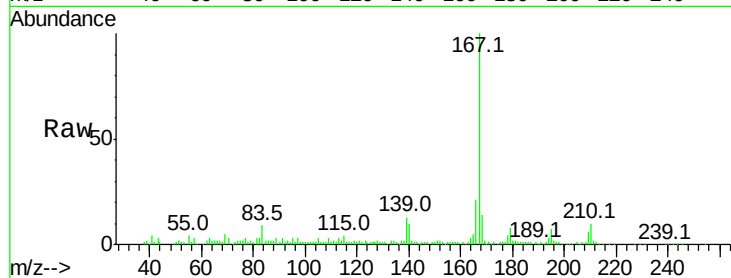
Instrument :

BNA_F

ClientSampled :

Tot Ion:167 Resp: 135390

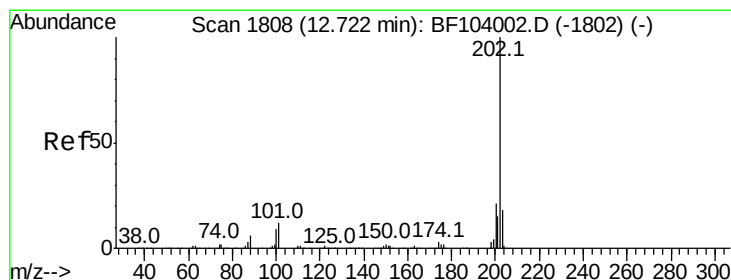
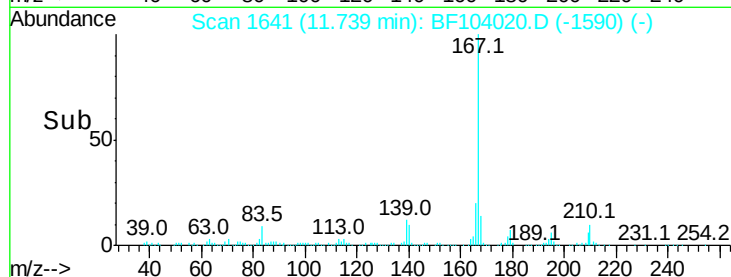
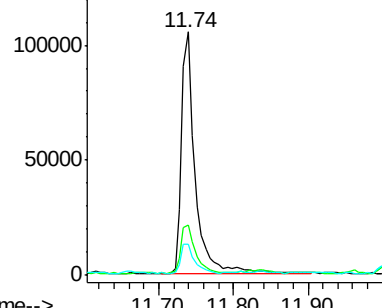
Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.6	26.4
139	12.8	10.9	16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 75.944 ng

RT: 12.73 min Scan# 1809

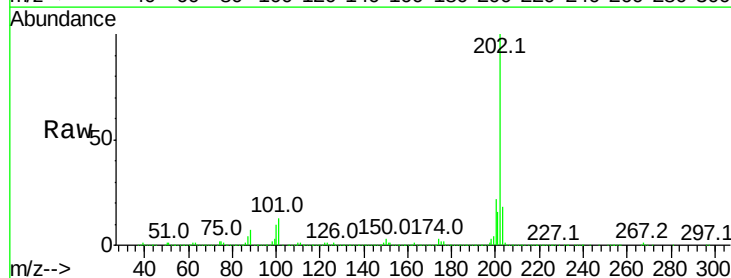
Delta R.T. 0.01 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

Tgt Ion:202 Resp: 1551595

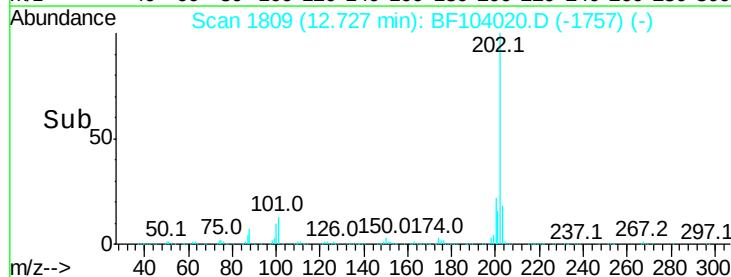
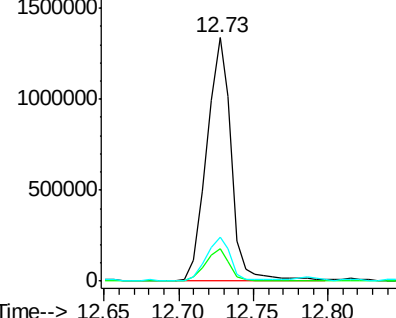
Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	34.1
203	18.2	0.0	38.1

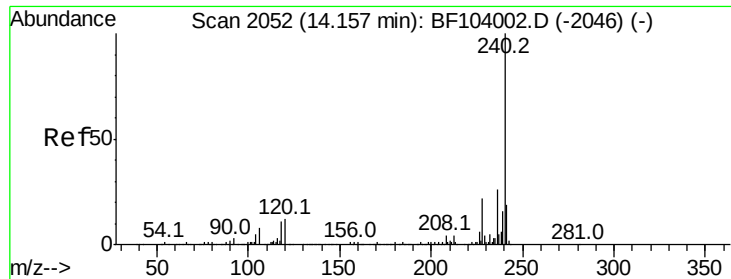


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

Instrument :

BNA_F

ClientSampleId :

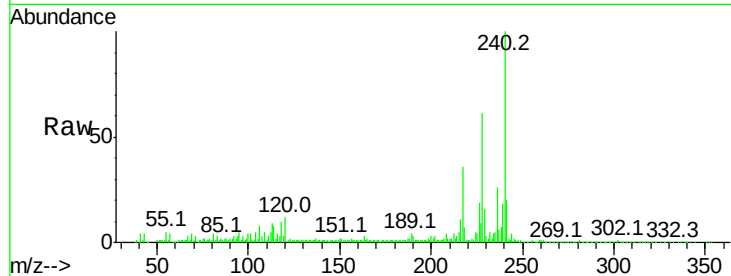
Tot Ion:240 Resp: 231280

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

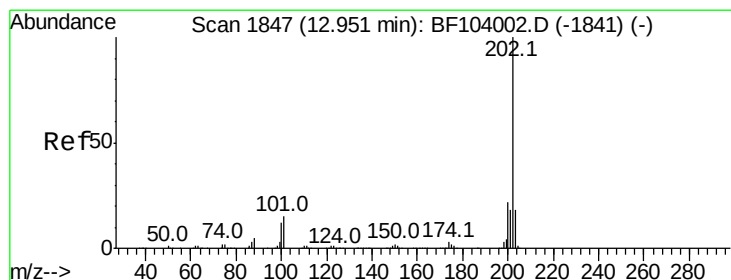
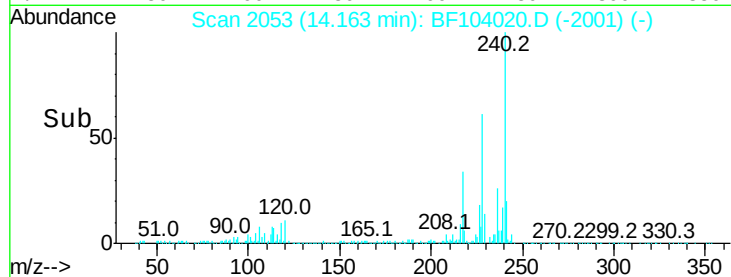
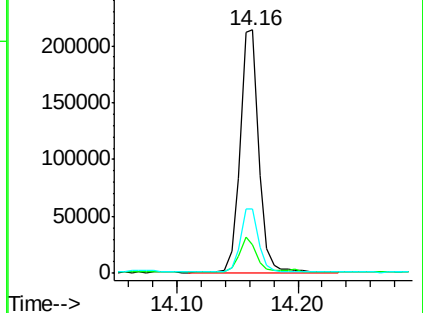
236 26.3 20.7 31.1



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: 91.611 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

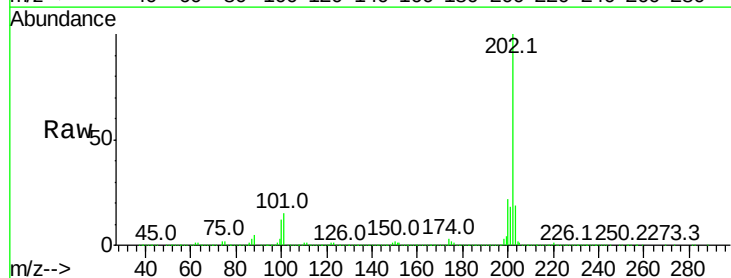
Tgt Ion:202 Resp: 1523107

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

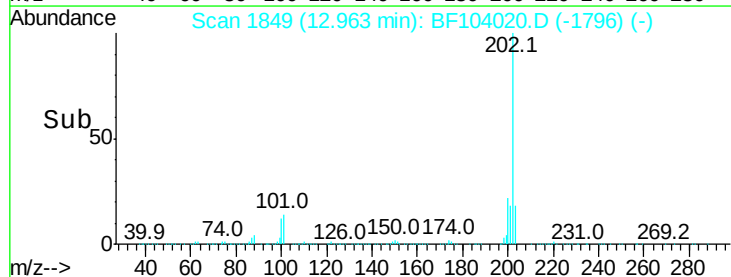
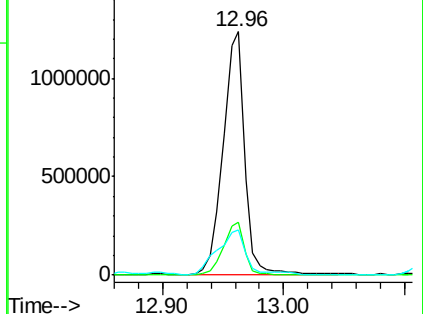
203 18.6 14.3 21.5

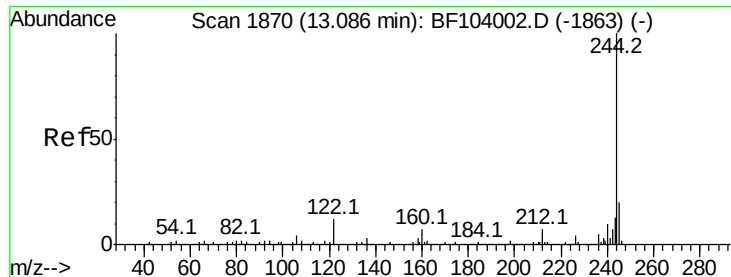


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 50.021 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

Instrument :

BNA_F

ClientSampleId :

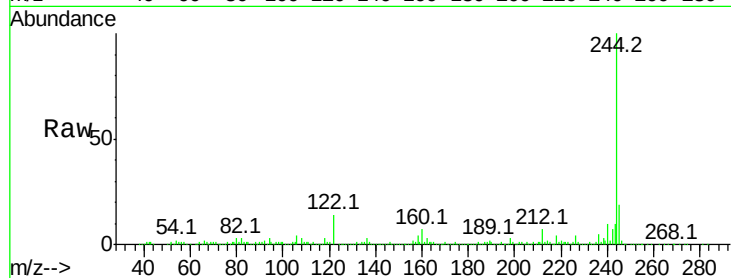
Tot Ion:244 Resp: 501039

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

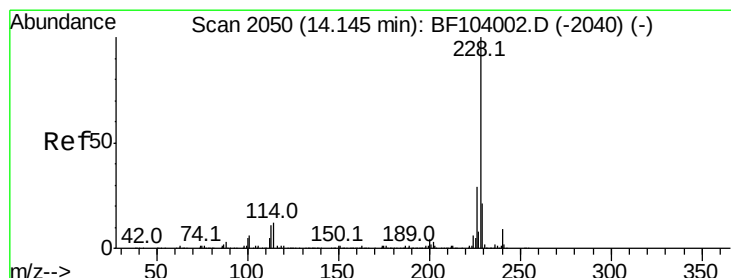
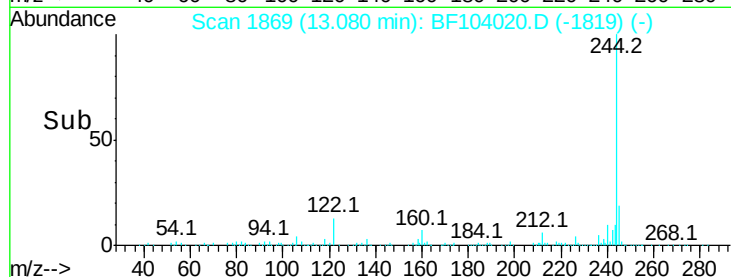
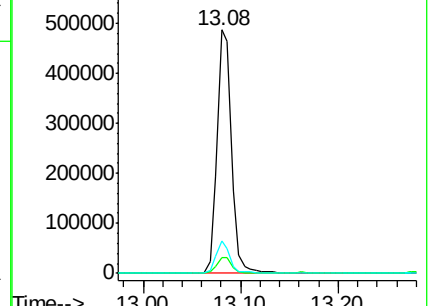
122 13.5 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 47.511 ng

RT: 14.15 min Scan# 2051

Delta R.T. 0.01 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

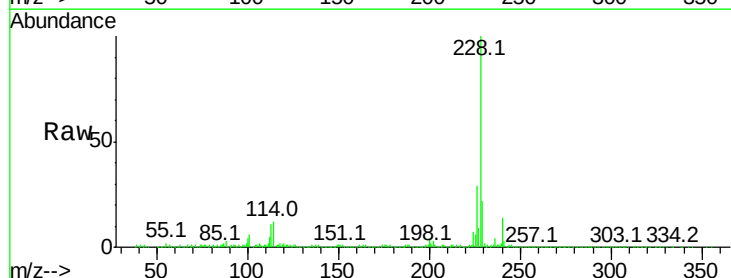
Tgt Ion:228 Resp: 687566

Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

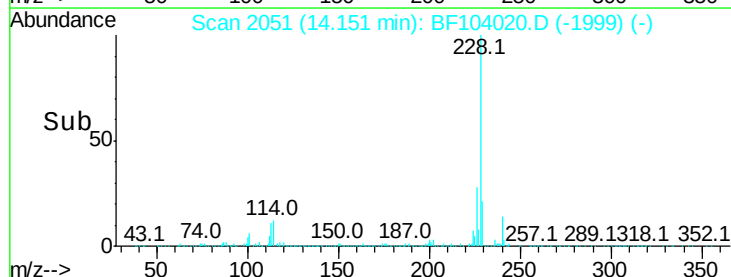
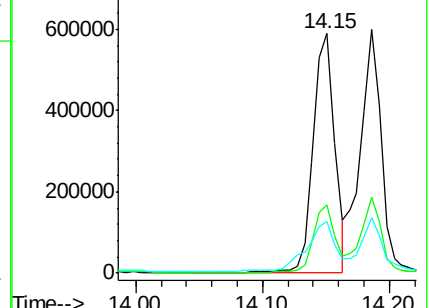
229 21.6 15.8 23.6

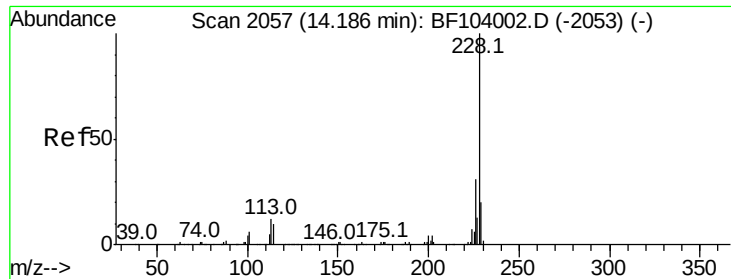


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 44.377 ng

RT: 14.19 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

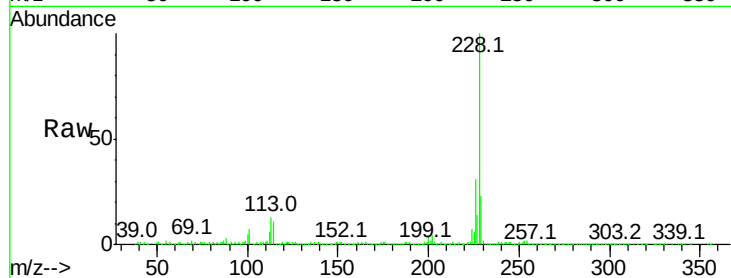
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 629017

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	22.7	16.2	24.4

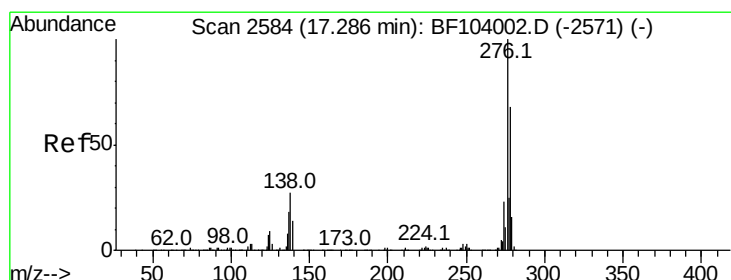
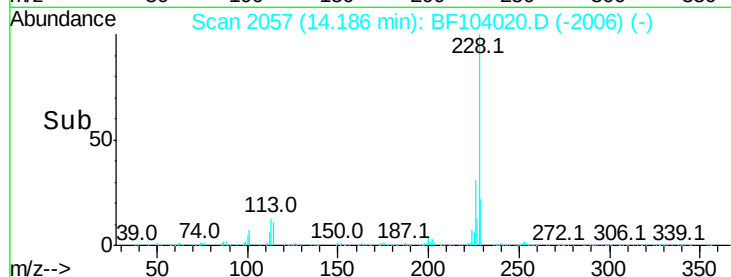
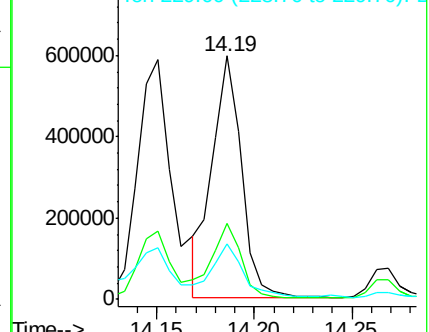


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 20.831 ng

RT: 17.30 min Scan# 2586

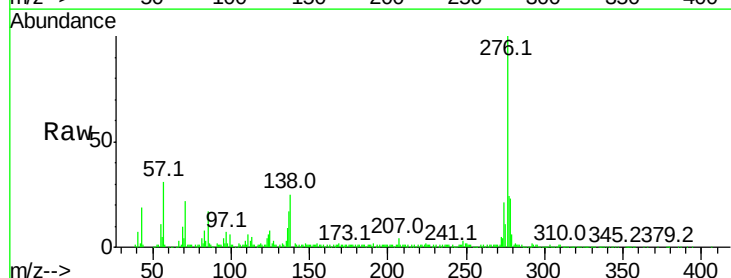
Delta R.T. 0.01 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

Tgt Ion:276 Resp: 305973

Ion	Ratio	Lower	Upper
276	100		
138	22.7	25.0	37.6#
277	24.5	20.1	30.1

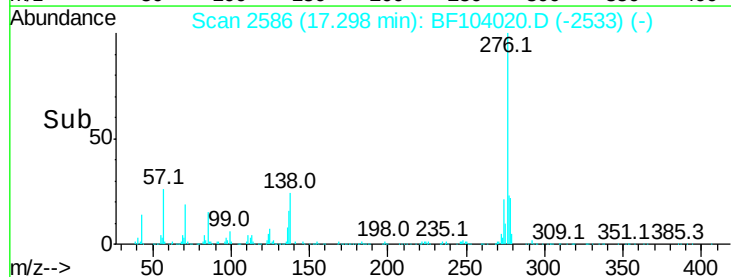
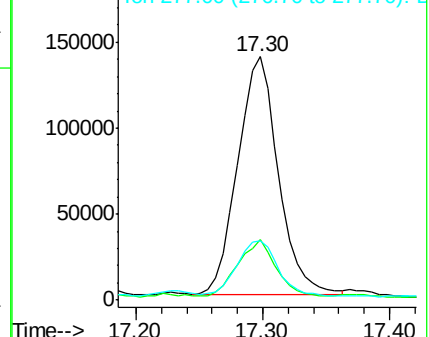


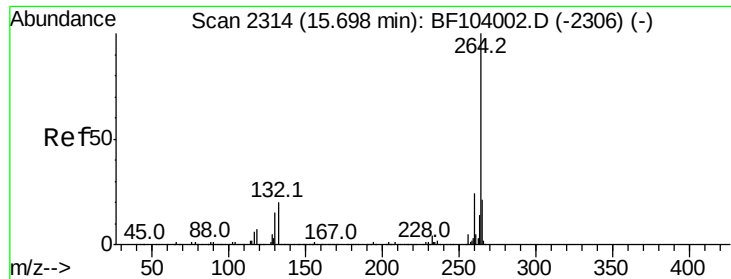
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2315

Delta R.T. 0.01 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

Instrument :

BNA_F

ClientSampleId :

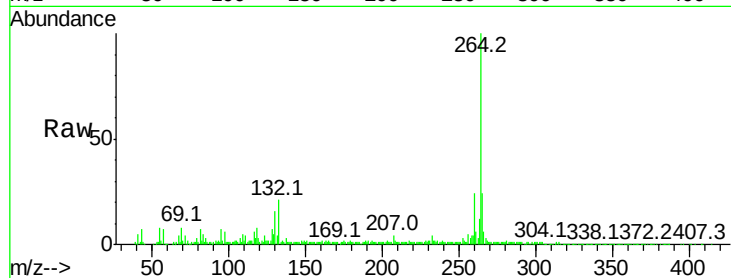
Tot Ion:264 Resp: 212209

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

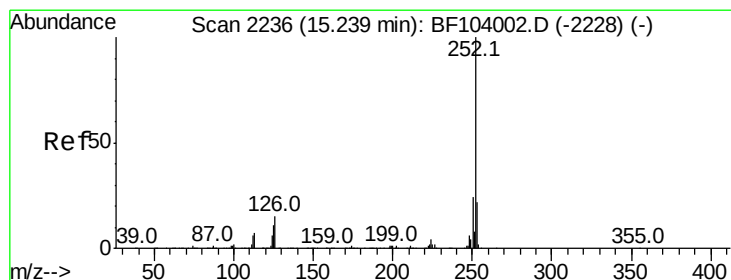
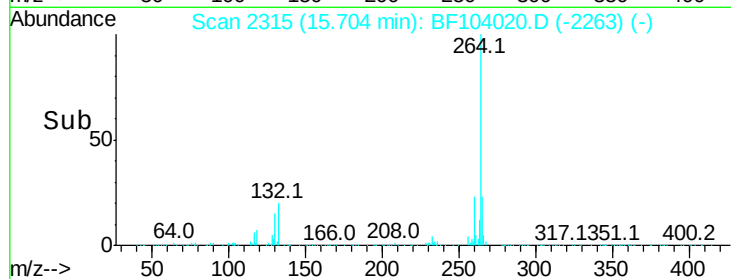
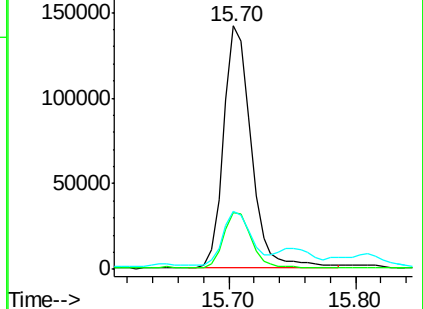
265 23.6 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 77.909 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

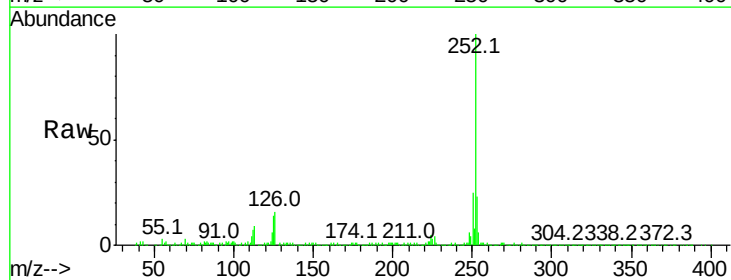
Tgt Ion:252 Resp: 1006177

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

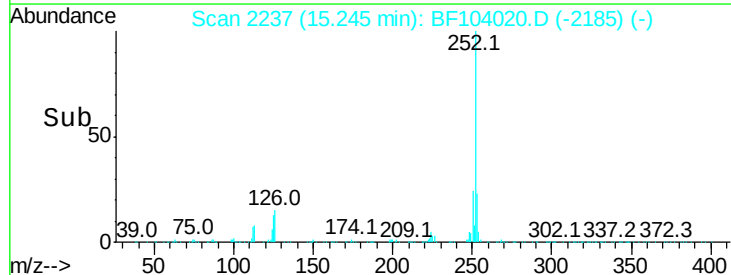
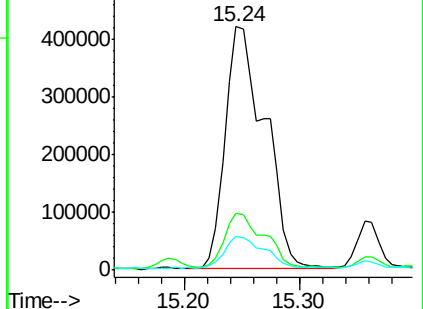
125 13.6 9.0 13.6#

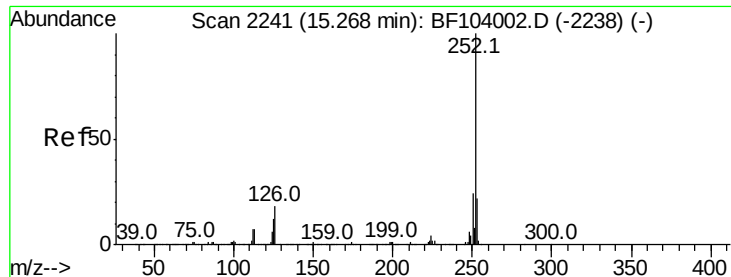


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 82.705 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.02 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

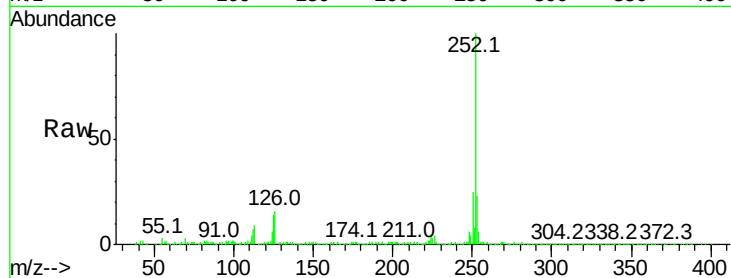
Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 1006177

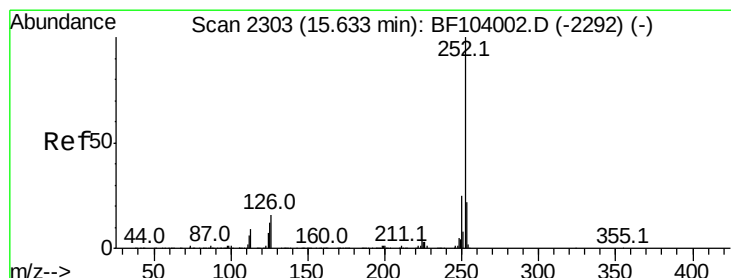
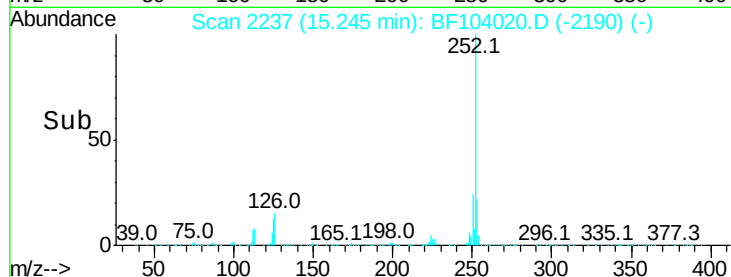
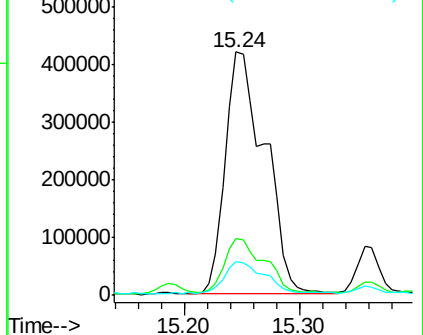
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	13.6	10.2	15.2



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: 49.885 ng

RT: 15.64 min Scan# 2305

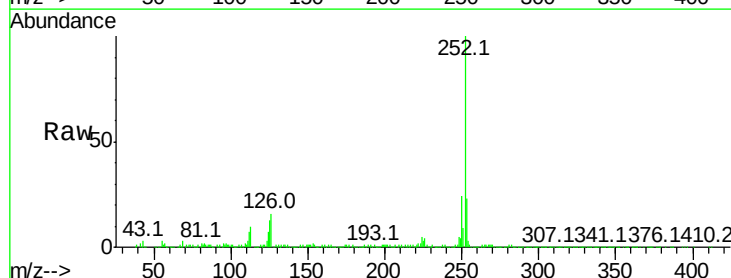
Delta R.T. 0.01 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

Tgt Ion:252 Resp: 597031

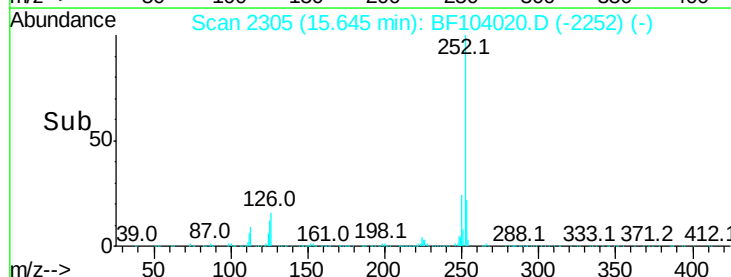
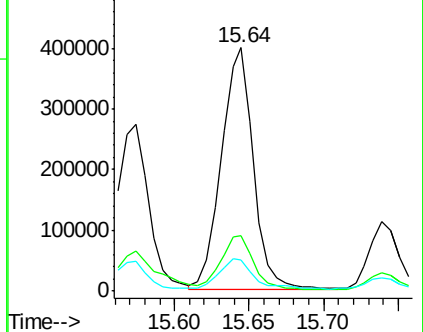
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	12.7	9.8	14.6

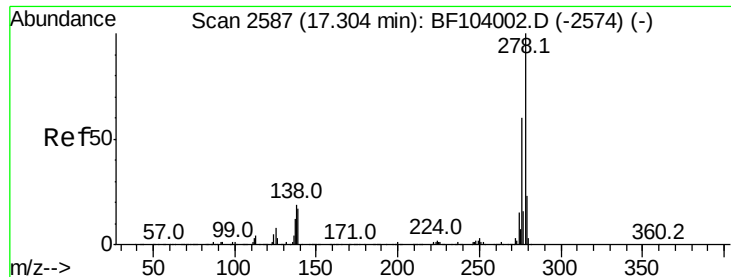


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 5.001 ng

RT: 17.09 min Scan# 2550

Delta R.T. -0.22 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

Instrument :

BNA_F

ClientSampleId :

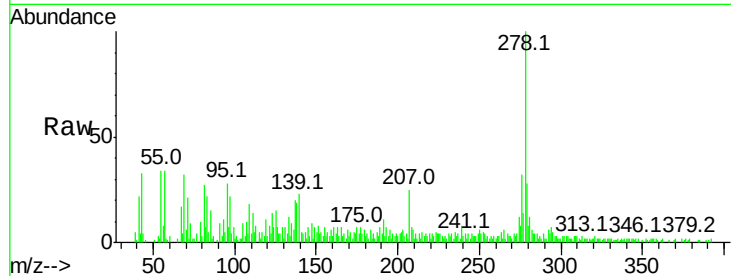
Tot Ion:278 Resp: 55335

Ion Ratio Lower Upper

278 100

139 23.3 15.9 23.9

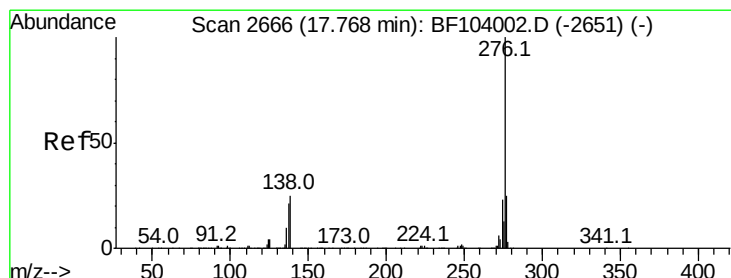
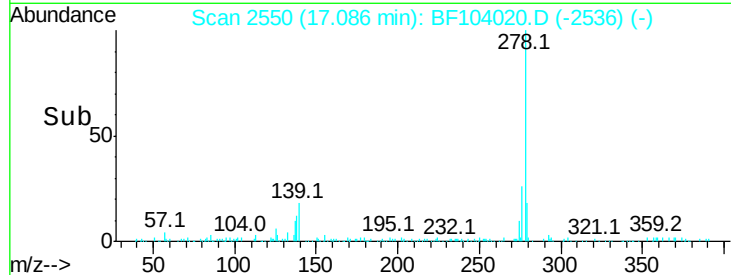
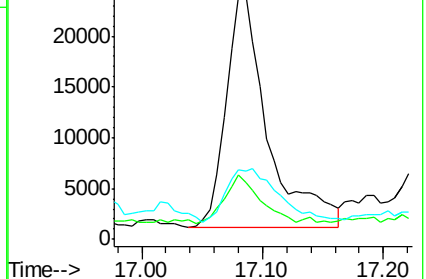
279 28.1 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 28.885 ng

RT: 17.79 min Scan# 2669

Delta R.T. 0.02 min

Lab File: BF104020.D

Acq: 28 Mar 2018 19:50

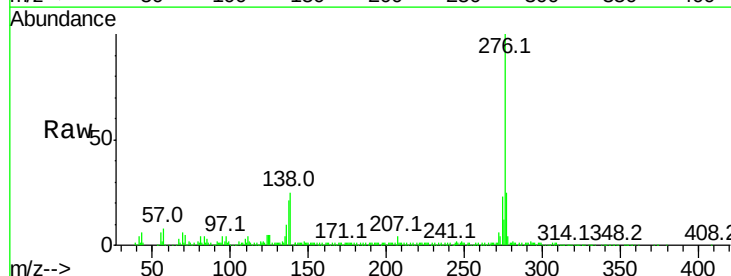
Tgt Ion:276 Resp: 320142

Ion Ratio Lower Upper

276 100

277 25.0 17.9 26.9

138 25.3 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

