

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
 Data File : BF111002.D
 Acq On : 27 Nov 2018 11:48
 Operator : JU/SJ
 Sample : J5774-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 12:57:08 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 06:43:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	49311	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	186473	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	73334	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	129361	20.00	ng	0.00
76) Chrysene-d12	14.14	240	114326	20.00	ng	0.00
87) Perylene-d12	15.67	264	77515	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	304198	102.30	ng	0.01
7) Phenol-d6	6.57	99	368239	95.03	ng	0.00
23) Nitrobenzene-d5	7.50	82	232053	71.22	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	68692	94.32	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	385473	76.15	ng	0.00
79) Terphenyl-d14	13.06	244	353804	60.24	ng	0.00

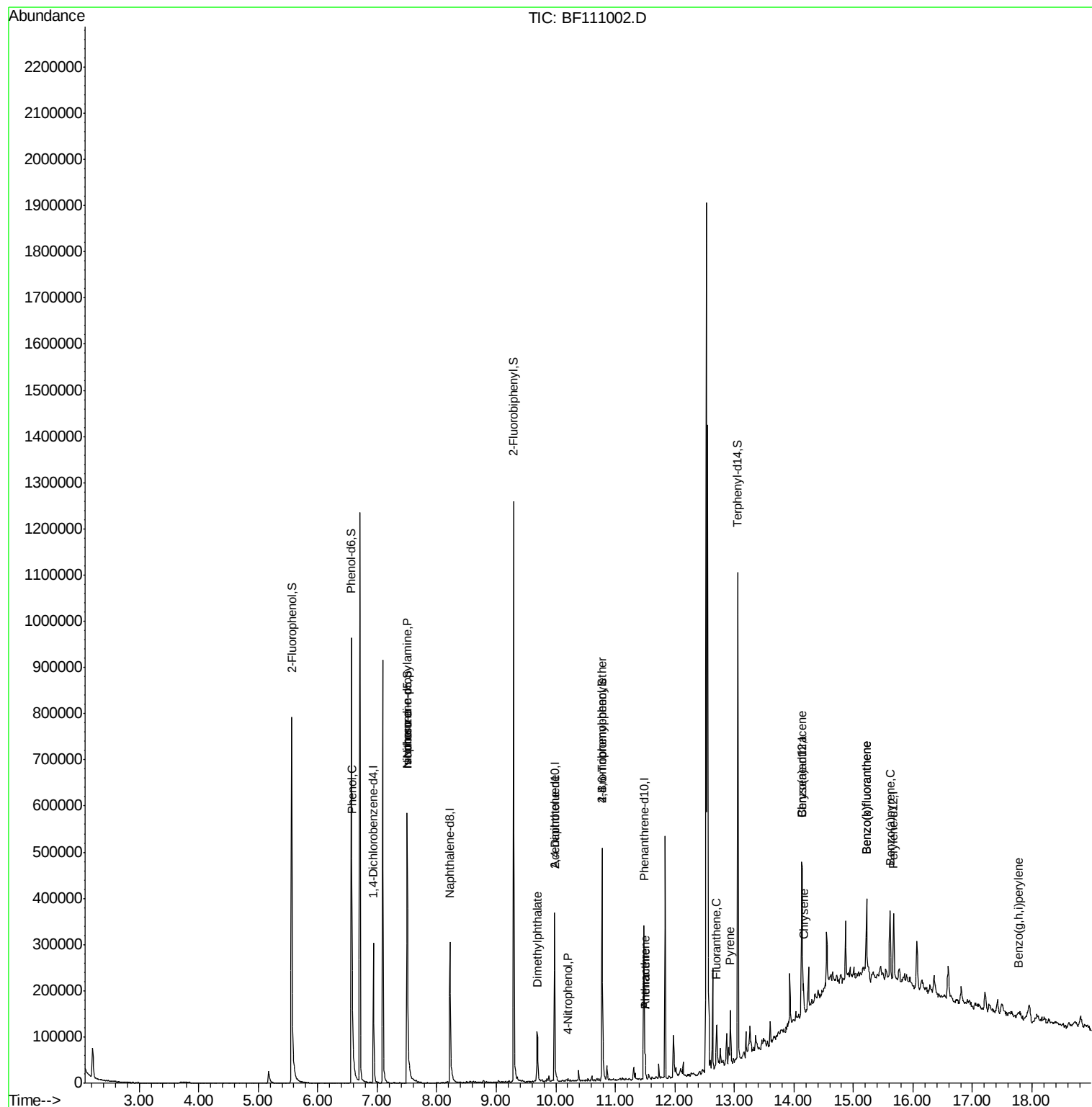
Target Compounds				Qvalue		
9) Benzaldehyde	6.57	77	642	Below Cal	#	1
10) Phenol	6.58	94	20005	4.584	ng	83
19) n-Nitroso-di-n-propylamine	7.50	70	31227	12.371	ng	80
25) Isophorone	7.50	82	232053	43.417	ng	67
50) Dimethylphthalate	9.69	163	53884	10.019	ng	100
56) 4-Nitrophenol	10.20	139	221	4.507	ng	32
57) 2,4-Dinitrotoluene	9.98	165	8777	5.650	ng	17
67) 4-Bromophenyl-phenylether	10.78	248	4237	3.007	ng	1
71) Phenanthrene	11.50	178	18341	2.677	ng	98
72) Anthracene	11.50	178	18341	2.629	ng	98
75) Fluoranthene	12.70	202	39166	5.562	ng	97
78) Pvrene	12.93	202	44293	5.305	ng	97
81) Benzo(a)anthracene	14.13	228	22063	3.269	ng	# 94
83) Chrysene	14.16	228	21703	3.266	ng	94
88) Benzo(b)fluoranthene	15.22	252	26416	5.801	ng	# 78
89) Benzo(k)fluoranthene	15.22	252	26545	5.663	ng	# 77
90) Benzo(a)pvrene	15.62	252	14974	3.533	ng	# 83
92) Benzo(g,h,i)perylene	17.77	276	9532	2.827	ng	# 81

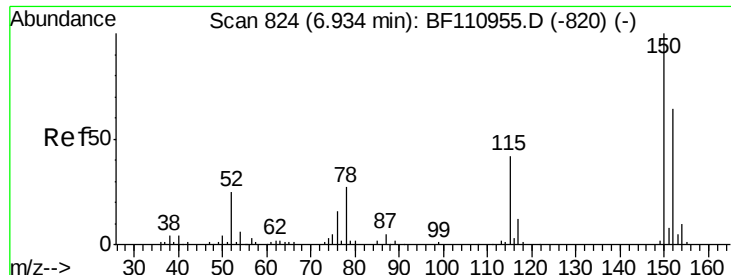
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
Data File : BF111002.D
Acq On : 27 Nov 2018 11:48
Operator : JU/SJ
Sample : J5774-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Nov 27 12:57:08 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 06:43:50 2018
Response via : Initial Calibration

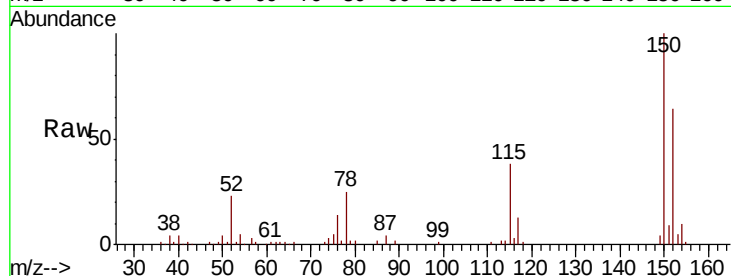




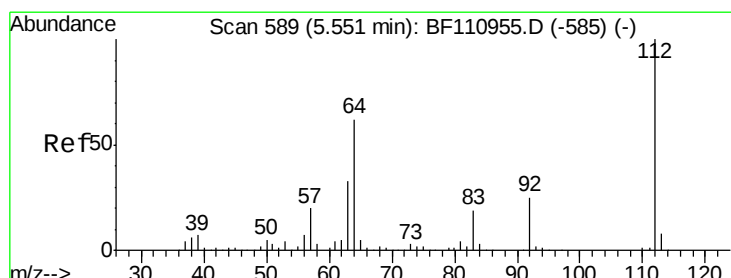
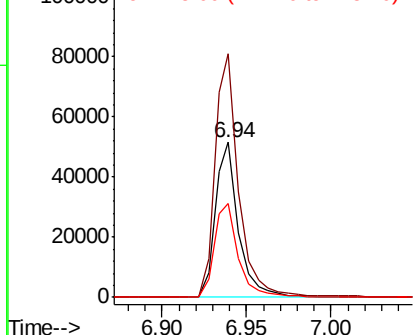
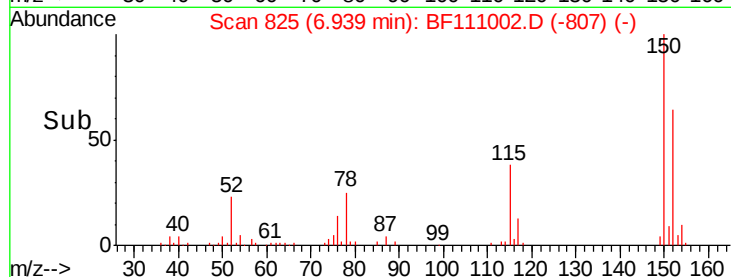
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BF111002.D
 Acq: 27 Nov 2018 11:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 49311
 Ion Ratio Lower Upper
 152 100
 150 157.2 122.7 184.1
 115 60.4 49.1 73.7

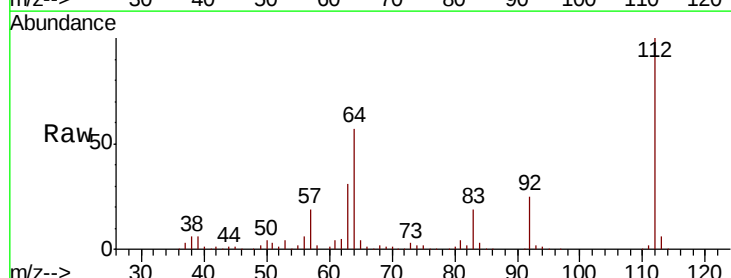


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

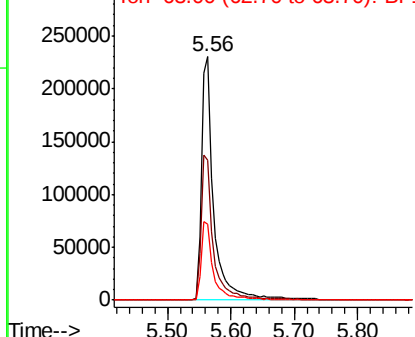
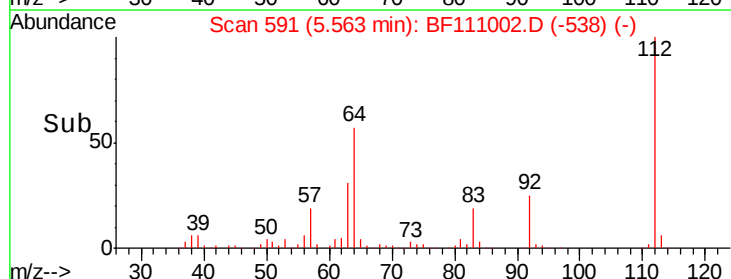


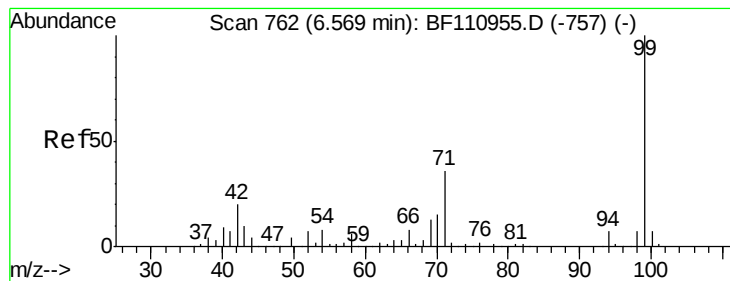
#5
 2-Fluorophenol
 Concen: 102.301 ng
 RT: 5.56 min Scan# 591
 Delta R.T. 0.01 min
 Lab File: BF111002.D
 Acq: 27 Nov 2018 11:48

Tgt Ion:112 Resp: 304198
 Ion Ratio Lower Upper
 112 100
 64 57.3 44.1 66.1
 63 31.0 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: 95.028 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.00 min

Lab File: BF111002.D

Acq: 27 Nov 2018 11:48

Instrument :

BNA_F

ClientSampled :

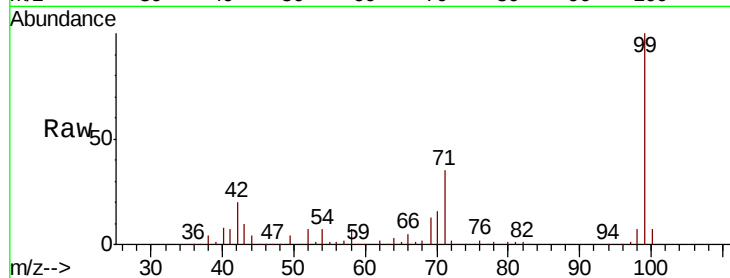
Tot Ion: 99 Resp: 368239

Ion Ratio Lower Upper

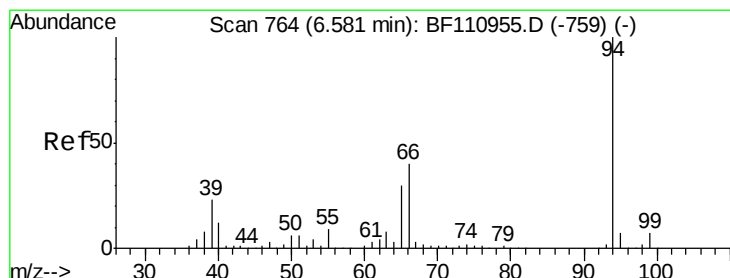
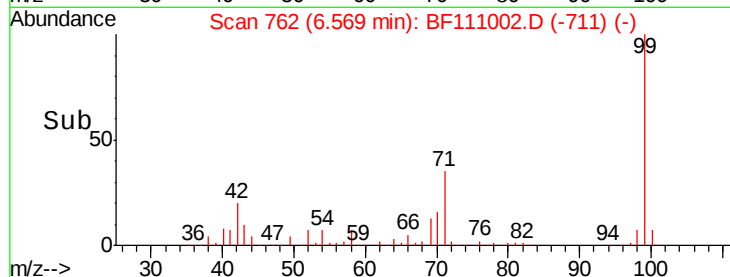
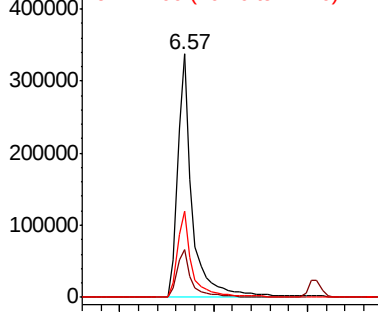
99 100

42 19.8 15.8 23.6

71 35.2 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: 4.584 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF111002.D

Acq: 27 Nov 2018 11:48

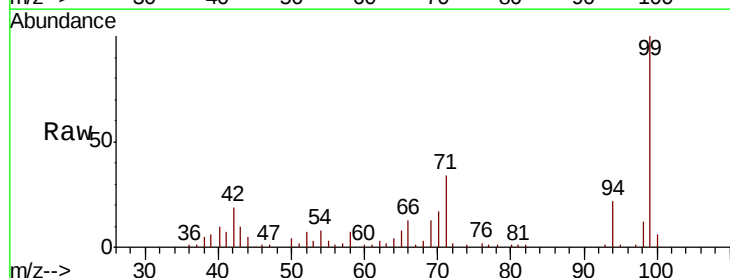
Tgt Ion: 94 Resp: 20005

Ion Ratio Lower Upper

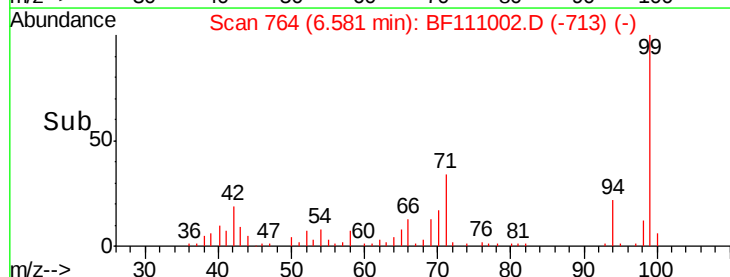
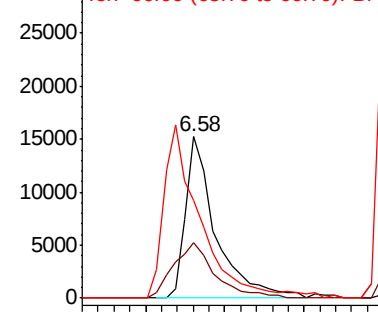
94 100

65 34.0 25.3 65.3

66 60.3 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

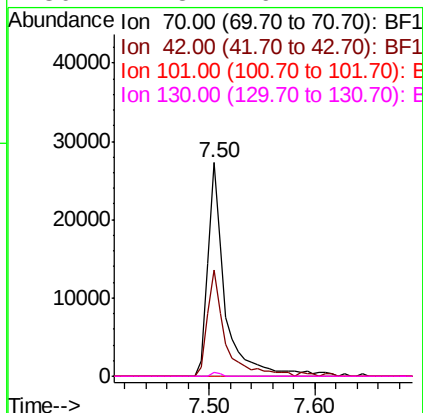
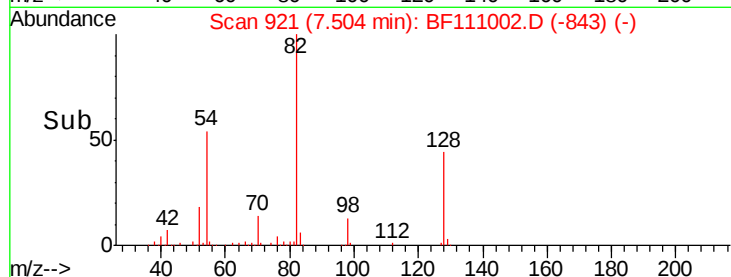
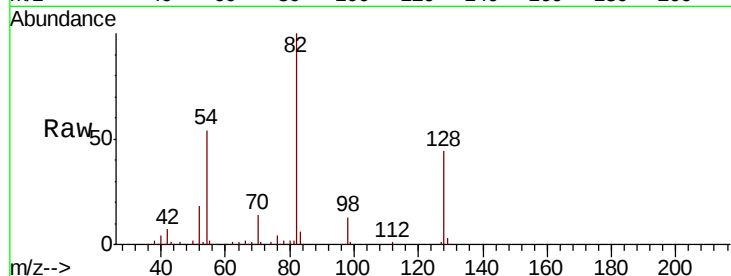




#19
n-Nitroso-di-n-propylamine
Concen: 12.371 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.16 min
Lab File: BF111002.D
Acq: 27 Nov 2018 11:48

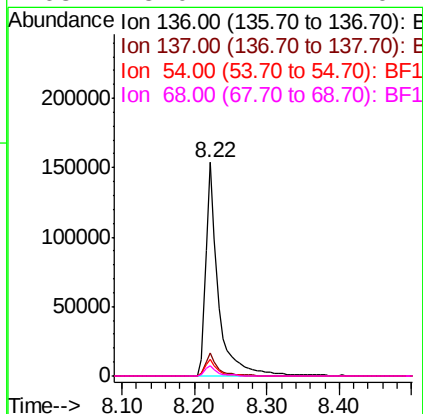
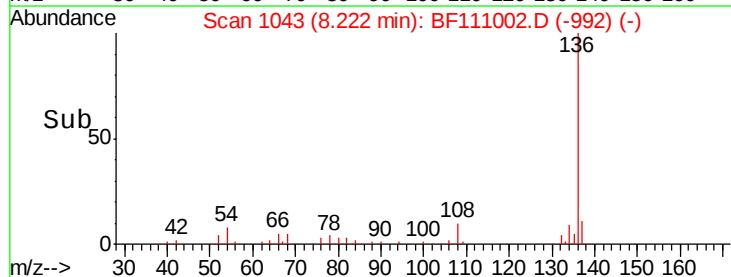
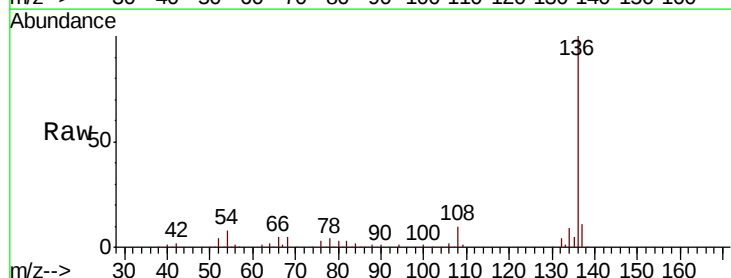
Instrument :
BNA_F
ClientSampleId :

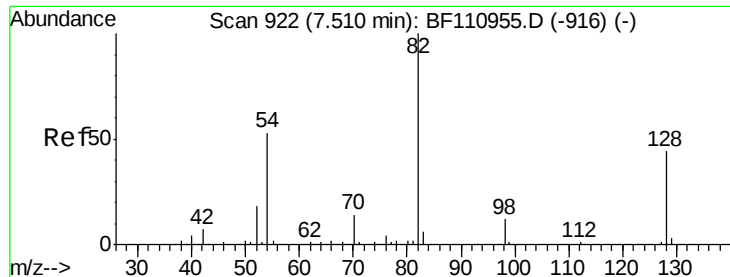
Tot Ion: 70 Resp: 31227
Ion Ratio Lower Upper
70 100
42 49.6 47.4 71.2
101 0.0 7.3 10.9#
130 1.8 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF111002.D
Acq: 27 Nov 2018 11:48

Tgt Ion: 136 Resp: 186473
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.5 5.4 8.2
68 5.0 4.2 6.2

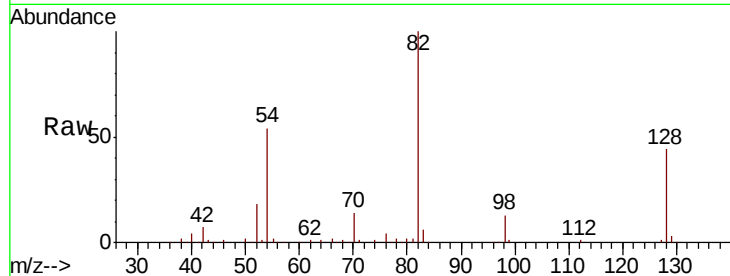




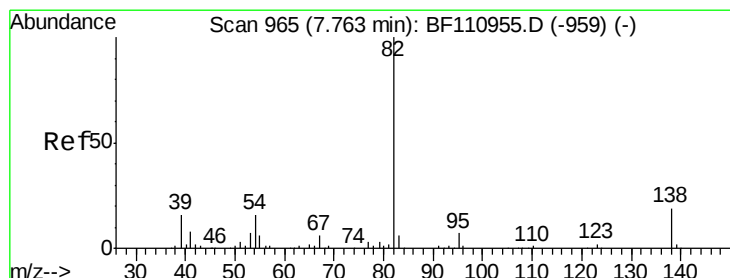
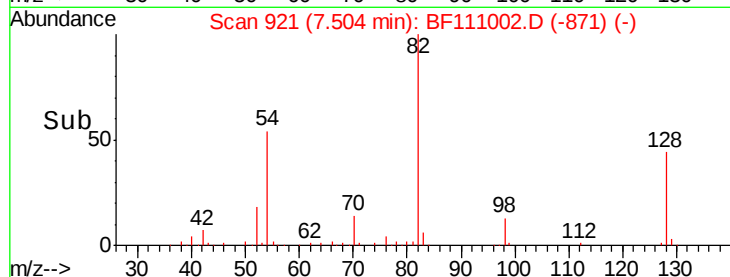
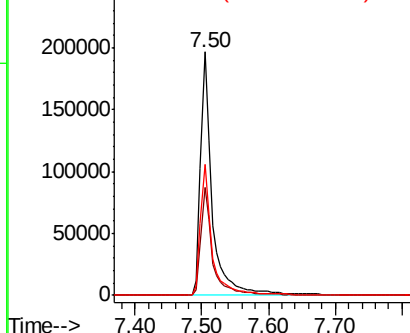
#23
Nitrobenzene-d5
Concen: 71.220 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF111002.D
Acq: 27 Nov 2018 11:48

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 232053
Ion Ratio Lower Upper
82 100
128 44.4 34.2 51.2
54 54.0 38.6 58.0

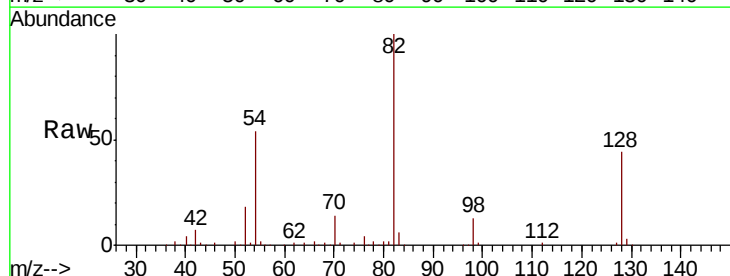


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

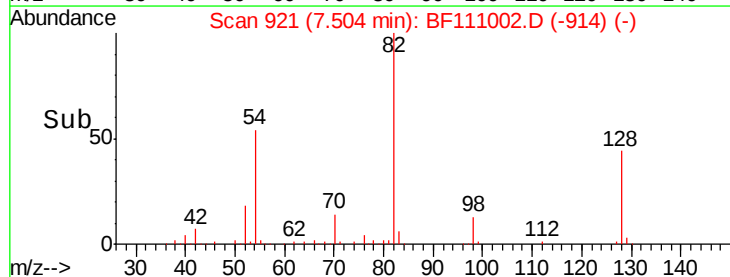
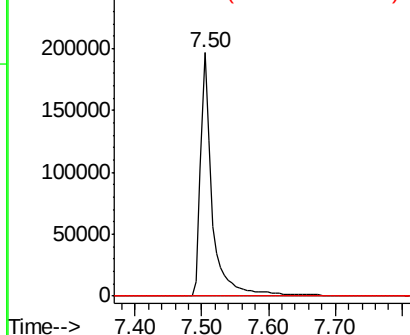


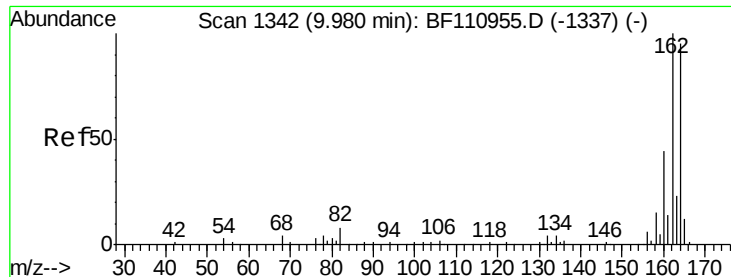
#25
Isophorone
Concen: 43.417 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF111002.D
Acq: 27 Nov 2018 11:48

Tgt Ion: 82 Resp: 232053
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

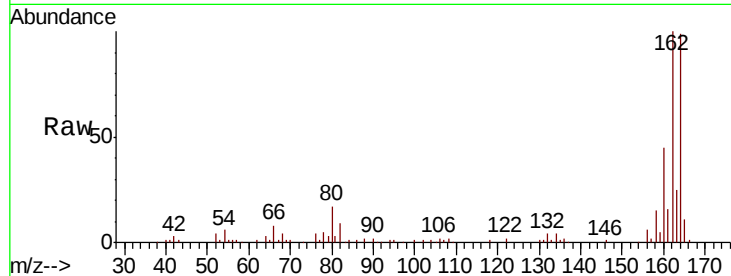




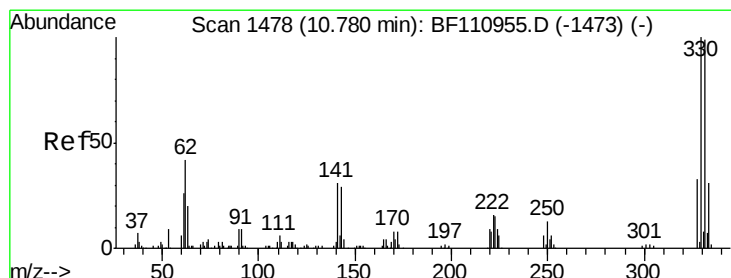
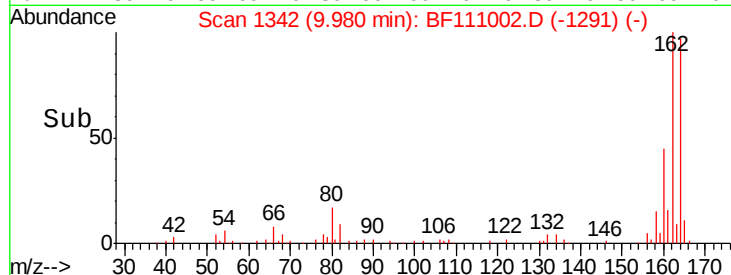
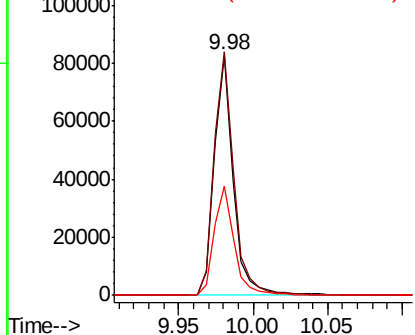
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.00 min
 Lab File: BF111002.D
 Acq: 27 Nov 2018 11:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 73334
 Ion Ratio Lower Upper
 164 100
 162 101.5 83.0 124.6
 160 45.7 37.0 55.6

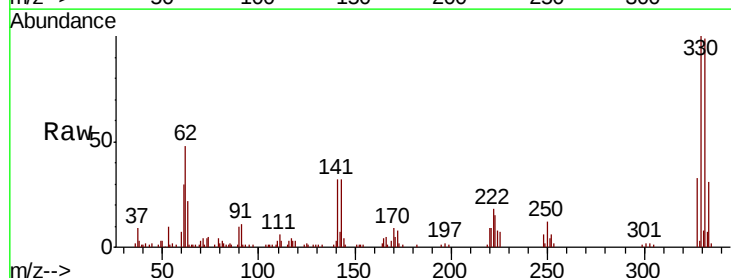


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

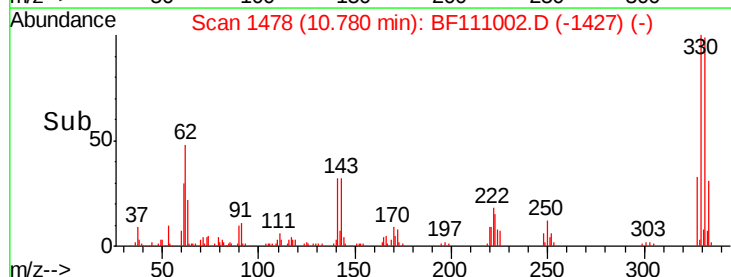
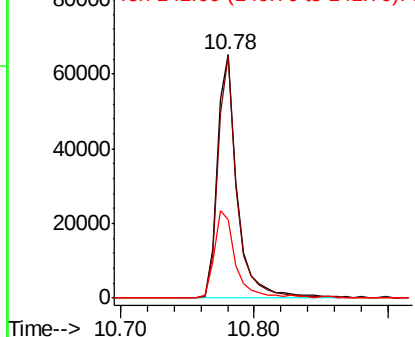


#42
 2,4,6-Tribromophenol
 Concen: 94.318 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.00 min
 Lab File: BF111002.D
 Acq: 27 Nov 2018 11:48

Tgt Ion:330 Resp: 68692
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.1 115.7
 141 38.5 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

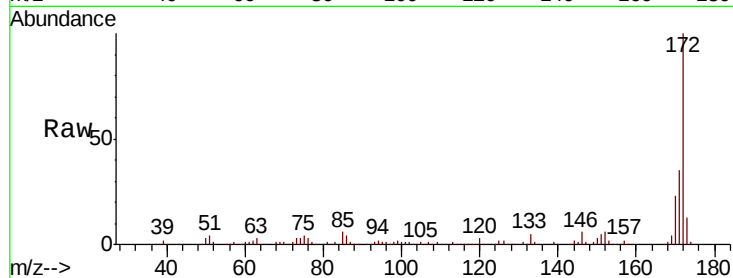




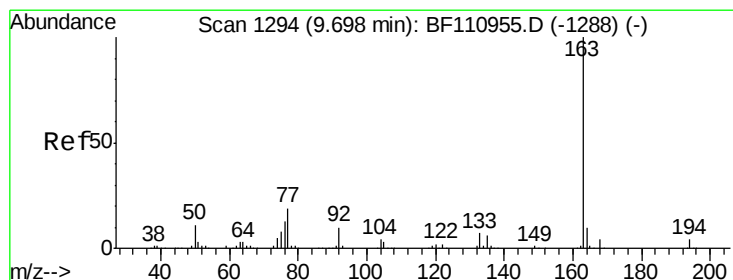
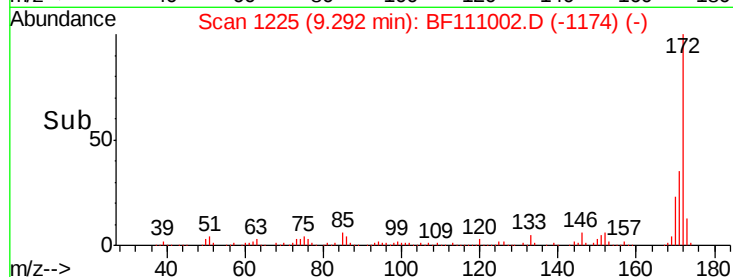
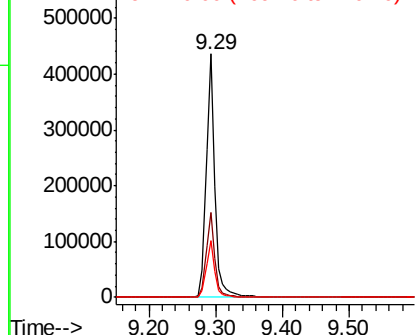
#45
2-Fluorobiphenyl
Concen: 76.153 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.00 min
Lab File: BF111002.D
Acq: 27 Nov 2018 11:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 385473
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 23.2 19.7 29.5

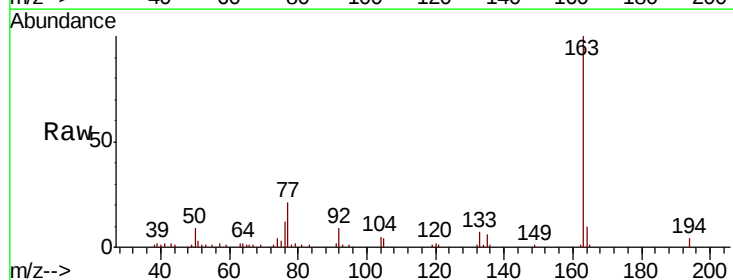


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

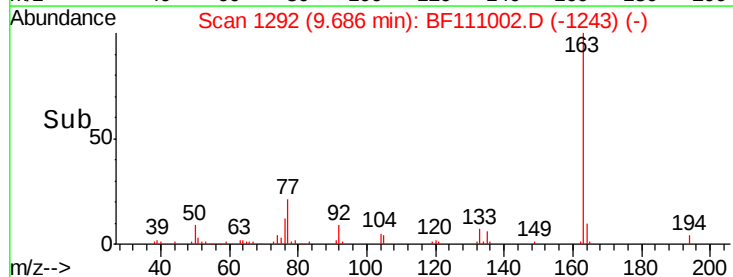
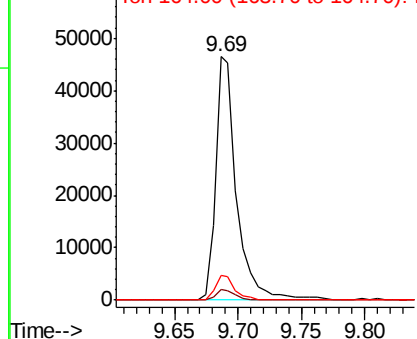


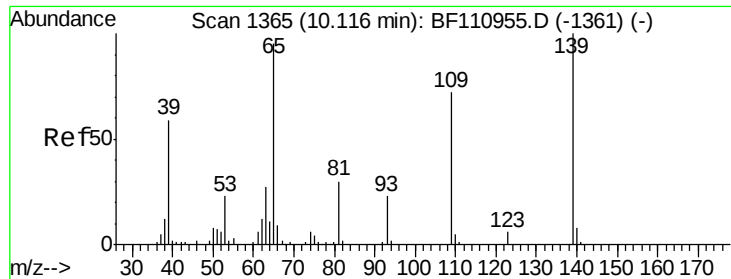
#50
Dimethylphthalate
Concen: 10.019 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF111002.D
Acq: 27 Nov 2018 11:48

Tgt Ion:163 Resp: 53884
Ion Ratio Lower Upper
163 100
194 4.1 3.2 4.8
164 10.2 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

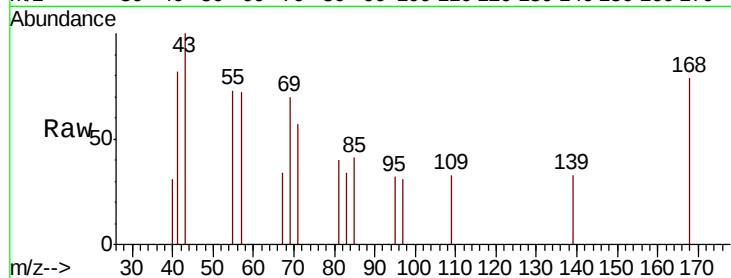




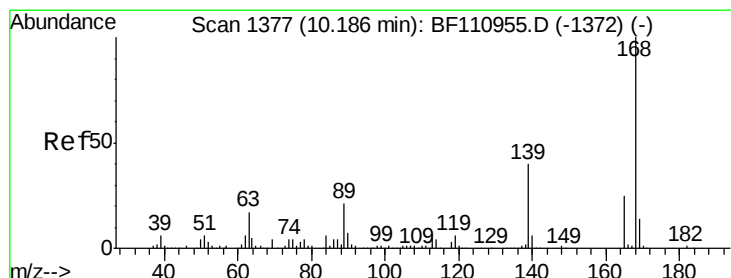
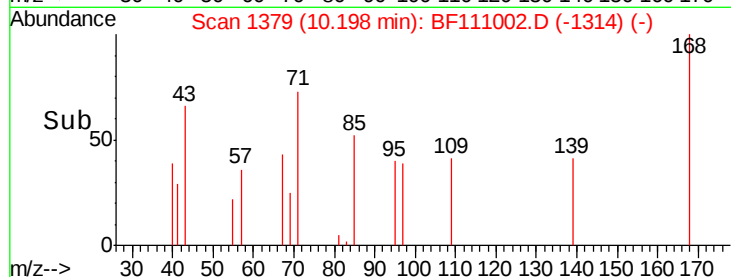
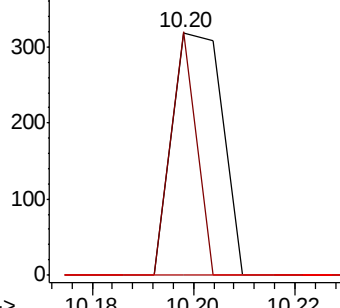
#56
4-Nitrophenol
Concen: 4.507 ng
RT: 10.20 min Scan# 1379
Delta R.T. 0.08 min
Lab File: BF111002.D
Acq: 27 Nov 2018 11:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 221
Ion Ratio Lower Upper
139 100
109 100.3 55.8 95.8#
65 0.0 77.9 117.9#

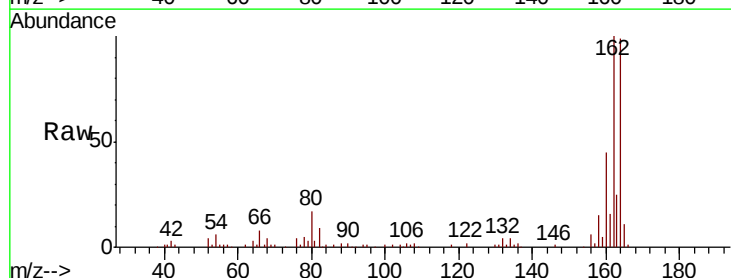


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

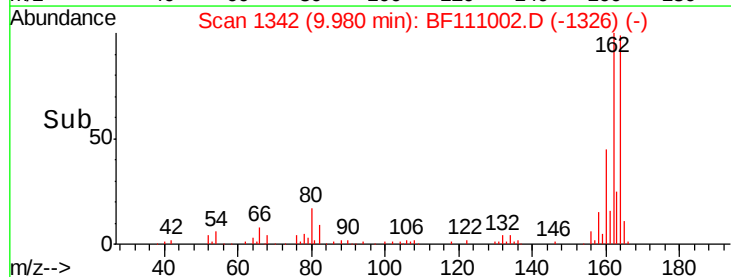
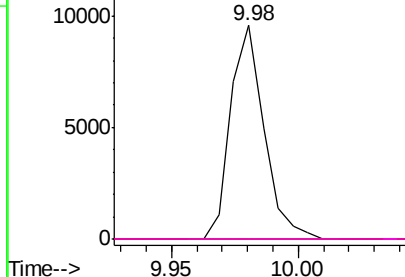


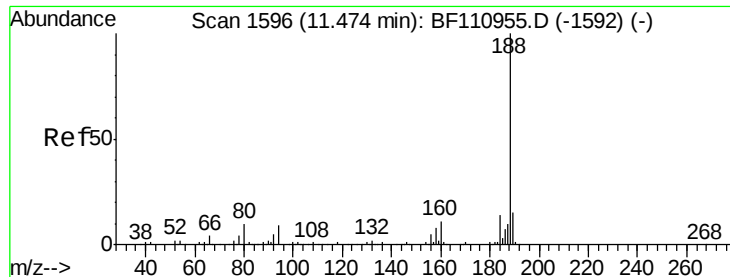
#57
2,4-Dinitrotoluene
Concen: 5.650 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.21 min
Lab File: BF111002.D
Acq: 27 Nov 2018 11:48

Tgt Ion:165 Resp: 8777
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#



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

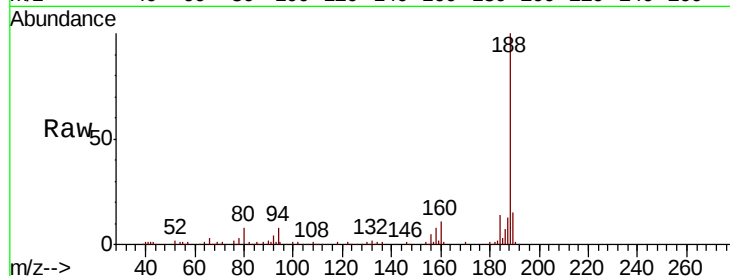




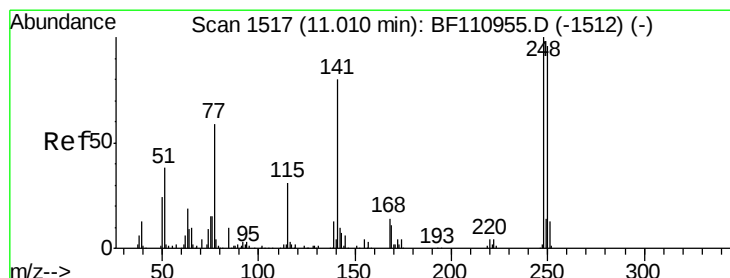
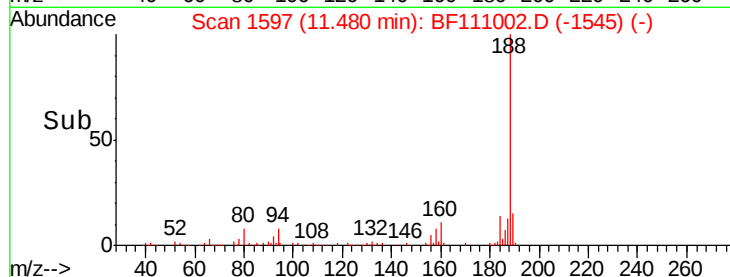
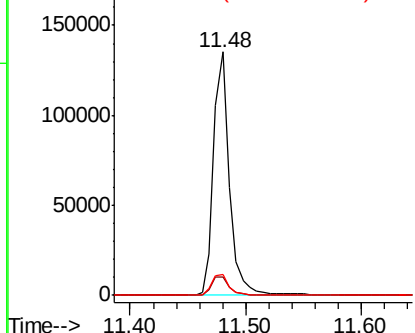
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BF111002.D
Acq: 27 Nov 2018 11:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 129361
Ion Ratio Lower Upper
188 100
94 7.7 7.2 10.8
80 8.4 7.9 11.9

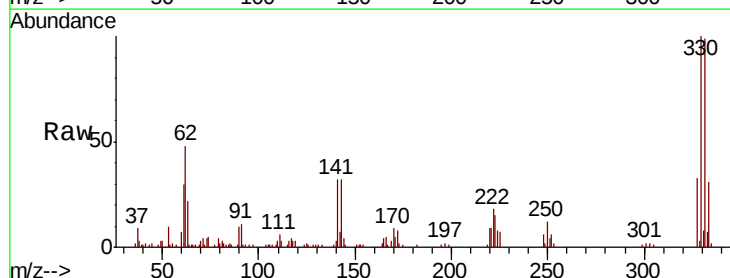


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

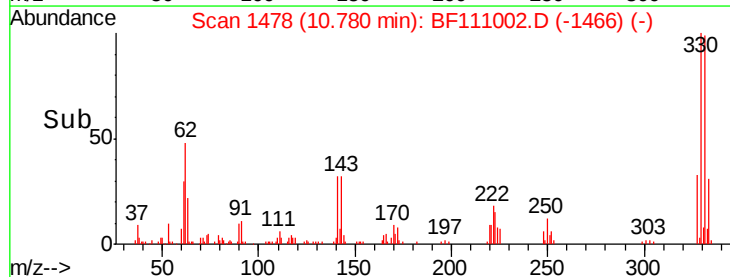
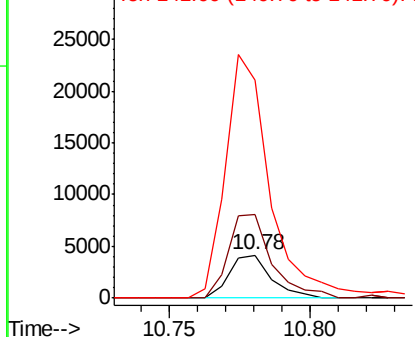


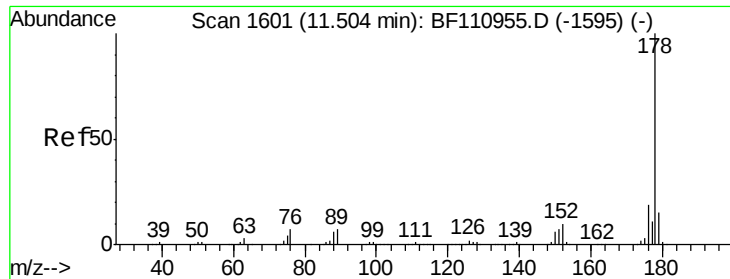
#67
4-Bromophenyl-phenylether
Concen: 3.007 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.23 min
Lab File: BF111002.D
Acq: 27 Nov 2018 11:48

Tgt Ion:248 Resp: 4237
Ion Ratio Lower Upper
248 100
250 194.9 79.4 119.2#
141 511.9 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

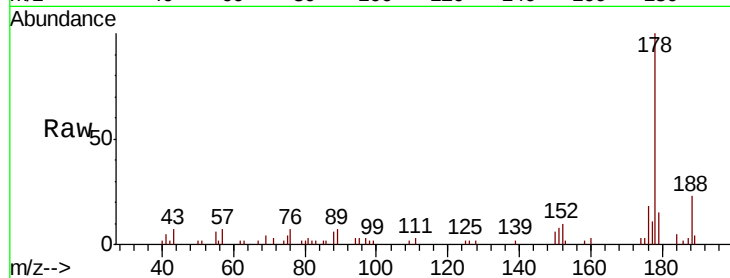




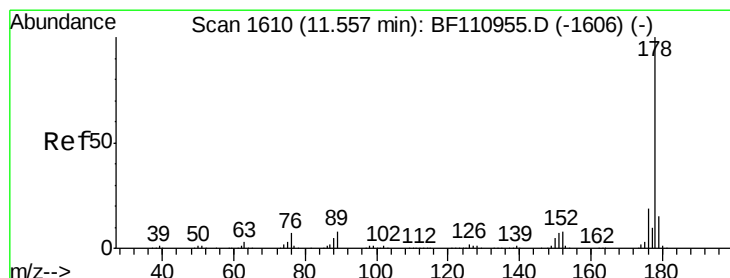
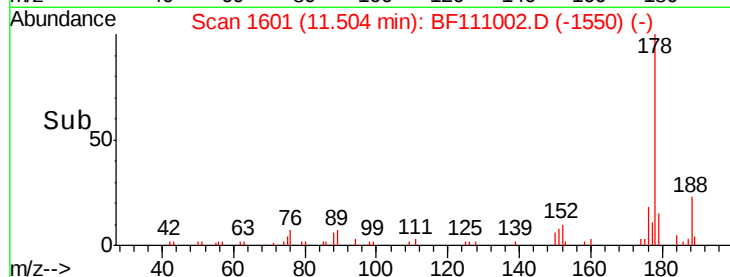
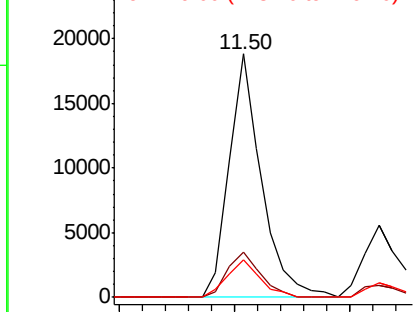
#71
Phenanthrene
Concen: 2.677 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: BF111002.D
Acq: 27 Nov 2018 11:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 18341
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 15.2 12.5 18.7

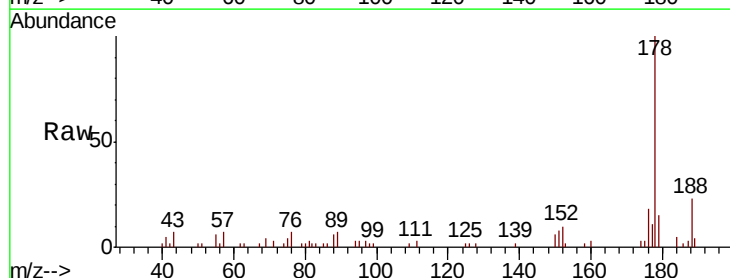


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

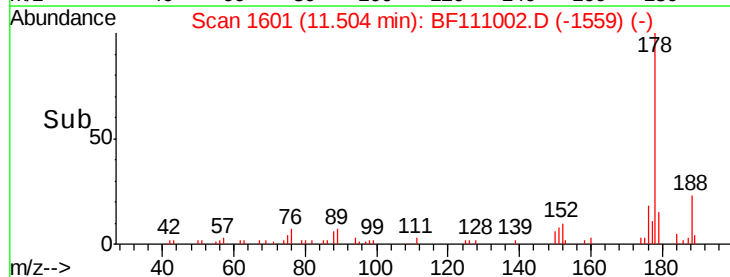
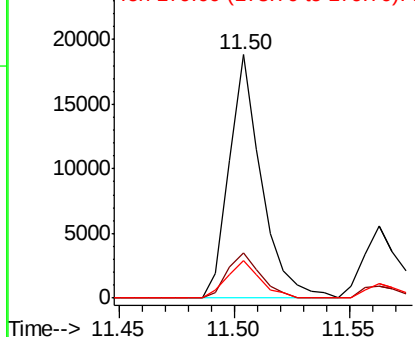


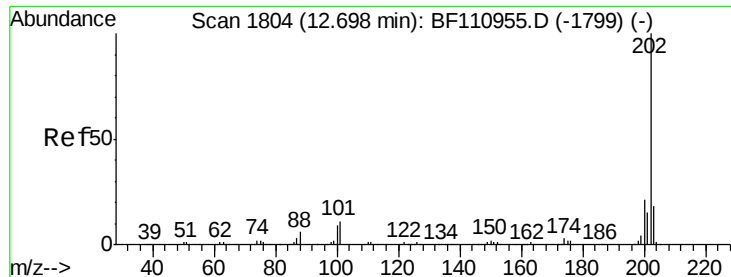
#72
Anthracene
Concen: 2.629 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.05 min
Lab File: BF111002.D
Acq: 27 Nov 2018 11:48

Tgt Ion:178 Resp: 18341
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 15.2 12.6 18.8



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: 5.562 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF111002.D

Acq: 27 Nov 2018 11:48

Instrument :

BNA_F

ClientSampled :

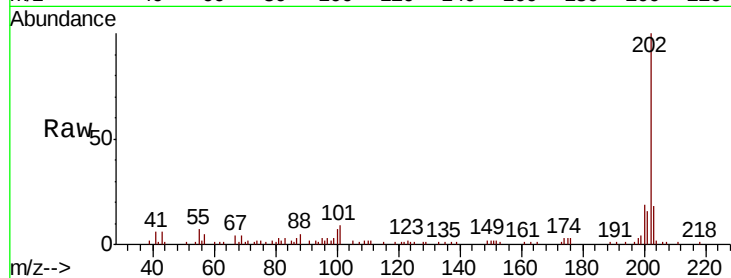
Tot Ion:202 Resp: 39166

Ion Ratio Lower Upper

202 100

101 8.8 0.0 31.4

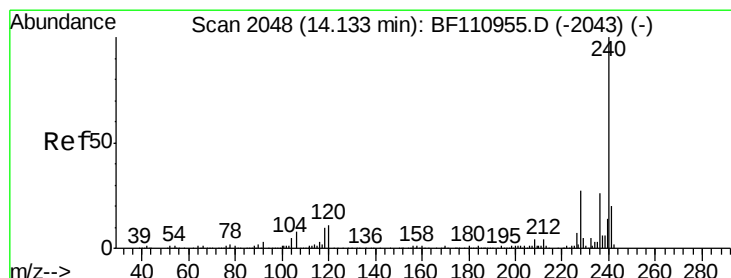
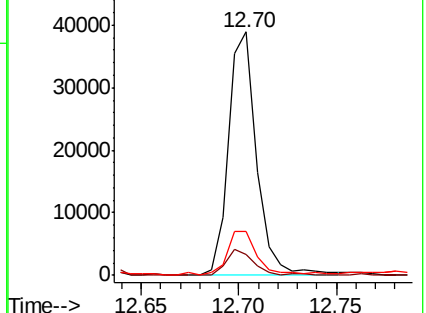
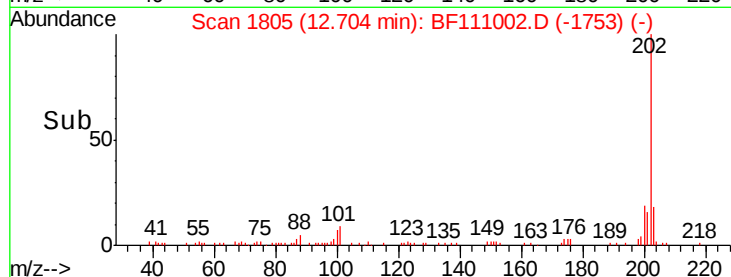
203 18.2 0.0 37.7



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: BF111002.D

Acq: 27 Nov 2018 11:48

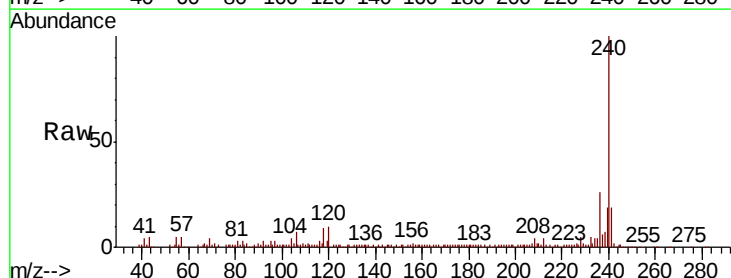
Tgt Ion:240 Resp: 114326

Ion Ratio Lower Upper

240 100

120 10.2 8.3 12.5

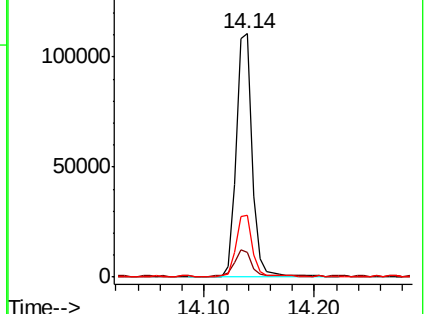
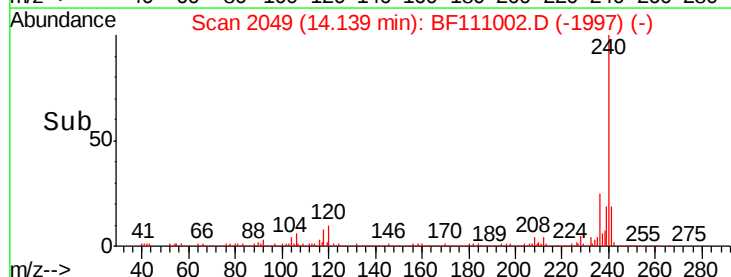
236 25.6 21.2 31.8

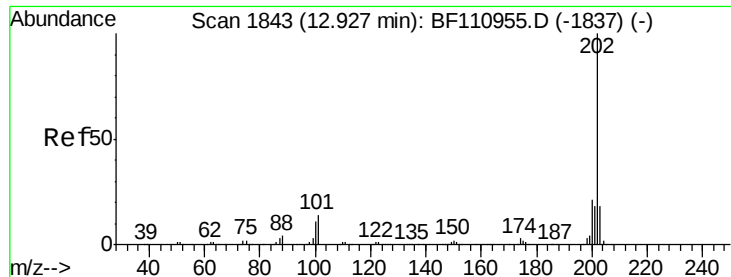


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

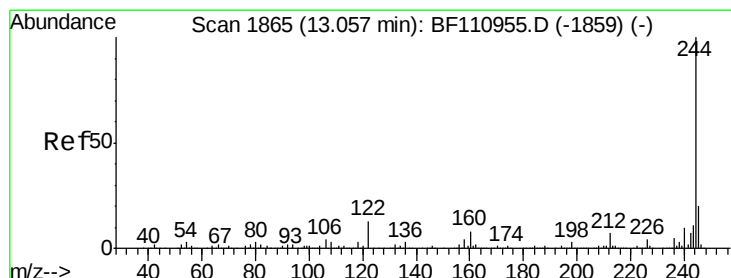
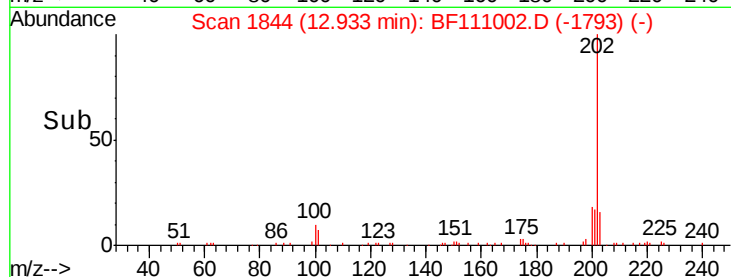
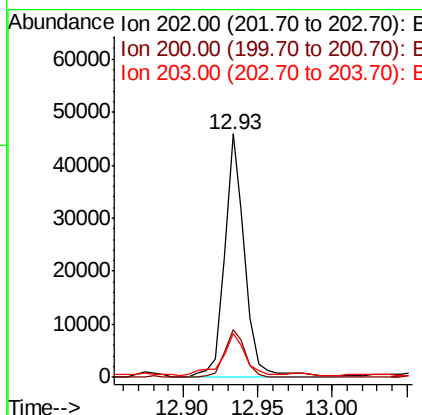
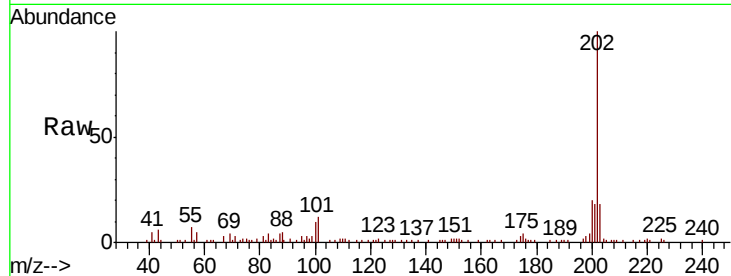




#78
Pvrene
Concen: 5.305 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BF111002.D
Acq: 27 Nov 2018 11:48

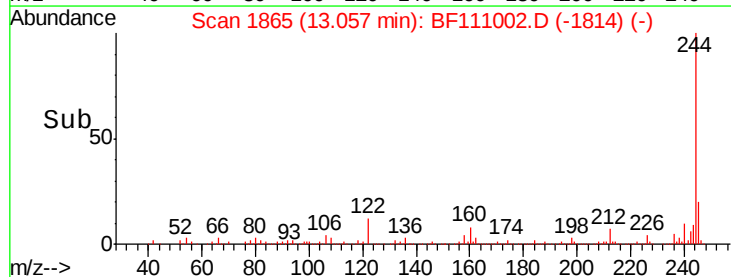
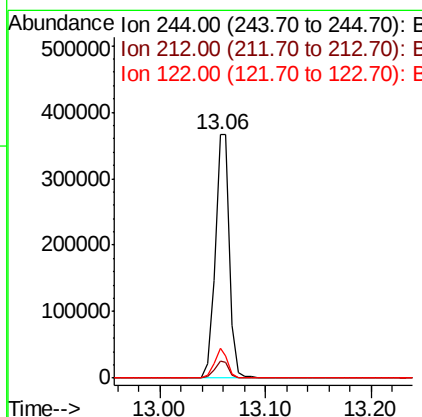
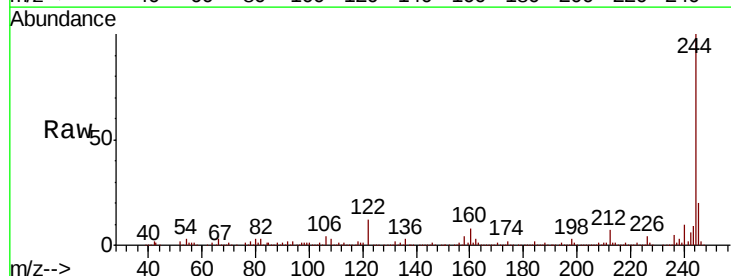
Instrument :
BNA_F
ClientSampleId :

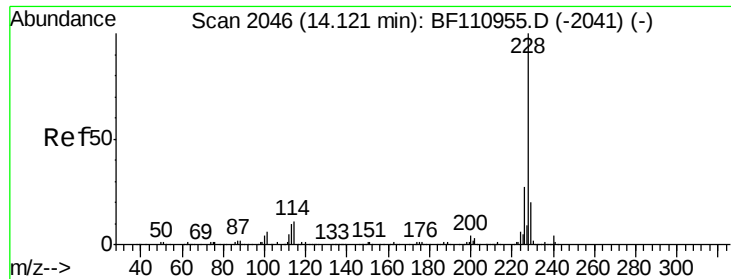
Tot Ion:202 Resp: 44293
Ion Ratio Lower Upper
202 100
200 19.8 17.8 26.6
203 17.9 14.2 21.4



#79
Terphenyl-d14
Concen: 60.243 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.00 min
Lab File: BF111002.D
Acq: 27 Nov 2018 11:48

Tgt Ion:244 Resp: 353804
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.8
122 12.2 8.7 13.1

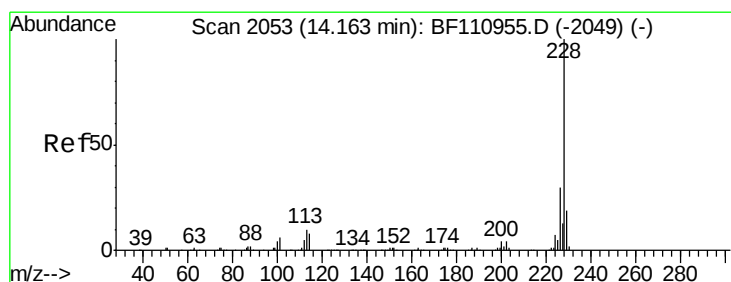
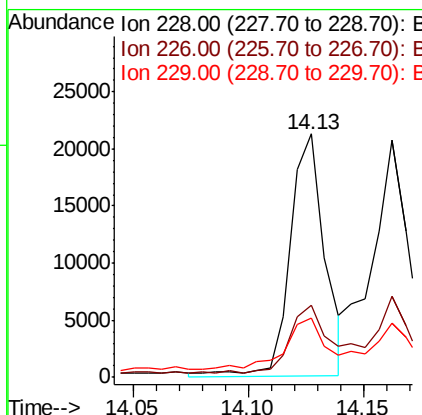
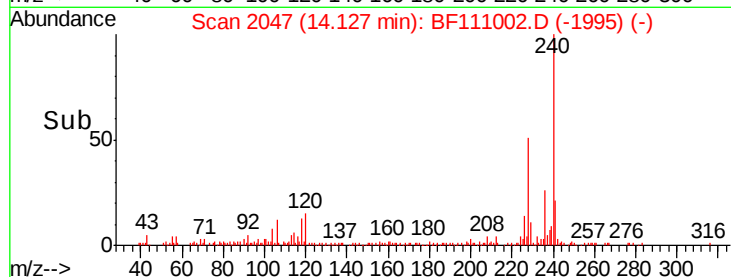
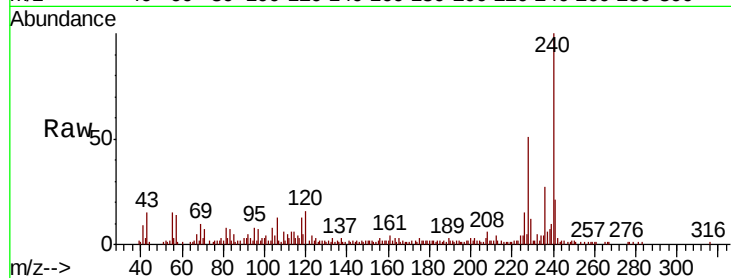




#81
Benzo(a)anthracene
Concen: 3.269 ng
RT: 14.13 min Scan# 2047
Delta R.T. 0.01 min
Lab File: BF111002.D
Acq: 27 Nov 2018 11:48

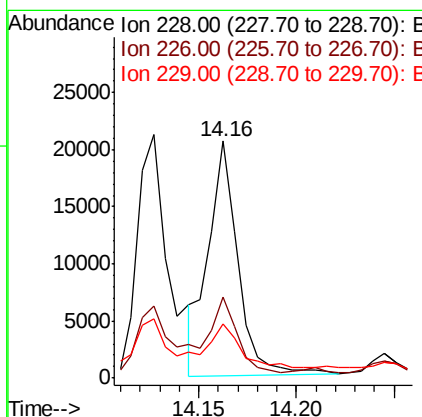
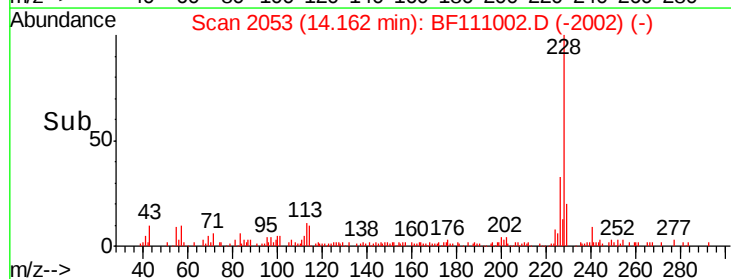
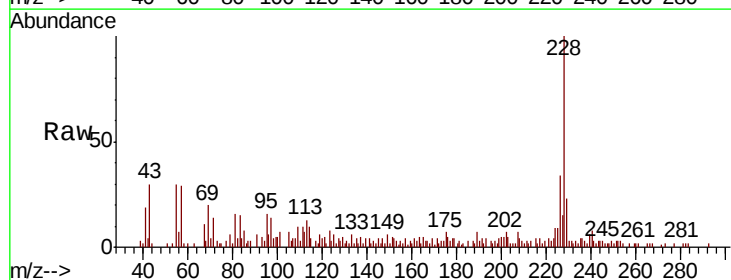
Instrument :
BNA_F
ClientSampled :

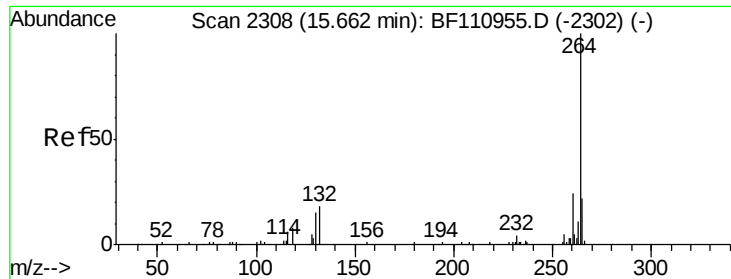
Tot Ion:228 Resp: 22063
Ion Ratio Lower Upper
228 100
226 29.4 22.1 33.1
229 24.2 15.6 23.4#



#83
Chrysene
Concen: 3.266 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.00 min
Lab File: BF111002.D
Acq: 27 Nov 2018 11:48

Tgt Ion:228 Resp: 21703
Ion Ratio Lower Upper
228 100
226 34.3 24.7 37.1
229 22.7 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: BF111002.D

Acq: 27 Nov 2018 11:48

Instrument :

BNA_F

ClientSampleId :

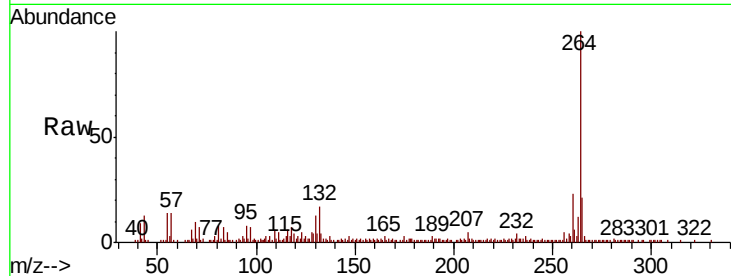
Tot Ion:264 Resp: 77515

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	20.5	16.7	25.1

264 100

260 23.2 18.7 28.1

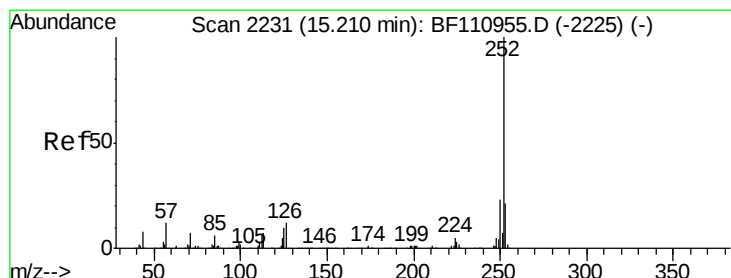
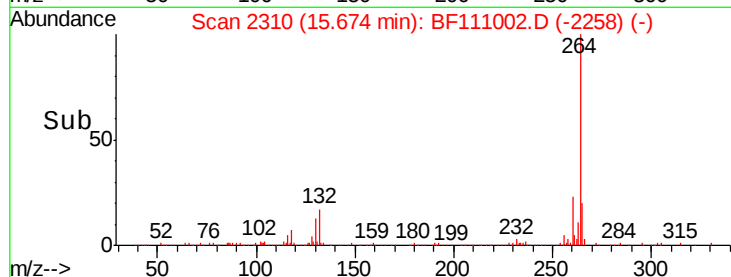
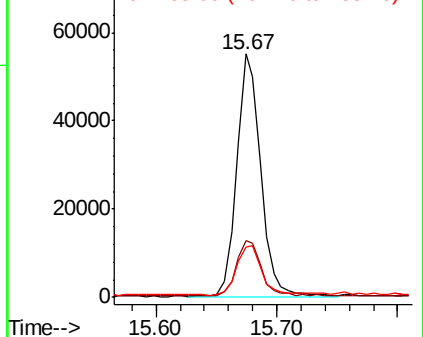
265 20.5 16.7 25.1



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: 5.801 ng

RT: 15.22 min Scan# 2233

Delta R.T. 0.01 min

Lab File: BF111002.D

Acq: 27 Nov 2018 11:48

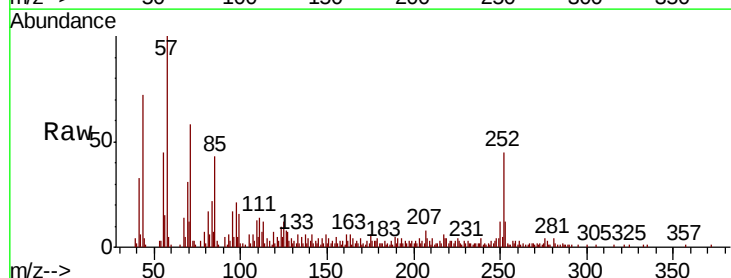
Tgt Ion:252 Resp: 26416

Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.2	25.8#
125	27.5	8.2	12.4#

252 100

253 26.8 17.2 25.8#

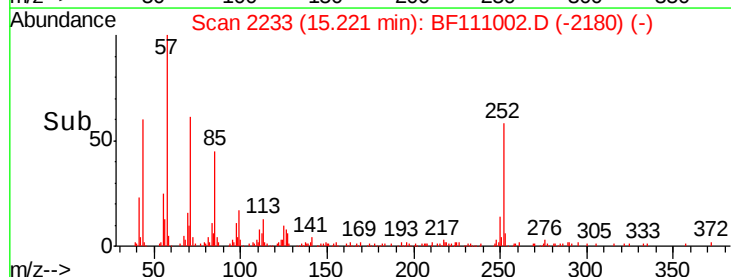
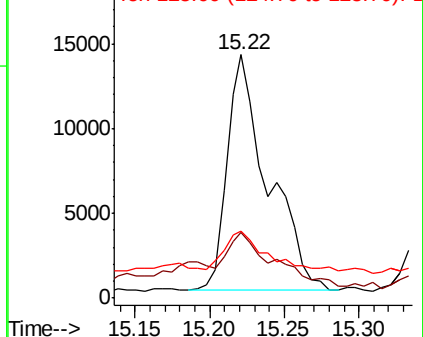
125 27.5 8.2 12.4#

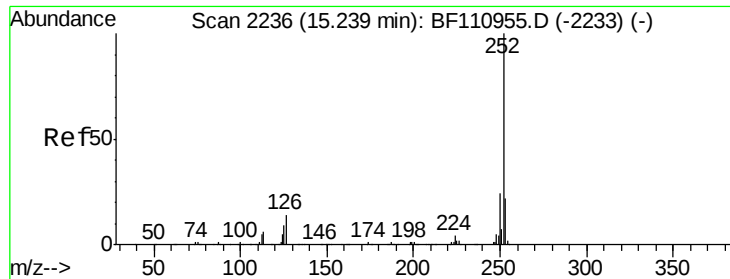


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 5.663 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.02 min

Lab File: BF111002.D

Acq: 27 Nov 2018 11:48

Instrument :

BNA_F

ClientSampleId :

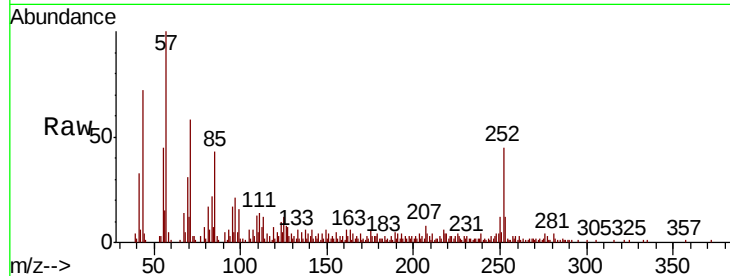
Tot Ion:252 Resp: 26545

Ion Ratio Lower Upper

252 100

253 26.8 17.2 25.8#

125 27.5 7.4 11.0#

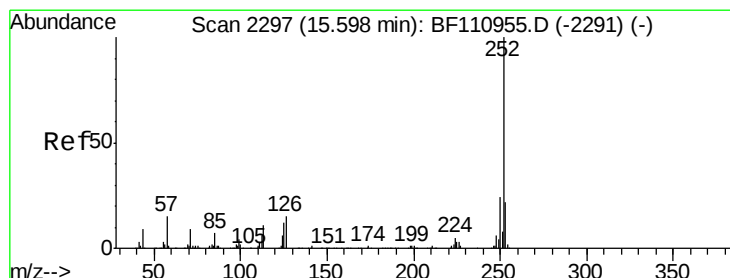
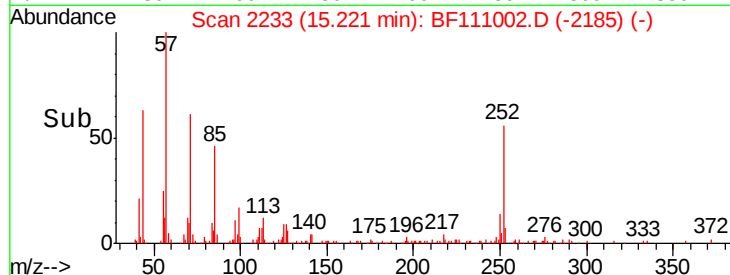
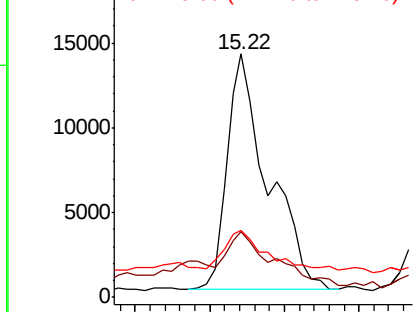


Abundance

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: 3.533 ng

RT: 15.62 min Scan# 2300

Delta R.T. 0.01 min

Lab File: BF111002.D

Acq: 27 Nov 2018 11:48

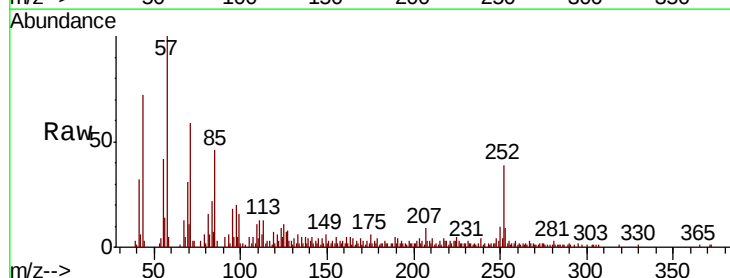
Tgt Ion:252 Resp: 14974

Ion Ratio Lower Upper

252 100

253 24.4 18.2 27.4

125 28.9 9.0 13.6#

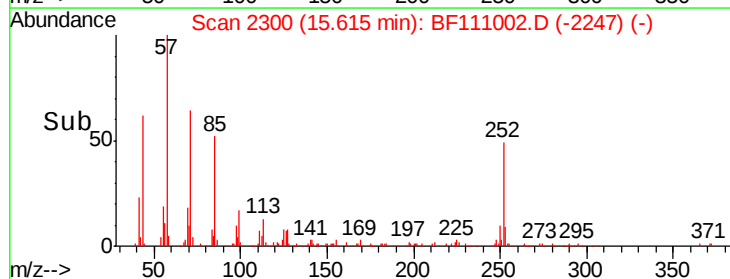
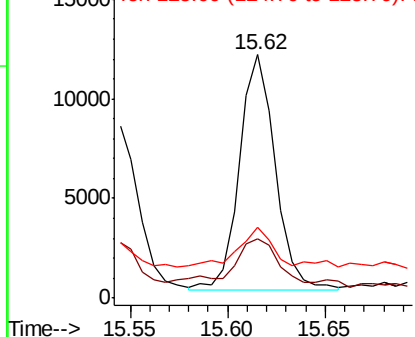


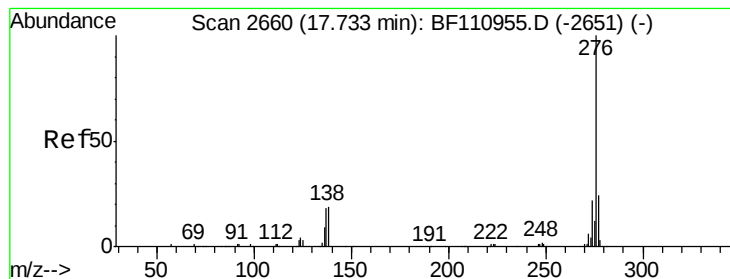
Abundance

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





#92

Benzo(a,h,i)perylene

Concen: 2.827 ng

RT: 17.77 min Scan# 2667

Delta R.T. 0.04 min

Lab File: BF111002.D

Acq: 27 Nov 2018 11:48

Instrument :

BNA_F

ClientSampleId :

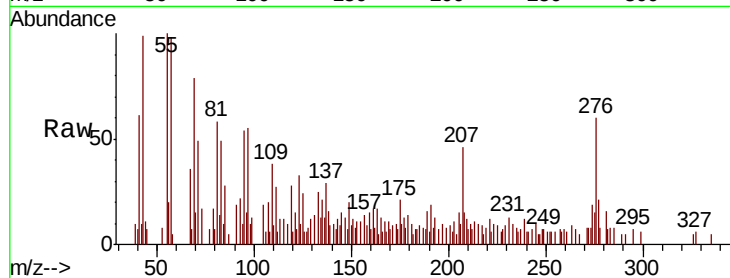
Tot Ion: 276 Resp: 9532

Ion Ratio Lower Upper

276 100

277 34.9 18.8 28.2#

138 26.4 16.0 24.0#



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

