

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
 Data File : BF110170.D
 Acq On : 25 Oct 2018 19:44
 Operator : JU/SJ
 Sample : J5651-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 26 04:16:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

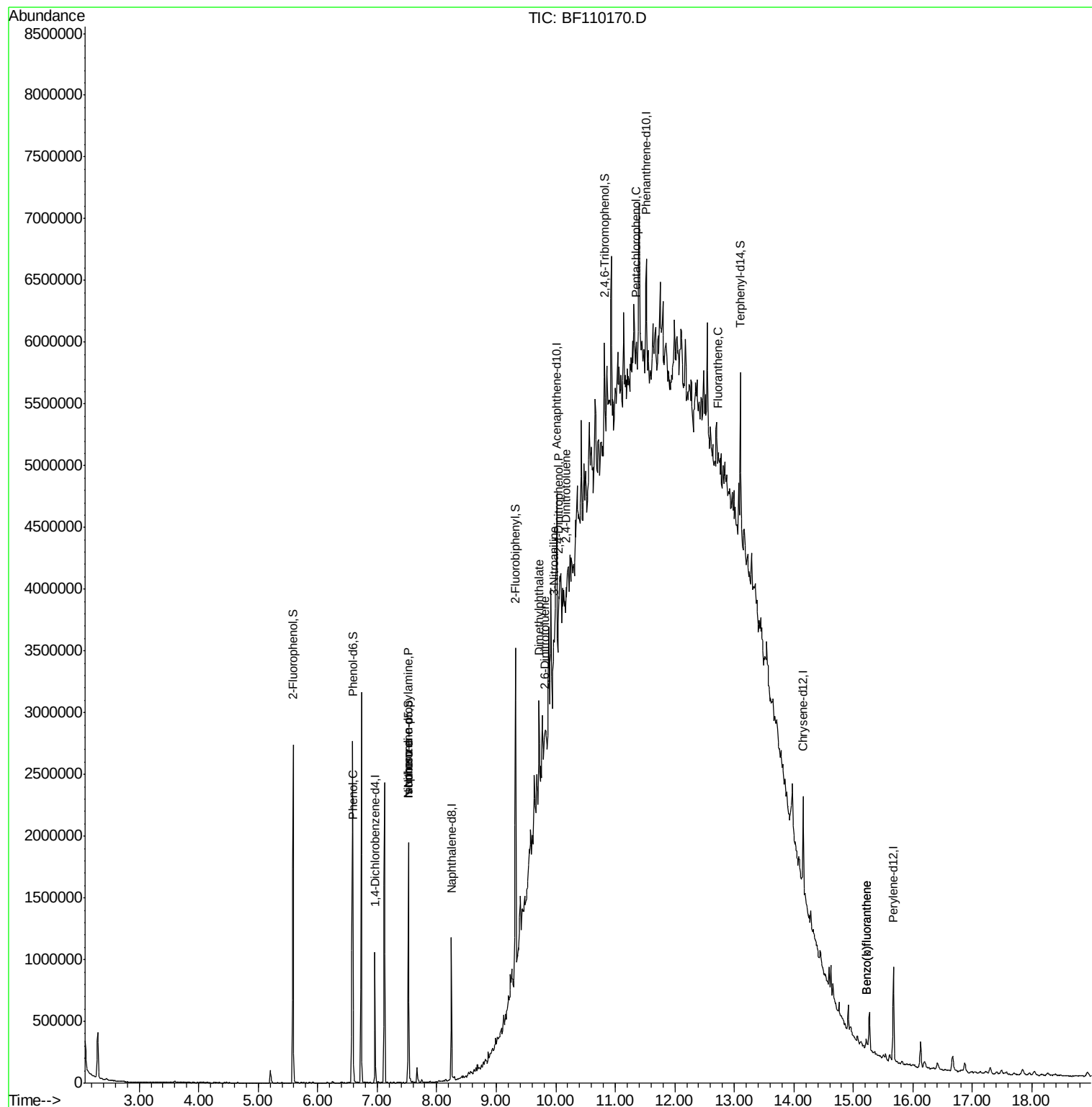
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	142600	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	566846	20.00	ng	-0.02
39) Acenaphthene-d10	10.02	164	206777	20.00	ng	-0.01
64) Phenanthrene-d10	11.52	188	267810	20.00	ng	0.00
76) Chrysene-d12	14.16	240	250478	20.00	ng	0.00
87) Perylene-d12	15.67	264	263685	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	793201	90.58	ng	-0.01
7) Phenol-d6	6.59	99	998164	89.12	ng	-0.02
23) Nitrobenzene-d5	7.53	82	608798	63.70	ng	-0.02
42) 2,4,6-Tribromophenol	10.82	330	161590	78.89	ng	0.00
45) 2-Fluorobiphenyl	9.32	172	871109	66.15	ng	-0.02
79) Terphenyl-d14	13.10	244	503609	41.81	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	5691	Below Cal		Qvalue # 6
10) Phenol	6.60	94	102652	8.574	ng	# 64
19) n-Nitroso-di-n-propylamine	7.53	70	82335	11.458	ng	# 78
25) Isophorone	7.53	82	608789	37.370	ng	# 67
50) Dimethylphthalate	9.72	163	148974	9.760	ng	# 89
51) 2,6-Dinitrotoluene	9.81	165	17068	5.191	ng	# 27
53) 3-Nitroaniline	9.96	138	12085	3.091	ng	# 16
54) 2,4-Dinitrophenol	10.04	184	106	5.251	ng	# 1
57) 2,4-Dinitrotoluene	10.17	165	9870	2.363	ng	# 27
70) Pentachlorophenol	11.34	266	5554	3.090	ng	# 30
75) Fluoranthene	12.74	202	36454	2.563	ng	# 73
88) Benzo(b)fluoranthene	15.22	252	38310	2.516	ng	# 81
89) Benzo(k)fluoranthene	15.22	252	38310	2.559	ng	# 80

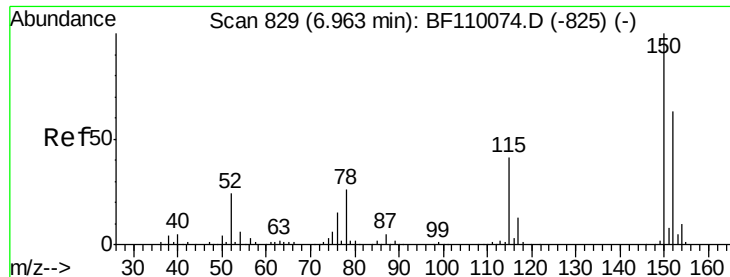
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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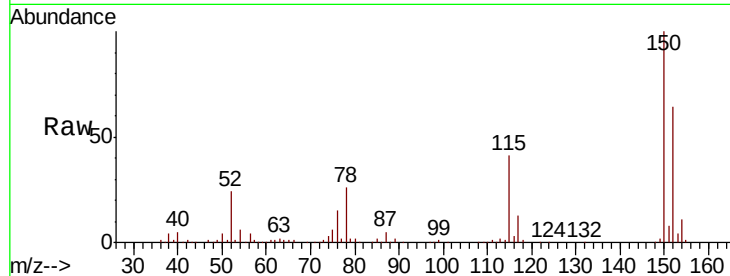


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF110170.D
Acq: 25 Oct 2018 19:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	122.7	184.1
115	64.5	49.1	73.7

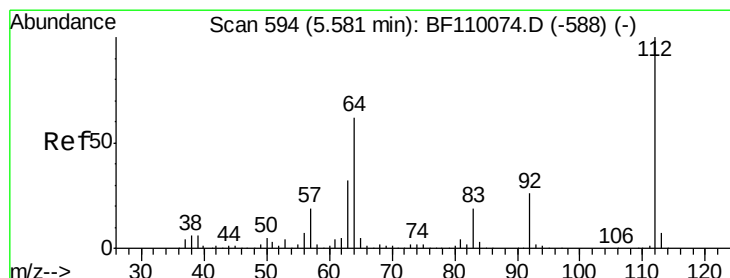
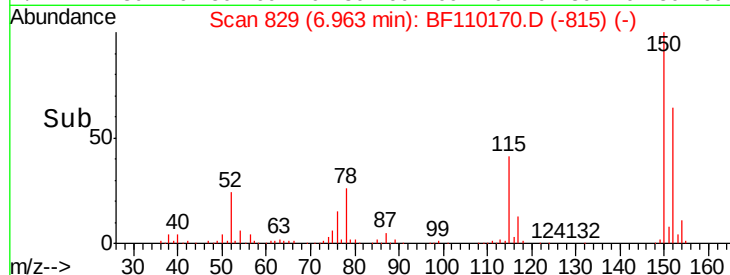
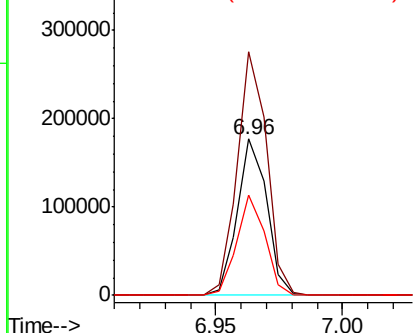


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

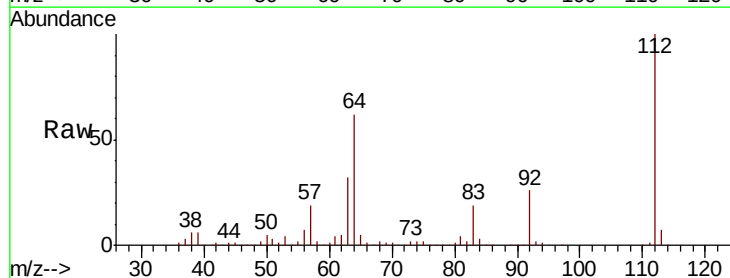
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.581 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF110170.D
Acq: 25 Oct 2018 19:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	44.1	66.1
63	32.1	23.7	35.5

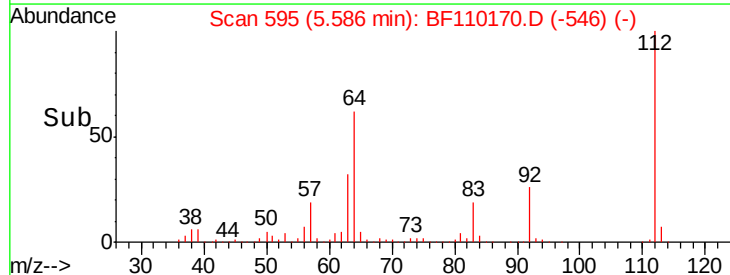
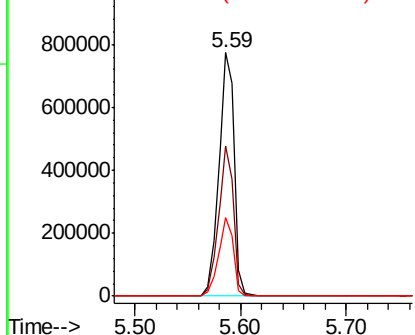


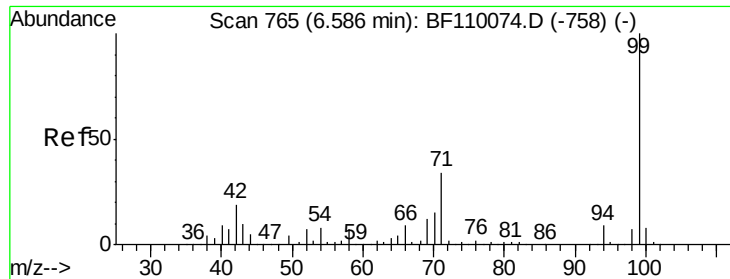
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 89.117 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110170.D

Acq: 25 Oct 2018 19:44

Instrument :

BNA_F

ClientSampleId :

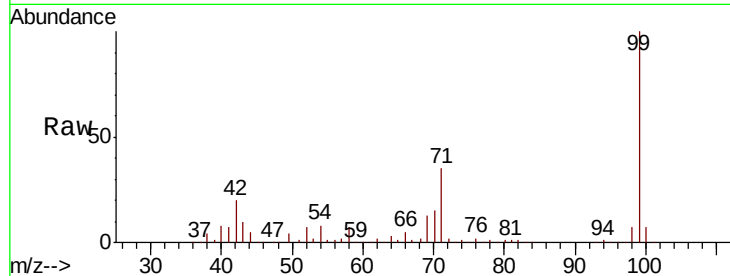
Tot Ion: 99 Resp: 998164

Ion Ratio Lower Upper

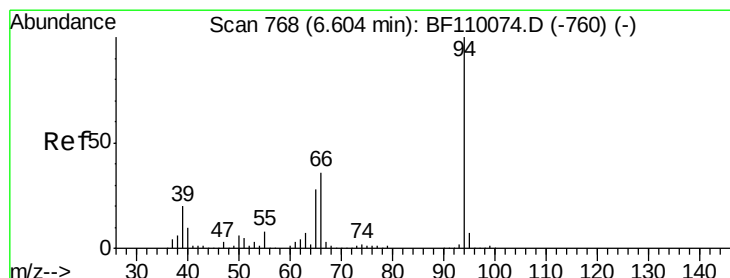
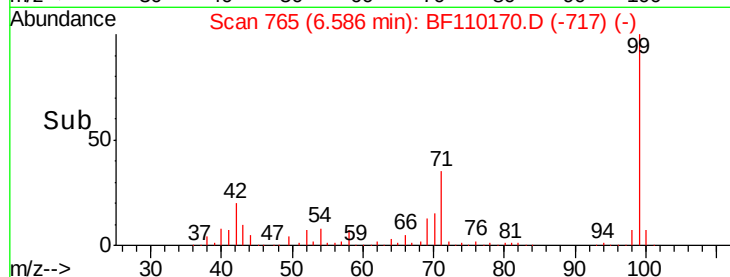
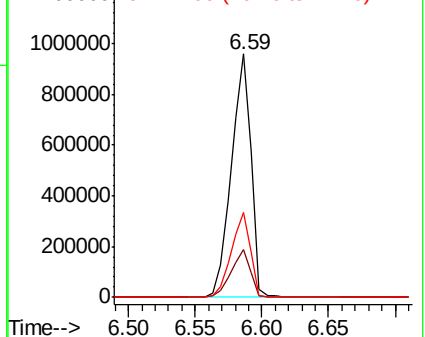
99 100

42 19.8 15.8 23.6

71 34.7 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: 8.574 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF110170.D

Acq: 25 Oct 2018 19:44

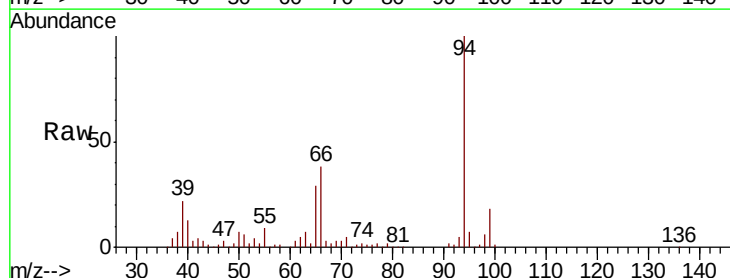
Tgt Ion: 94 Resp: 102652

Ion Ratio Lower Upper

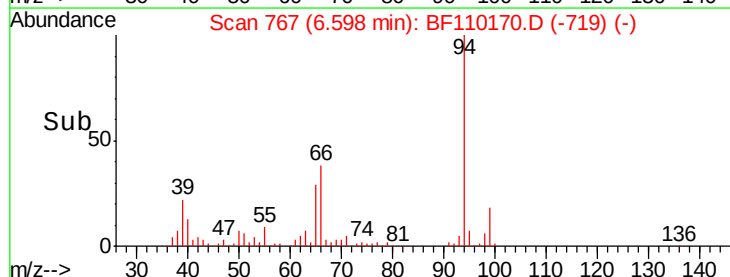
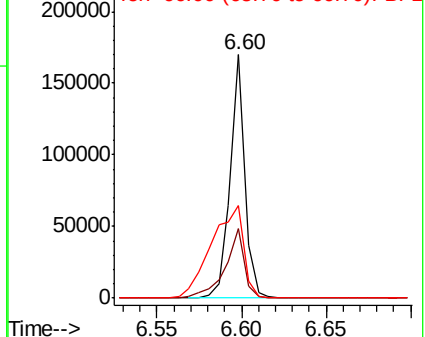
94 100

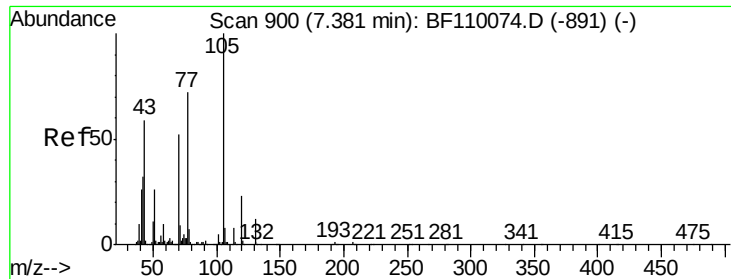
65 28.7 25.3 65.3

66 37.9 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

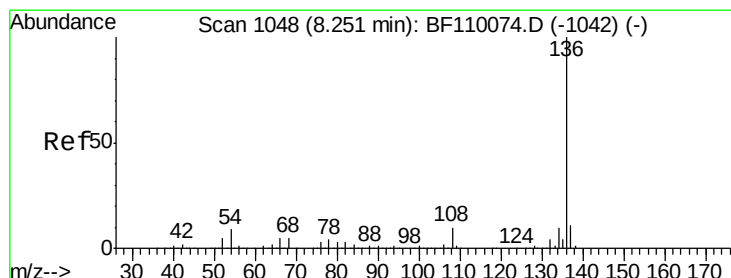
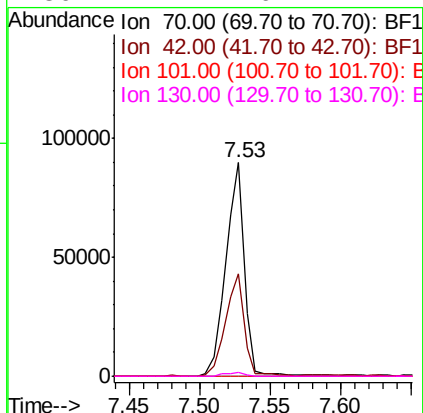
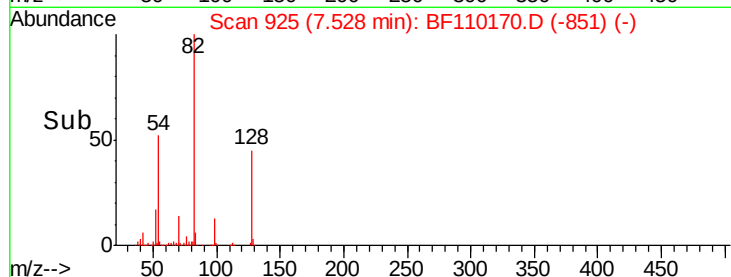
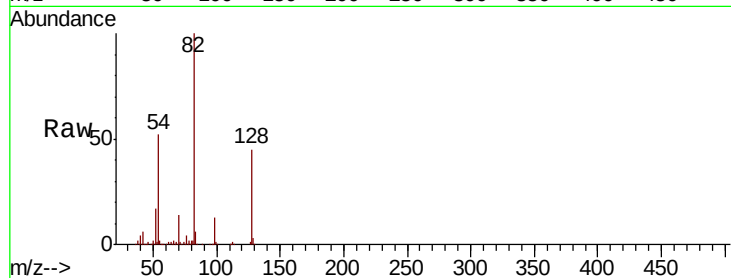




#19
n-Nitroso-di-n-propylamine
Concen: 11.458 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.13 min
Lab File: BF110170.D
Acq: 25 Oct 2018 19:44

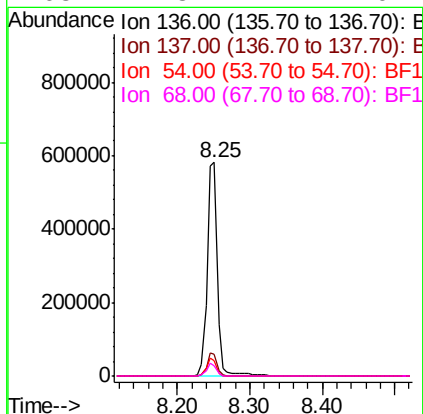
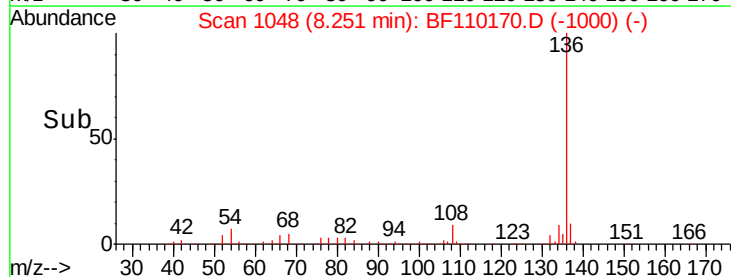
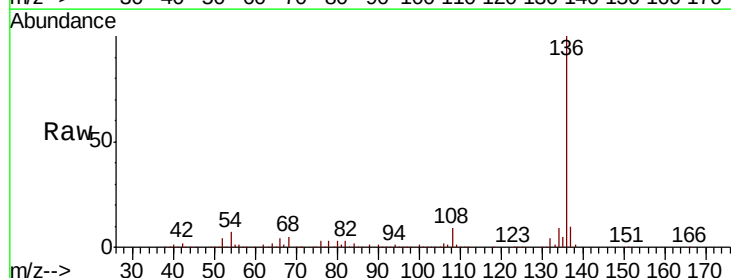
Instrument :
BNA_F
ClientSampleId :

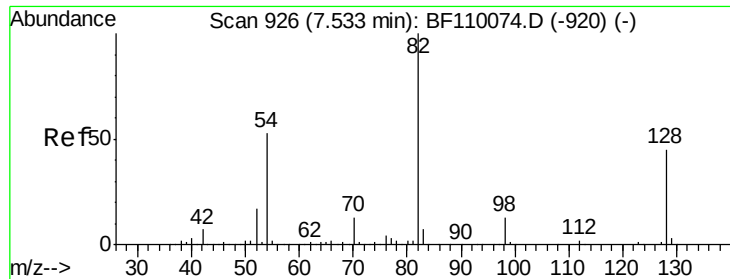
Tot Ion: 70 Resp: 82335
Ion Ratio Lower Upper
70 100
42 47.7 47.4 71.2
101 0.0 7.3 10.9#
130 2.1 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110170.D
Acq: 25 Oct 2018 19:44

Tgt Ion: 136 Resp: 566846
Ion Ratio Lower Upper
136 100
137 10.3 8.8 13.2
54 7.0 5.4 8.2
68 4.8 4.2 6.2

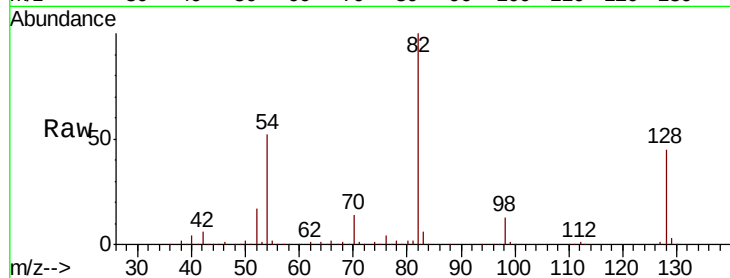




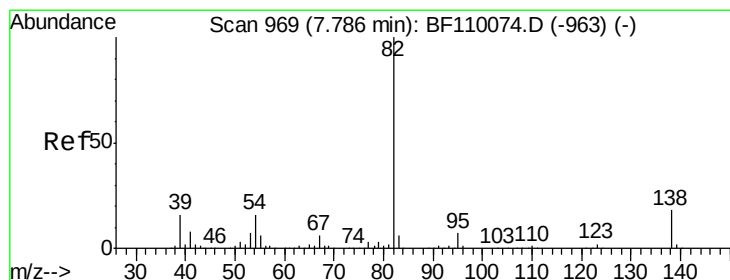
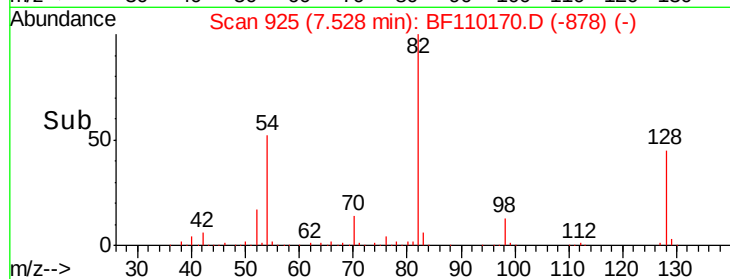
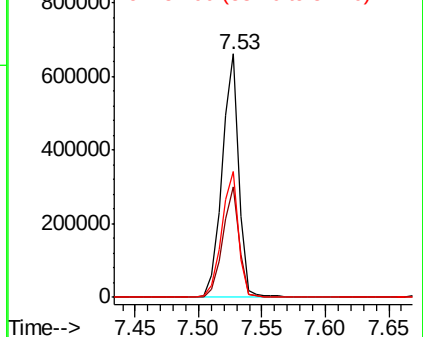
#23
Nitrobenzene-d5
Concen: 63.703 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110170.D
Acq: 25 Oct 2018 19:44

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	608798
Ion Ratio	100	Lower	Upper
128	45.5	34.2	51.2
54	51.6	38.6	58.0

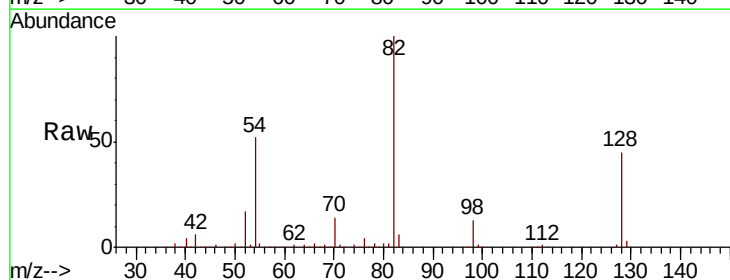


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

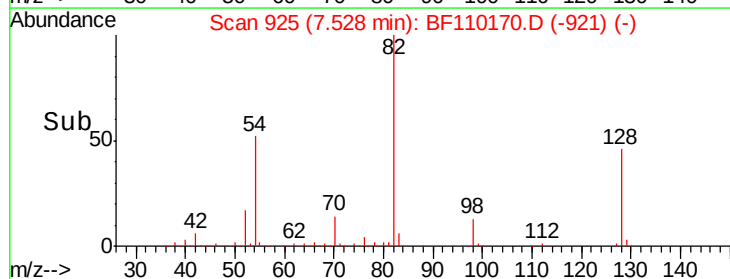
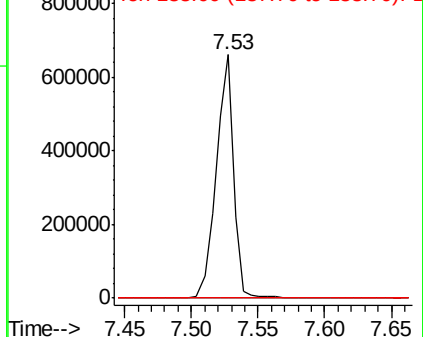


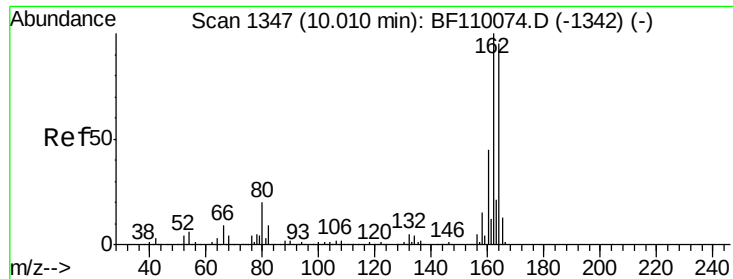
#25
Isophorone
Concen: 37.370 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.28 min
Lab File: BF110170.D
Acq: 25 Oct 2018 19:44

Tgt Ion	82	Resp	608789
Ion Ratio	100	Lower	Upper
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

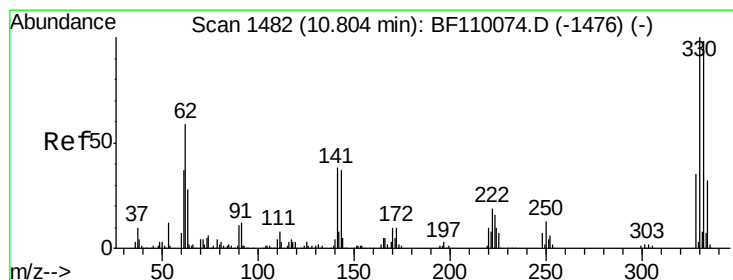
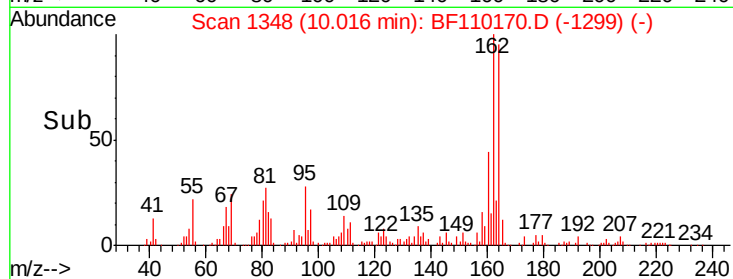
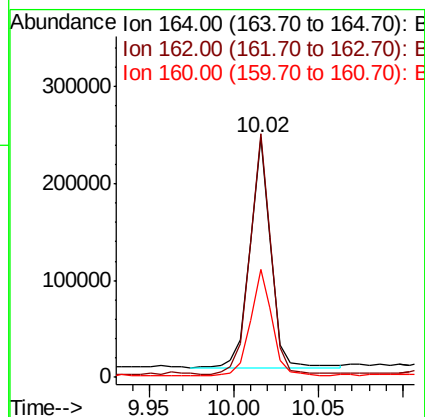
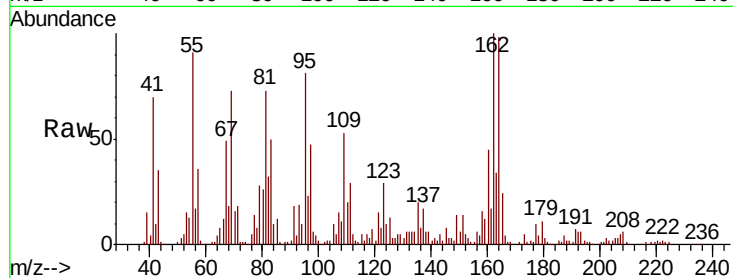




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF110170.D
 Acq: 25 Oct 2018 19:44

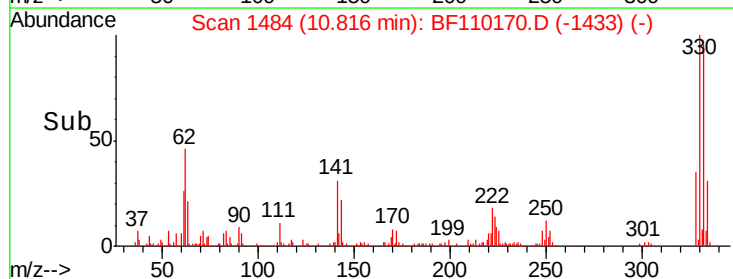
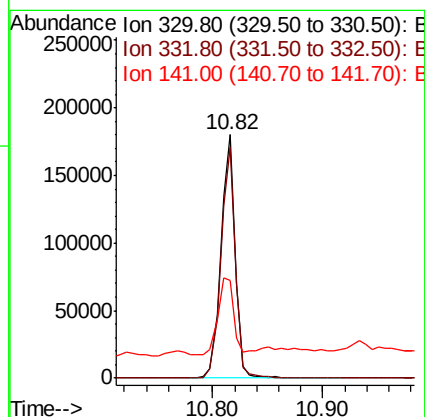
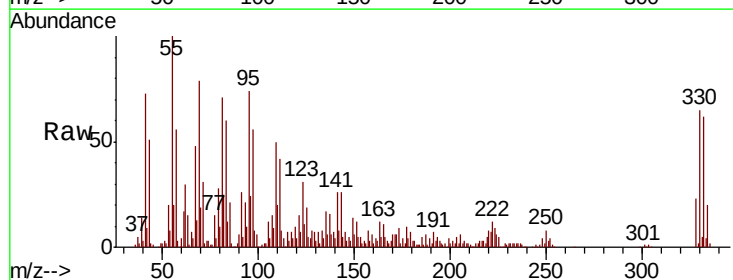
Instrument :
 BNA_F
 ClientSampleId :

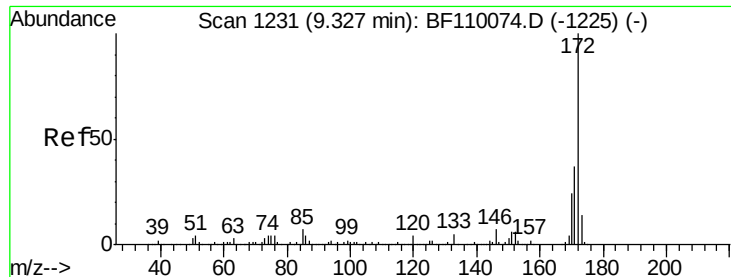
Tot Ion:164 Resp: 206777
 Ion Ratio Lower Upper
 164 100
 162 101.8 83.0 124.6
 160 45.4 37.0 55.6



#42
 2,4,6-Tribromophenol
 Concen: 78.891 ng
 RT: 10.82 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: BF110170.D
 Acq: 25 Oct 2018 19:44

Tgt Ion:330 Resp: 161590
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.1 115.7
 141 35.1 27.0 40.4

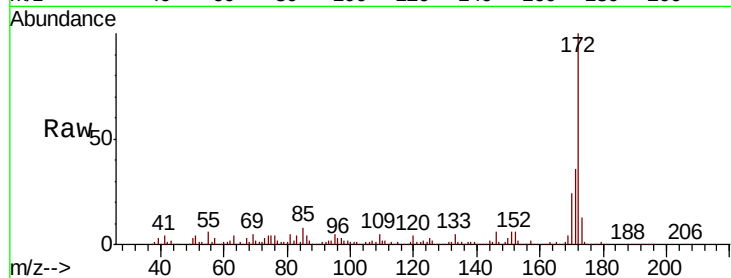




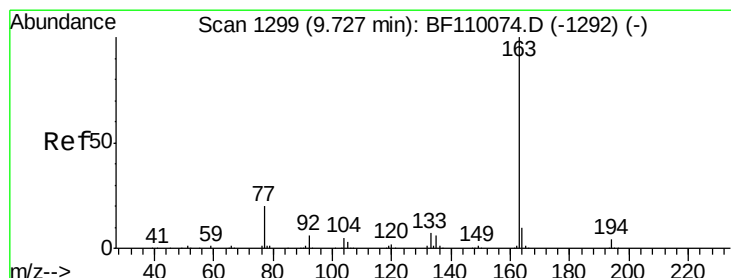
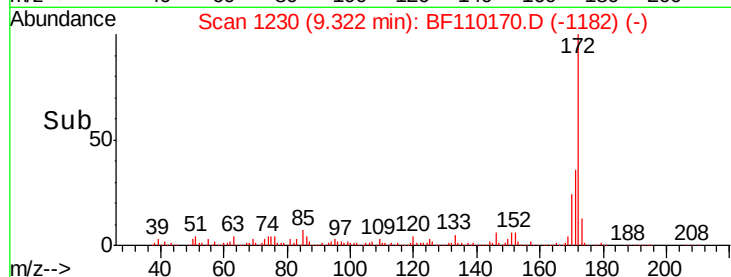
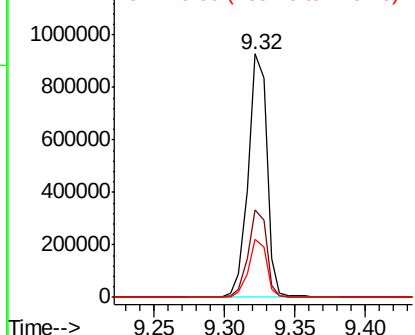
#45
2-Fluorobiphenyl
Concen: 66.152 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110170.D
Acq: 25 Oct 2018 19:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 871109
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.6 19.7 29.5

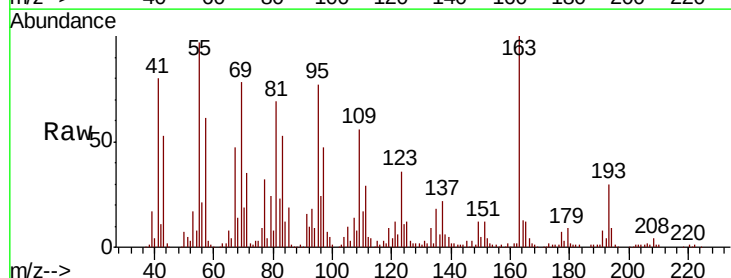


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

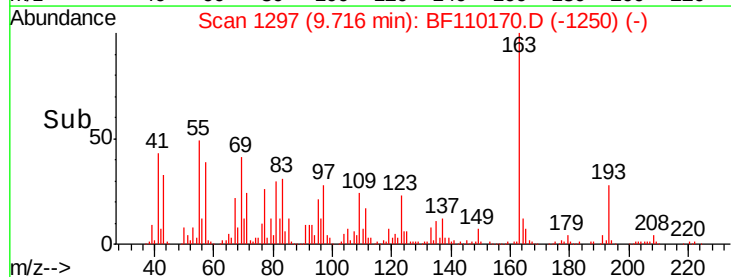
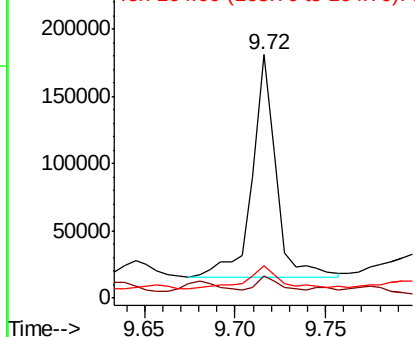


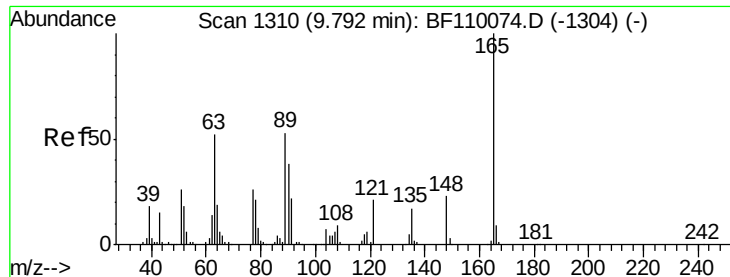
#50
Dimethylphthalate
Concen: 9.760 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110170.D
Acq: 25 Oct 2018 19:44

Tgt Ion:163 Resp: 148974
Ion Ratio Lower Upper
163 100
194 9.1 3.2 4.8#
164 13.4 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





#51

2,6-Dinitrotoluene

Concen: 5.191 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.01 min

Lab File: BF110170.D

Acq: 25 Oct 2018 19:44

Instrument :

BNA_F

ClientSampled :

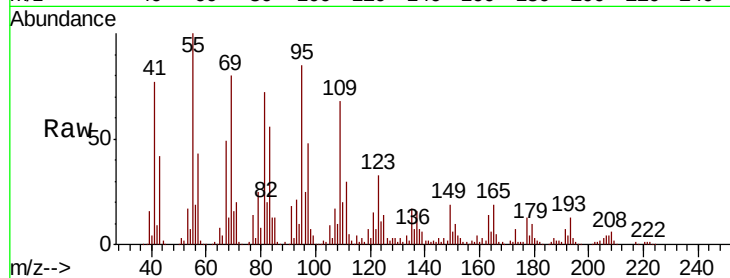
Tot Ion:165 Resp: 17068

Ion Ratio Lower Upper

165 100

63 5.0 48.9 73.3#

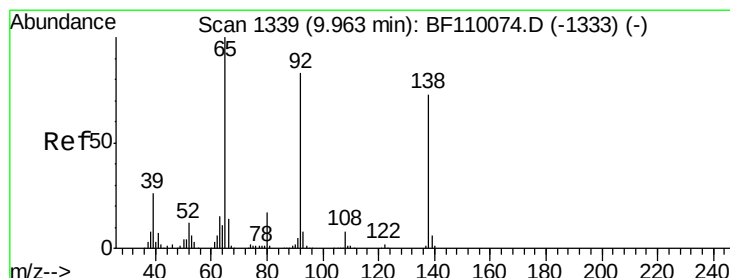
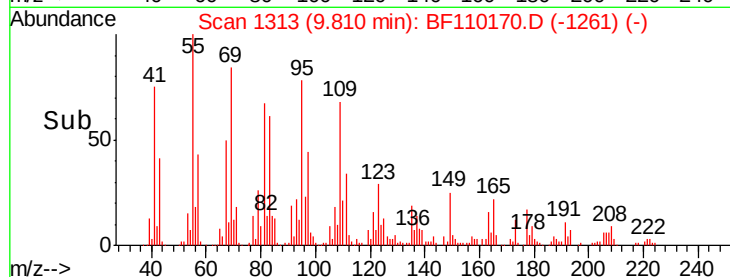
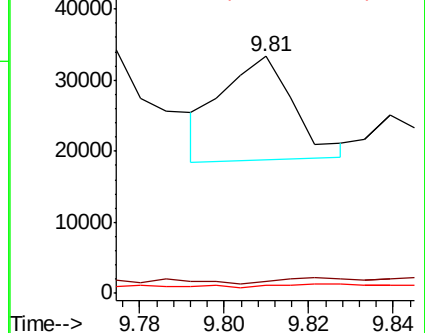
89 3.6 46.6 69.8#



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



#53

3-Nitroaniline

Concen: 3.091 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF110170.D

Acq: 25 Oct 2018 19:44

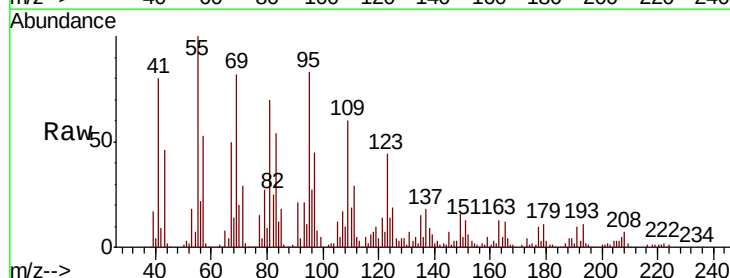
Tgt Ion:138 Resp: 12085

Ion Ratio Lower Upper

138 100

108 112.6 8.7 13.1#

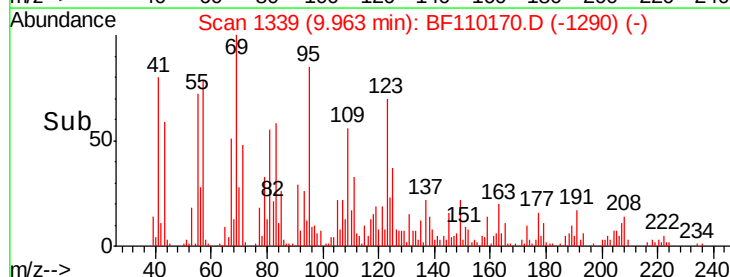
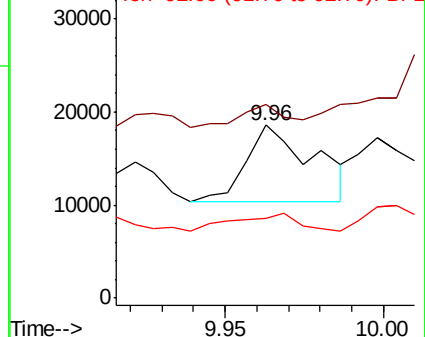
92 46.4 97.0 145.4#

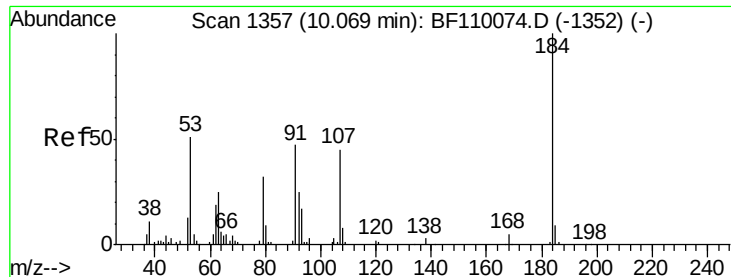


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

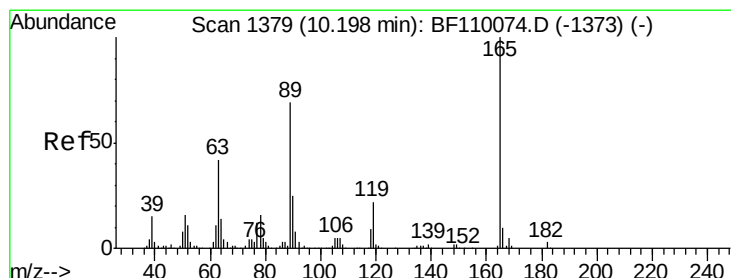
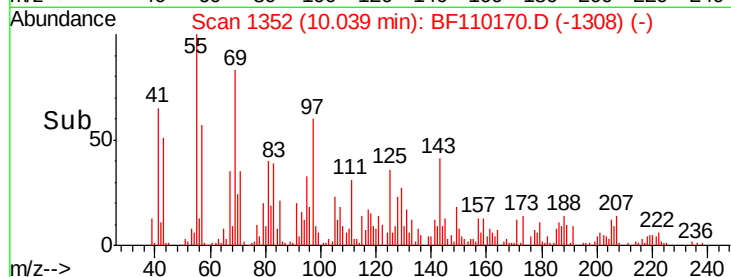
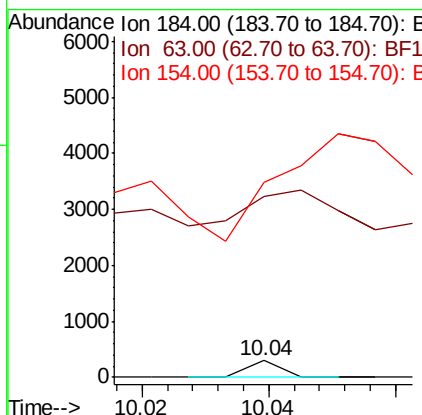
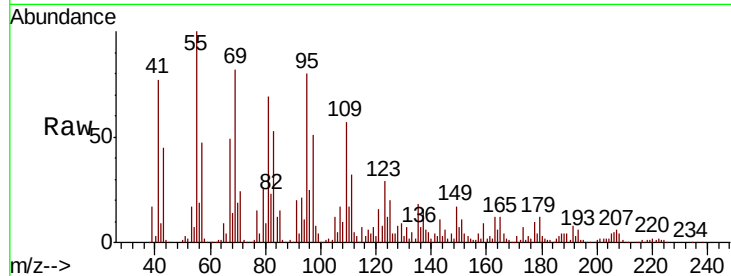




#54
 2,4-Dinitrophenol
 Concen: 5.251 ng
 RT: 10.04 min Scan# 1352
 Delta R.T. -0.04 min
 Lab File: BF110170.D
 Acq: 25 Oct 2018 19:44

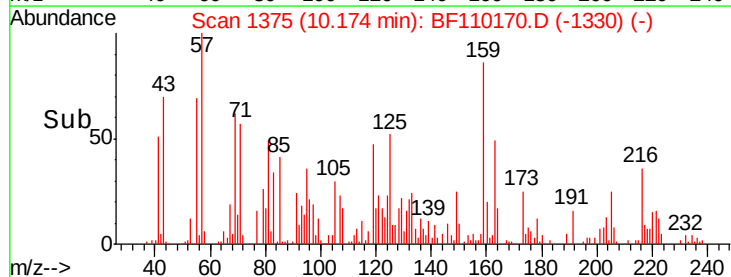
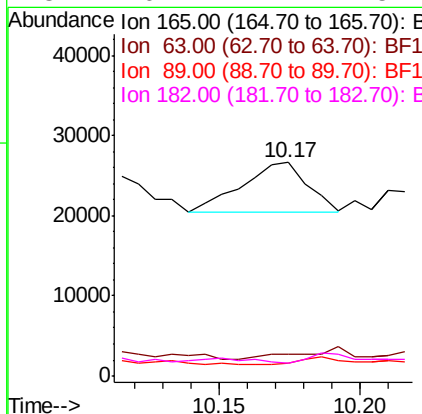
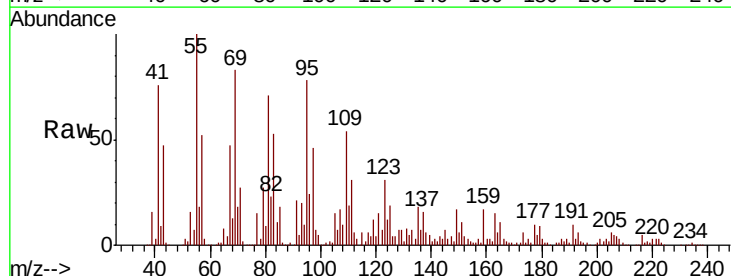
Instrument :
 BNA_F
 ClientSampleId :

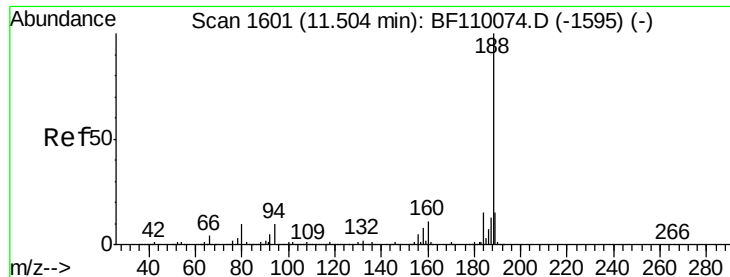
Tot Ion:184 Resp: 106
 Ion Ratio Lower Upper
 184 100
 63 1077.0 55.8 83.6#
 154 1160.7 63.2 94.8#



#57
 2,4-Dinitrotoluene
 Concen: 2.363 ng
 RT: 10.17 min Scan# 1375
 Delta R.T. -0.04 min
 Lab File: BF110170.D
 Acq: 25 Oct 2018 19:44

Tgt Ion:165 Resp: 9870
 Ion Ratio Lower Upper
 165 100
 63 10.0 44.8 67.2#
 89 5.7 62.2 93.4#
 182 6.1 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.52 min Scan# 1604

Delta R.T. 0.01 min

Lab File: BF110170.D

Acq: 25 Oct 2018 19:44

Instrument :

BNA_F

ClientSampleId :

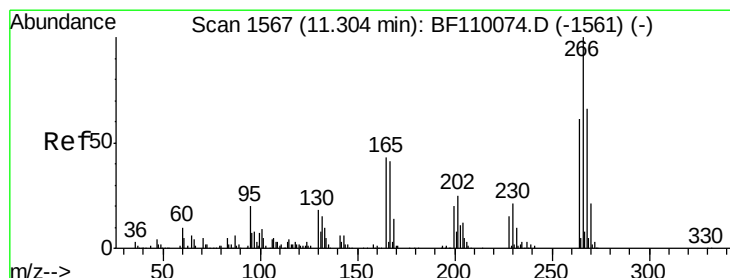
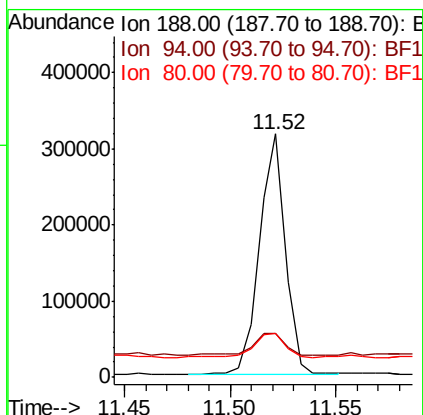
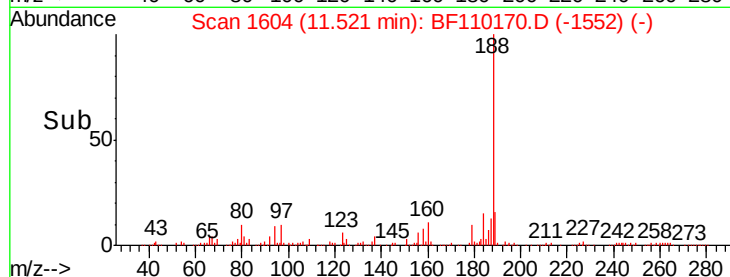
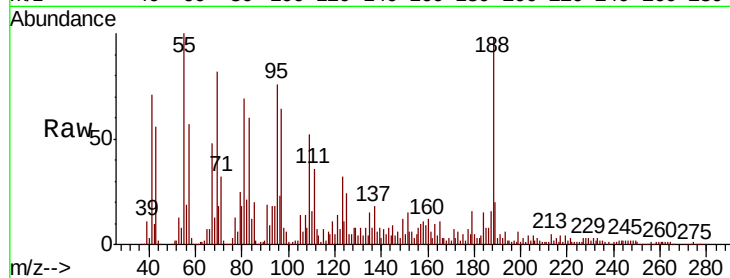
Tot Ion:188 Resp: 267810

Ion Ratio Lower Upper

188 100

94 18.1 7.2 10.8#

80 18.1 7.9 11.9#



#70

Pentachlorophenol

Concen: 3.090 ng

RT: 11.34 min Scan# 1574

Delta R.T. 0.03 min

Lab File: BF110170.D

Acq: 25 Oct 2018 19:44

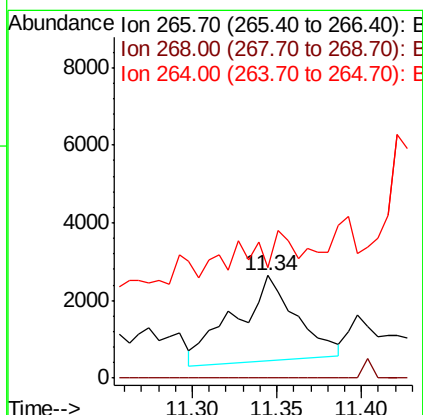
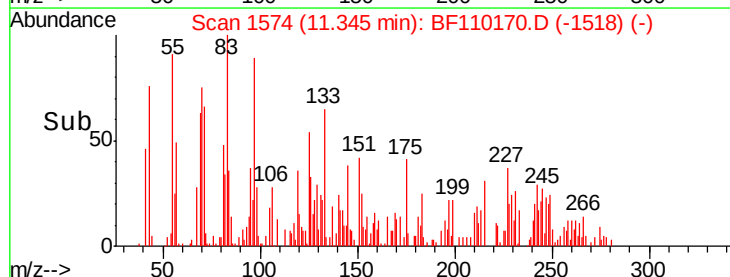
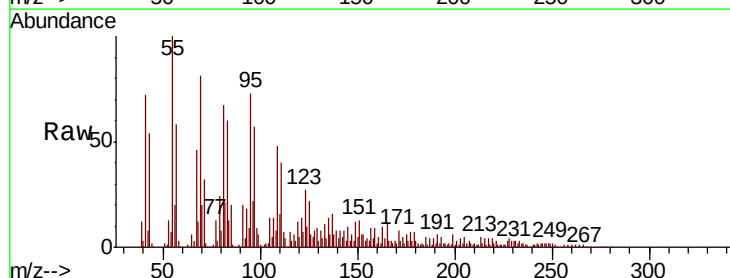
Tgt Ion:266 Resp: 5554

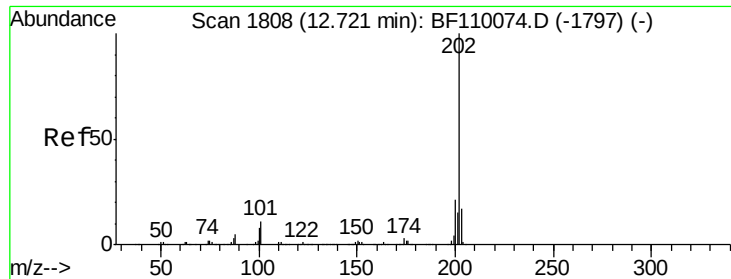
Ion Ratio Lower Upper

266 100

268 0.0 50.6 75.8#

264 108.1 50.6 75.8#





#75

Fluoranthene

Concen: 2.563 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.01 min

Lab File: BF110170.D

Acq: 25 Oct 2018 19:44

Instrument :

BNA_F

ClientSampleId :

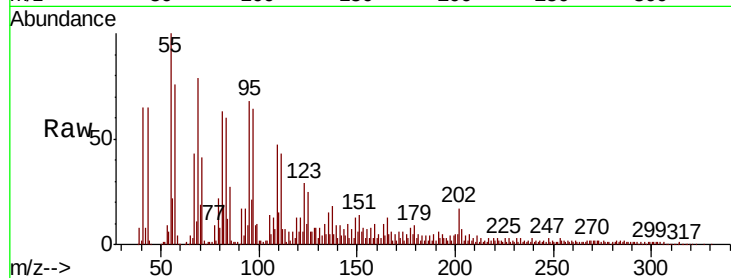
Tot Ion:202 Resp: 36454

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.4

203 37.3 0.0 37.7

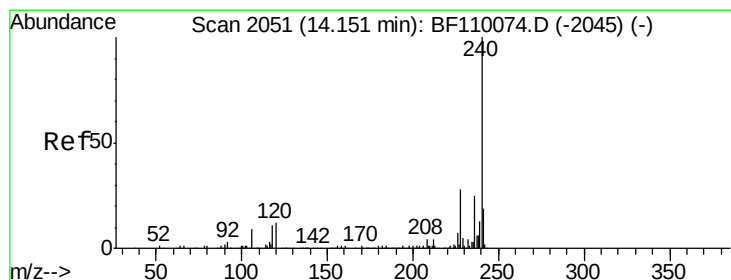
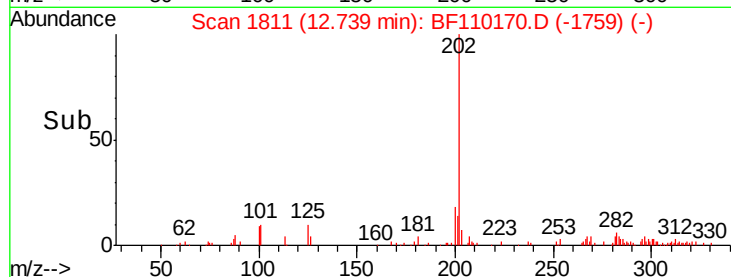
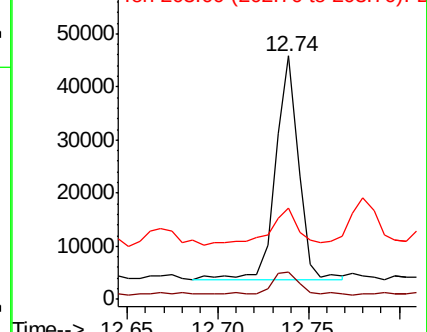


Abundance

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: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110170.D

Acq: 25 Oct 2018 19:44

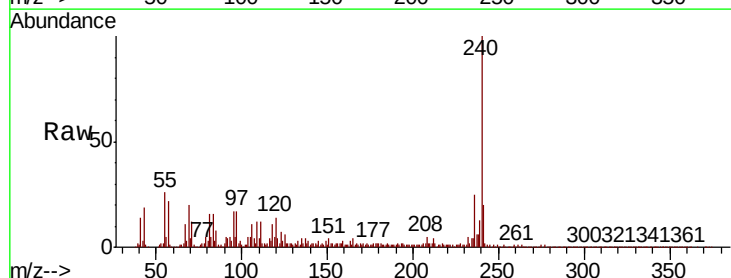
Tgt Ion:240 Resp: 250478

Ion Ratio Lower Upper

240 100

120 13.8 8.3 12.5#

236 24.8 21.2 31.8

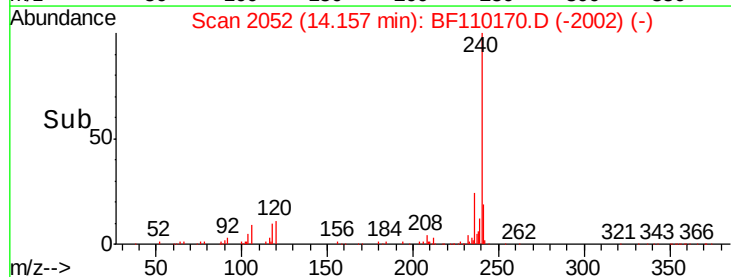
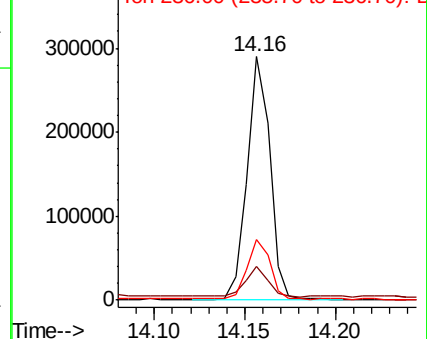


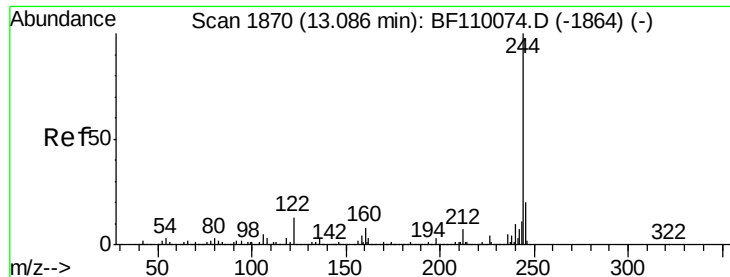
Abundance

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

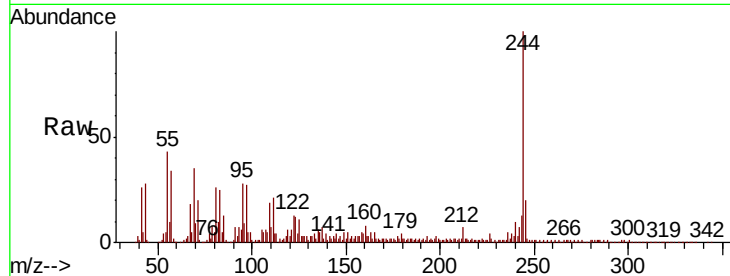




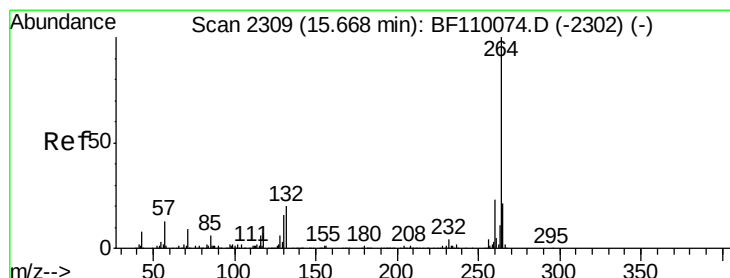
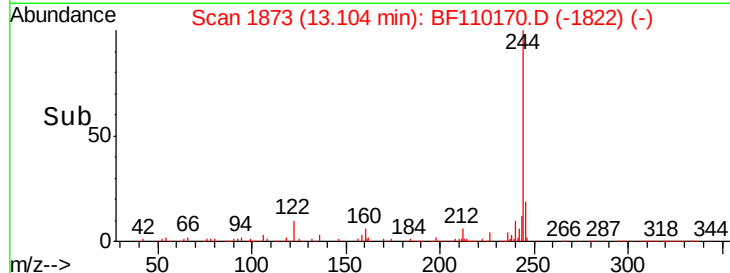
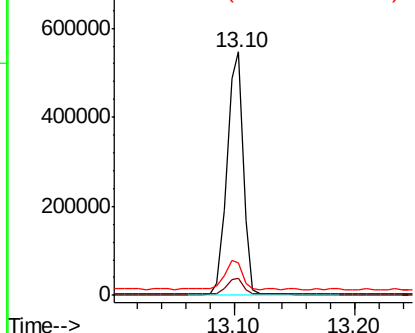
#79
 Terphenyl-d14
 Concen: 41.814 ng
 RT: 13.10 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: BF110170.D
 Acq: 25 Oct 2018 19:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	13.3	8.7	13.1

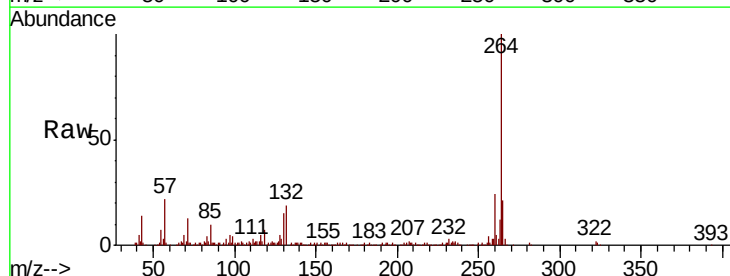


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

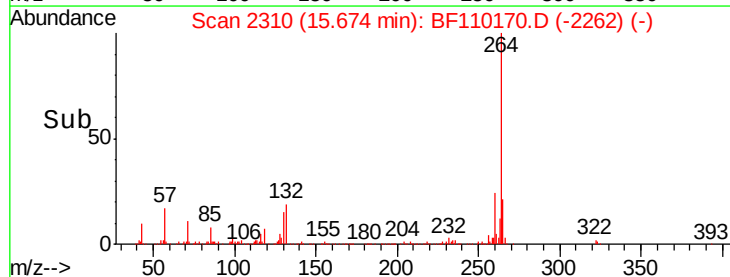
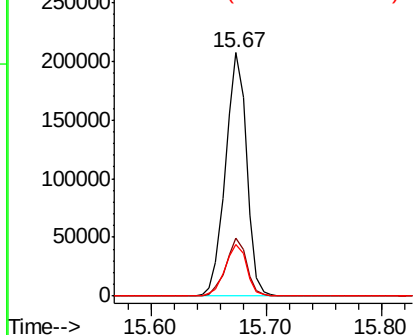


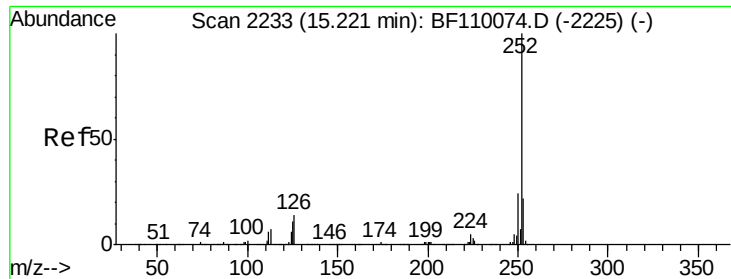
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2310
 Delta R.T. -0.02 min
 Lab File: BF110170.D
 Acq: 25 Oct 2018 19:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.1	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

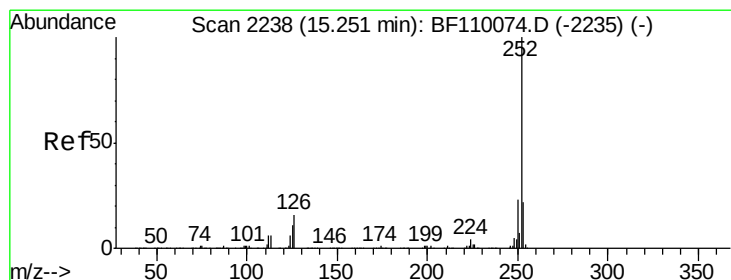
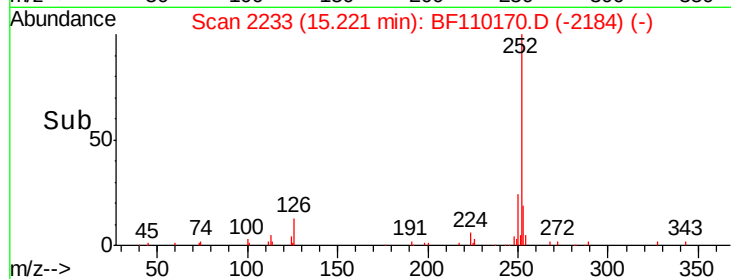
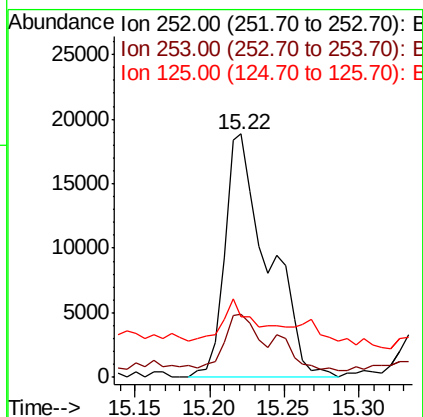
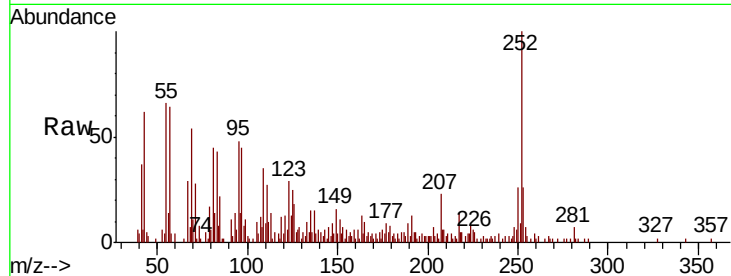




#88
Benzo(b)fluoranthene
Concen: 2.516 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF110170.D
Acq: 25 Oct 2018 19:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.2	25.8#
125	24.7	8.2	12.4#



#89
Benzo(k)fluoranthene
Concen: 2.559 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.05 min
Lab File: BF110170.D
Acq: 25 Oct 2018 19:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.2	25.8#
125	24.7	7.4	11.0#

