

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
 Data File : BF110428.D
 Acq On : 2 Nov 2018 22:47
 Operator : JU/SJ
 Sample : J5769-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 03 00:52:55 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	89600	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	336974	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	130171	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	213446	20.00	ng	0.00
76) Chrysene-d12	14.13	240	165982	20.00	ng	0.00
87) Perylene-d12	15.66	264	117543	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	209177	38.02	ng	0.00
7) Phenol-d6	6.57	99	261787	37.20	ng	0.00
23) Nitrobenzene-d5	7.52	82	151389	26.65	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	42431	32.91	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	270109	32.58	ng	0.00
79) Terphenyl-d14	13.07	244	213940	26.81	ng	0.00

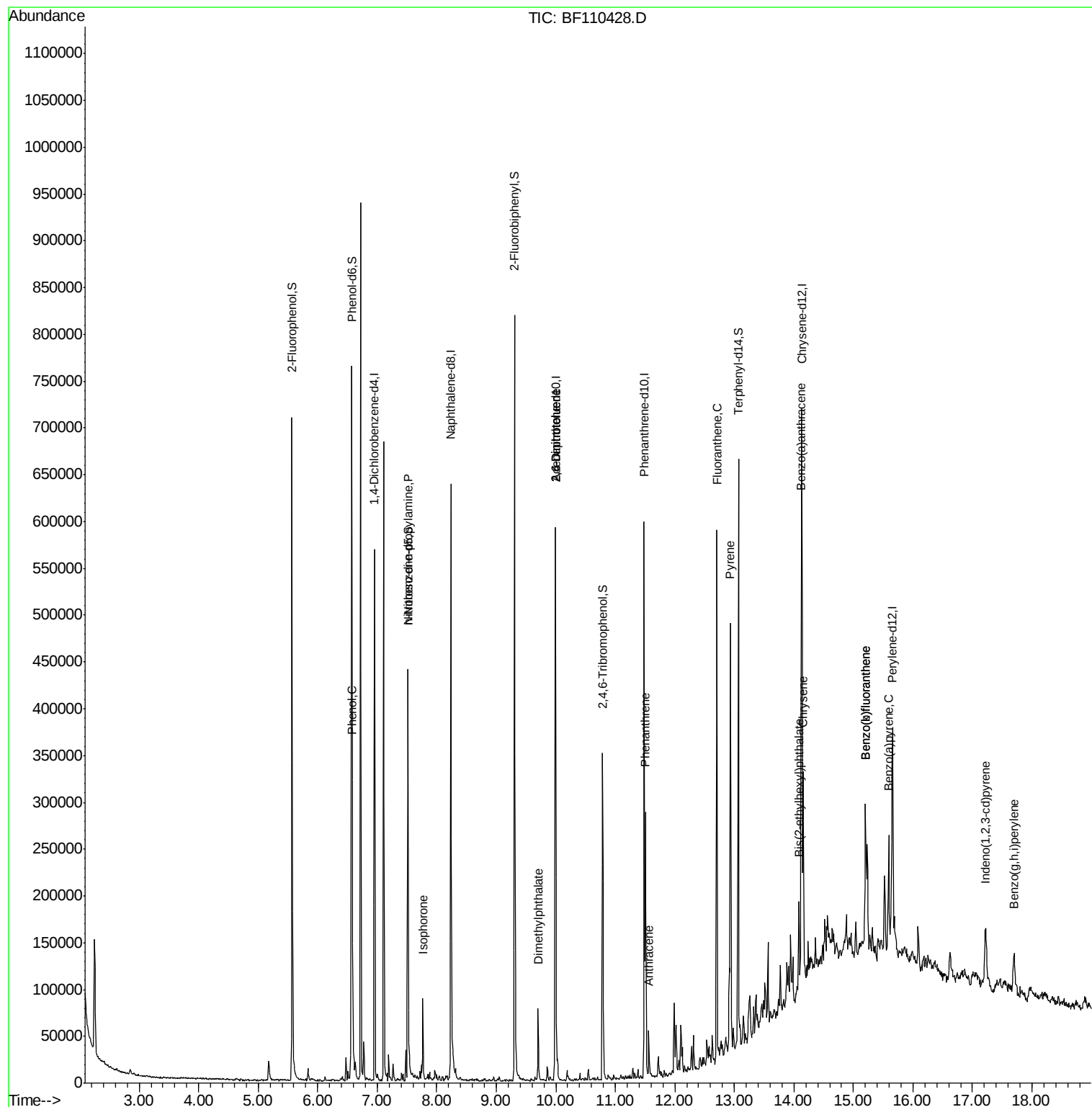
Target Compounds				Qvalue		
9) Benzaldehyde	6.51	77	1604	Below Cal	#	1
10) Phenol	6.59	94	15744	2.093 ng	#	75
19) n-Nitroso-di-n-propylamine	7.52	70	20275	4.491 ng	#	81
25) Isophorone	7.76	82	39159	4.044 ng		100
50) Dimethylphthalate	9.70	163	36562	3.805 ng		98
51) 2,6-Dinitrotoluene	9.99	165	16815	8.124 ng	#	21
57) 2,4-Dinitrotoluene	9.99	165	16815	6.396 ng	#	17
71) Phenanthrene	11.51	178	100612	9.009 ng		98
72) Anthracene	11.56	178	23286	2.080 ng		96
75) Fluoranthene	12.70	202	212417	18.740 ng		98
77) Benzydine	13.07	184	2722	Below Cal	#	87
78) Pylene	12.93	202	194683	16.361 ng		97
81) Benzo(a)anthracene	14.12	228	90098	9.153 ng		99
83) Chrysene	14.16	228	81902	8.761 ng		96
84) Bis(2-ethylhexyl)phthalate	14.09	149	24613	3.525 ng	#	91
86) Indeno(1,2,3-cd)pyrene	17.22	276	34822	4.490 ng		94
88) Benzo(b)fluoranthene	15.20	252	117515	17.313 ng	#	95
89) Benzo(k)fluoranthene	15.20	252	117515	17.611 ng	#	94
90) Benzo(a)pyrene	15.59	252	55157	8.831 ng		95
92) Benzo(a,h,i)perylene	17.70	276	36997	6.967 ng		95

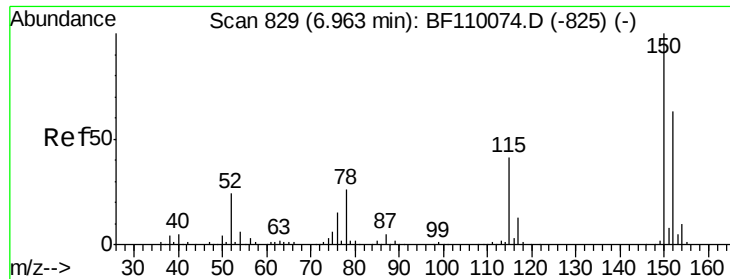
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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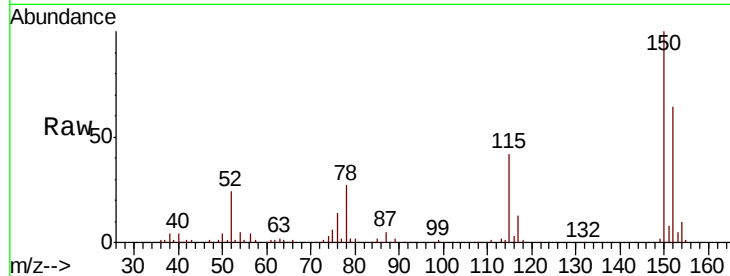


#1

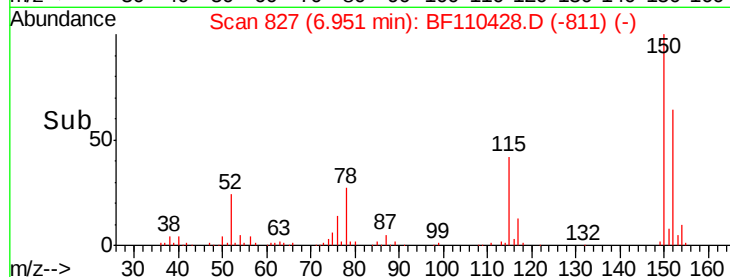
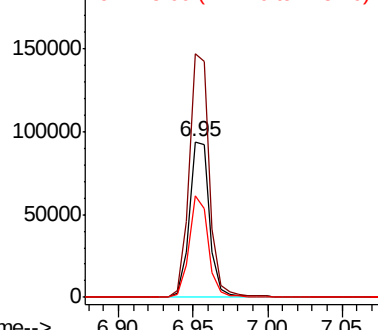
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 89600
Ion Ratio Lower Upper
152 100
150 156.6 122.7 184.1
115 65.5 49.1 73.7



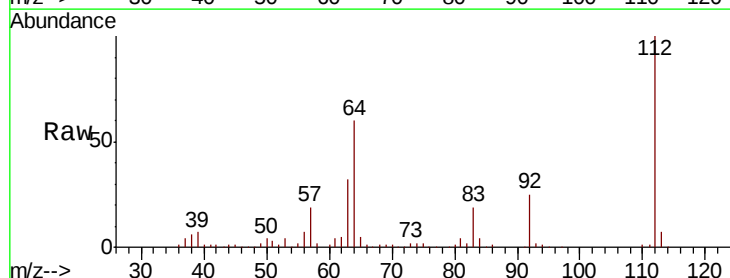
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



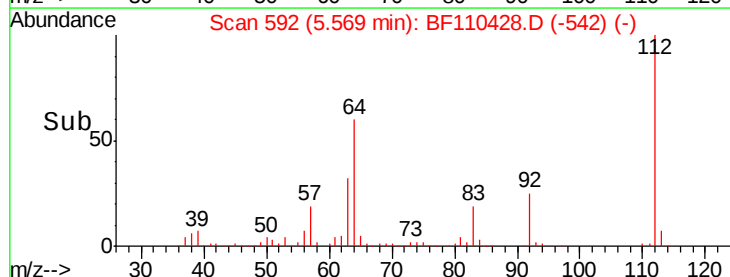
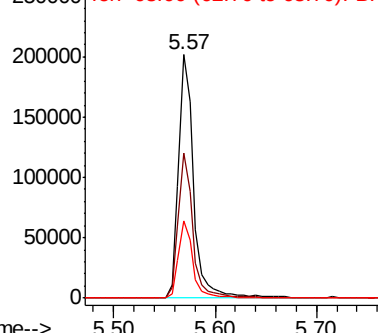
#5

2-Fluorophenol
Concen: 38.017 ng
RT: 5.57 min Scan# 592
Delta R.T. -0.01 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

Tgt Ion:112 Resp: 209177
Ion Ratio Lower Upper
112 100
64 59.7 44.1 66.1
63 31.6 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: 37.198 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Instrument :

BNA_F

ClientSampleId :

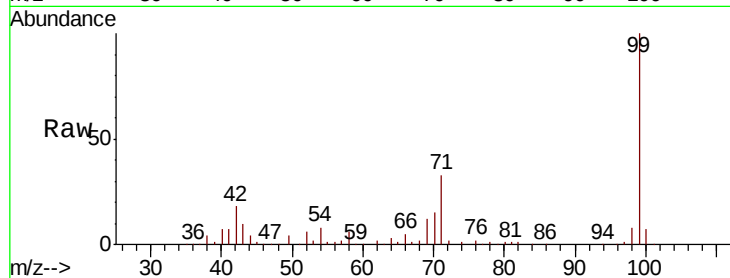
Tot Ion: 99 Resp: 261787

Ion Ratio Lower Upper

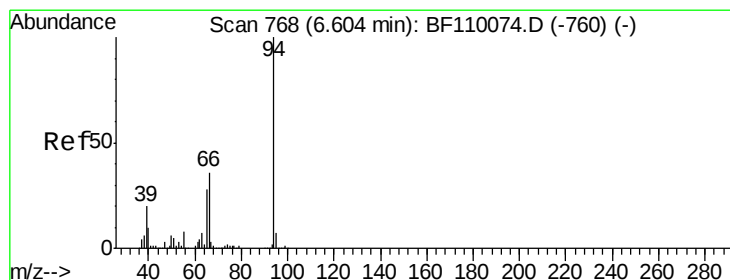
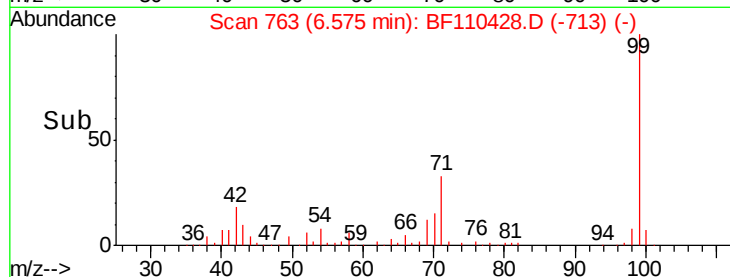
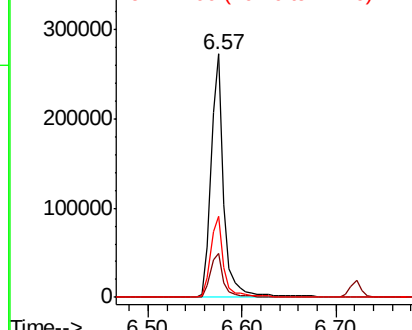
99 100

42 18.2 15.8 23.6

71 33.2 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.093 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

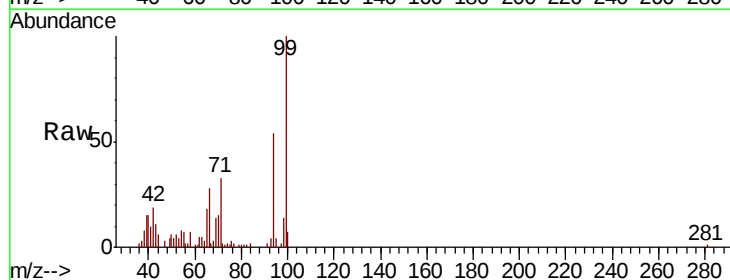
Tgt Ion: 94 Resp: 15744

Ion Ratio Lower Upper

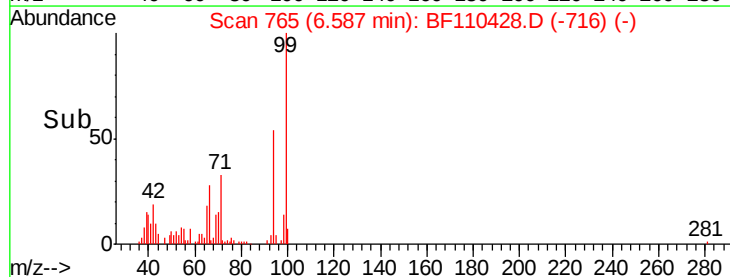
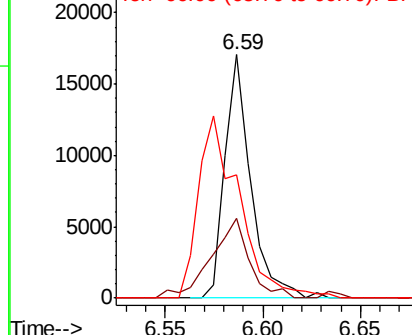
94 100

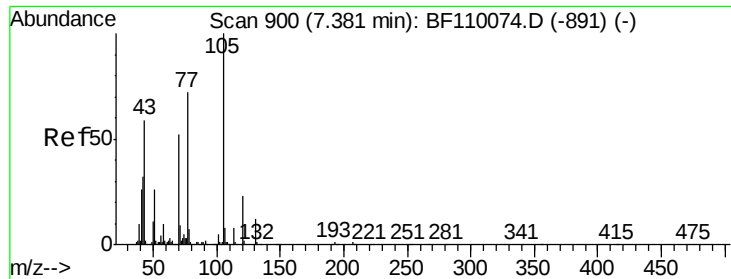
65 33.0 25.3 65.3

66 50.7 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

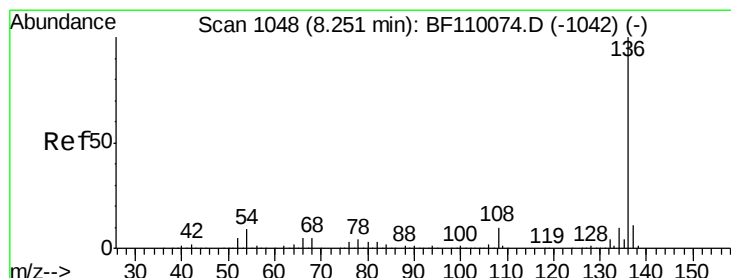
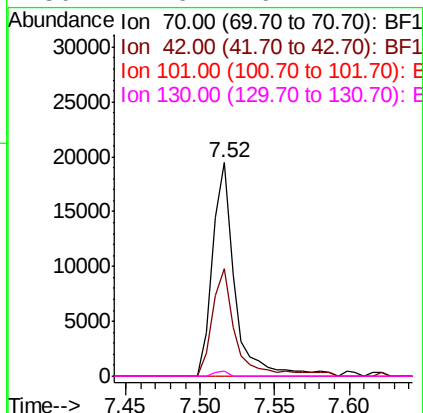
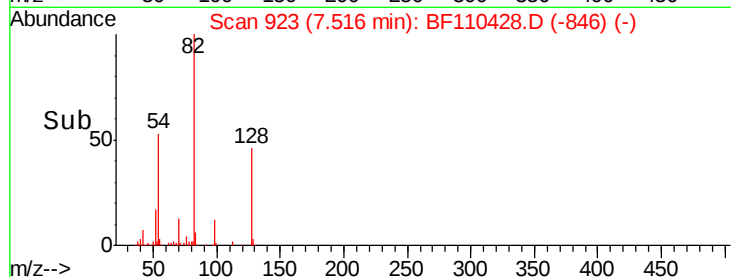
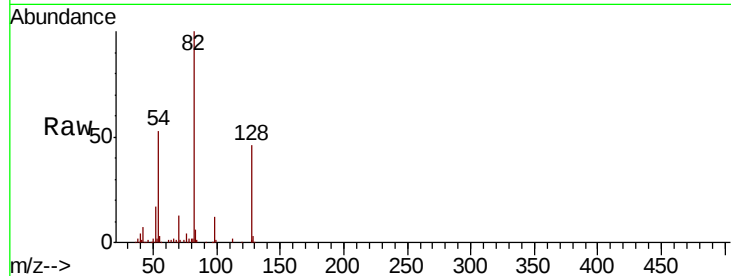




#19
n-Nitroso-di-n-propylamine
Concen: 4.491 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.15 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

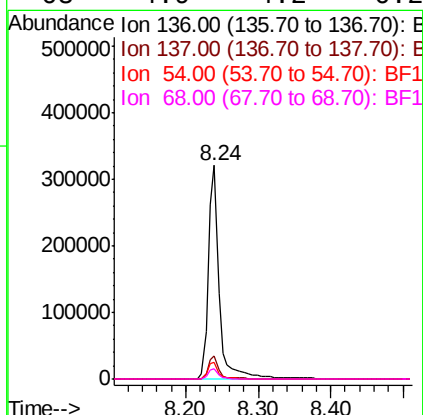
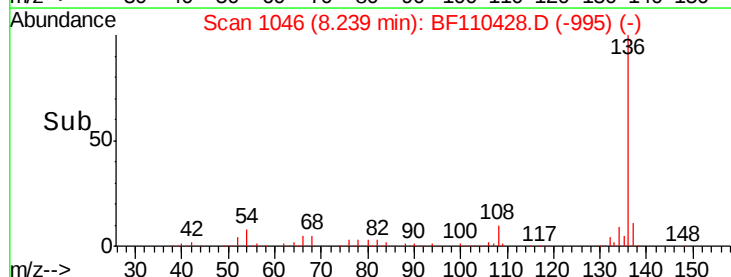
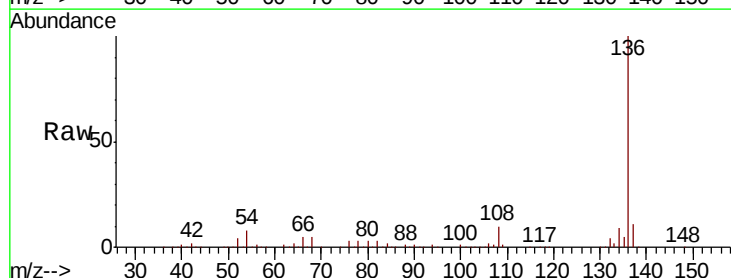
Instrument :
BNA_F
ClientSampleId :

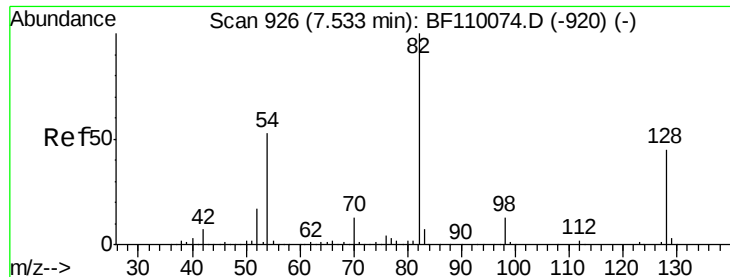
Tot Ion: 70 Resp: 20275
Ion Ratio Lower Upper
70 100
42 50.2 47.4 71.2
101 0.0 7.3 10.9#
130 2.6 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

Tgt Ion: 136 Resp: 336974
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.6 5.4 8.2
68 4.9 4.2 6.2

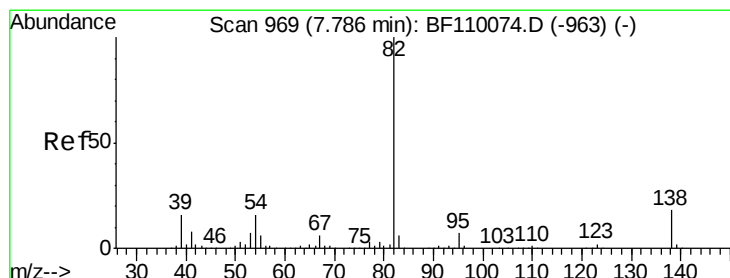
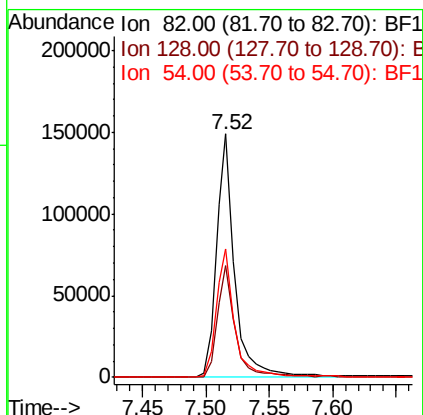
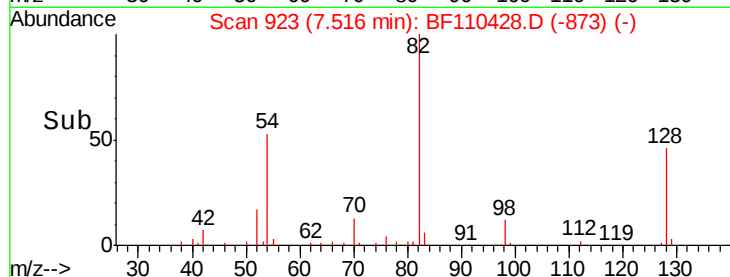
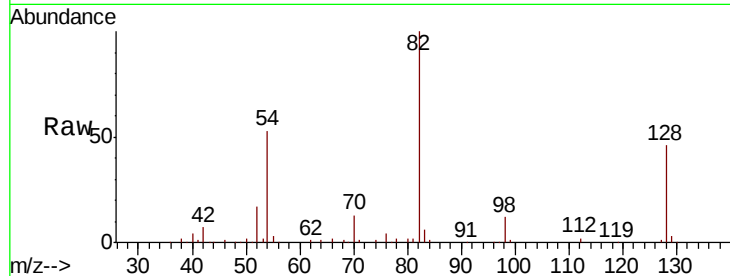




#23
Nitrobenzene-d5
Concen: 26.647 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

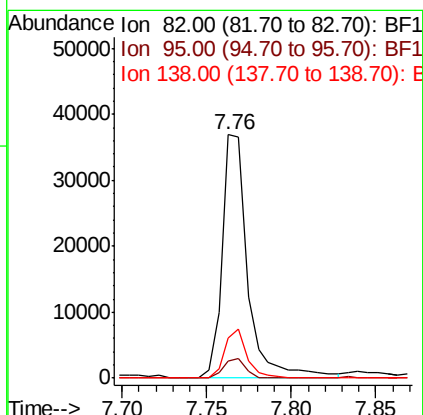
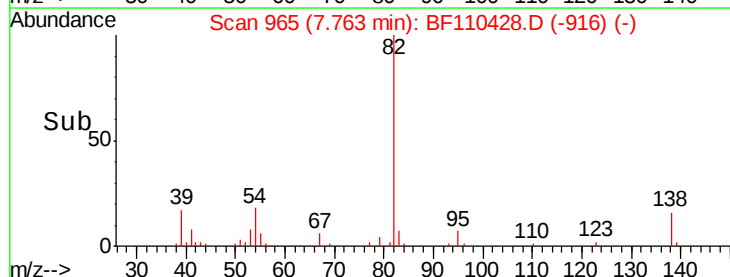
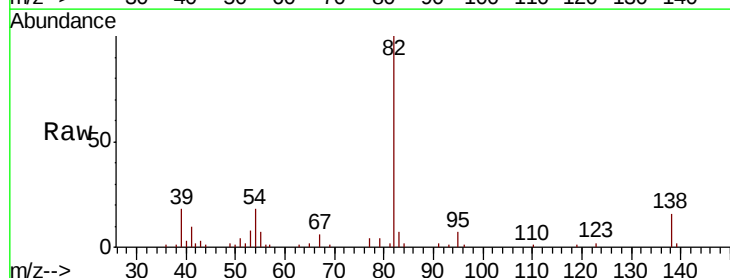
Instrument :
BNA_F
ClientSampled :

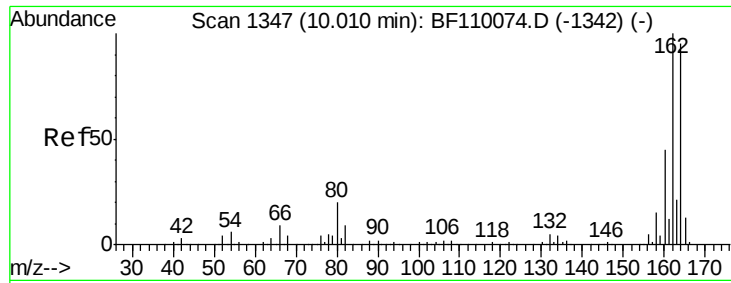
Tot Ion: 82 Resp: 151389
Ion Ratio Lower Upper
82 100
128 45.9 34.2 51.2
54 52.5 38.6 58.0



#25
Isophorone
Concen: 4.044 ng
RT: 7.76 min Scan# 965
Delta R.T. -0.01 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

Tgt Ion: 82 Resp: 39159
Ion Ratio Lower Upper
82 100
95 7.2 5.7 8.5
138 16.4 13.2 19.8

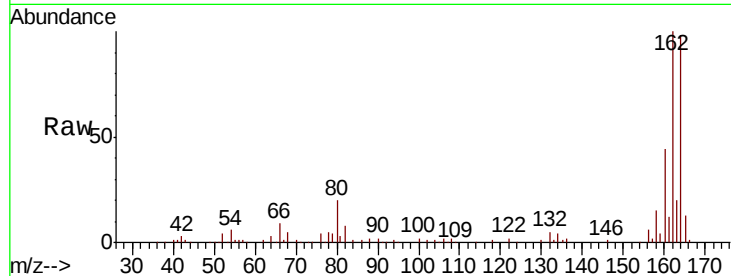




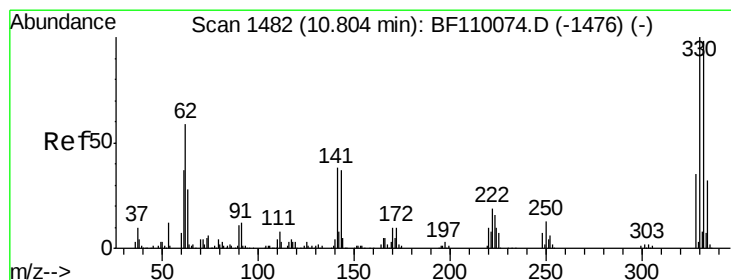
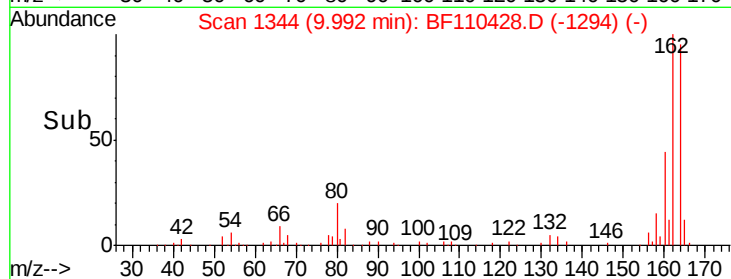
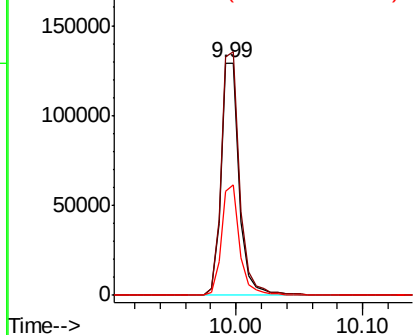
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 130171
Ion Ratio Lower Upper
164 100
162 102.5 83.0 124.6
160 44.8 37.0 55.6

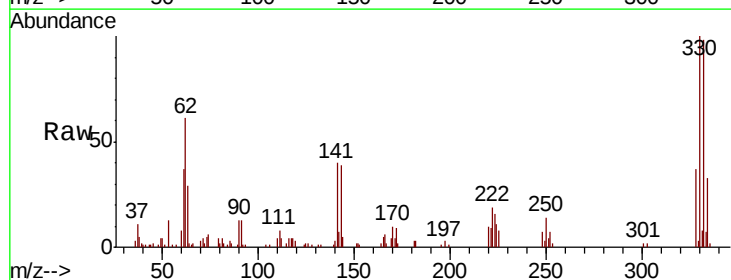


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

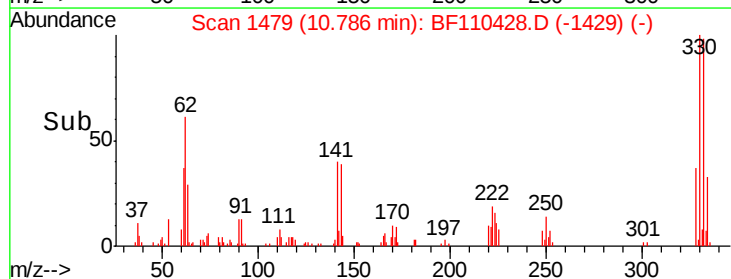
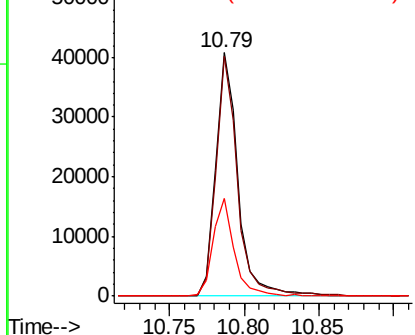


#42
2,4,6-Tribromophenol
Concen: 32.907 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

Tgt Ion:330 Resp: 42431
Ion Ratio Lower Upper
330 100
332 96.0 77.1 115.7
141 37.9 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: 32.583 ng

RT: 9.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

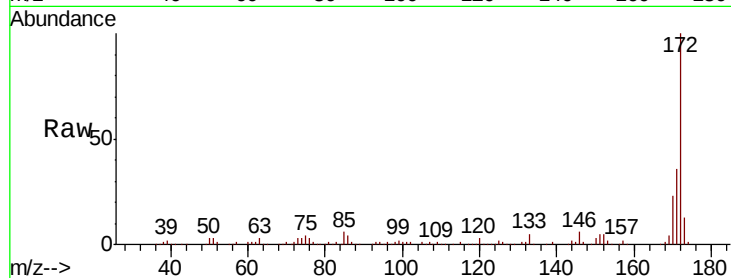
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 270109

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	22.8	19.7	29.5

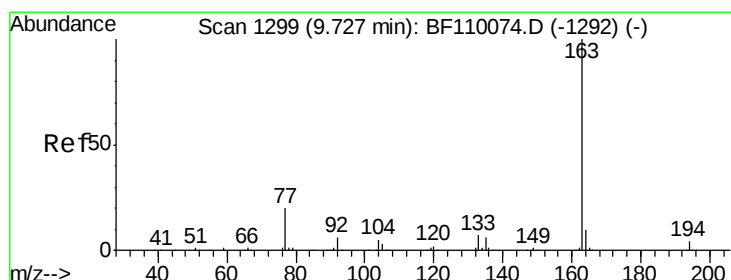
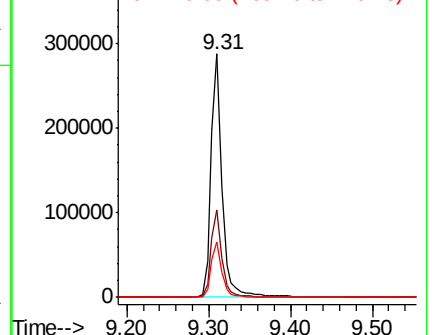
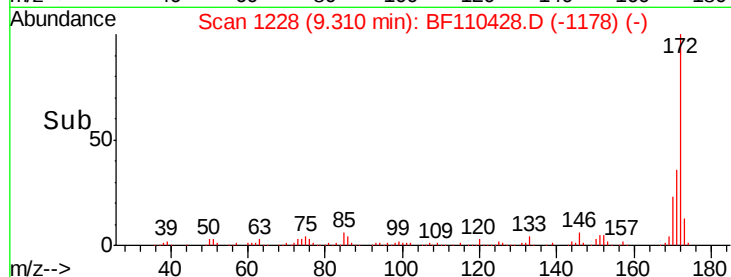


Abundance

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: 3.805 ng

RT: 9.70 min Scan# 1295

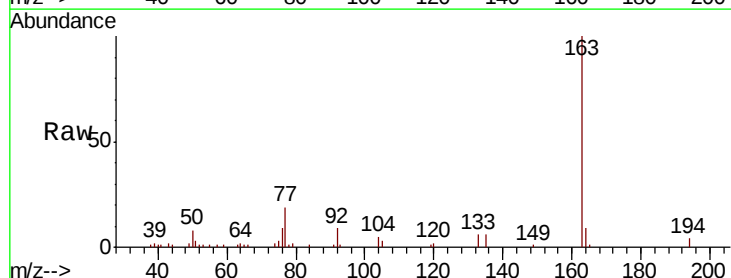
Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Tgt Ion:163 Resp: 36562

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	9.3	8.1	12.1

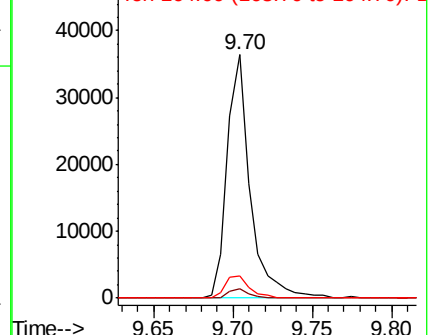
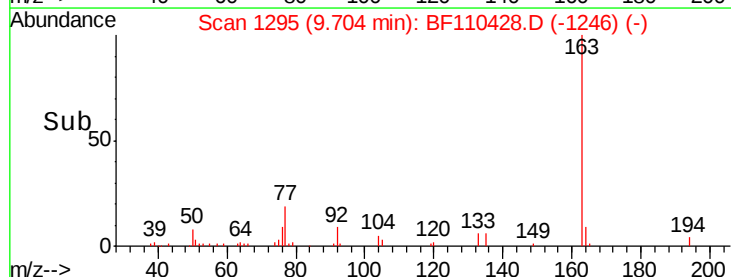


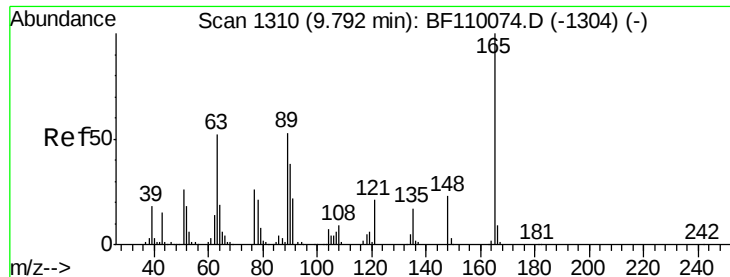
Abundance

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: 8.124 ng

RT: 9.99 min Scan# 1344

Delta R.T. 0.21 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Instrument :

BNA_F

ClientSampleId :

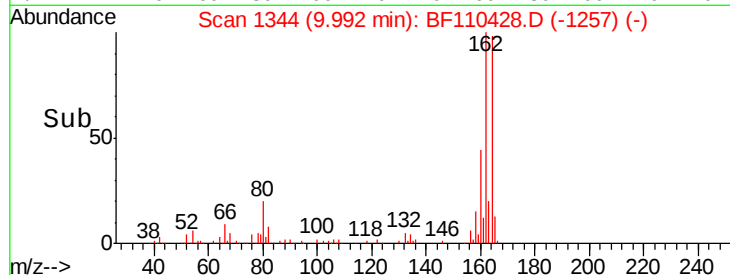
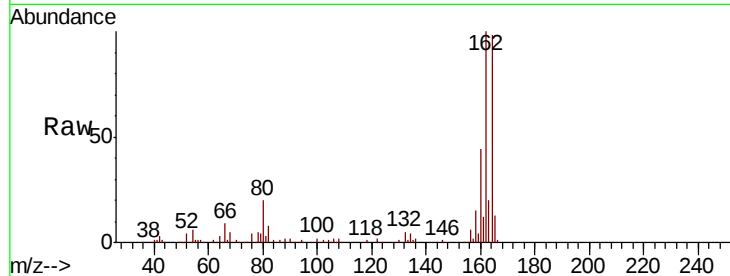
Tot Ion:165 Resp: 16815

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

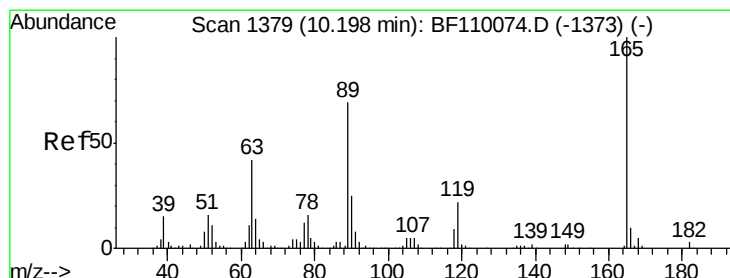
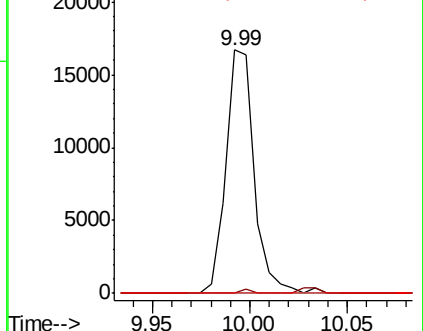
89 0.0 46.6 69.8#



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



#57

2,4-Dinitrotoluene

Concen: 6.396 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.20 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Tgt Ion:165 Resp: 16815

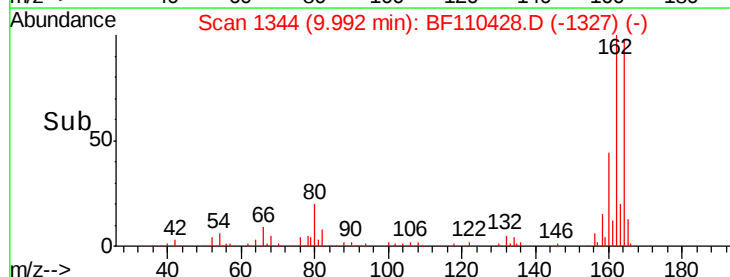
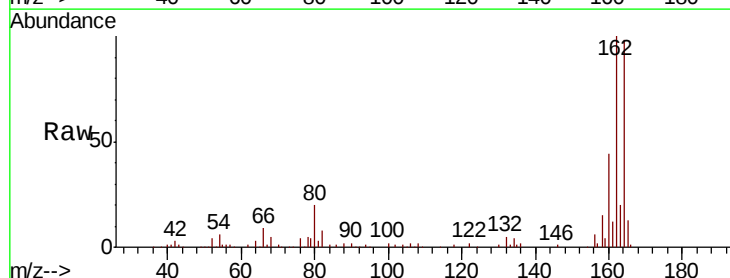
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

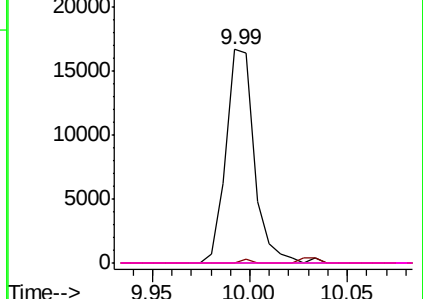


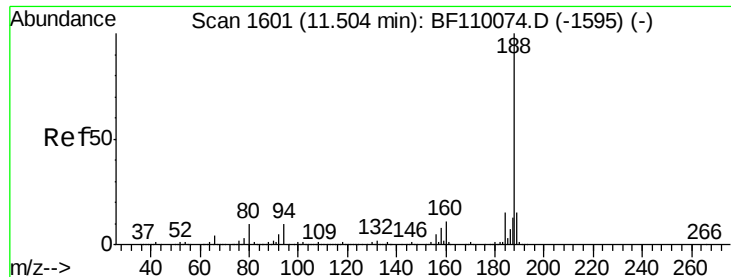
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Instrument :

BNA_F

ClientSampleId :

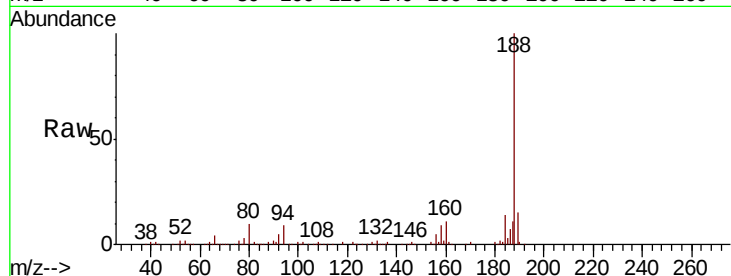
Tot Ion:188 Resp: 213446

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

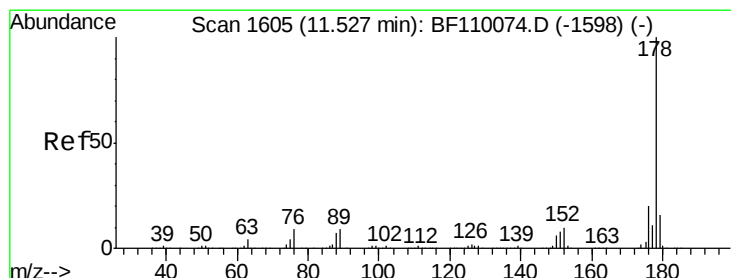
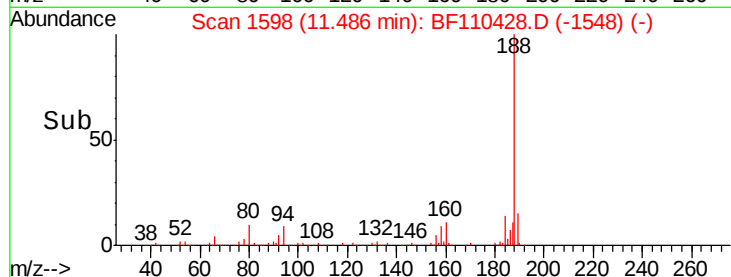
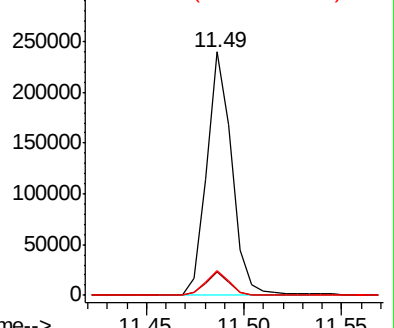
80 10.2 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 9.009 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

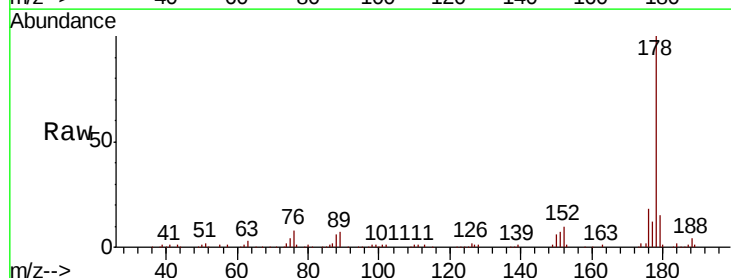
Tgt Ion:178 Resp: 100612

Ion Ratio Lower Upper

178 100

176 18.4 15.5 23.3

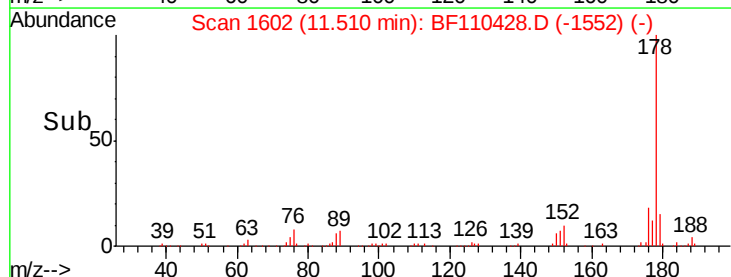
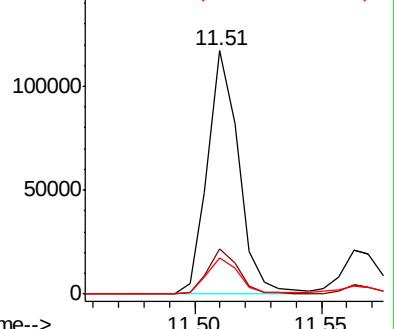
179 15.0 12.5 18.7

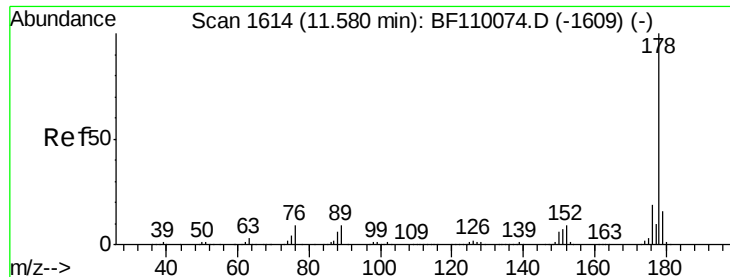


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.080 ng

RT: 11.56 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Instrument :

BNA_F

ClientSampleId :

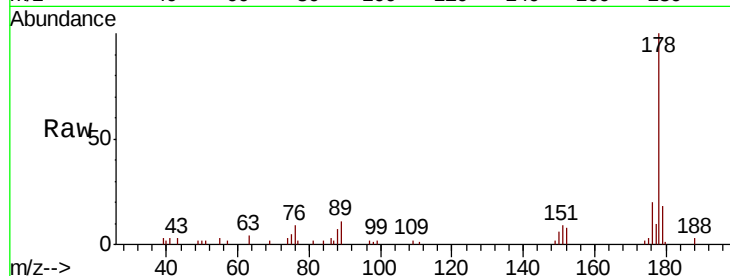
Tot Ion:178 Resp: 23286

Ion Ratio Lower Upper

178 100

176 20.3 15.4 23.2

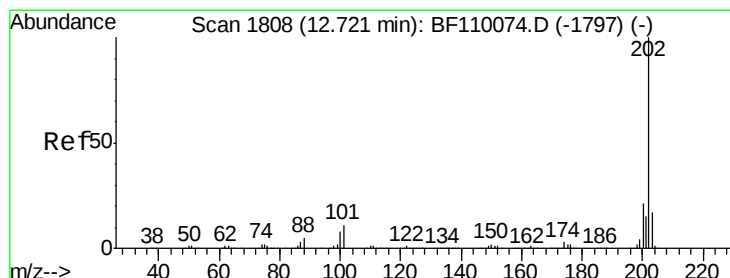
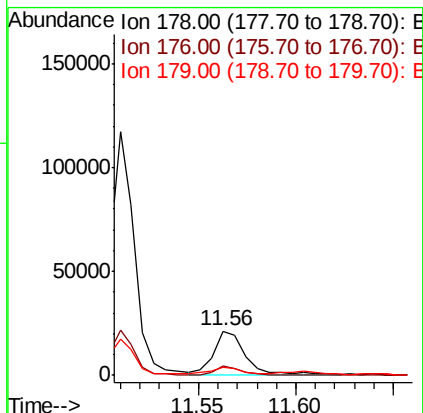
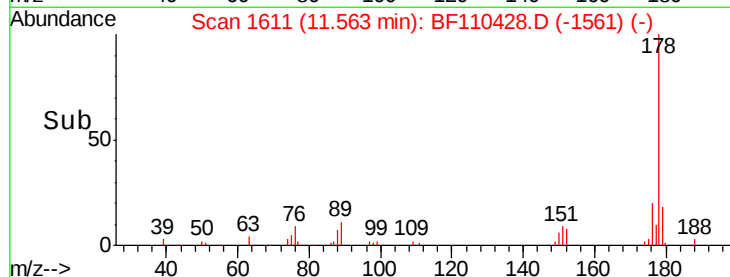
179 18.4 12.6 18.8



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: 18.740 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

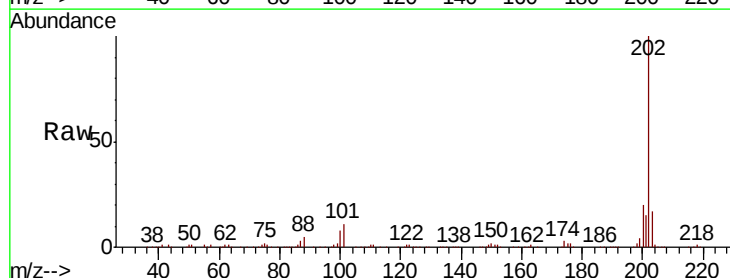
Tgt Ion:202 Resp: 212417

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.4

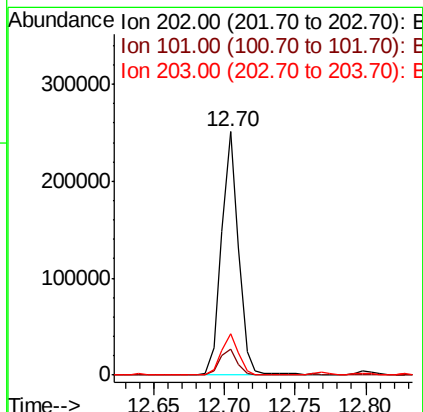
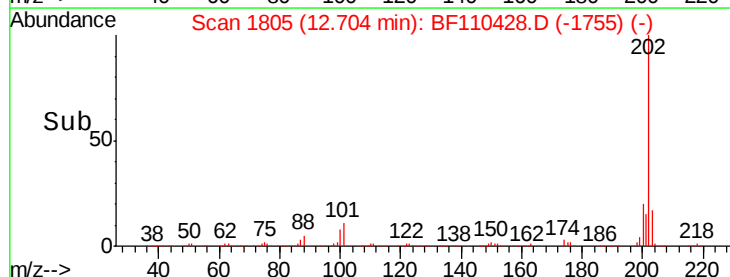
203 17.0 0.0 37.7

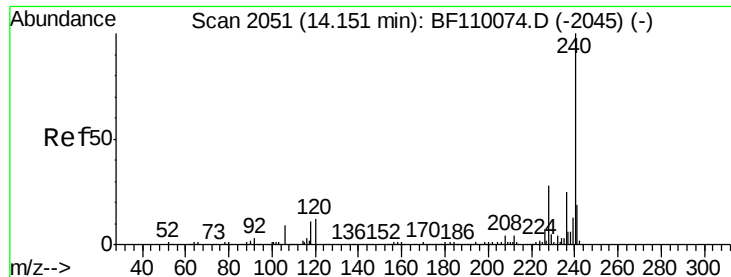


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

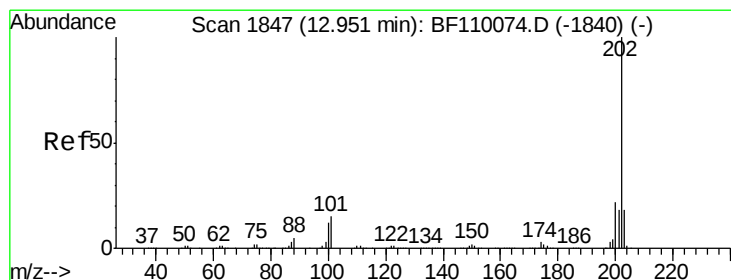
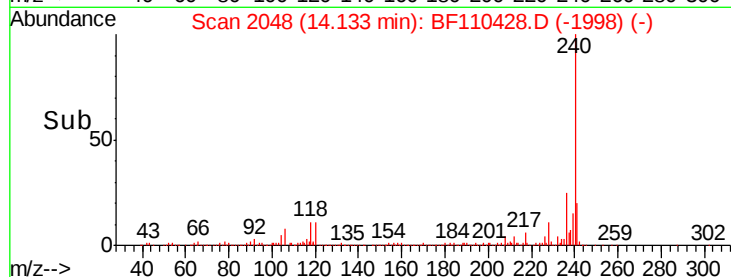
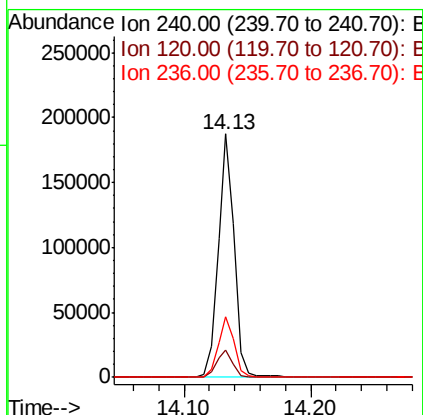
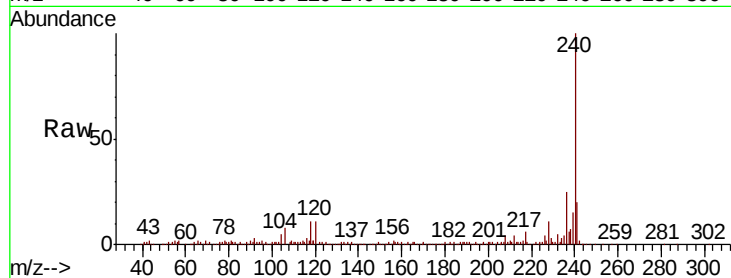




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: BF110428.D
 Acq: 2 Nov 2018 22:47

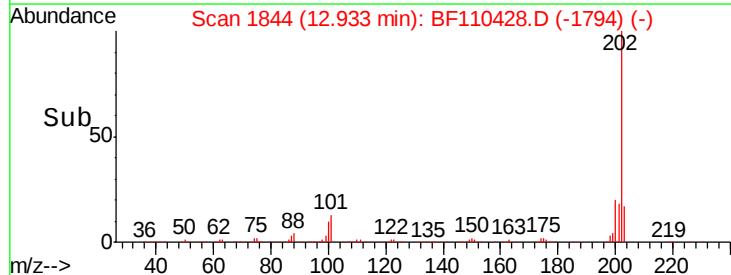
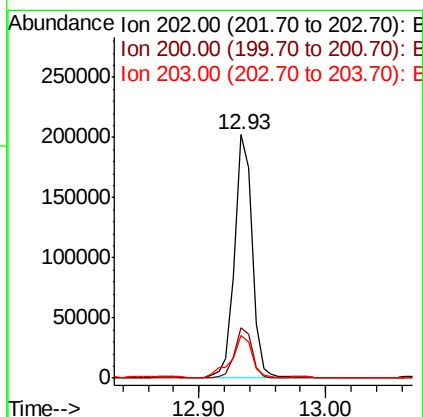
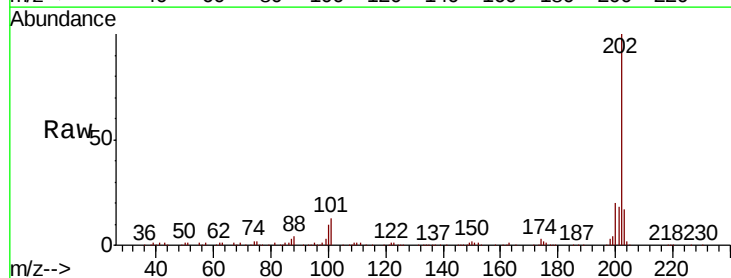
Instrument :
 BNA_F
 ClientSampleId :

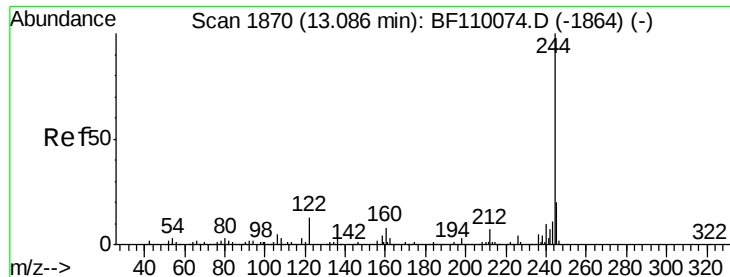
Tot Ion:240 Resp: 165982
 Ion Ratio Lower Upper
 240 100
 120 11.4 8.3 12.5
 236 25.1 21.2 31.8



#78
 Pyrene
 Concen: 16.361 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BF110428.D
 Acq: 2 Nov 2018 22:47

Tgt Ion:202 Resp: 194683
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.8 26.6
 203 17.3 14.2 21.4





#79

Terphenyl-d14

Concen: 26.806 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Instrument :

BNA_F

ClientSampleId :

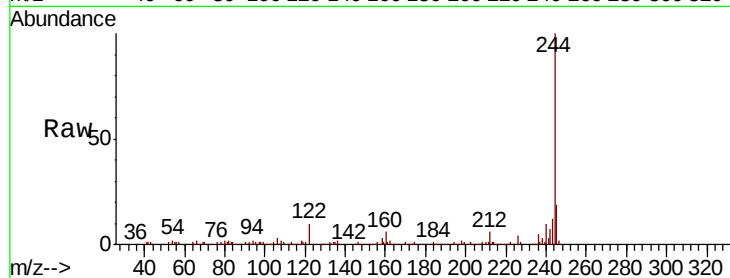
Tot Ion:244 Resp: 213940

Ion Ratio Lower Upper

244 100

212 6.2 5.8 8.8

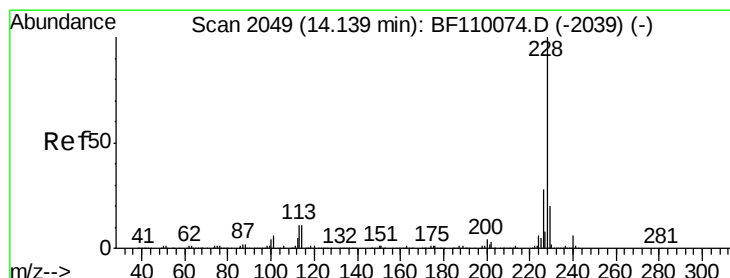
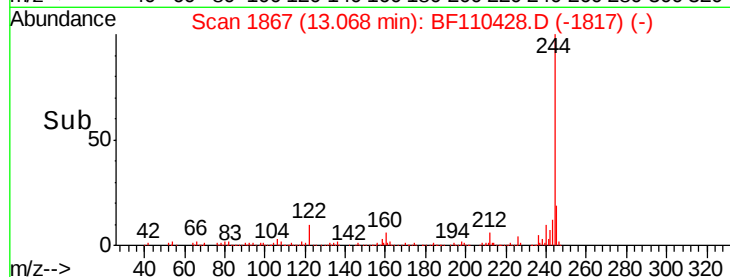
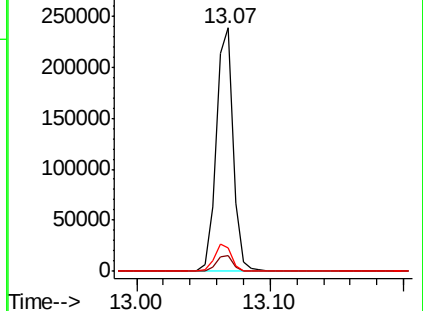
122 9.6 8.7 13.1



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



#81

Benzo(a)anthracene

Concen: 9.153 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

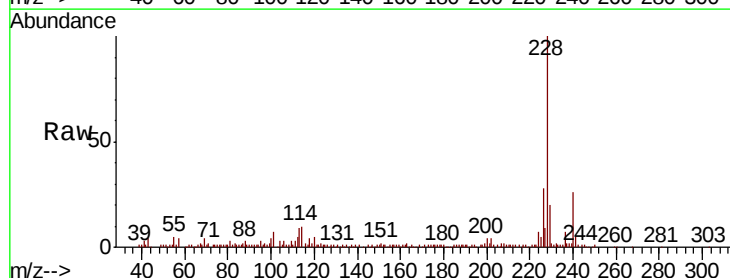
Tgt Ion:228 Resp: 90098

Ion Ratio Lower Upper

228 100

226 27.6 22.1 33.1

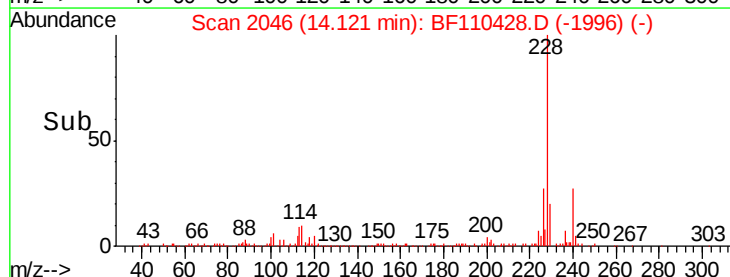
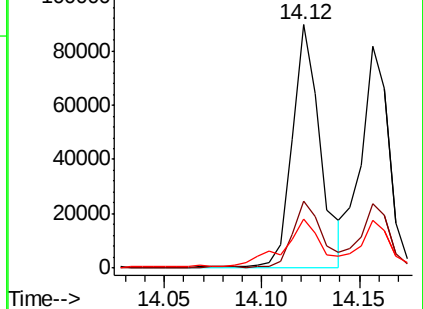
229 20.3 15.6 23.4

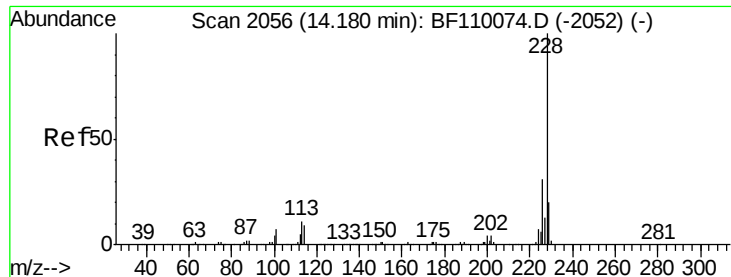


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 8.761 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Instrument :

BNA_F

ClientSampled :

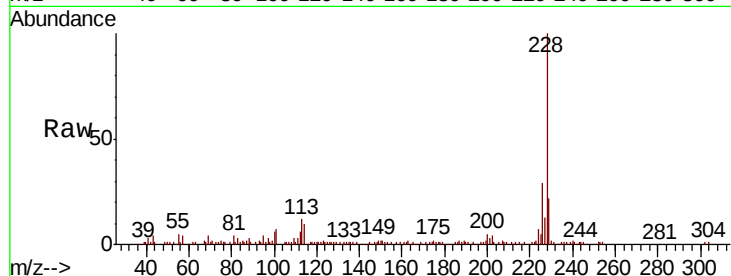
Tot Ion:228 Resp: 81902

Ion Ratio Lower Upper

228 100

226 29.0 24.7 37.1

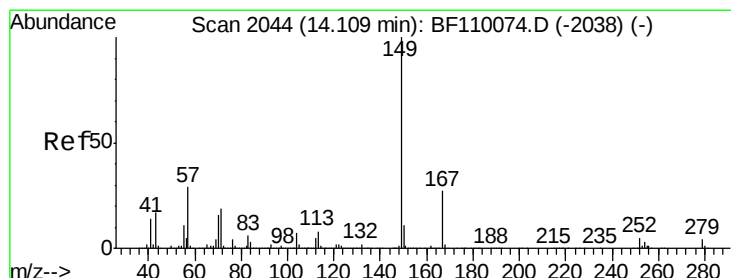
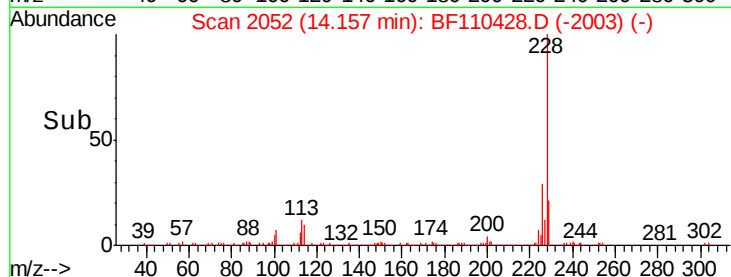
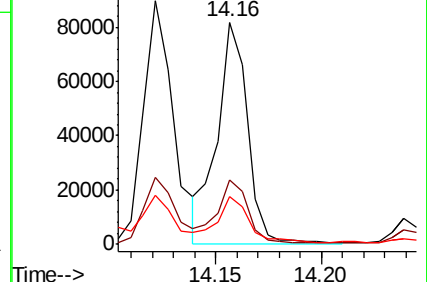
229 21.8 15.9 23.9



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.525 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

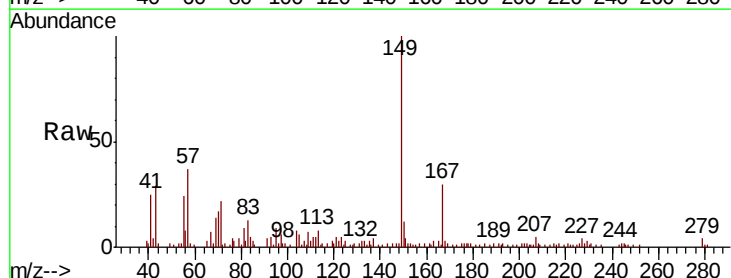
Tgt Ion:149 Resp: 24613

Ion Ratio Lower Upper

149 100

167 29.6 19.8 29.8

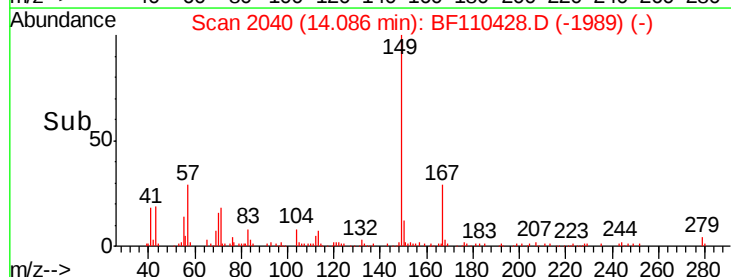
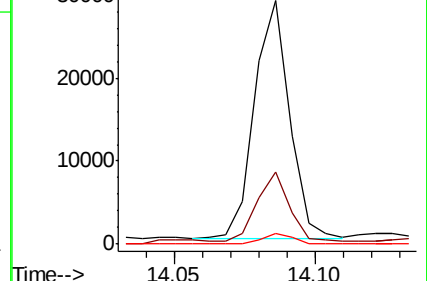
279 4.3 2.7 4.1#

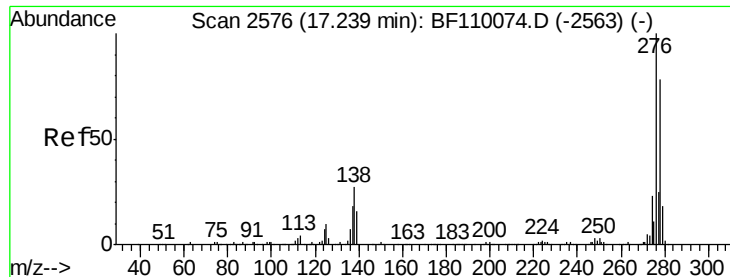


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

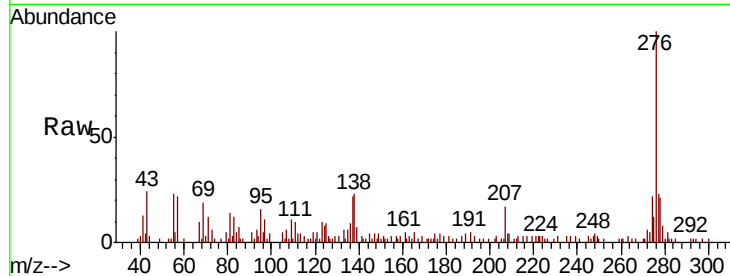




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.490 ng
RT: 17.22 min Scan# 2572
Delta R.T. -0.01 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.1	18.5	27.7
277	26.6	20.0	30.0

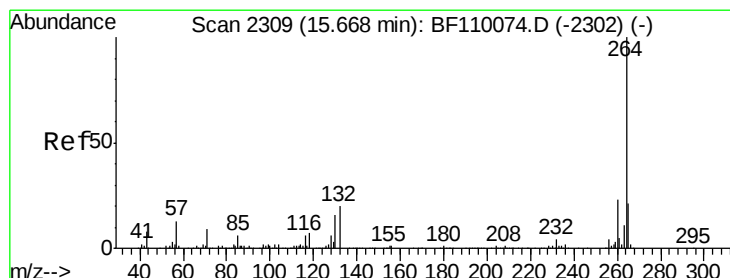
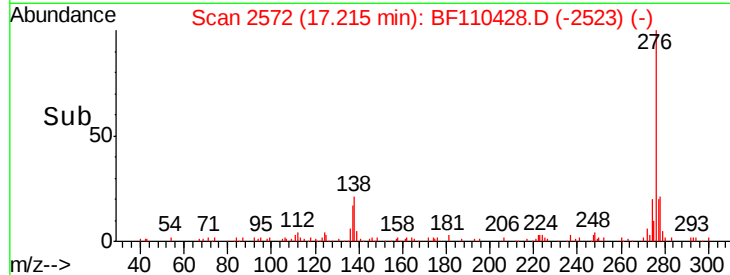
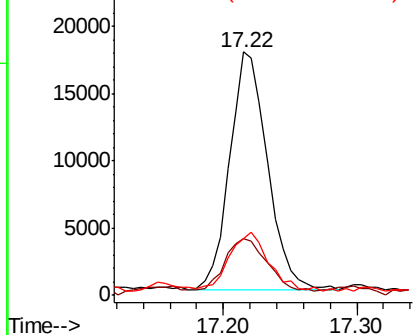


Abundance

Ion 276.00 (275.70 to 276.70): E

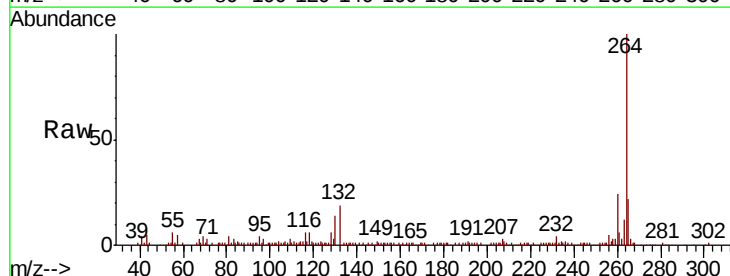
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.7	28.1
265	21.5	16.7	25.1

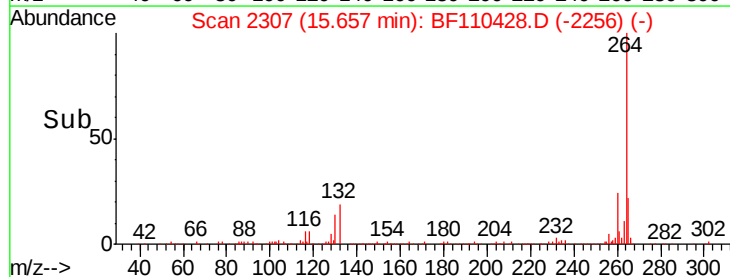
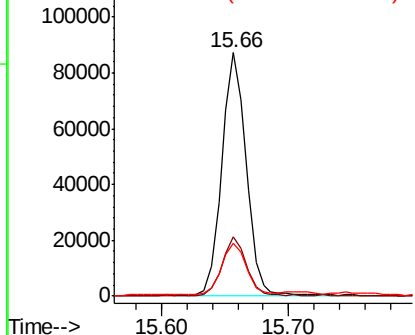


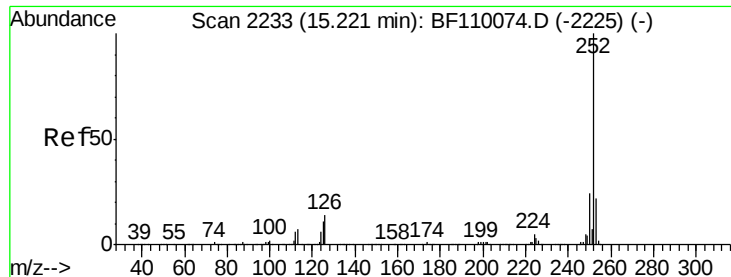
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

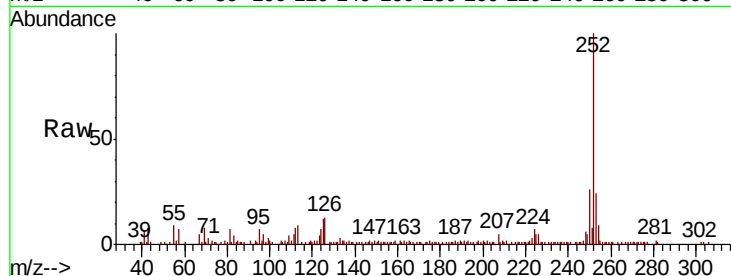




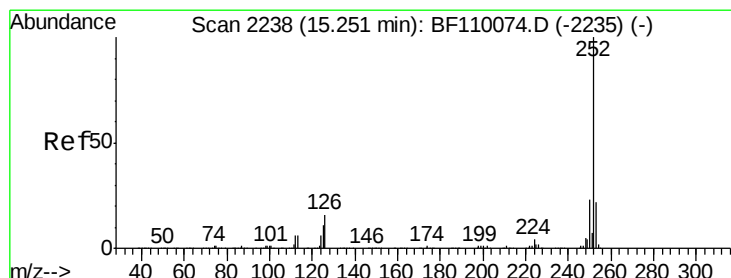
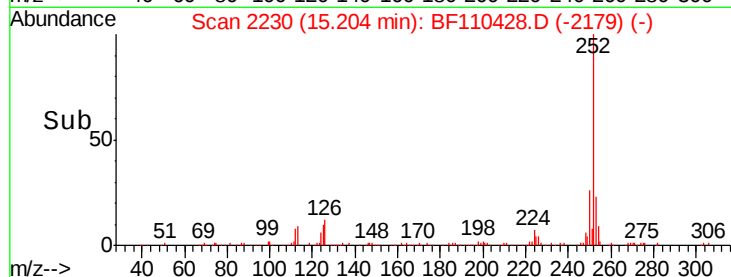
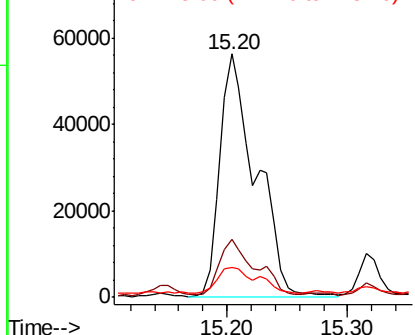
#88
Benzo(b)fluoranthene
Concen: 17.313 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 117515
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 12.5 8.2 12.4#

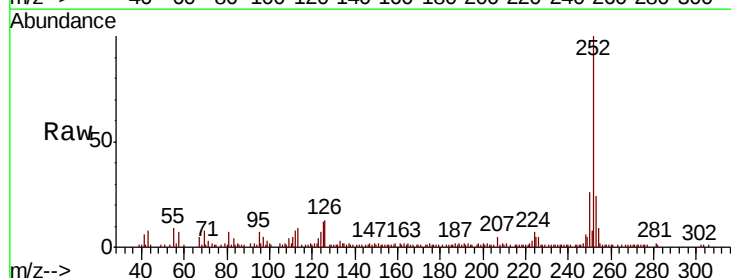


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

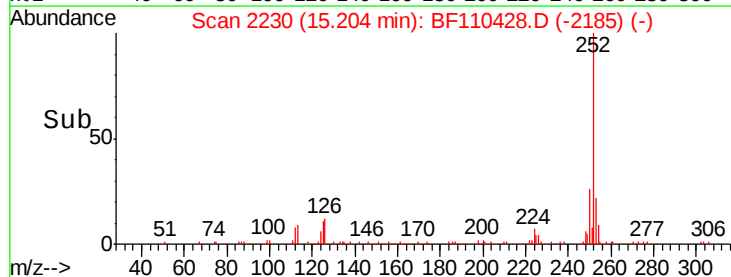
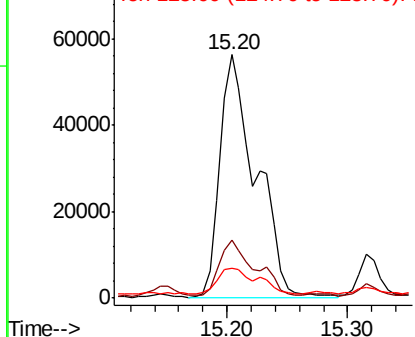


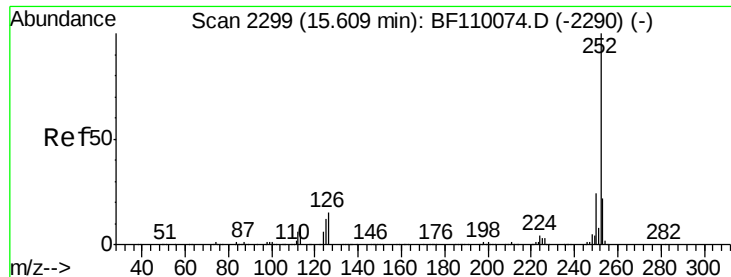
#89
Benzo(k)fluoranthene
Concen: 17.611 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

Tgt Ion:252 Resp: 117515
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 12.5 7.4 11.0#



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





#90

Benzo(a)pyrene

Concen: 8.831 ng

RT: 15.59 min Scan# 2296

Delta R.T. 0.00 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Instrument :

BNA_F

ClientSampled :

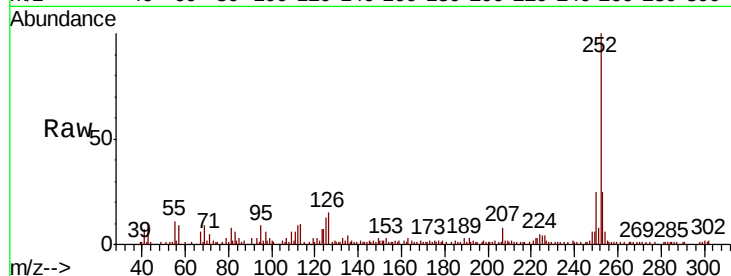
Tot Ion:252 Resp: 55157

Ion Ratio Lower Upper

252 100

253 24.8 18.2 27.4

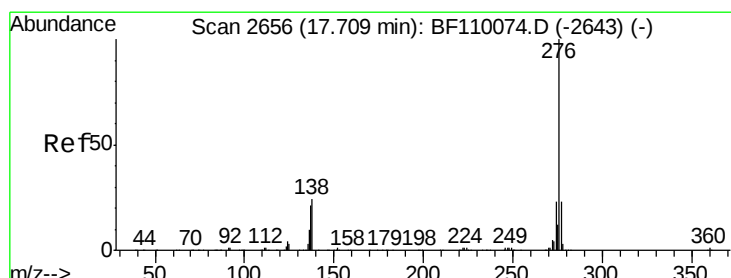
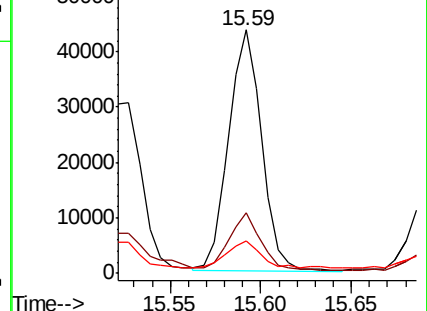
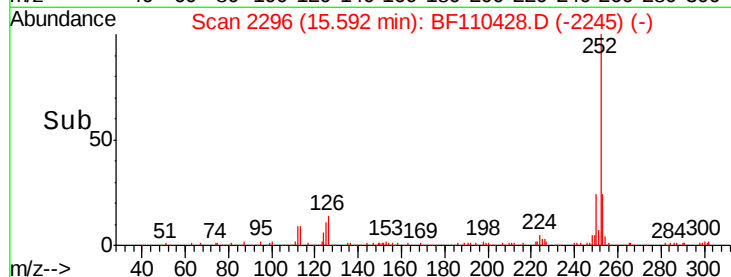
125 13.4 9.0 13.6



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: 6.967 ng

RT: 17.70 min Scan# 2654

Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

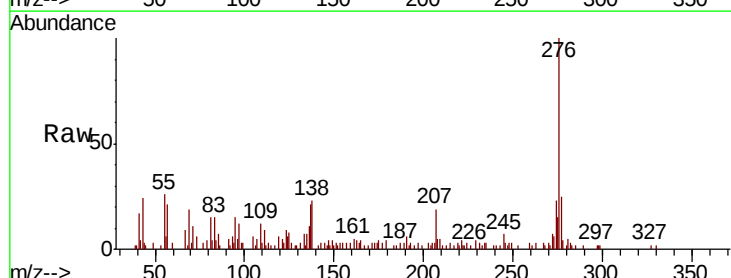
Tgt Ion:276 Resp: 36997

Ion Ratio Lower Upper

276 100

277 25.2 18.8 28.2

138 23.0 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

