

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
 Data File : BF110434.D
 Acq On : 3 Nov 2018 1:32
 Operator : JU/SJ
 Sample : J5769-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 03 04:18:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

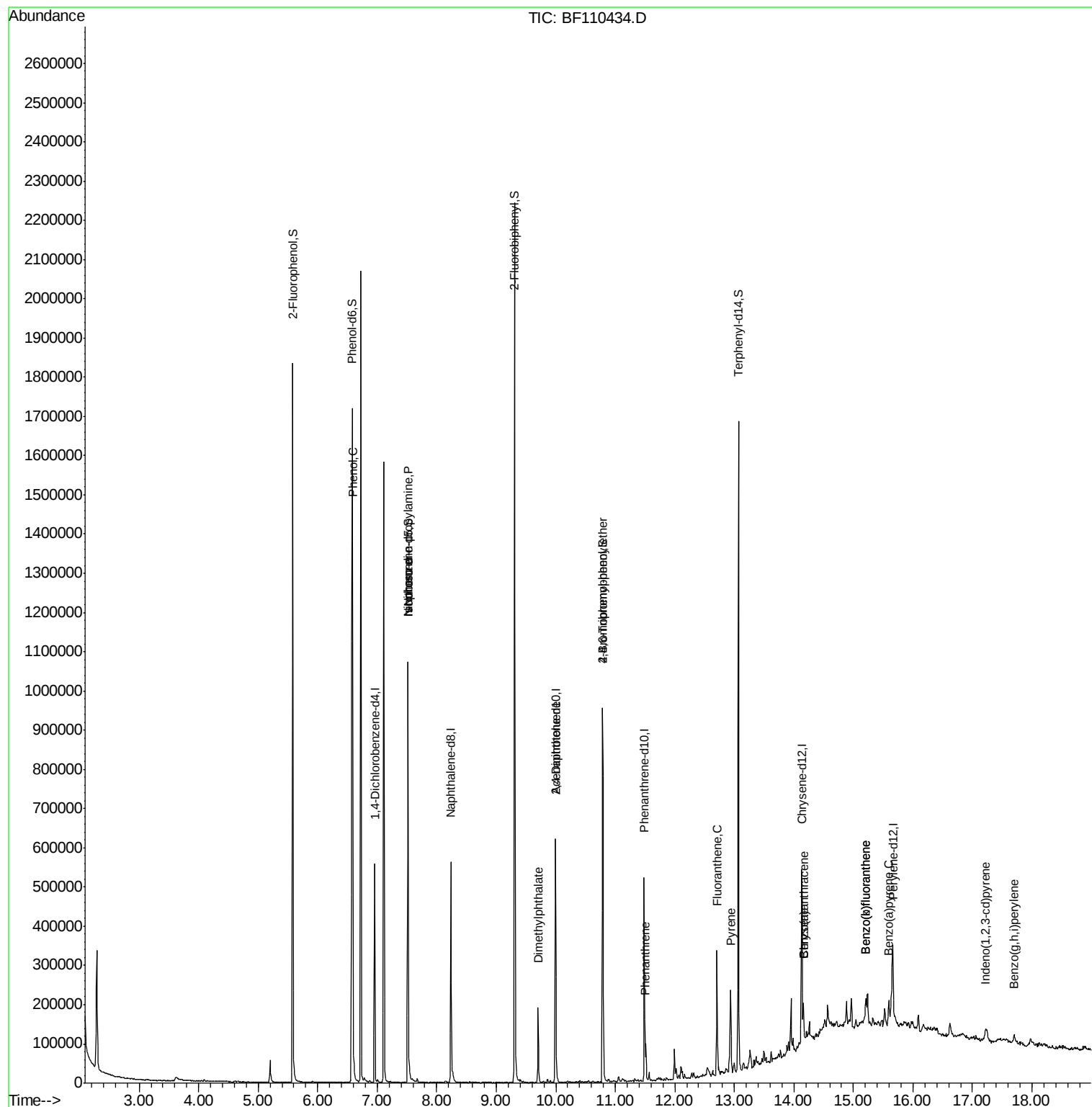
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	81499	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	299200	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	122355	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	206840	20.00	ng	0.00
76) Chrysene-d12	14.13	240	136696	20.00	ng	0.00
87) Perylene-d12	15.66	264	100498	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	513816	102.67	ng	0.00
7) Phenol-d6	6.58	99	635360	99.25	ng	0.00
23) Nitrobenzene-d5	7.52	82	377169	74.77	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	114263	94.28	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	656452	84.25	ng	0.00
79) Terphenyl-d14	13.07	244	509906	77.58	ng	0.00
Target Compounds						
10) Phenol	6.59	94	37249	5.444	ng	# 68
19) n-Nitroso-di-n-propylamine	7.52	70	48990	11.929	ng	# 79
25) Isophorone	7.52	82	377167	43.863	ng	# 67
50) Dimethylphthalate	9.70	163	87049	9.638	ng	99
57) 2,4-Dinitrotoluene	10.00	165	15396	6.230	ng	# 20
67) 4-Bromophenyl-phenylether	10.79	248	6763	3.014	ng	# 1
71) Phenanthrene	11.52	178	38685	3.574	ng	97
75) Fluoranthene	12.70	202	95391	8.685	ng	100
78) Pyrene	12.94	202	91545	9.341	ng	98
81) Benzo(a)anthracene	14.16	228	37783	4.661	ng	93
83) Chrysene	14.16	228	37783	4.907	ng	97
86) Indeno(1,2,3-cd)pyrene	17.23	276	14565	2.280	ng	# 83
88) Benzo(b)fluoranthene	15.20	252	52604	9.064	ng	# 87
89) Benzo(k)fluoranthene	15.20	252	52604	9.220	ng	# 86
90) Benzo(a)pyrene	15.60	252	26725	5.005	ng	# 96
92) Benzo(g,h,i)perylene	17.70	276	16621	3.661	ng	# 88

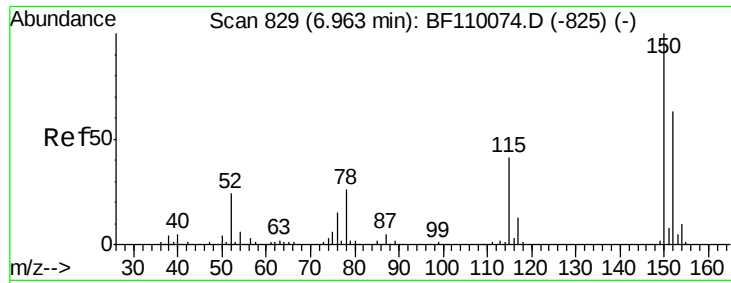
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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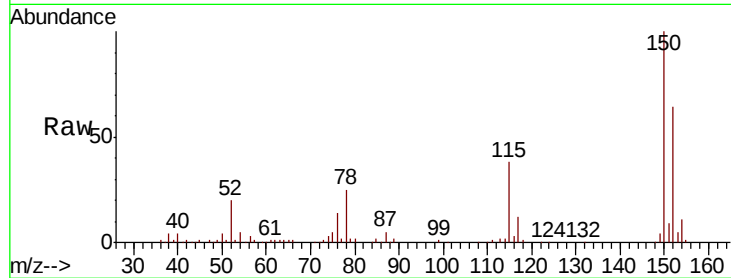




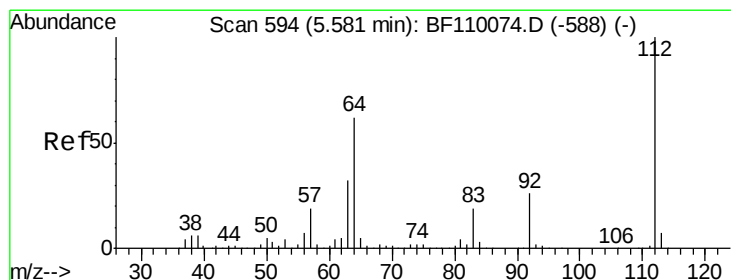
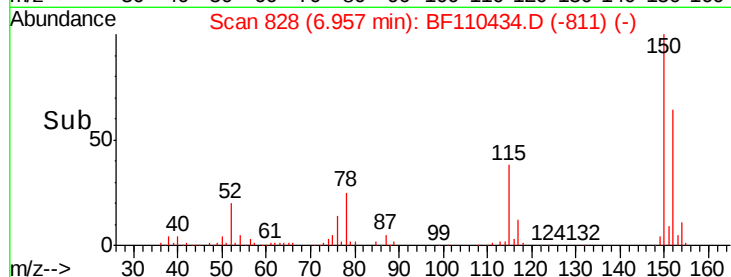
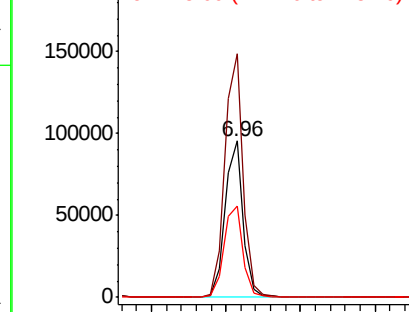
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BF110434.D
 Acq: 3 Nov 2018 1:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 81499
 Ion Ratio Lower Upper
 152 100
 150 155.8 122.7 184.1
 115 58.7 49.1 73.7

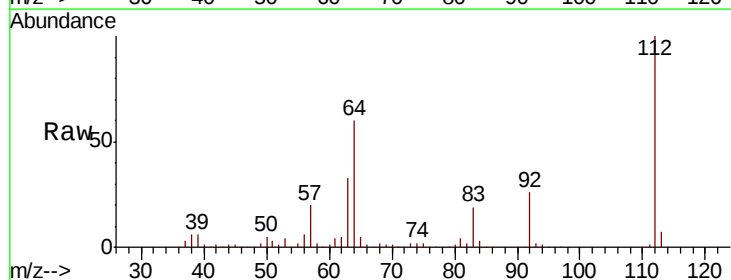


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

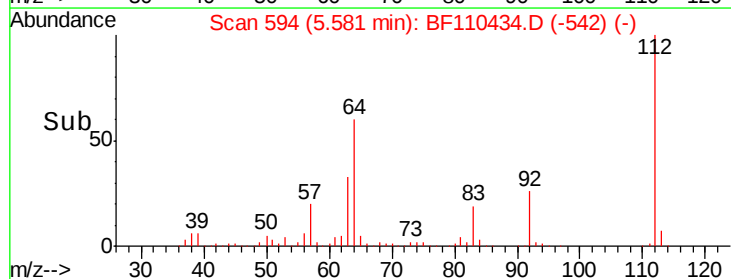
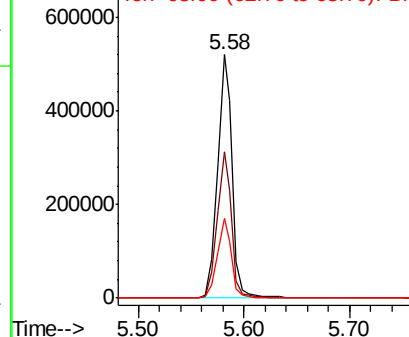


#5
 2-Fluorophenol
 Concen: 102.667 ng
 RT: 5.58 min Scan# 594
 Delta R.T. 0.01 min
 Lab File: BF110434.D
 Acq: 3 Nov 2018 1:32

Tgt Ion:112 Resp: 513816
 Ion Ratio Lower Upper
 112 100
 64 60.0 44.1 66.1
 63 32.6 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: 99.254 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF110434.D

Acq: 3 Nov 2018 1:32

Instrument :

BNA_F

ClientSampleId :

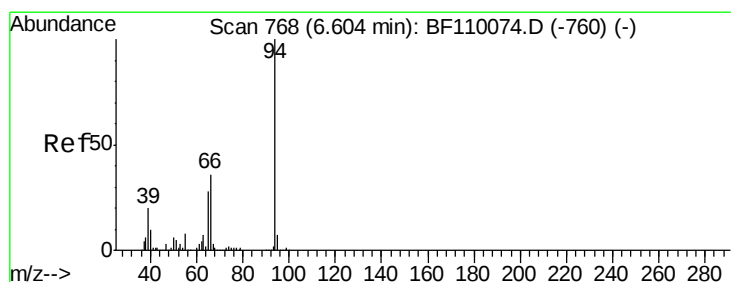
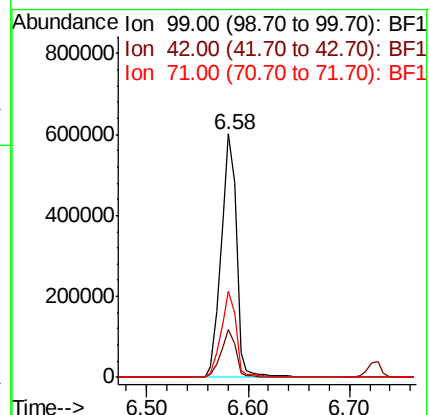
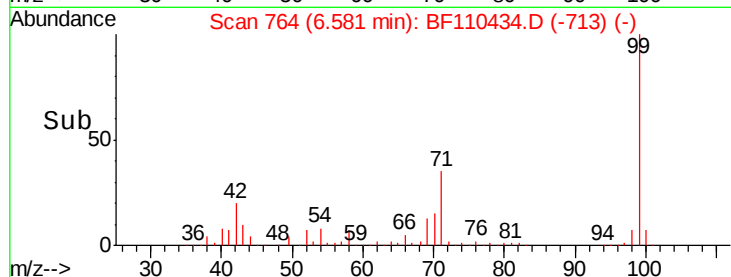
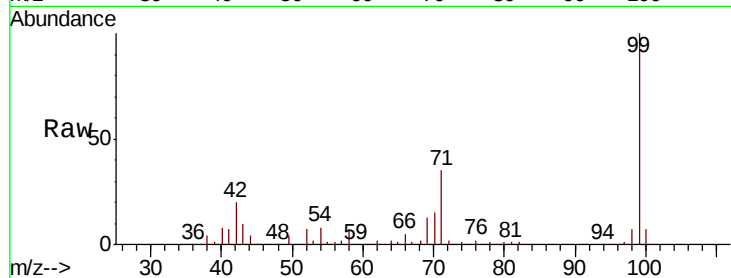
Tot Ion: 99 Resp: 635360

Ion Ratio Lower Upper

99 100

42 19.8 15.8 23.6

71 35.3 28.0 42.0



#10

Phenol

Concen: 5.444 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110434.D

Acq: 3 Nov 2018 1:32

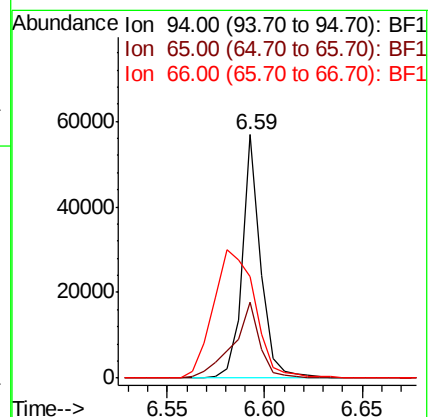
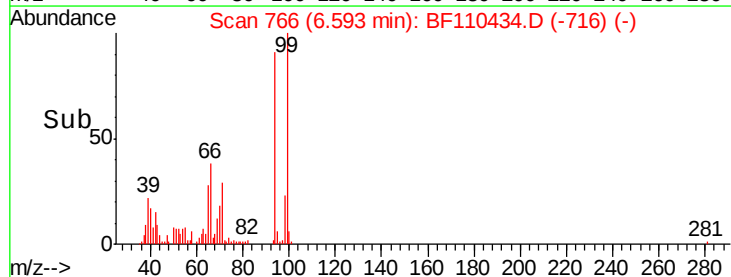
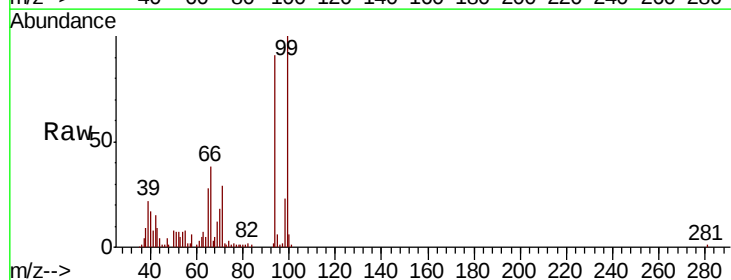
Tgt Ion: 94 Resp: 37249

Ion Ratio Lower Upper

94 100

65 31.0 25.3 65.3

66 41.8 54.5 94.5#

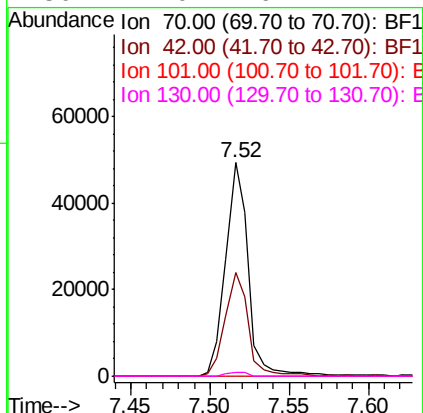
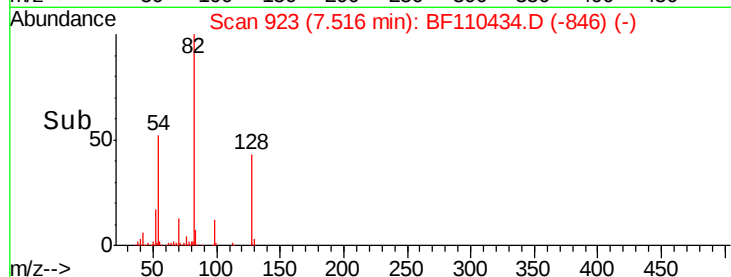
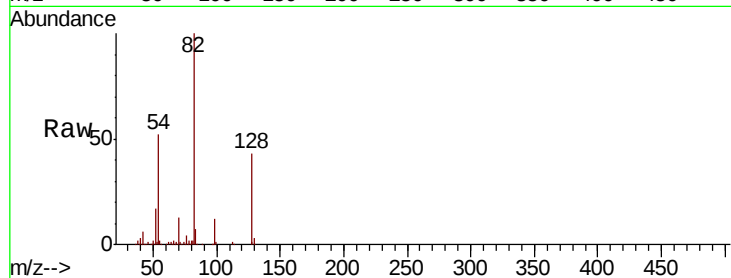




#19
n-Nitroso-di-n-propylamine
Concen: 11.929 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.15 min
Lab File: BF110434.D
Acq: 3 Nov 2018 1:32

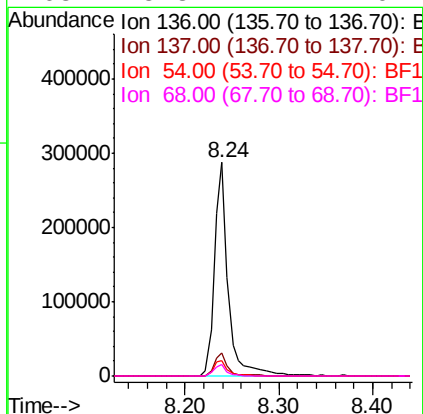
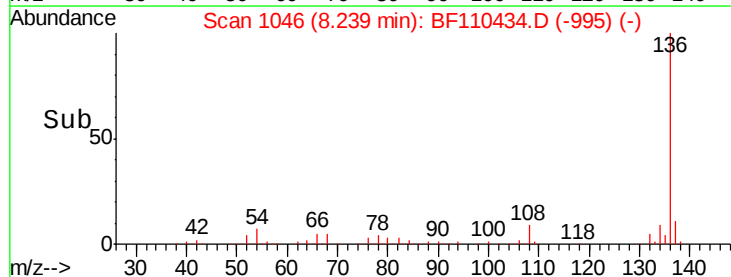
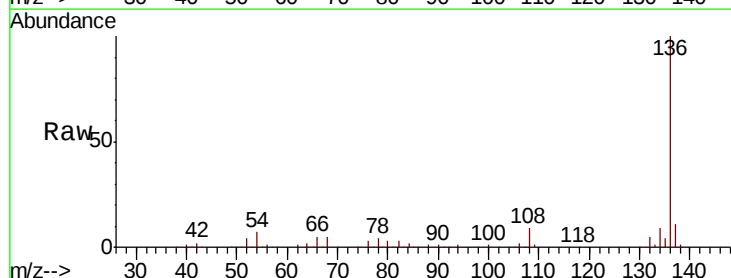
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 48990
Ion Ratio Lower Upper
70 100
42 48.4 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: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110434.D
Acq: 3 Nov 2018 1:32

Tgt Ion: 136 Resp: 299200
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.4 5.4 8.2
68 5.3 4.2 6.2

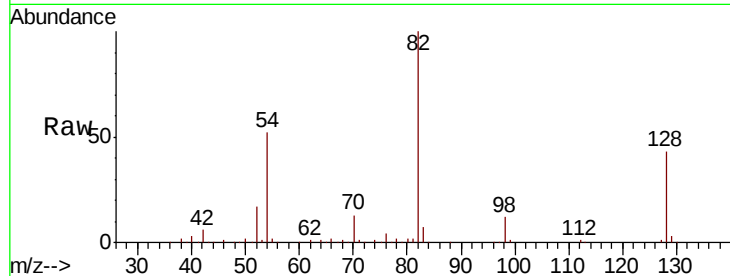




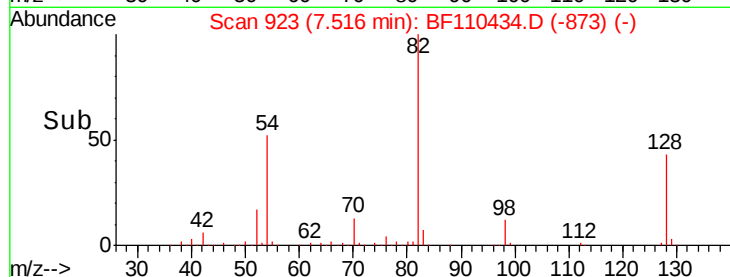
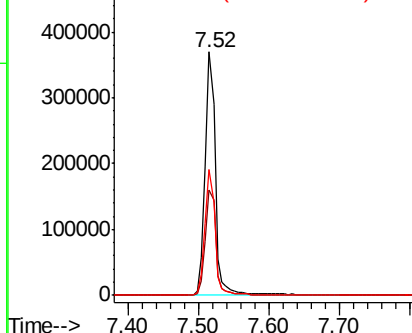
#23
Nitrobenzene-d5
Concen: 74.770 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110434.D
Acq: 3 Nov 2018 1:32

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	377169
Ion Ratio	Lower	Upper	
82	100		
128	43.4	34.2	51.2
54	51.8	38.6	58.0

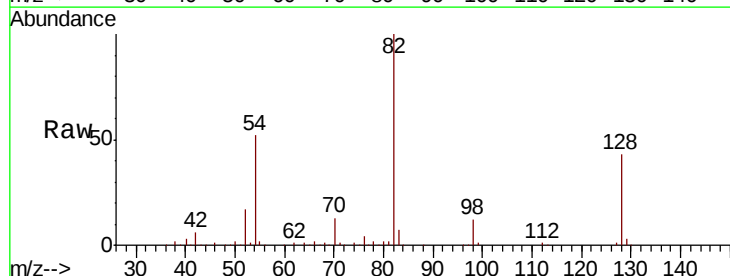


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

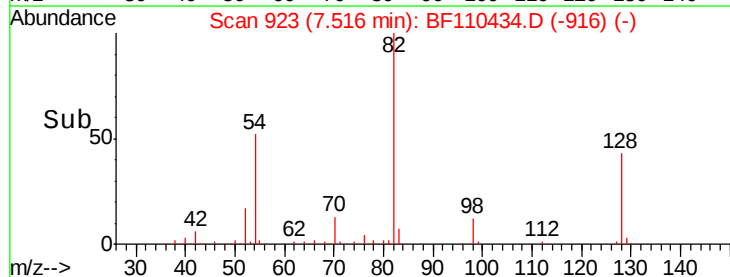
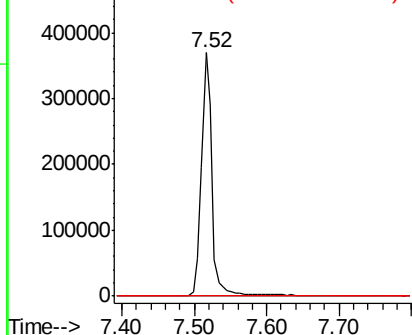


#25
Isophorone
Concen: 43.863 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.26 min
Lab File: BF110434.D
Acq: 3 Nov 2018 1:32

Tgt Ion	82	Resp	377167
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

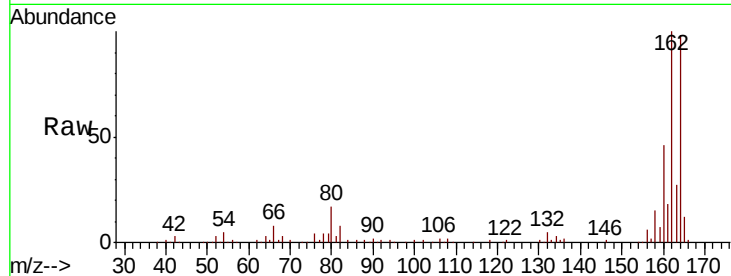




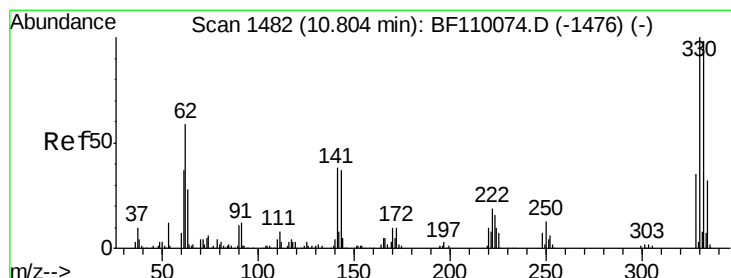
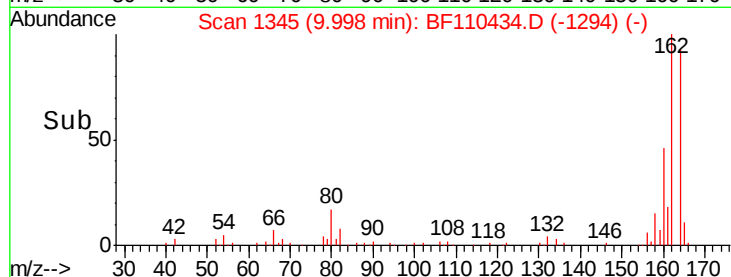
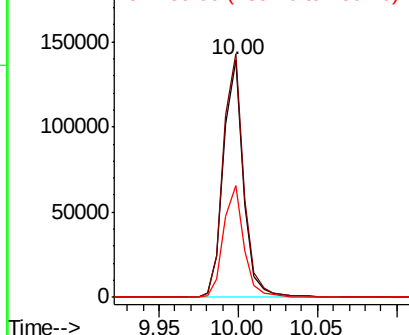
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BF110434.D
Acq: 3 Nov 2018 1:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 122355
Ion Ratio Lower Upper
164 100
162 102.4 83.0 124.6
160 46.8 37.0 55.6

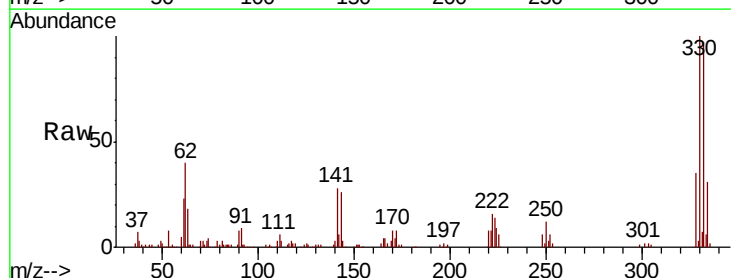


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

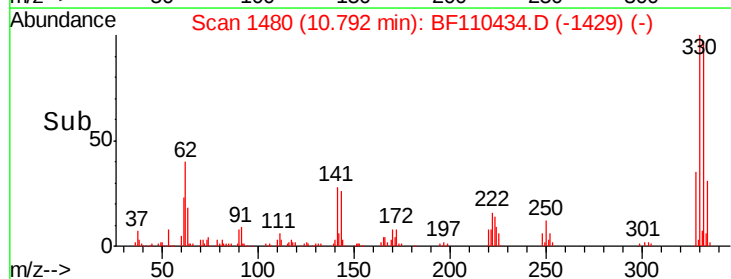
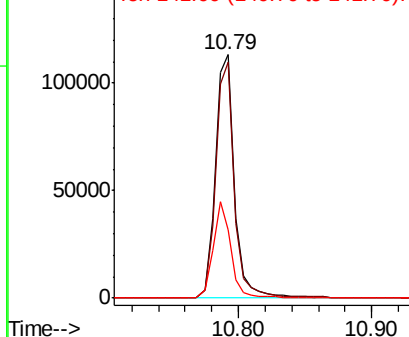


#42
2,4,6-Tribromophenol
Concen: 94.276 ng
RT: 10.79 min Scan# 1480
Delta R.T. 0.00 min
Lab File: BF110434.D
Acq: 3 Nov 2018 1:32

Tgt Ion:330 Resp: 114263
Ion Ratio Lower Upper
330 100
332 95.1 77.1 115.7
141 36.5 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

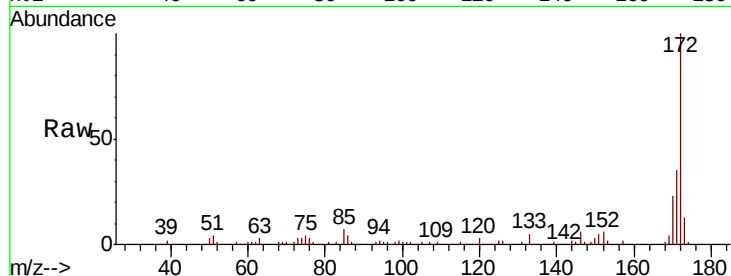




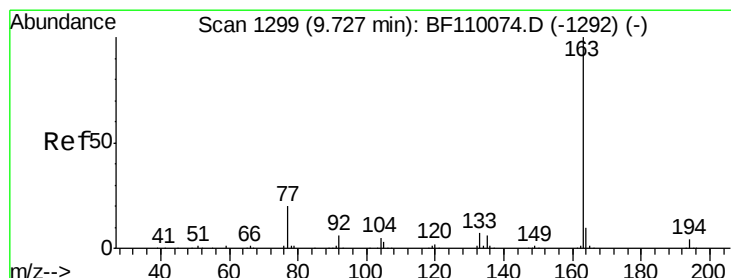
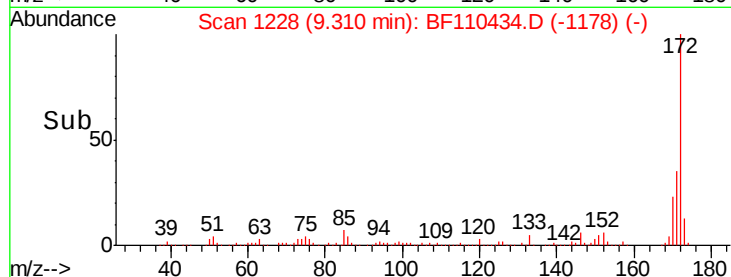
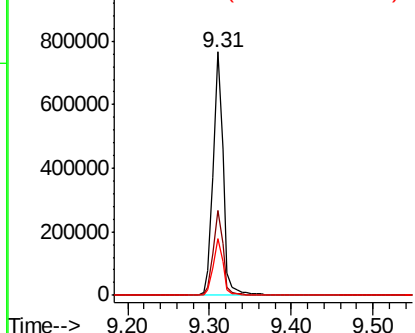
#45
 2-Fluorobiphenyl
 Concen: 84.247 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110434.D
 Acq: 3 Nov 2018 1:32

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 656452
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 43.0
 170 23.3 19.7 29.5

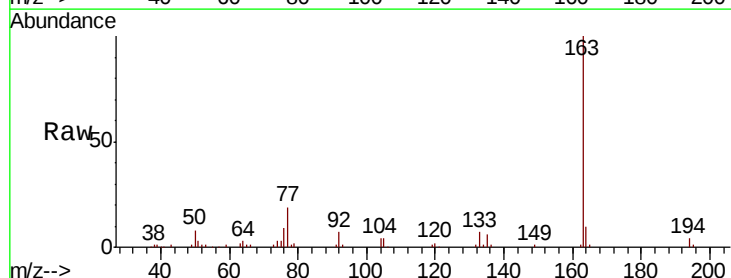


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

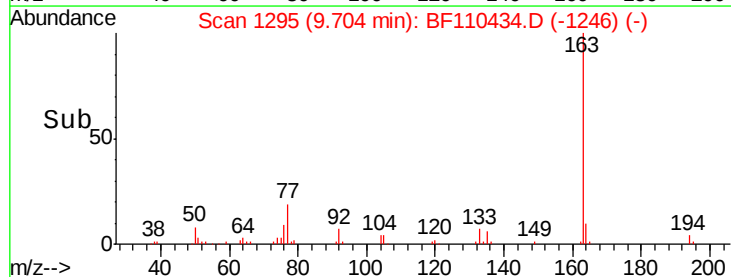
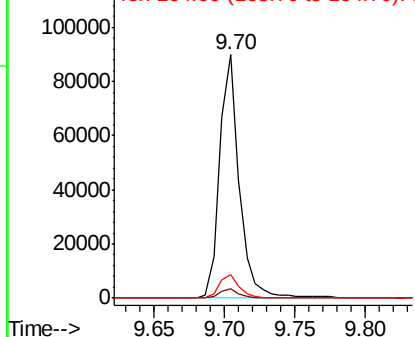


#50
 Dimethylphthalate
 Concen: 9.638 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF110434.D
 Acq: 3 Nov 2018 1:32

Tgt Ion:163 Resp: 87049
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.2 4.8
 164 9.8 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

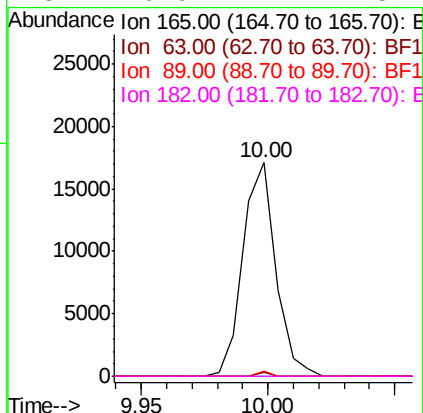
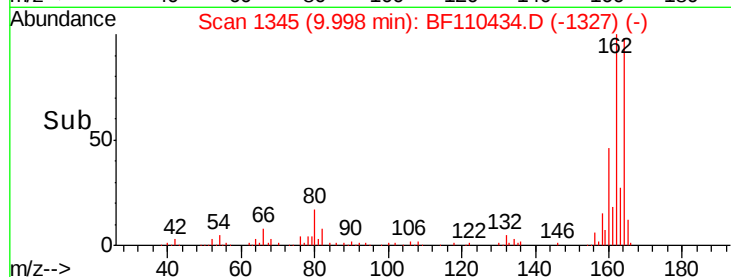
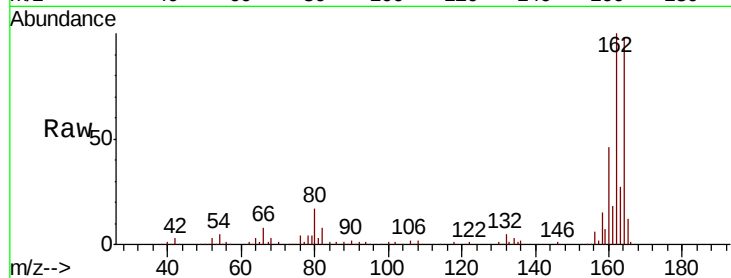




#57
 2,4-Dinitrotoluene
 Concen: 6.230 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.19 min
 Lab File: BF110434.D
 Acq: 3 Nov 2018 1:32

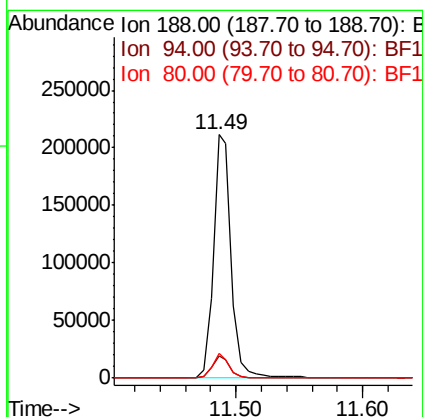
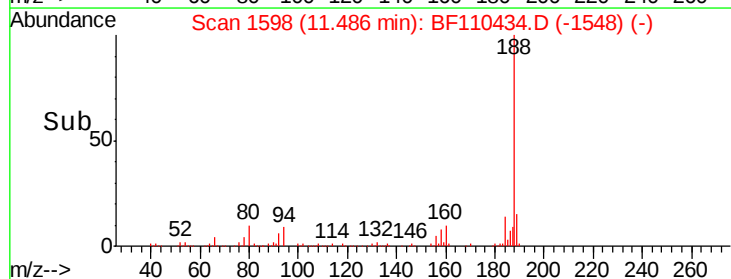
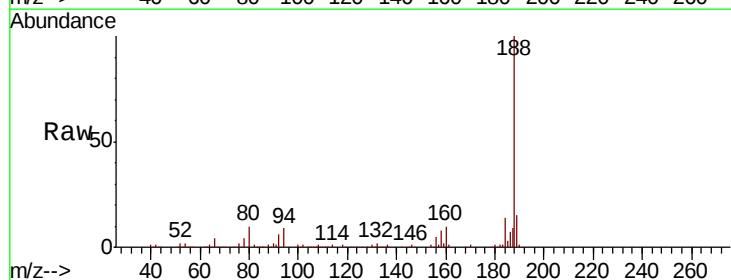
Instrument :
 BNA_F
 ClientSampleId :

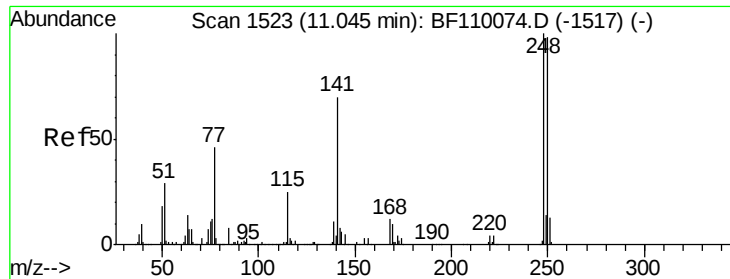
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.8	67.2#
89	2.5	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF110434.D
 Acq: 3 Nov 2018 1:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.2	10.8
80	10.4	7.9	11.9

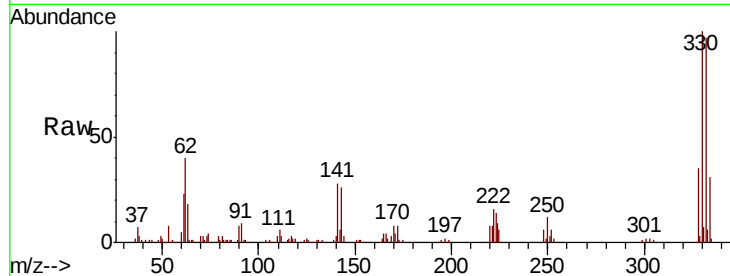




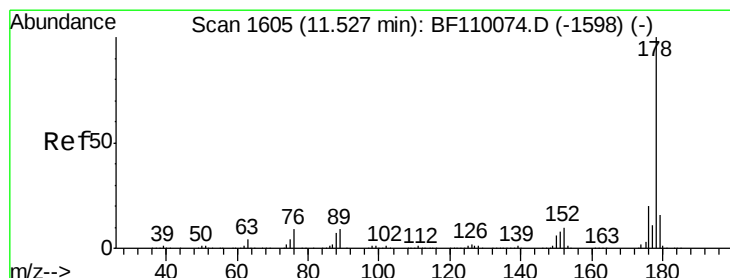
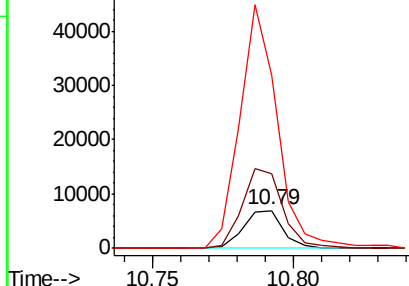
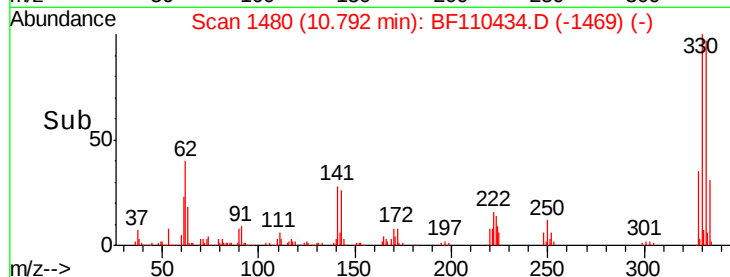
#67
 4-Bromophenyl-phenylether
 Concen: 3.014 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.24 min
 Lab File: BF110434.D
 Acq: 3 Nov 2018 1:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 6763
 Ion Ratio Lower Upper
 248 100
 250 199.0 79.4 119.2#
 141 459.2 55.9 83.9#

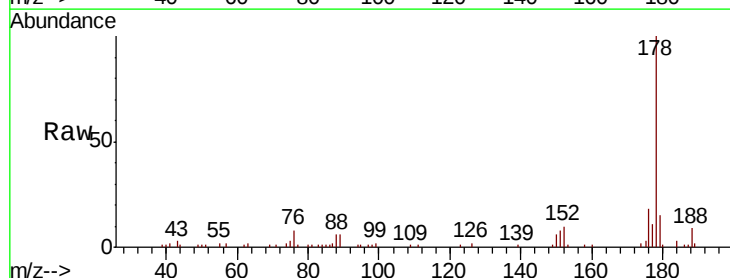


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

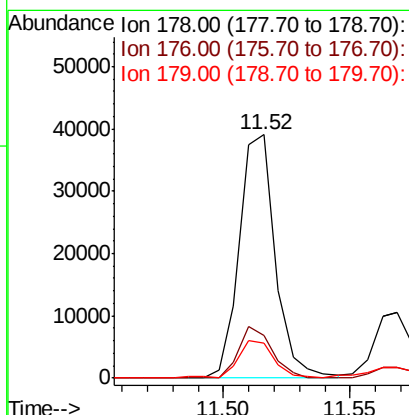
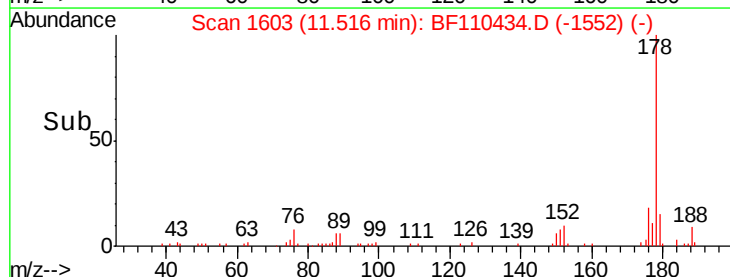


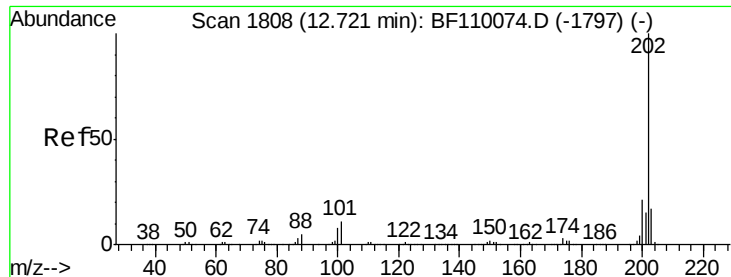
#71
 Phenanthrene
 Concen: 3.574 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. 0.00 min
 Lab File: BF110434.D
 Acq: 3 Nov 2018 1:32

Tgt Ion:178 Resp: 38685
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.5 23.3
 179 14.6 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





#75

Fluoranthene

Concen: 8.685 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF110434.D

Acq: 3 Nov 2018 1:32

Instrument :

BNA_F

ClientSampled :

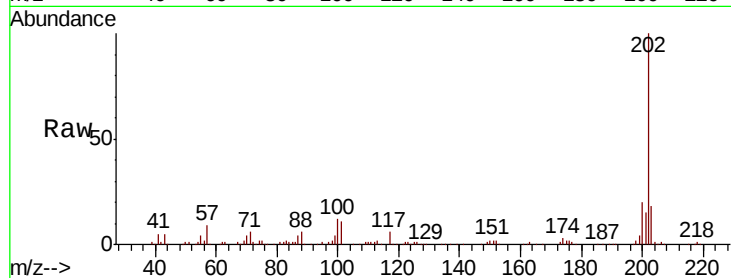
Tot Ion:202 Resp: 95391

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.4

203 17.6 0.0 37.7

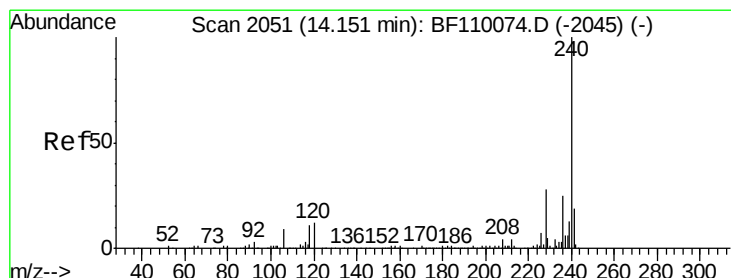
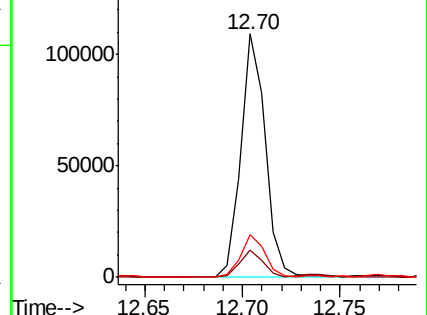
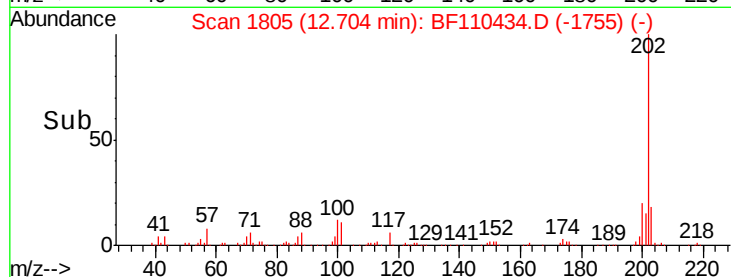


Abundance

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# 2048

Delta R.T. -0.01 min

Lab File: BF110434.D

Acq: 3 Nov 2018 1:32

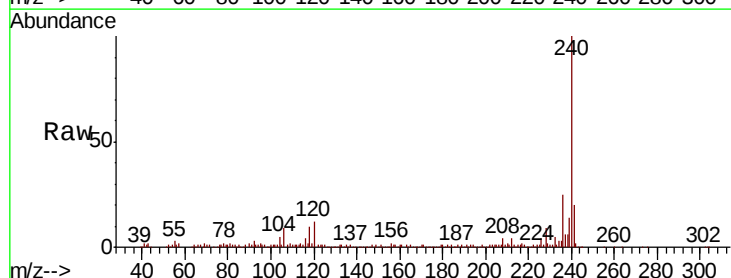
Tgt Ion:240 Resp: 136696

Ion Ratio Lower Upper

240 100

120 11.9 8.3 12.5

236 25.0 21.2 31.8

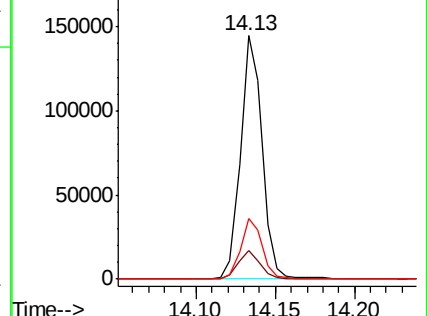
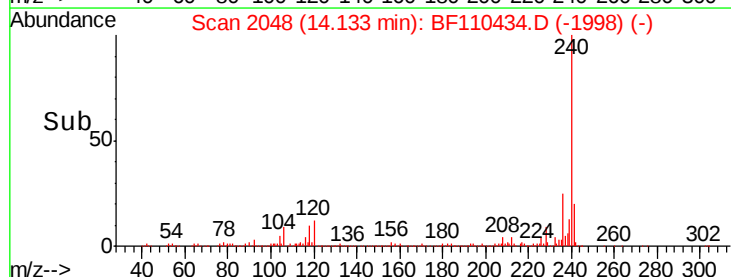


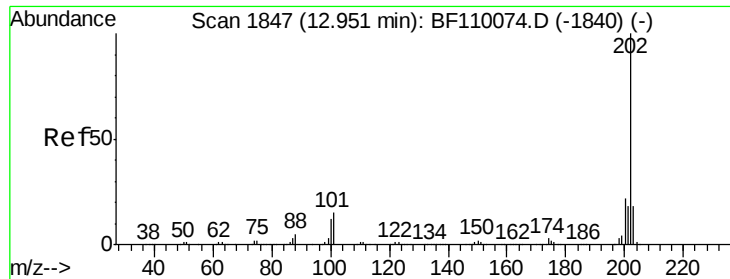
Abundance

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

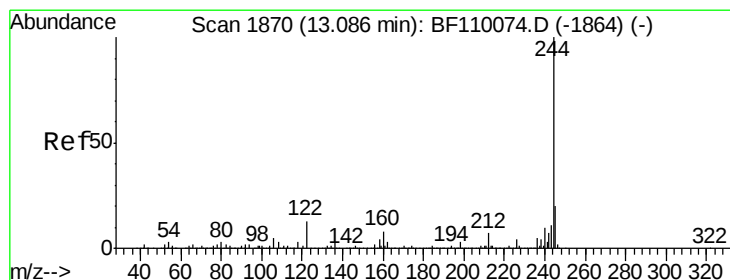
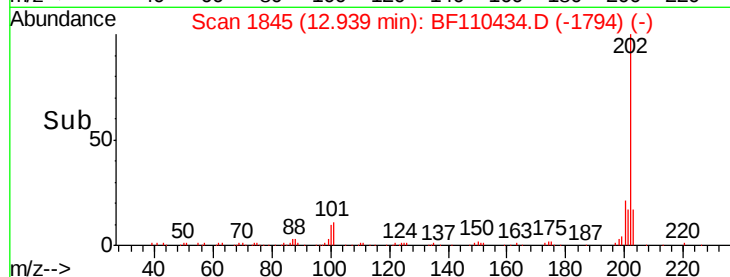
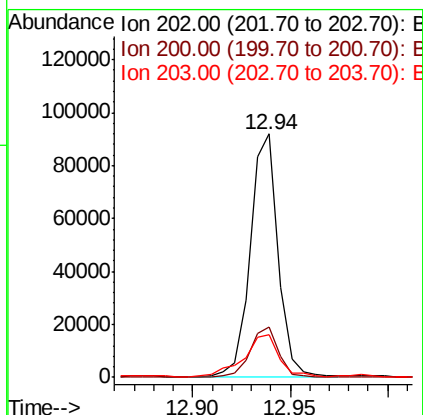
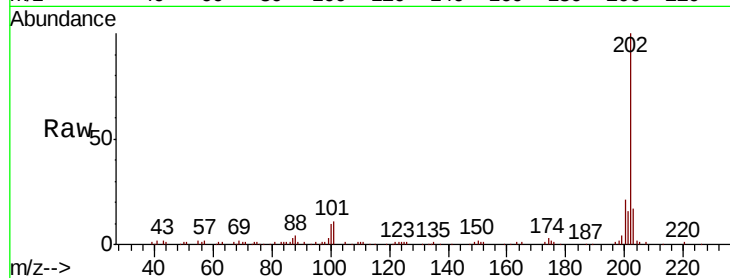




#78
Pvrene
Concen: 9.341 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF110434.D
Acq: 3 Nov 2018 1:32

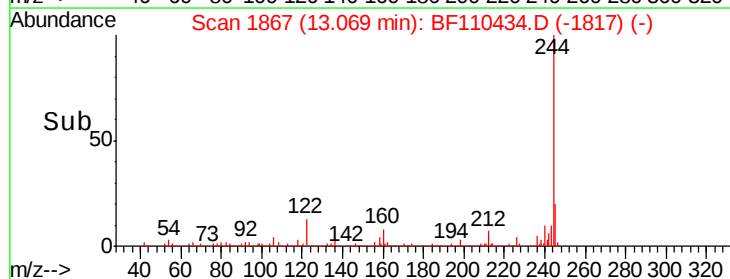
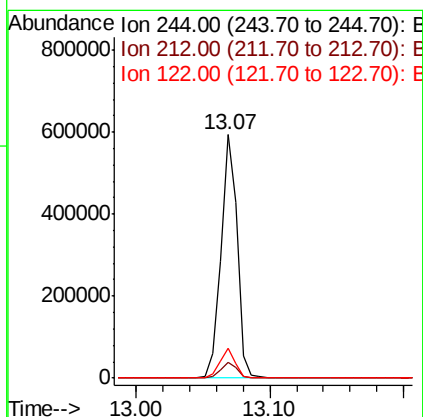
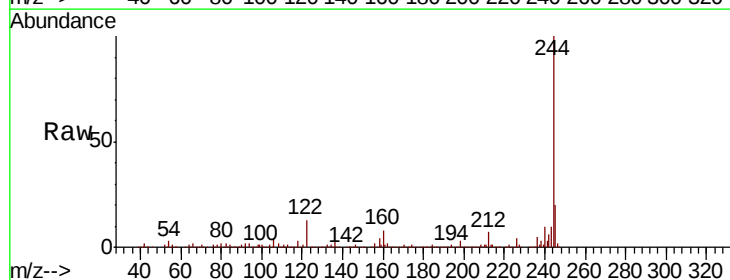
Instrument :
BNA_F
ClientSampleId :

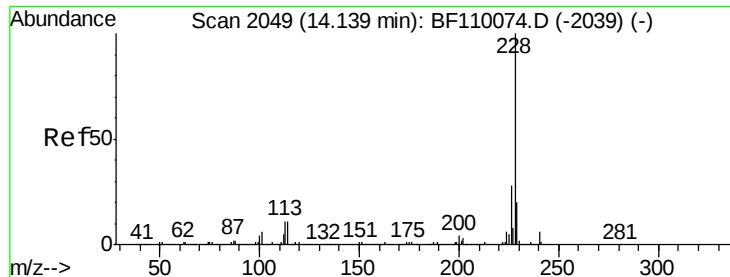
Tot Ion:202 Resp: 91545
Ion Ratio Lower Upper
202 100
200 20.7 17.8 26.6
203 17.3 14.2 21.4



#79
Terphenyl-d14
Concen: 77.578 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF110434.D
Acq: 3 Nov 2018 1:32

Tgt Ion:244 Resp: 509906
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.8
122 12.5 8.7 13.1

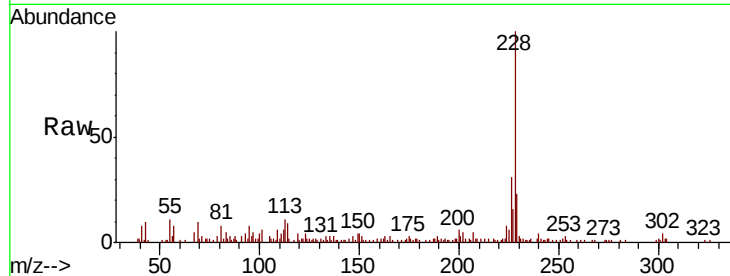




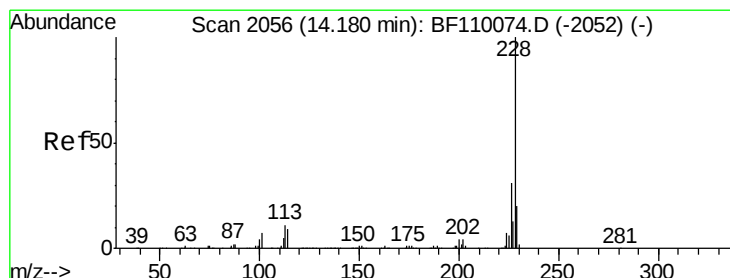
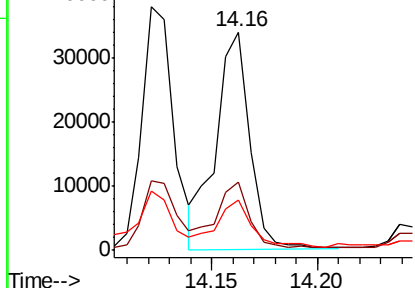
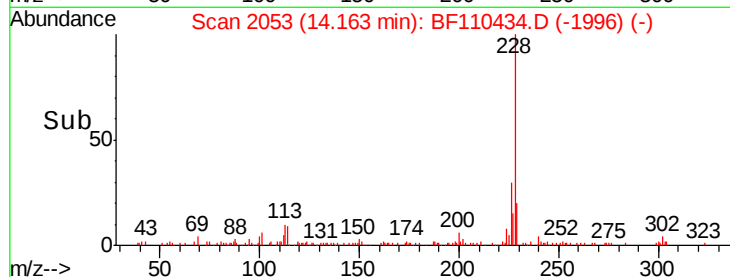
#81
Benzo(a)anthracene
Concen: 4.661 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.04 min
Lab File: BF110434.D
Acq: 3 Nov 2018 1:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 37783
Ion Ratio Lower Upper
228 100
226 31.3 22.1 33.1
229 22.8 15.6 23.4

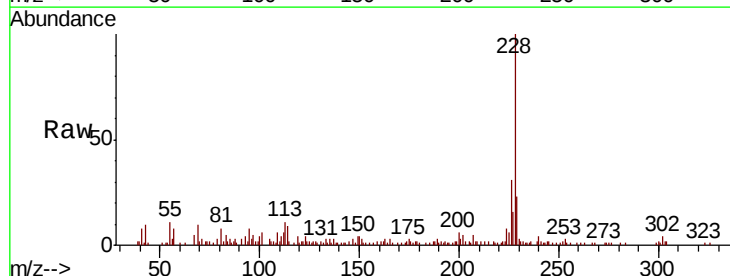


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

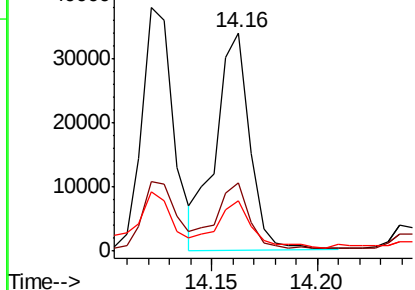
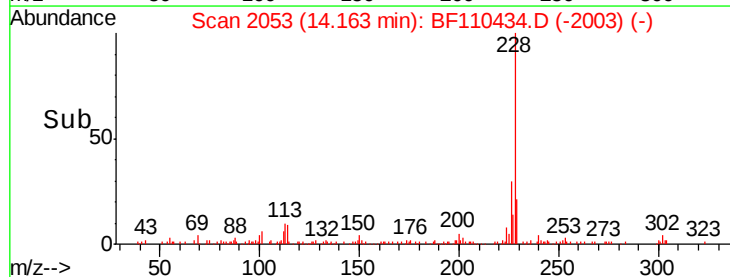


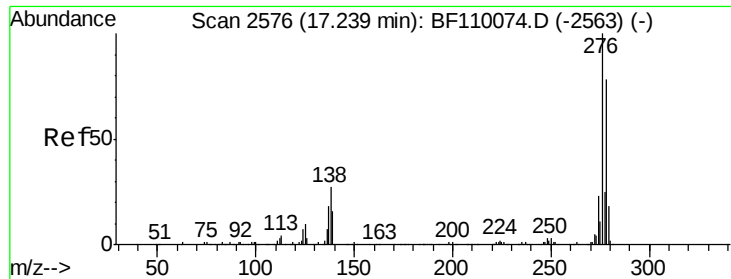
#83
Chrysene
Concen: 4.907 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF110434.D
Acq: 3 Nov 2018 1:32

Tgt Ion:228 Resp: 37783
Ion Ratio Lower Upper
228 100
226 31.3 24.7 37.1
229 22.8 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

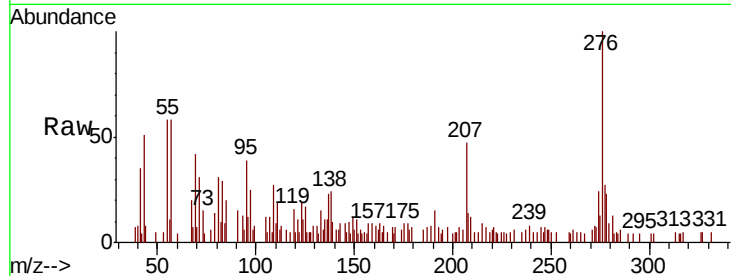




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.280 ng
 RT: 17.23 min Scan# 2574
 Delta R.T. 0.00 min
 Lab File: BF110434.D
 Acq: 3 Nov 2018 1:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.0	18.5	27.7
277	39.0	20.0	30.0

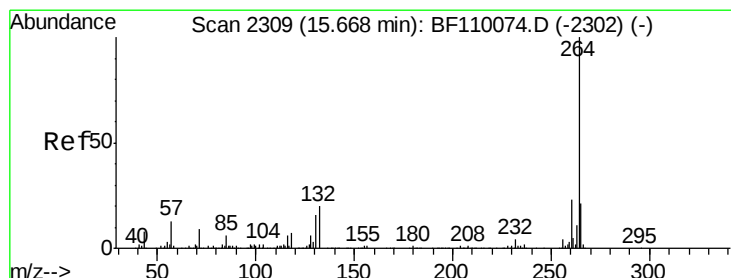
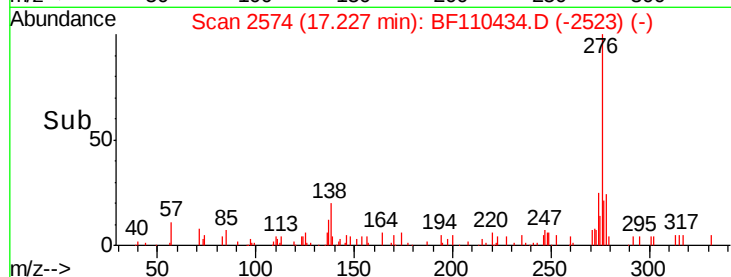
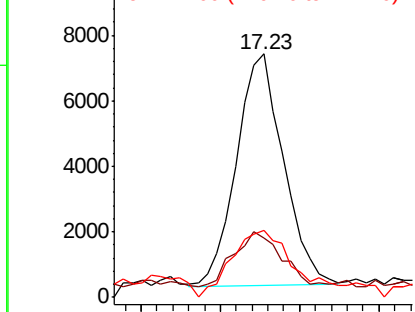


Abundance

Ion 276.00 (275.70 to 276.70): E

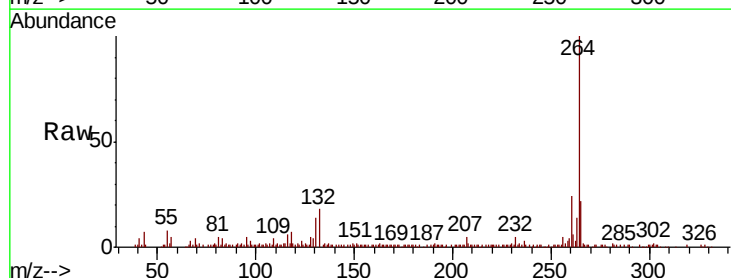
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2308
 Delta R.T. 0.01 min
 Lab File: BF110434.D
 Acq: 3 Nov 2018 1:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.7	16.7	25.1

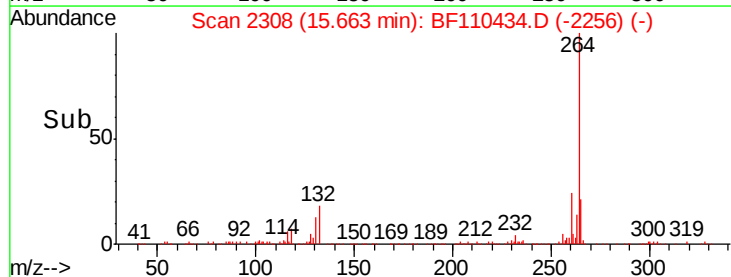
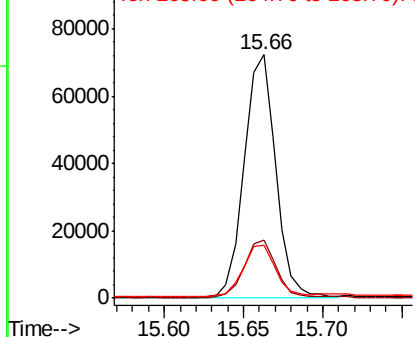


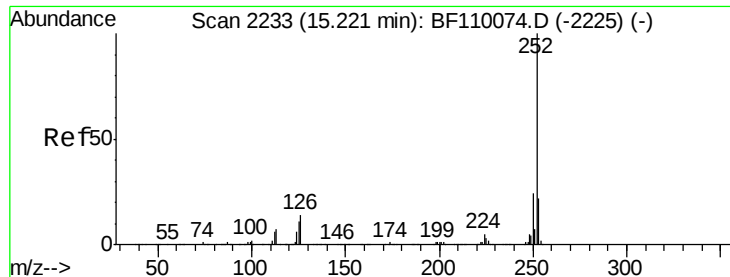
Abundance

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

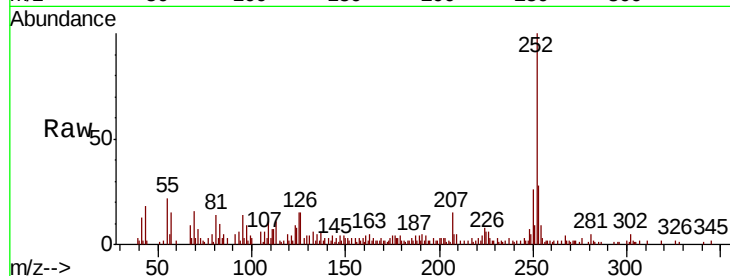




#88
Benzo(b)fluoranthene
Concen: 9.064 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110434.D
Acq: 3 Nov 2018 1:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.2	25.8#
125	15.0	8.2	12.4#

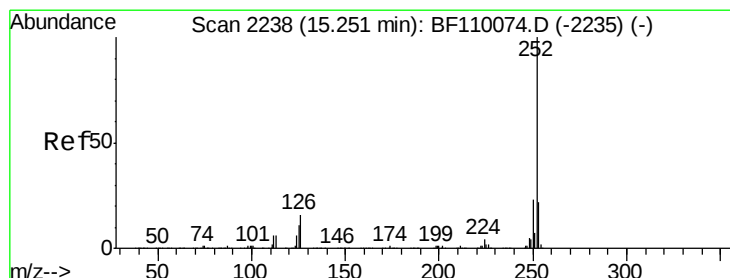
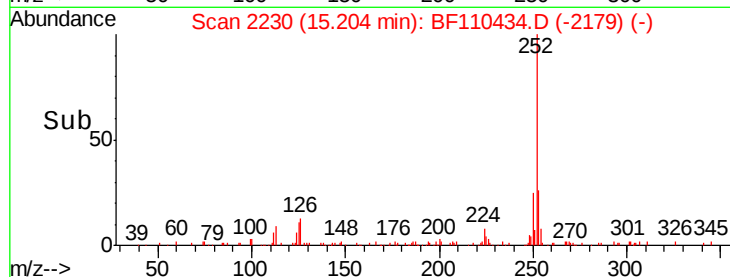
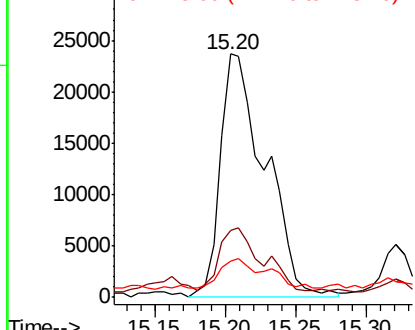


Abundance

Ion 252.00 (251.70 to 252.70): E

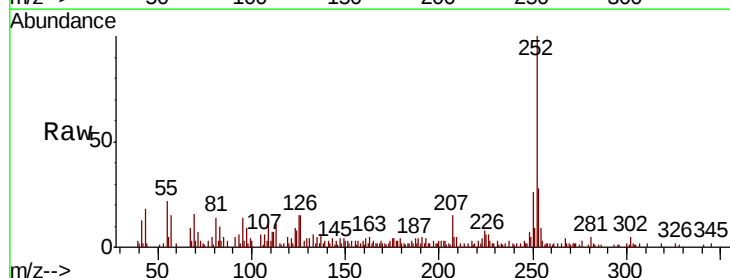
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 9.220 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110434.D
Acq: 3 Nov 2018 1:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.2	25.8#
125	15.0	7.4	11.0#

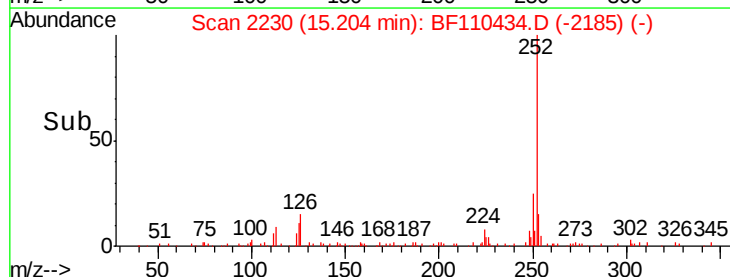
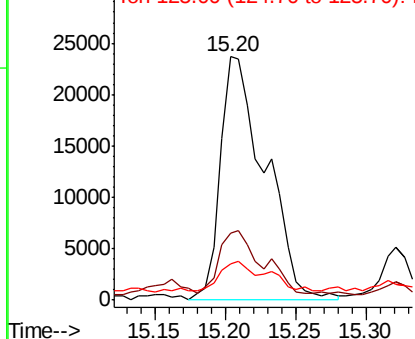


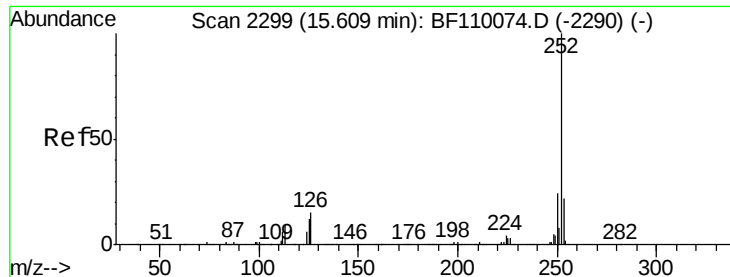
Abundance

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: 5.005 ng

RT: 15.60 min Scan# 2297

Delta R.T. 0.01 min

Lab File: BF110434.D

Acq: 3 Nov 2018 1:32

Instrument :

BNA_F

ClientSampled :

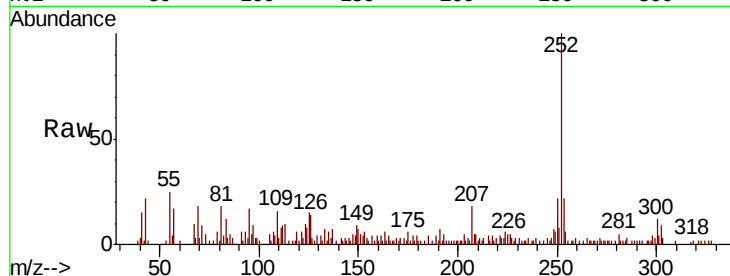
Tot Ion:252 Resp: 26725

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.4

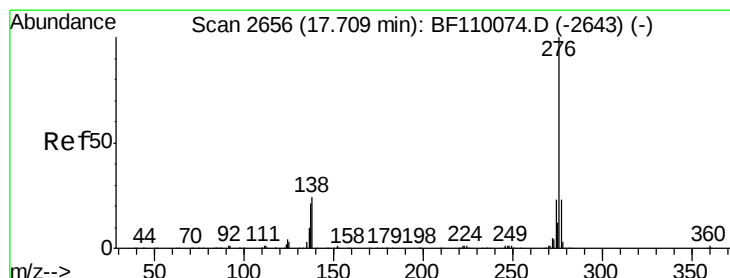
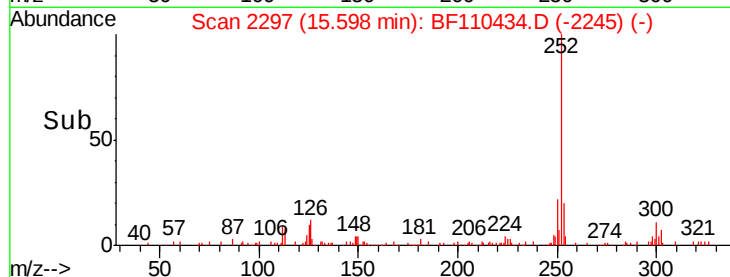
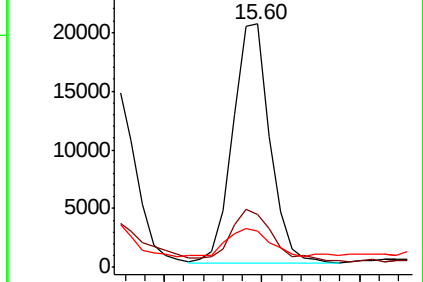
125 14.7 9.0 13.6#



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(g,h,i)perylene

Concen: 3.661 ng

RT: 17.70 min Scan# 2655

Delta R.T. 0.00 min

Lab File: BF110434.D

Acq: 3 Nov 2018 1:32

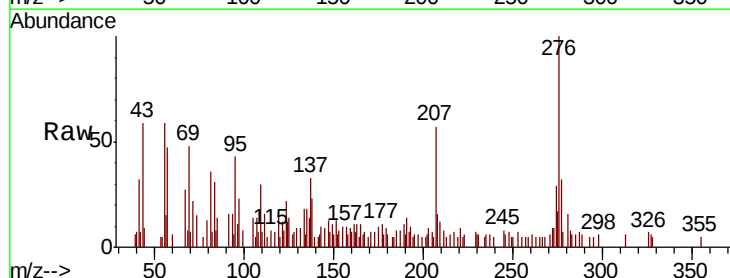
Tgt Ion:276 Resp: 16621

Ion Ratio Lower Upper

276 100

277 31.8 18.8 28.2#

138 22.7 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

