

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\
 Data File : BF110529.D
 Acq On : 6 Nov 2018 21:40
 Operator : JU/SJ
 Sample : J5764-03 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 07 08:45:42 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

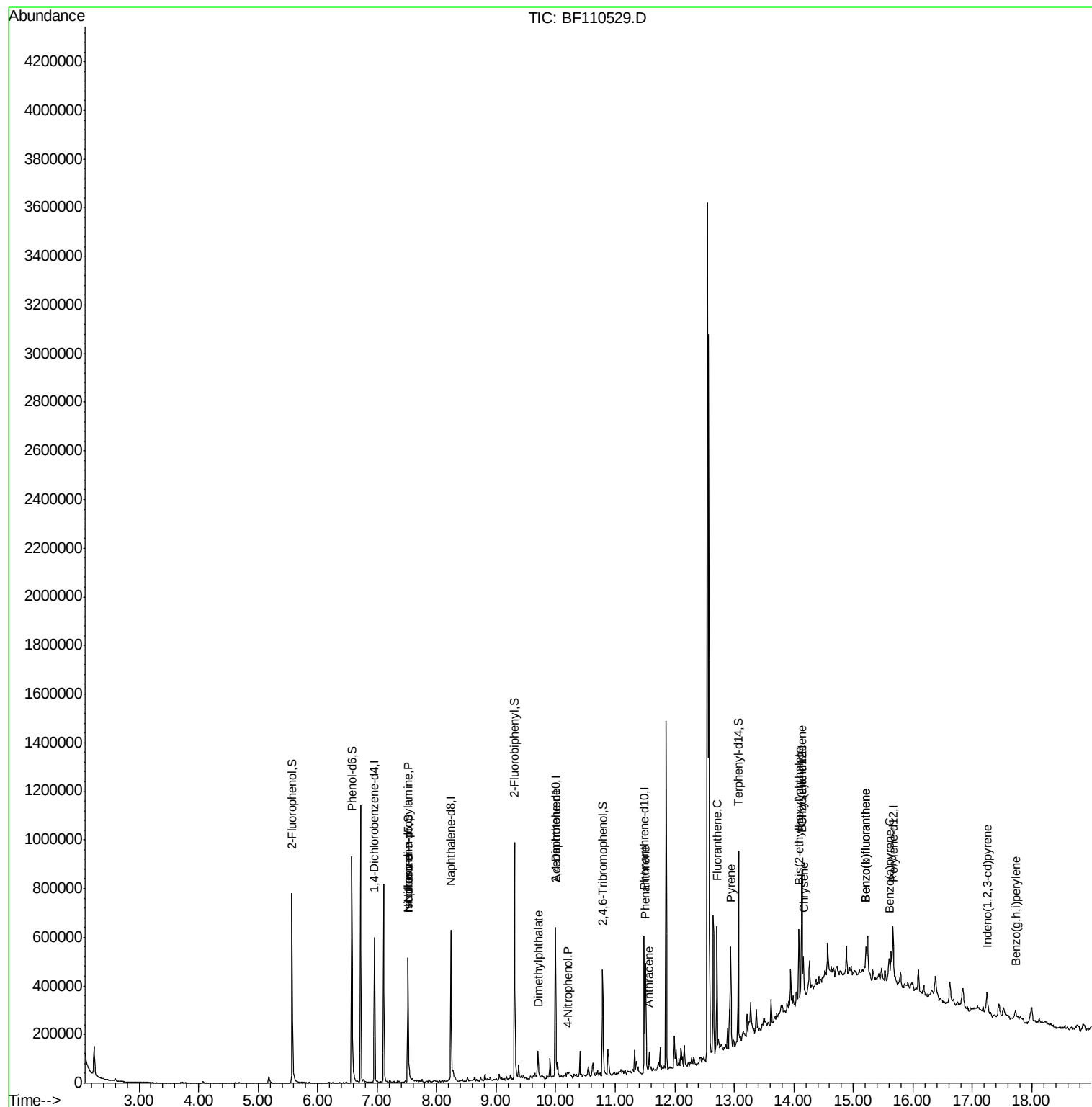
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	90962	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	351126	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	136656	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	211996	20.00	ng	0.00
76) Chrysene-d12	14.14	240	160879	20.00	ng	0.00
87) Perylene-d12	15.67	264	109714	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	250663	44.88	ng	0.00
7) Phenol-d6	6.57	99	321064	44.94	ng	0.00
23) Nitrobenzene-d5	7.52	82	185379	31.31	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	51365	37.95	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	338743	38.92	ng	0.00
79) Terphenyl-d14	13.07	244	241539	31.22	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.52	70	25629	5.59	ng	# 79
25) Isophorone	7.52	82	185403	18.37	ng	# 67
50) Dimethylphthalate	9.70	163	44644	4.43	ng	99
56) 4-Nitrophenol	10.20	139	4250	2.22	ng	# 17
57) 2,4-Dinitrotoluene	9.99	165	18127	6.57	ng	# 17
71) Phenanthrene	11.51	178	165453	14.92	ng	98
72) Anthracene	11.56	178	38030	3.42	ng	96
75) Fluoranthene	12.70	202	195907	17.40	ng	100
77) Benzidine	12.82	184	398	Below Cal	#	1
78) Pyrene	12.94	202	163634	14.19	ng	98
81) Benzo(a)anthracene	14.13	228	73074	7.66	ng	95
83) Chrysene	14.16	228	59987	6.62	ng	97
84) Bis(2-ethylhexyl)phthalate	14.09	149	81373	12.02	ng	# 97
86) Indeno(1,2,3-cd)pyrene	17.24	276	20782	2.76	ng	99
88) Benzo(b)fluoranthene	15.21	252	75229	11.87	ng	# 79
89) Benzo(k)fluoranthene	15.21	252	75229	12.08	ng	# 78
90) Benzo(a)pyrene	15.60	252	37462	6.43	ng	# 90
92) Benzo(g,h,i)perylene	17.72	276	22684	4.58	ng	# 94

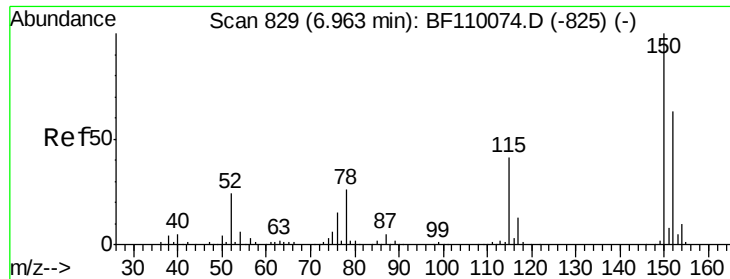
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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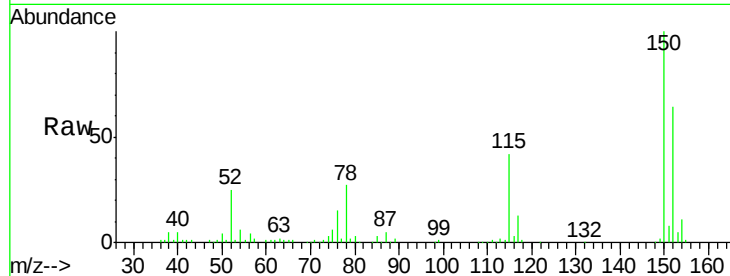


#1

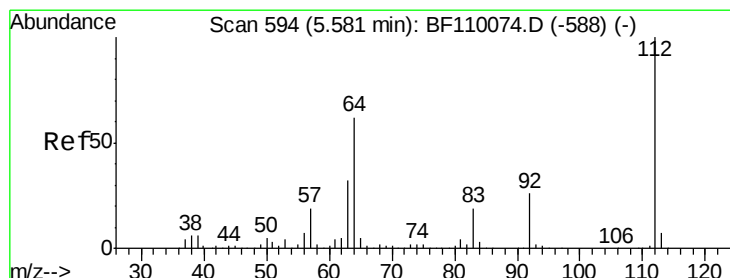
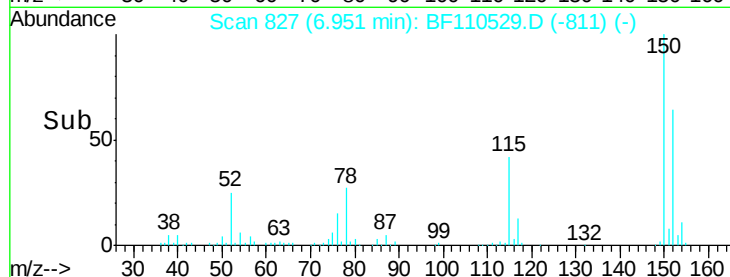
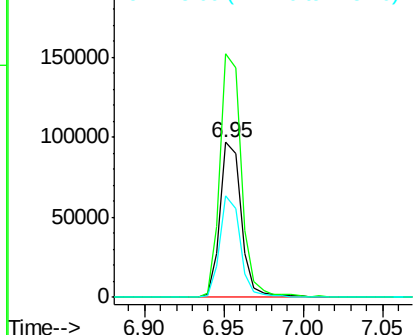
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110529.D
Acq: 6 Nov 2018 21:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 90962
Ion Ratio Lower Upper
152 100
150 157.0 122.7 184.1
115 65.2 49.1 73.7



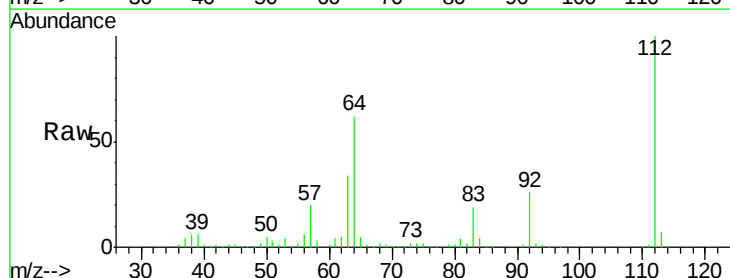
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



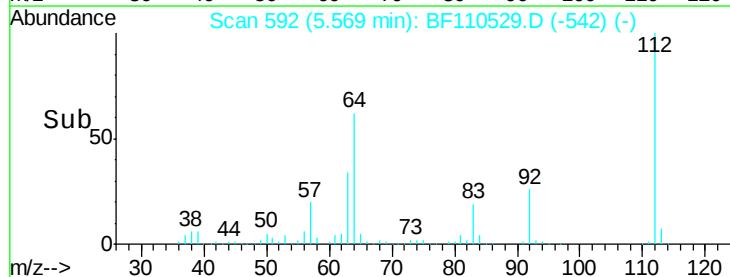
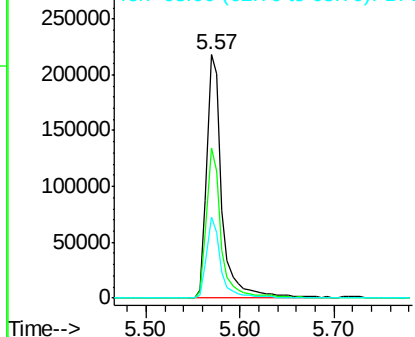
#5

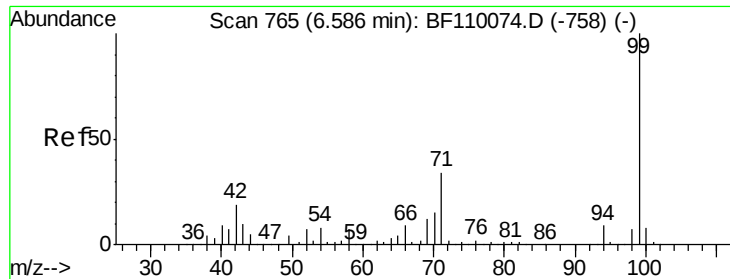
2-Fluorophenol
Concen: 44.88 ng
RT: 5.57 min Scan# 592
Delta R.T. -0.01 min
Lab File: BF110529.D
Acq: 6 Nov 2018 21:40

Tgt Ion:112 Resp: 250663
Ion Ratio Lower Upper
112 100
64 61.6 44.1 66.1
63 33.5 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: 44.94 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110529.D

Acq: 6 Nov 2018 21:40

Instrument :

BNA_F

ClientSampled :

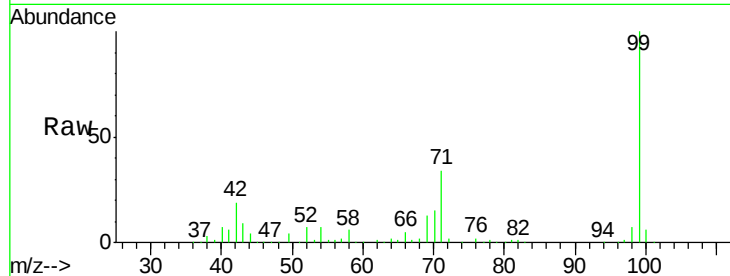
Tot Ion: 99 Resp: 321064

Ion Ratio Lower Upper

99 100

42 18.9 15.8 23.6

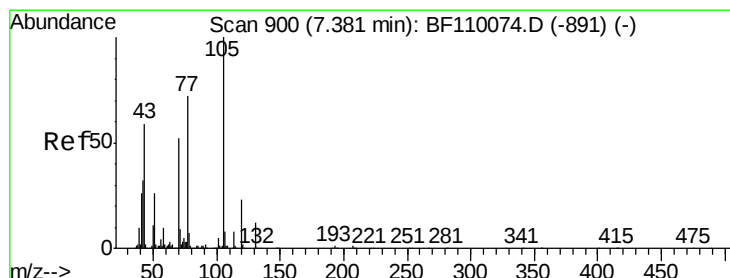
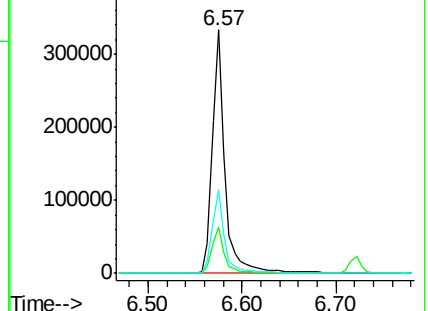
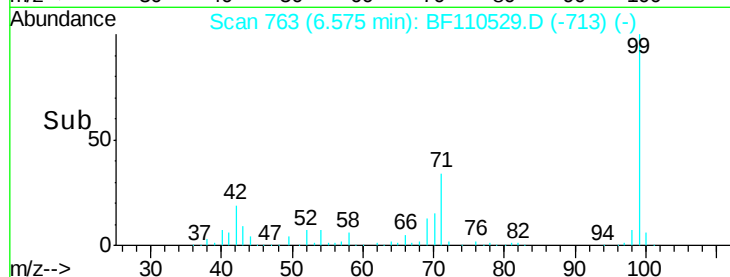
71 34.2 28.0 42.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.59 ng

RT: 7.52 min Scan# 923

Delta R.T. 0.15 min

Lab File: BF110529.D

Acq: 6 Nov 2018 21:40

Tgt Ion: 70 Resp: 25629

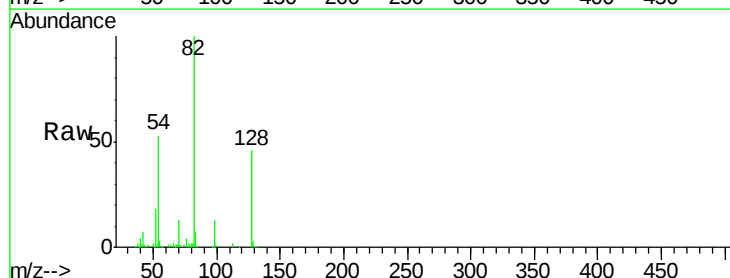
Ion Ratio Lower Upper

70 100

42 48.9 47.4 71.2

101 0.0 7.3 10.9#

130 1.8 16.2 24.2#

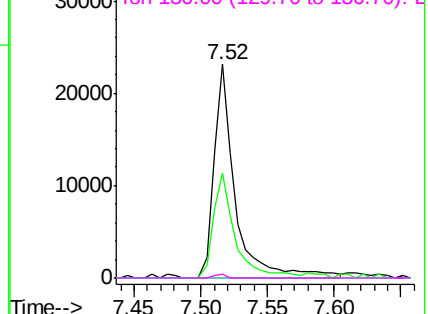
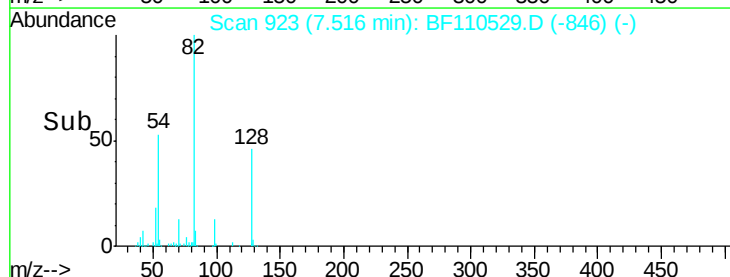


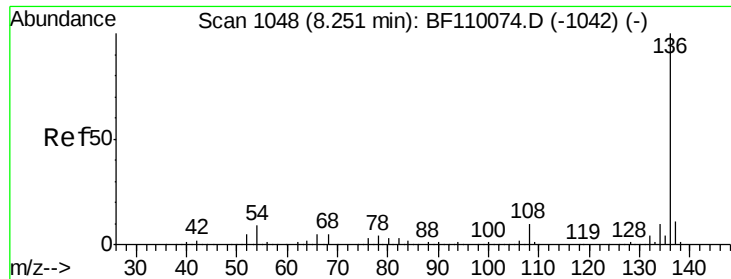
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

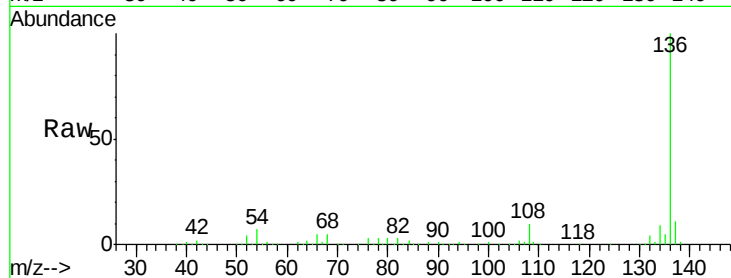




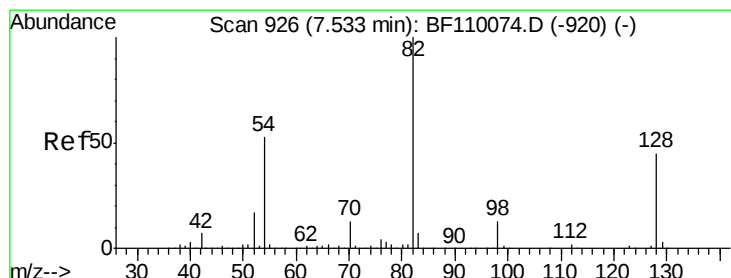
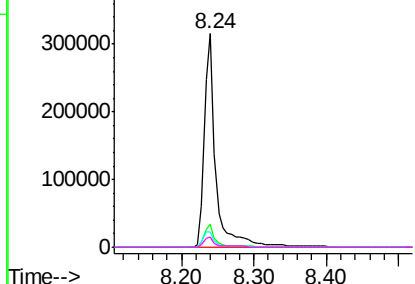
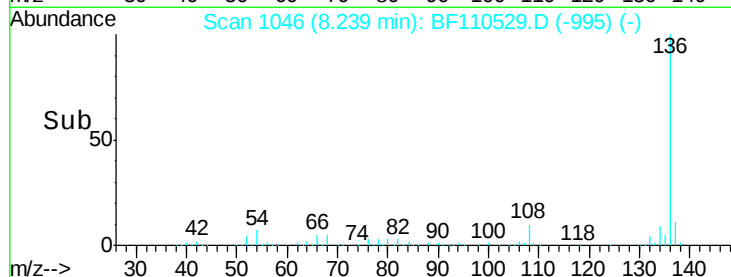
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110529.D
Acq: 6 Nov 2018 21:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	351126
Ion Ratio	Lower	Upper
136	100	
137	10.5	8.8 13.2
54	7.4	5.4 8.2
68	4.7	4.2 6.2

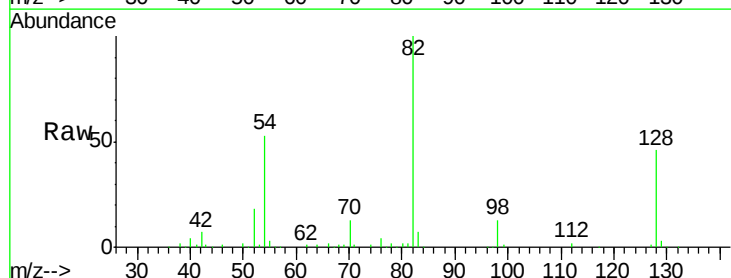


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

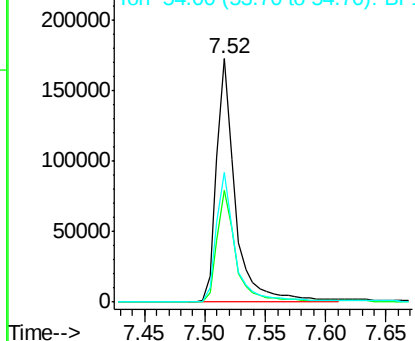
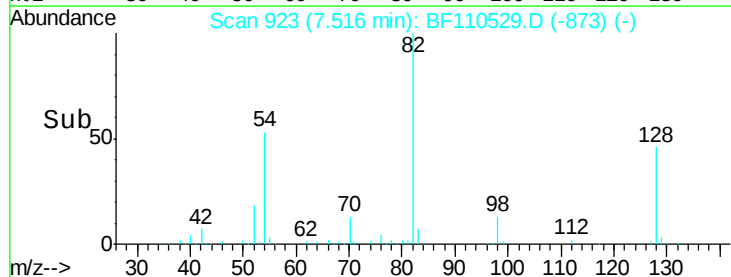


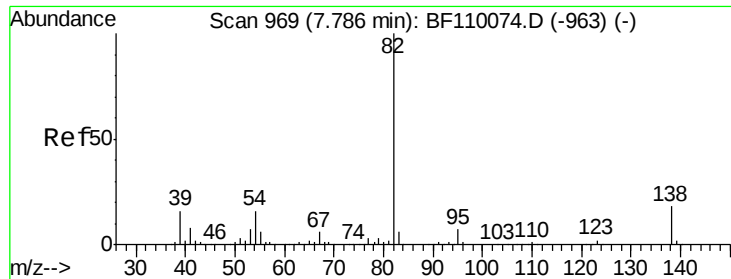
#23
Nitrobenzene-d5
Concen: 31.31 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110529.D
Acq: 6 Nov 2018 21:40

Tgt Ion: 82	Resp:	185379
Ion Ratio	Lower	Upper
82	100	
128	45.8	34.2 51.2
54	53.1	38.6 58.0



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

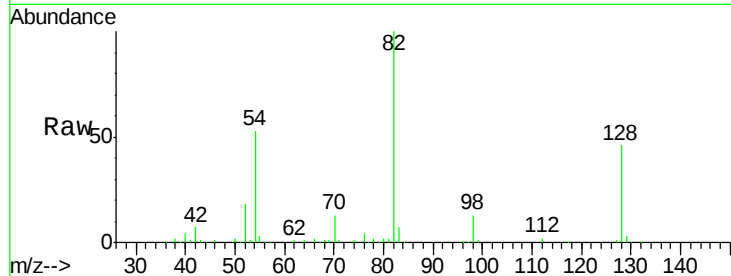




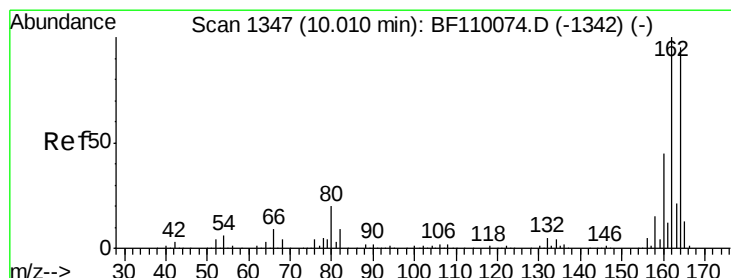
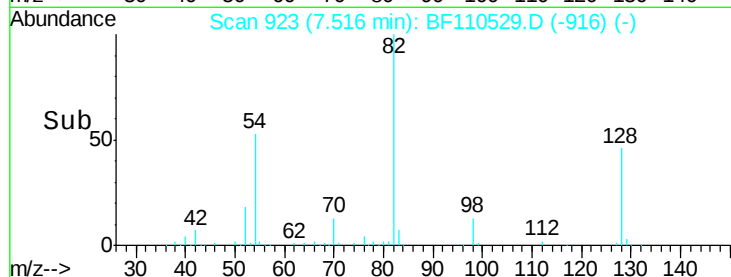
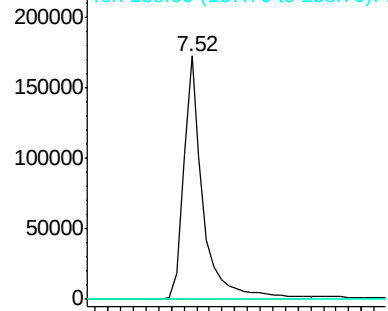
#25
Isophorone
Concen: 18.37 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.26 min
Lab File: BF110529.D
Acq: 6 Nov 2018 21:40

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 185403
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#

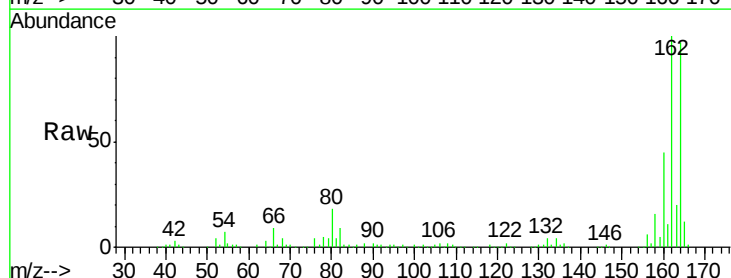


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

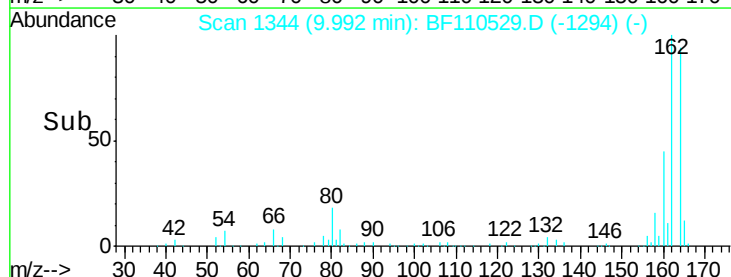
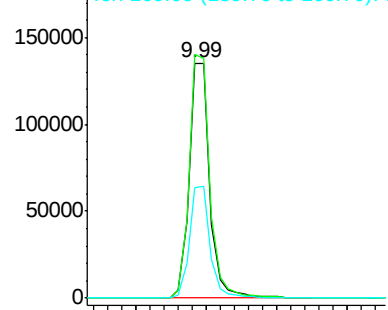


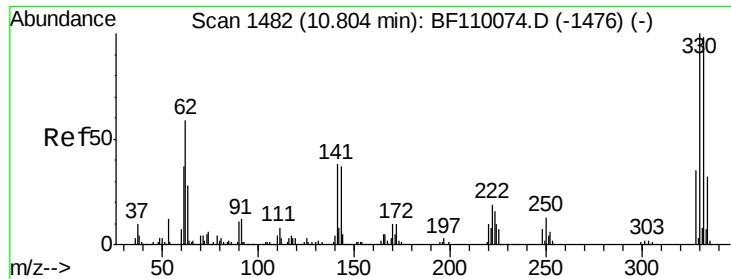
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF110529.D
Acq: 6 Nov 2018 21:40

Tgt Ion:164 Resp: 136656
Ion Ratio Lower Upper
164 100
162 103.5 83.0 124.6
160 46.9 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





#42

2,4,6-Tribromophenol

Concen: 37.95 ng

RT: 10.79 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BF110529.D

Acq: 6 Nov 2018 21:40

Instrument :

BNA_F

ClientSampleId :

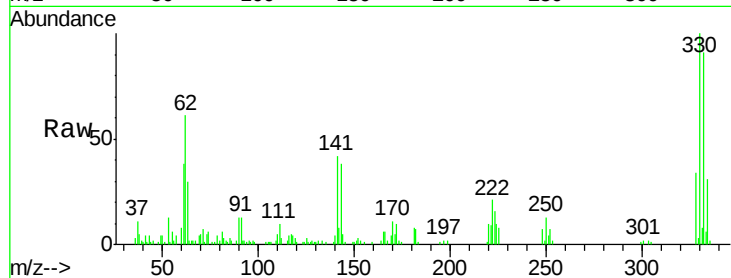
Tot Ion:330 Resp: 51365

Ion Ratio Lower Upper

330 100

332 94.7 77.1 115.7

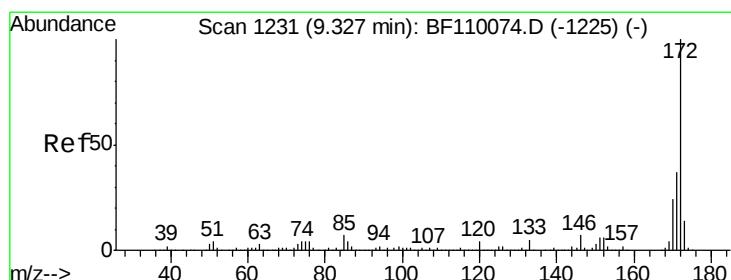
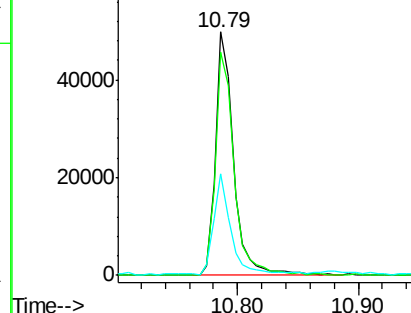
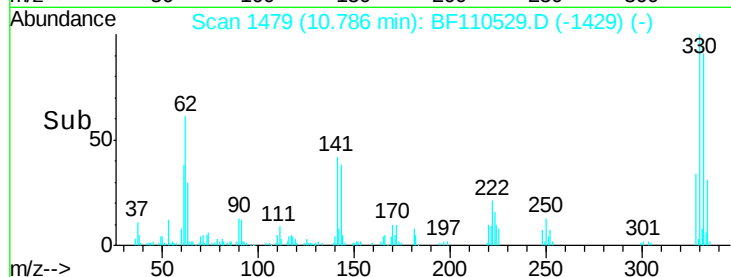
141 39.4 27.0 40.4



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: 38.92 ng

RT: 9.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: BF110529.D

Acq: 6 Nov 2018 21:40

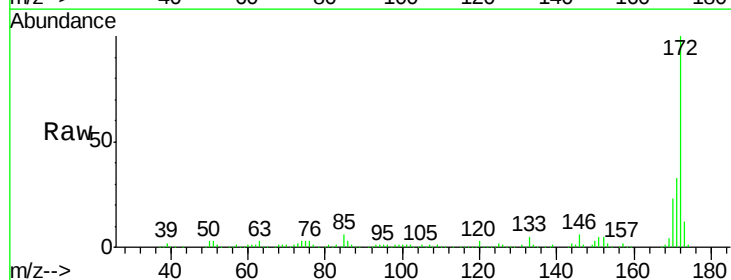
Tgt Ion:172 Resp: 338743

Ion Ratio Lower Upper

172 100

171 33.4 28.6 43.0

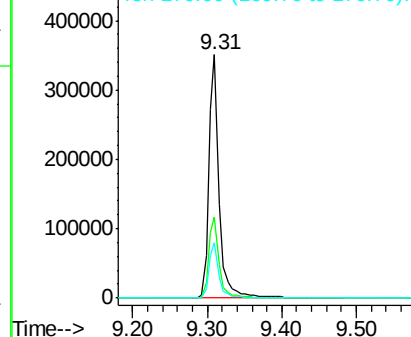
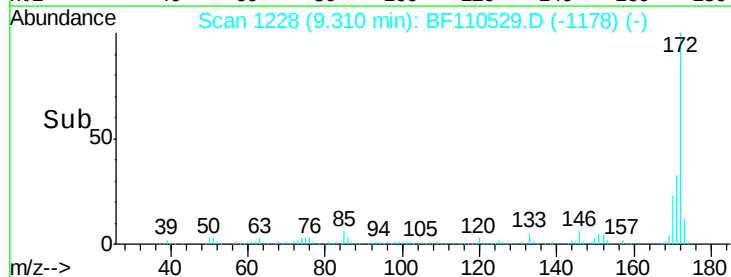
170 23.0 19.7 29.5

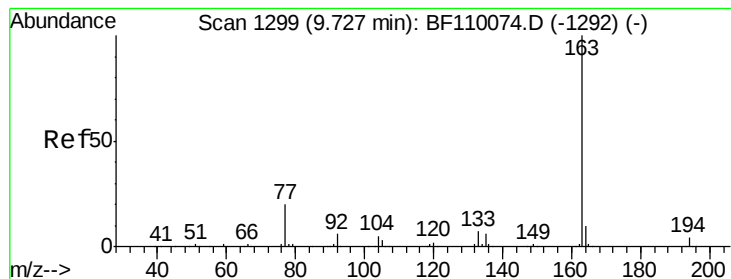


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.43 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF110529.D

Acq: 6 Nov 2018 21:40

Instrument :

BNA_F

ClientSampleId :

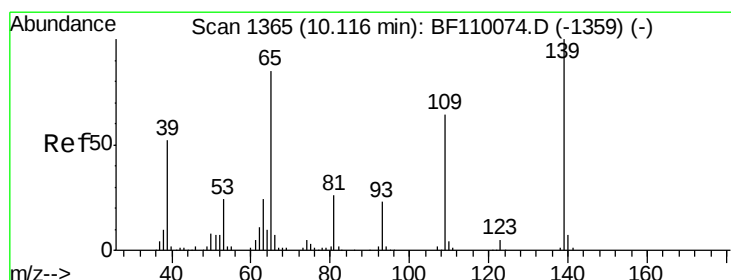
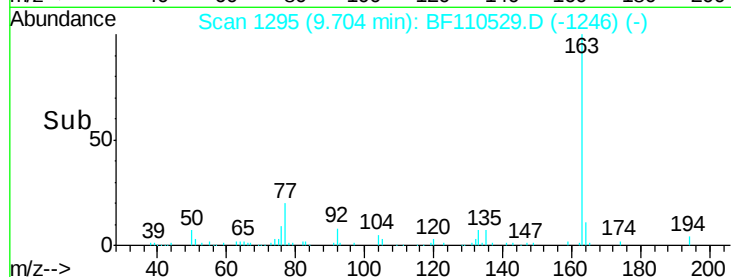
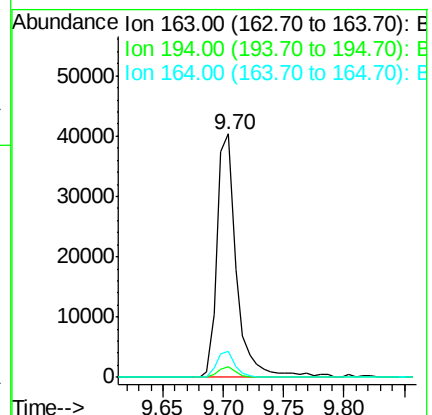
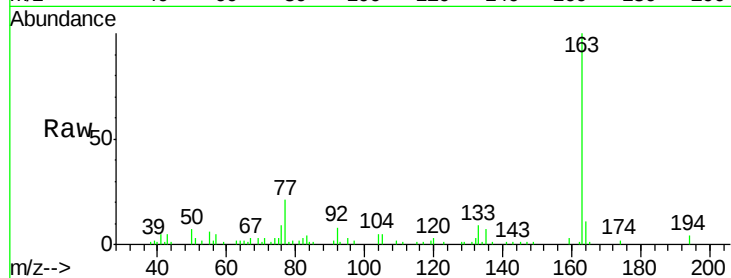
Tot Ion:163 Resp: 44644

Ion Ratio Lower Upper

163 100

194 4.4 3.2 4.8

164 10.7 8.1 12.1



#56

4-Nitrophenol

Concen: 2.22 ng

RT: 10.20 min Scan# 1380

Delta R.T. 0.09 min

Lab File: BF110529.D

Acq: 6 Nov 2018 21:40

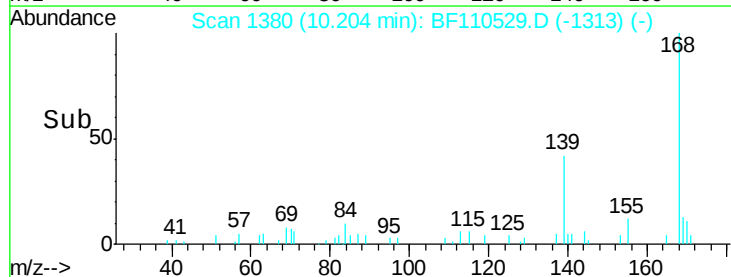
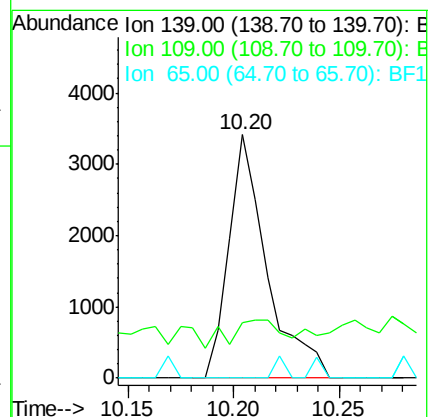
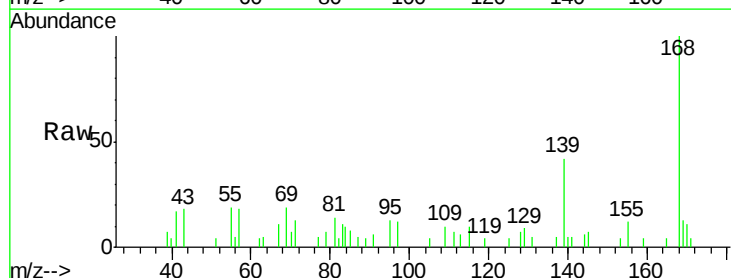
Tgt Ion:139 Resp: 4250

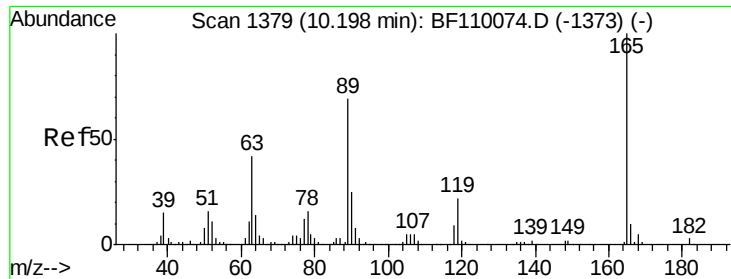
Ion Ratio Lower Upper

139 100

109 23.0 55.8 95.8#

65 0.0 77.9 117.9#

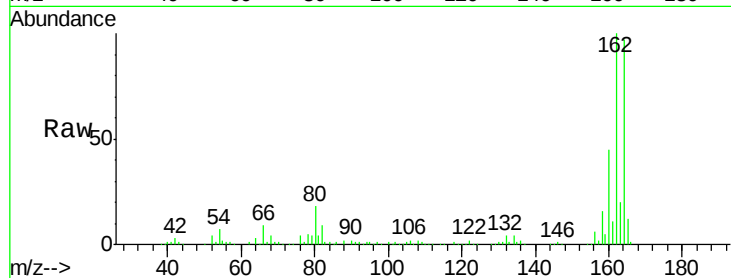




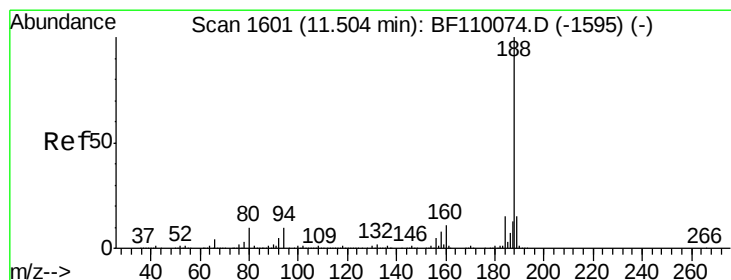
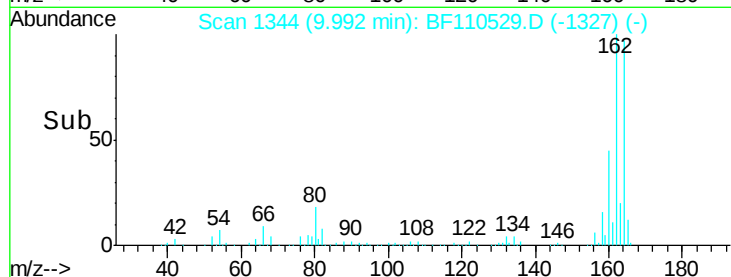
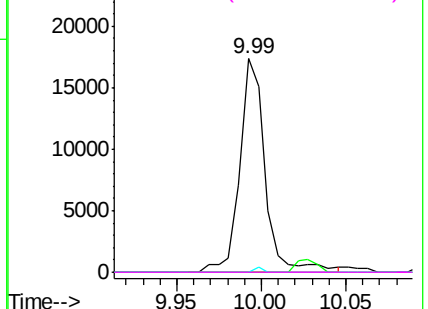
#57
 2,4-Dinitrotoluene
 Concen: 6.57 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.20 min
 Lab File: BF110529.D
 Acq: 6 Nov 2018 21:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	18127
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#

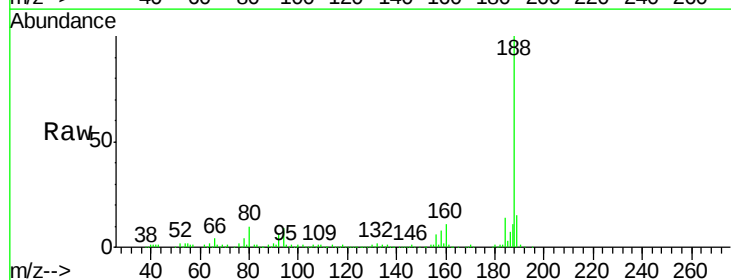


Abundance Ion 165.00 (164.70 to 165.70): E

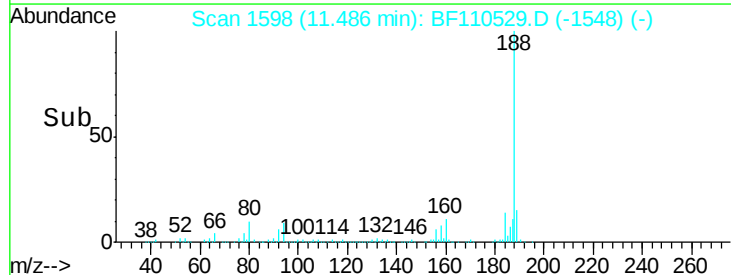
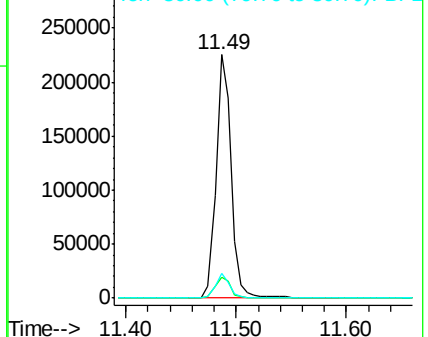


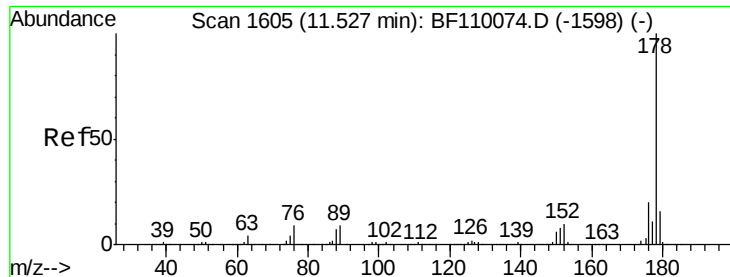
#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF110529.D
 Acq: 6 Nov 2018 21:40

Tgt Ion:	188	Resp:	211996
Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.2	10.8
80	9.9	7.9	11.9



Abundance Ion 188.00 (187.70 to 188.70): E

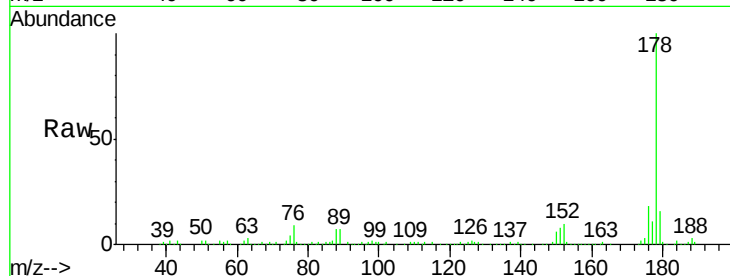




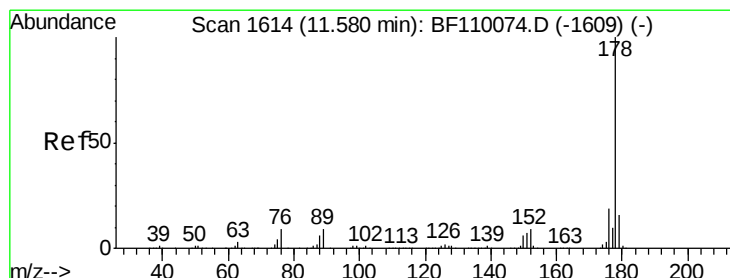
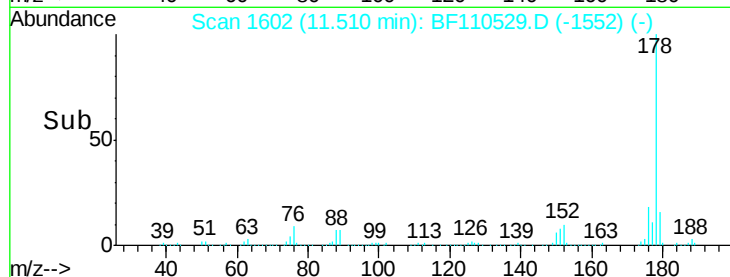
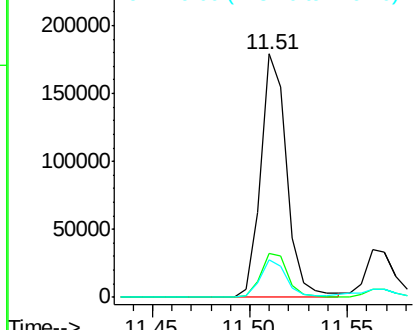
#71
Phenanthrene
Concen: 14.92 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF110529.D
Acq: 6 Nov 2018 21:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 165453
Ion Ratio Lower Upper
178 100
176 18.2 15.5 23.3
179 15.7 12.5 18.7

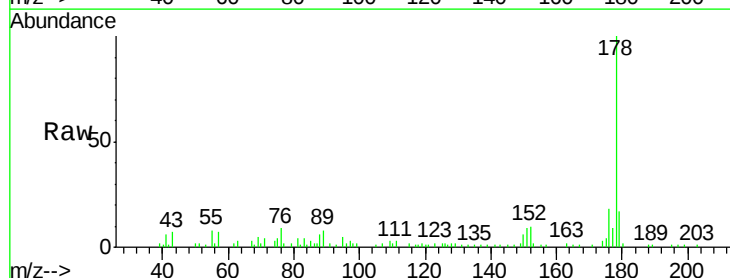


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

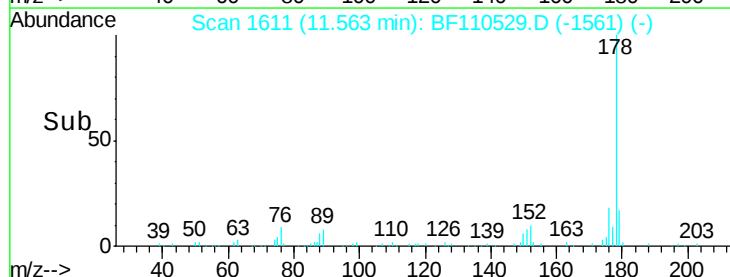
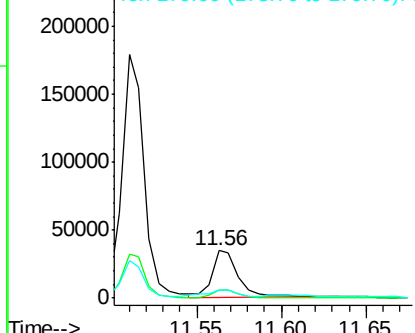


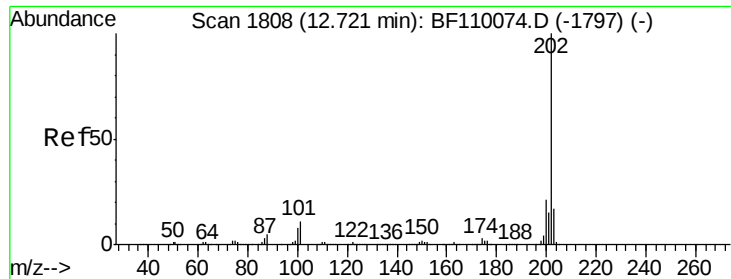
#72
Anthracene
Concen: 3.42 ng
RT: 11.56 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BF110529.D
Acq: 6 Nov 2018 21:40

Tgt Ion:178 Resp: 38030
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.2
179 17.4 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: 17.40 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF110529.D

Acq: 6 Nov 2018 21:40

Instrument :

BNA_F

ClientSampled :

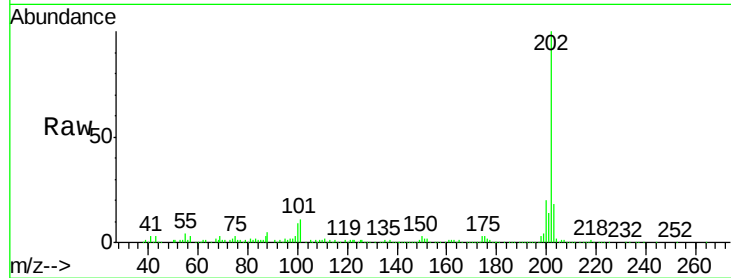
Tot Ion:202 Resp: 195907

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.4

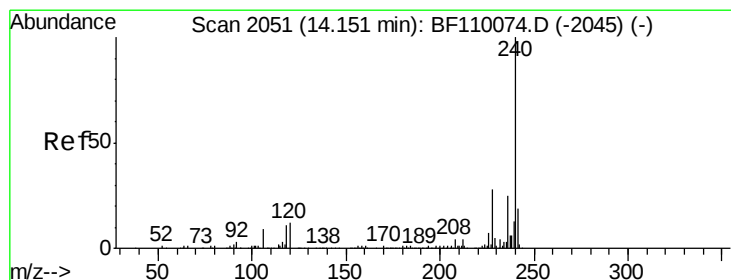
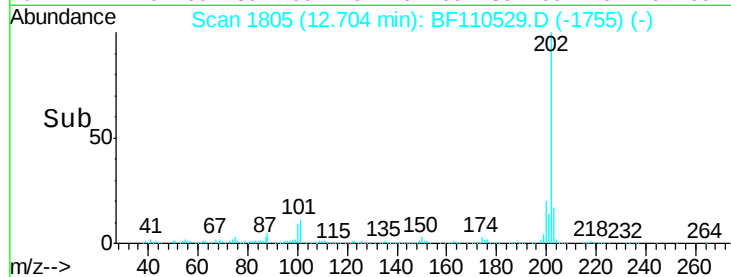
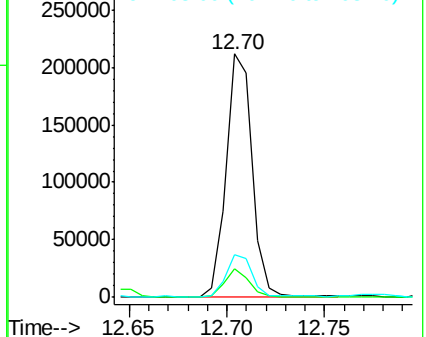
203 17.6 0.0 37.7



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: 20.00 ng

RT: 14.14 min Scan# 2049

Delta R.T. 0.00 min

Lab File: BF110529.D

Acq: 6 Nov 2018 21:40

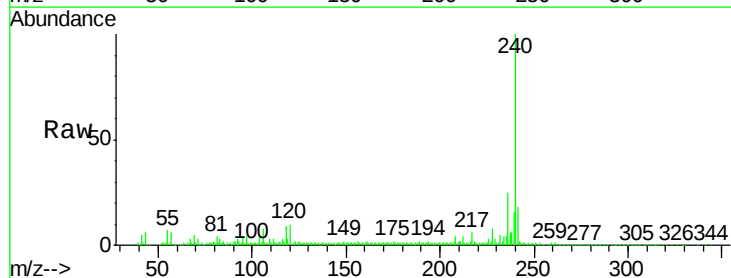
Tgt Ion:240 Resp: 160879

Ion Ratio Lower Upper

240 100

120 10.5 8.3 12.5

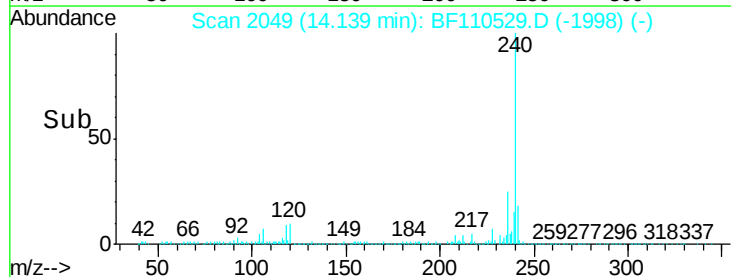
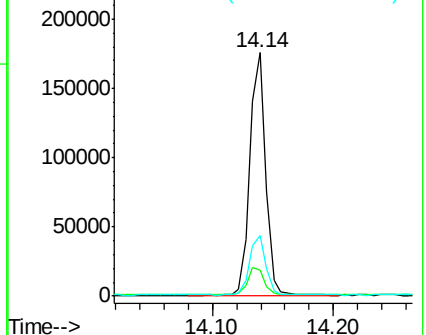
236 25.1 21.2 31.8

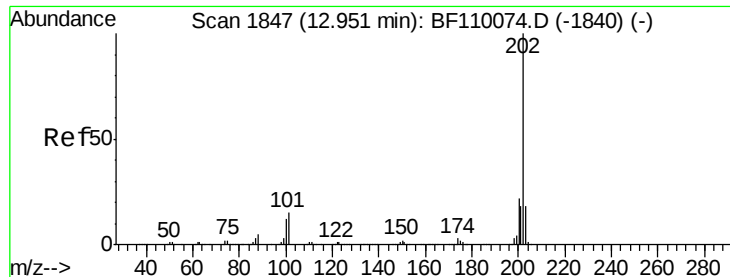


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

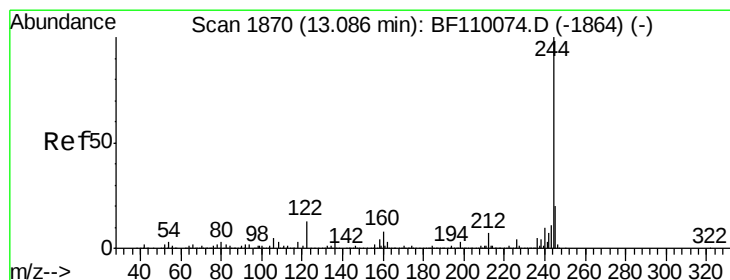
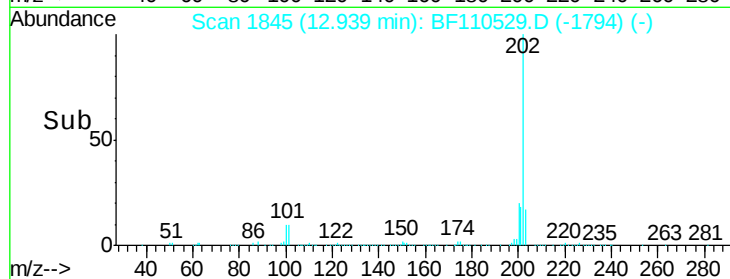
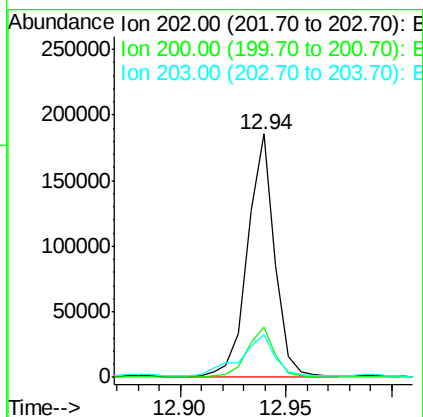
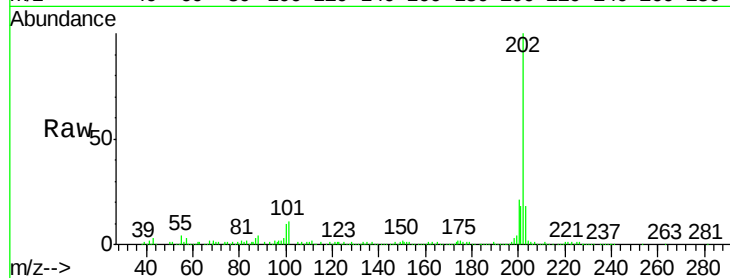




#78
Pvrene
Concen: 14.19 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF110529.D
Acq: 6 Nov 2018 21:40

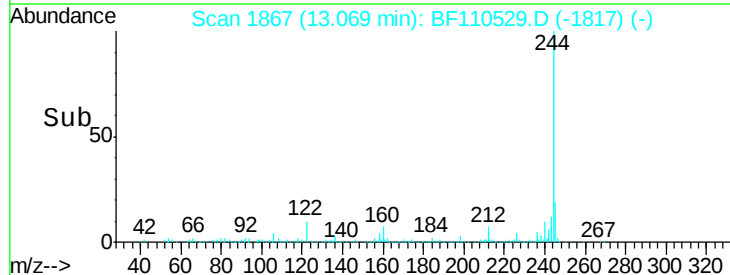
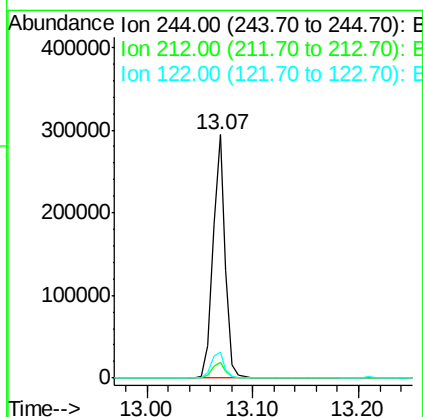
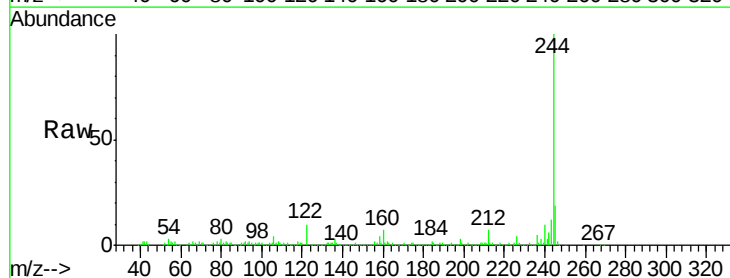
Instrument :
BNA_F
ClientSampleId :

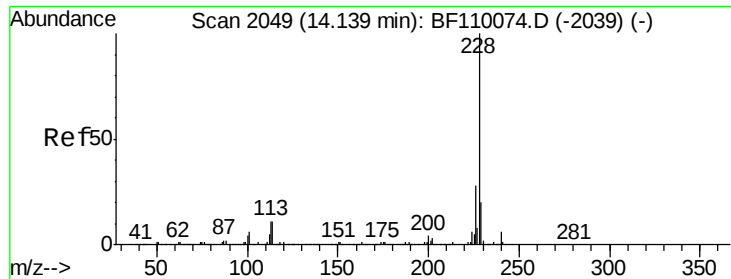
Tot Ion:202 Resp: 163634
Ion Ratio Lower Upper
202 100
200 20.8 17.8 26.6
203 17.5 14.2 21.4



#79
Terphenyl-d14
Concen: 31.22 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF110529.D
Acq: 6 Nov 2018 21:40

Tgt Ion:244 Resp: 241539
Ion Ratio Lower Upper
244 100
212 6.7 5.8 8.8
122 10.4 8.7 13.1

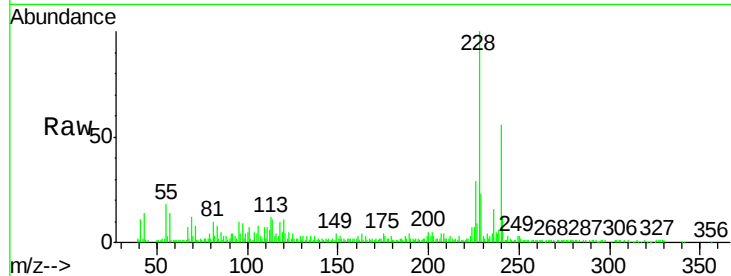




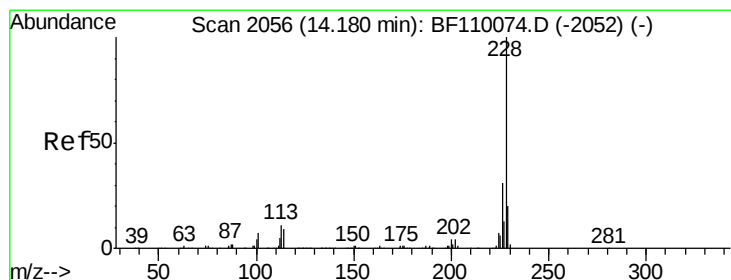
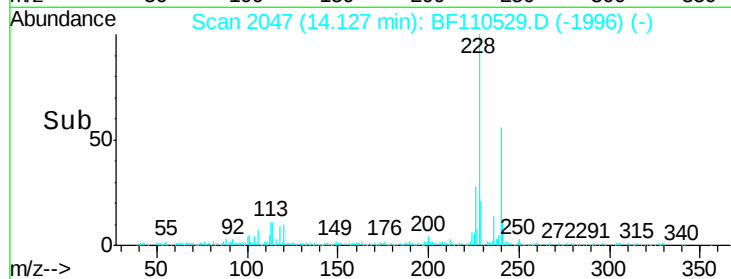
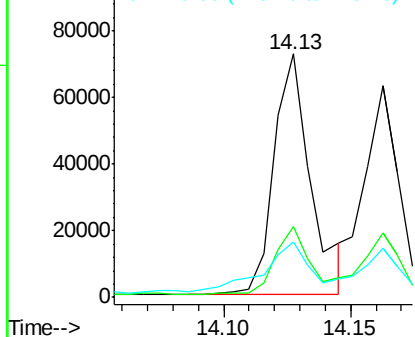
#81
Benzo(a)anthracene
Concen: 7.66 ng
RT: 14.13 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BF110529.D
Acq: 6 Nov 2018 21:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 73074
Ion Ratio Lower Upper
228 100
226 29.0 22.1 33.1
229 23.0 15.6 23.4

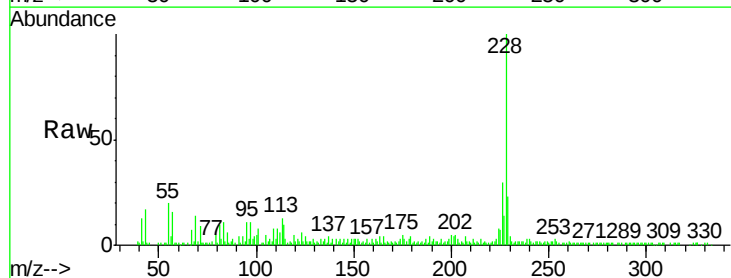


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

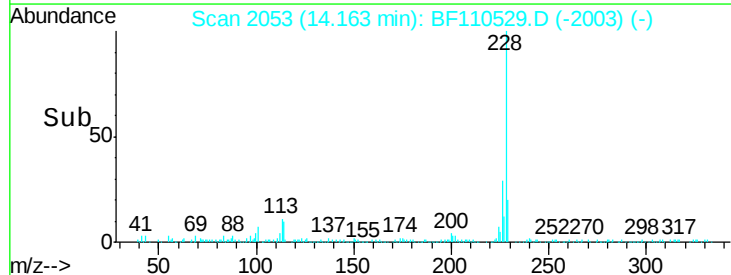
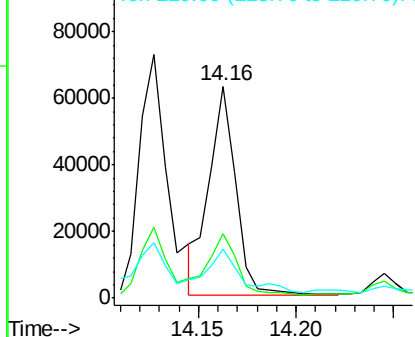


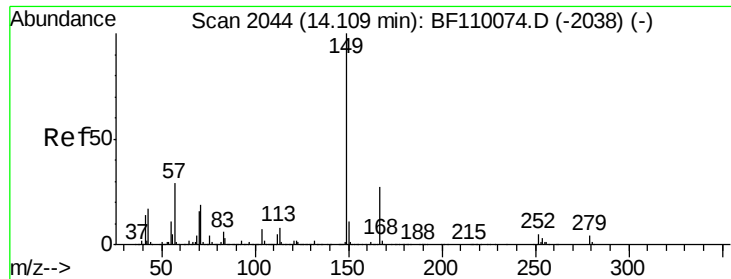
#83
Chrysene
Concen: 6.62 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF110529.D
Acq: 6 Nov 2018 21:40

Tgt Ion:228 Resp: 59987
Ion Ratio Lower Upper
228 100
226 30.1 24.7 37.1
229 22.9 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





#84

Bis(2-ethylhexyl)phthalate

Concen: 12.02 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF110529.D

Acq: 6 Nov 2018 21:40

Instrument :

BNA_F

ClientSampleId :

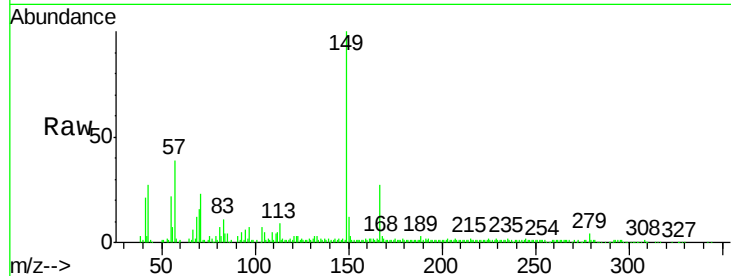
Tot Ion:149 Resp: 81373

Ion Ratio Lower Upper

149 100

167 26.5 19.8 29.8

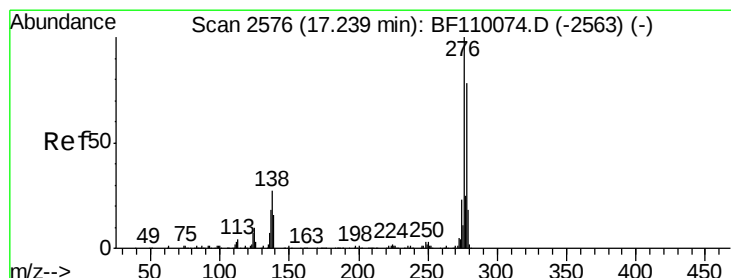
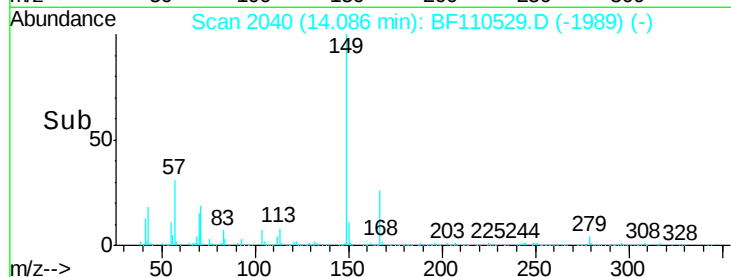
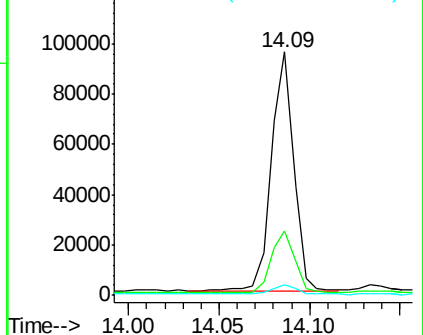
279 4.2 2.7 4.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.76 ng

RT: 17.24 min Scan# 2576

Delta R.T. 0.01 min

Lab File: BF110529.D

Acq: 6 Nov 2018 21:40

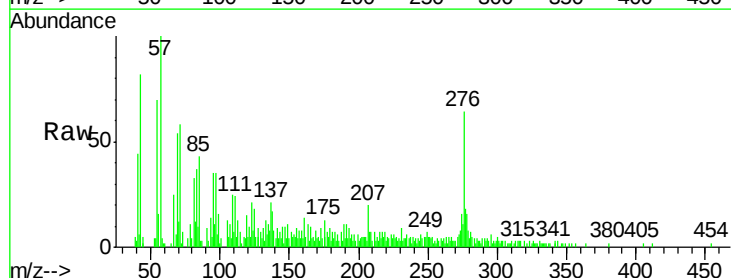
Tgt Ion:276 Resp: 20782

Ion Ratio Lower Upper

276 100

138 22.9 18.5 27.7

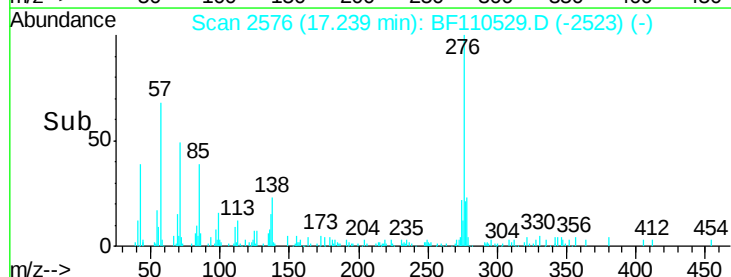
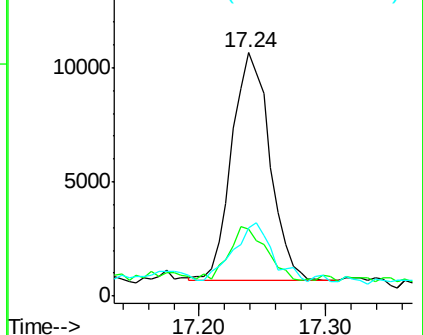
277 25.4 20.0 30.0

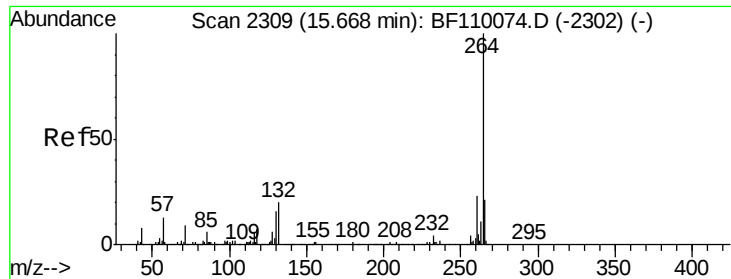


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.00 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.01 min

Lab File: BF110529.D

Acq: 6 Nov 2018 21:40

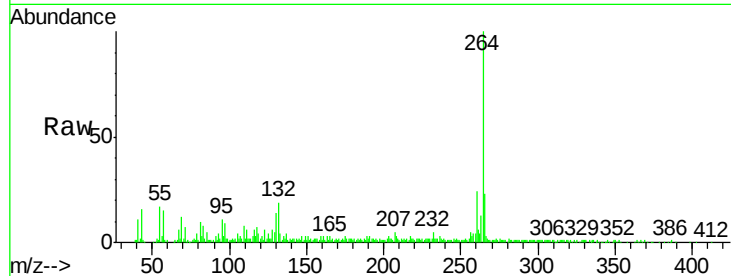
Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 109714

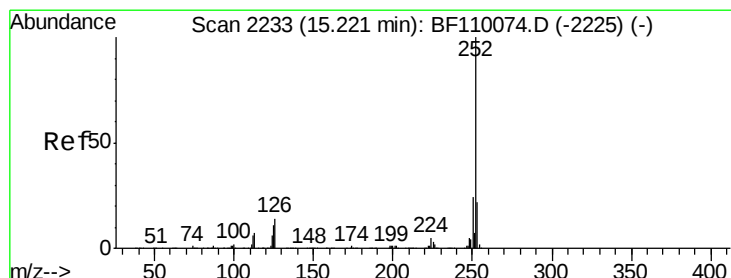
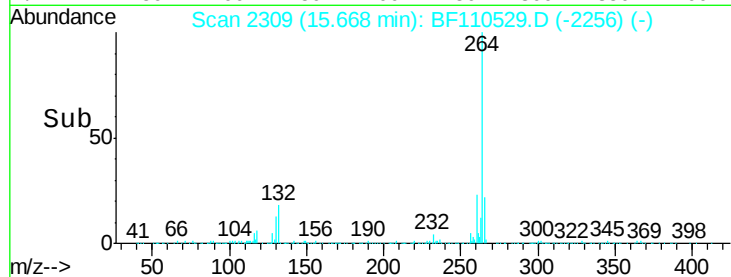
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	23.0	16.7	25.1



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 11.87 ng

RT: 15.21 min Scan# 2231

Delta R.T. 0.01 min

Lab File: BF110529.D

Acq: 6 Nov 2018 21:40

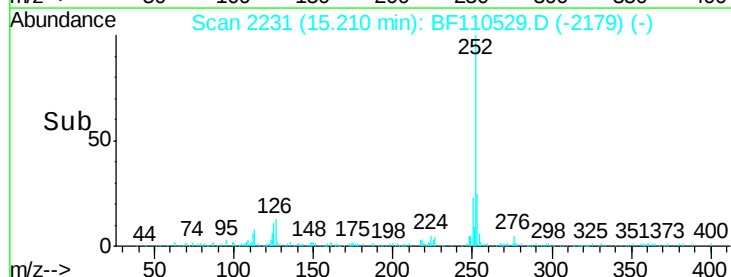
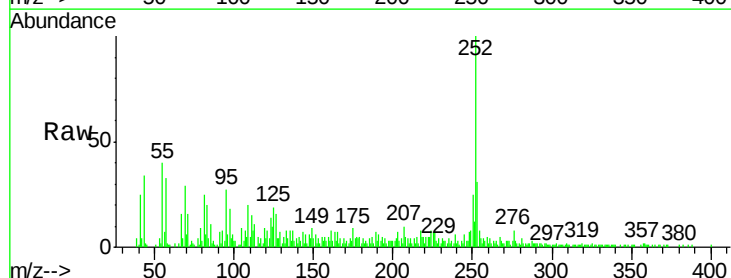
Tgt Ion:252 Resp: 75229

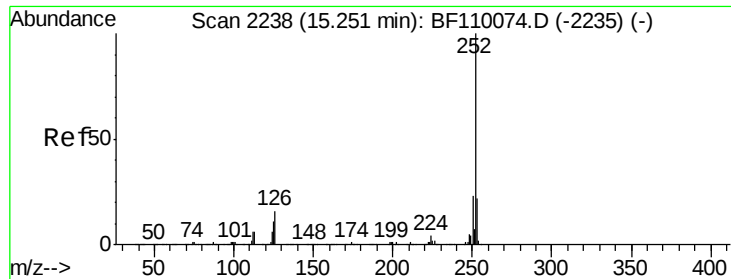
Ion	Ratio	Lower	Upper
252	100		
253	30.9	17.2	25.8#
125	19.4	8.2	12.4#

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

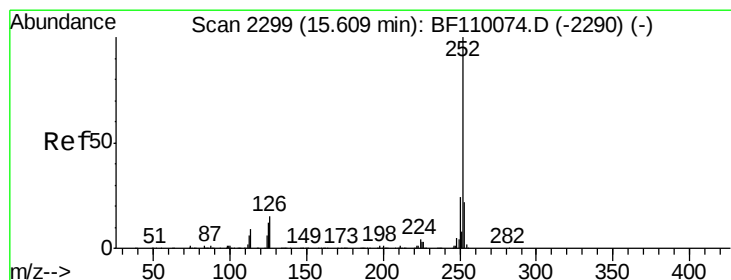
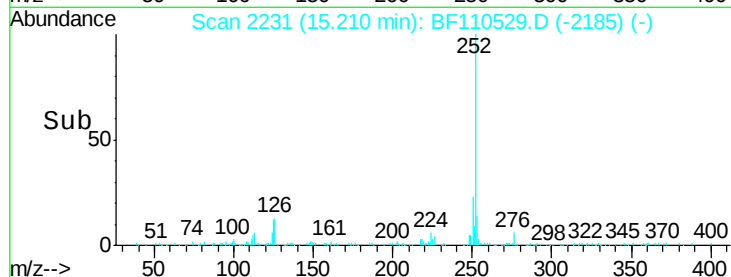
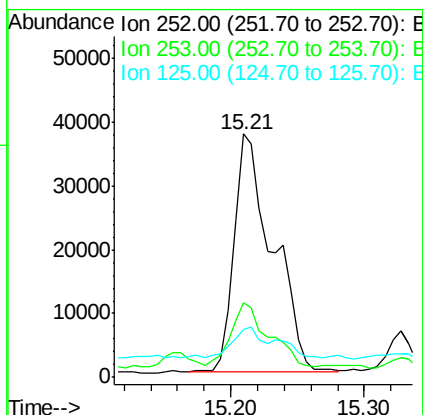
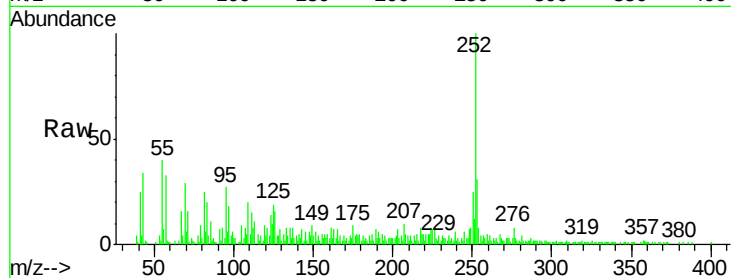




#89
Benzo(k)fluoranthene
Concen: 12.08 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.03 min
Lab File: BF110529.D
Acq: 6 Nov 2018 21:40

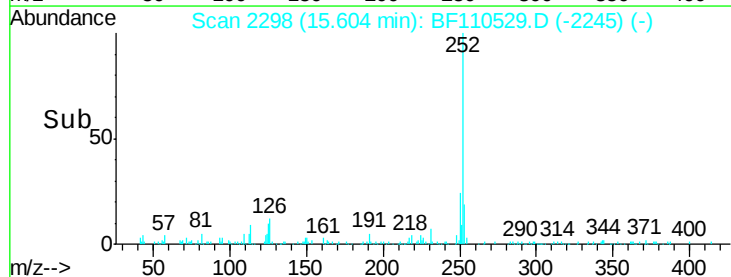
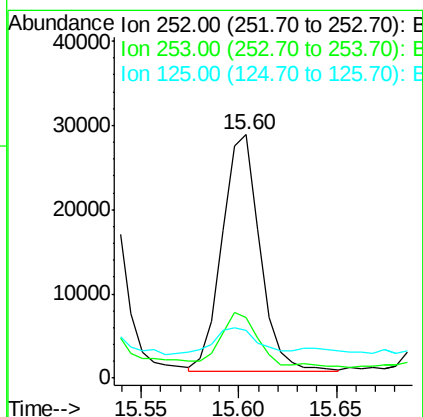
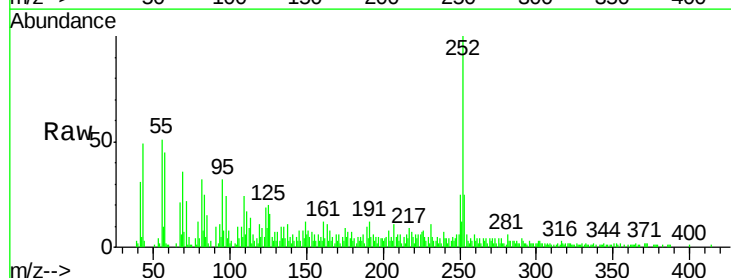
Instrument :
BNA_F
ClientSampleId :

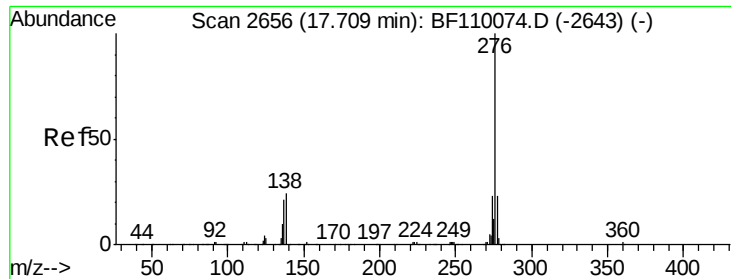
Tot Ion:252 Resp: 75229
Ion Ratio Lower Upper
252 100
253 30.9 17.2 25.8#
125 19.4 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 6.43 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110529.D
Acq: 6 Nov 2018 21:40

Tgt Ion:252 Resp: 37462
Ion Ratio Lower Upper
252 100
253 24.7 18.2 27.4
125 19.6 9.0 13.6#





#92
 Benzo(a,h,i)perylene
 Concen: 4.58 ng
 RT: 17.72 min Scan# 2658
 Delta R.T. 0.02 min
 Lab File: BF110529.D
 Acq: 6 Nov 2018 21:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.8	28.2
138	24.0	16.0	24.0

