

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104054.D
 Acq On : 29 Mar 2018 16:42
 Operator : JU/SJ
 Sample : J2080-07 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 30 03:49:44 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	6.97	152	114265	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	489437	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	209028	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	315273	20.00	ng	0.00
75) Chrysene-d12	14.16	240	236254	20.00	ng	0.00
86) Perylene-d12	15.71	264	193304	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	305388	42.62	ng	0.00
7) Phenol-d6	6.59	99	440217	49.94	ng	-0.01
23) Nitrobenzene-d5	7.53	82	252637	31.57	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	91086	39.13	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	464973	35.08	ng	0.00
78) Terphenyl-d14	13.08	244	318730	31.15	ng	0.00

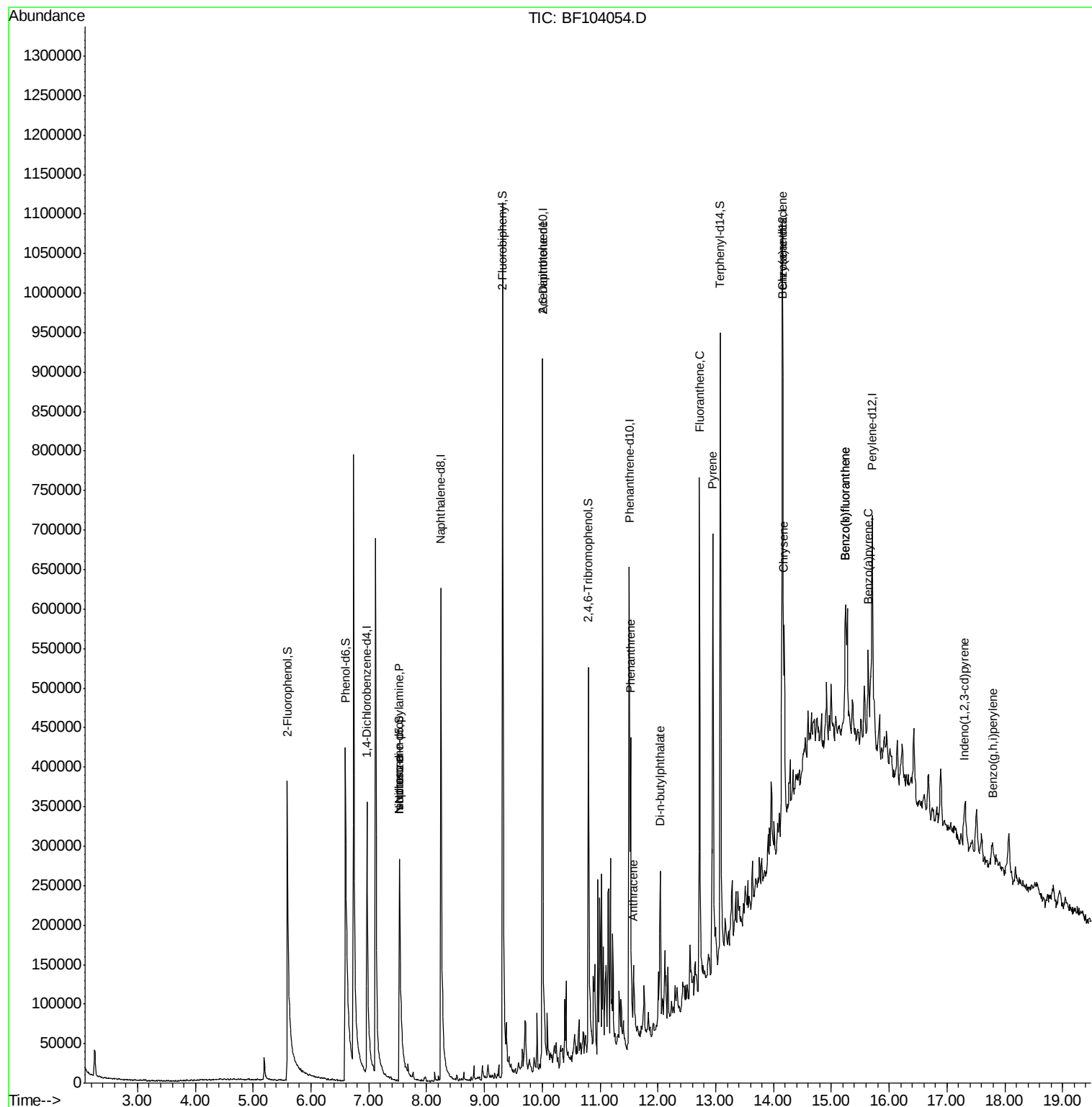
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.53	70	30562	5.842	ng	# 72
25) Isophorone	7.53	82	254940	17.285	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	26594	7.490	ng	# 25
70) Phenanthrene	11.53	178	163542	9.581	ng	97
71) Anthracene	11.58	178	60887	3.415	ng	98
73) Di-n-butylphthalate	12.04	149	87047	4.294	ng	99
74) Fluoranthene	12.72	202	325012	17.913	ng	96
77) Pyrene	12.95	202	278570	16.403	ng	98
80) Benzo(a)anthracene	14.14	228	128162	8.670	ng	96
82) Chrysene	14.19	228	108105	7.466	ng	98
85) Indeno(1,2,3-cd)pyrene	17.30	276	31216	2.081	ng	92
87) Benzo(b)fluoranthene	15.24	252	140069	11.906	ng	# 85
88) Benzo(k)fluoranthene	15.24	252	140069	12.639	ng	# 88
89) Benzo(a)pyrene	15.64	252	67105	6.155	ng	# 88
91) Benzo(a,h,i)perylene	17.79	276	30491	3.020	ng	# 93

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

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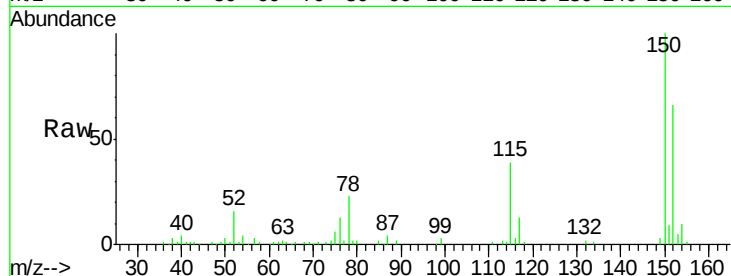


#1

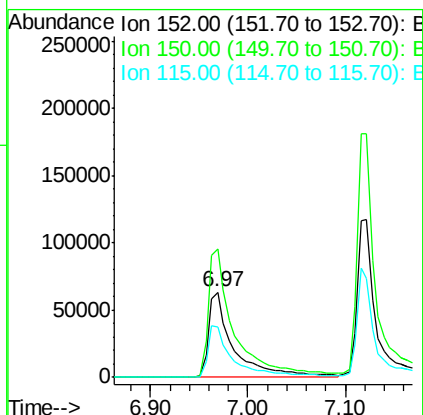
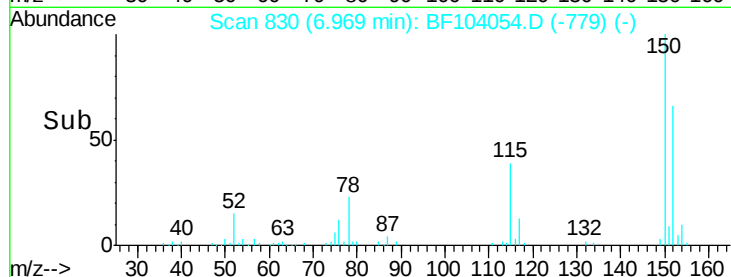
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104054.D
Acq: 29 Mar 2018 16:42

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 114265
Ion Ratio Lower Upper
152 100
150 151.9 124.6 186.8
115 59.5 50.1 75.1



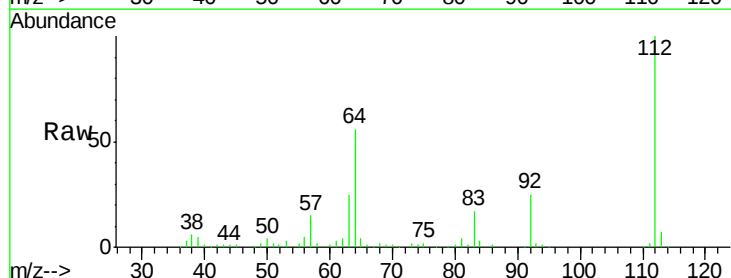
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



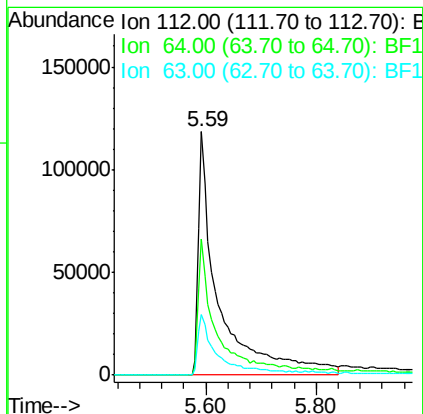
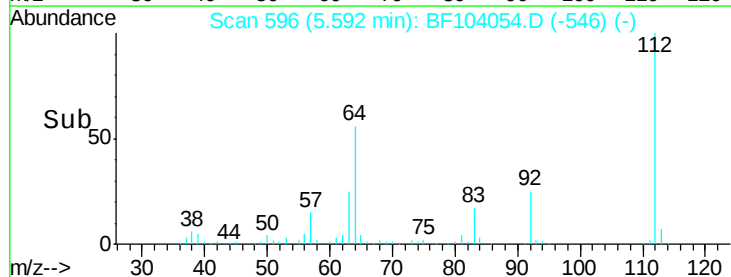
#5

2-Fluorophenol
Concen: 42.622 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF104054.D
Acq: 29 Mar 2018 16:42

Tgt Ion:112 Resp: 305388
Ion Ratio Lower Upper
112 100
64 55.7 47.9 71.9
63 25.1 23.7 35.5



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





#7

Phenol-d6

Concen: 49.938 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

Instrument :

BNA_F

ClientSampleId :

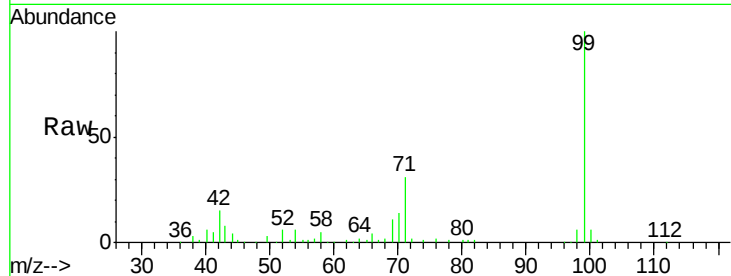
Tot Ion: 99 Resp: 440217

Ion Ratio Lower Upper

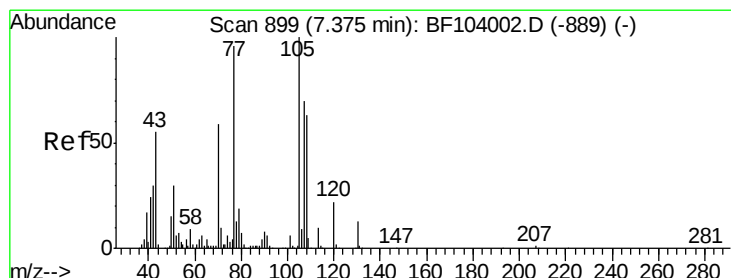
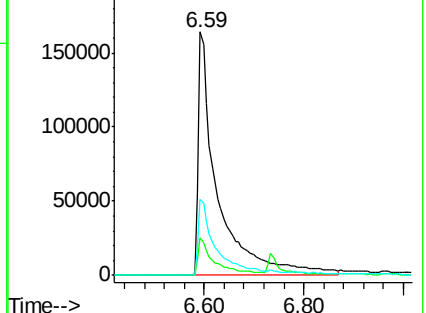
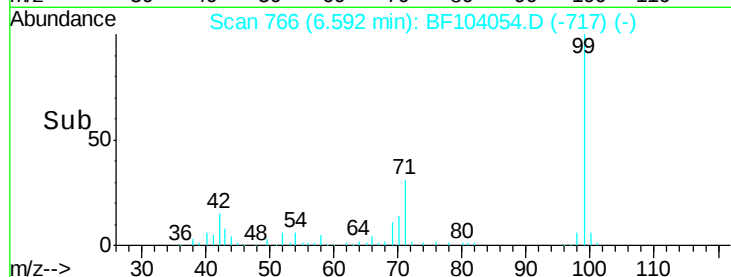
99 100

42 15.4 14.5 21.7

71 31.4 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: 5.842 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.15 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

Tgt Ion: 70 Resp: 30562

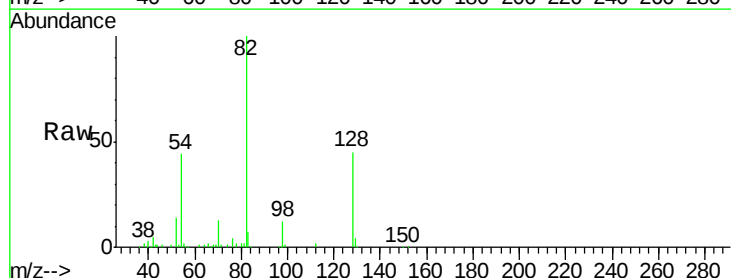
Ion Ratio Lower Upper

70 100

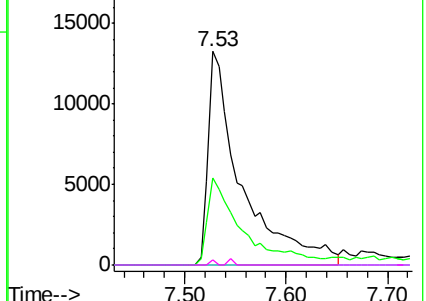
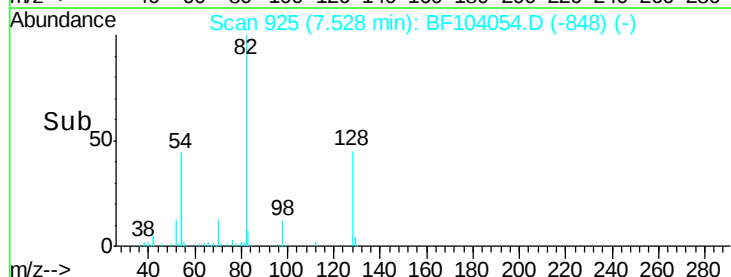
42 40.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 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

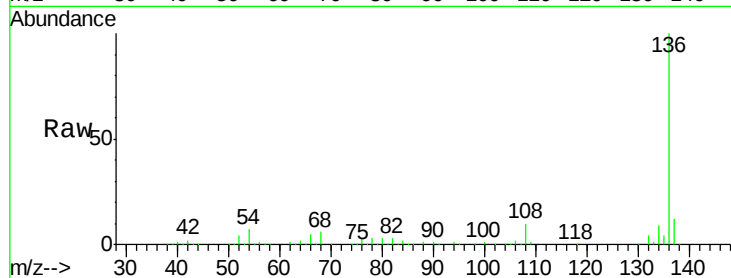




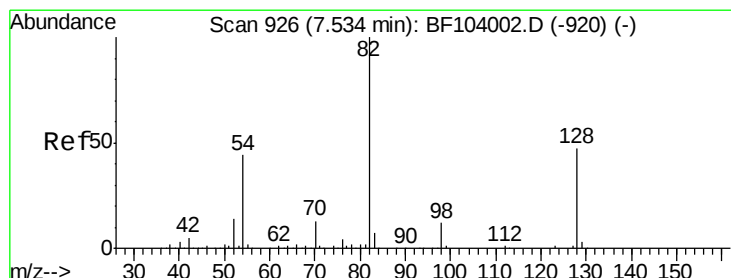
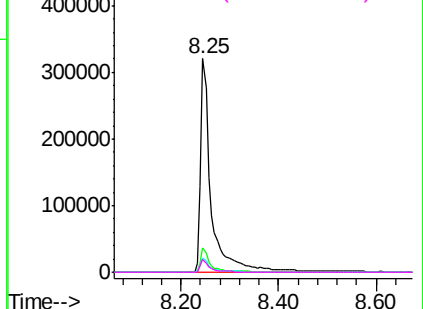
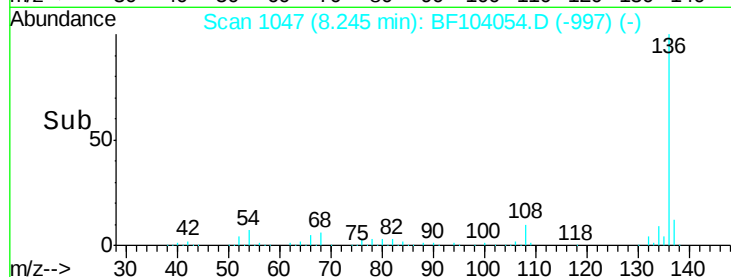
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF104054.D
Acq: 29 Mar 2018 16:42

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	489437
Ion Ratio	Lower	Upper
136	100	
137	11.6	8.9 13.3
54	6.8	6.6 9.8
68	6.0	5.0 7.4

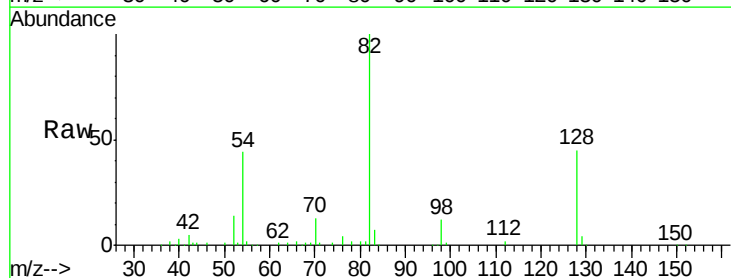


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

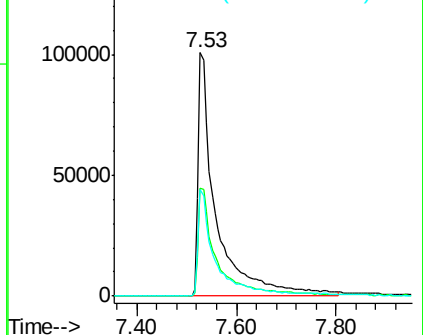
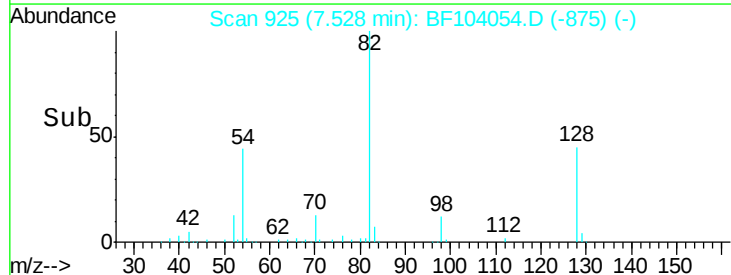


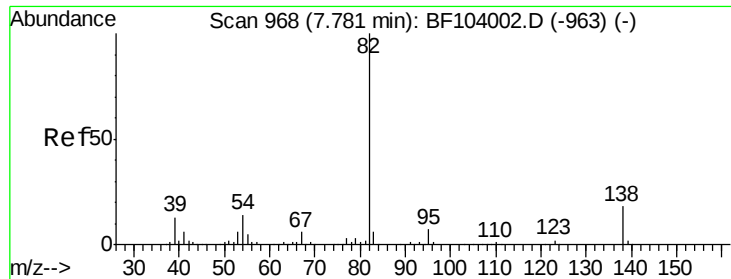
#23
Nitrobenzene-d5
Concen: 31.567 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF104054.D
Acq: 29 Mar 2018 16:42

Tgt Ion: 82	Resp:	252637
Ion Ratio	Lower	Upper
82	100	
128	44.6	36.1 54.1
54	43.9	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: 17.285 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.25 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

Instrument :

BNA_F

ClientSampled :

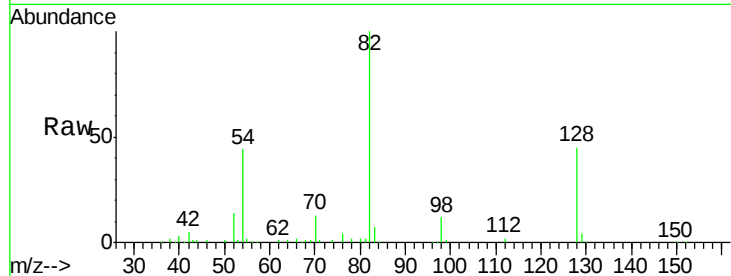
Tot Ion: 82 Resp: 254940

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

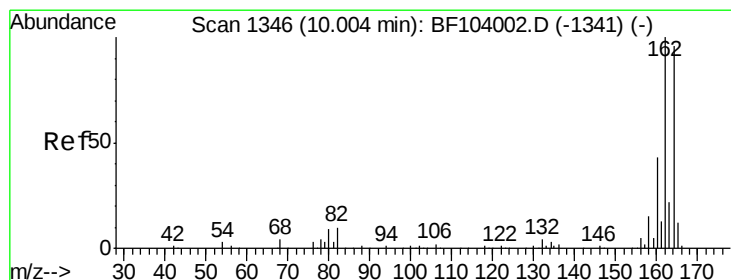
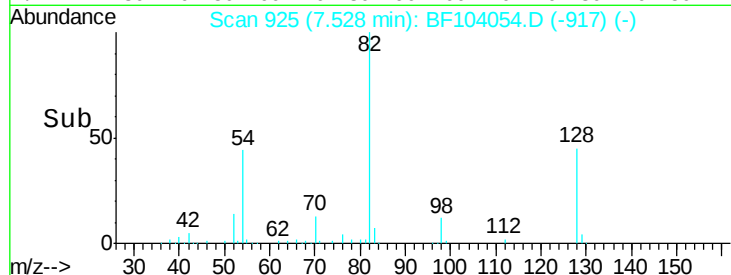
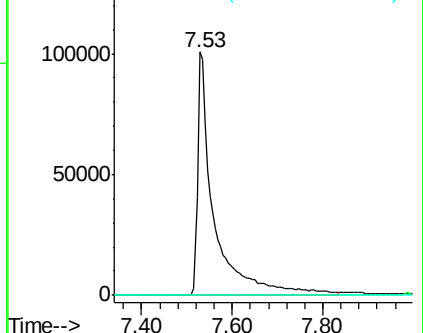
138 0.0 14.9 22.3#



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: 10.00 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

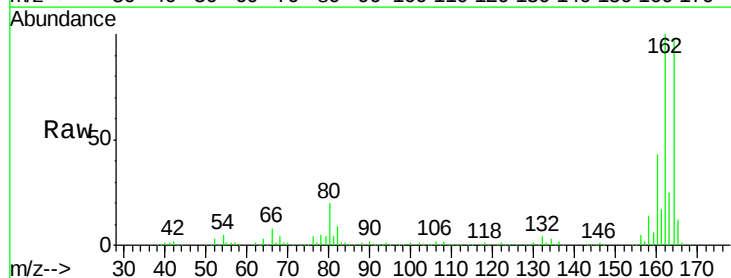
Tgt Ion:164 Resp: 209028

Ion Ratio Lower Upper

164 100

162 103.0 86.1 129.1

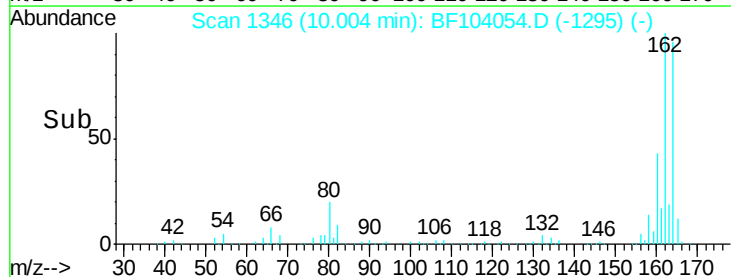
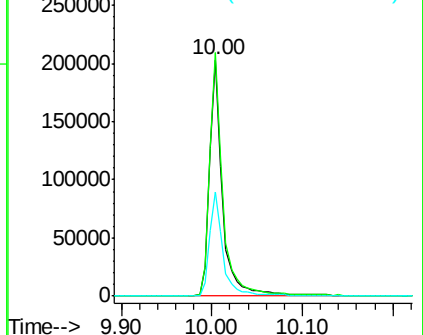
160 44.2 38.3 57.5

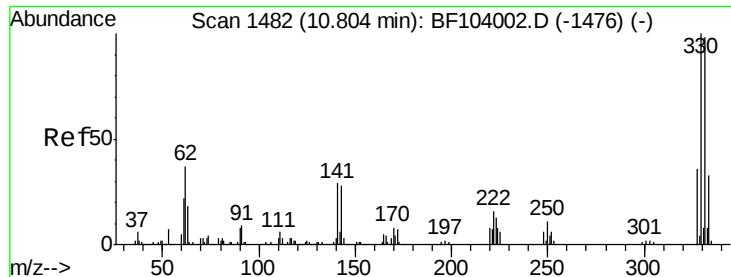


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 39.134 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.01 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

Instrument :

BNA_F

ClientSampleId :

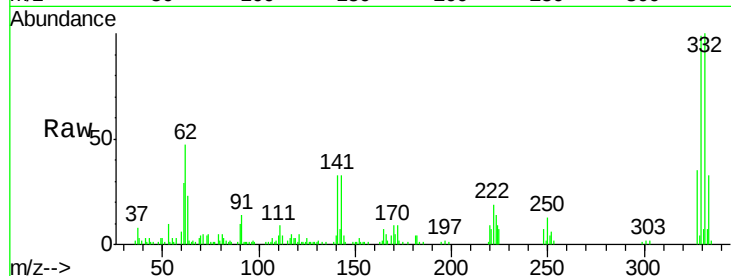
Tot Ion:330 Resp: 91086

Ion Ratio Lower Upper

330 100

332 99.2 77.0 115.6

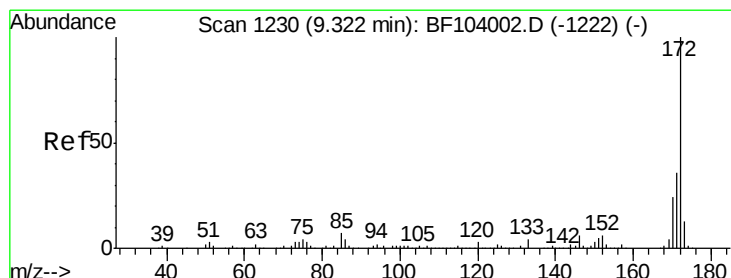
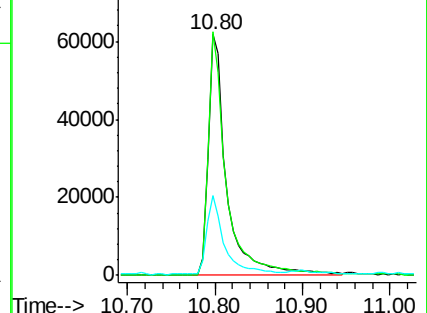
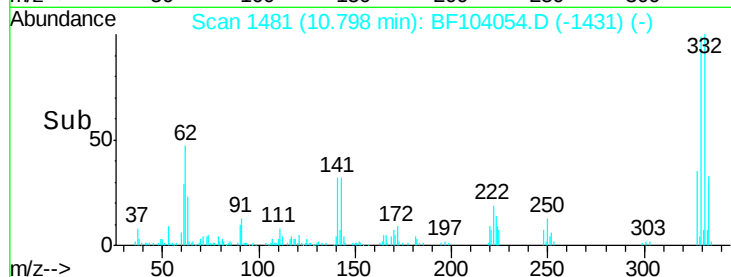
141 31.5 29.9 44.9



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: 35.078 ng

RT: 9.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

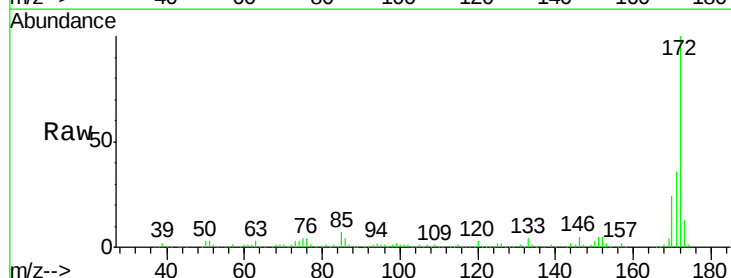
Tgt Ion:172 Resp: 464973

Ion Ratio Lower Upper

172 100

171 36.3 29.7 44.5

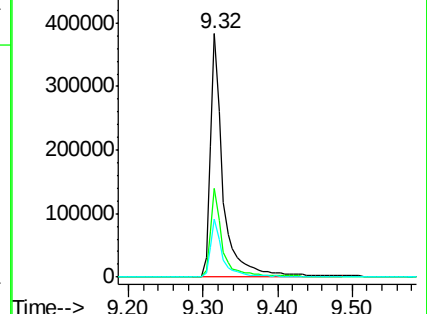
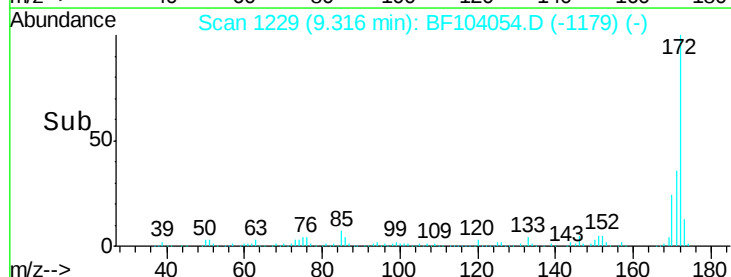
170 24.1 19.6 29.4

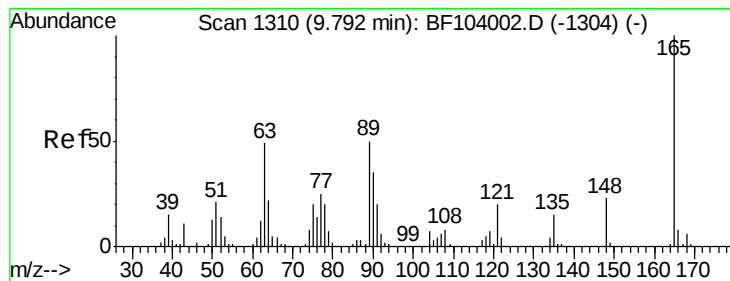


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

2,6-Dinitrotoluene

Concen: 7.490 ng

RT: 10.00 min Scan# 1346

Delta R.T. 0.21 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

Instrument :

BNA_F

ClientSampleId :

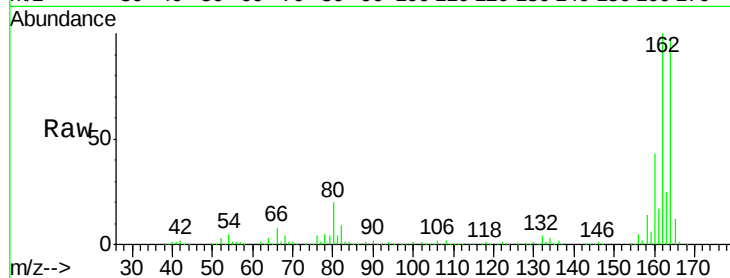
Tot Ion:165 Resp: 26594

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

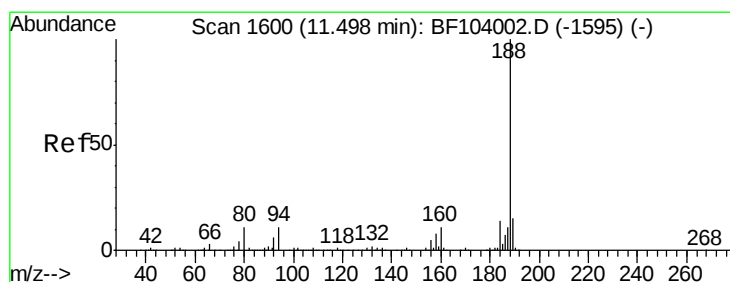
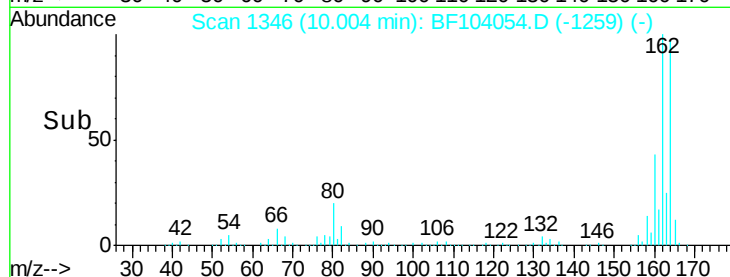
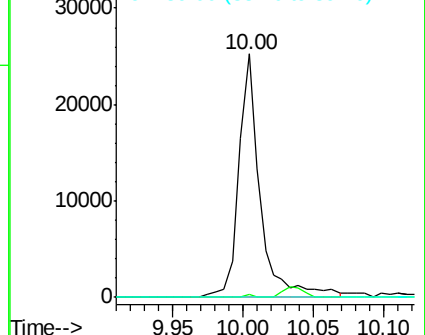
89 0.0 44.0 66.0#



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1601

Delta R.T. 0.01 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

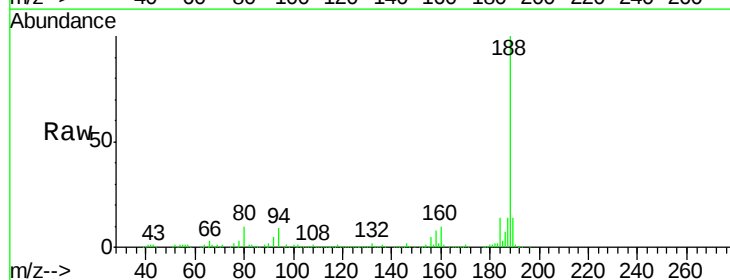
Tgt Ion:188 Resp: 315273

Ion Ratio Lower Upper

188 100

94 9.1 8.5 12.7

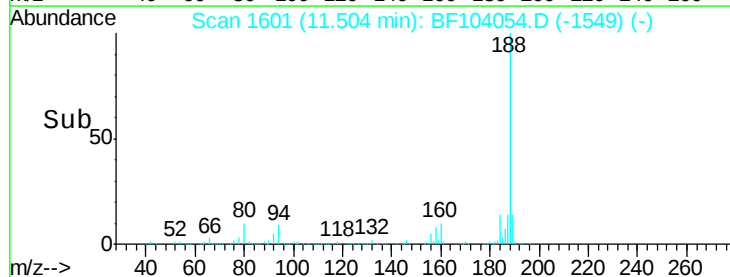
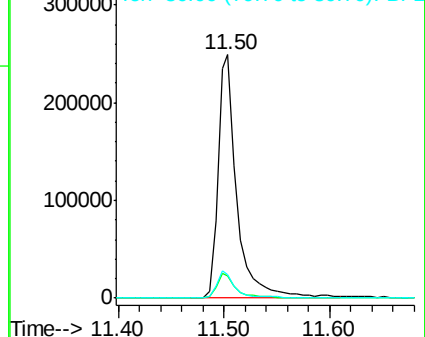
80 9.7 9.2 13.8

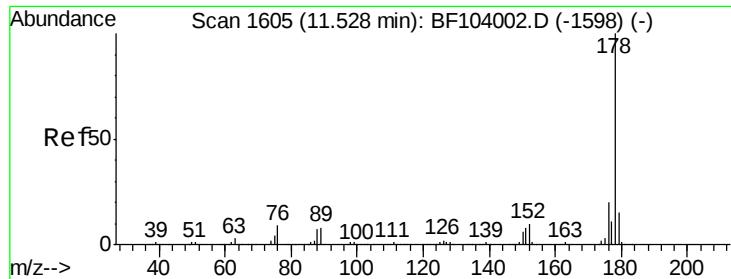


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

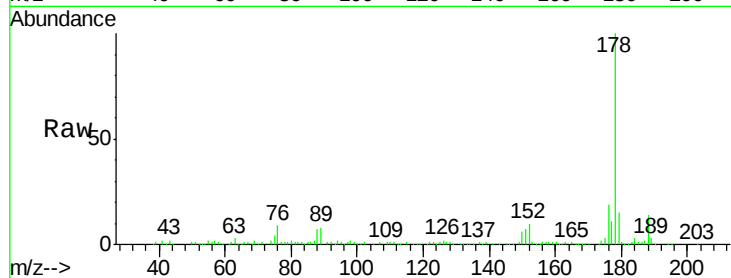




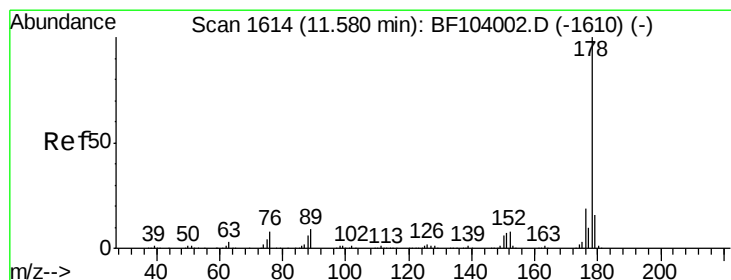
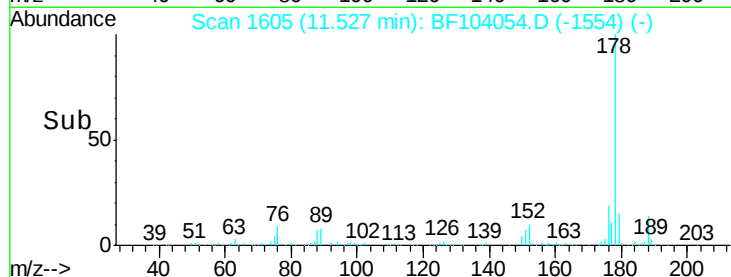
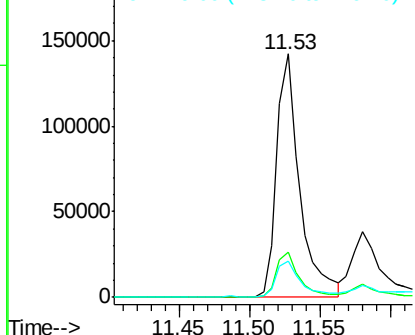
#70
Phenanthrene
Concen: 9.581 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104054.D
Acq: 29 Mar 2018 16:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 163542
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 14.9 13.0 19.6

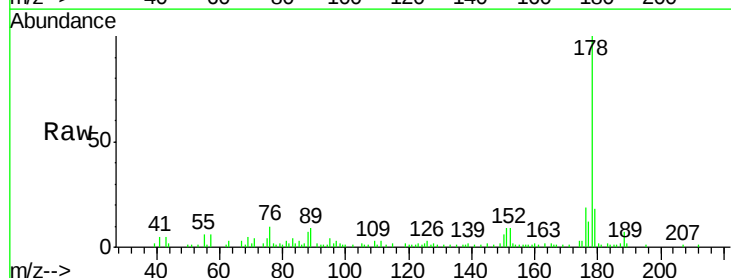


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

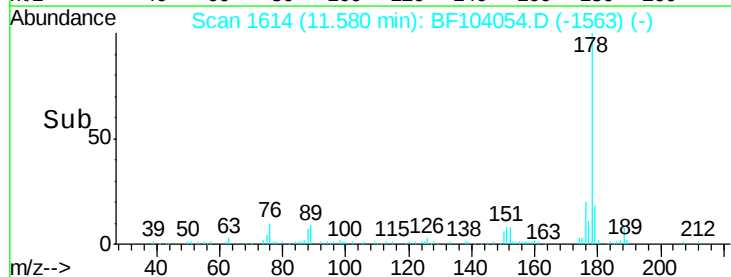
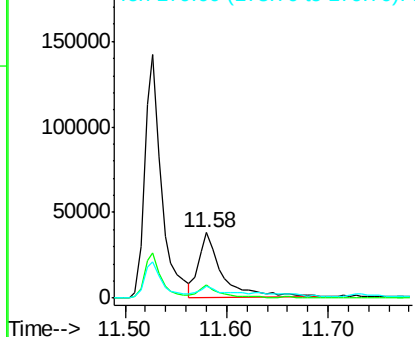


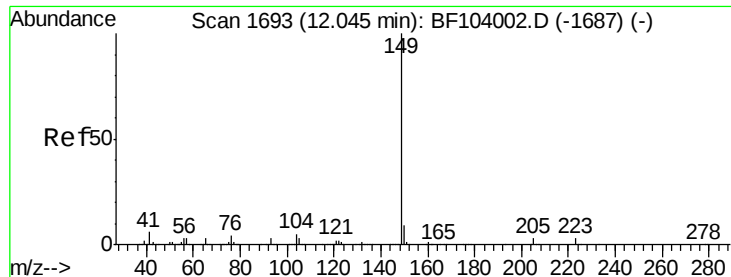
#71
Anthracene
Concen: 3.415 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.00 min
Lab File: BF104054.D
Acq: 29 Mar 2018 16:42

Tgt Ion:178 Resp: 60887
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 17.7 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





#73

Di-n-butylphthalate

Concen: 4.294 ng

RT: 12.04 min Scan# 1693

Delta R.T. -0.00 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

Instrument :

BNA_F

ClientSampleId :

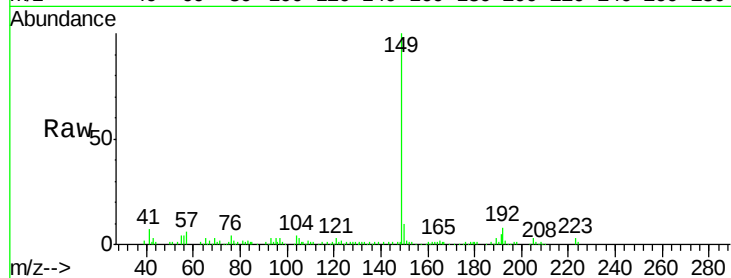
Tot Ion:149 Resp: 87047

Ion Ratio Lower Upper

149 100

150 9.5 7.8 11.6

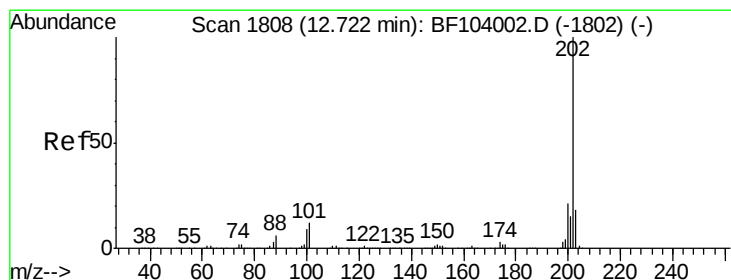
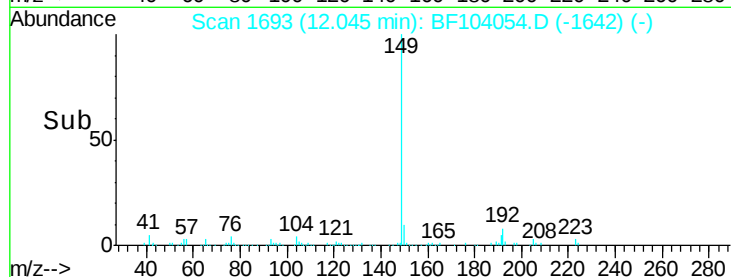
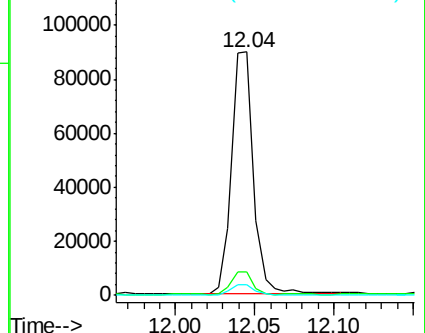
104 4.2 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 17.913 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

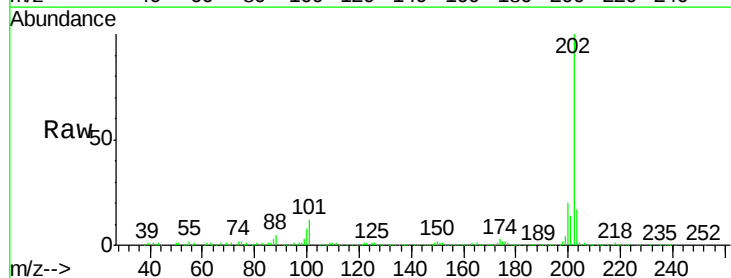
Tgt Ion:202 Resp: 325012

Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.1

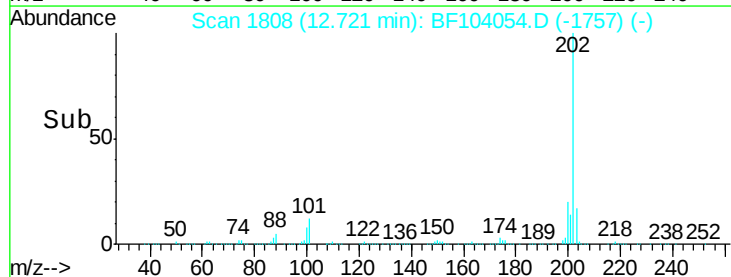
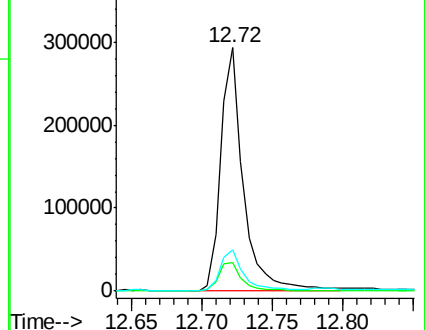
203 16.9 0.0 38.1

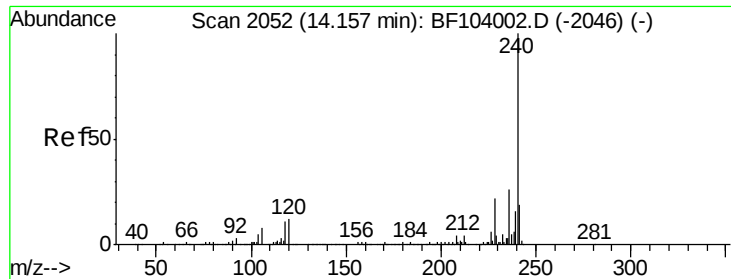


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2052

Delta R.T. -0.00 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

Instrument :

BNA_F

ClientSampled :

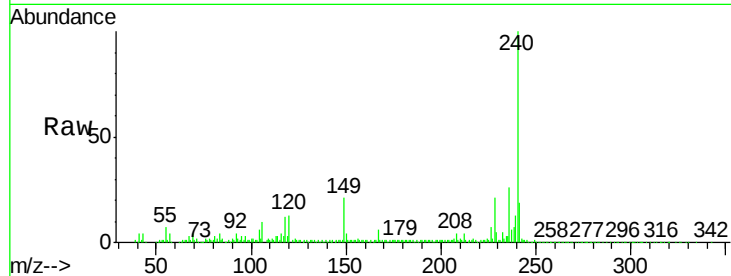
Tot Ion:240 Resp: 236254

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

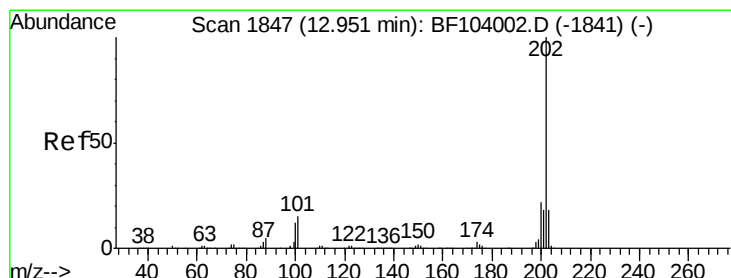
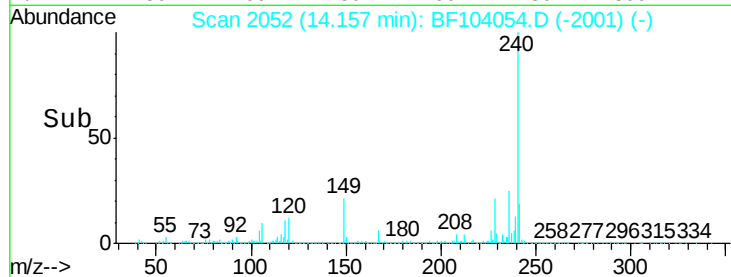
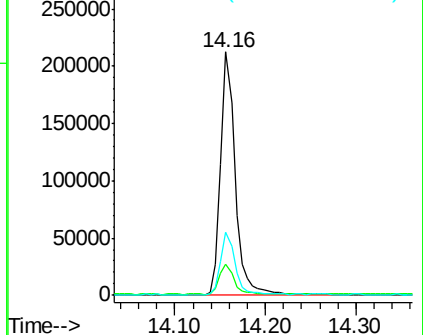
236 25.7 20.7 31.1



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: 16.403 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

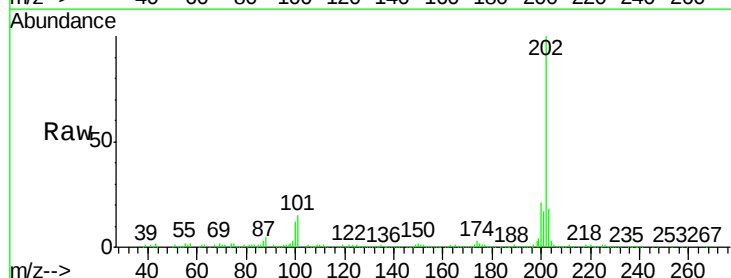
Tgt Ion:202 Resp: 278570

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

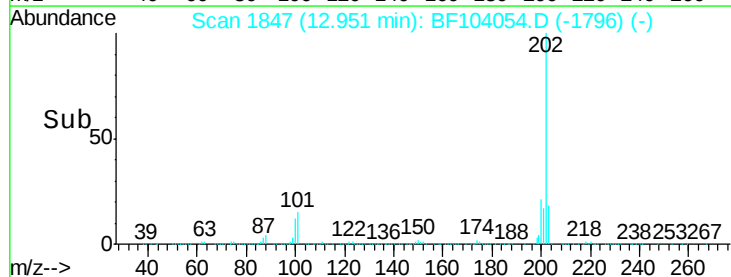
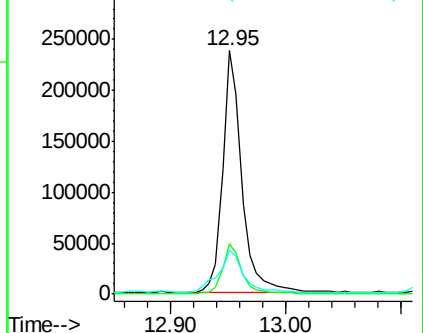
203 18.2 14.3 21.5

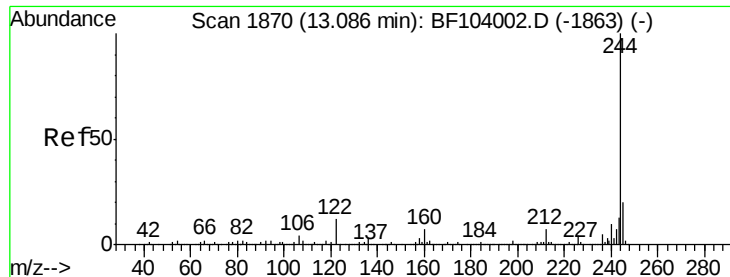


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 31.150 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

Instrument :

BNA_F

ClientSampleId :

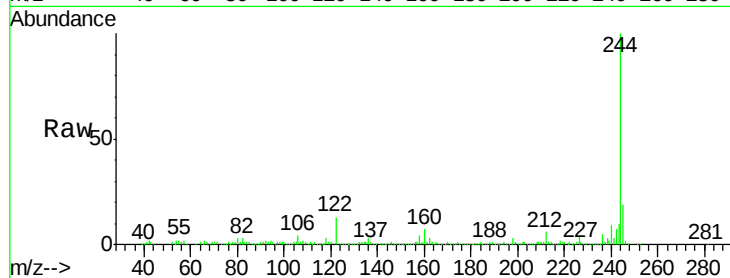
Tot Ion:244 Resp: 318730

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

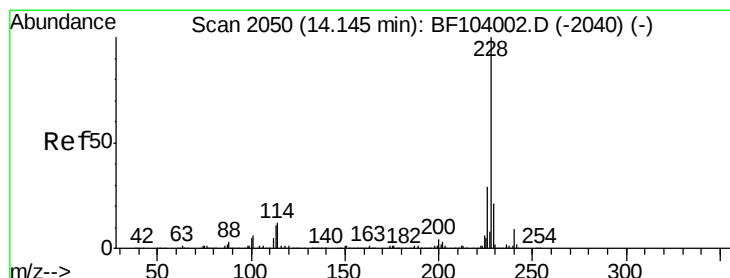
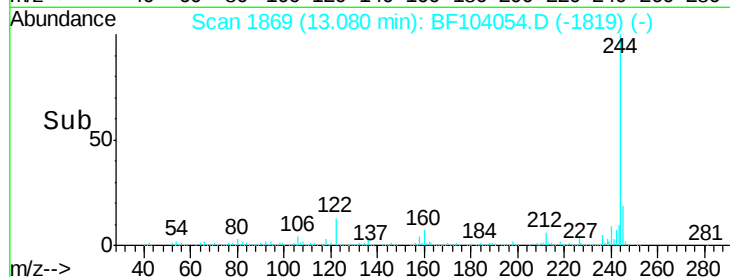
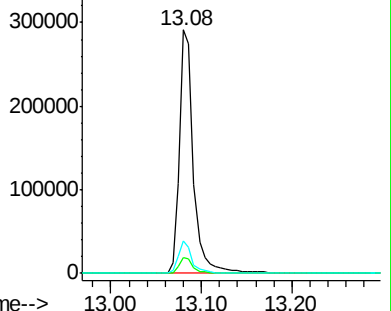
122 13.5 11.0 16.4



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: 8.670 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.00 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

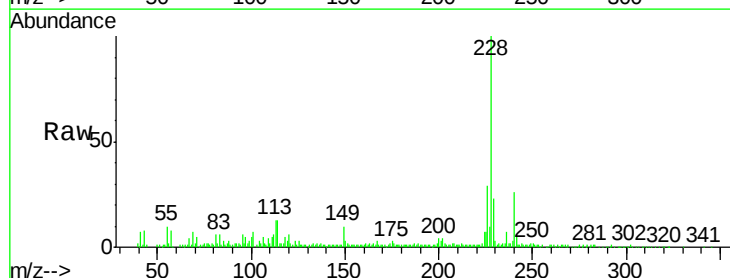
Tgt Ion:228 Resp: 128162

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

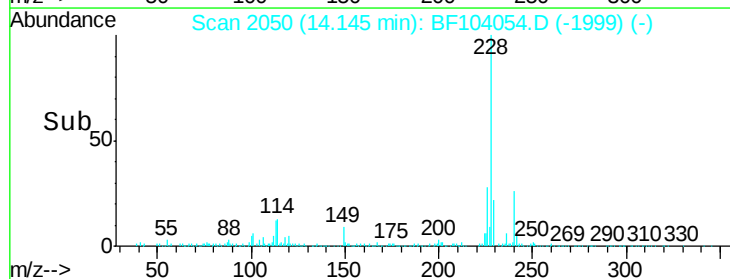
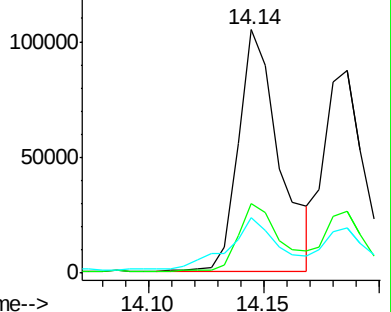
229 23.0 15.8 23.6

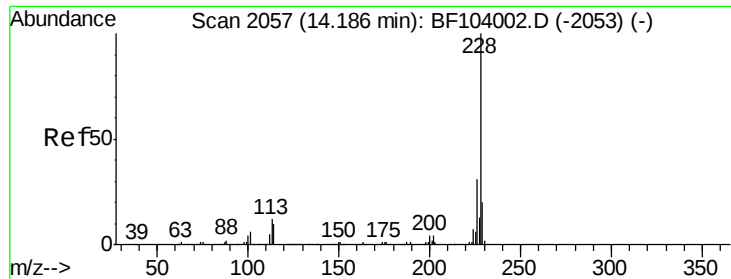


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.466 ng

RT: 14.19 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

Instrument :

BNA_F

ClientSampleId :

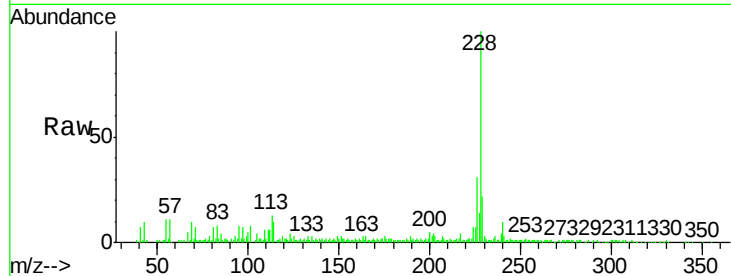
Tot Ion:228 Resp: 108105

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

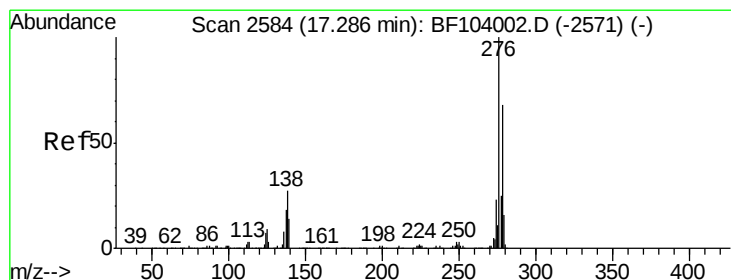
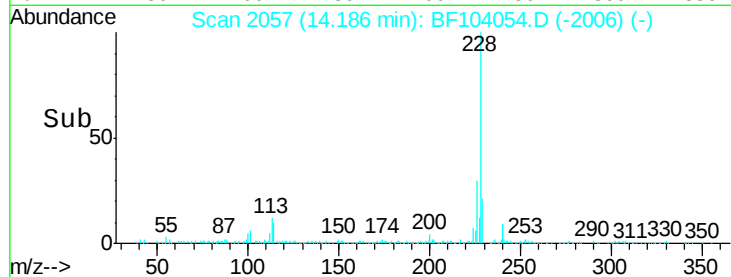
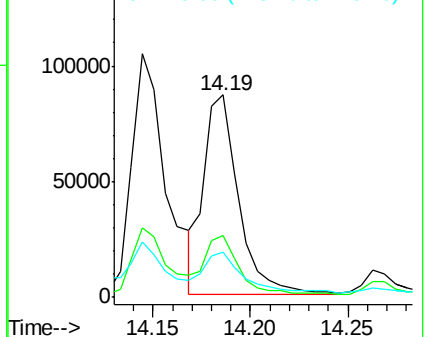
229 22.5 16.2 24.4



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: 2.081 ng

RT: 17.30 min Scan# 2586

Delta R.T. 0.01 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

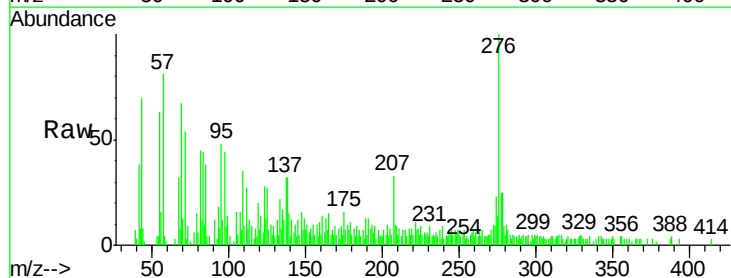
Tgt Ion:276 Resp: 31216

Ion Ratio Lower Upper

276 100

138 26.5 25.0 37.6

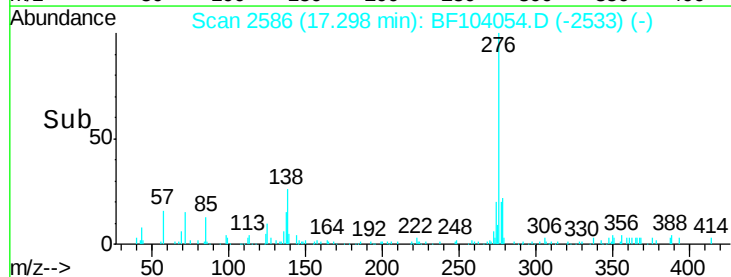
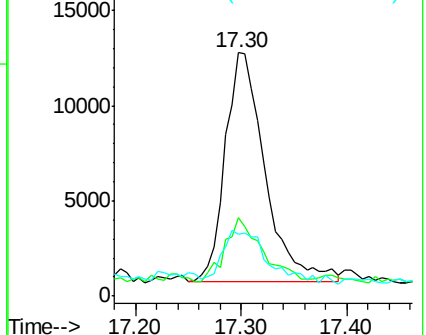
277 28.2 20.1 30.1

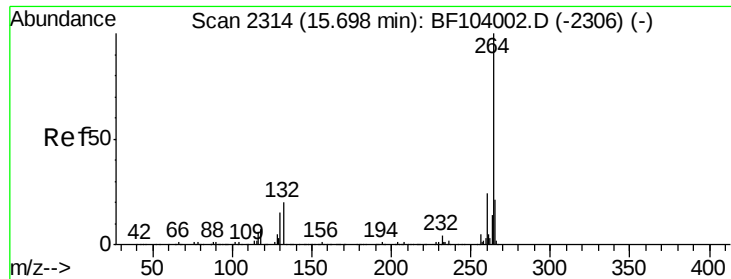


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

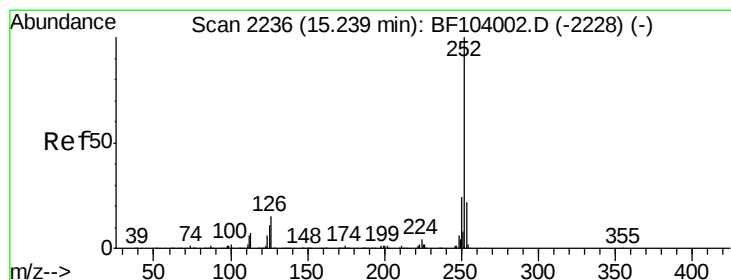
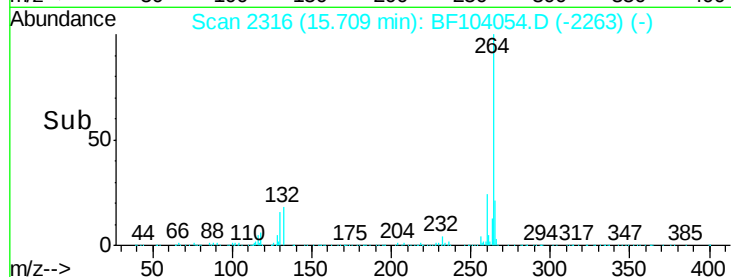
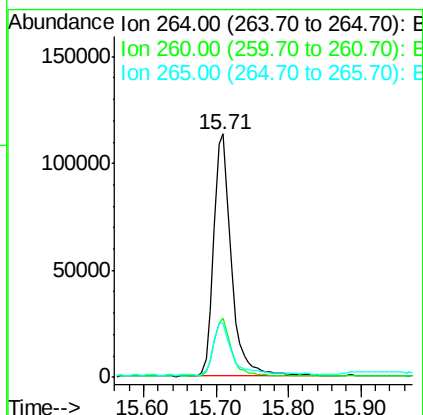
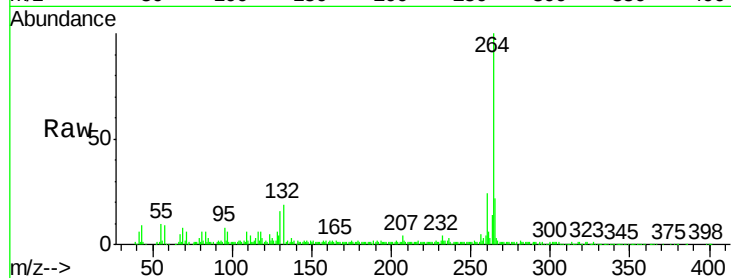




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. 0.01 min
Lab File: BF104054.D
Acq: 29 Mar 2018 16:42

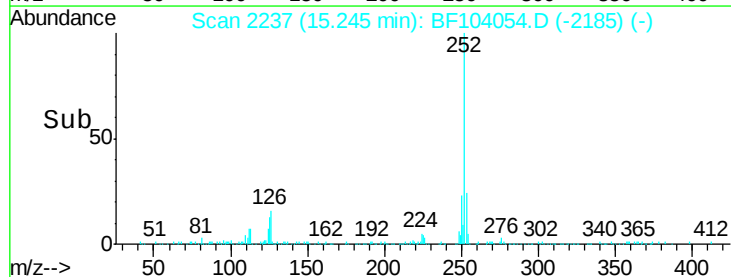
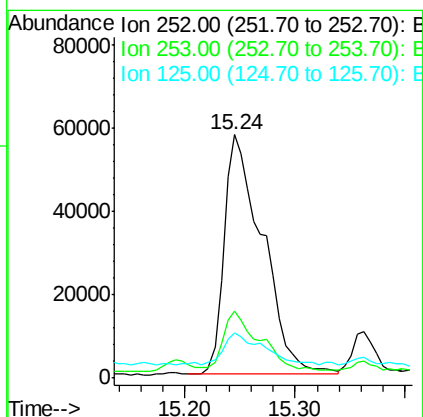
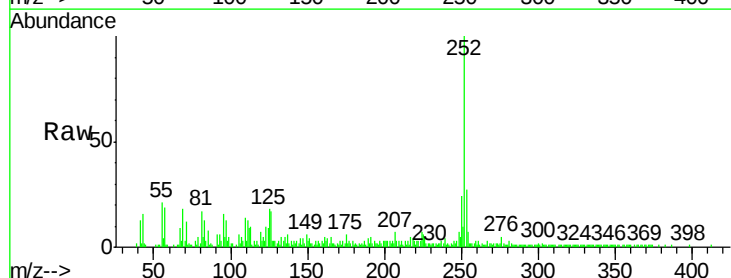
Instrument :
BNA_F
ClientSampleId :

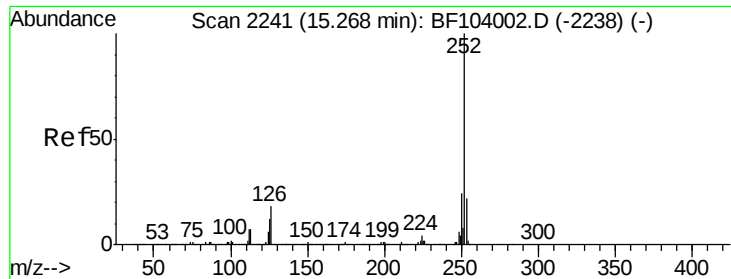
Tot Ion:264 Resp: 193304
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 22.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 11.906 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF104054.D
Acq: 29 Mar 2018 16:42

Tgt Ion:252 Resp: 140069
Ion Ratio Lower Upper
252 100
253 27.3 17.0 25.6#
125 18.5 9.0 13.6#

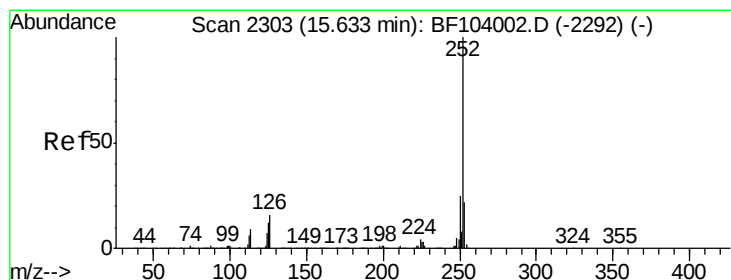
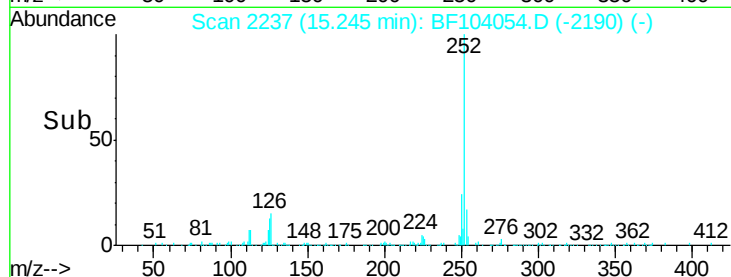
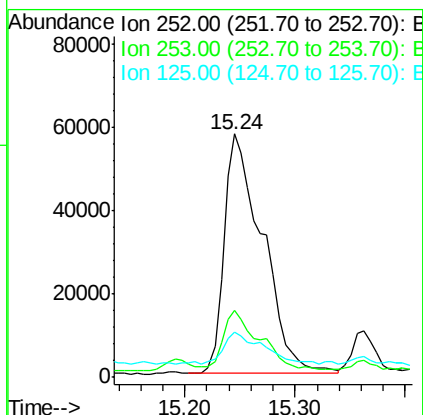
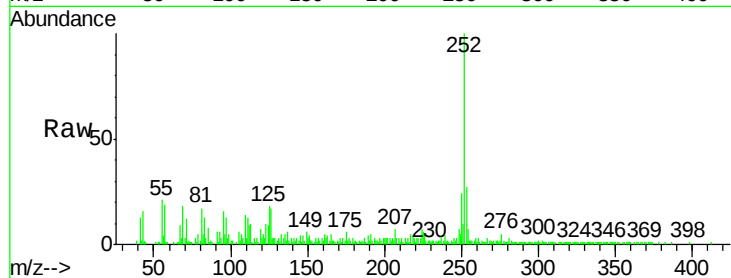




#88
Benzo(k)fluoranthene
Concen: 12.639 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF104054.D
Acq: 29 Mar 2018 16:42

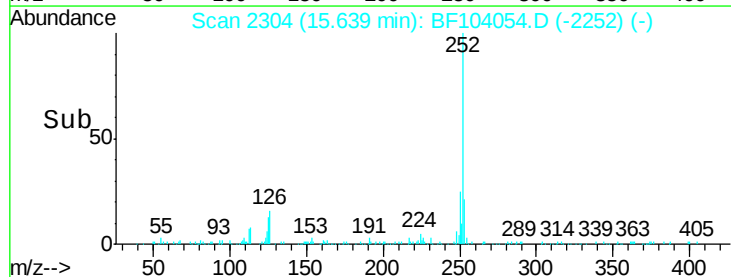
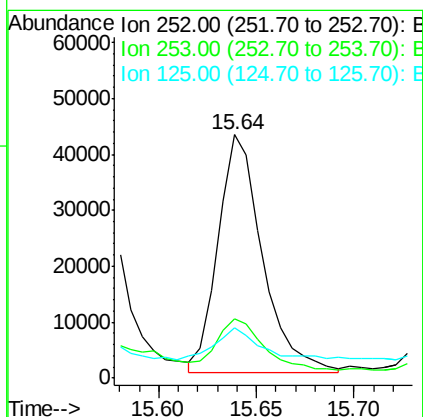
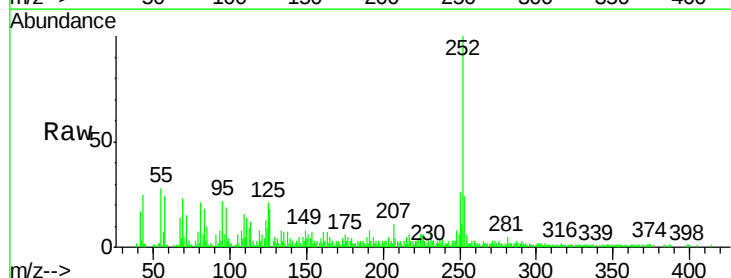
Instrument :
BNA_F
ClientSampleId :

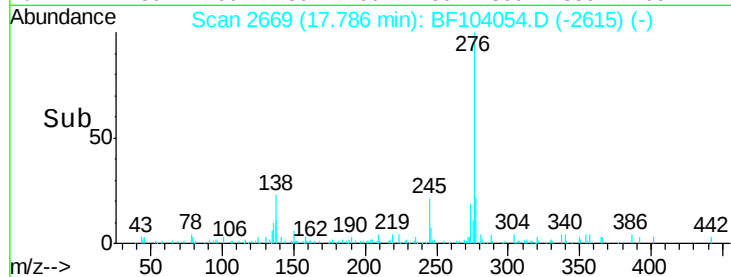
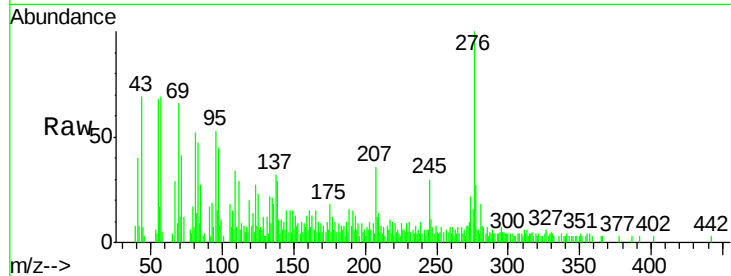
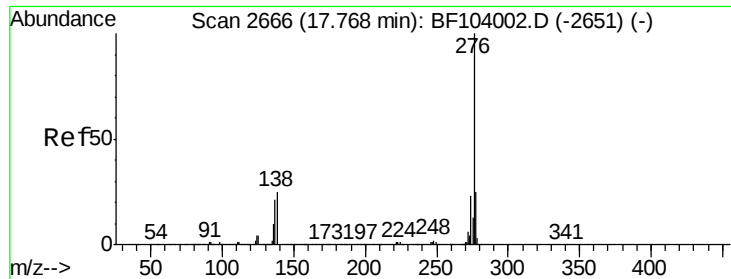
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.9	26.9#
125	18.5	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 6.155 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.01 min
Lab File: BF104054.D
Acq: 29 Mar 2018 16:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	20.6	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 3.020 ng

RT: 17.79 min Scan# 2669

Delta R.T. 0.02 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 30491

Ion Ratio Lower Upper

276 100

277 27.3 17.9 26.9#

138 29.2 21.8 32.8

