

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
 Data File : BF111012.D
 Acq On : 27 Nov 2018 16:24
 Operator : JU/SJ
 Sample : J6060-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 17:29:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 15:32:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	44692	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	161536	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	65184	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	126304	20.00	ng	0.00
76) Chrysene-d12	14.14	240	102483	20.00	ng	0.00
87) Perylene-d12	15.67	264	67306	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	347871	129.08	ng	0.01
7) Phenol-d6	6.57	99	405514	115.46	ng	0.00
23) Nitrobenzene-d5	7.50	82	243395	86.23	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	75271	116.27	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	368612	81.93	ng	0.00
79) Terphenyl-d14	13.06	244	348422	66.18	ng	0.00

Target Compounds

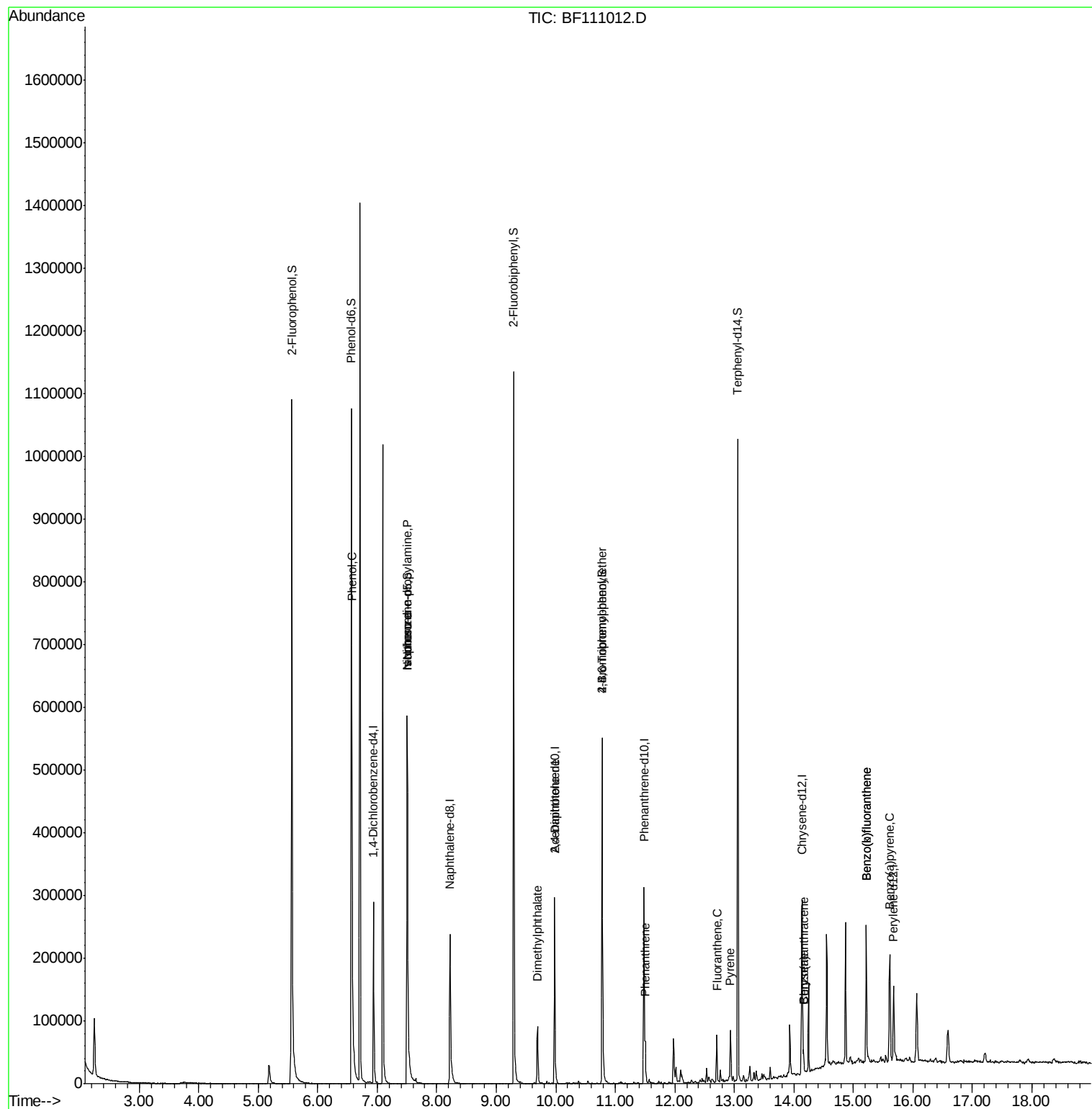
						Qvalue
9) Benzaldehyde	6.57	77	756	Below Cal	#	1
10) Phenol	6.58	94	21686	5.483	ng	87
19) n-Nitroso-di-n-propylamine	7.50	70	32425	14.173	ng	83
25) Isophorone	7.50	82	243395	52.569	ng	67
50) Dimethylphthalate	9.69	163	50506	10.565	ng	99
57) 2,4-Dinitrotoluene	9.98	165	8285	6.000	ng	17
67) 4-Bromophenyl-phenylether	10.78	248	4945	3.595	ng	1
71) Phenanthrene	11.50	178	26635	3.982	ng	98
75) Fluoranthene	12.70	202	33156	4.822	ng	98
78) Pyrene	12.93	202	37530	5.014	ng	98
81) Benzo(a)anthracene	14.16	228	13475	2.227	ng	95
83) Chrysene	14.16	228	13475	2.262	ng	99
88) Benzo(b)fluoranthene	15.22	252	12597	3.186	ng	# 74
89) Benzo(k)fluoranthene	15.22	252	12597	3.095	ng	# 74
90) Benzo(a)pyrene	15.62	252	7527	2.045	ng	# 74

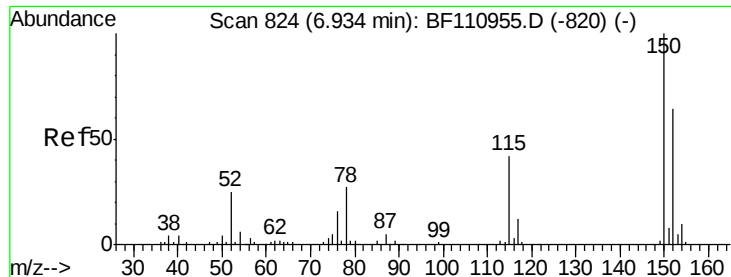
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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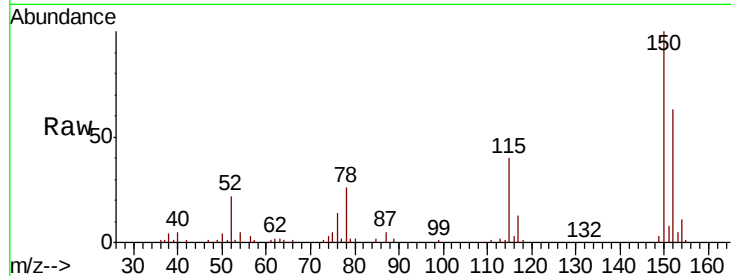


#1

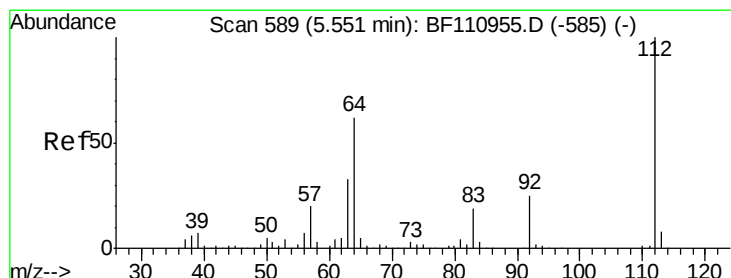
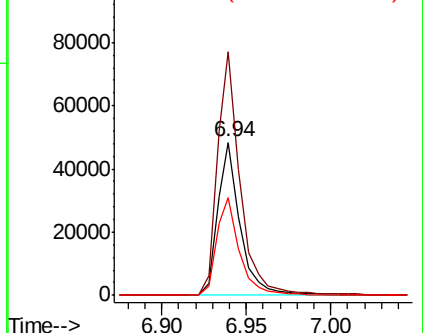
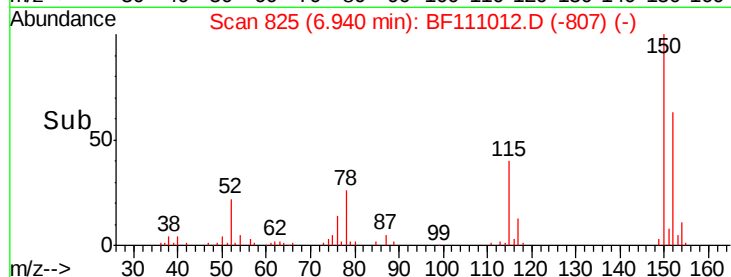
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF111012.D
Acq: 27 Nov 2018 16:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 44692
Ion Ratio Lower Upper
152 100
150 159.2 122.7 184.1
115 63.8 49.1 73.7



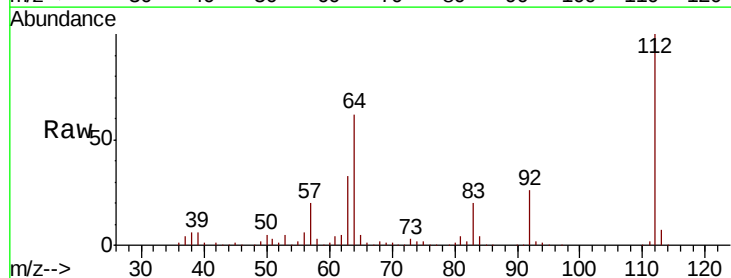
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



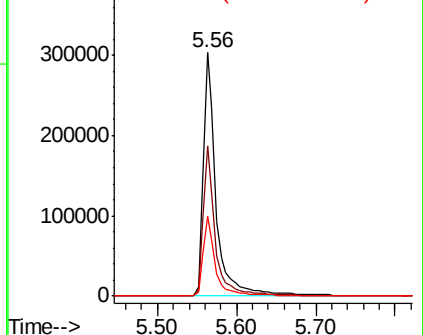
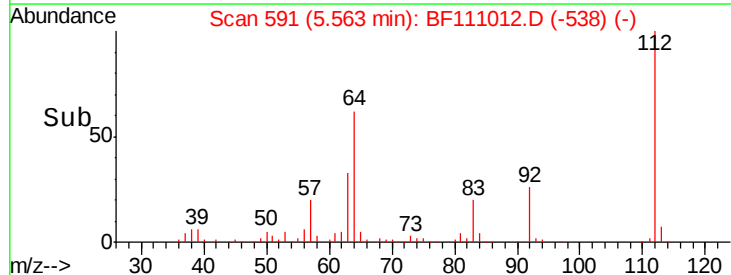
#5

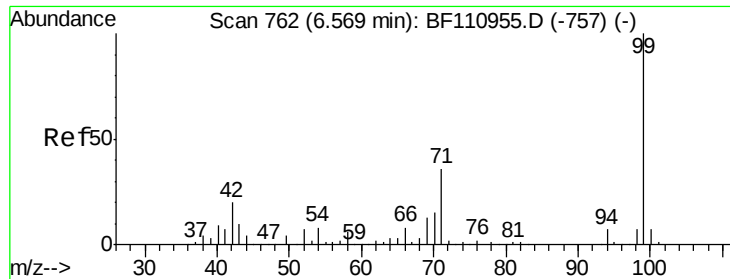
2-Fluorophenol
Concen: 129.079 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.01 min
Lab File: BF111012.D
Acq: 27 Nov 2018 16:24

Tgt Ion:112 Resp: 347871
Ion Ratio Lower Upper
112 100
64 61.6 44.1 66.1
63 32.7 23.7 35.5



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





#7

Phenol-d6

Concen: 115.463 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.00 min

Lab File: BF111012.D

Acq: 27 Nov 2018 16:24

Instrument :

BNA_F

ClientSampled :

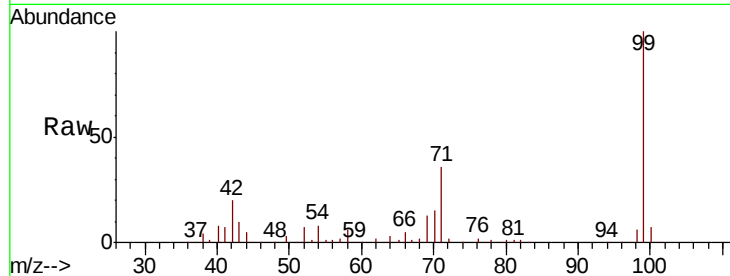
Tot Ion: 99 Resp: 405514

Ion Ratio Lower Upper

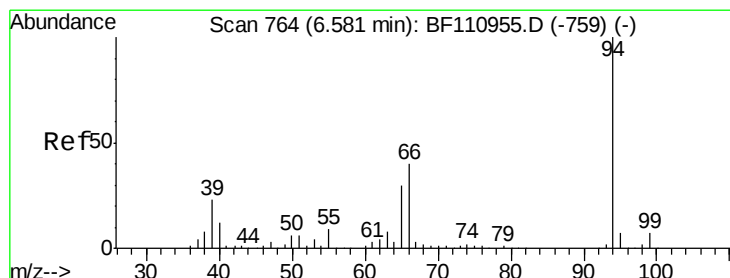
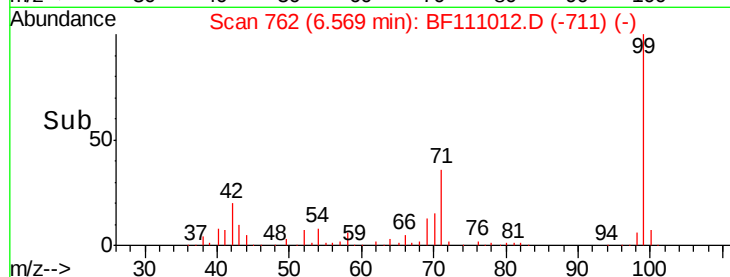
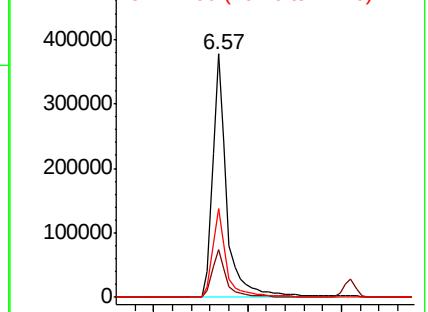
99 100

42 19.8 15.8 23.6

71 36.3 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.483 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF111012.D

Acq: 27 Nov 2018 16:24

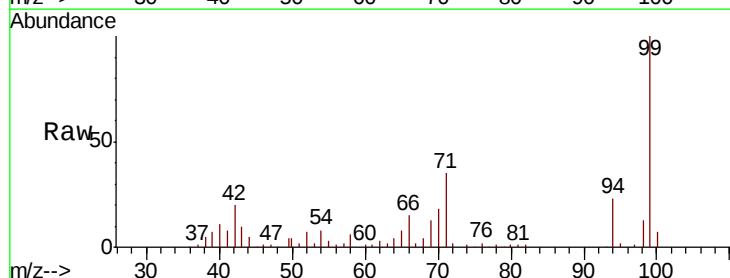
Tgt Ion: 94 Resp: 21686

Ion Ratio Lower Upper

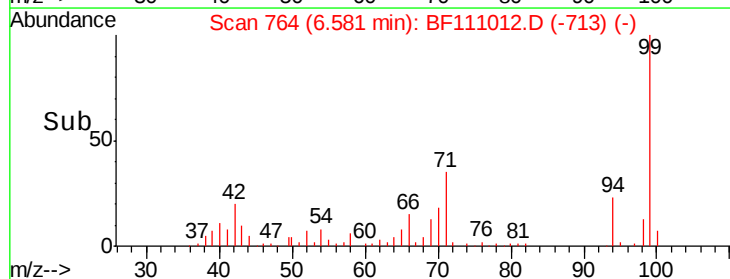
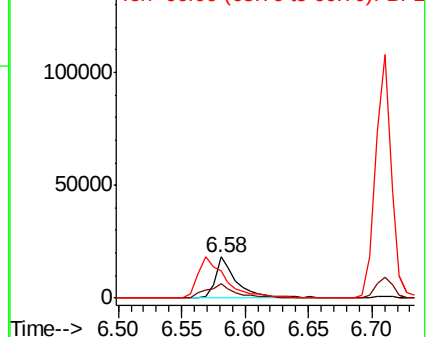
94 100

65 34.9 25.3 65.3

66 65.1 54.5 94.5



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 14.173 ng

RT: 7.50 min Scan# 921

Delta R.T. 0.16 min

Lab File: BF111012.D

Acq: 27 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 32425

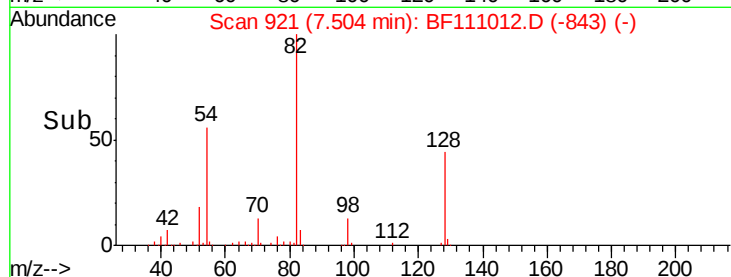
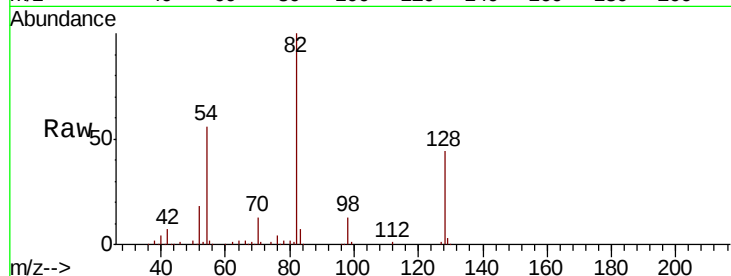
Ion Ratio Lower Upper

70 100

42 52.8 47.4 71.2

101 0.0 7.3 10.9#

130 2.2 16.2 24.2#

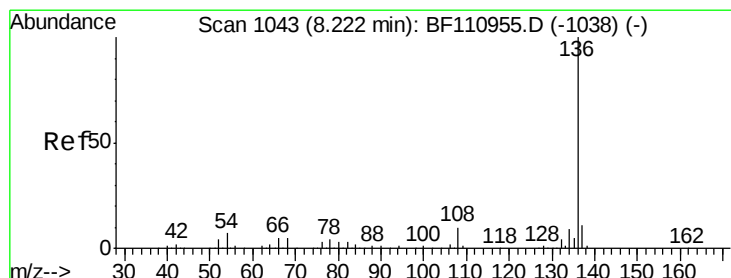
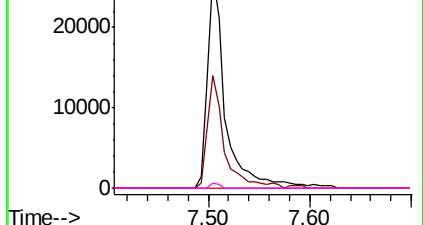


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF111012.D

Acq: 27 Nov 2018 16:24

Tgt Ion: 136 Resp: 161536

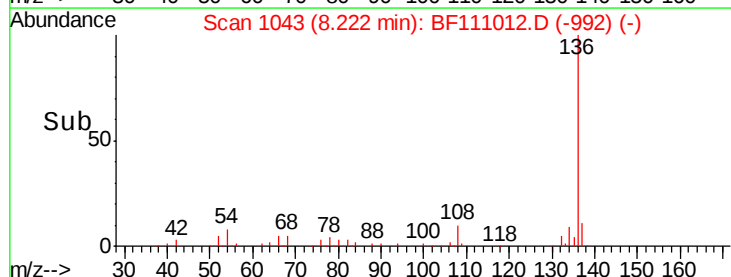
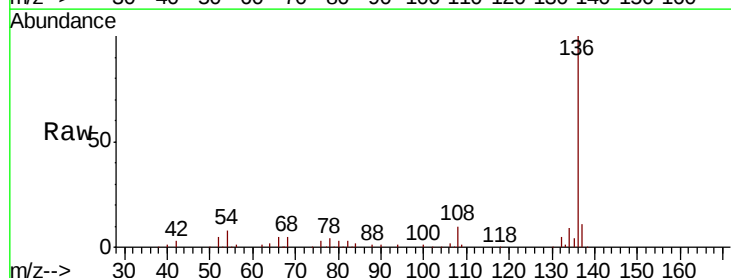
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 8.1 5.4 8.2

68 4.6 4.2 6.2

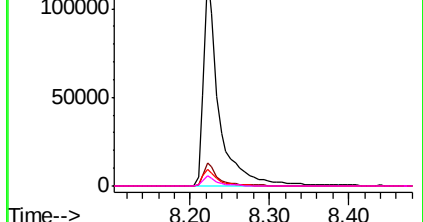


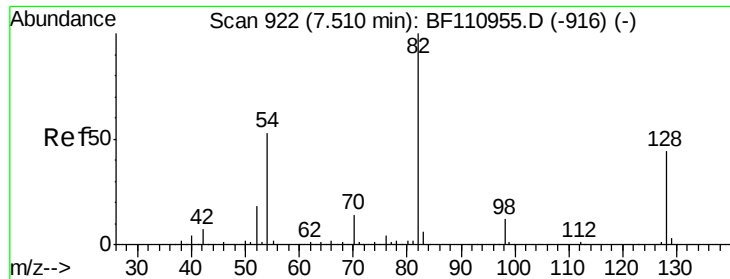
Abundance Ion 136.00 (135.70 to 136.70): E

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

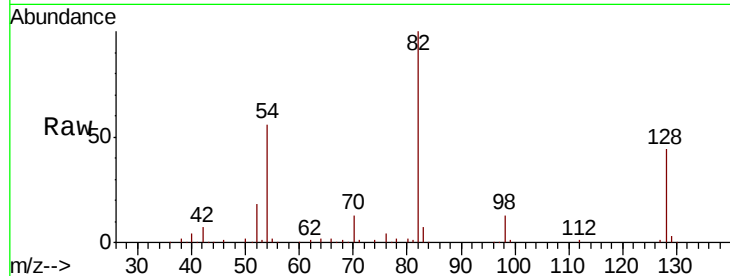




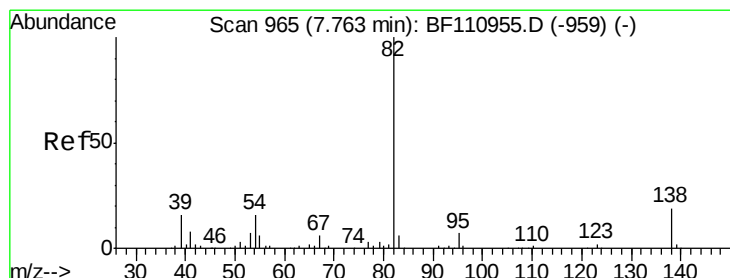
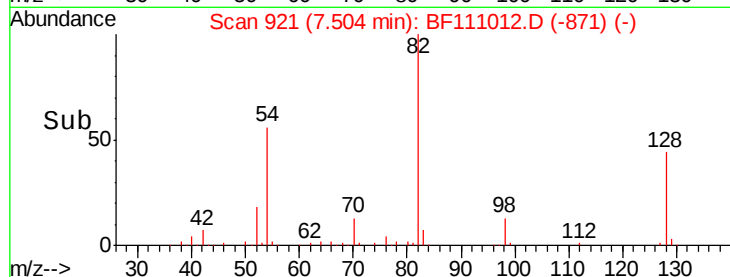
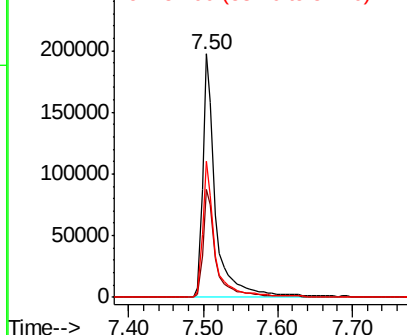
#23
Nitrobenzene-d5
Concen: 86.233 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF111012.D
Acq: 27 Nov 2018 16:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	243395
Ion Ratio	Lower	Upper	
82	100		
128	44.2	34.2	51.2
54	55.8	38.6	58.0

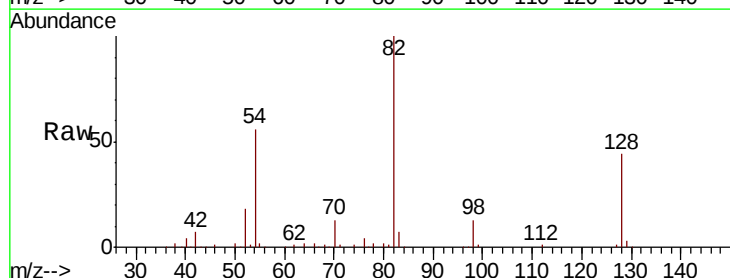


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

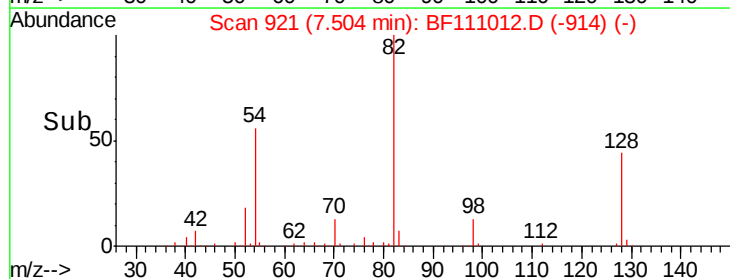
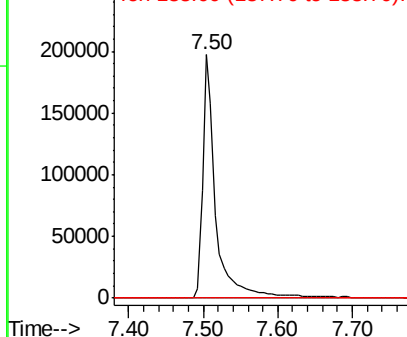


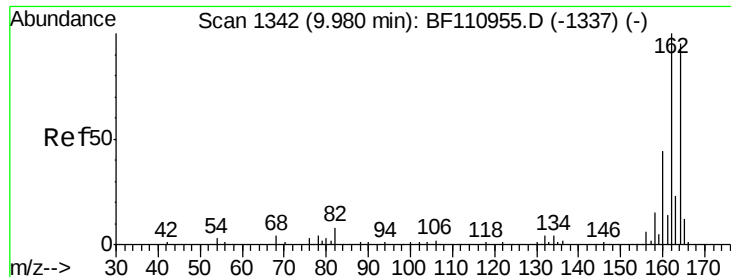
#25
Isophorone
Concen: 52.569 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF111012.D
Acq: 27 Nov 2018 16:24

Tgt Ion	82	Resp	243395
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BF111012.D

Acq: 27 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

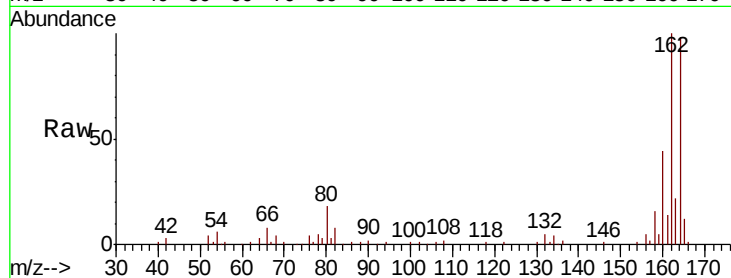
Tot Ion:164 Resp: 65184

Ion Ratio Lower Upper

164 100

162 102.0 83.0 124.6

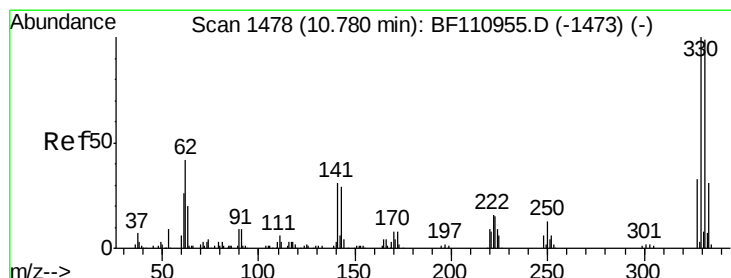
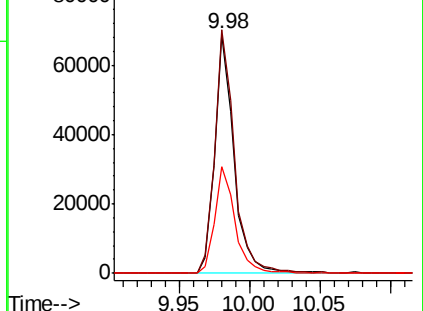
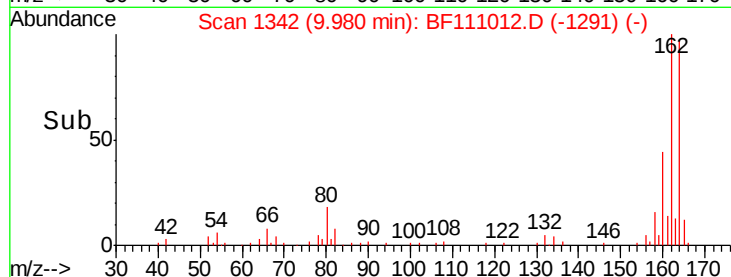
160 44.6 37.0 55.6



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



#42

2,4,6-Tribromophenol

Concen: 116.273 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BF111012.D

Acq: 27 Nov 2018 16:24

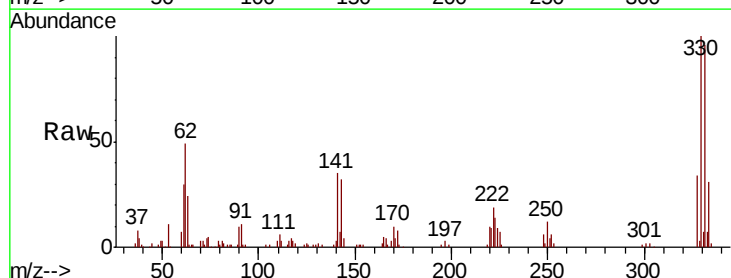
Tgt Ion:330 Resp: 75271

Ion Ratio Lower Upper

330 100

332 96.1 77.1 115.7

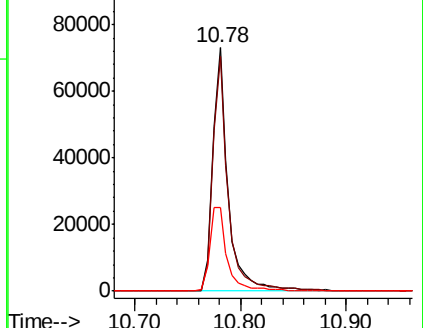
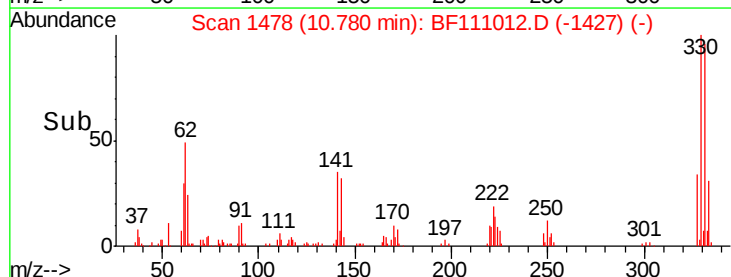
141 38.8 27.0 40.4



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

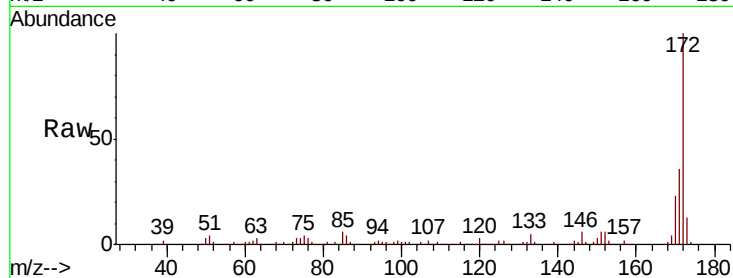




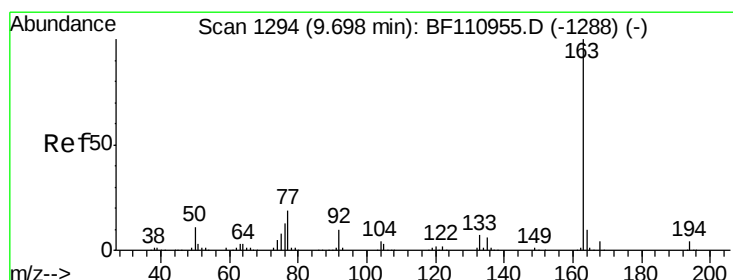
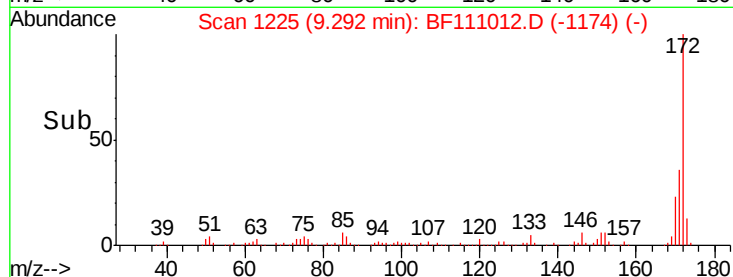
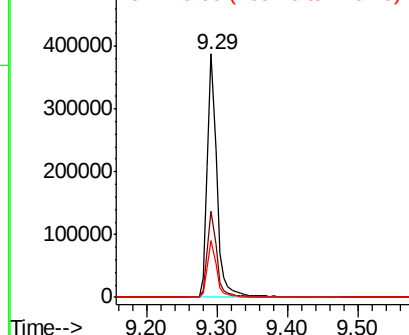
#45
2-Fluorobiphenyl
Concen: 81.927 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.00 min
Lab File: BF111012.D
Acq: 27 Nov 2018 16:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 368612
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.4 19.7 29.5

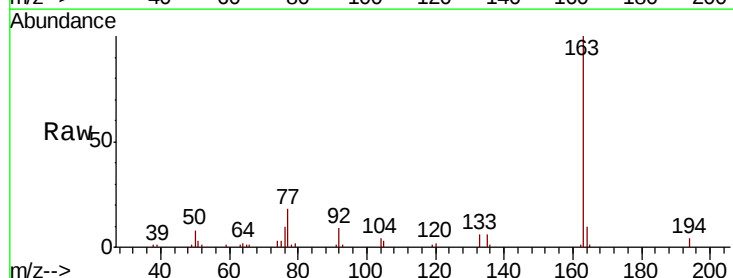


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

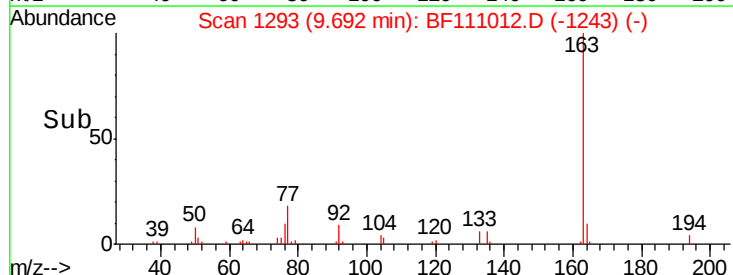
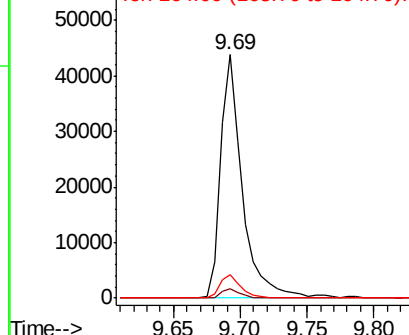


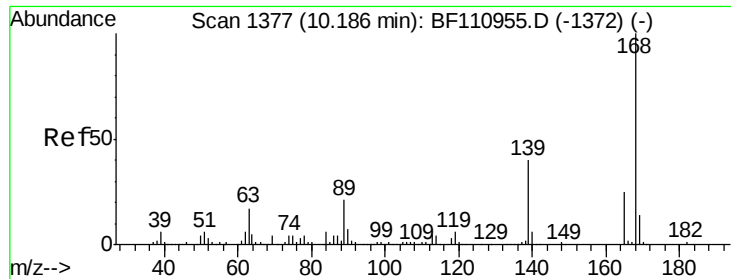
#50
Dimethylphthalate
Concen: 10.565 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF111012.D
Acq: 27 Nov 2018 16:24

Tgt Ion:163 Resp: 50506
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 9.7 8.1 12.1



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

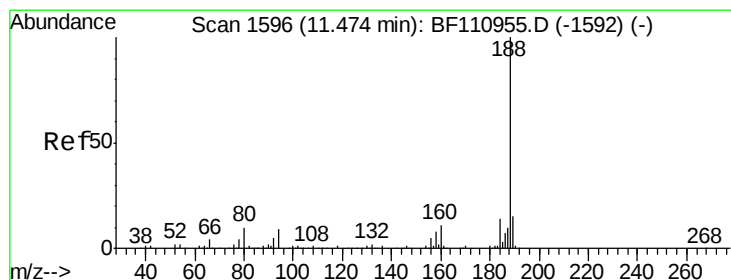
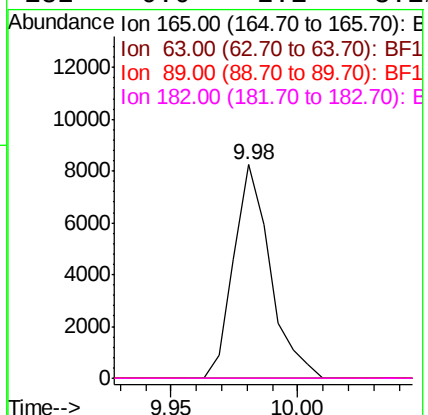
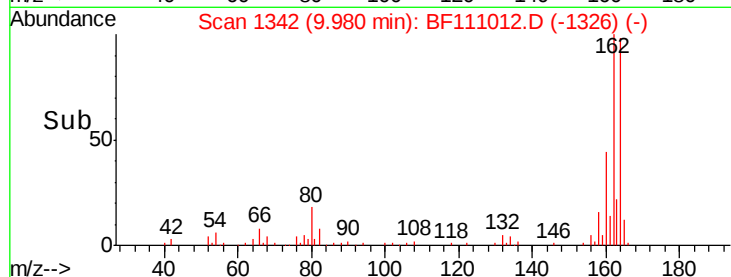
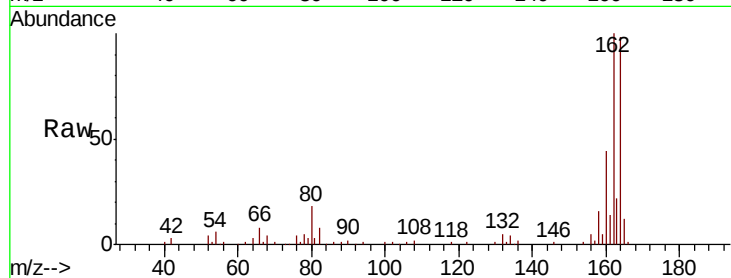




#57
 2,4-Dinitrotoluene
 Concen: 6.000 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF111012.D
 Acq: 27 Nov 2018 16:24

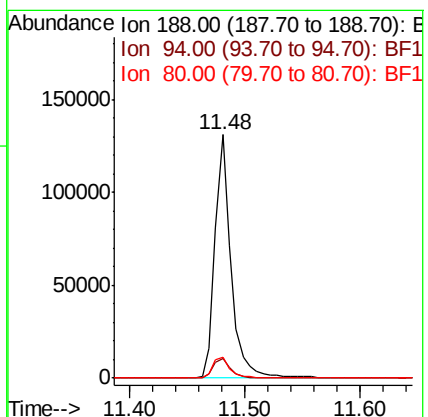
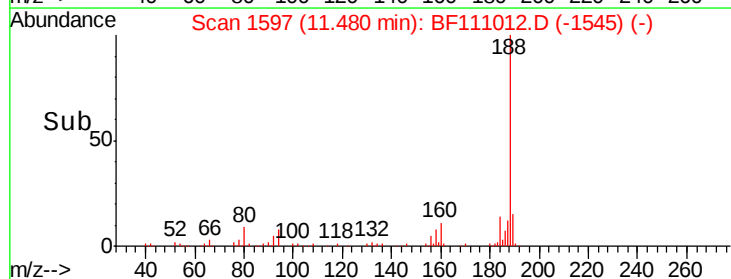
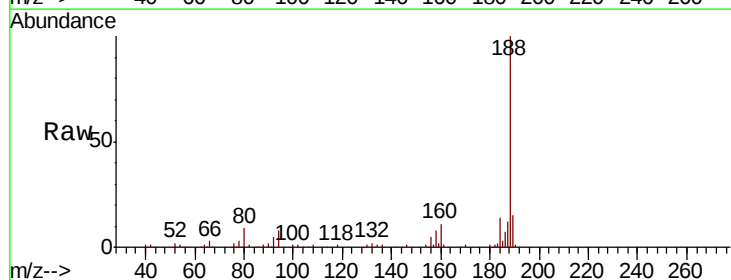
Instrument :
 BNA_F
 ClientSampleId :

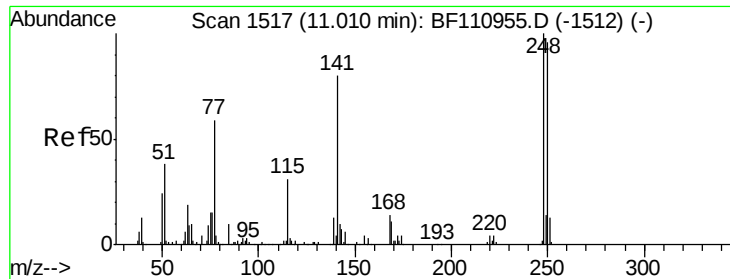
Tot Ion:165 Resp: 8285
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.8 67.2#
 89 0.0 62.2 93.4#
 182 0.0 2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BF111012.D
 Acq: 27 Nov 2018 16:24

Tgt Ion:188 Resp: 126304
 Ion Ratio Lower Upper
 188 100
 94 7.9 7.2 10.8
 80 8.8 7.9 11.9

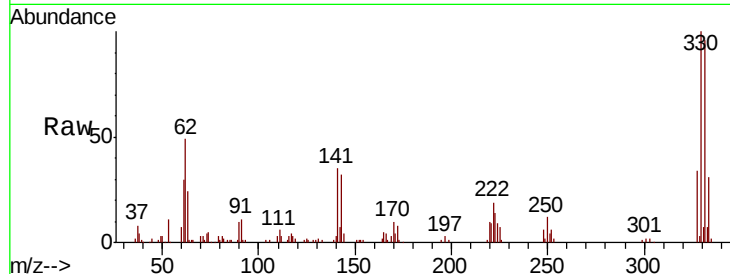




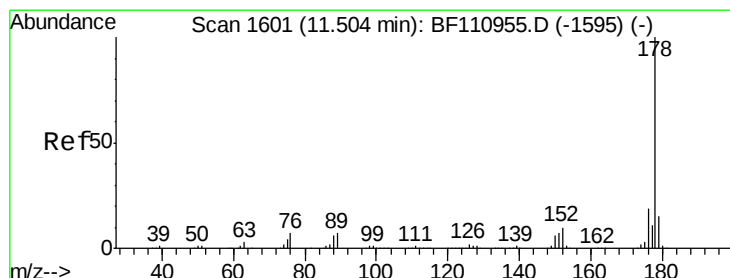
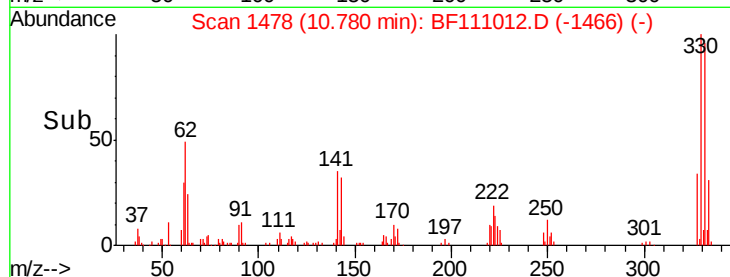
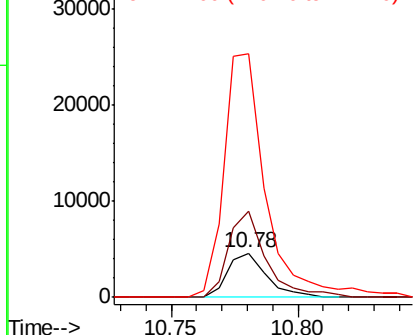
#67
 4-Bromophenyl-phenylether
 Concen: 3.595 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.23 min
 Lab File: BF111012.D
 Acq: 27 Nov 2018 16:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 4945
 Ion Ratio Lower Upper
 248 100
 250 193.1 79.4 119.2#
 141 549.4 55.9 83.9#

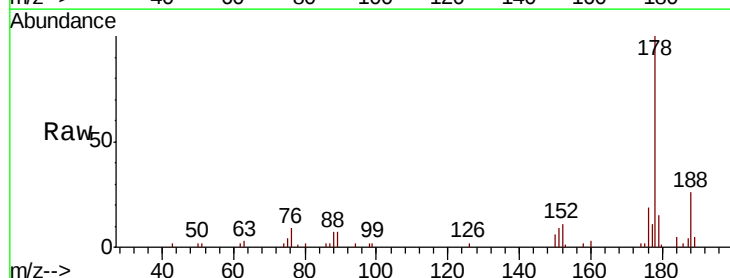


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

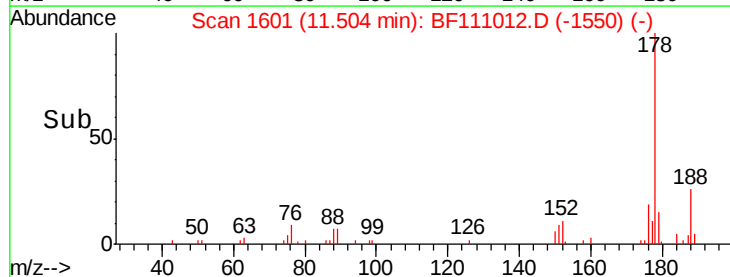
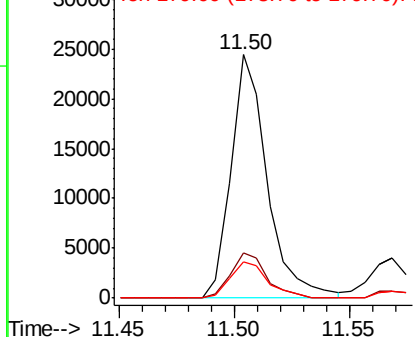


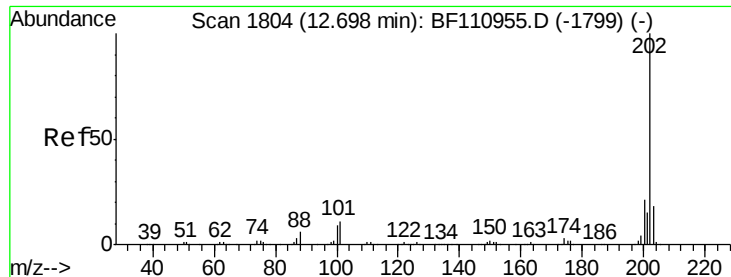
#71
 Phenanthrene
 Concen: 3.982 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: BF111012.D
 Acq: 27 Nov 2018 16:24

Tgt Ion:178 Resp: 26635
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.5 23.3
 179 14.8 12.5 18.7



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





#75

Fluoranthene

Concen: 4.822 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF111012.D

Acq: 27 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

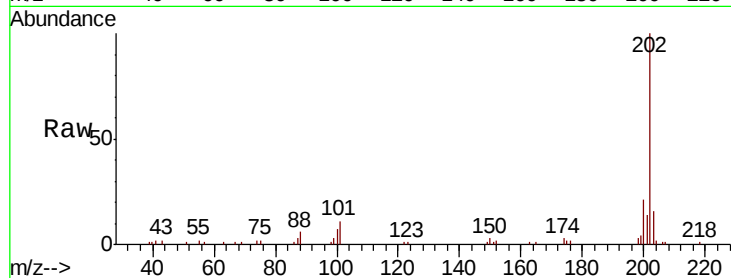
Tot Ion:202 Resp: 33156

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.4

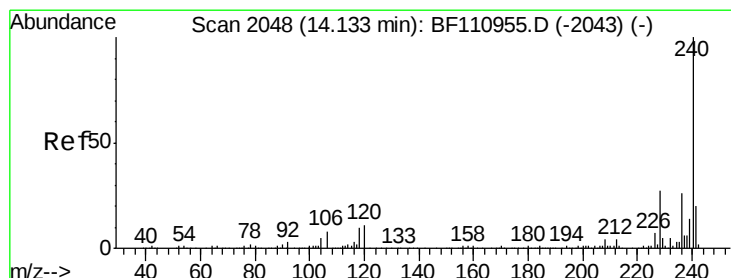
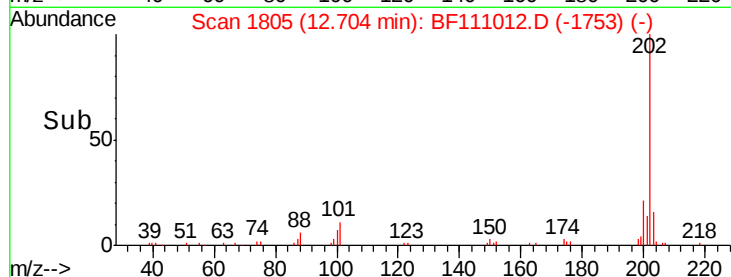
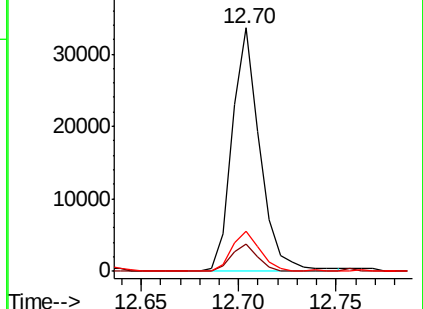
203 16.4 0.0 37.7



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2049

Delta R.T. 0.01 min

Lab File: BF111012.D

Acq: 27 Nov 2018 16:24

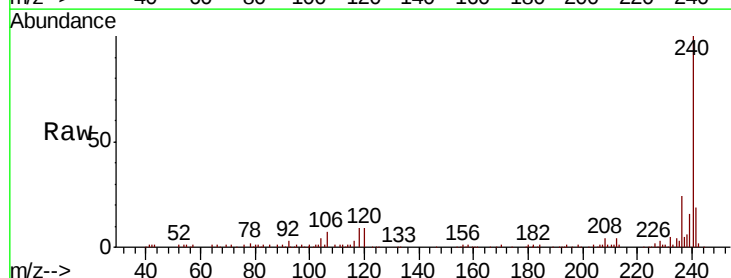
Tgt Ion:240 Resp: 102483

Ion Ratio Lower Upper

240 100

120 9.5 8.3 12.5

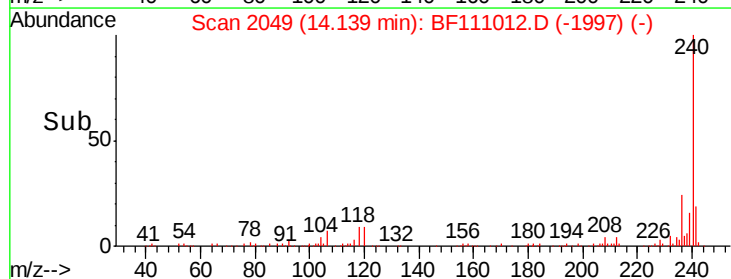
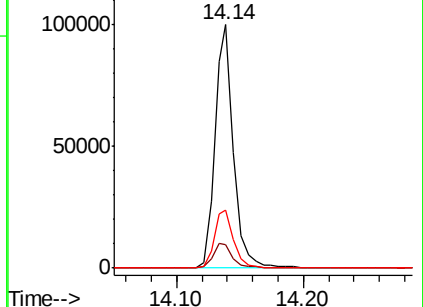
236 23.7 21.2 31.8

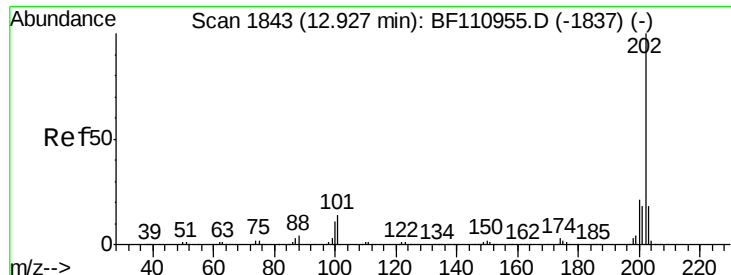


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

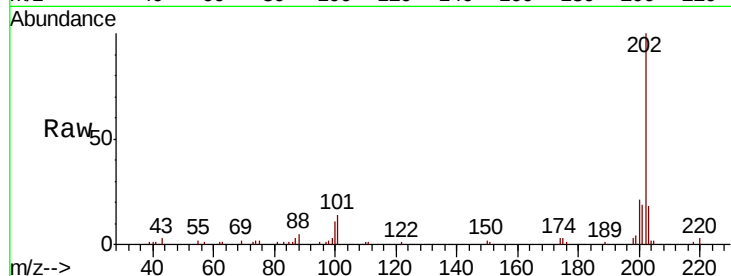




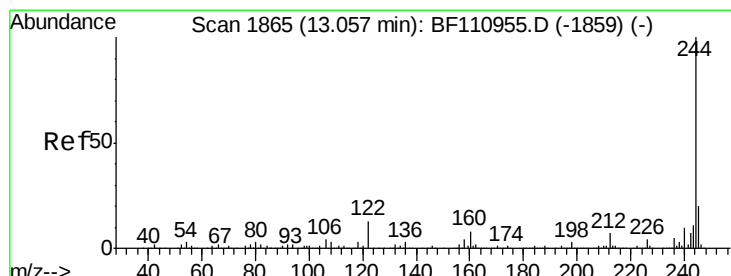
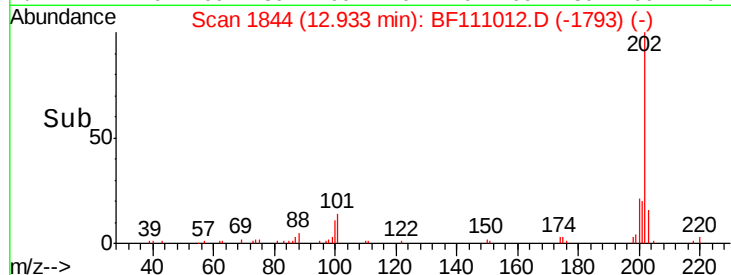
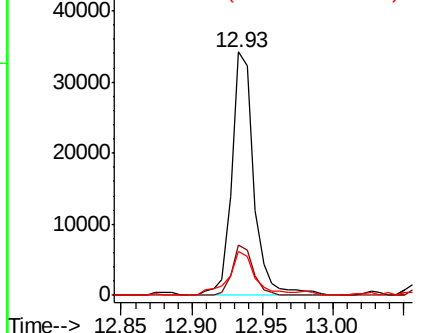
#78
Pvrene
Concen: 5.014 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BF111012.D
Acq: 27 Nov 2018 16:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 37530
Ion Ratio Lower Upper
202 100
200 20.8 17.8 26.6
203 17.9 14.2 21.4

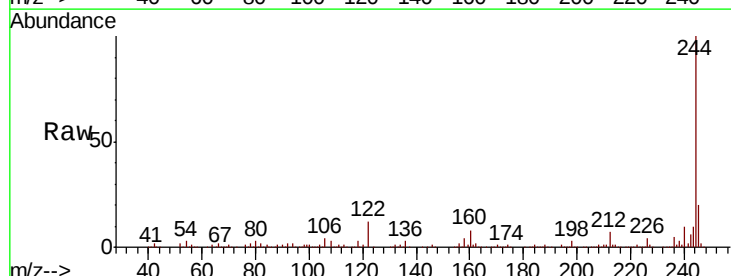


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

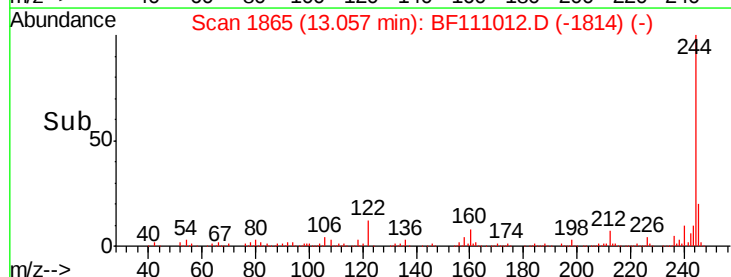
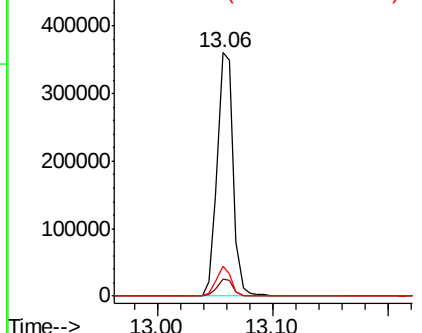


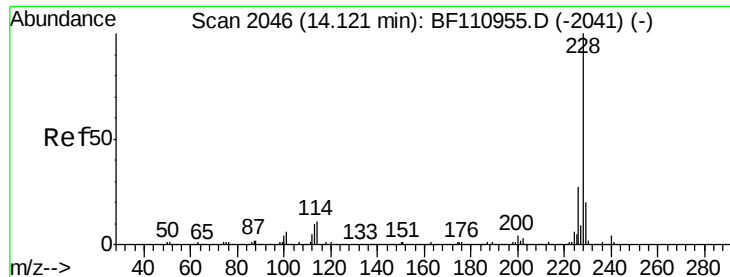
#79
Terphenyl-d14
Concen: 66.182 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.00 min
Lab File: BF111012.D
Acq: 27 Nov 2018 16:24

Tgt Ion:244 Resp: 348422
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 12.4 8.7 13.1



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





#81

Benzo(a)anthracene

Concen: 2.227 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.04 min

Lab File: BF111012.D

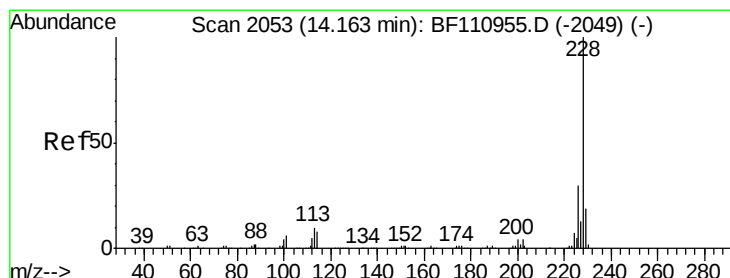
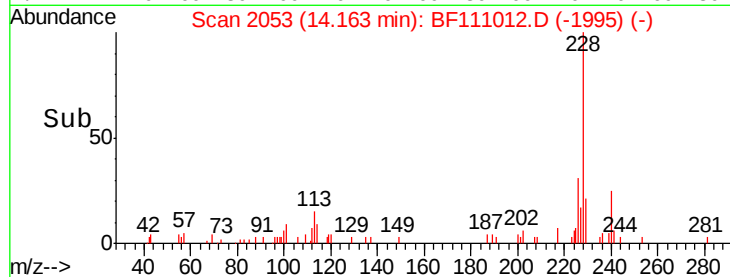
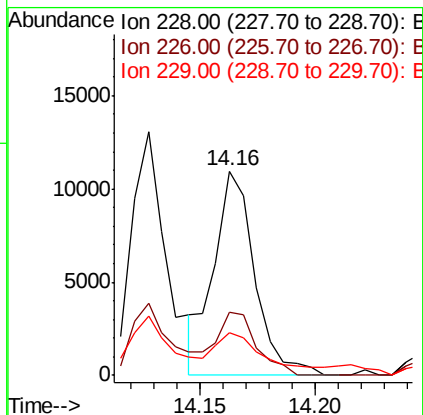
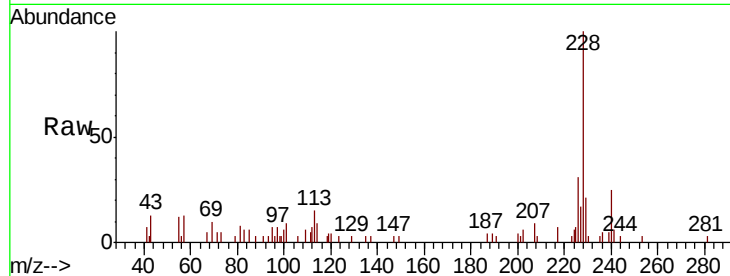
Acq: 27 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:228	Resp:	13475
Ion Ratio	Lower	Upper
228	100	
226	31.0	22.1 33.1
229	21.0	15.6 23.4



#83

Chrysene

Concen: 2.262 ng

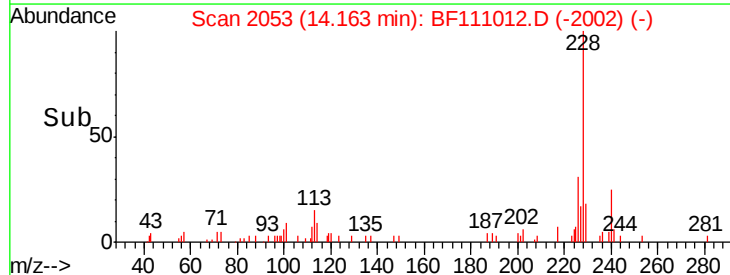
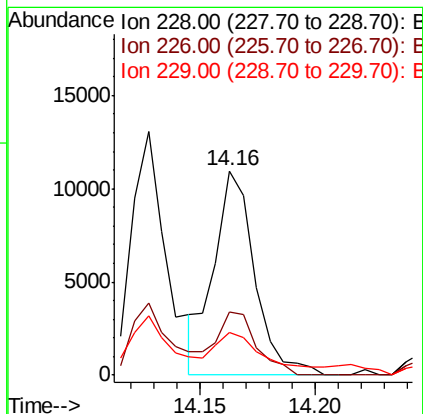
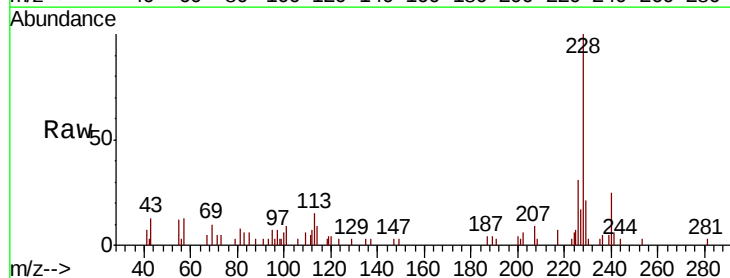
RT: 14.16 min Scan# 2053

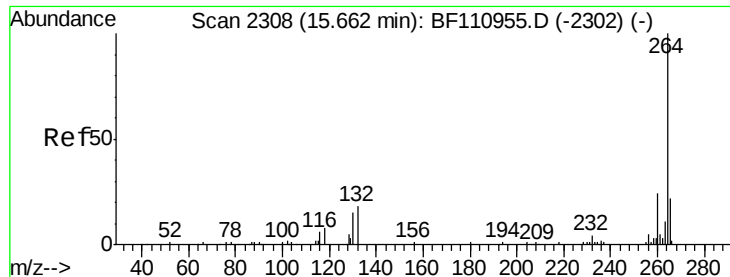
Delta R.T. -0.00 min

Lab File: BF111012.D

Acq: 27 Nov 2018 16:24

Tgt Ion:228	Resp:	13475
Ion Ratio	Lower	Upper
228	100	
226	31.0	24.7 37.1
229	21.0	15.9 23.9





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BF111012.D

Acq: 27 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

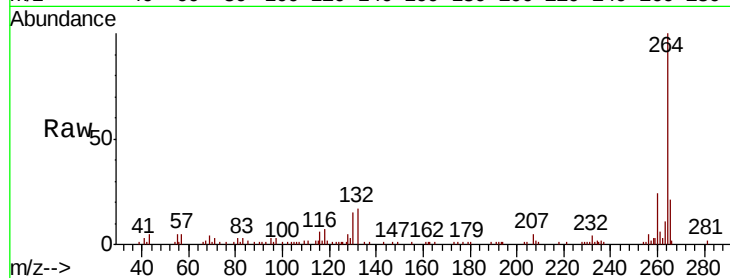
Tot Ion:264 Resp: 67306

Ion Ratio Lower Upper

264 100

260 24.5 18.7 28.1

265 21.0 16.7 25.1

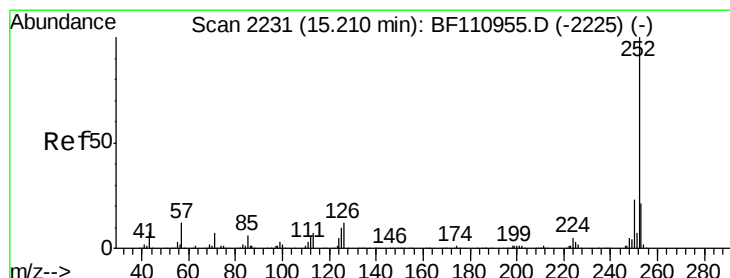
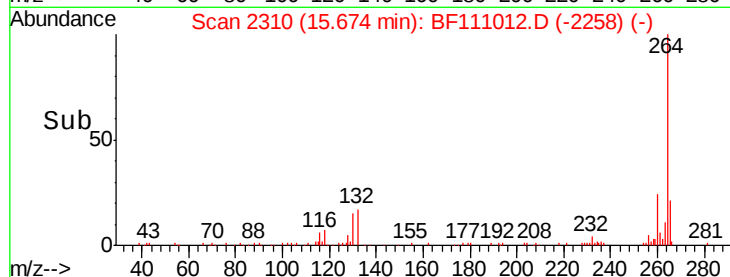
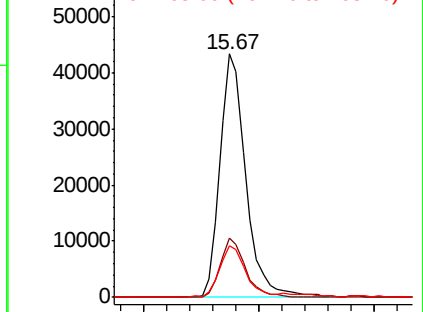


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 3.186 ng

RT: 15.22 min Scan# 2233

Delta R.T. 0.01 min

Lab File: BF111012.D

Acq: 27 Nov 2018 16:24

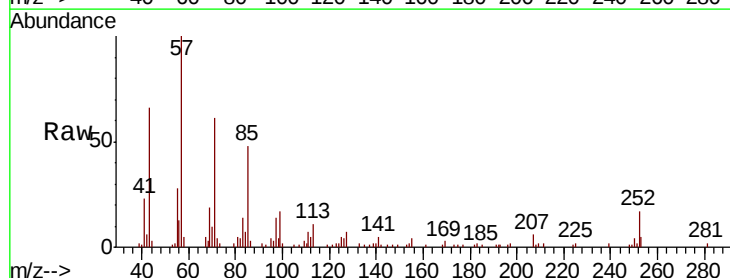
Tgt Ion:252 Resp: 12597

Ion Ratio Lower Upper

252 100

253 27.7 17.2 25.8#

125 29.5 8.2 12.4#

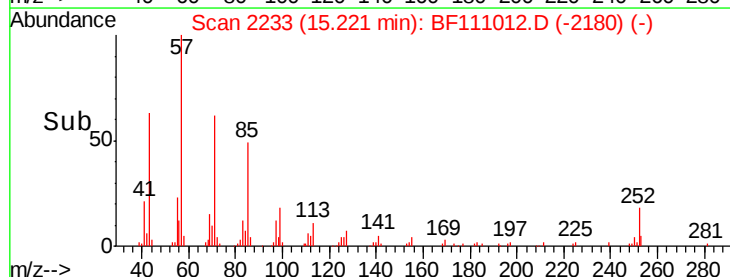
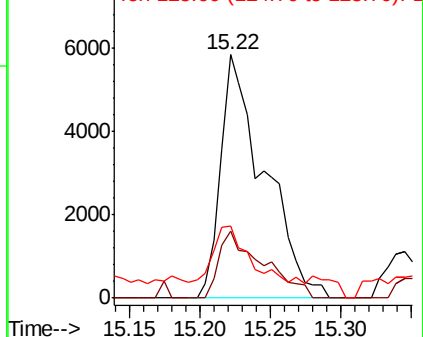


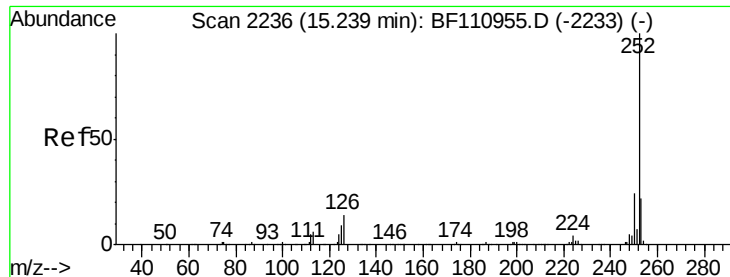
Abundance

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(k)fluoranthene

Concen: 3.095 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.02 min

Lab File: BF111012.D

Acq: 27 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

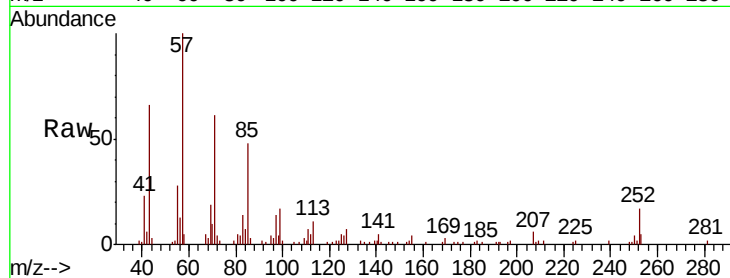
Tot Ion:252 Resp: 12597

Ion Ratio Lower Upper

252 100

253 27.7 17.2 25.8#

125 29.5 7.4 11.0#

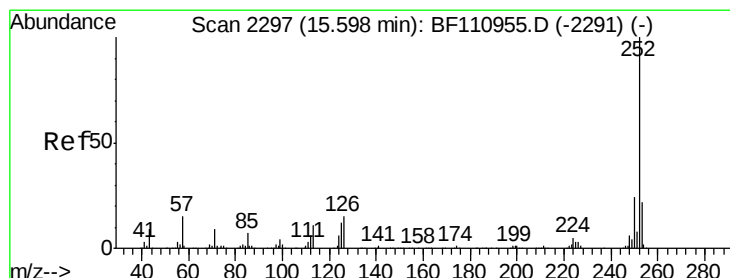
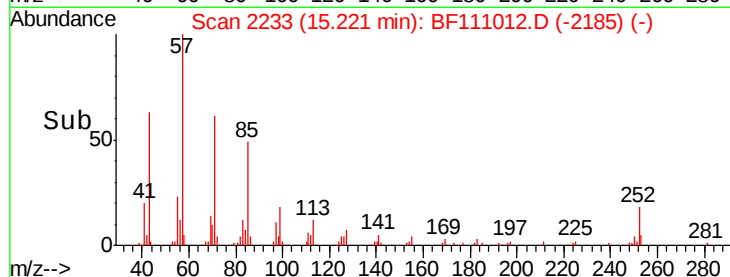
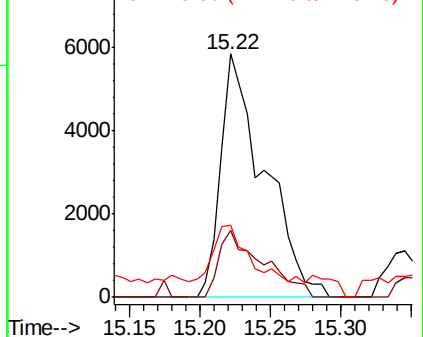


Abundance

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

Benzo(a)pyrene

Concen: 2.045 ng

RT: 15.62 min Scan# 2300

Delta R.T. 0.01 min

Lab File: BF111012.D

Acq: 27 Nov 2018 16:24

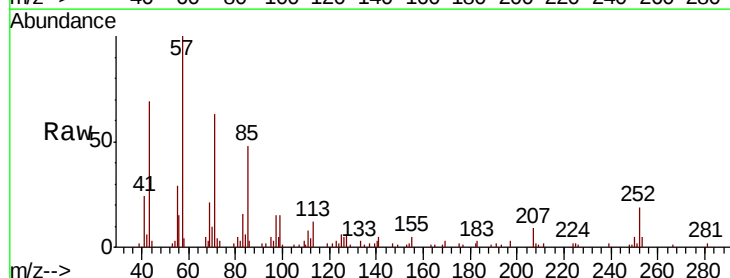
Tgt Ion:252 Resp: 7527

Ion Ratio Lower Upper

252 100

253 27.2 18.2 27.4

125 34.2 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

