

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103430.D
 Acq On : 6 Mar 2018 00:54
 Operator : SJ/JU
 Sample : J1778-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 06 02:36:57 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	139383	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	563278	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	224477	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	333115	20.00	ng	0.00
75) Chrysene-d12	14.07	240	209735	20.00	ng	0.00
86) Perylene-d12	15.58	264	147357	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1036984	112.52	ng	0.00
7) Phenol-d6	6.52	99	1276786	113.22	ng	0.00
23) Nitrobenzene-d5	7.44	82	742110	75.24	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	157709	83.00	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	921501	67.24	ng	0.00
78) Terphenyl-d14	13.00	244	646393	74.09	ng	0.00

Target Compounds

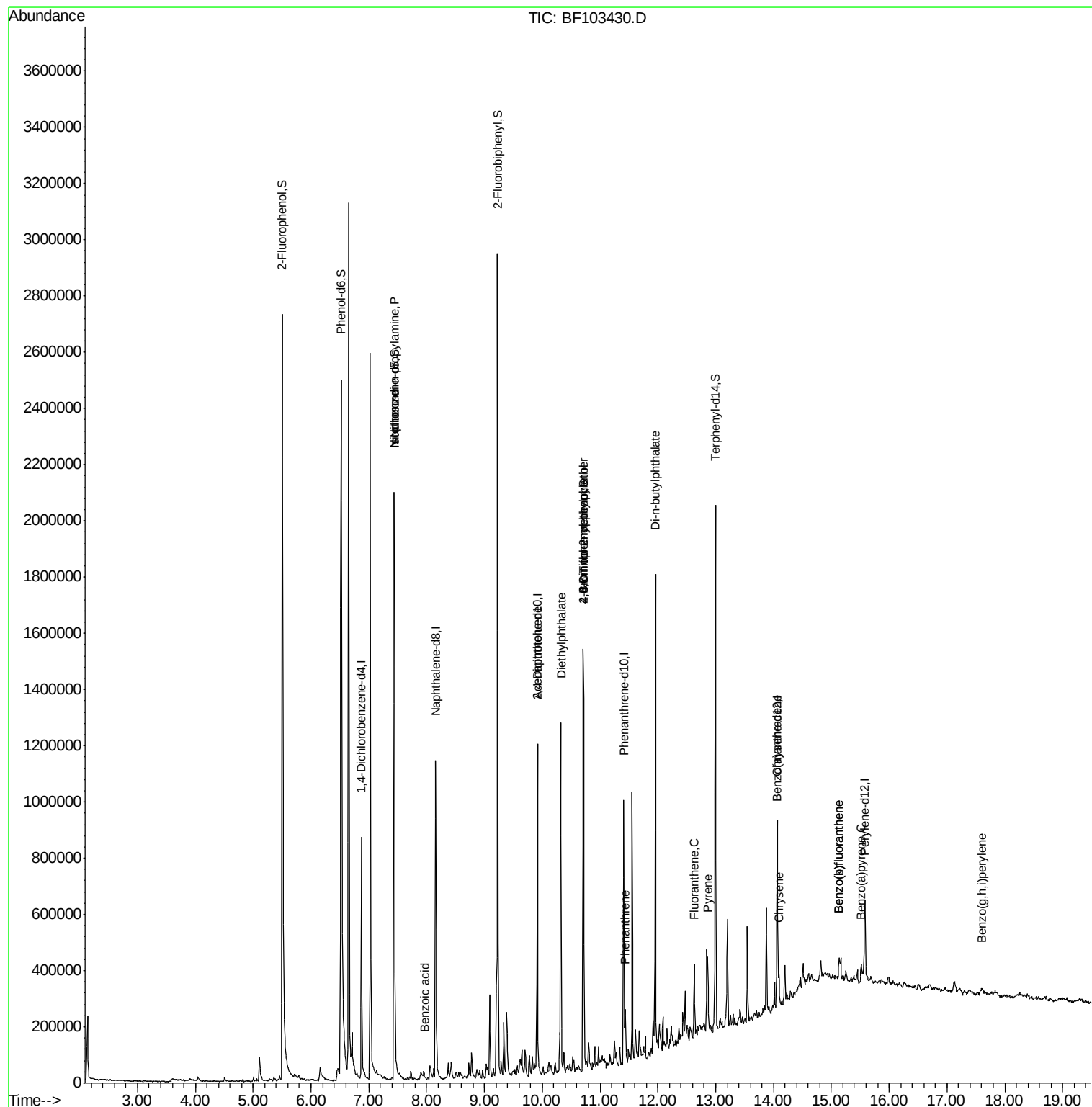
						Qvalue
9) Benzaldehyde	6.40	77	735	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.44	70	100648	14.341 ng	#	87
25) Isophorone	7.44	82	742107	38.202 ng	#	64
32) Benzoic acid	7.97	122	1196	7.090 ng	#	79
56) 2,4-Dinitrotoluene	9.92	165	29550	6.183 ng	#	25
59) Diethylphthalate	10.32	149	399624	23.203 ng		99
64) 4,6-Dinitro-2-methylphenol	10.71	198	364	5.106 ng	#	1
66) 4-Bromophenyl-phenylether	10.72	248	10886	3.137 ng	#	1
70) Phenanthrene	11.43	178	51159	2.791 ng		98
73) Di-n-butylphthalate	11.96	149	803109	34.285 ng		99
74) Fluoranthene	12.63	202	90377	4.906 ng		99
77) Pvrene	12.86	202	103809	6.348 ng		99
80) Benzo(a)anthracene	14.06	228	49835	3.662 ng		97
82) Chrysene	14.09	228	45923	3.475 ng		96
87) Benzo(b)fluoranthene	15.13	252	57486	5.933 ng	#	90
88) Benzo(k)fluoranthene	15.13	252	57486	6.301 ng	#	90
89) Benzo(a)pvrene	15.52	252	30393	3.513 ng	#	82
91) Benzo(g,h,i)perylene	17.60	276	20105	3.077 ng	#	87

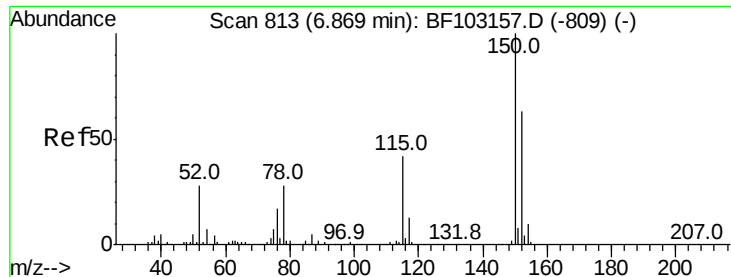
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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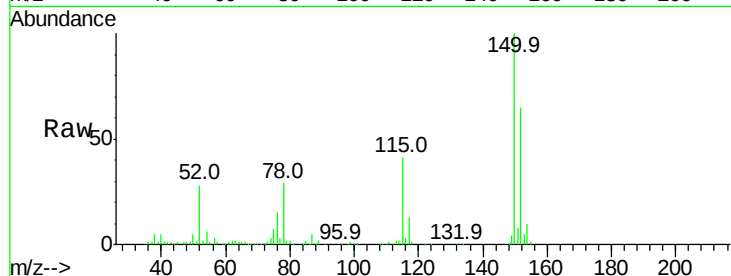


#1

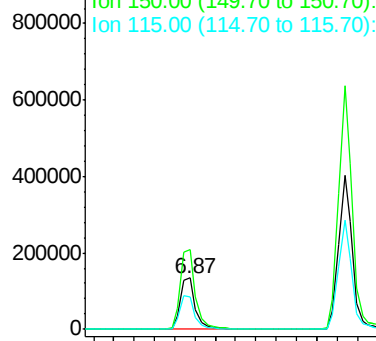
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103430.D
Acq: 6 Mar 2018 00:54

Instrument :
BNA_F
ClientSampleId :

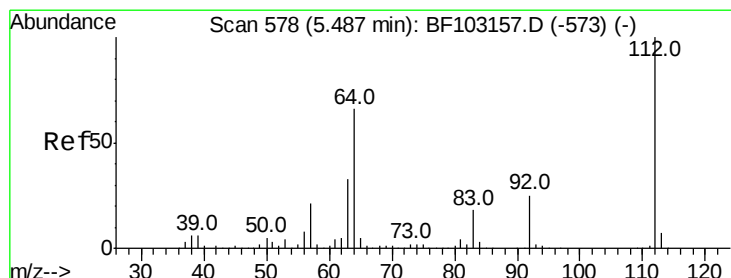
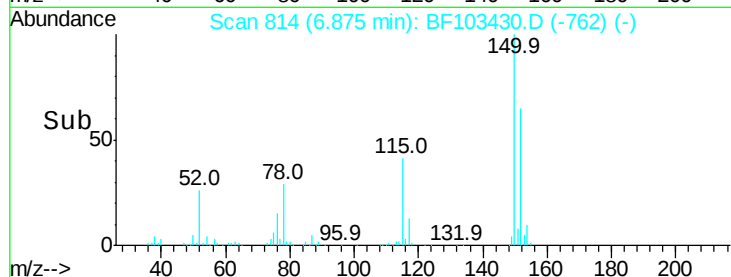
Tot Ion:152 Resp: 139383
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 63.4 50.1 75.1



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



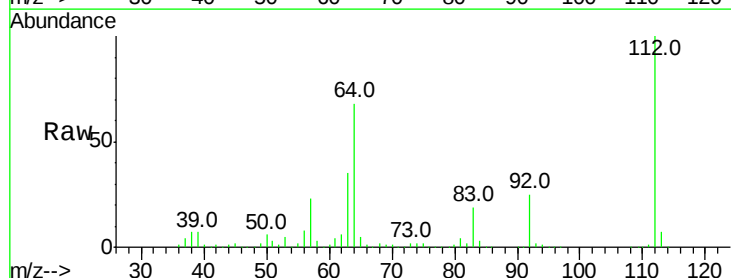
Time-->



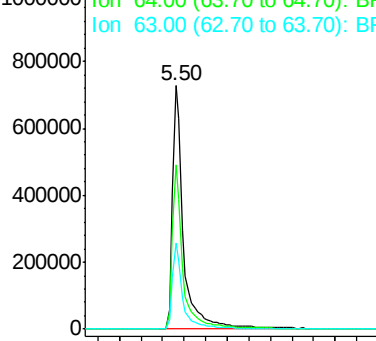
#5

2-Fluorophenol
Concen: 112.522 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF103430.D
Acq: 6 Mar 2018 00:54

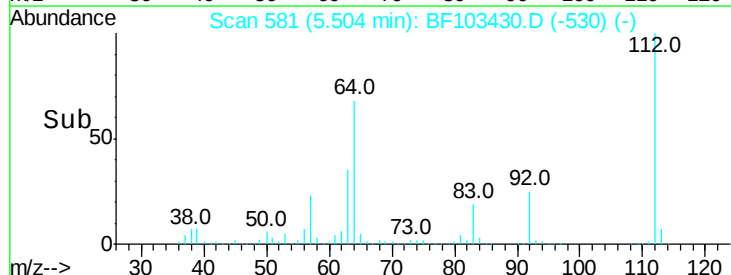
Tgt Ion:112 Resp: 1036984
Ion Ratio Lower Upper
112 100
64 67.7 47.9 71.9
63 35.3 23.7 35.5

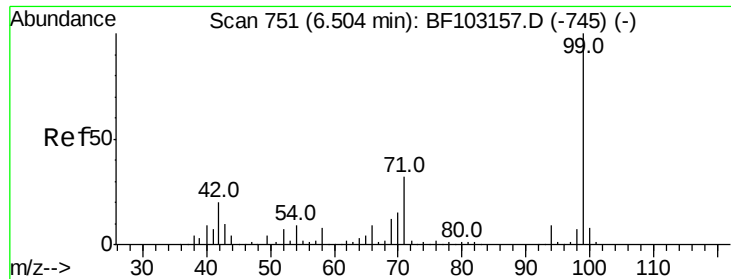


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



Time-->





#7

Phenol-d6

Concen: 113.221 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF103430.D

Acq: 6 Mar 2018 00:54

Instrument :

BNA_F

ClientSampleId :

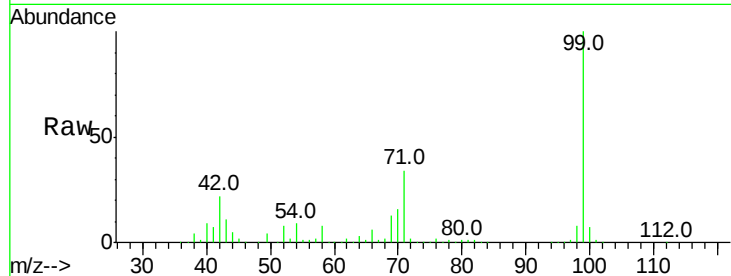
Tot Ion: 99 Resp: 1276786

Ion Ratio Lower Upper

99 100

42 21.9 14.5 21.7#

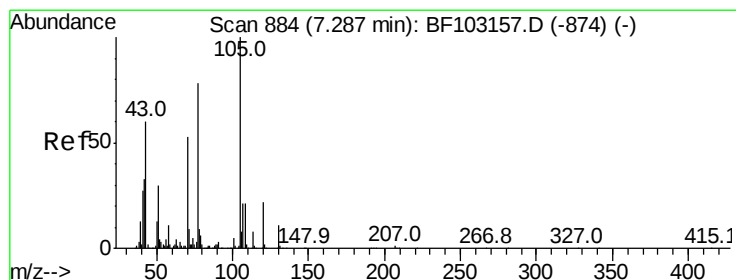
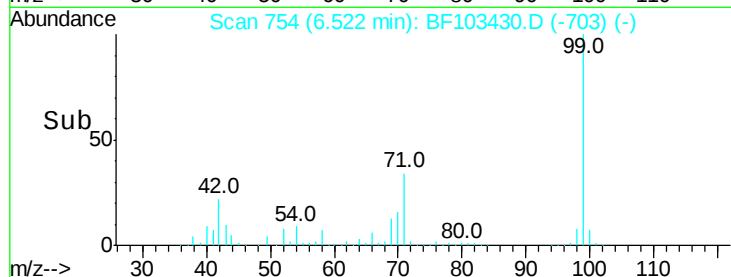
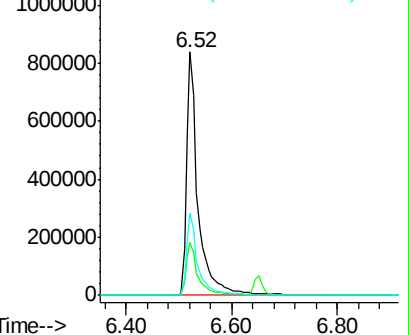
71 33.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.341 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.16 min

Lab File: BF103430.D

Acq: 6 Mar 2018 00:54

Tgt Ion: 70 Resp: 100648

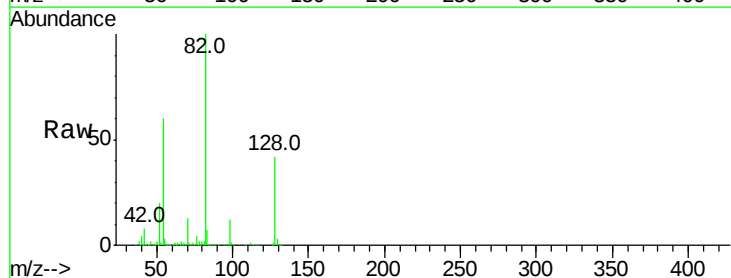
Ion Ratio Lower Upper

70 100

42 57.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

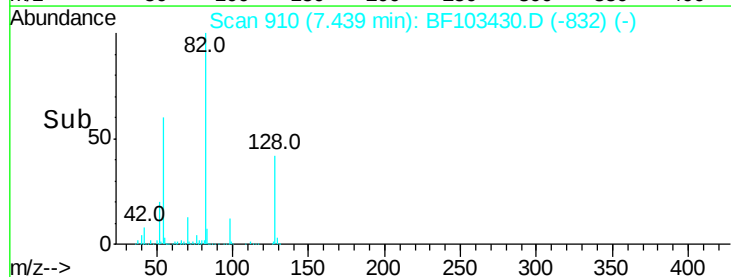
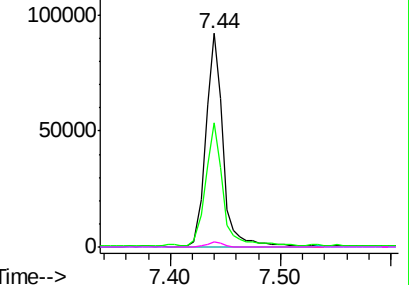


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

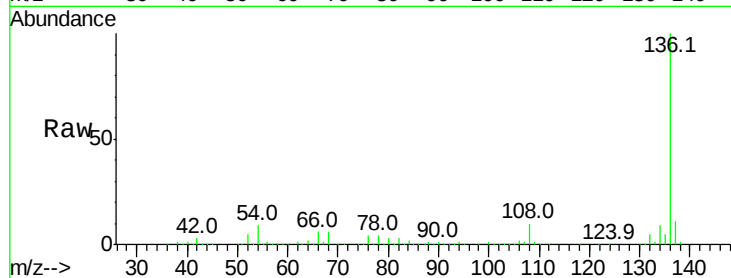




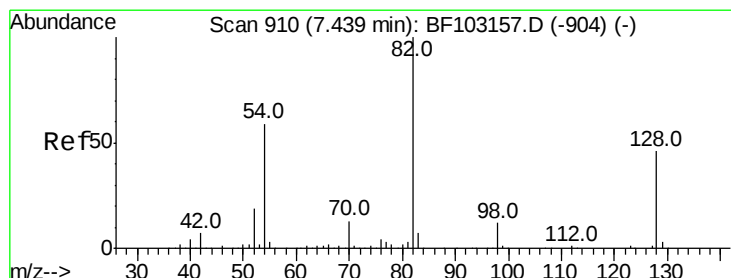
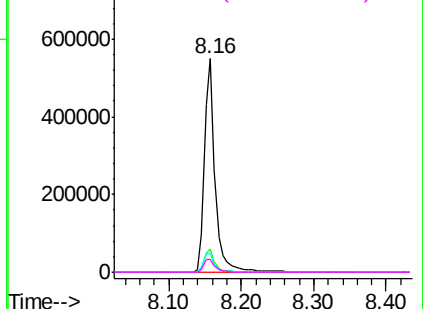
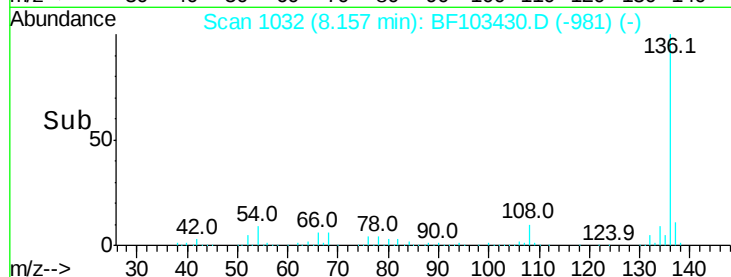
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF103430.D
Acq: 6 Mar 2018 00:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	563278
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.0	6.6	9.8
68	6.2	5.0	7.4

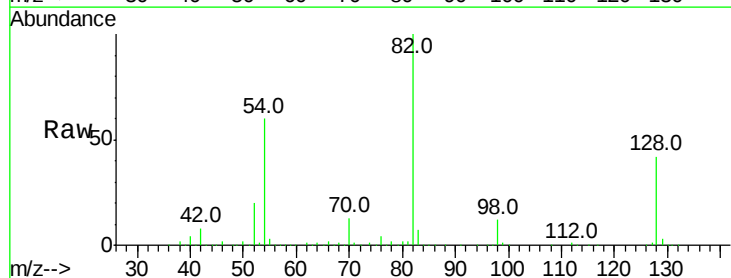


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

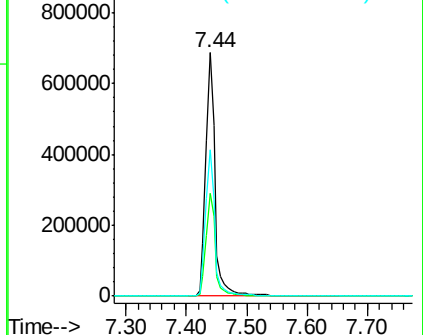
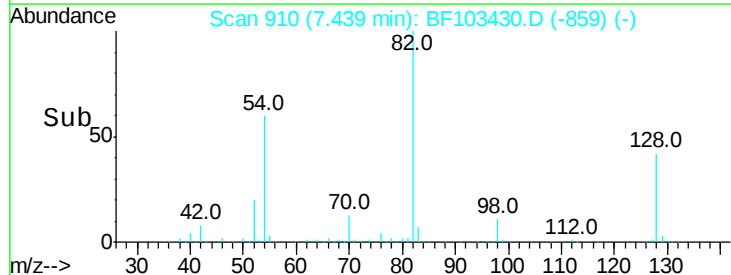


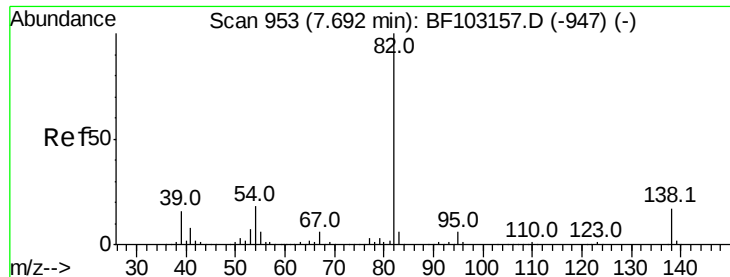
#23
Nitrobenzene-d5
Concen: 75.239 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF103430.D
Acq: 6 Mar 2018 00:54

Tgt Ion:	82	Resp:	742110
Ion	Ratio	Lower	Upper
82	100		
128	42.5	36.1	54.1
54	60.0	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: 38.202 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103430.D

Acq: 6 Mar 2018 00:54

Instrument :

BNA_F

ClientSampled :

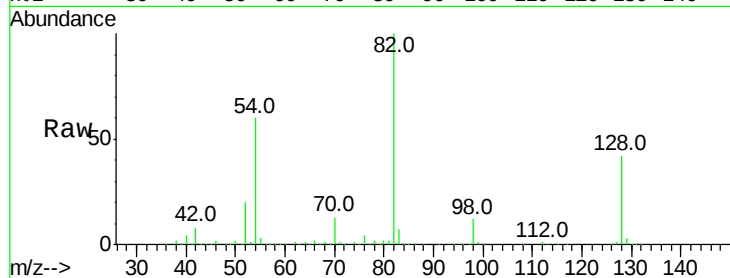
Tot Ion: 82 Resp: 742107

Ion Ratio Lower Upper

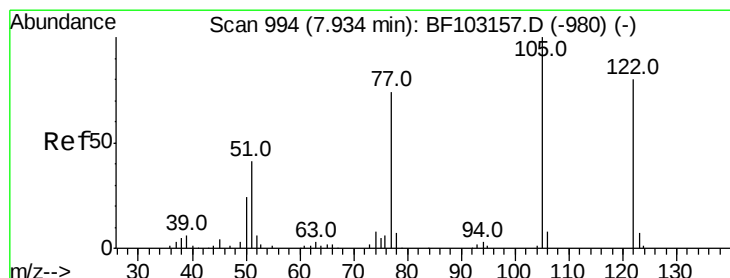
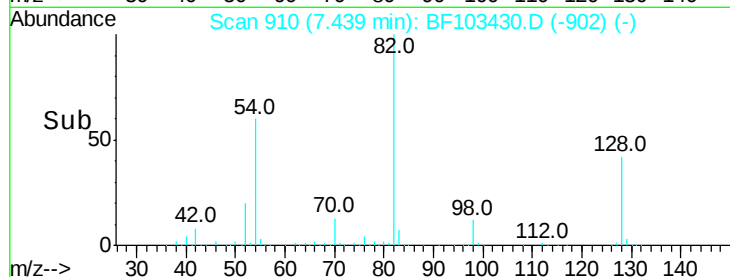
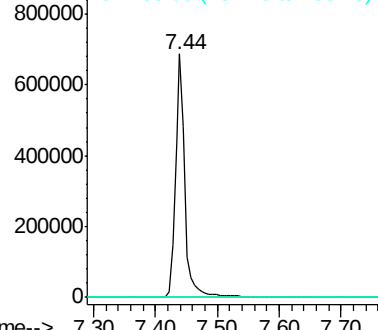
82 100

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: 7.090 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.01 min

Lab File: BF103430.D

Acq: 6 Mar 2018 00:54

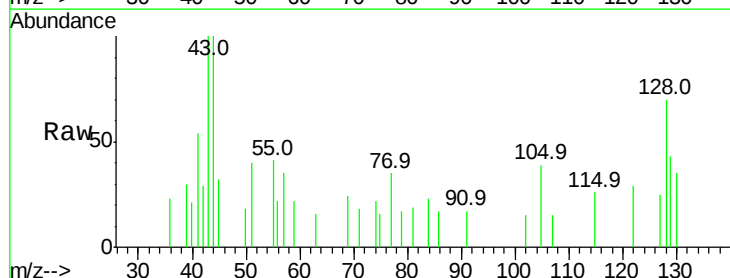
Tgt Ion: 122 Resp: 1196

Ion Ratio Lower Upper

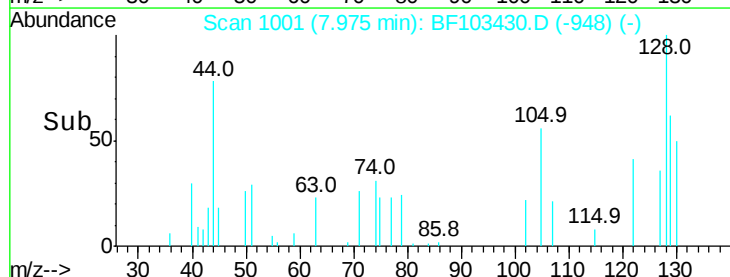
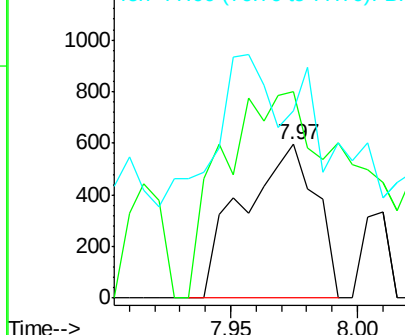
122 100

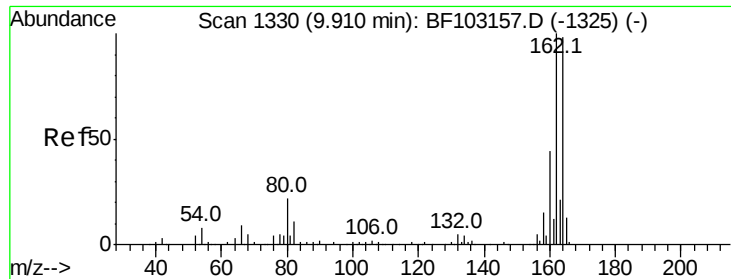
105 134.6 101.1 141.1

77 122.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF103430.D

Acq: 6 Mar 2018 00:54

Instrument :

BNA_F

ClientSampleId :

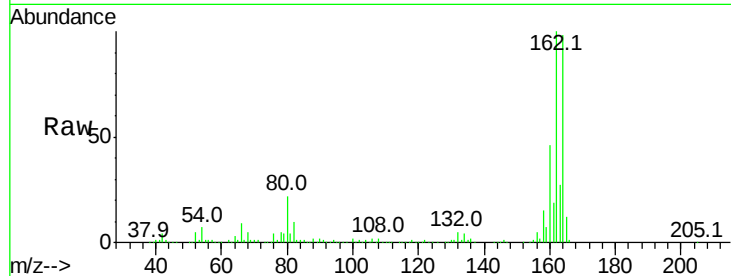
Tot Ion:164 Resp: 224477

Ion Ratio Lower Upper

164 100

162 102.0 86.1 129.1

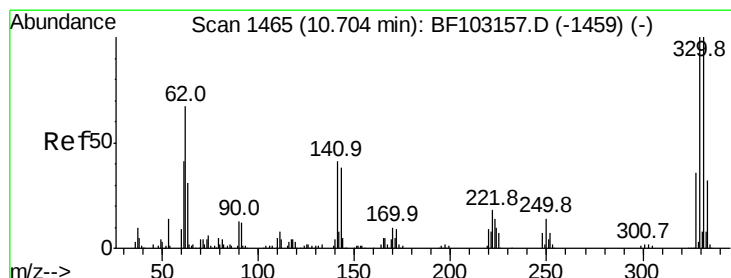
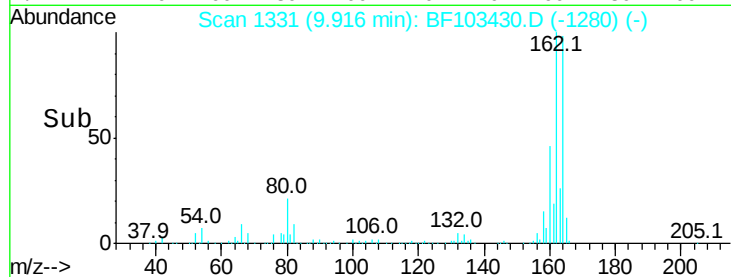
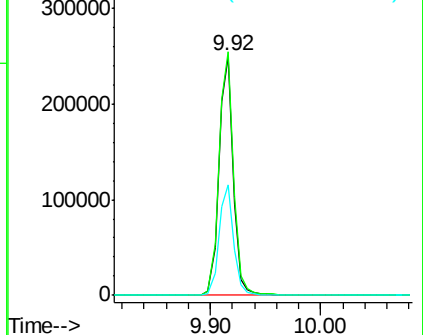
160 46.5 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 83.001 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BF103430.D

Acq: 6 Mar 2018 00:54

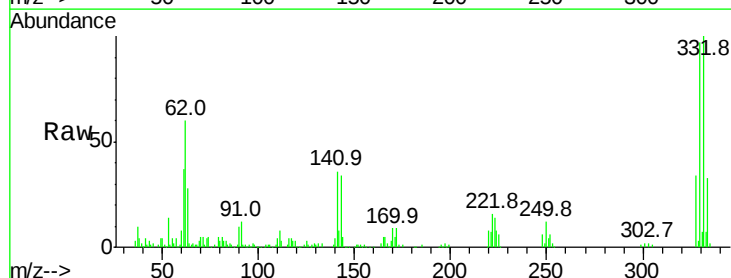
Tgt Ion:330 Resp: 157709

Ion Ratio Lower Upper

330 100

332 102.7 77.0 115.6

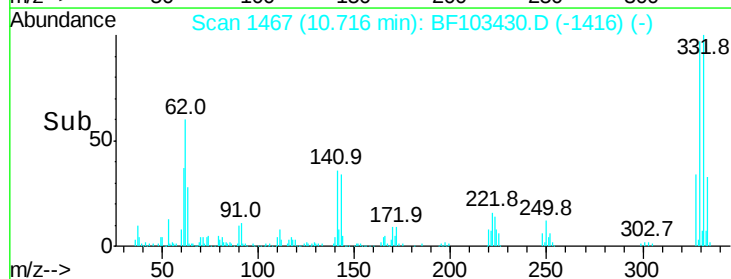
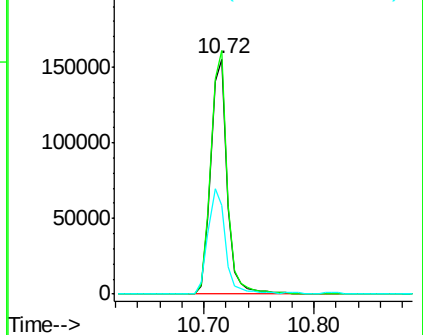
141 47.7 29.9 44.9#

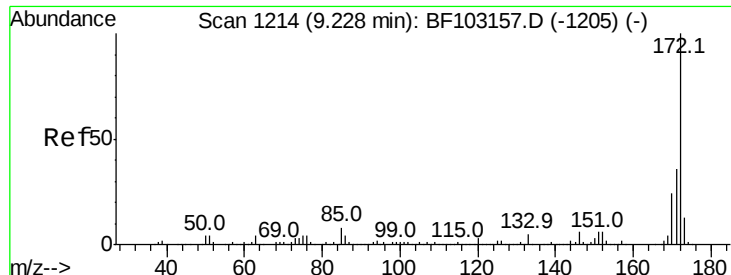


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

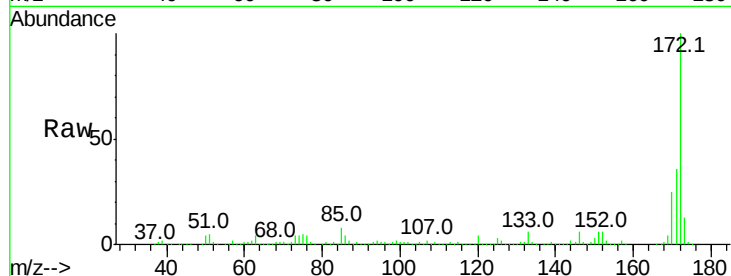




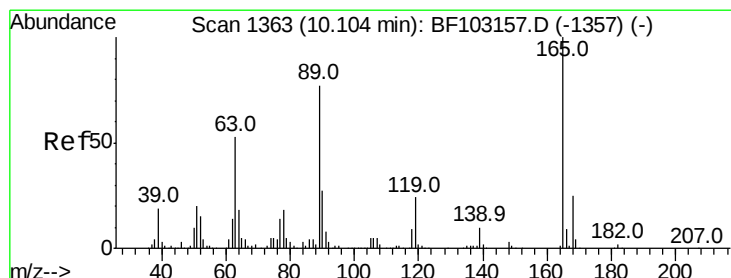
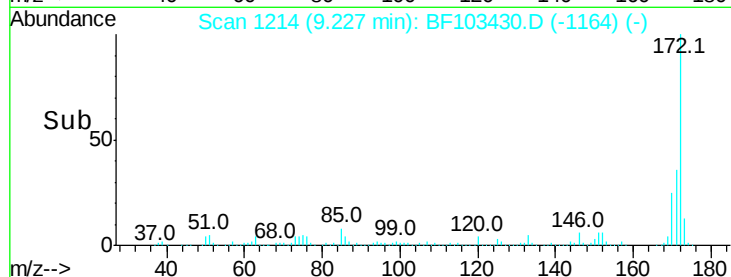
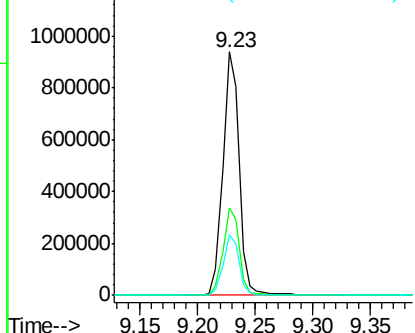
#44
 2-Fluorobiphenyl
 Concen: 67.235 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103430.D
 Acq: 6 Mar 2018 00:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 921501
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.7 19.6 29.4

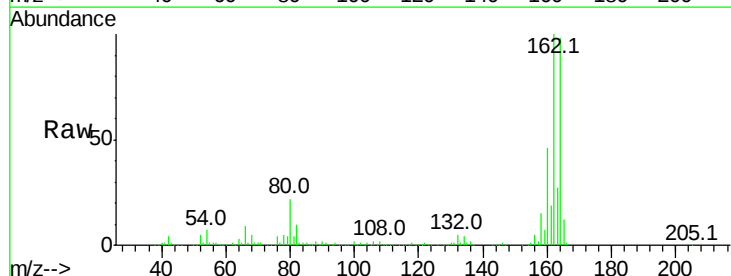


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

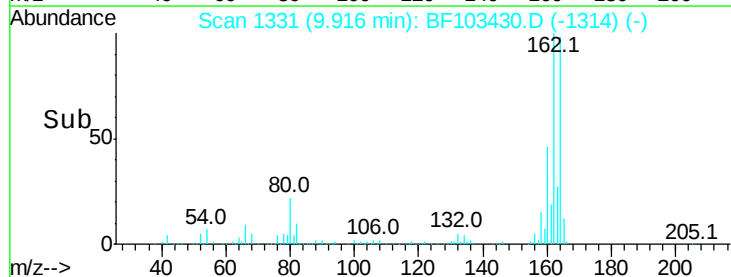
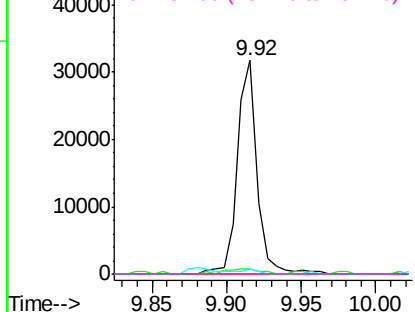


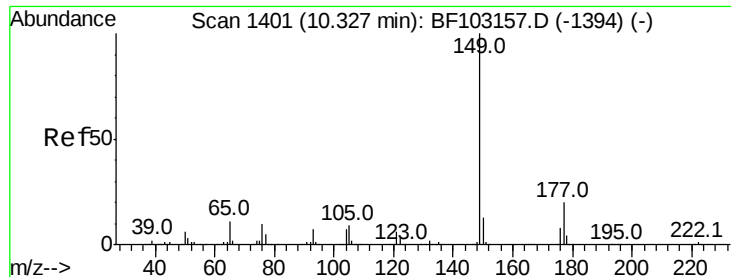
#56
 2,4-Dinitrotoluene
 Concen: 6.183 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.20 min
 Lab File: BF103430.D
 Acq: 6 Mar 2018 00:54

Tgt Ion:165 Resp: 29550
 Ion Ratio Lower Upper
 165 100
 63 2.7 36.4 54.6#
 89 2.4 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

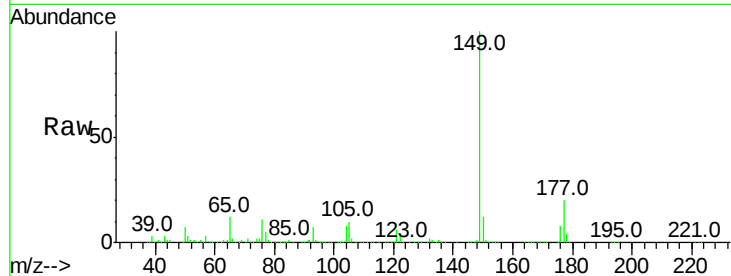




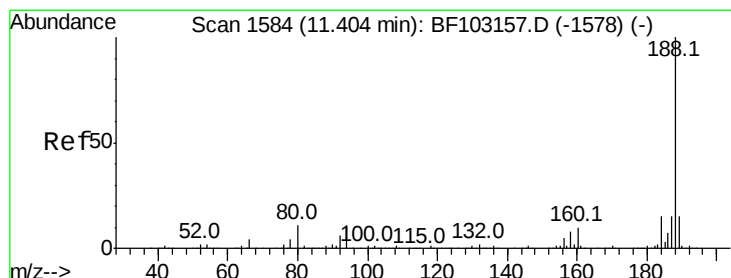
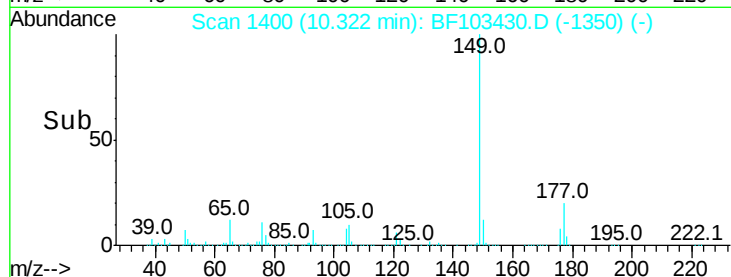
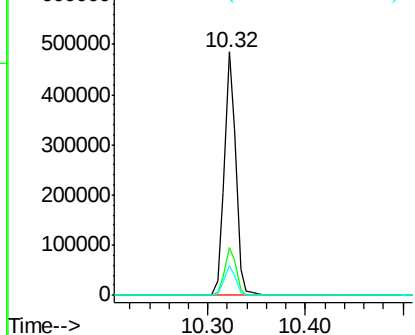
#59
Diethylphthalate
Concen: 23.203 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.01 min
Lab File: BF103430.D
Acq: 6 Mar 2018 00:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:149 Resp: 399624
Ion Ratio Lower Upper
149 100
177 19.7 16.1 24.1
150 12.3 10.1 15.1

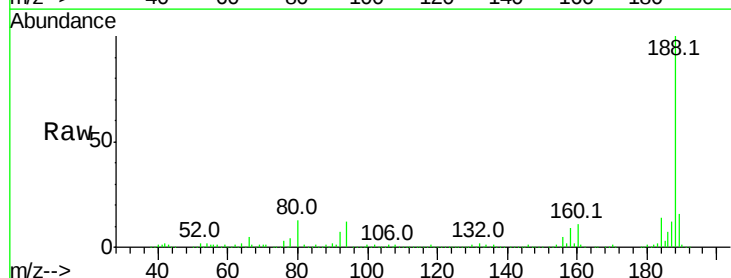


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

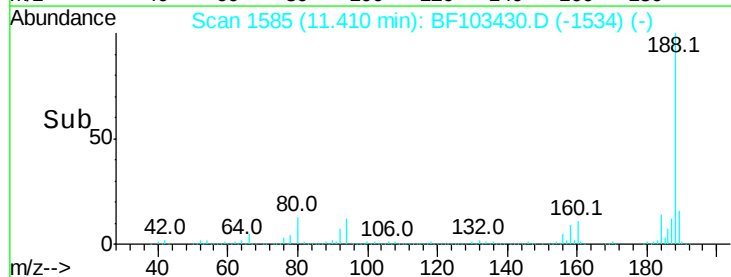
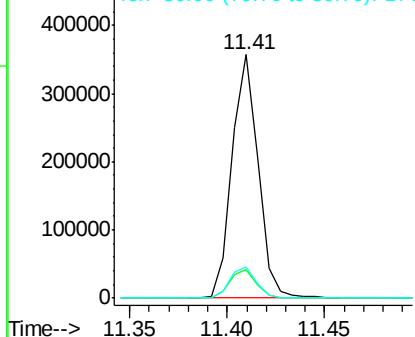


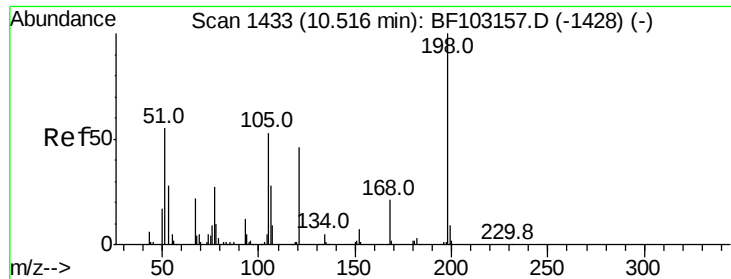
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF103430.D
Acq: 6 Mar 2018 00:54

Tgt Ion:188 Resp: 333115
Ion Ratio Lower Upper
188 100
94 11.8 8.5 12.7
80 12.6 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: 5.106 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.18 min

Lab File: BF103430.D

Acq: 6 Mar 2018 00:54

Instrument :

BNA_F

ClientSampled :

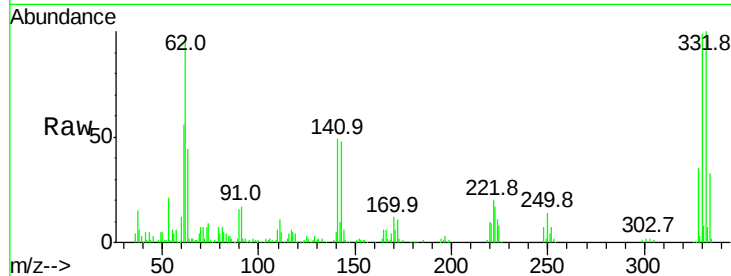
Tot Ion:198 Resp: 364

Ion Ratio Lower Upper

198 100

51 182.2 37.7 77.7#

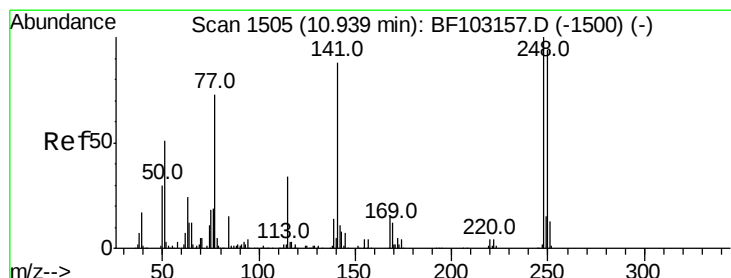
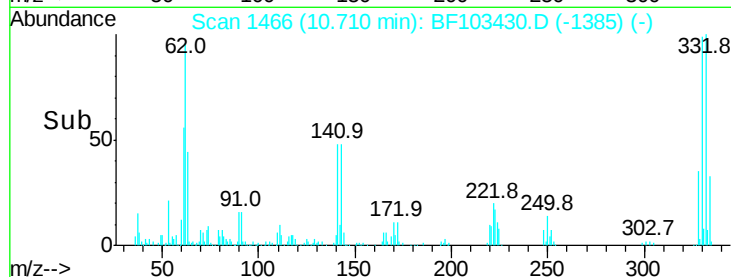
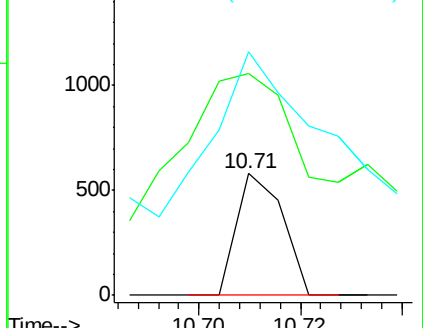
105 200.5 36.3 76.3#



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: 3.137 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.23 min

Lab File: BF103430.D

Acq: 6 Mar 2018 00:54

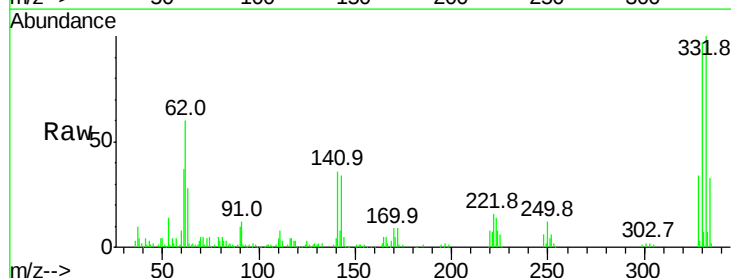
Tgt Ion:248 Resp: 10886

Ion Ratio Lower Upper

248 100

250 198.1 76.9 115.3#

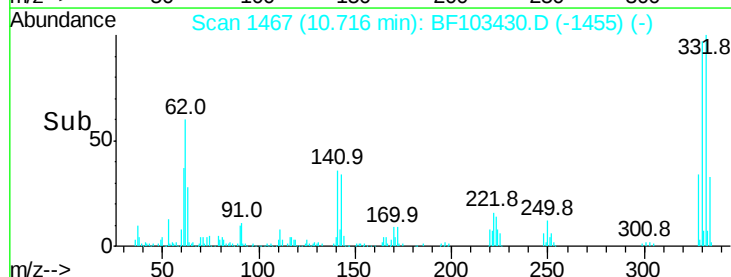
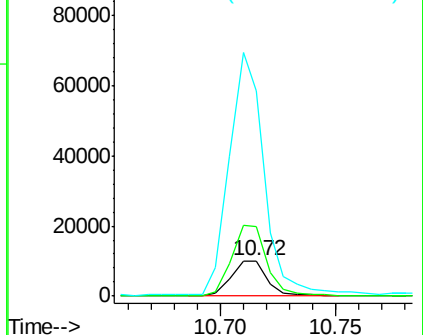
141 580.8 74.4 111.6#

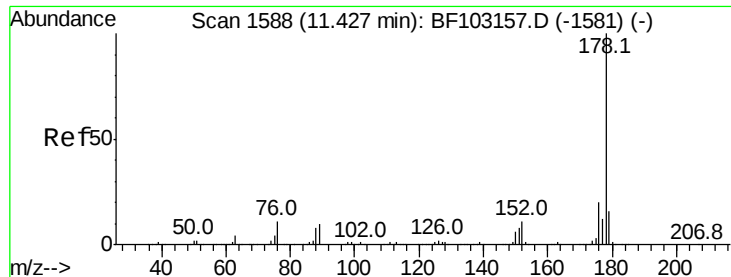


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.791 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BF103430.D

Acq: 6 Mar 2018 00:54

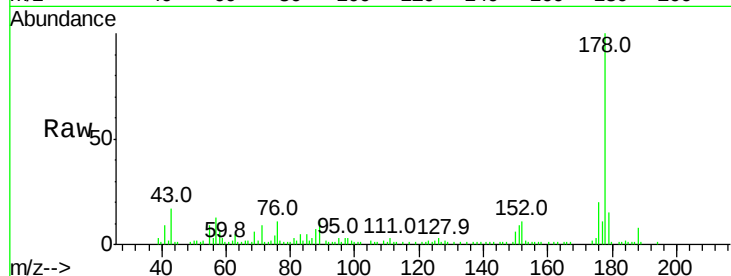
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 51159

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	14.9	13.0	19.6

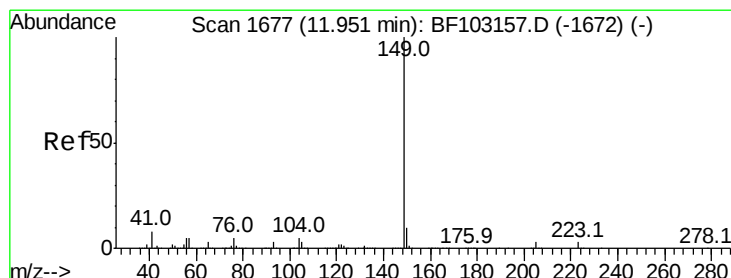
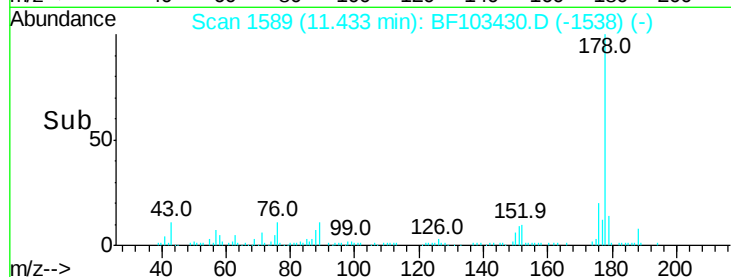
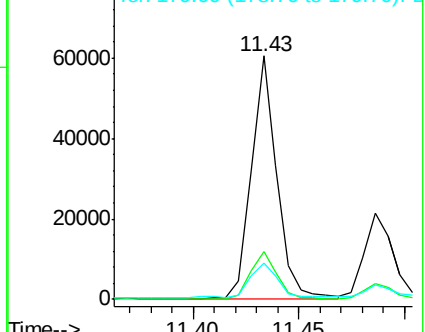


Abundance

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



#73

Di-n-butylphthalate

Concen: 34.285 ng

RT: 11.96 min Scan# 1678

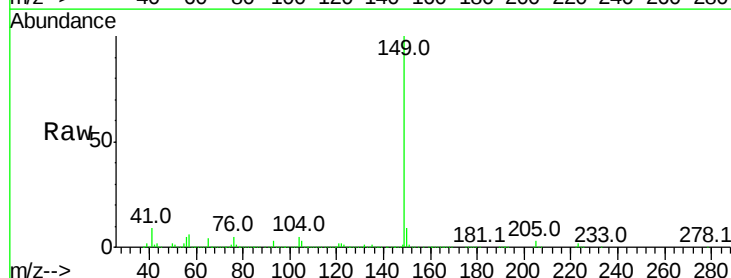
Delta R.T. -0.00 min

Lab File: BF103430.D

Acq: 6 Mar 2018 00:54

Tgt Ion:149 Resp: 803109

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.8	11.6
104	5.1	3.8	5.8

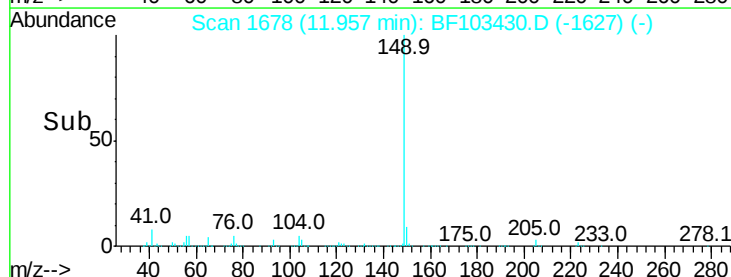
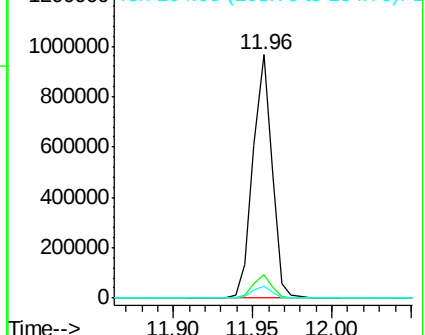


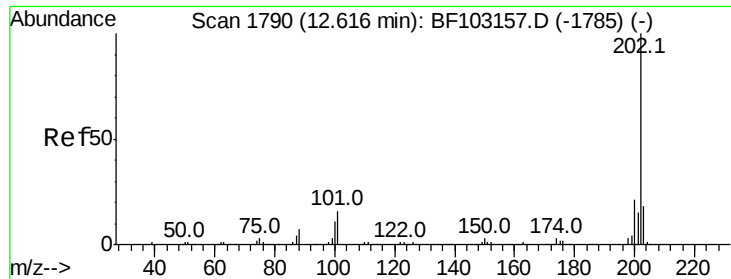
Abundance

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: 4.906 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF103430.D

Acq: 6 Mar 2018 00:54

Instrument :

BNA_F

ClientSampleId :

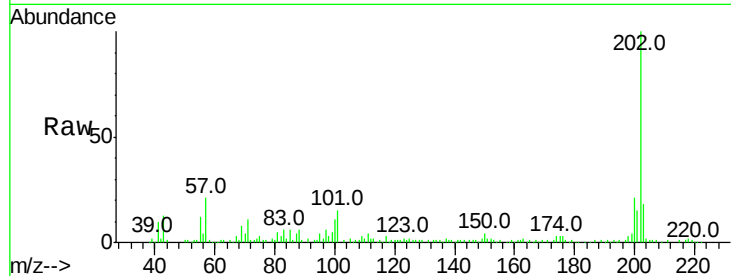
Tot Ion:202 Resp: 90377

Ion Ratio Lower Upper

202 100

101 14.9 0.0 34.1

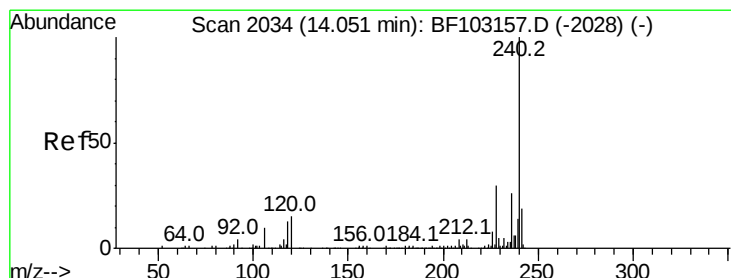
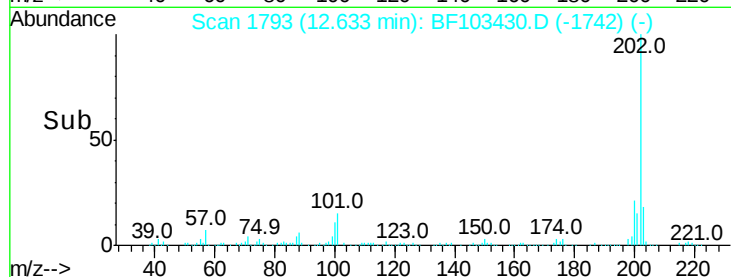
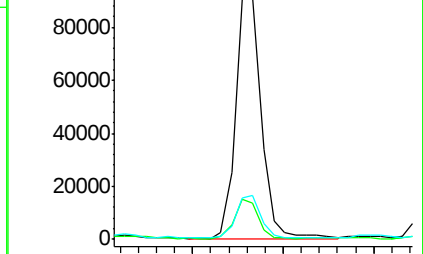
203 18.1 0.0 38.1



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: BF103430.D

Acq: 6 Mar 2018 00:54

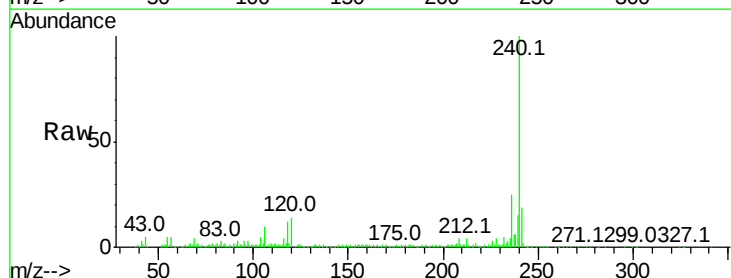
Tgt Ion:240 Resp: 209735

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

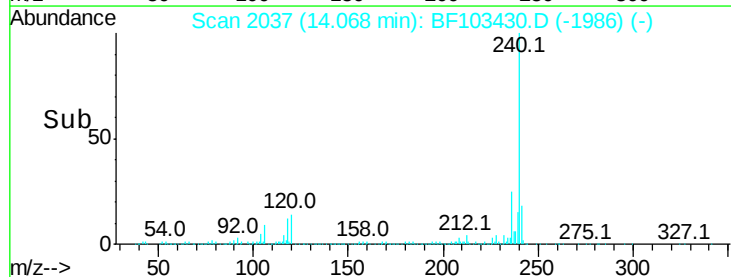
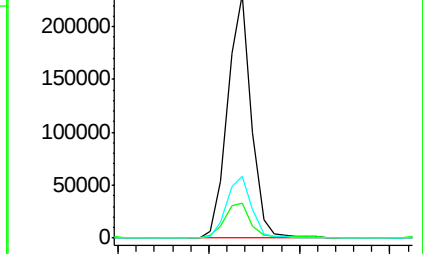
236 25.5 20.7 31.1

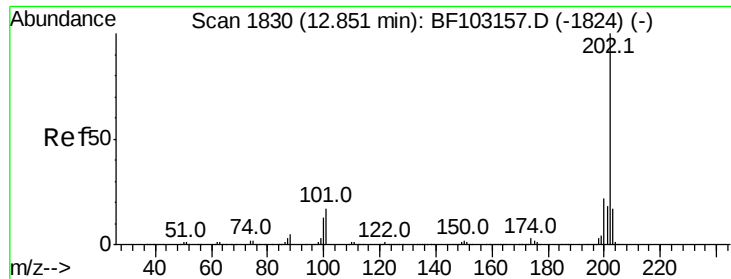


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

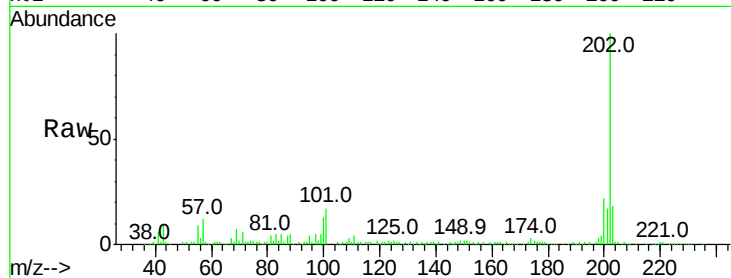




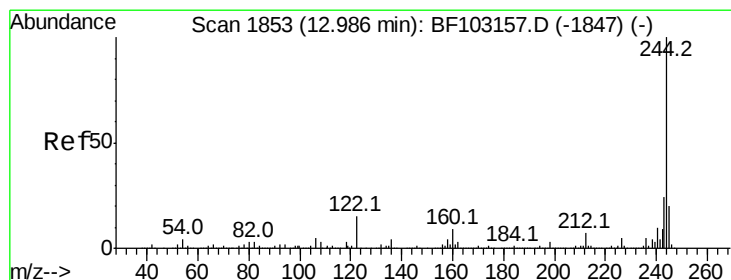
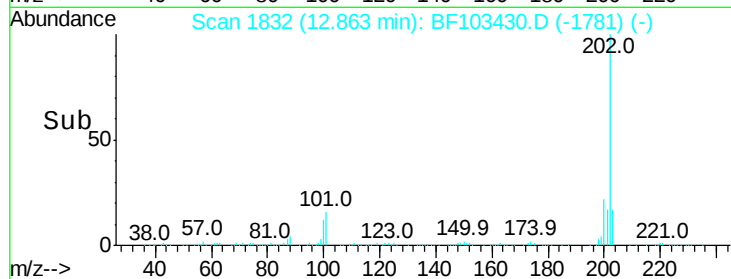
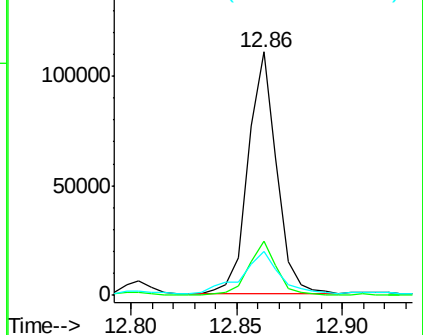
#77
Pvrene
Concen: 6.348 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.00 min
Lab File: BF103430.D
Acq: 6 Mar 2018 00:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 103809
Ion Ratio Lower Upper
202 100
200 22.1 17.4 26.2
203 18.2 14.3 21.5

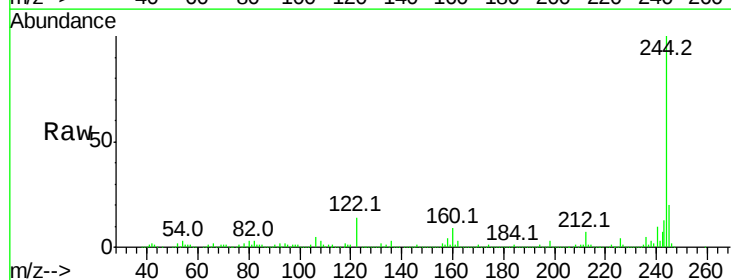


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

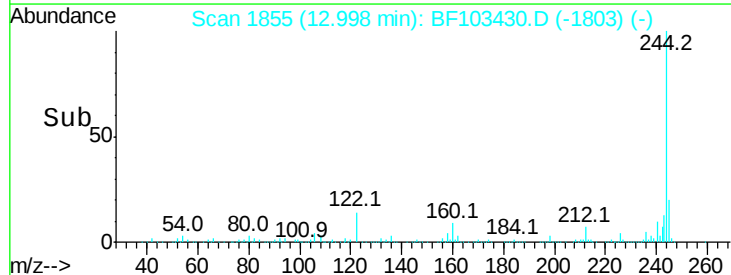
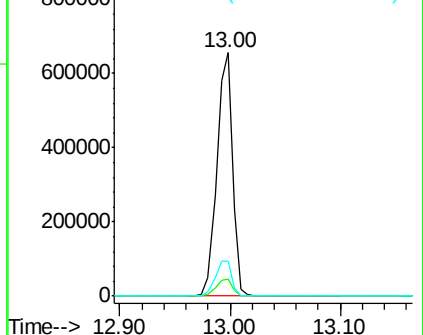


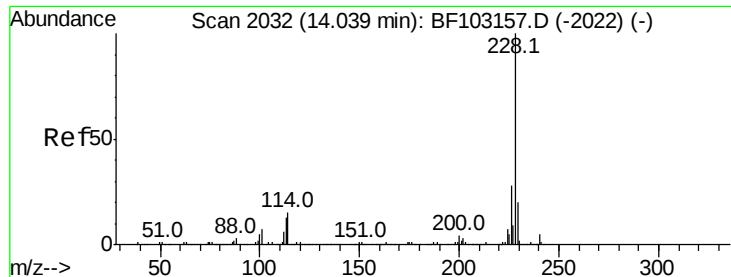
#78
Terphenyl-d14
Concen: 74.086 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.01 min
Lab File: BF103430.D
Acq: 6 Mar 2018 00:54

Tgt Ion:244 Resp: 646393
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.0
122 14.4 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.662 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103430.D

Acq: 6 Mar 2018 00:54

Instrument :

BNA_F

ClientSampleId :

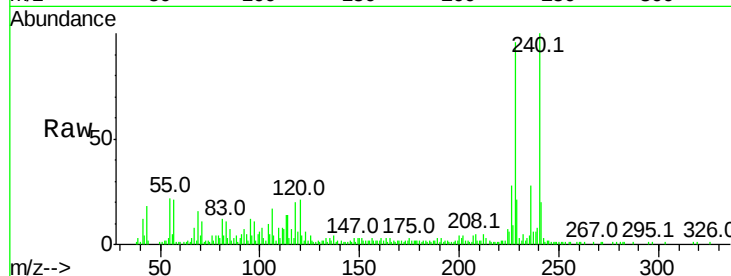
Tot Ion:228 Resp: 49835

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

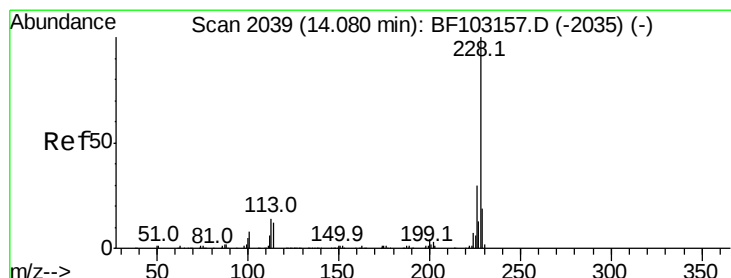
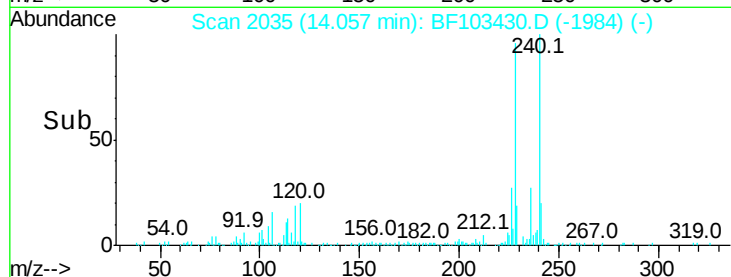
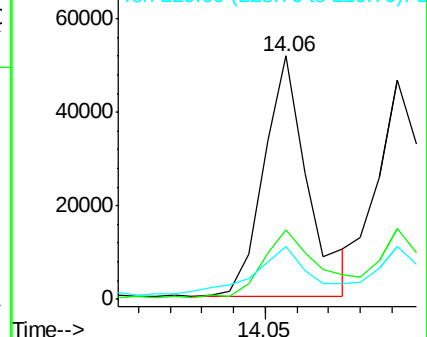
229 21.9 15.8 23.6



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: 3.475 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF103430.D

Acq: 6 Mar 2018 00:54

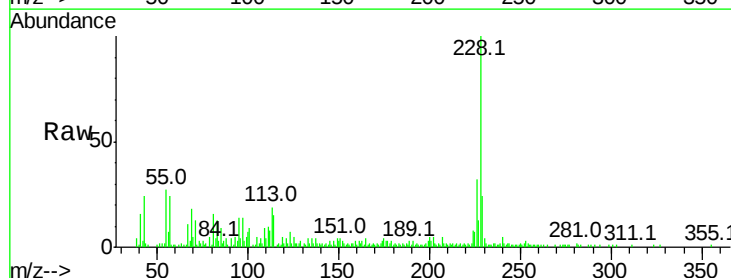
Tgt Ion:228 Resp: 45923

Ion Ratio Lower Upper

228 100

226 32.4 25.0 37.6

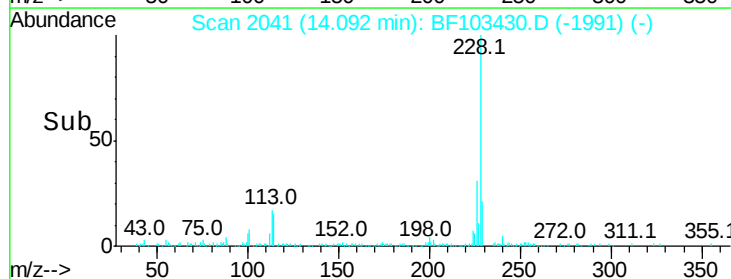
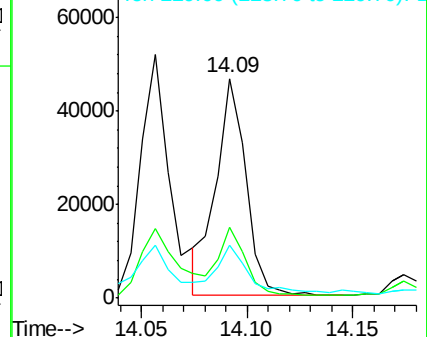
229 23.9 16.2 24.4

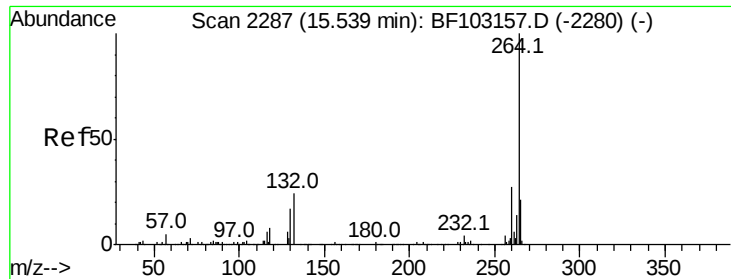


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



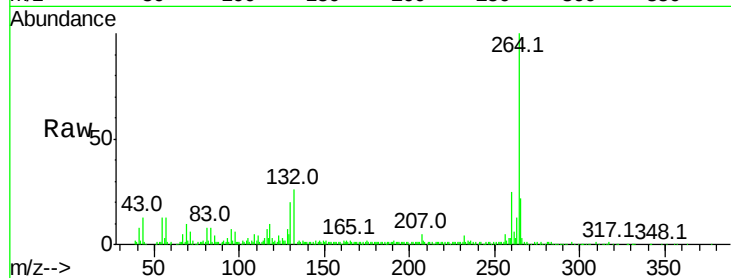


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103430.D
Acq: 6 Mar 2018 00:54

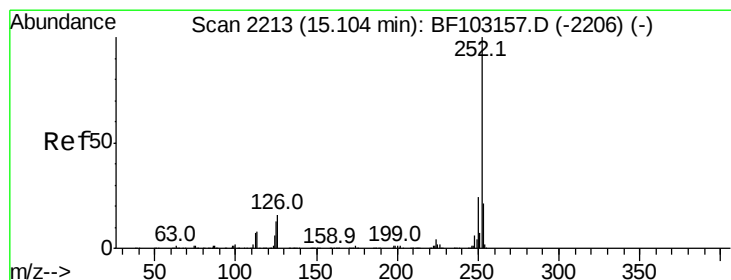
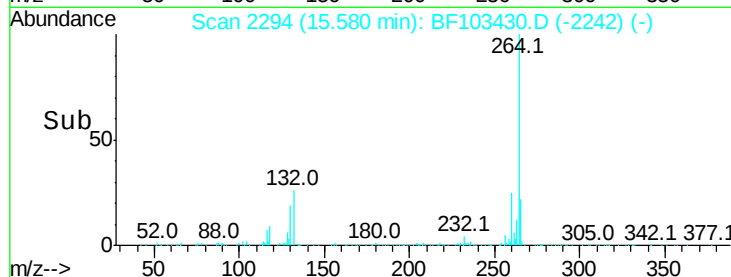
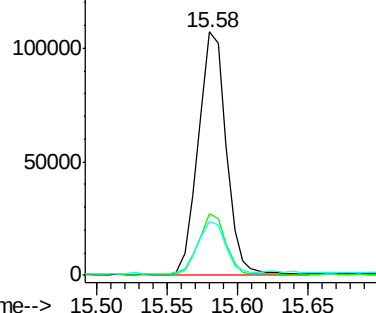
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 147357

Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.2	28.8
265	22.0	17.5	26.3



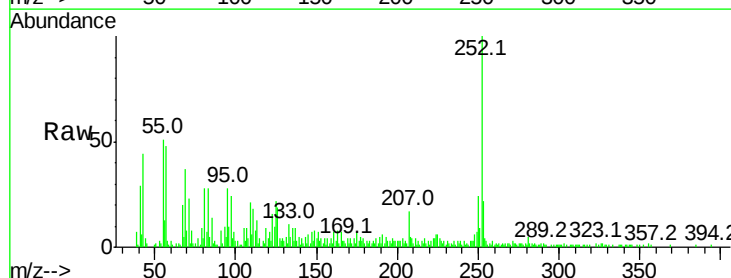
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



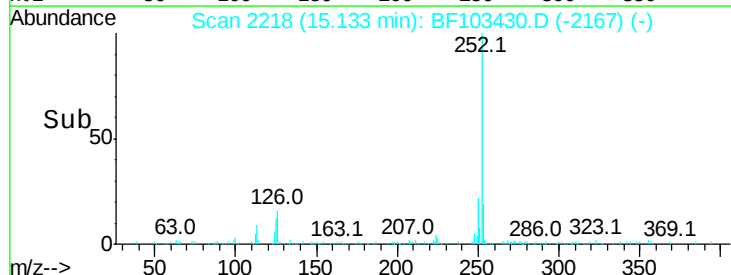
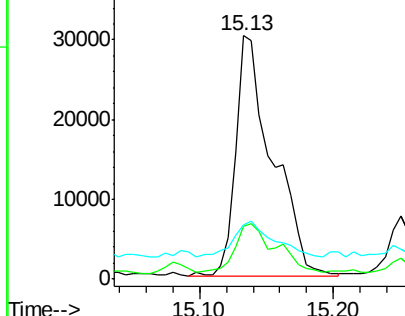
#87
Benzo(b)fluoranthene
Concen: 5.933 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF103430.D
Acq: 6 Mar 2018 00:54

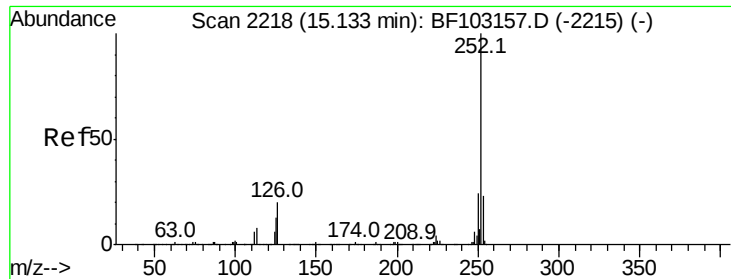
Tgt Ion:252 Resp: 57486

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	22.3	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

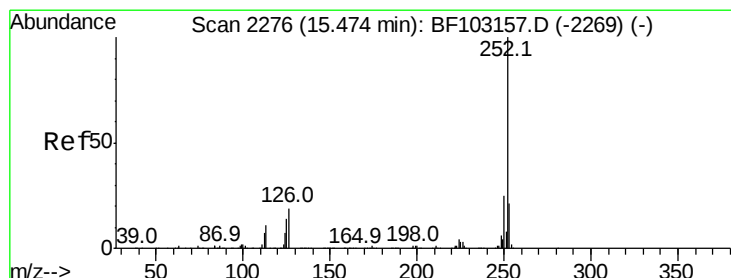
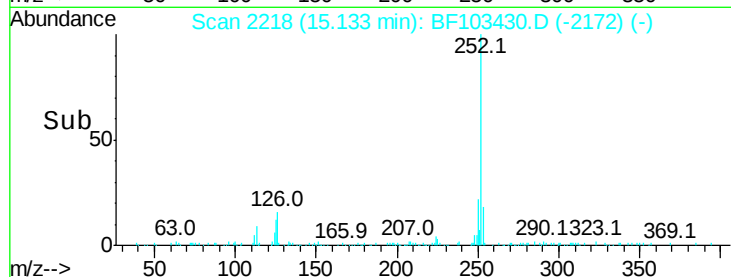
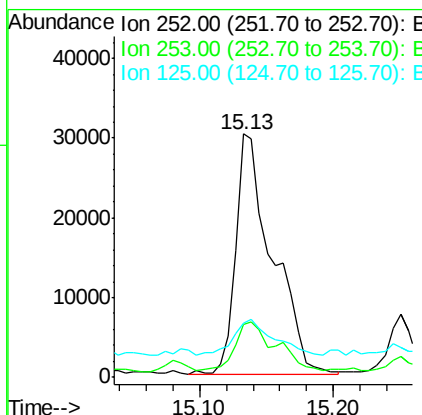
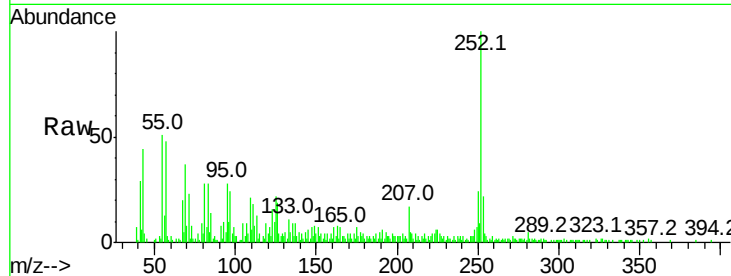




#88
Benzo(k)fluoranthene
Concen: 6.301 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103430.D
Acq: 6 Mar 2018 00:54

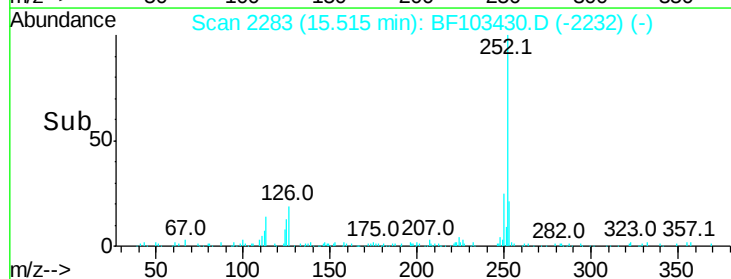
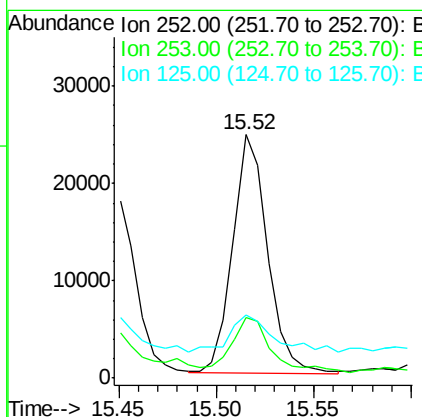
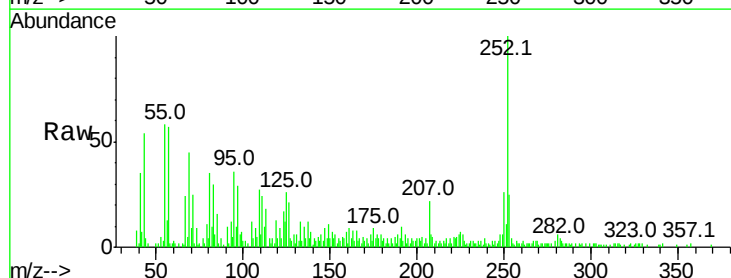
Instrument :
BNA_F
ClientSampleId :

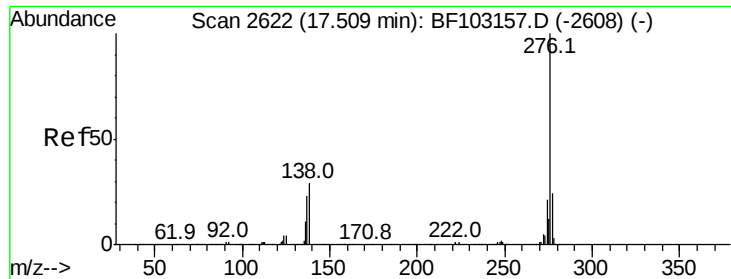
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	22.3	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 3.513 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF103430.D
Acq: 6 Mar 2018 00:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.1	25.7
125	26.0	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 3.077 ng
 RT: 17.60 min Scan# 2638
 Delta R.T. 0.01 min
 Lab File: BF103430.D
 Acq: 6 Mar 2018 00:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 20105
 Ion Ratio Lower Upper
 276 100
 277 27.3 17.9 26.9#
 138 35.3 21.8 32.8#

