

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
 Data File : BF110845.D
 Acq On : 19 Nov 2018 11:44
 Operator : JU/SJ
 Sample : J5951-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 19 12:47:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

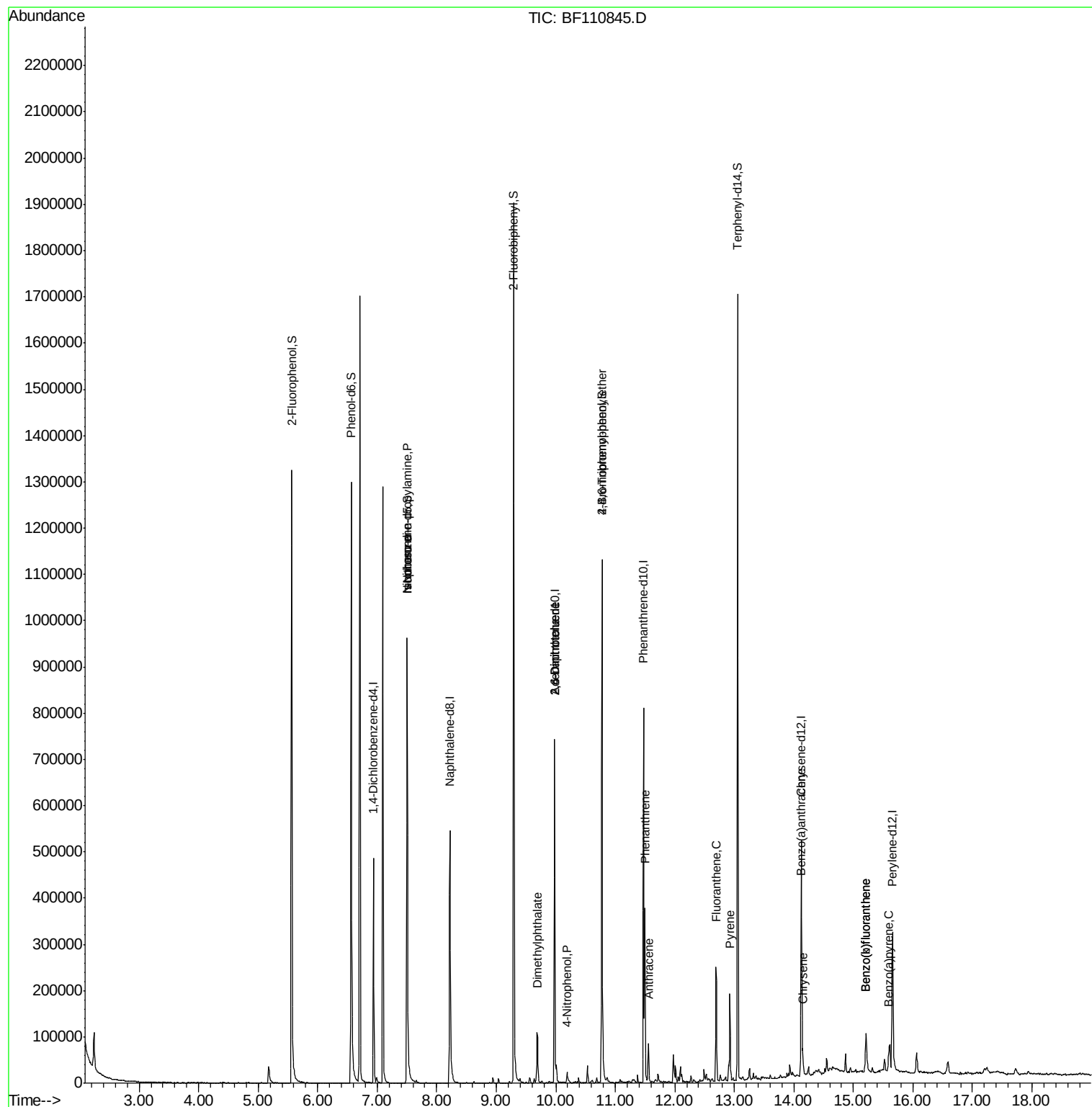
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	69983	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	303448	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	146178	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	274685	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	166009	20.00	ng	-0.01
87) Perylene-d12	15.66	264	157396	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	404412	93.86	ng	0.00
7) Phenol-d6	6.57	99	512403	93.00	ng	0.00
23) Nitrobenzene-d5	7.50	82	325722	61.82	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	133639	90.73	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	606252	59.23	ng	-0.01
79) Terphenyl-d14	13.06	244	538258	60.72	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.57	77	775	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.50	70	43540	12.380 ng	#	1
25) Isophorone	7.50	82	325719	37.716 ng	#	80
50) Dimethylphthalate	9.69	163	54763	5.021 ng	#	67
51) 2,6-Dinitrotoluene	9.98	165	18778	7.826 ng	#	99
56) 4-Nitrophenol	10.19	139	4620	2.505 ng	#	23
57) 2,4-Dinitrotoluene	9.98	165	18778	6.019 ng	#	6
67) 4-Bromophenyl-phenylether	10.77	248	8601	2.833 ng	#	19
71) Phenanthrene	11.50	178	136969	9.307 ng	#	1
72) Anthracene	11.56	178	44134	2.973 ng		99
75) Fluoranthene	12.69	202	106193	7.198 ng		98
78) Pyrene	12.93	202	83937	6.567 ng		98
81) Benzo(a)anthracene	14.12	228	28090	2.831 ng		97
83) Chrysene	14.16	228	24683	2.611 ng		97
88) Benzo(b)fluoranthene	15.20	252	36633	3.891 ng	#	98
89) Benzo(k)fluoranthene	15.20	252	36633	3.937 ng	#	97
90) Benzo(a)pyrene	15.59	252	20406	2.385 ng		96

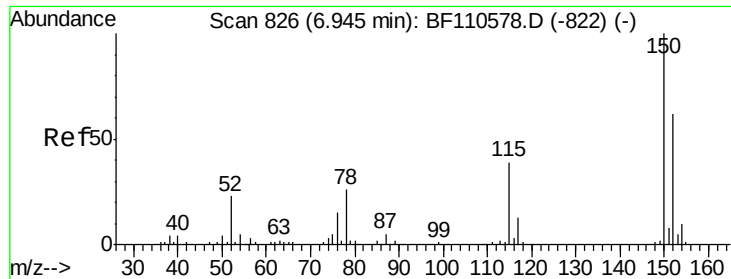
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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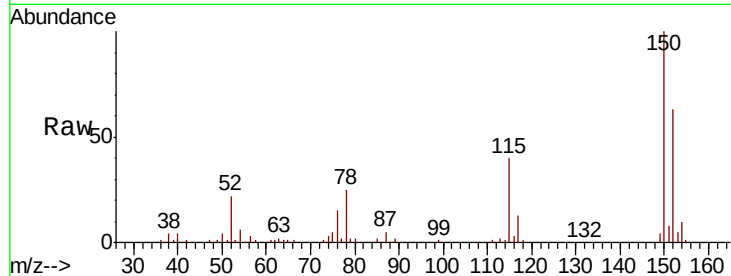


#1

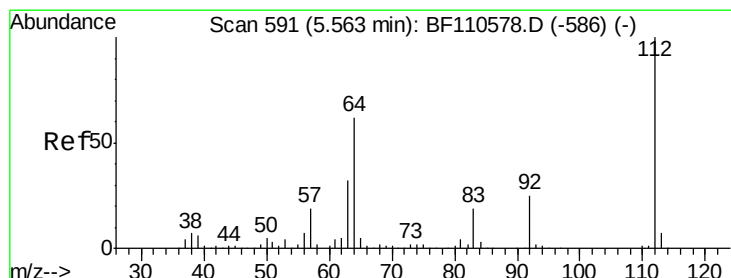
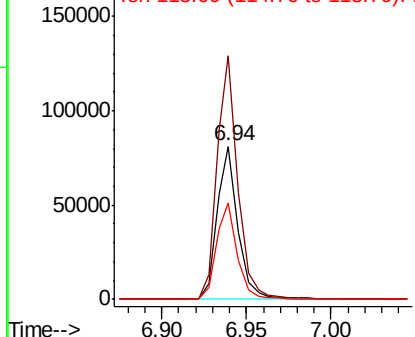
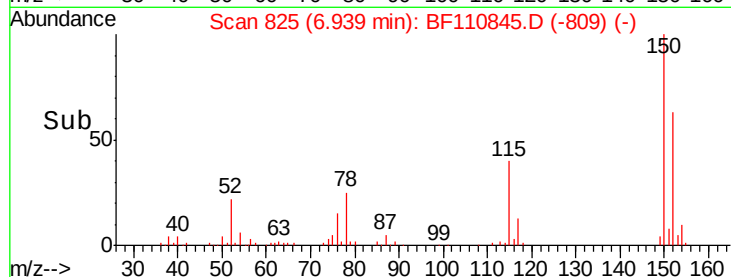
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110845.D
Acq: 19 Nov 2018 11:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 69983
Ion Ratio Lower Upper
152 100
150 158.9 122.7 184.1
115 62.8 49.1 73.7



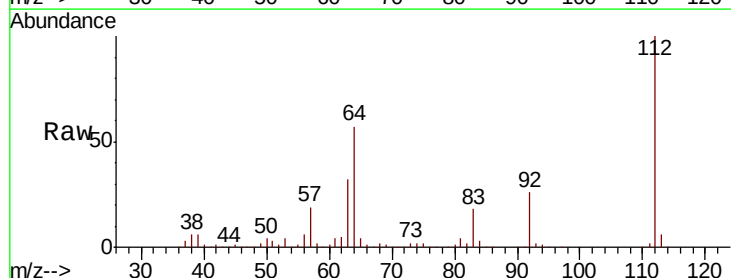
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



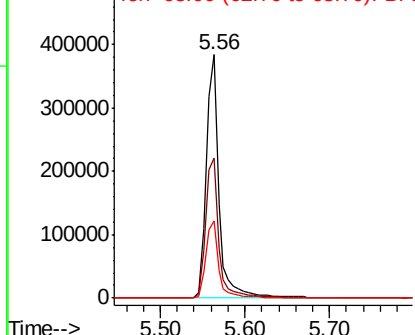
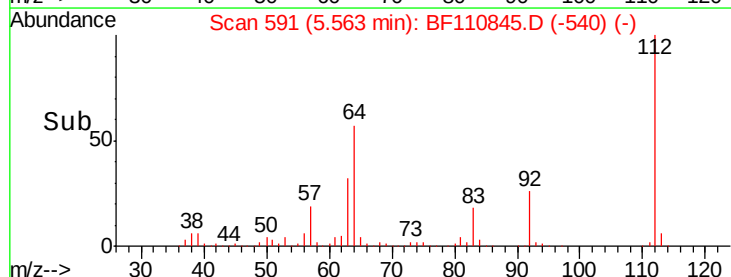
#5

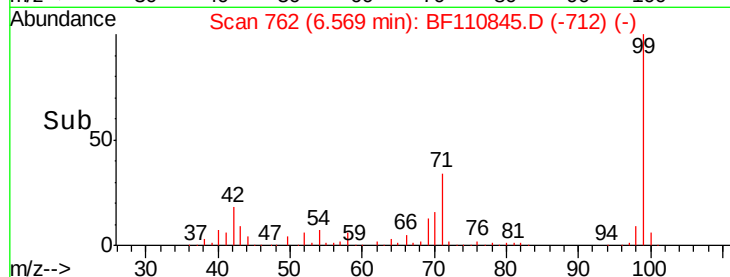
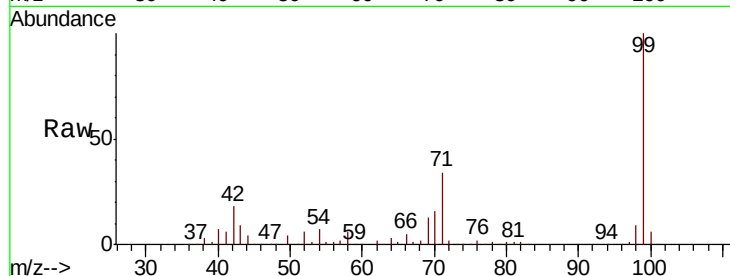
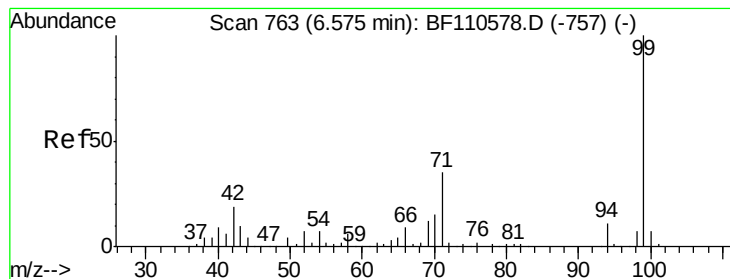
2-Fluorophenol
Concen: 93.865 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110845.D
Acq: 19 Nov 2018 11:44

Tgt Ion:112 Resp: 404412
Ion Ratio Lower Upper
112 100
64 57.3 44.1 66.1
63 31.5 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: 93.004 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110845.D

Acq: 19 Nov 2018 11:44

Instrument :

BNA_F

ClientSampleId :

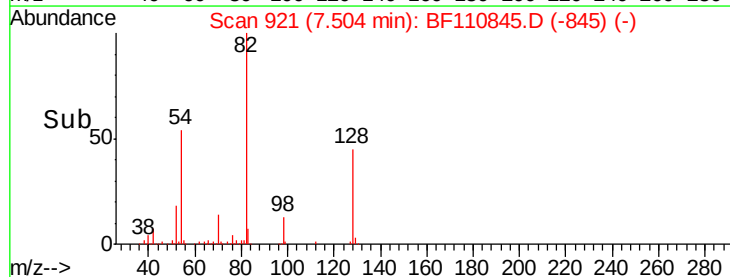
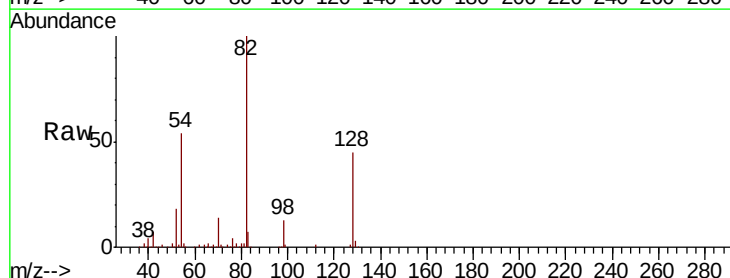
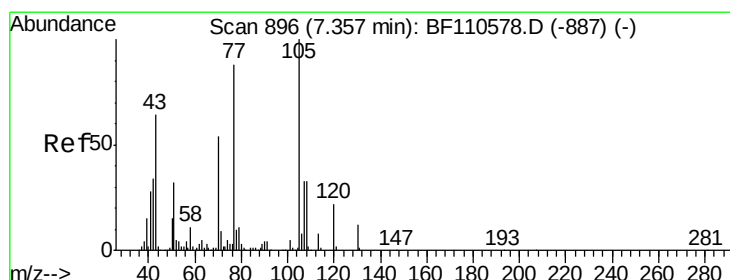
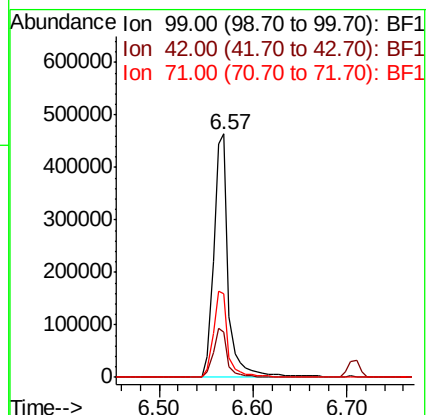
Tot Ion: 99 Resp: 512403

Ion Ratio Lower Upper

99 100

42 18.5 15.8 23.6

71 34.1 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.380 ng

RT: 7.50 min Scan# 921

Delta R.T. 0.15 min

Lab File: BF110845.D

Acq: 19 Nov 2018 11:44

Tgt Ion: 70 Resp: 43540

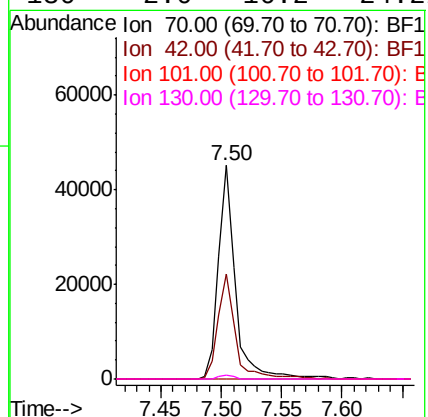
Ion Ratio Lower Upper

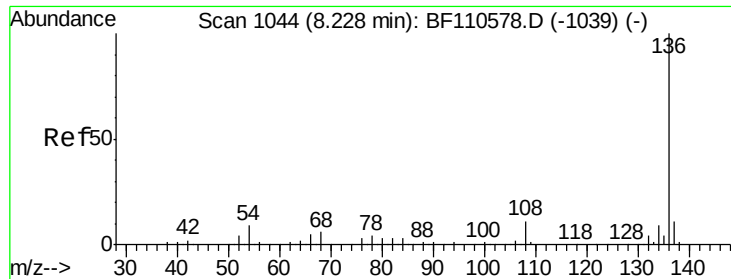
70 100

42 49.4 47.4 71.2

101 0.0 7.3 10.9#

130 2.0 16.2 24.2#

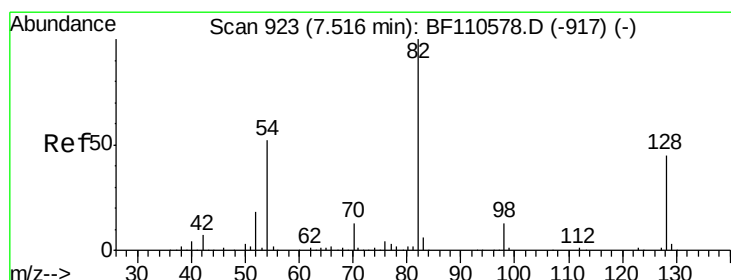
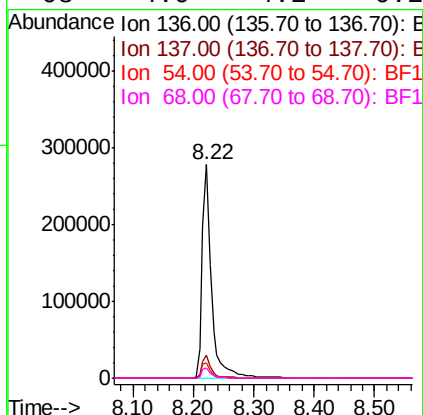
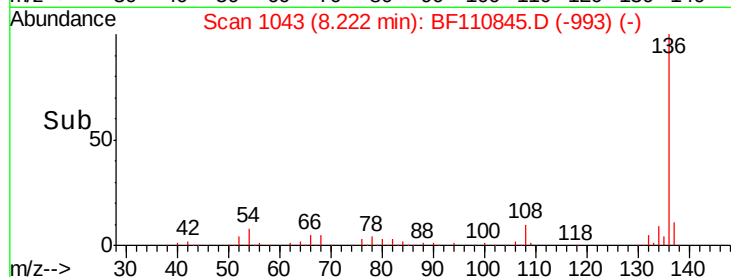
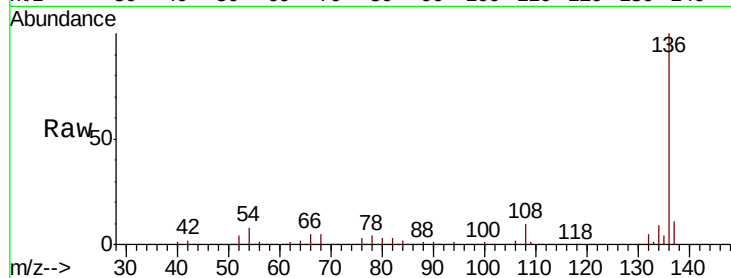




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110845.D
Acq: 19 Nov 2018 11:44

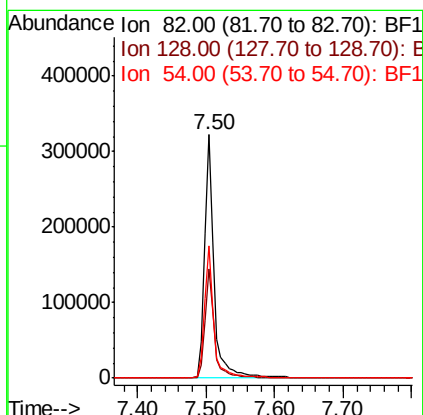
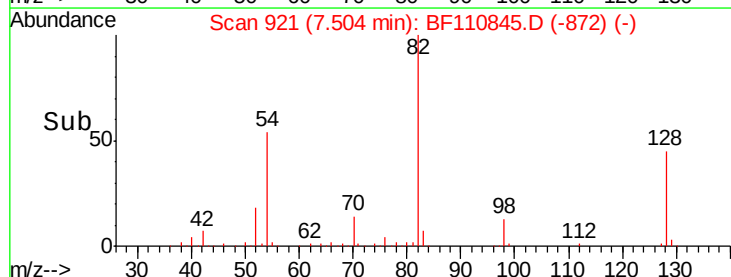
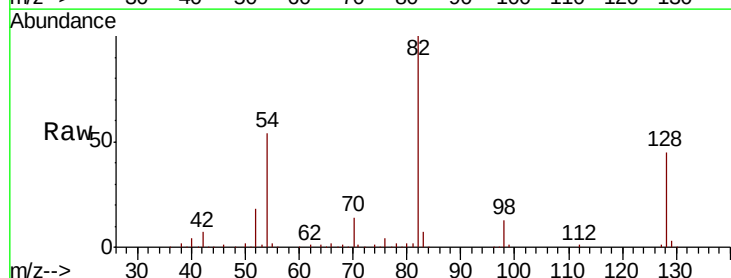
Instrument :
BNA_F
ClientSampleId :

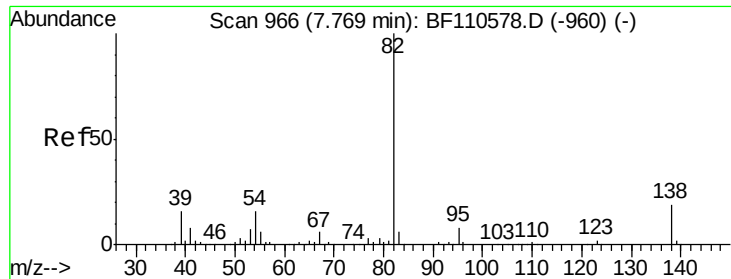
Tot Ion:	136	Resp:	303448
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.5	5.4	8.2
68	4.9	4.2	6.2



#23
Nitrobenzene-d5
Concen: 61.817 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110845.D
Acq: 19 Nov 2018 11:44

Tgt Ion:	82	Resp:	325722
Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.2	51.2
54	54.1	38.6	58.0





#25

Isophorone

Concen: 37.716 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.26 min

Lab File: BF110845.D

Acq: 19 Nov 2018 11:44

Instrument :

BNA_F

ClientSampled :

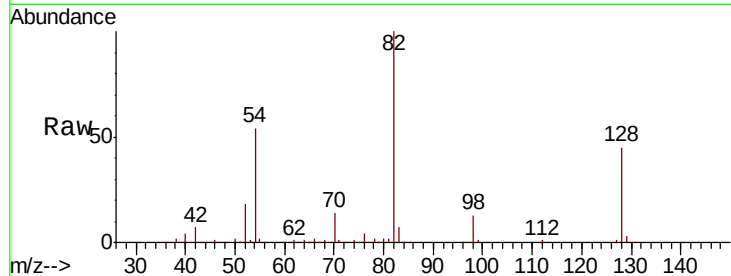
Tot Ion: 82 Resp: 325719

Ion Ratio Lower Upper

82 100

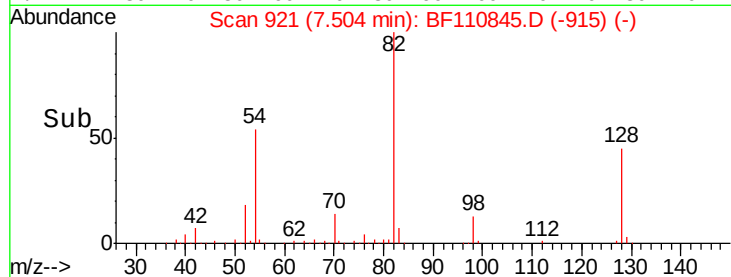
95 0.0 5.7 8.5#

138 0.0 13.2 19.8#

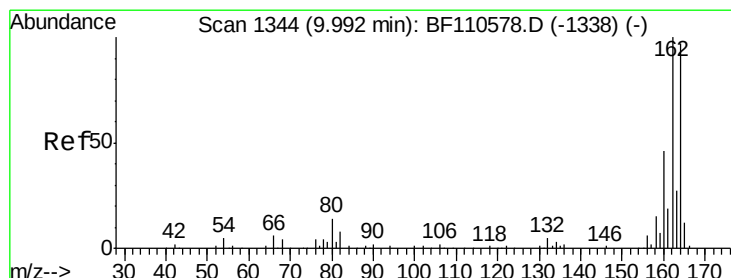


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

7.50



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF110845.D

Acq: 19 Nov 2018 11:44

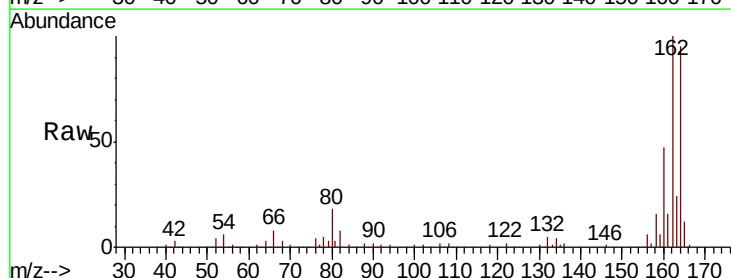
Tgt Ion:164 Resp: 146178

Ion Ratio Lower Upper

164 100

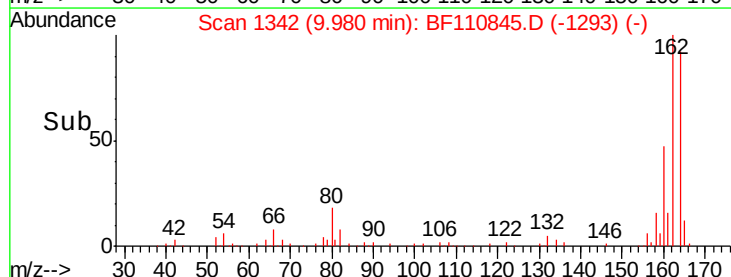
162 105.0 83.0 124.6

160 48.9 37.0 55.6

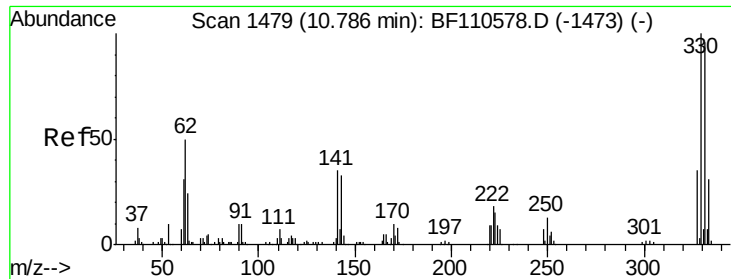


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

9.98



Time-->



#42

2,4,6-Tribromophenol

Concen: 90.730 ng

RT: 10.77 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF110845.D

Acq: 19 Nov 2018 11:44

Instrument :

BNA_F

ClientSampleId :

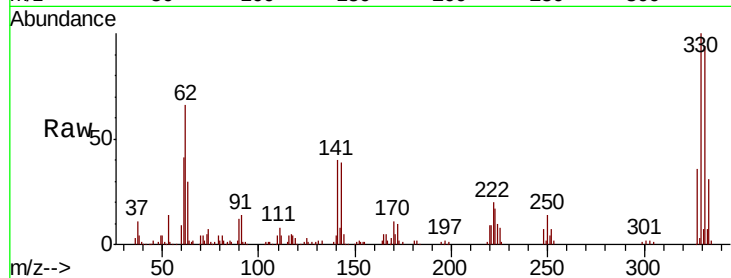
Tot Ion:330 Resp: 133639

Ion Ratio Lower Upper

330 100

332 95.2 77.1 115.7

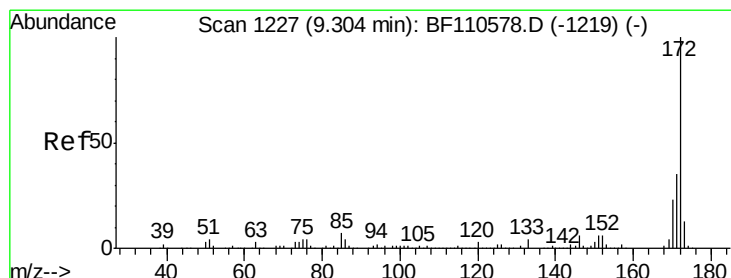
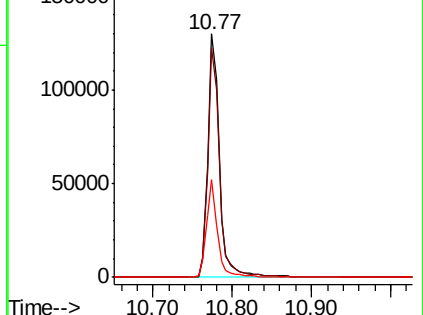
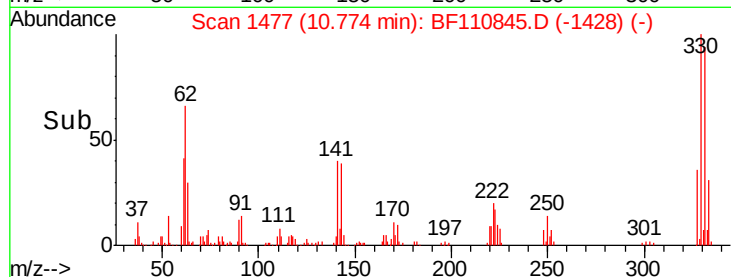
141 38.0 27.0 40.4



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: 59.232 ng

RT: 9.29 min Scan# 1225

Delta R.T. -0.01 min

Lab File: BF110845.D

Acq: 19 Nov 2018 11:44

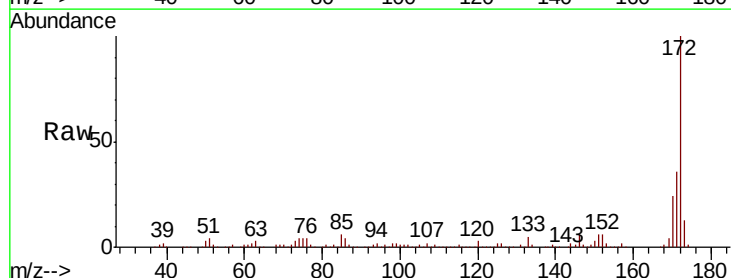
Tgt Ion:172 Resp: 606252

Ion Ratio Lower Upper

172 100

171 36.2 28.6 43.0

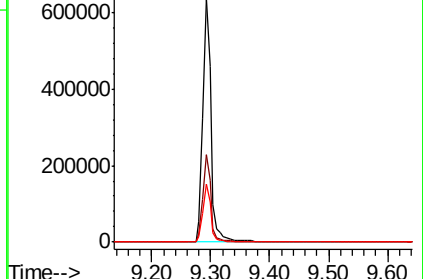
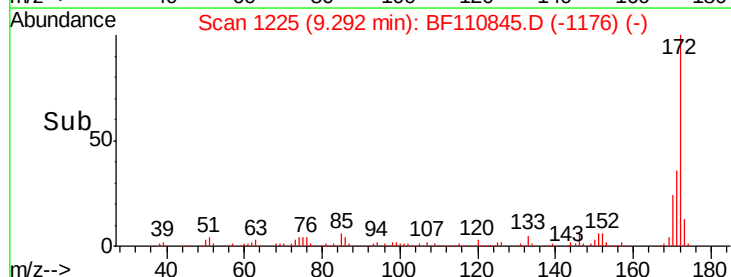
170 24.0 19.7 29.5

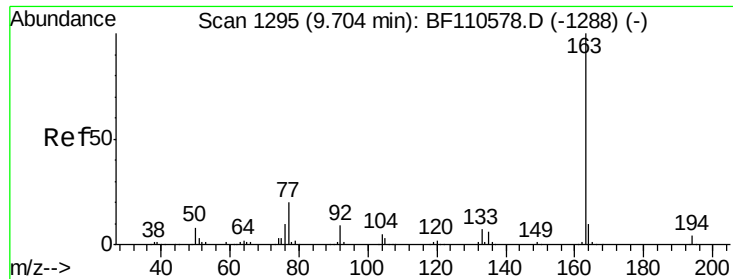


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

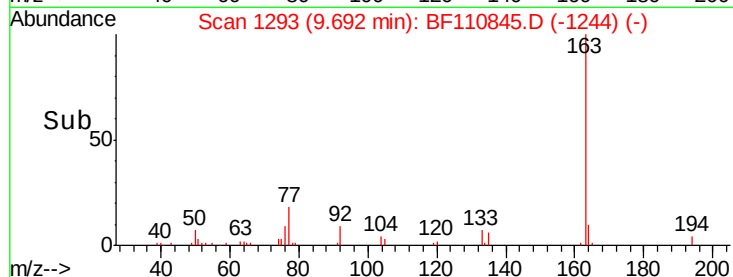
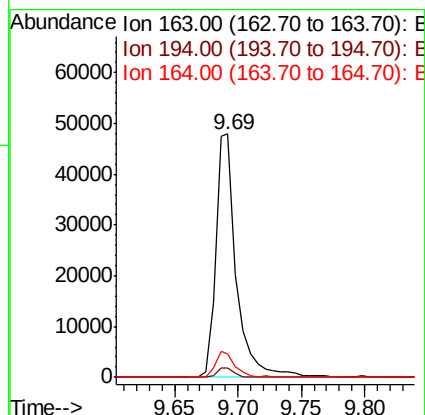
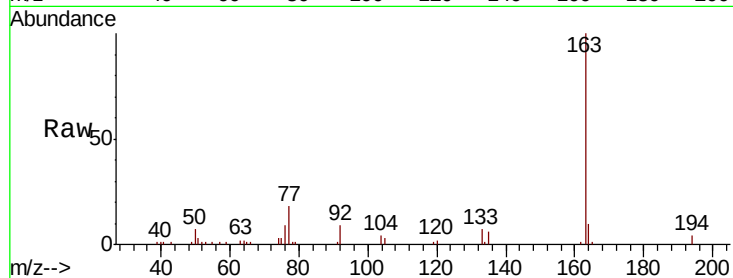




#50
Dimethylphthalate
Concen: 5.021 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110845.D
Acq: 19 Nov 2018 11:44

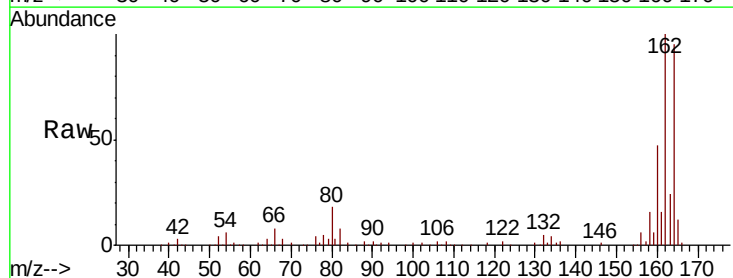
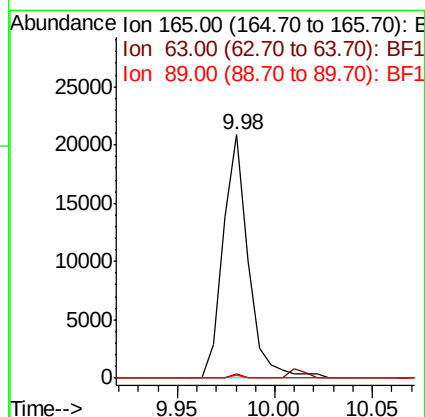
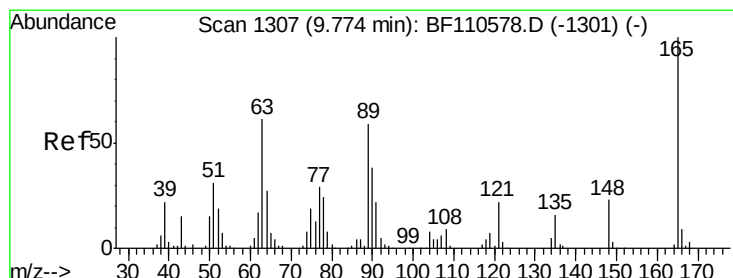
Instrument :
BNA_F
ClientSampleId :

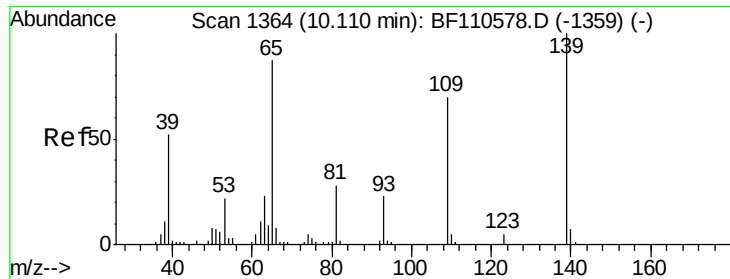
Tot Ion:163 Resp: 54763
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 9.8 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 7.826 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.21 min
Lab File: BF110845.D
Acq: 19 Nov 2018 11:44

Tgt Ion:165 Resp: 18778
Ion Ratio Lower Upper
165 100
63 1.5 48.9 73.3#
89 1.4 46.6 69.8#

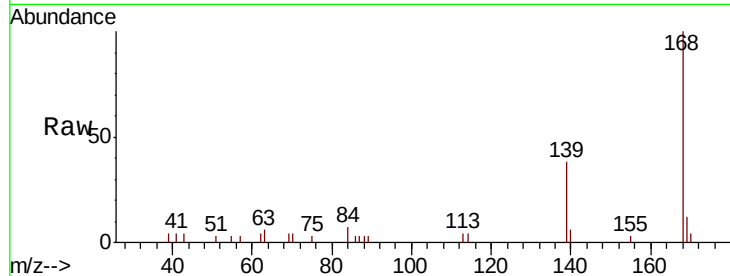




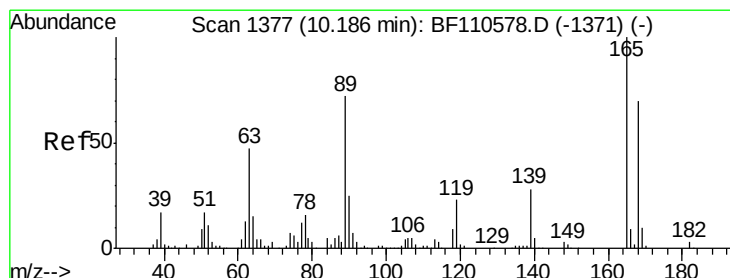
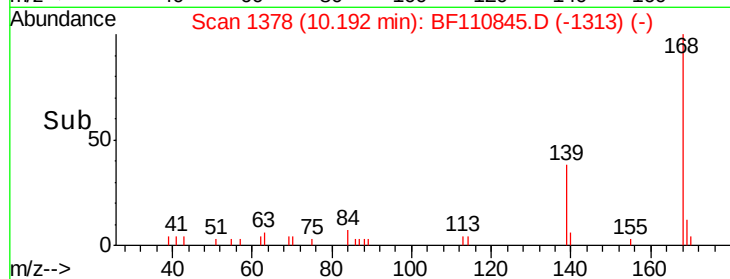
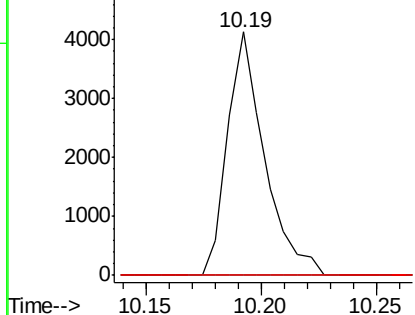
#56
4-Nitrophenol
Concen: 2.505 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.08 min
Lab File: BF110845.D
Acq: 19 Nov 2018 11:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 4620
Ion Ratio Lower Upper
139 100
109 0.0 55.8 95.8#
65 0.0 77.9 117.9#

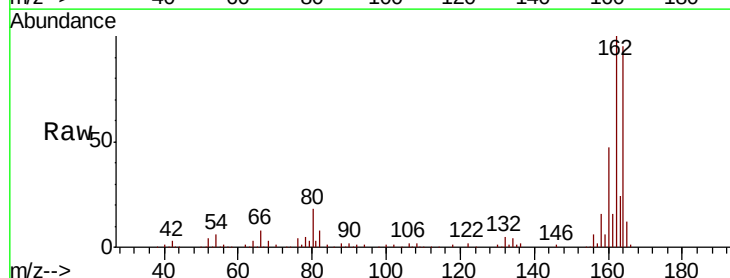


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

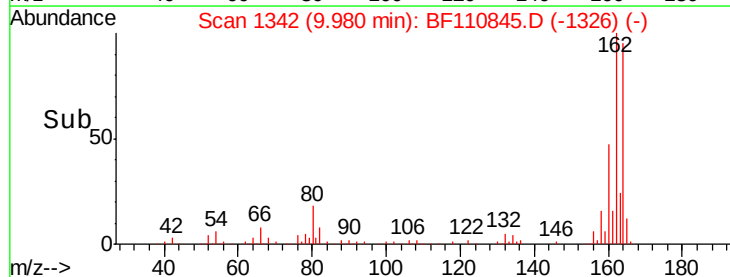
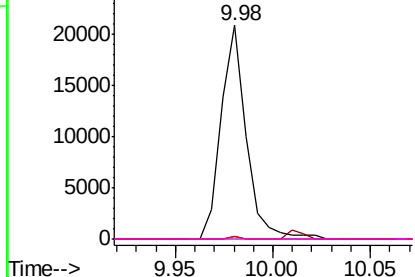


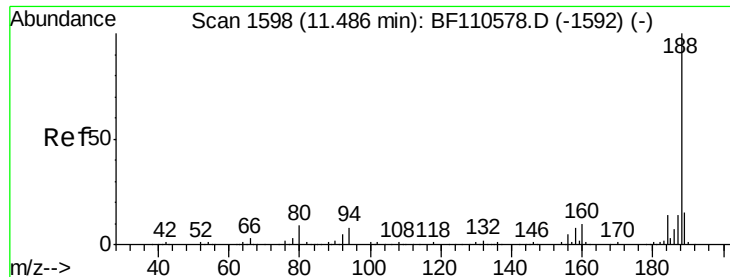
#57
2,4-Dinitrotoluene
Concen: 6.019 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.21 min
Lab File: BF110845.D
Acq: 19 Nov 2018 11:44

Tgt Ion:165 Resp: 18778
Ion Ratio Lower Upper
165 100
63 1.5 44.8 67.2#
89 1.4 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

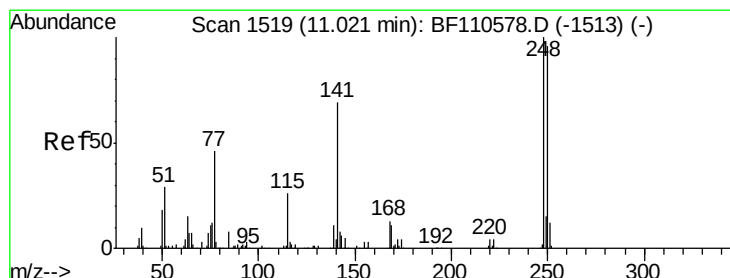
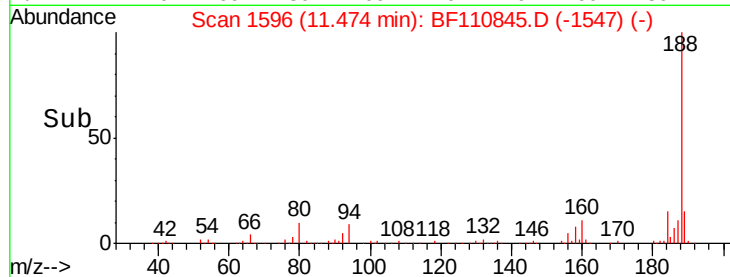
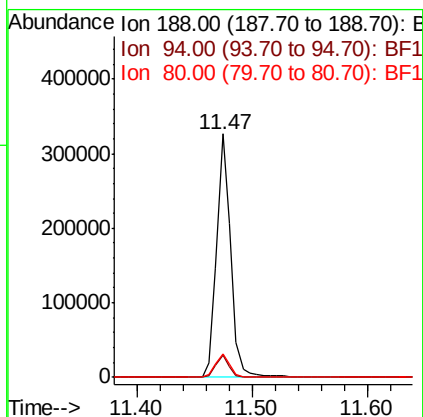
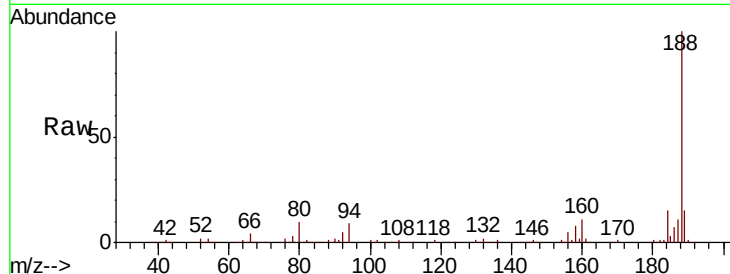




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF110845.D
 Acq: 19 Nov 2018 11:44

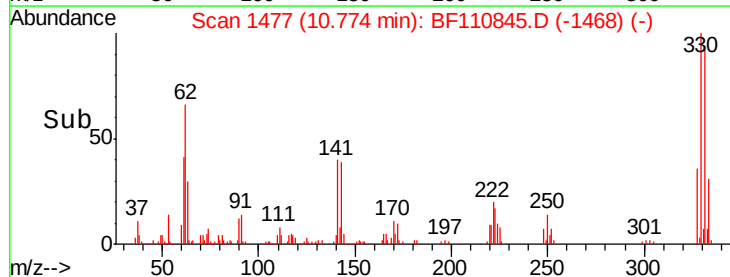
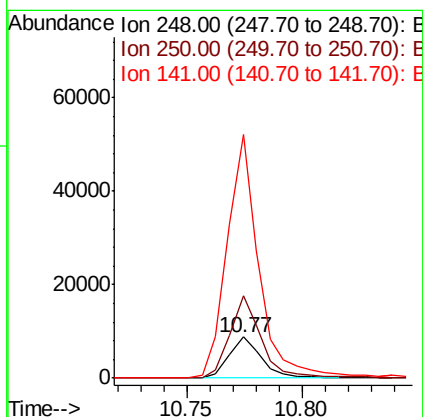
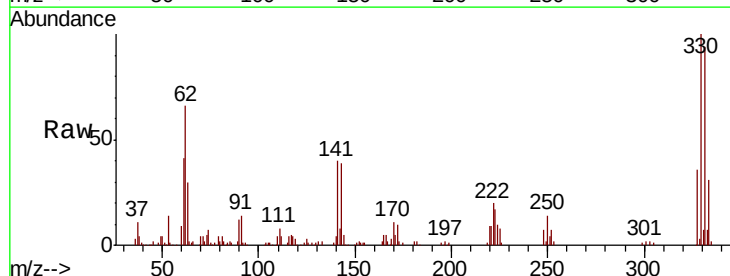
Instrument :
 BNA_F
 ClientSampleId :

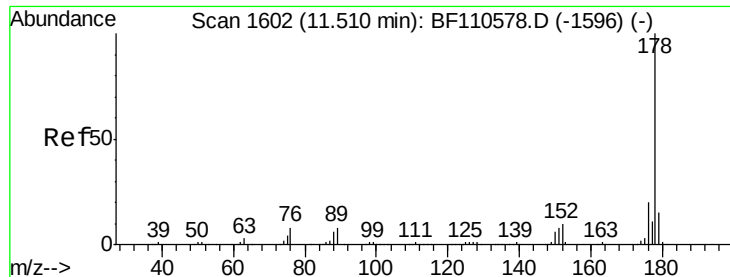
Tot Ion:188 Resp: 274685
 Ion Ratio Lower Upper
 188 100
 94 9.0 7.2 10.8
 80 9.7 7.9 11.9



#67
 4-Bromophenyl-phenylether
 Concen: 2.833 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.25 min
 Lab File: BF110845.D
 Acq: 19 Nov 2018 11:44

Tgt Ion:248 Resp: 8601
 Ion Ratio Lower Upper
 248 100
 250 200.4 79.4 119.2#
 141 594.9 55.9 83.9#





#71

Phenanthrene

Concen: 9.307 ng

RT: 11.50 min Scan# 1600

Delta R.T. -0.01 min

Lab File: BF110845.D

Acq: 19 Nov 2018 11:44

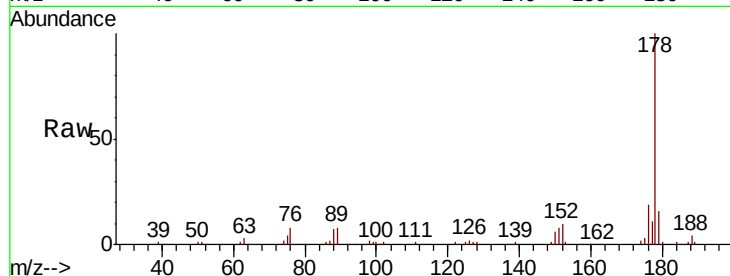
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 136969

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.5	23.3
179	15.6	12.5	18.7

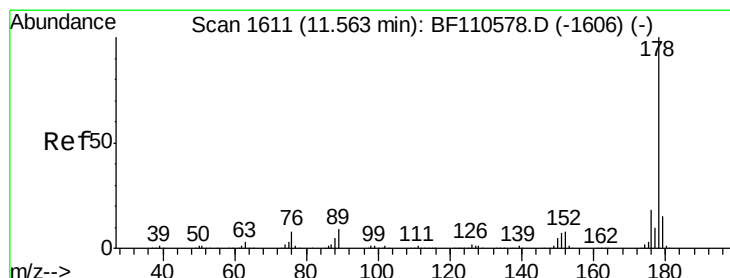
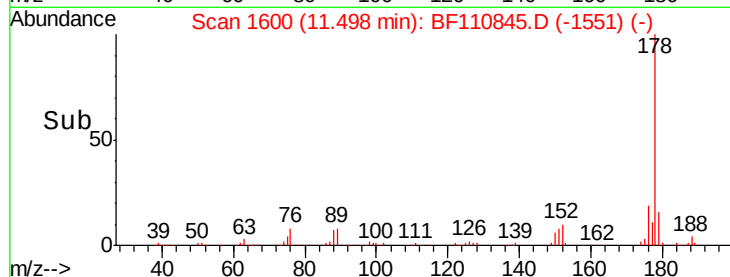
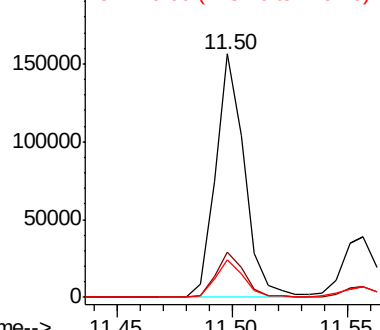


Abundance

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: 2.973 ng

RT: 11.56 min Scan# 1610

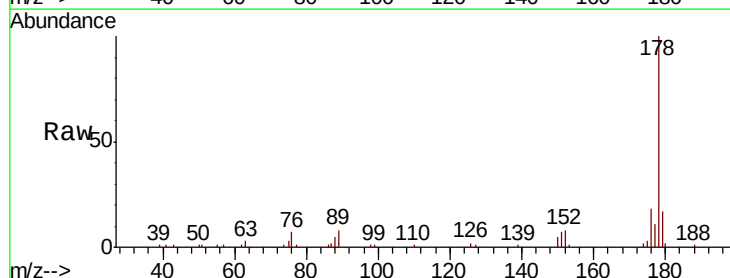
Delta R.T. -0.01 min

Lab File: BF110845.D

Acq: 19 Nov 2018 11:44

Tgt Ion:178 Resp: 44134

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	16.8	12.6	18.8

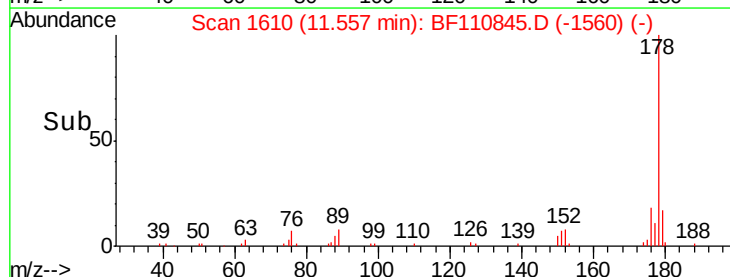
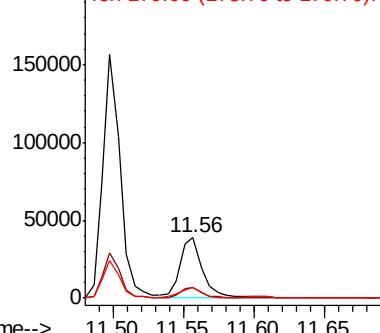


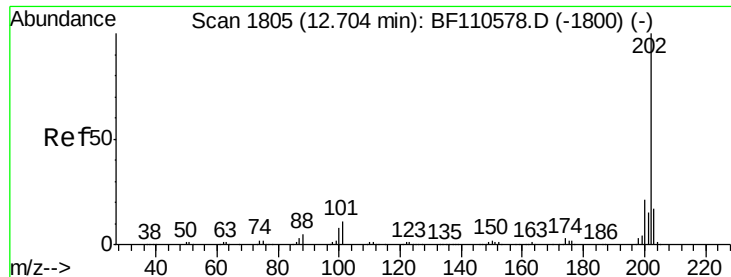
Abundance

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: 7.198 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF110845.D

Acq: 19 Nov 2018 11:44

Instrument :

BNA_F

ClientSampled :

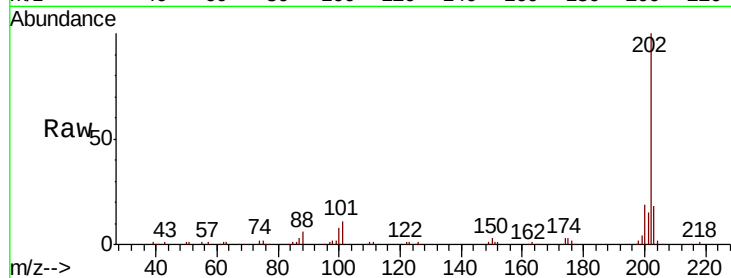
Tot Ion:202 Resp: 106193

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.4

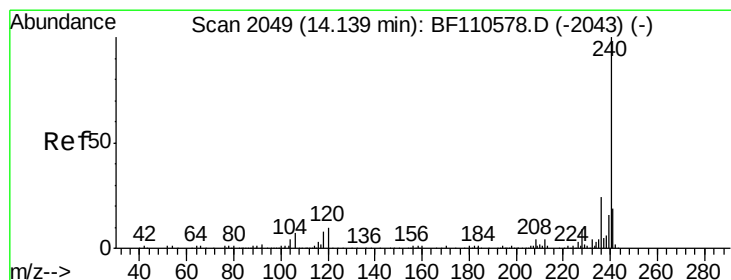
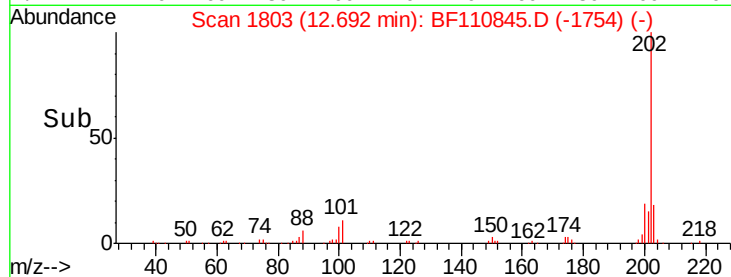
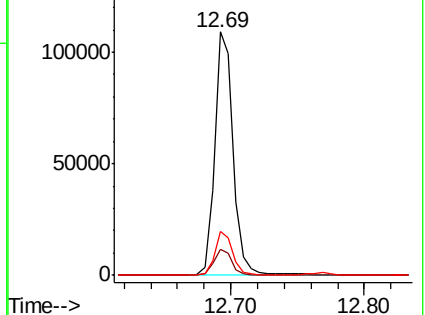
203 18.2 0.0 37.7



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: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF110845.D

Acq: 19 Nov 2018 11:44

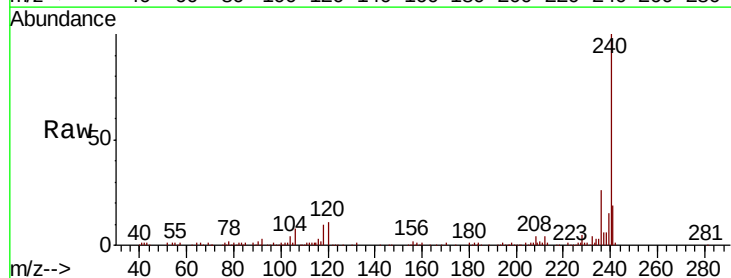
Tgt Ion:240 Resp: 166009

Ion Ratio Lower Upper

240 100

120 11.4 8.3 12.5

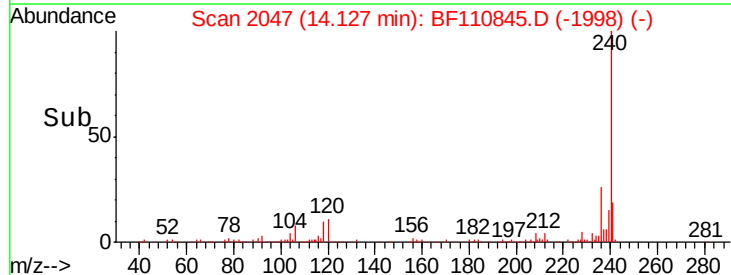
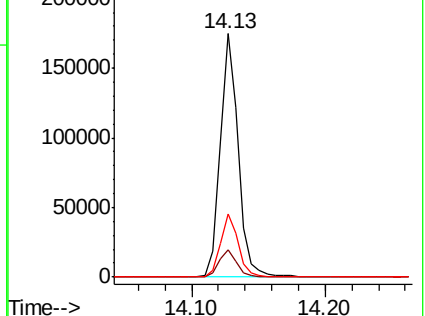
236 26.0 21.2 31.8

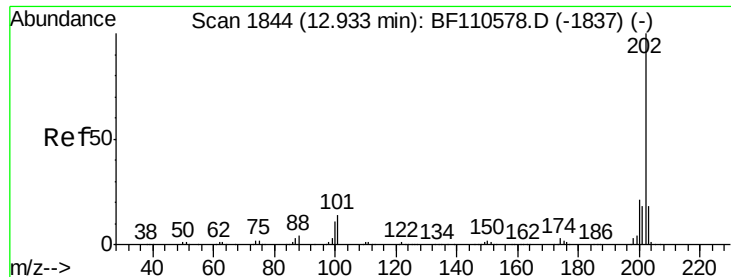


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

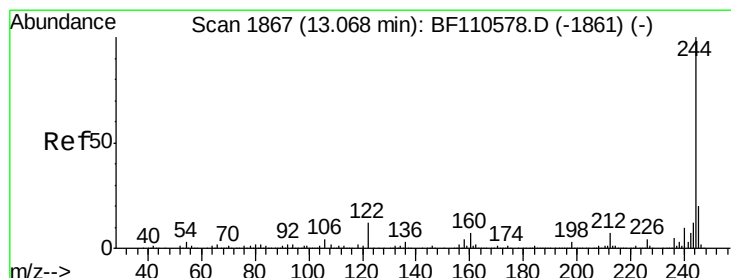
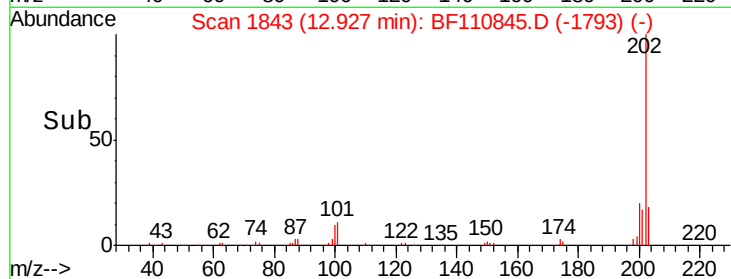
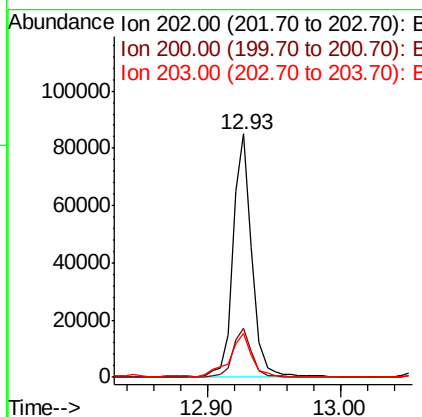
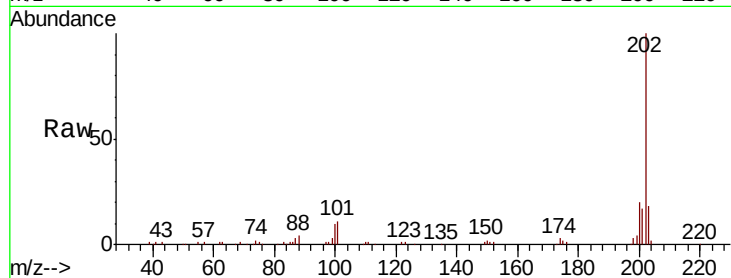




#78
Pvrene
Concen: 6.567 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110845.D
Acq: 19 Nov 2018 11:44

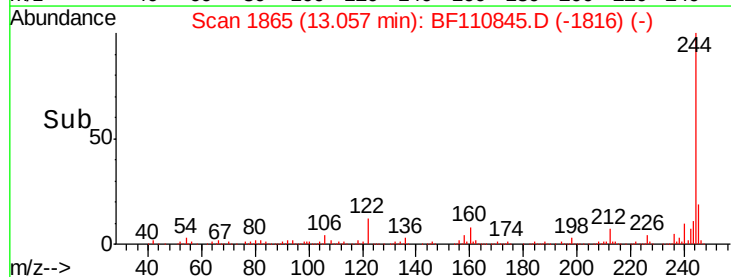
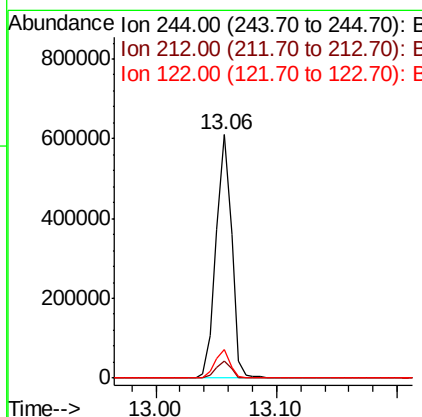
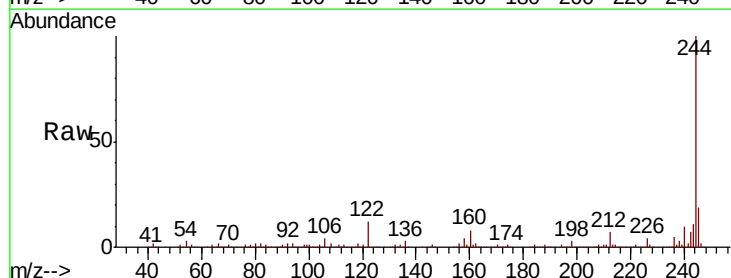
Instrument :
BNA_F
ClientSampleId :

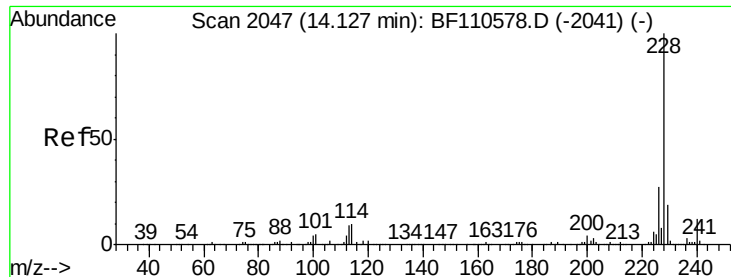
Tot Ion:202 Resp: 83937
Ion Ratio Lower Upper
202 100
200 20.0 17.8 26.6
203 18.0 14.2 21.4



#79
Terphenyl-d14
Concen: 60.721 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110845.D
Acq: 19 Nov 2018 11:44

Tgt Ion:244 Resp: 538258
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.8
122 11.7 8.7 13.1

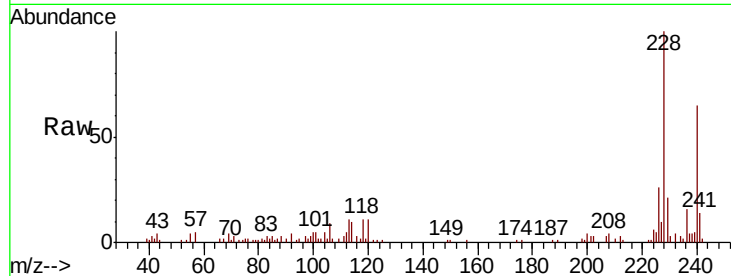




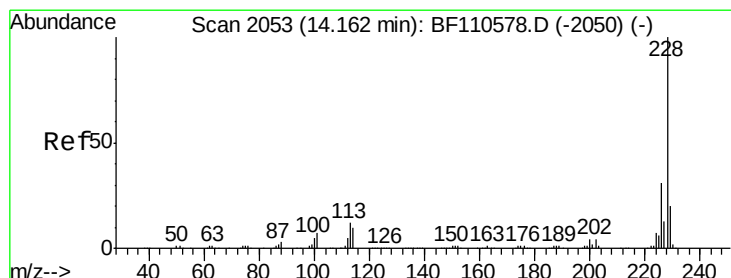
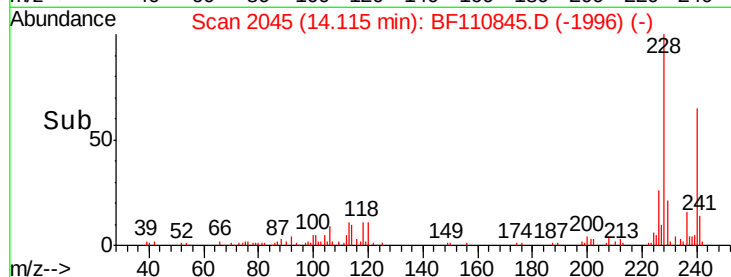
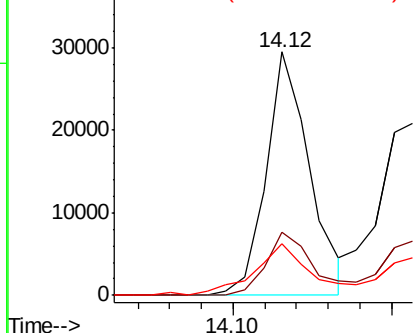
#81
Benzo(a)anthracene
Concen: 2.831 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BF110845.D
Acq: 19 Nov 2018 11:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 28090
Ion Ratio Lower Upper
228 100
226 25.9 22.1 33.1
229 21.2 15.6 23.4

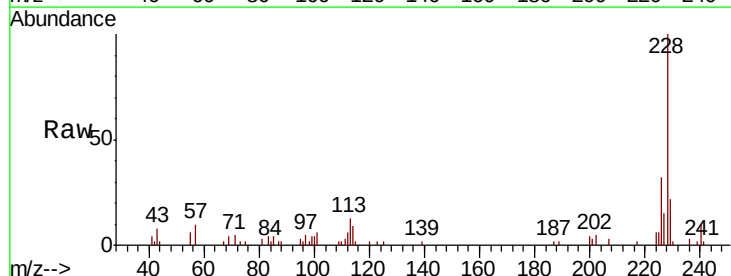


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

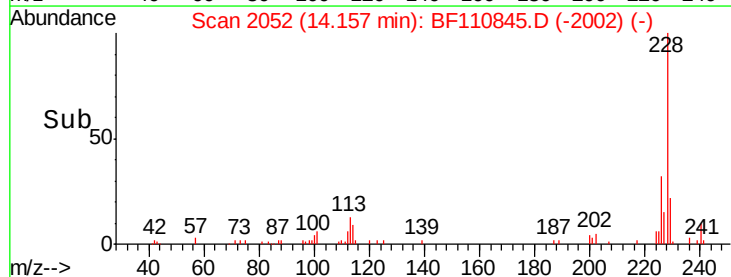
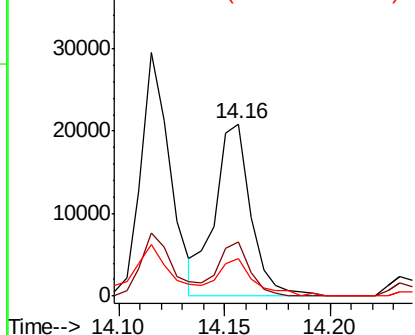


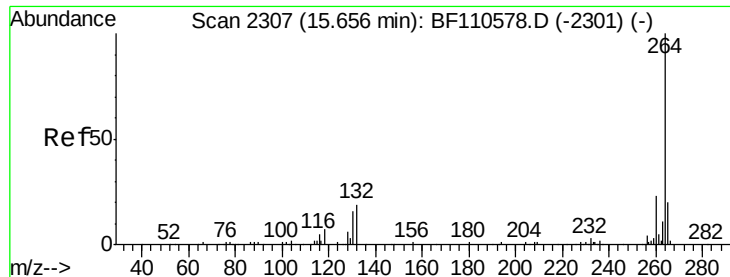
#83
Chrysene
Concen: 2.611 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110845.D
Acq: 19 Nov 2018 11:44

Tgt Ion:228 Resp: 24683
Ion Ratio Lower Upper
228 100
226 31.7 24.7 37.1
229 21.7 15.9 23.9



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

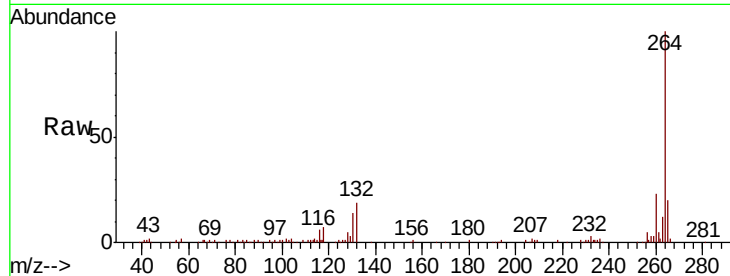




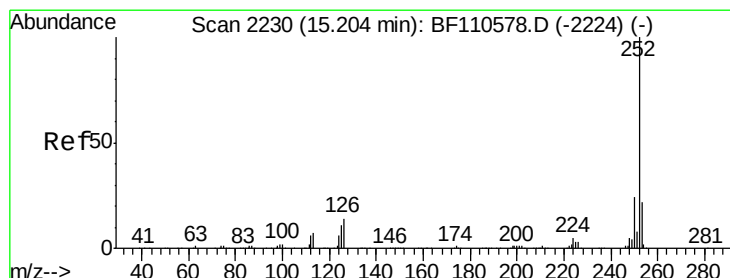
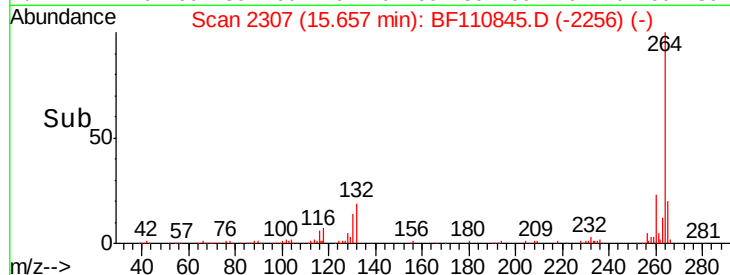
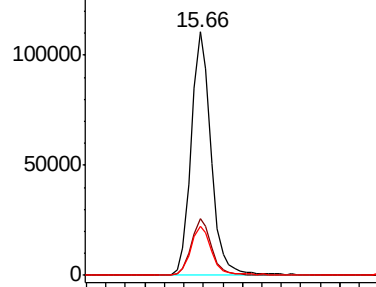
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110845.D
Acq: 19 Nov 2018 11:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 157396
Ion Ratio Lower Upper
264 100
260 23.2 18.7 28.1
265 20.4 16.7 25.1

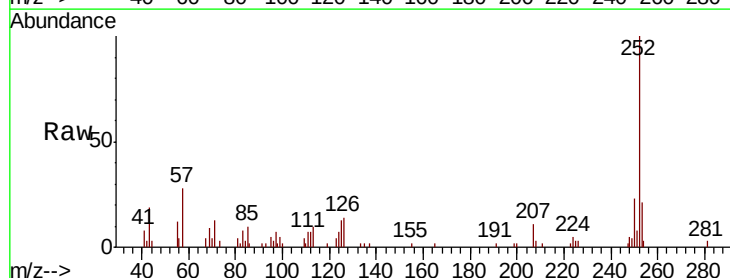


Abundance Ion 264.00 (263.70 to 264.70): E
150000 Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

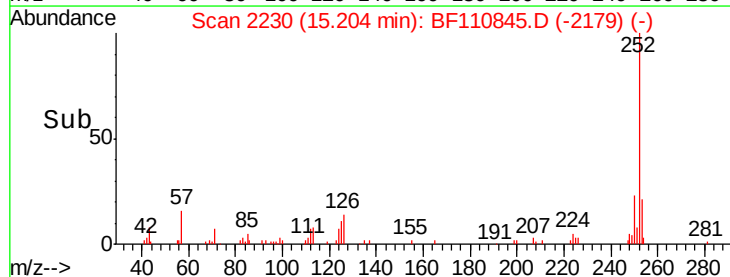
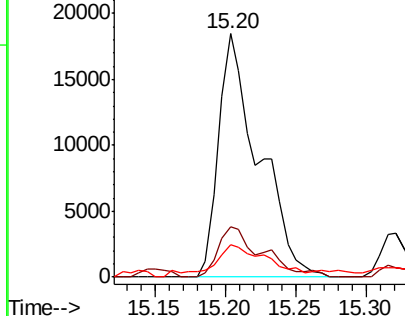


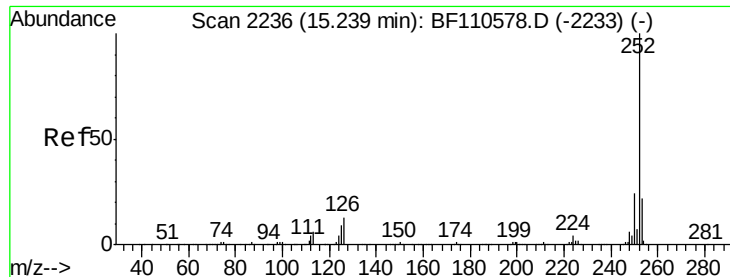
#88
Benzo(b)fluoranthene
Concen: 3.891 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110845.D
Acq: 19 Nov 2018 11:44

Tgt Ion:252 Resp: 36633
Ion Ratio Lower Upper
252 100
253 20.9 17.2 25.8
125 13.3 8.2 12.4#



Abundance Ion 252.00 (251.70 to 252.70): E
25000 Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

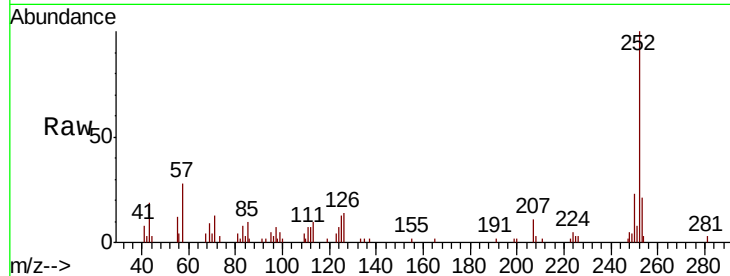




#89
Benzo(k)fluoranthene
Concen: 3.937 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110845.D
Acq: 19 Nov 2018 11:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.2	25.8
125	13.3	7.4	11.0

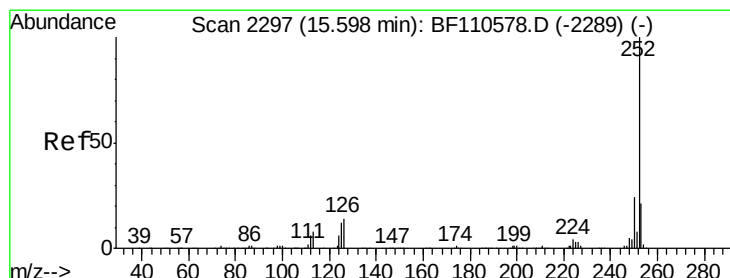
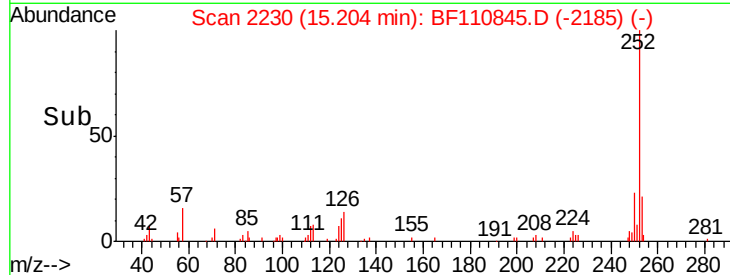
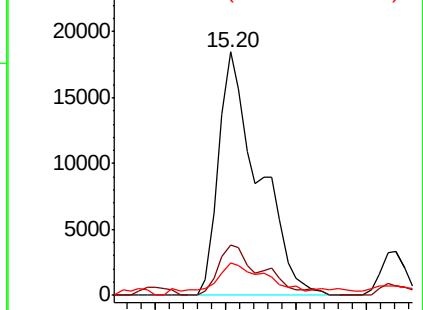


Abundance

Ion 252.00 (251.70 to 252.70): E

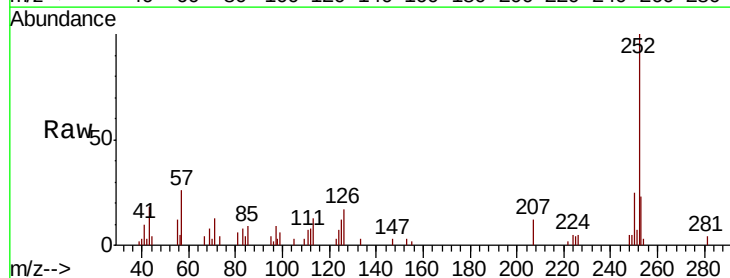
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.385 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110845.D
Acq: 19 Nov 2018 11:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	12.2	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

