

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
 Data File : BF110408.D
 Acq On : 2 Nov 2018 13:29
 Operator : JU/SJ
 Sample : J5759-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 22:55:45 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	73373	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	292235	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	127640	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	203819	20.00	ng	0.00
76) Chrysene-d12	14.13	240	157665	20.00	ng	0.00
87) Perylene-d12	15.66	264	151699	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	424056	94.12	ng	0.00
7) Phenol-d6	6.58	99	539366	93.59	ng	0.00
23) Nitrobenzene-d5	7.52	82	331491	67.28	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	104975	83.03	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	525653	64.67	ng	0.00
79) Terphenyl-d14	13.07	244	378211	49.89	ng	0.00

Target Compounds

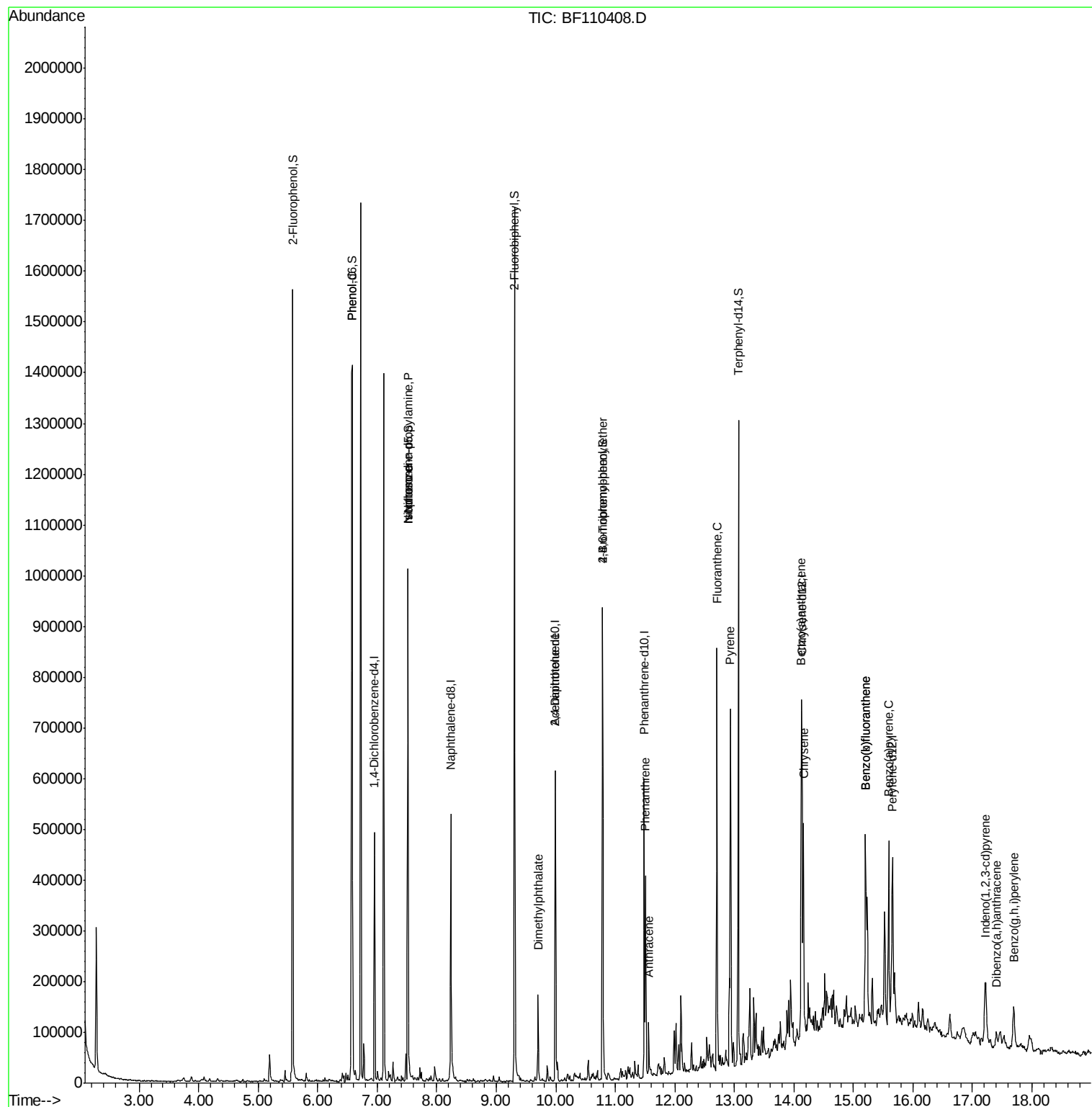
						Qvalue
9) Benzaldehyde	6.51	77	732	Below Cal	#	1
10) Phenol	6.59	94	34040	5.526 ng	#	73
19) n-Nitroso-di-n-propylamine	7.52	70	45350	12.266 ng	#	78
25) Isophorone	7.52	82	331488	39.470 ng	#	67
50) Dimethylphthalate	9.70	163	77004	8.173 ng		99
57) 2,4-Dinitrotoluene	9.99	165	16057	6.229 ng	#	18
67) 4-Bromophenyl-phenylether	10.79	248	6838	3.093 ng	#	1
71) Phenanthrene	11.51	178	139313	13.063 ng		99
72) Anthracene	11.56	178	44990	4.209 ng		98
75) Fluoranthene	12.70	202	312554	28.877 ng		99
78) Pyrene	12.94	202	298287	26.390 ng		98
81) Benzo(a)anthracene	14.12	228	182074	19.473 ng		99
83) Chrysene	14.16	228	163480	18.409 ng		98
86) Indeno(1,2,3-cd)pyrene	17.22	276	77381	10.503 ng		98
88) Benzo(b)fluoranthene	15.20	252	294439	33.612 ng		98
89) Benzo(k)fluoranthene	15.20	252	294439	34.189 ng	#	97
90) Benzo(a)pyrene	15.59	252	168543	20.909 ng		99
91) Dibenzo(a,h)anthracene	17.40	278	19751	2.840 ng		97
92) Benzo(a,h,i)perylene	17.70	276	70858	10.339 ng		98

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

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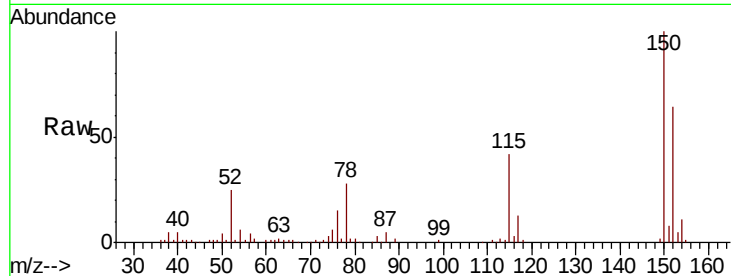


#1

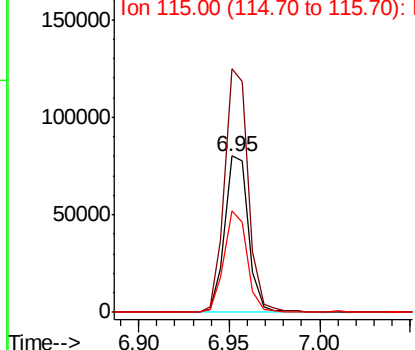
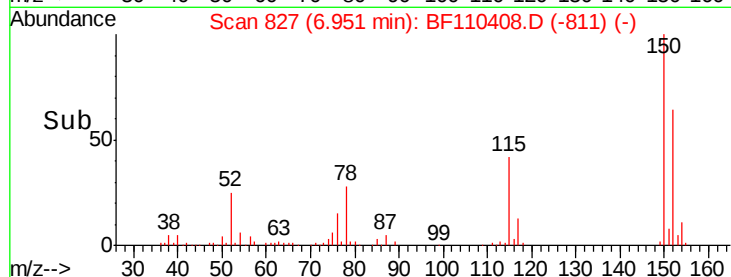
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110408.D
Acq: 2 Nov 2018 13:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 73373
Ion Ratio Lower Upper
152 100
150 156.1 122.7 184.1
115 65.1 49.1 73.7



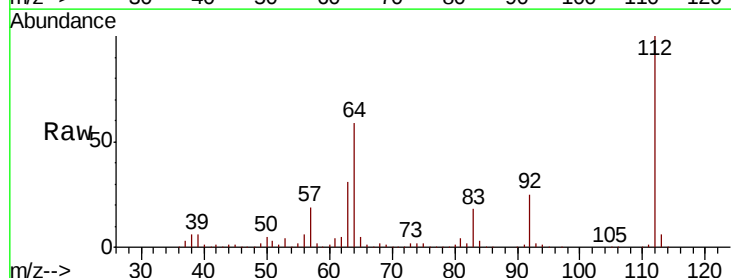
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



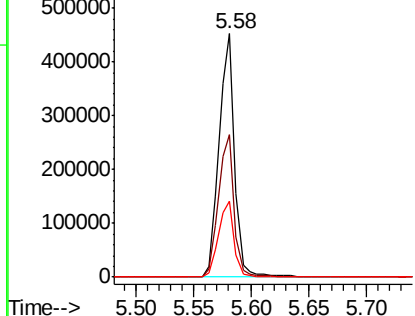
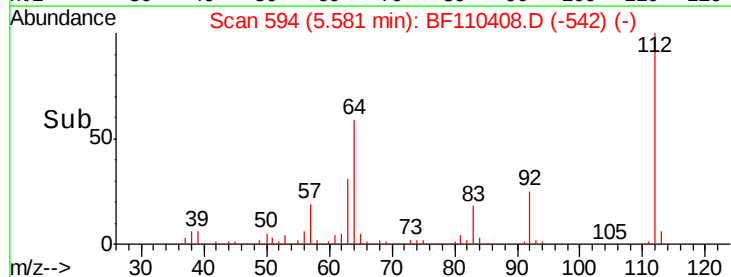
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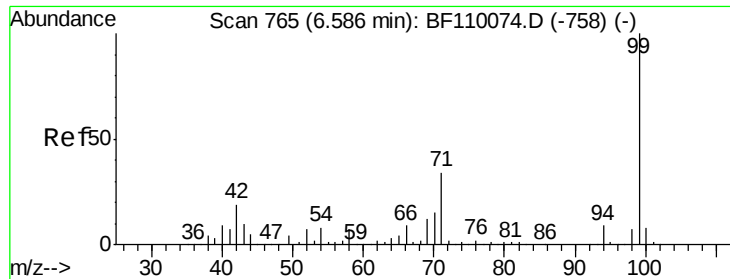
2-Fluorophenol
Concen: 94.116 ng
RT: 5.58 min Scan# 594
Delta R.T. 0.01 min
Lab File: BF110408.D
Acq: 2 Nov 2018 13:29

Tgt Ion:112 Resp: 424056
Ion Ratio Lower Upper
112 100
64 58.7 44.1 66.1
63 31.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 93.589 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF110408.D

Acq: 2 Nov 2018 13:29

Instrument :

BNA_F

ClientSampleId :

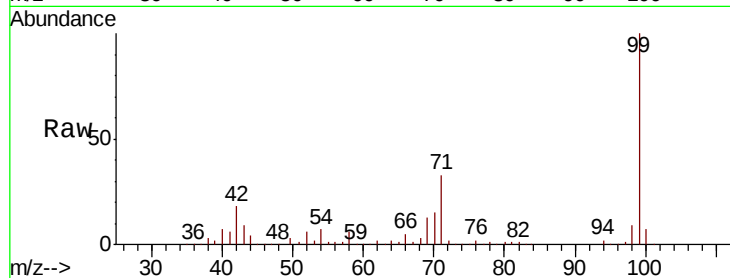
Tot Ion: 99 Resp: 539366

Ion Ratio Lower Upper

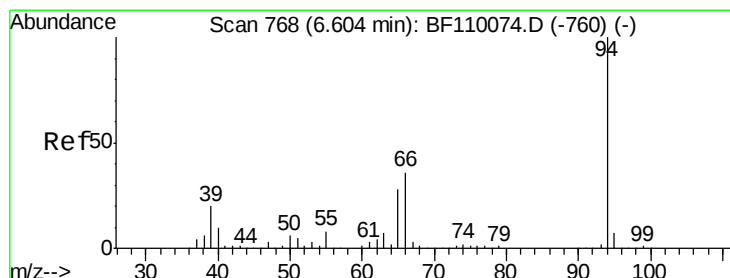
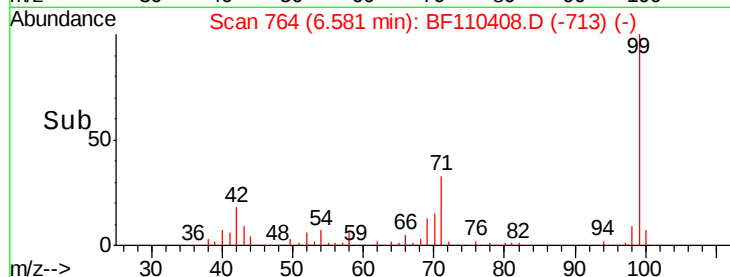
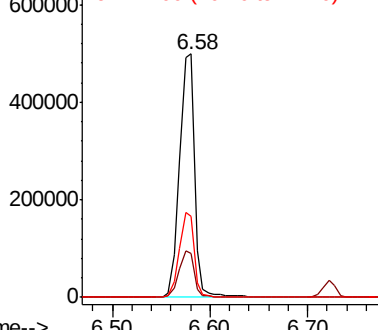
99 100

42 18.1 15.8 23.6

71 33.3 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: 5.526 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF110408.D

Acq: 2 Nov 2018 13:29

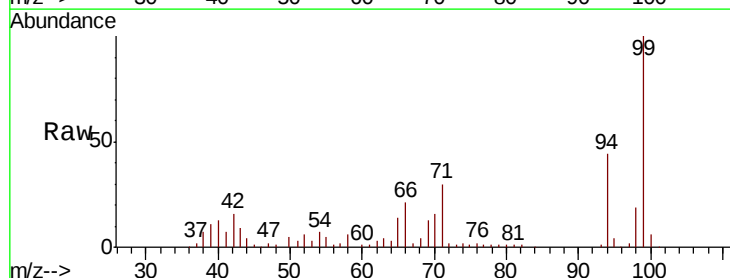
Tgt Ion: 94 Resp: 34040

Ion Ratio Lower Upper

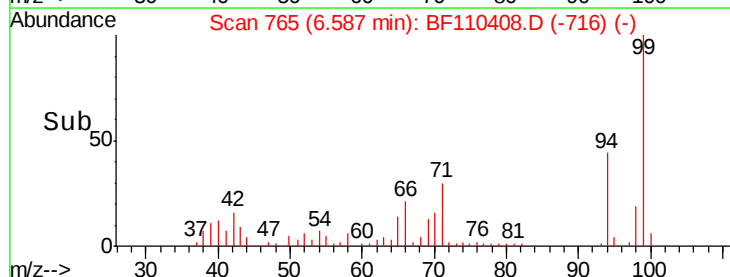
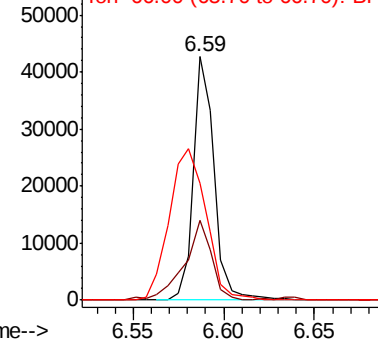
94 100

65 32.7 25.3 65.3

66 48.0 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

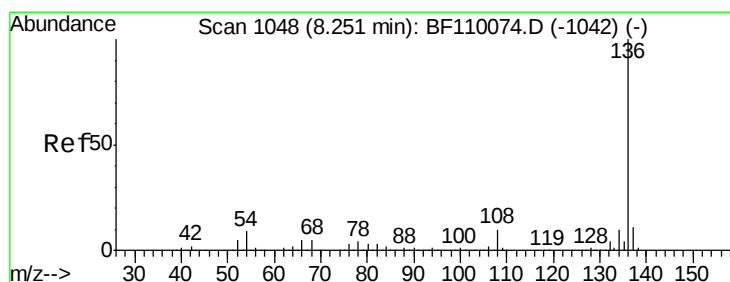
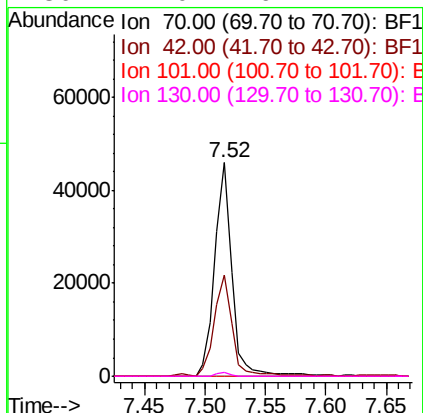
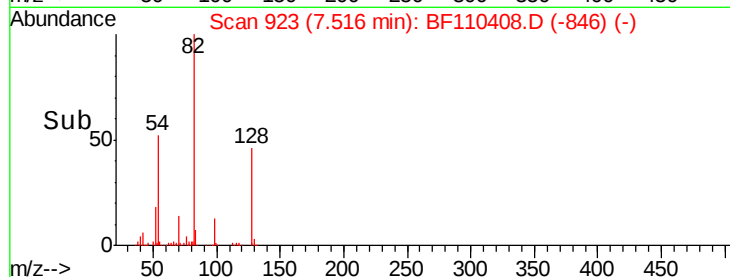
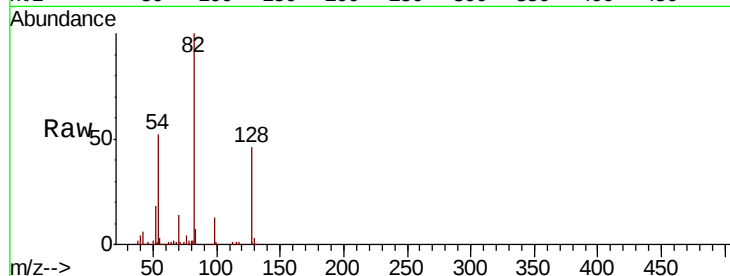




#19
n-Nitroso-di-n-propylamine
Concen: 12.266 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.15 min
Lab File: BF110408.D
Acq: 2 Nov 2018 13:29

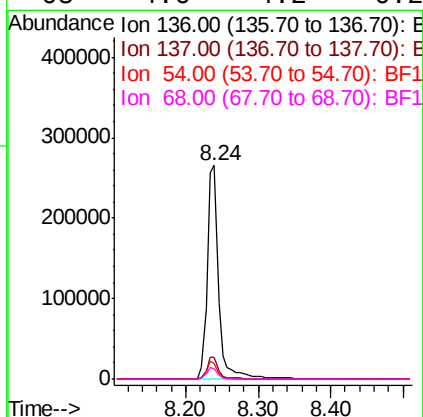
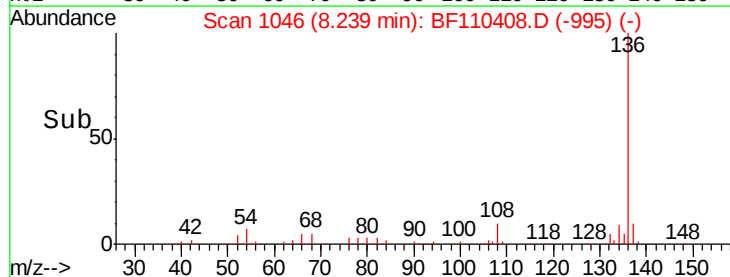
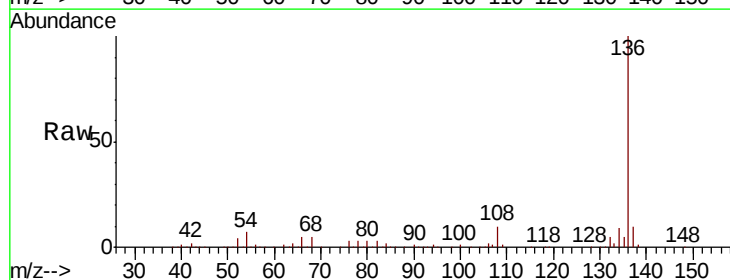
Instrument :
BNA_F
ClientSampleId :

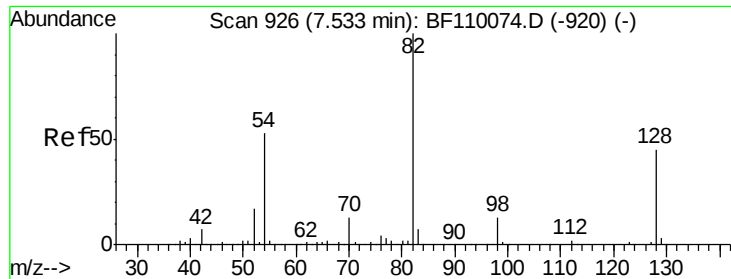
Tot Ion: 70 Resp: 45350
Ion Ratio Lower Upper
70 100
42 47.2 47.4 71.2#
101 0.0 7.3 10.9#
130 2.0 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110408.D
Acq: 2 Nov 2018 13:29

Tgt Ion: 136 Resp: 292235
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 7.3 5.4 8.2
68 4.6 4.2 6.2

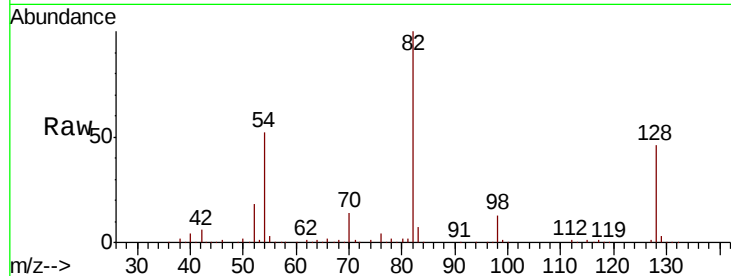




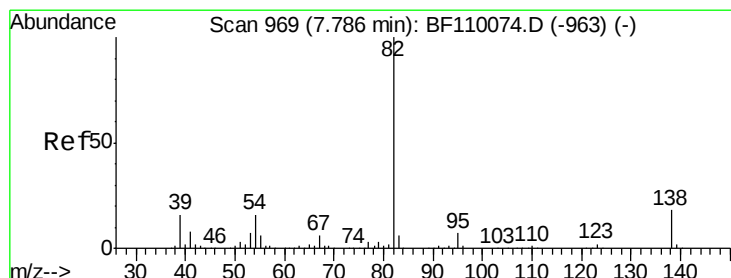
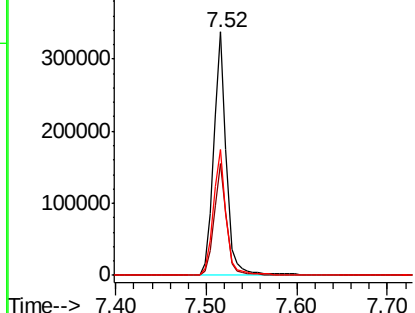
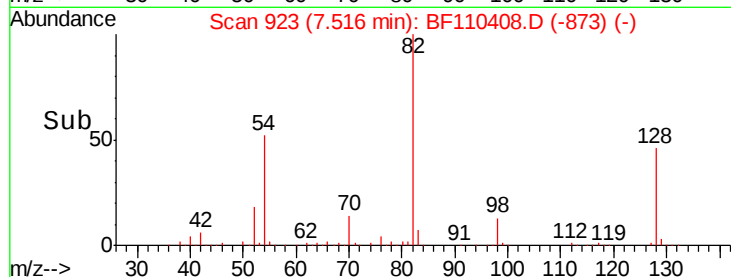
#23
Nitrobenzene-d5
Concen: 67.281 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110408.D
Acq: 2 Nov 2018 13:29

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 331491
Ion Ratio Lower Upper
82 100
128 46.0 34.2 51.2
54 51.6 38.6 58.0

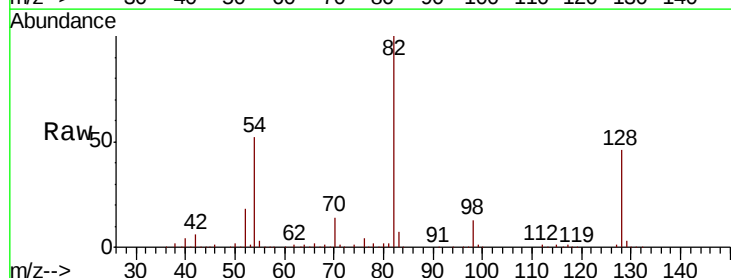


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

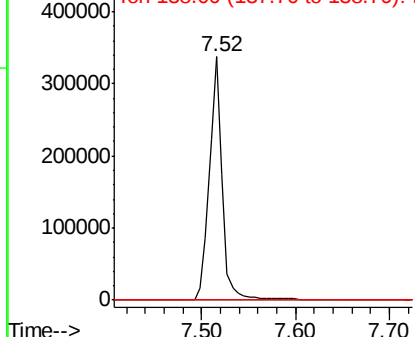
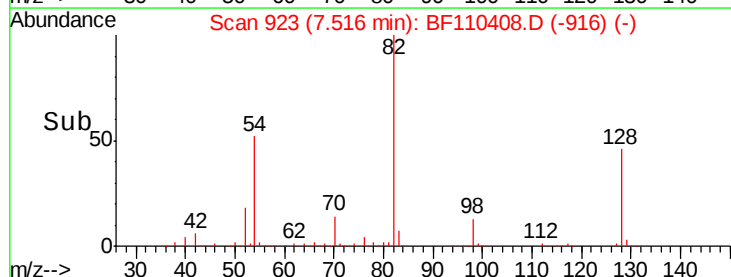


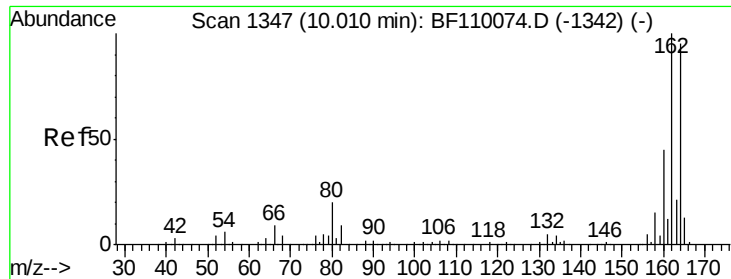
#25
Isophorone
Concen: 39.470 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.26 min
Lab File: BF110408.D
Acq: 2 Nov 2018 13:29

Tgt Ion: 82 Resp: 331488
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

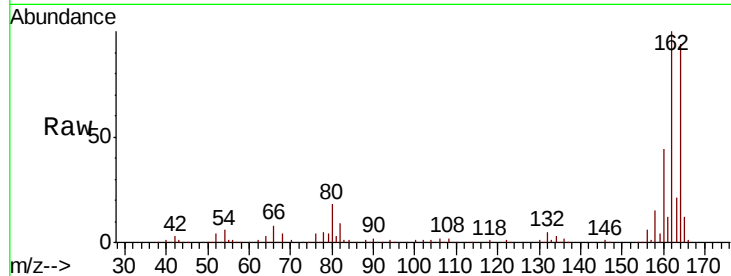




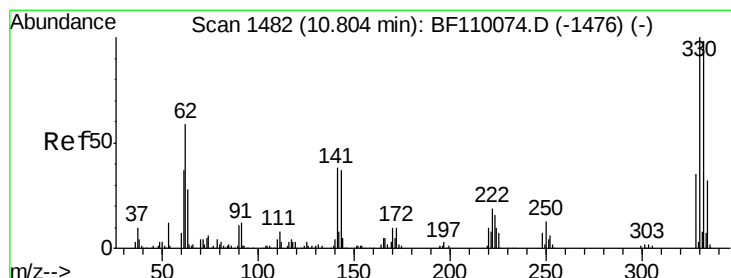
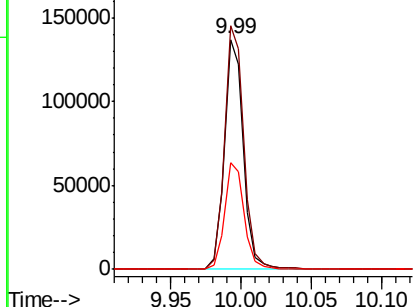
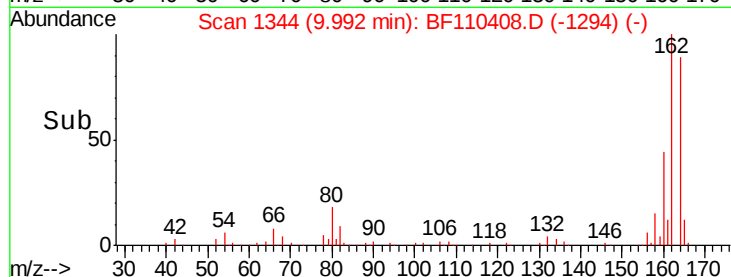
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF110408.D
Acq: 2 Nov 2018 13:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 127640
Ion Ratio Lower Upper
164 100
162 105.9 83.0 124.6
160 46.3 37.0 55.6

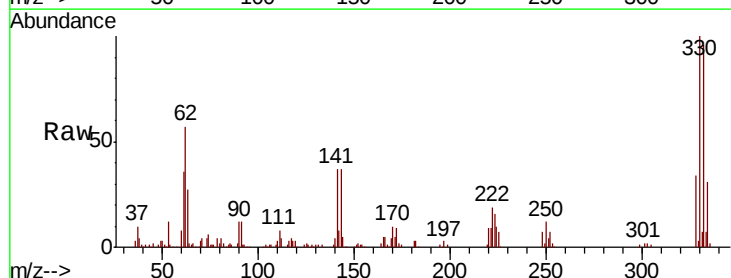


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

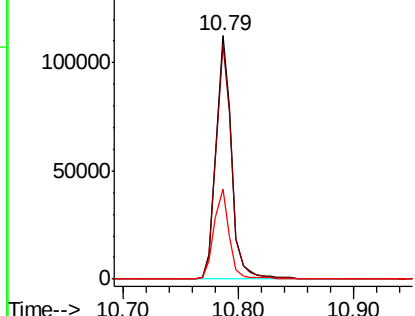
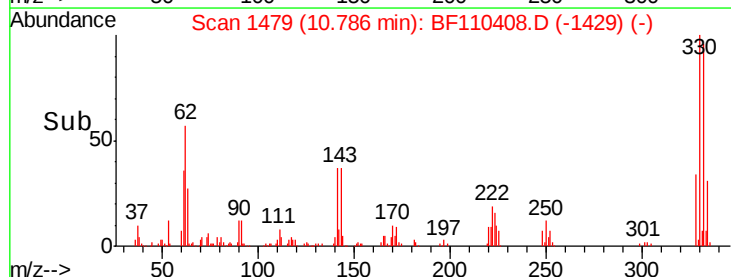


#42
2,4,6-Tribromophenol
Concen: 83.026 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BF110408.D
Acq: 2 Nov 2018 13:29

Tgt Ion:330 Resp: 104975
Ion Ratio Lower Upper
330 100
332 96.0 77.1 115.7
141 37.0 27.0 40.4



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

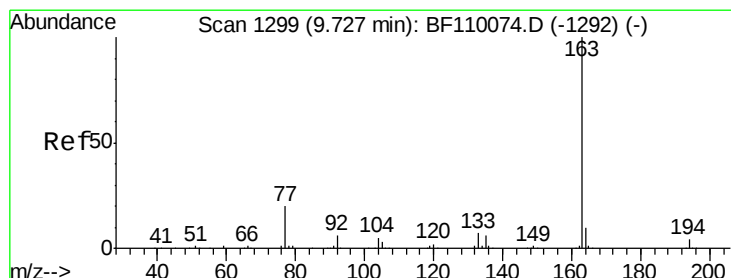
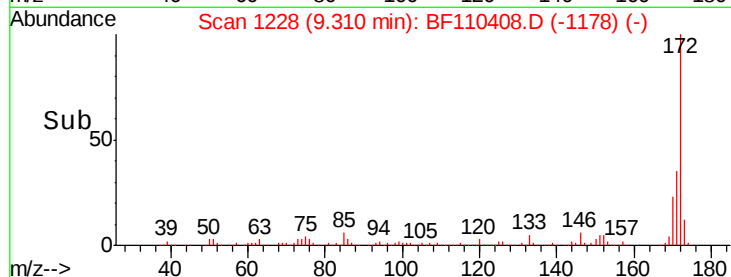
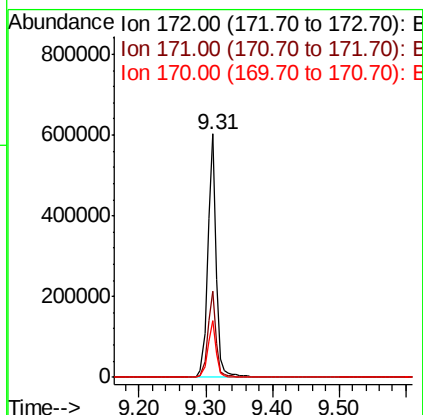
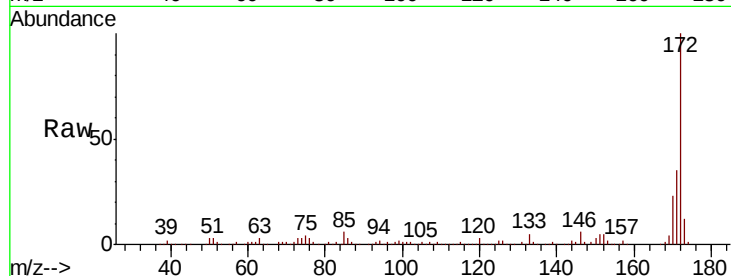




#45
 2-Fluorobiphenyl
 Concen: 64.667 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110408.D
 Acq: 2 Nov 2018 13:29

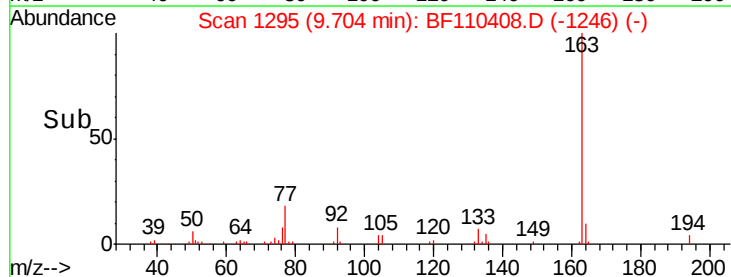
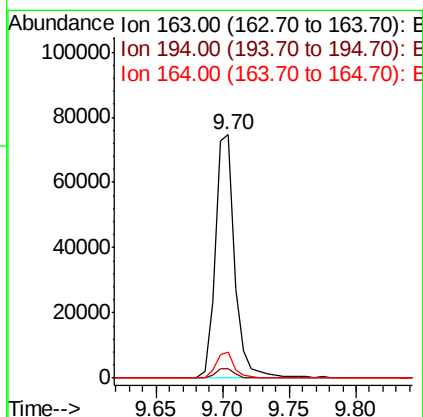
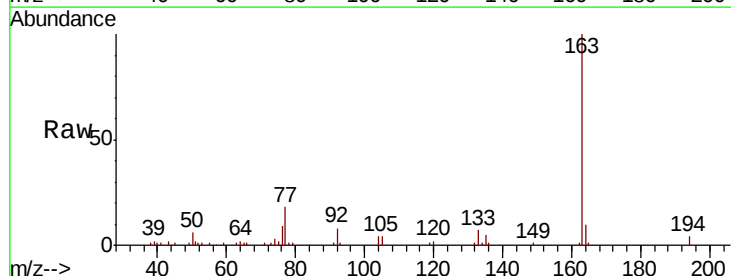
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 525653
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 43.0
 170 23.2 19.7 29.5



#50
 Dimethylphthalate
 Concen: 8.173 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF110408.D
 Acq: 2 Nov 2018 13:29

Tgt Ion:163 Resp: 77004
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.2 4.8
 164 10.5 8.1 12.1

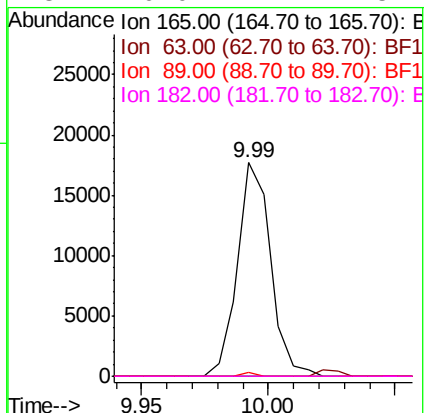
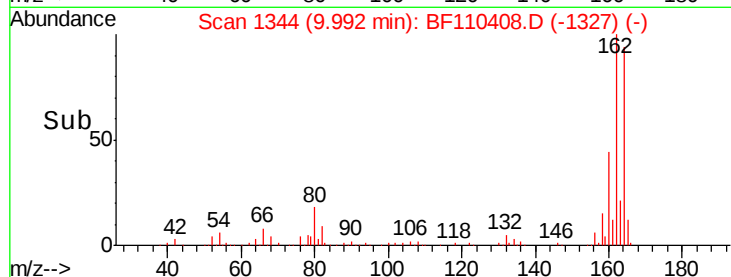
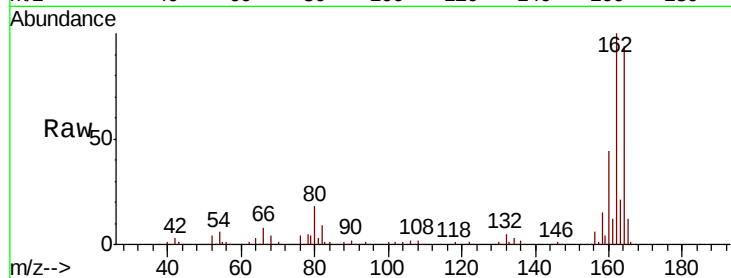




#57
2,4-Dinitrotoluene
Concen: 6.229 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.20 min
Lab File: BF110408.D
Acq: 2 Nov 2018 13:29

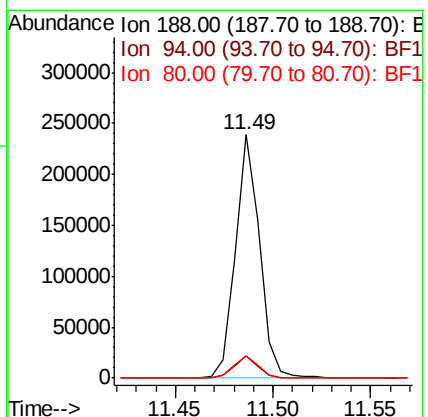
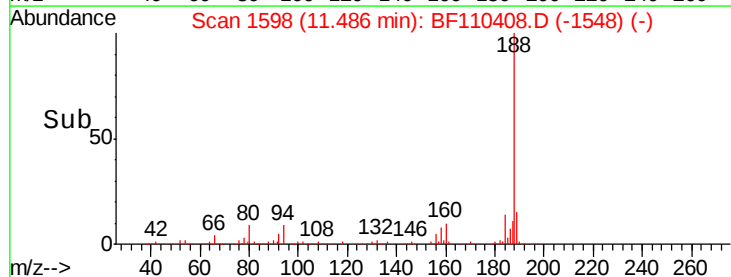
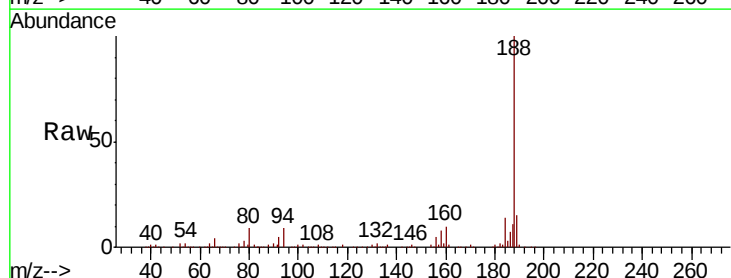
Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	1.7	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: BF110408.D
Acq: 2 Nov 2018 13:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	9.3	7.9	11.9

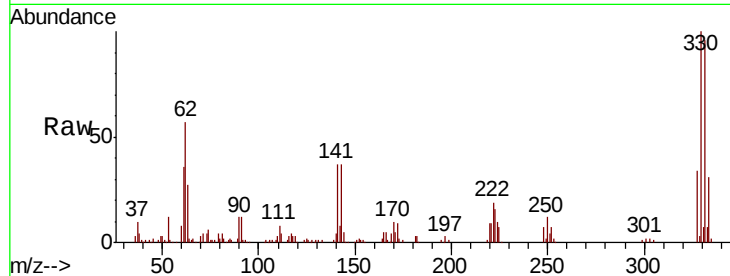




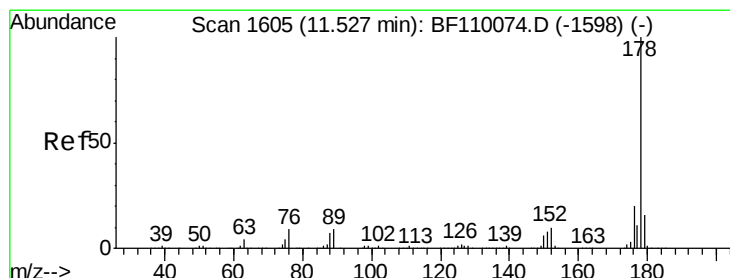
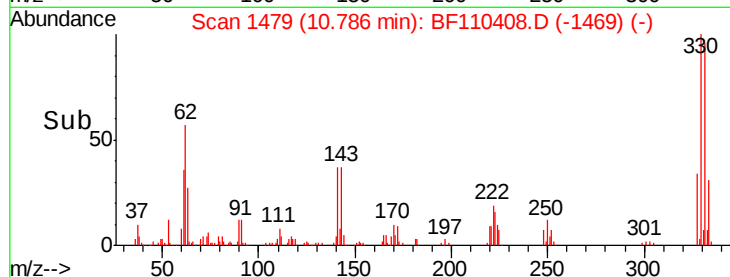
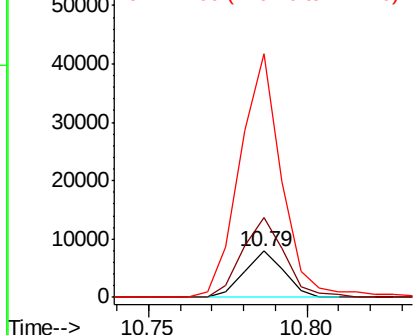
#67
4-Bromophenyl-phenylether
Concen: 3.093 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.24 min
Lab File: BF110408.D
Acq: 2 Nov 2018 13:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 6838
Ion Ratio Lower Upper
248 100
250 172.3 79.4 119.2#
141 525.3 55.9 83.9#

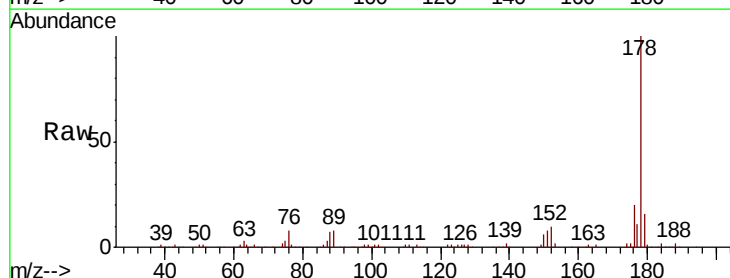


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

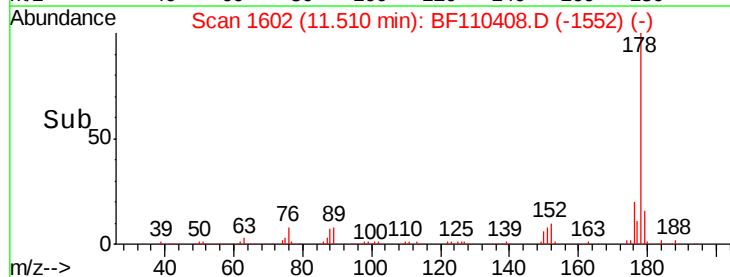
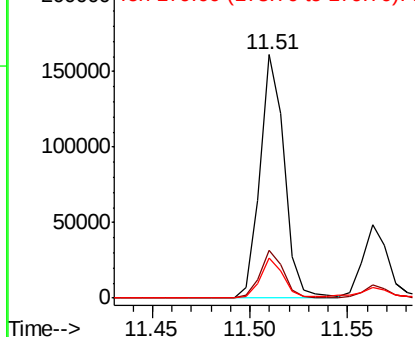


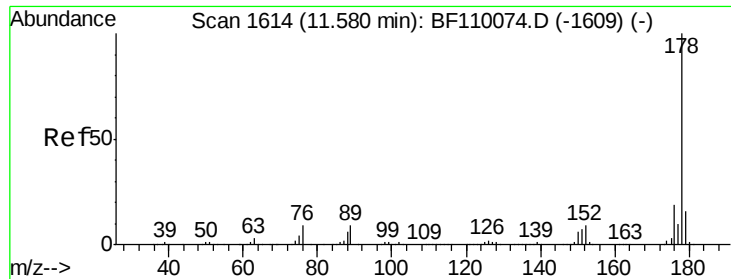
#71
Phenanthrene
Concen: 13.063 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF110408.D
Acq: 2 Nov 2018 13:29

Tgt Ion:178 Resp: 139313
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 16.3 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

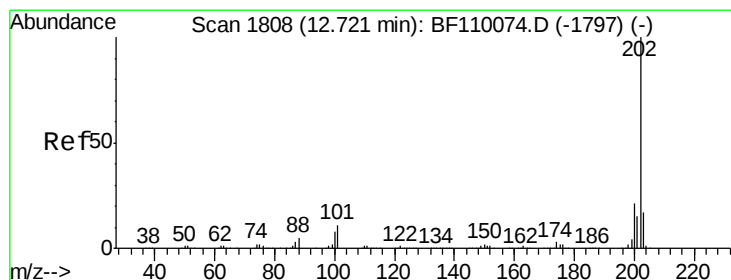
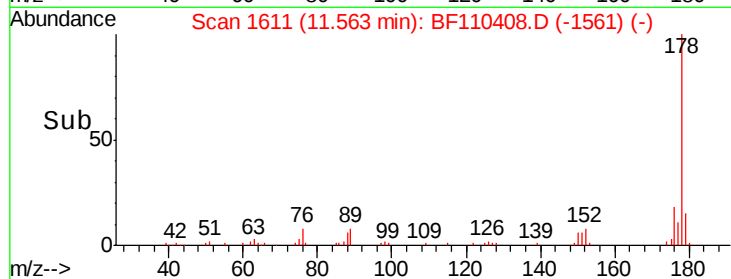
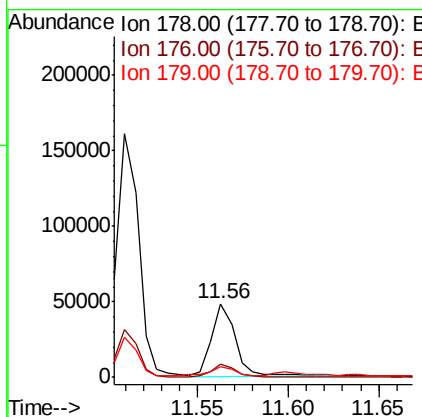
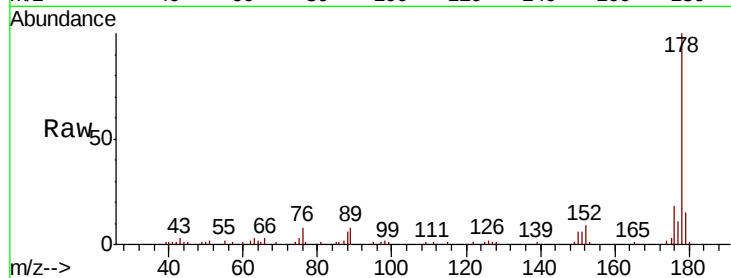




#72
 Anthracene
 Concen: 4.209 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF110408.D
 Acq: 2 Nov 2018 13:29

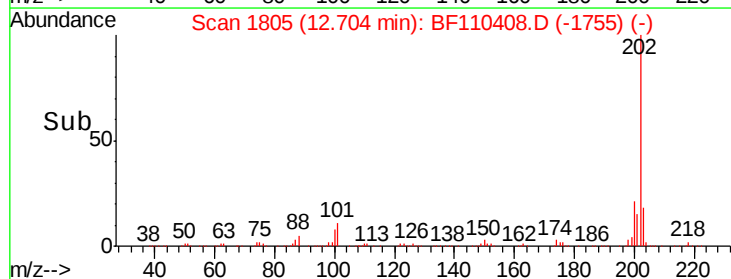
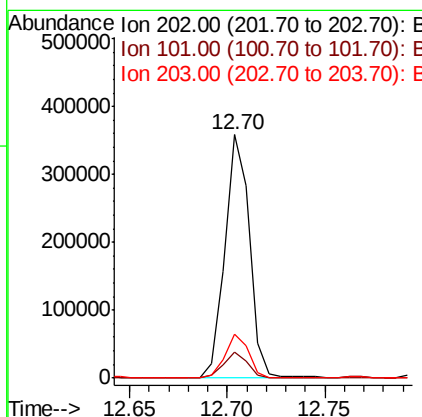
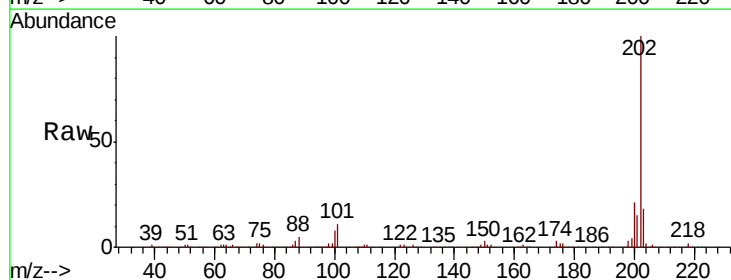
Instrument :
 BNA_F
 ClientSampleId :

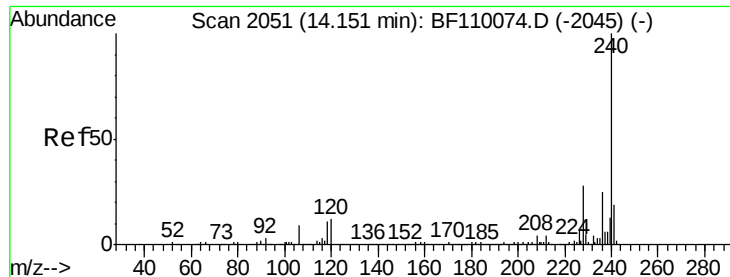
Tot Ion:178 Resp: 44990
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.2
 179 15.3 12.6 18.8



#75
 Fluoranthene
 Concen: 28.877 ng
 RT: 12.70 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: BF110408.D
 Acq: 2 Nov 2018 13:29

Tgt Ion:202 Resp: 312554
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 31.4
 203 17.9 0.0 37.7

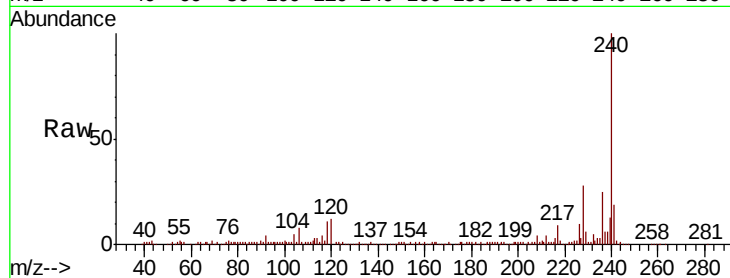




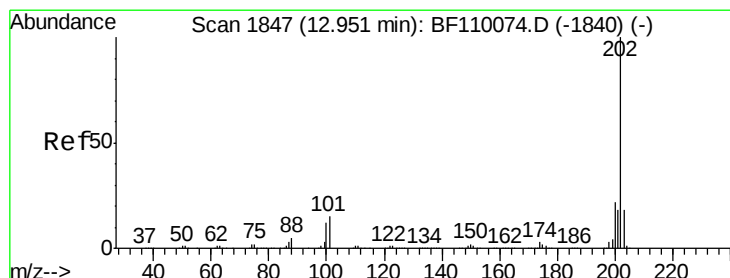
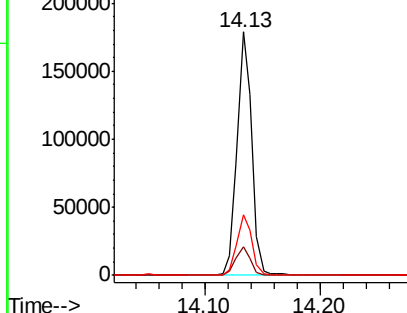
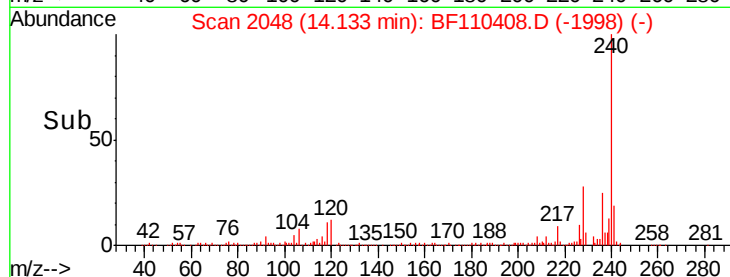
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110408.D
Acq: 2 Nov 2018 13:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:240 Resp: 157665
Ion Ratio Lower Upper
240 100
120 11.9 8.3 12.5
236 24.9 21.2 31.8

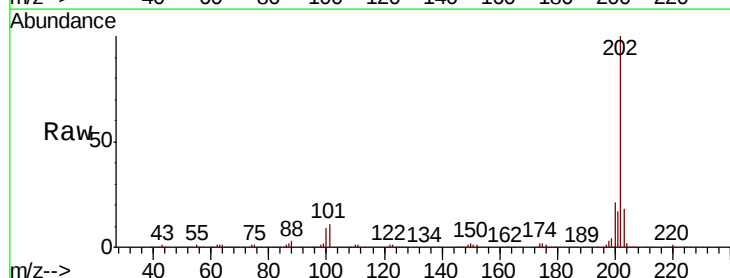


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

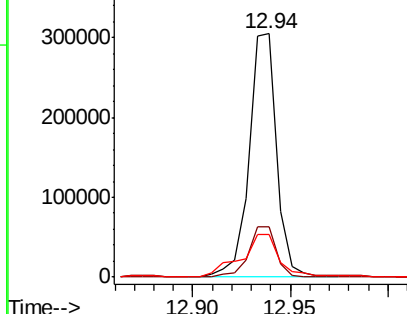
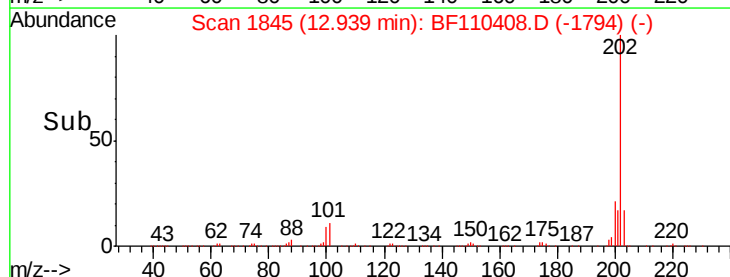


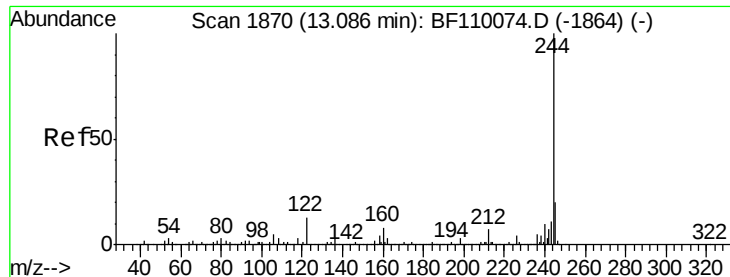
#78
Pyrene
Concen: 26.390 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF110408.D
Acq: 2 Nov 2018 13:29

Tgt Ion:202 Resp: 298287
Ion Ratio Lower Upper
202 100
200 20.9 17.8 26.6
203 17.7 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 49.889 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110408.D

Acq: 2 Nov 2018 13:29

Instrument :

BNA_F

ClientSampleId :

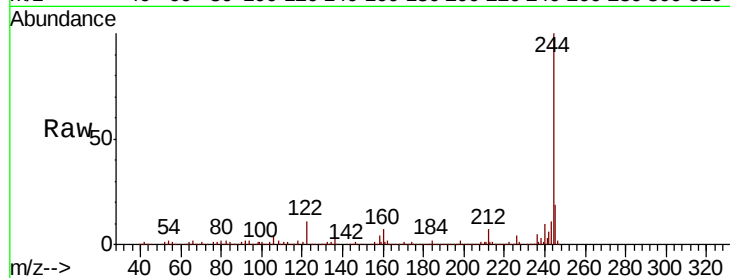
Tot Ion:244 Resp: 378211

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

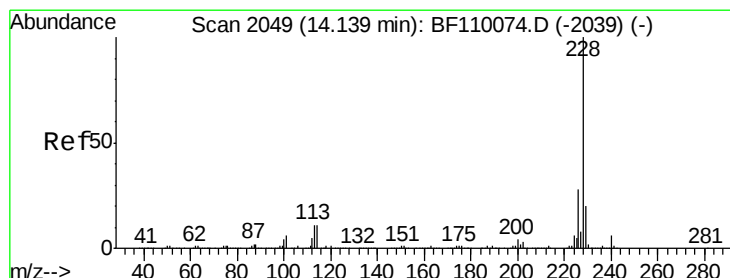
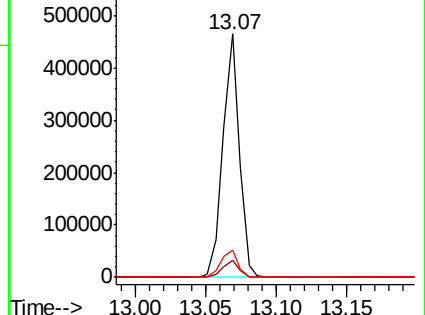
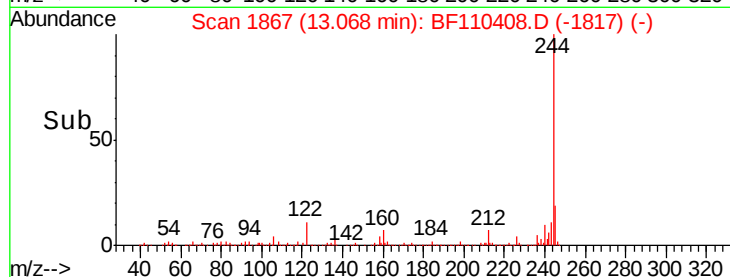
122 11.2 8.7 13.1



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: 19.473 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110408.D

Acq: 2 Nov 2018 13:29

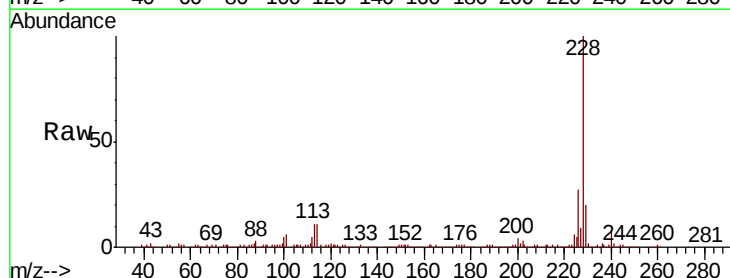
Tgt Ion:228 Resp: 182074

Ion Ratio Lower Upper

228 100

226 27.4 22.1 33.1

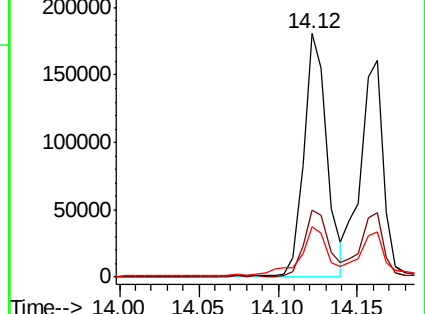
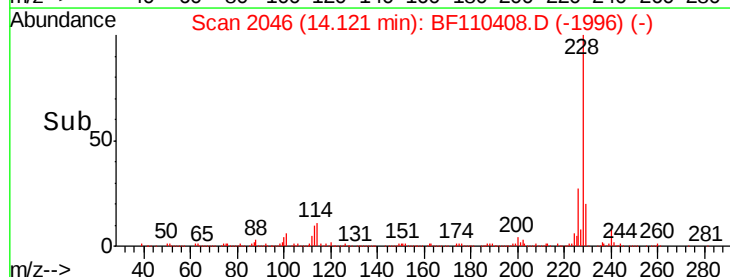
229 20.5 15.6 23.4

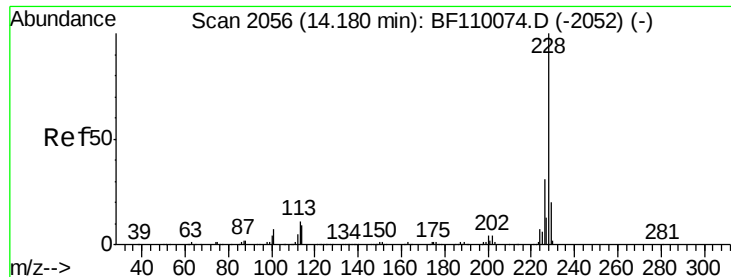


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 18.409 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF110408.D

Acq: 2 Nov 2018 13:29

Instrument :

BNA_F

ClientSampled :

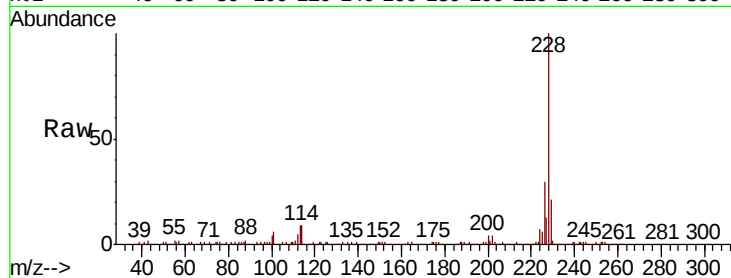
Tot Ion:228 Resp: 163480

Ion Ratio Lower Upper

228 100

226 30.0 24.7 37.1

229 21.0 15.9 23.9

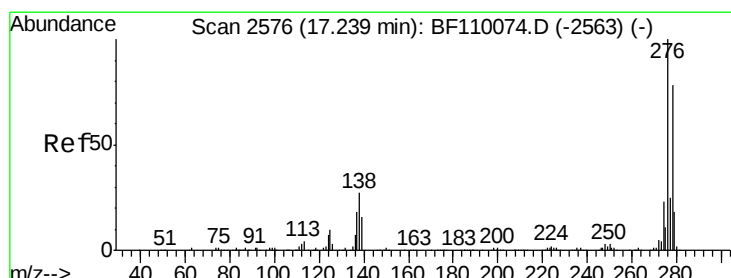
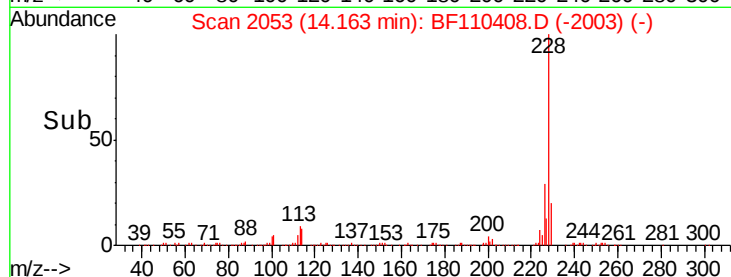
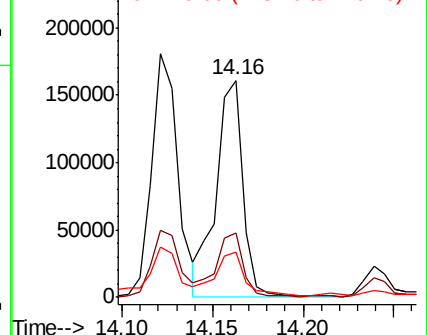


Abundance

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: 10.503 ng

RT: 17.22 min Scan# 2572

Delta R.T. -0.01 min

Lab File: BF110408.D

Acq: 2 Nov 2018 13:29

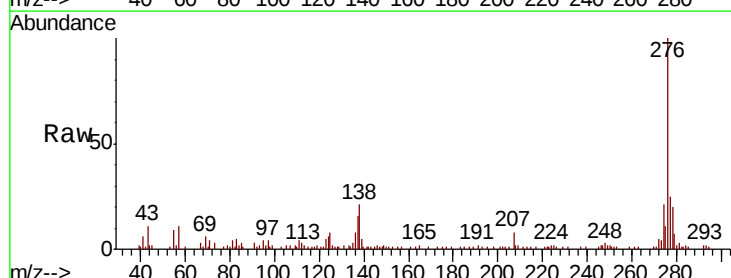
Tgt Ion:276 Resp: 77381

Ion Ratio Lower Upper

276 100

138 22.2 18.5 27.7

277 24.1 20.0 30.0

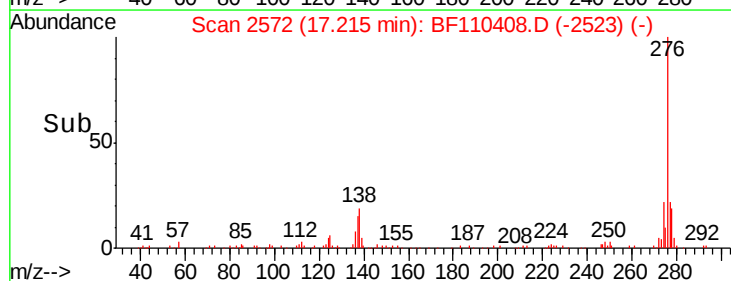
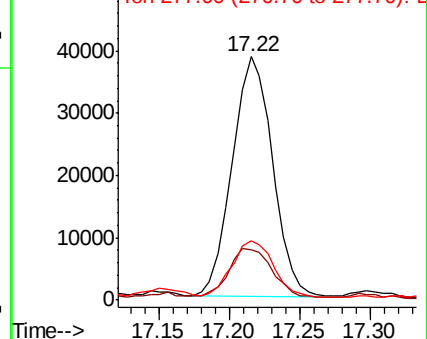


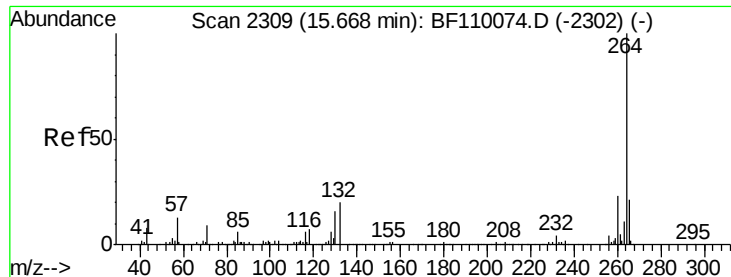
Abundance

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

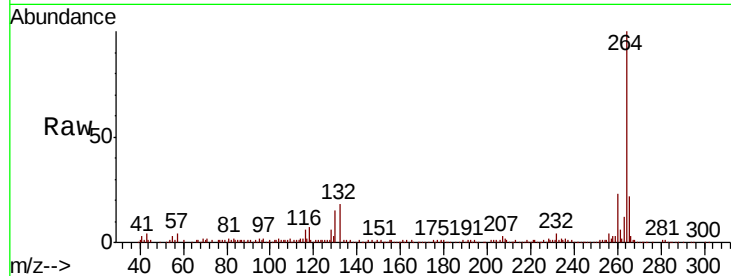




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110408.D
Acq: 2 Nov 2018 13:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	22.4	16.7	25.1

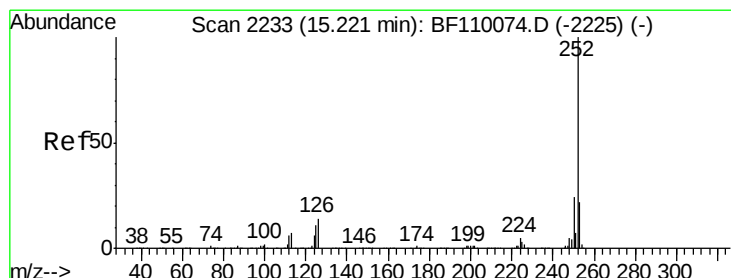
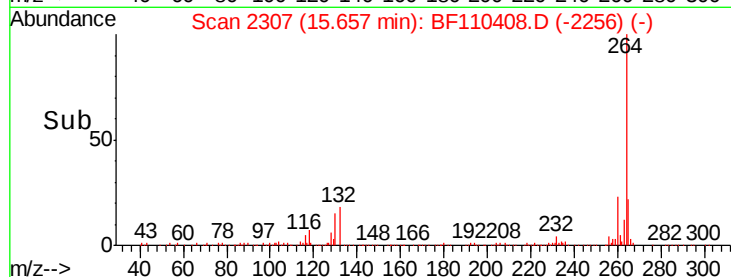
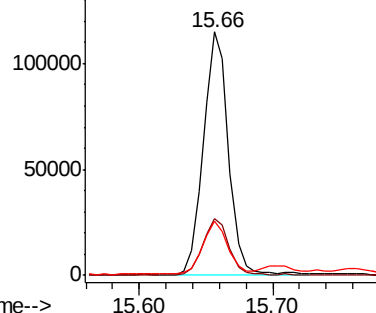


Abundance

Ion 264.00 (263.70 to 264.70): E

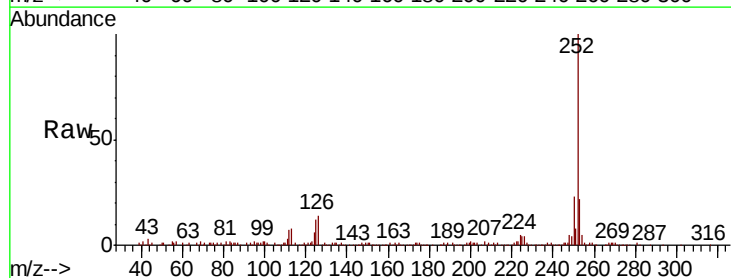
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 33.612 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110408.D
Acq: 2 Nov 2018 13:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	11.8	8.2	12.4

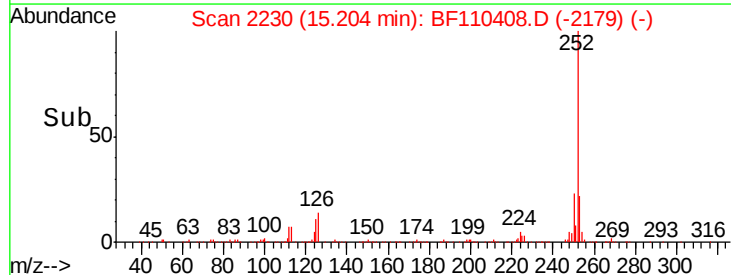
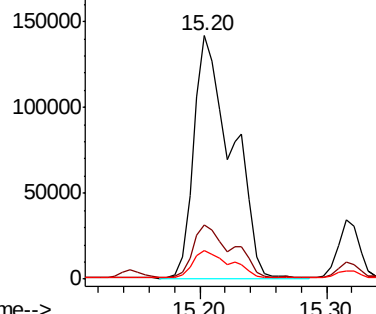


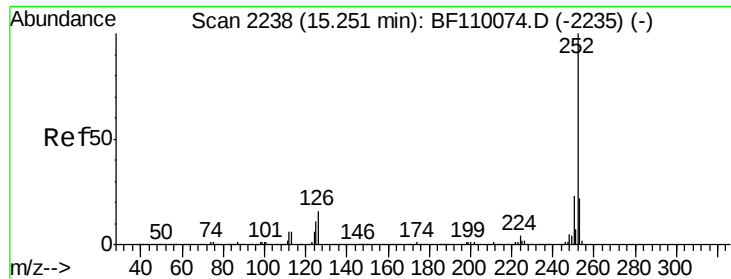
Abundance

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

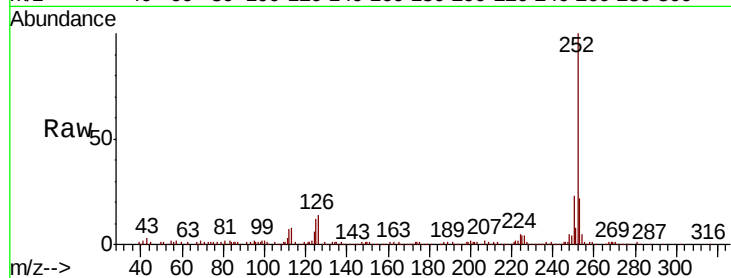




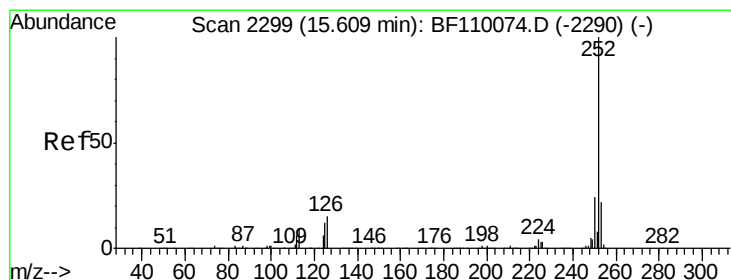
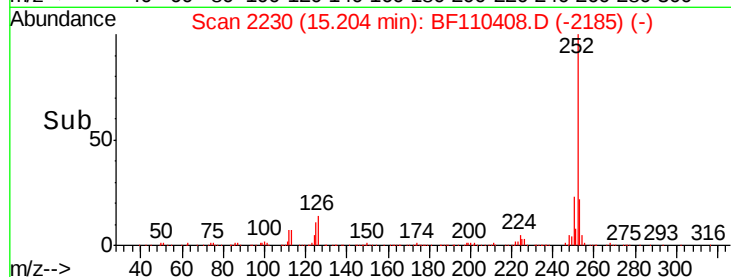
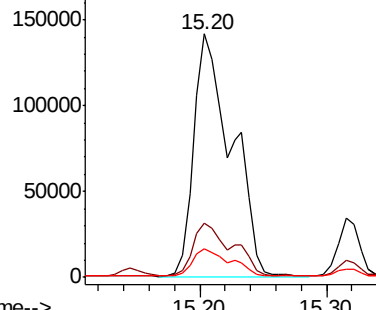
#89
Benzo(k)fluoranthene
Concen: 34.189 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110408.D
Acq: 2 Nov 2018 13:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 294439
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 11.8 7.4 11.0#

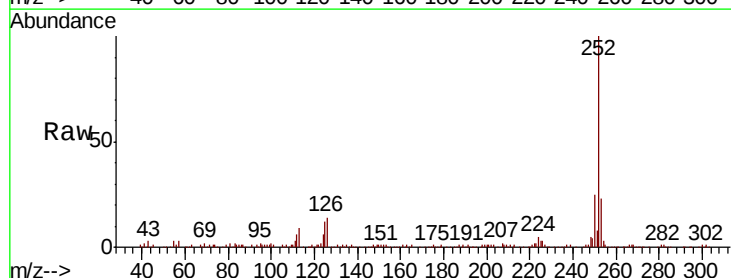


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

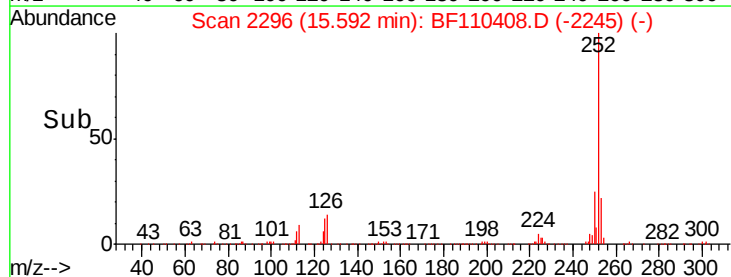
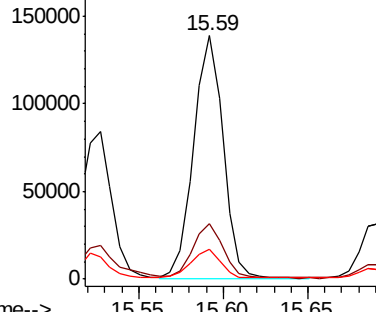


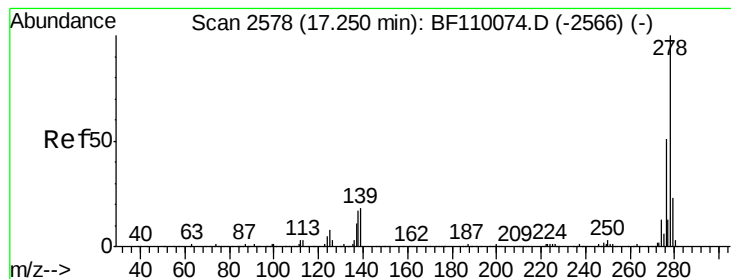
#90
Benzo(a)pyrene
Concen: 20.909 ng
RT: 15.59 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF110408.D
Acq: 2 Nov 2018 13:29

Tgt Ion:252 Resp: 168543
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.4
125 12.1 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





#91

Dibenzo(a,h)anthracene

Concen: 2.840 ng

RT: 17.40 min Scan# 2604

Delta R.T. 0.16 min

Lab File: BF110408.D

Acq: 2 Nov 2018 13:29

Instrument :

BNA_F

ClientSampleId :

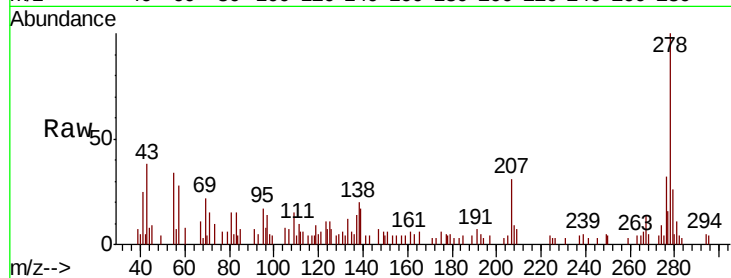
Tot Ion:278 Resp: 19751

Ion Ratio Lower Upper

278 100

139 16.9 12.7 19.1

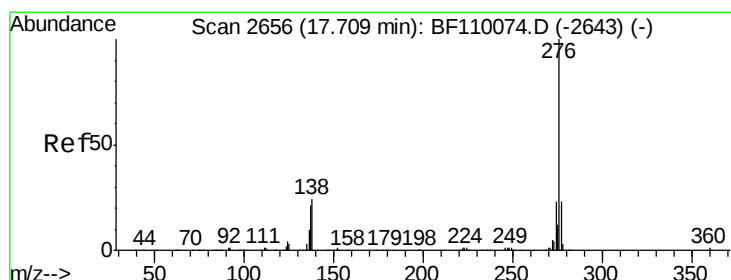
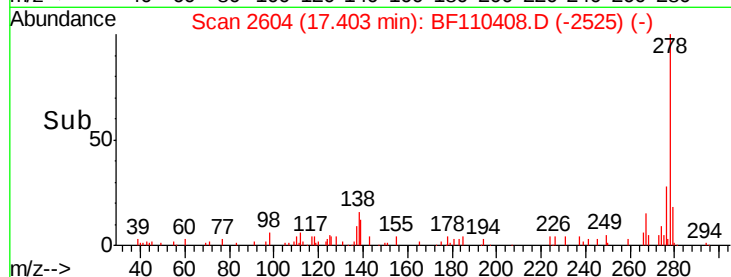
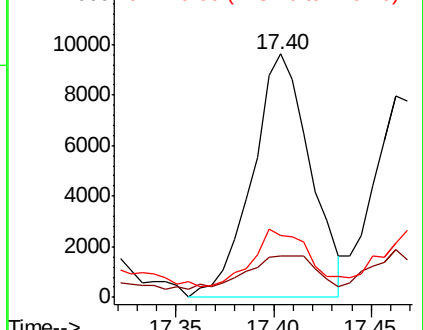
279 25.6 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 10.339 ng

RT: 17.70 min Scan# 2654

Delta R.T. -0.01 min

Lab File: BF110408.D

Acq: 2 Nov 2018 13:29

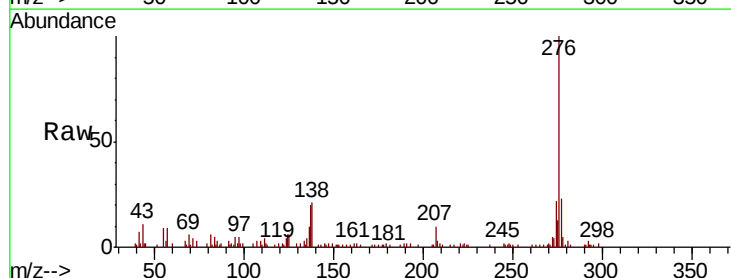
Tgt Ion:276 Resp: 70858

Ion Ratio Lower Upper

276 100

277 23.1 18.8 28.2

138 21.2 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

