

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
 Data File : BF110407.D
 Acq On : 2 Nov 2018 13:02
 Operator : JU/SJ
 Sample : J5759-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

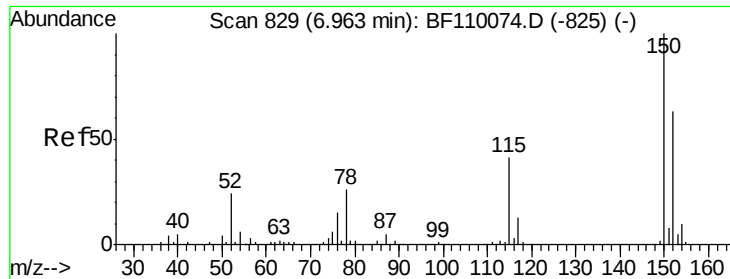
Quant Time: Nov 02 22:55:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	85800	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	337172	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	143996	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	226604	20.00	ng	0.00
76) Chrysene-d12	14.13	240	187484	20.00	ng	0.00
87) Perylene-d12	15.66	264	186208	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	301884	57.30	ng	0.00
7) Phenol-d6	6.57	99	410143	60.86	ng	0.00
23) Nitrobenzene-d5	7.52	82	272760	47.98	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	99992	70.10	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	525683	57.33	ng	0.00
79) Terphenyl-d14	13.07	244	457257	50.72	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	595	Below Cal		# 1
10) Phenol	6.59	94	24429	3.391	ng	# 65
19) n-Nitroso-di-n-propylamine	7.52	70	36158	8.363	ng	# 81
25) Isophorone	7.52	82	272758	28.148	ng	# 67
50) Dimethylphthalate	9.70	163	80819	7.603	ng	99
57) 2,4-Dinitrotoluene	9.99	165	18648	6.412	ng	# 18
67) 4-Bromophenyl-phenylether	10.79	248	6217	2.529	ng	# 1
71) Phenanthrene	11.51	178	84171	7.099	ng	98
75) Fluoranthene	12.70	202	131453	10.924	ng	97
78) Pyrene	12.93	202	127284	9.470	ng	97
81) Benzo(a)anthracene	14.12	228	63698	5.729	ng	99
83) Chrysene	14.16	228	55805	5.285	ng	96
86) Indeno(1,2,3-cd)pyrene	17.22	276	26189	2.989	ng	97
88) Benzo(b)fluoranthene	15.20	252	93162	8.664	ng	# 93
89) Benzo(k)fluoranthene	15.20	252	93162	8.813	ng	# 93
90) Benzo(a)pyrene	15.59	252	50591	5.113	ng	# 98
92) Benzo(a,h,i)perylene	17.69	276	24701	2.936	ng	# 94

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

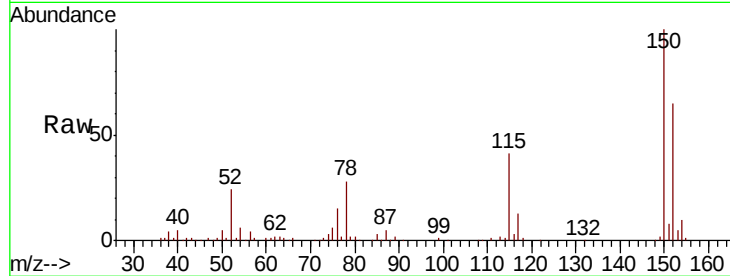


#1

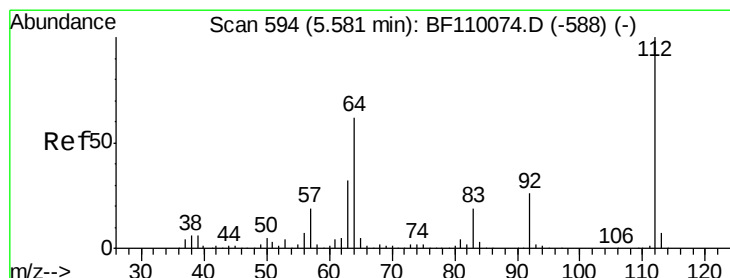
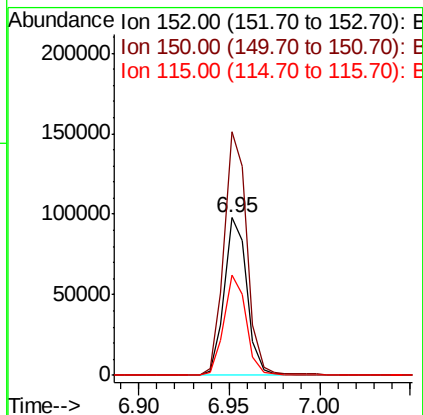
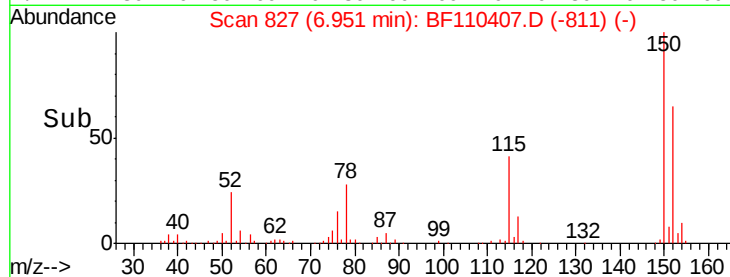
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110407.D
Acq: 2 Nov 2018 13:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 85800
Ion Ratio Lower Upper
152 100
150 154.7 122.7 184.1
115 64.0 49.1 73.7



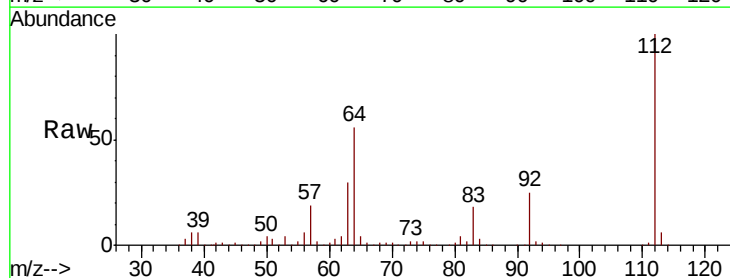
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



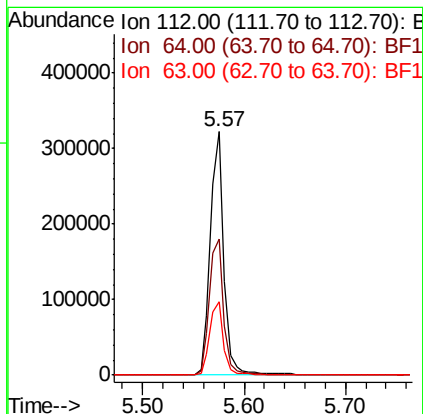
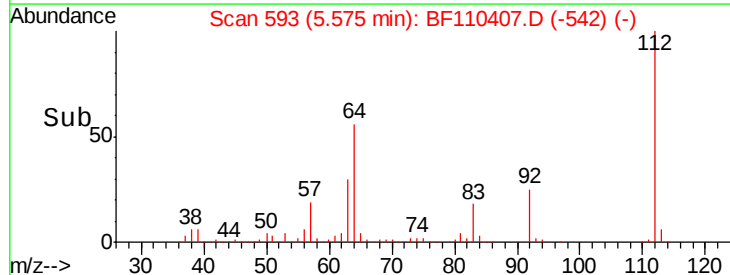
#5

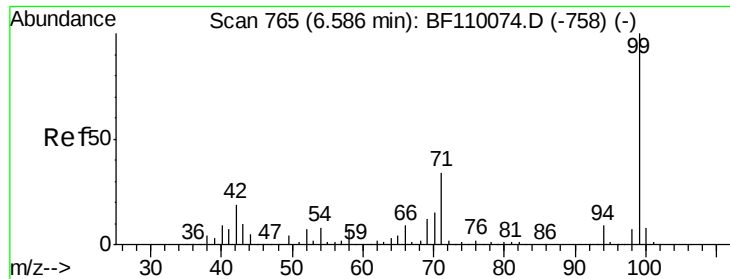
2-Fluorophenol
Concen: 57.296 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF110407.D
Acq: 2 Nov 2018 13:02

Tgt Ion:112 Resp: 301884
Ion Ratio Lower Upper
112 100
64 56.1 44.1 66.1
63 30.1 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: 60.859 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110407.D

Acq: 2 Nov 2018 13:02

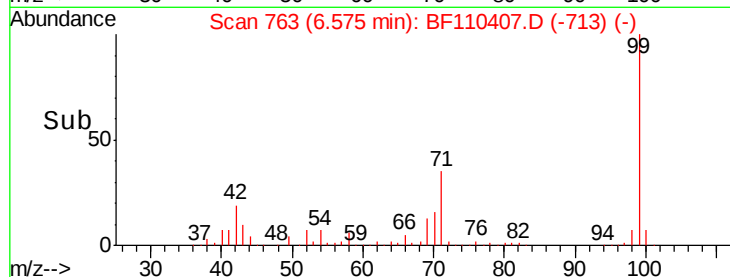
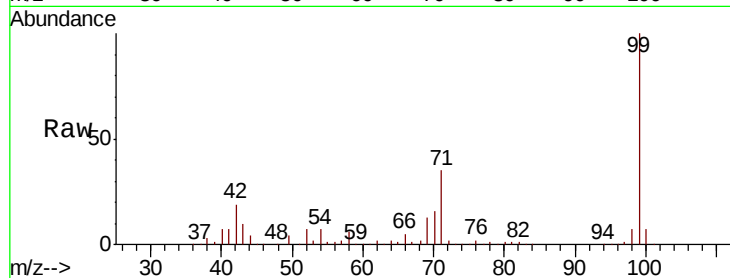
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 410143

Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.8	23.6
71	34.9	28.0	42.0

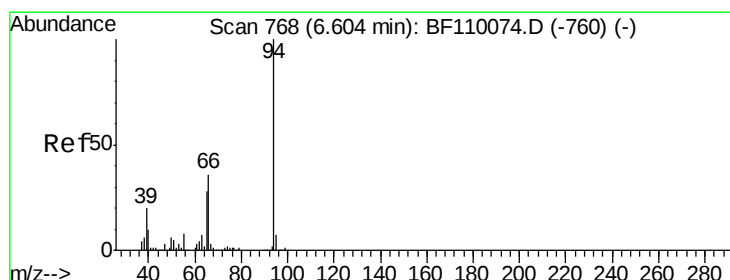
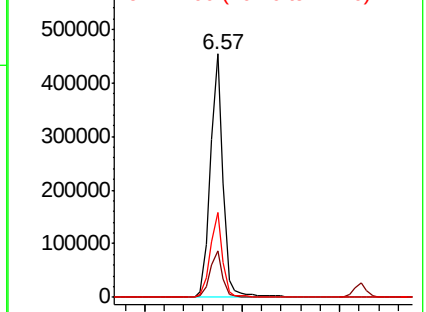


Abundance

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: 3.391 ng

RT: 6.59 min Scan# 765

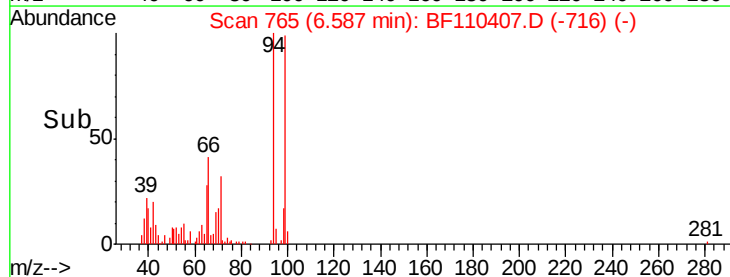
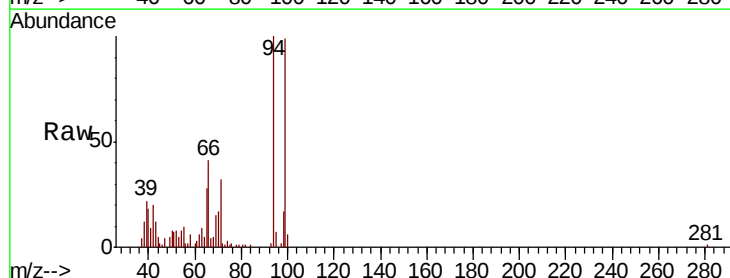
Delta R.T. -0.01 min

Lab File: BF110407.D

Acq: 2 Nov 2018 13:02

Tgt Ion: 94 Resp: 24429

Ion	Ratio	Lower	Upper
94	100		
65	27.9	25.3	65.3
66	40.7	54.5	94.5#

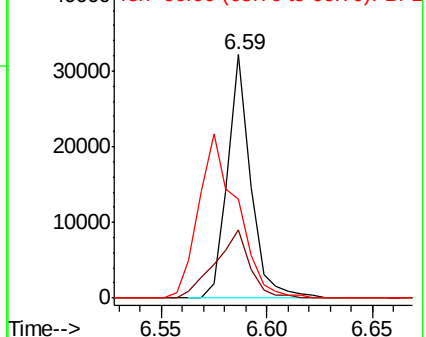


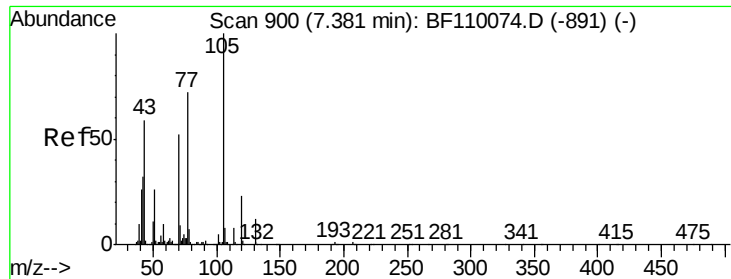
Abundance

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

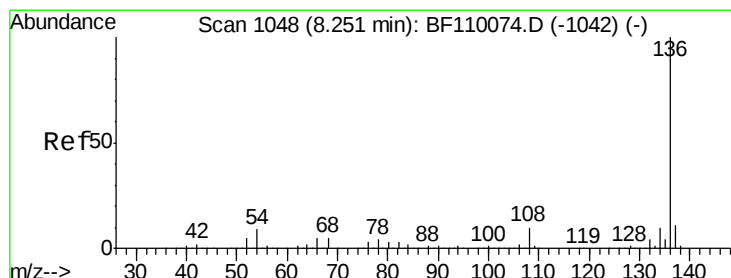
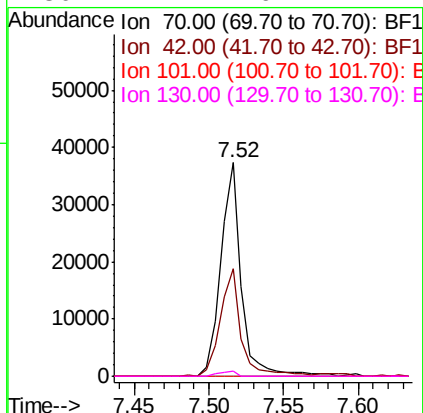
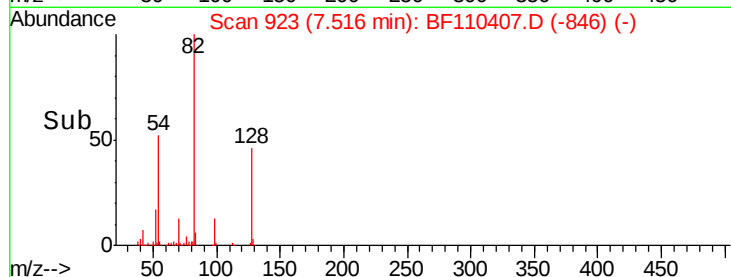
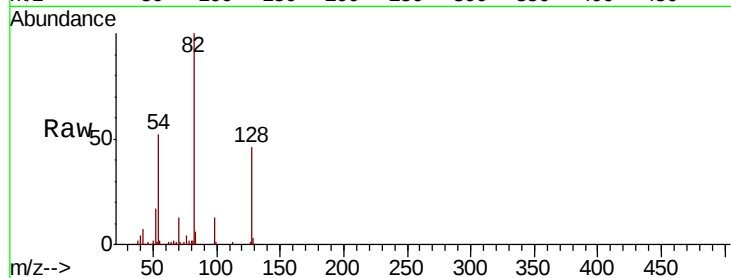




#19
n-Nitroso-di-n-propylamine
Concen: 8.363 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.15 min
Lab File: BF110407.D
Acq: 2 Nov 2018 13:02

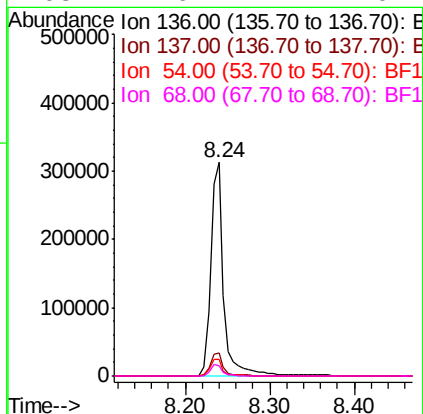
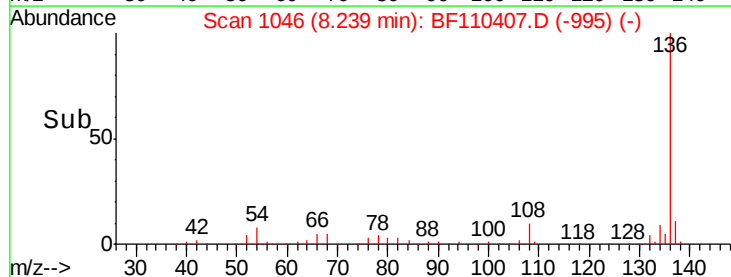
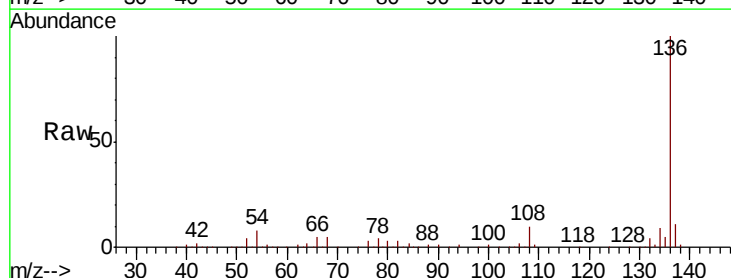
Instrument :
BNA_F
ClientSampleId :

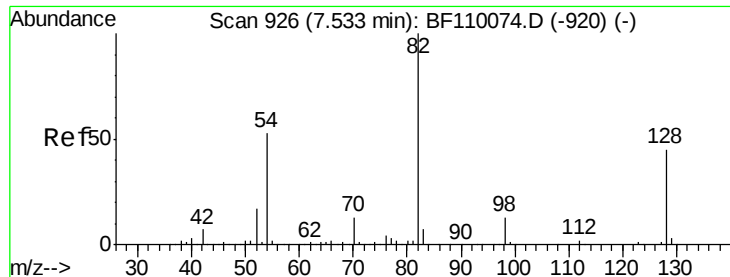
Tot Ion: 70 Resp: 36158
Ion Ratio Lower Upper
70 100
42 50.4 47.4 71.2
101 0.0 7.3 10.9#
130 2.2 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110407.D
Acq: 2 Nov 2018 13:02

Tgt Ion: 136 Resp: 337172
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.5 5.4 8.2
68 4.6 4.2 6.2

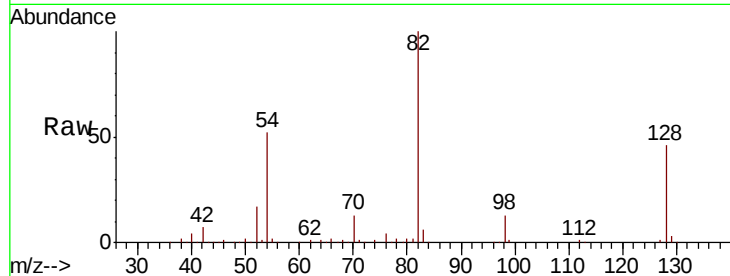




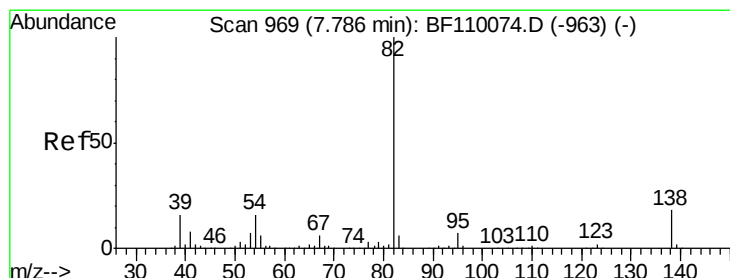
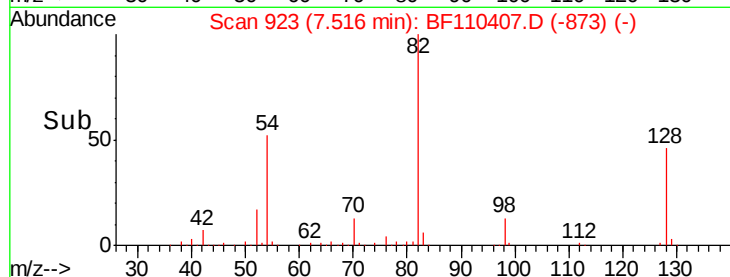
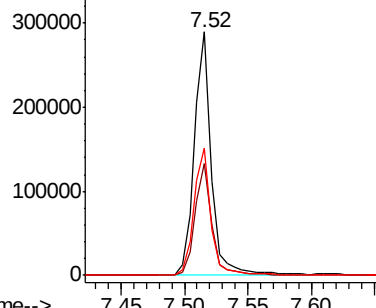
#23
Nitrobenzene-d5
Concen: 47.982 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110407.D
Acq: 2 Nov 2018 13:02

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 272760
Ion Ratio Lower Upper
82 100
128 46.1 34.2 51.2
54 52.1 38.6 58.0

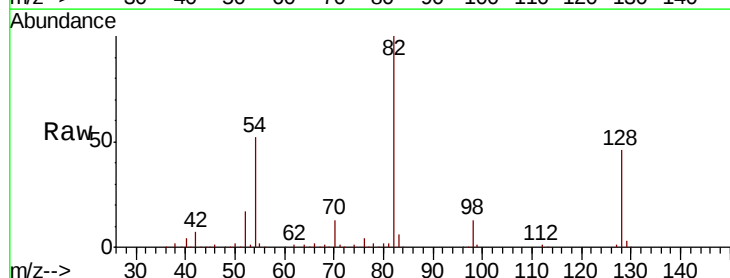


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

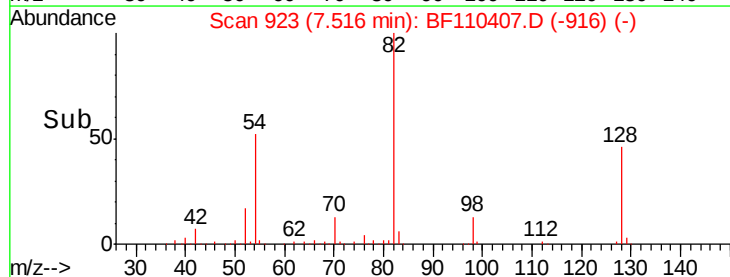
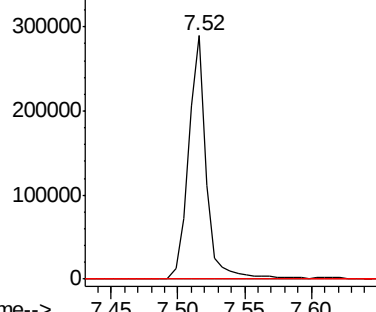


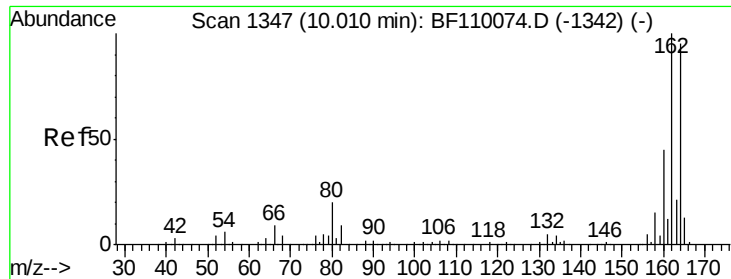
#25
Isophorone
Concen: 28.148 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.26 min
Lab File: BF110407.D
Acq: 2 Nov 2018 13:02

Tgt Ion: 82 Resp: 272758
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

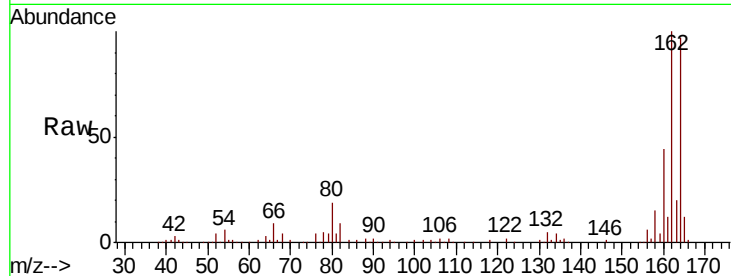




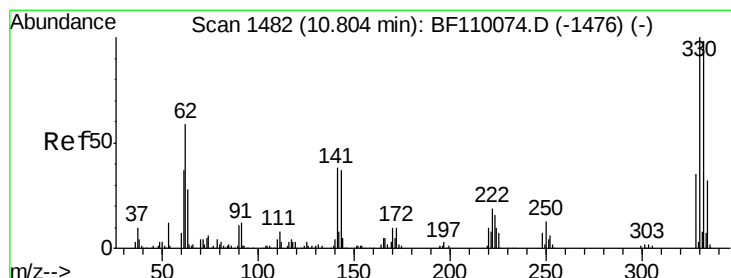
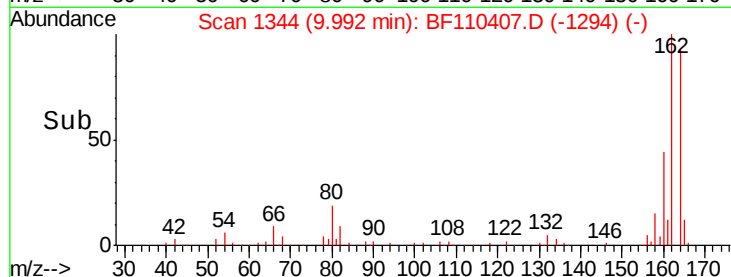
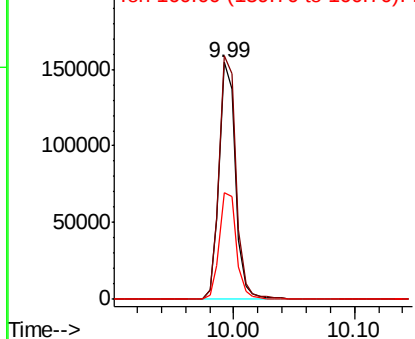
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF110407.D
Acq: 2 Nov 2018 13:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 143996
Ion Ratio Lower Upper
164 100
162 102.8 83.0 124.6
160 44.9 37.0 55.6

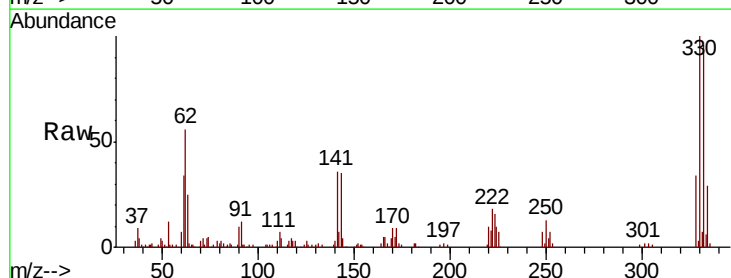


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

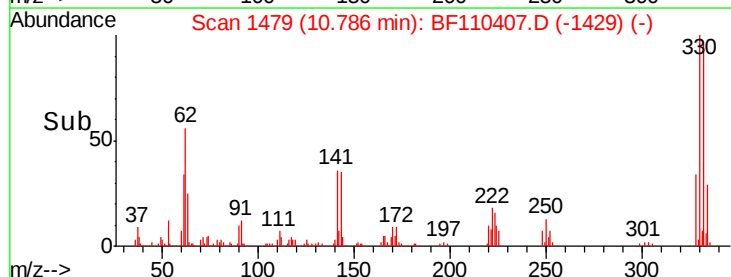
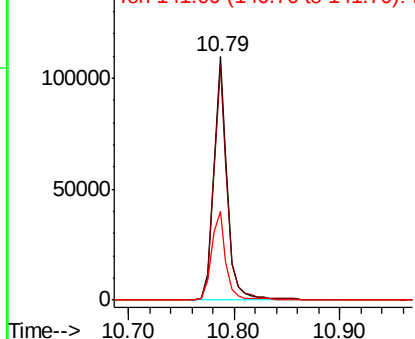


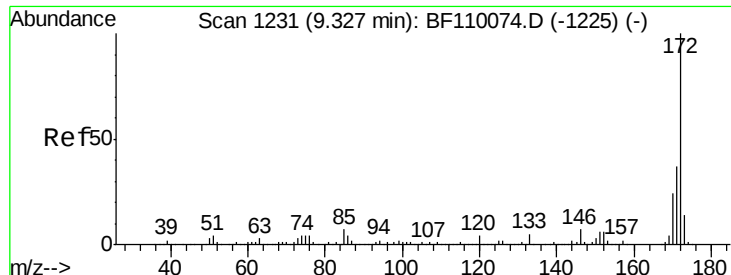
#42
2,4,6-Tribromophenol
Concen: 70.102 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BF110407.D
Acq: 2 Nov 2018 13:02

Tgt Ion:330 Resp: 99992
Ion Ratio Lower Upper
330 100
332 95.7 77.1 115.7
141 38.2 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

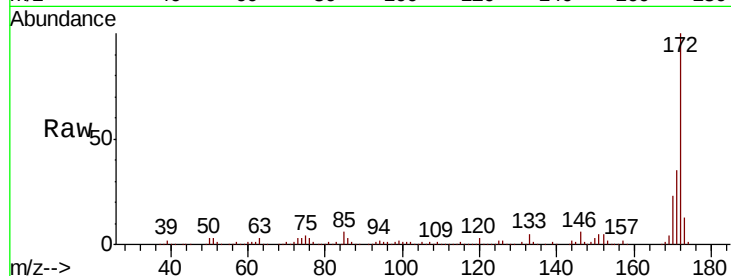




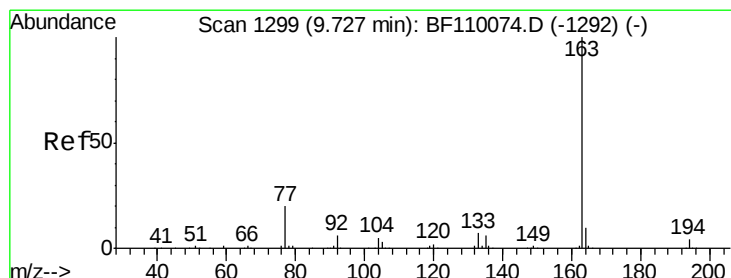
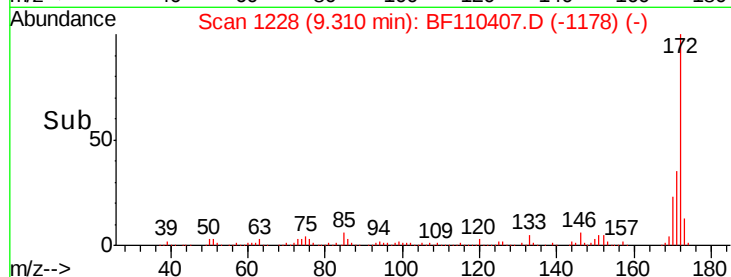
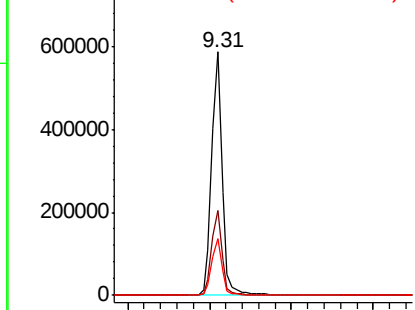
#45
2-Fluorobiphenyl
Concen: 57.325 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF110407.D
Acq: 2 Nov 2018 13:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 525683
Ion Ratio Lower Upper
172 100
171 34.8 28.6 43.0
170 23.2 19.7 29.5

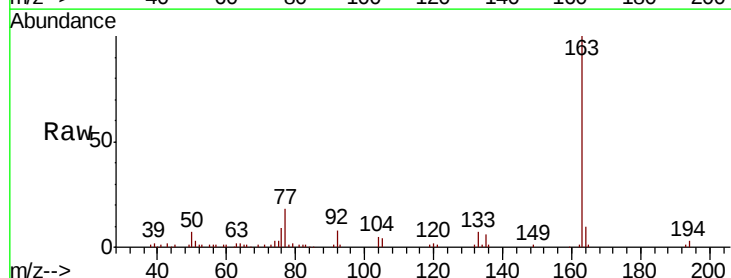


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

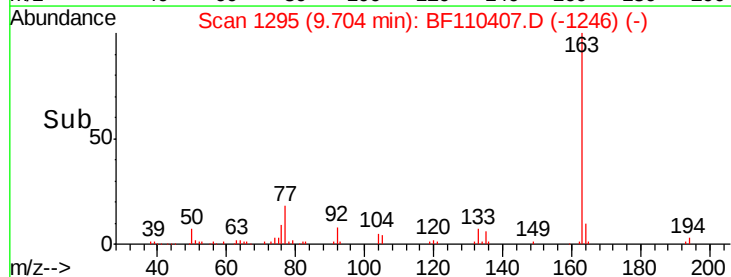
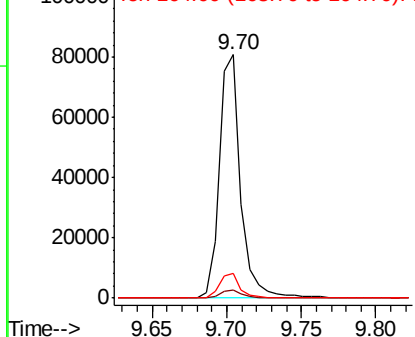


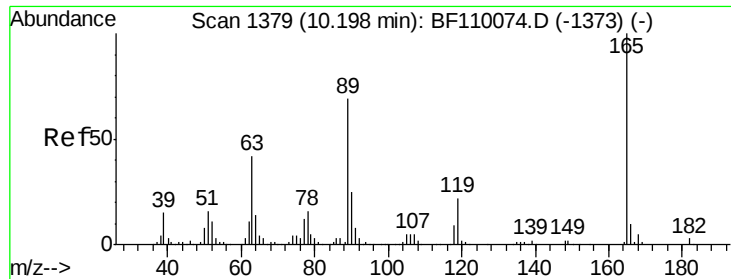
#50
Dimethylphthalate
Concen: 7.603 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF110407.D
Acq: 2 Nov 2018 13:02

Tgt Ion:163 Resp: 80819
Ion Ratio Lower Upper
163 100
194 3.5 3.2 4.8
164 10.0 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

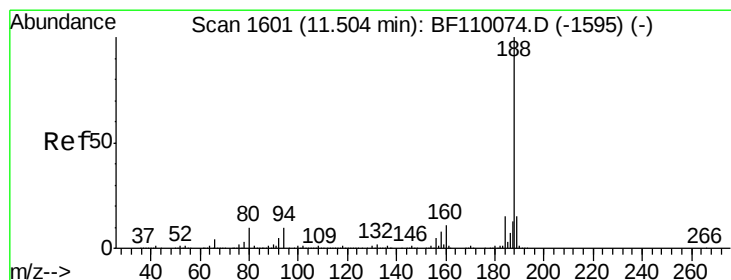
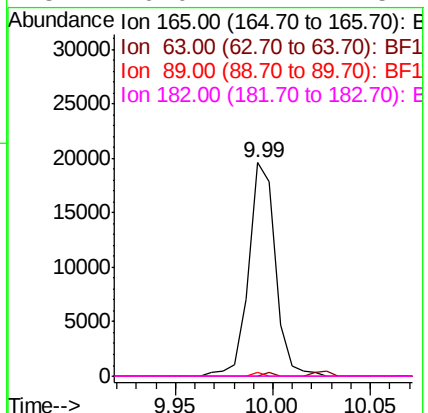
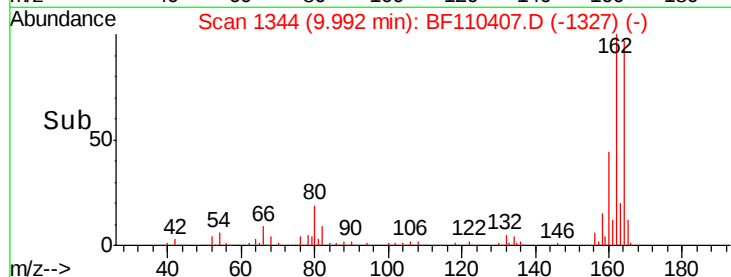
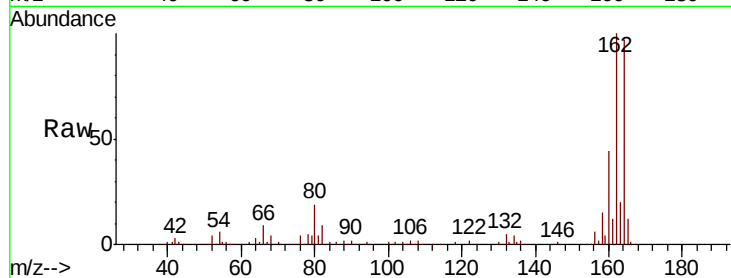




#57
 2,4-Dinitrotoluene
 Concen: 6.412 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.20 min
 Lab File: BF110407.D
 Acq: 2 Nov 2018 13:02

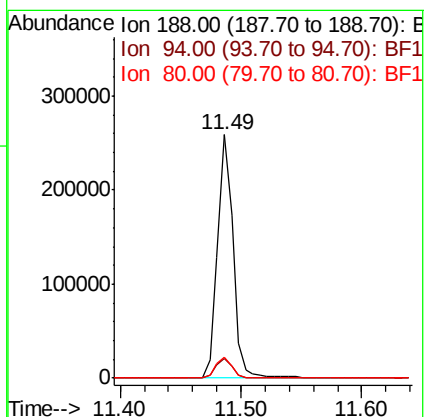
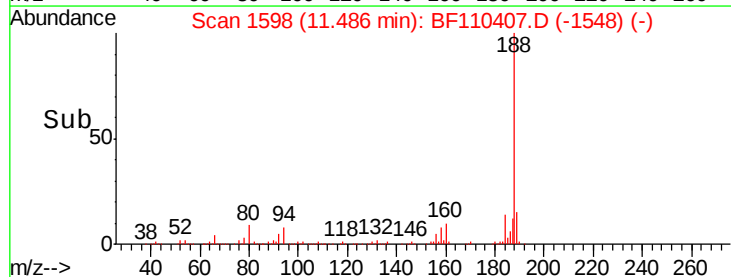
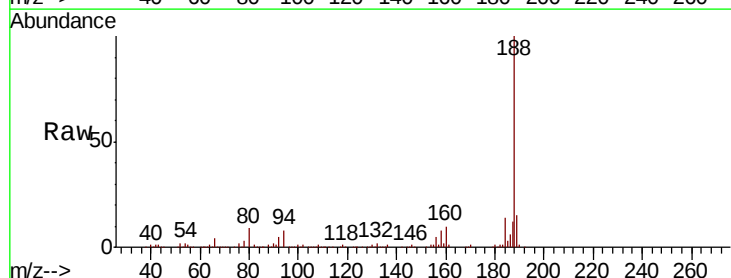
Instrument :
 BNA_F
 ClientSampleId :

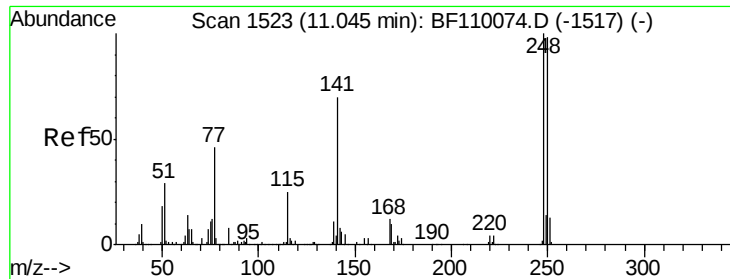
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	1.8	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF110407.D
 Acq: 2 Nov 2018 13:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.2	10.8
80	8.7	7.9	11.9

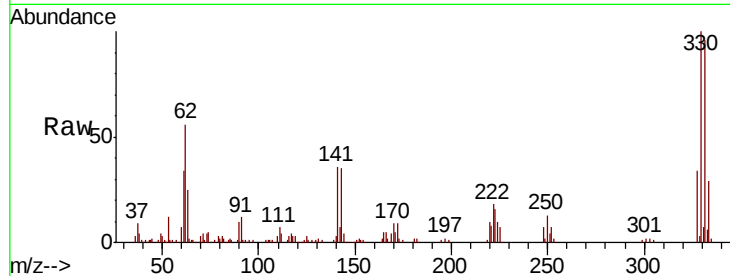




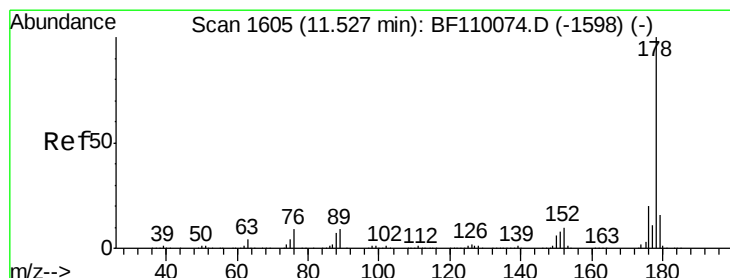
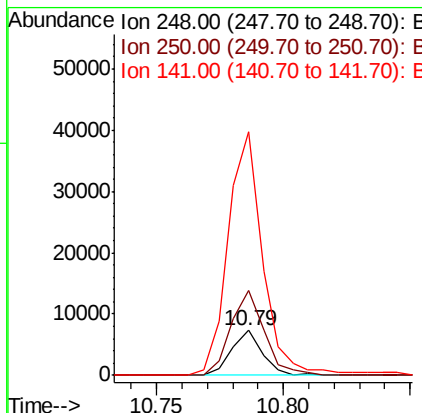
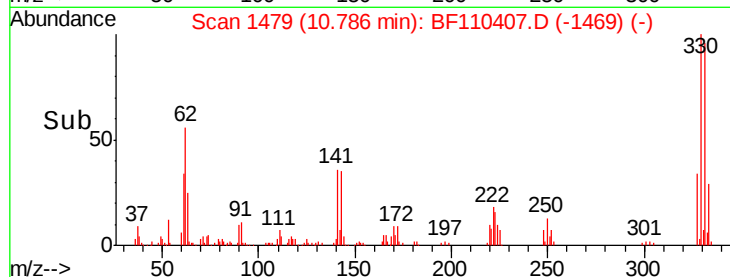
#67
 4-Bromophenyl-phenylether
 Concen: 2.529 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.24 min
 Lab File: BF110407.D
 Acq: 2 Nov 2018 13:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 6217
 Ion Ratio Lower Upper
 248 100
 250 189.4 79.4 119.2#
 141 544.1 55.9 83.9#

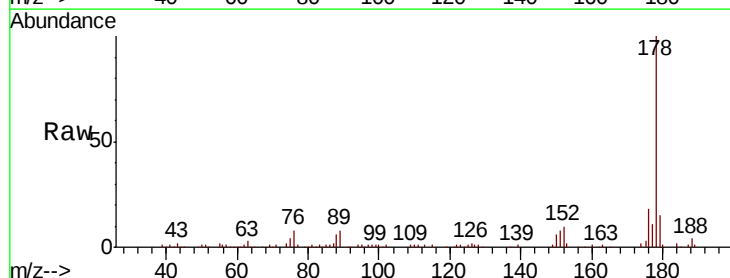


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

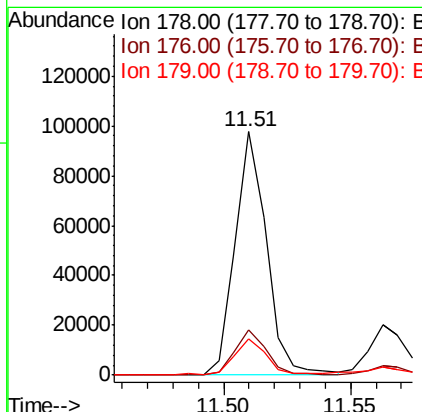
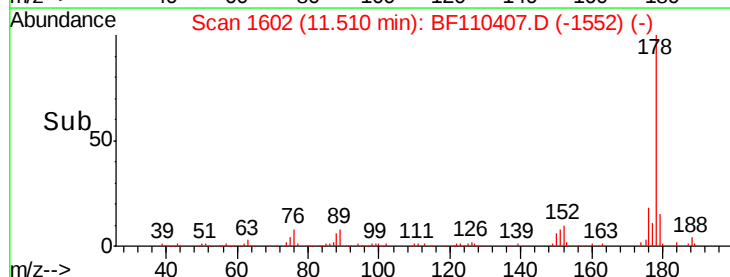


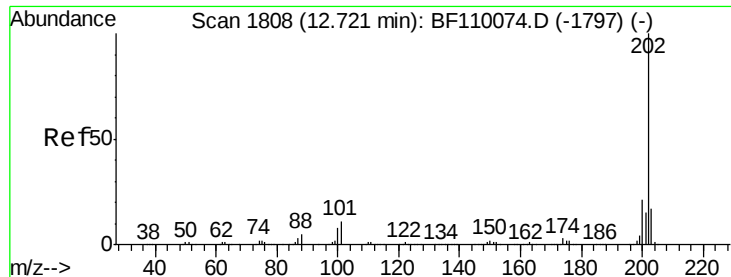
#71
 Phenanthrene
 Concen: 7.099 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.01 min
 Lab File: BF110407.D
 Acq: 2 Nov 2018 13:02

Tgt Ion:178 Resp: 84171
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.5 23.3
 179 15.1 12.5 18.7



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





#75

Fluoranthene

Concen: 10.924 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF110407.D

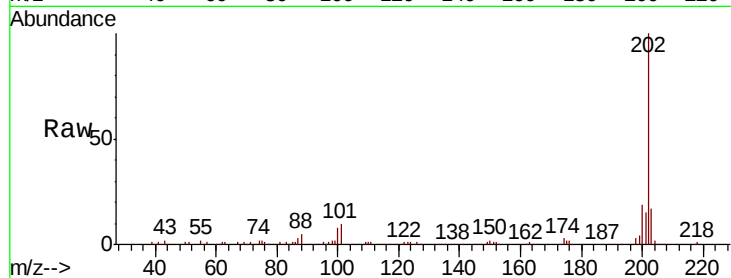
Acq: 2 Nov 2018 13:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	131453
Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.4
203	16.7	0.0	37.7

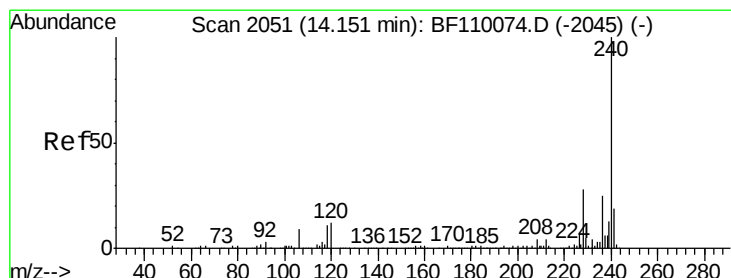
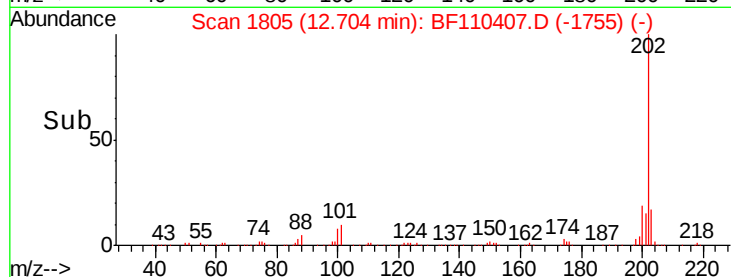
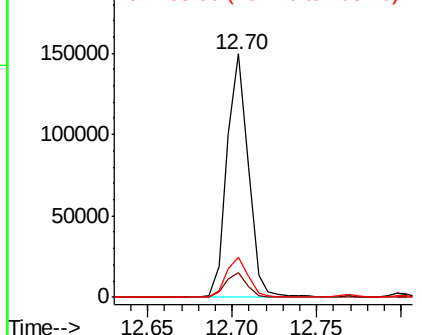


Abundance

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

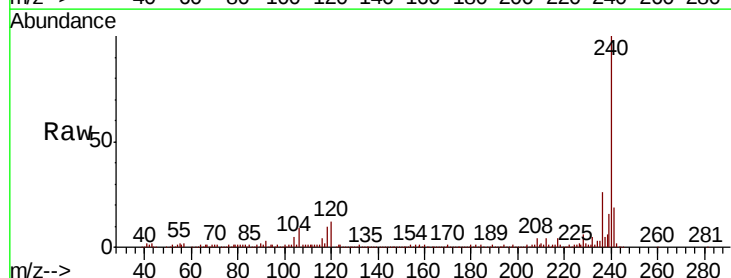
RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF110407.D

Acq: 2 Nov 2018 13:02

Tgt Ion:	240	Resp:	187484
Ion	Ratio	Lower	Upper
240	100		
120	11.6	8.3	12.5
236	25.6	21.2	31.8

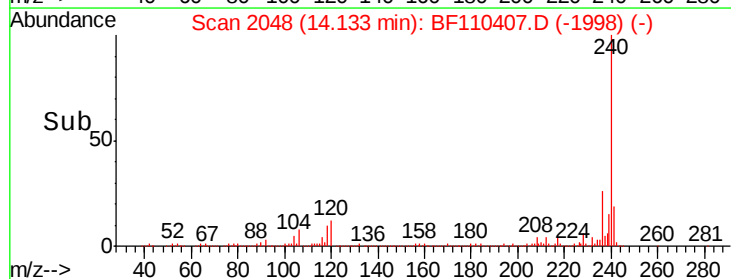
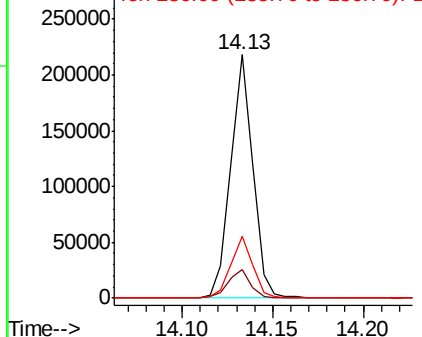


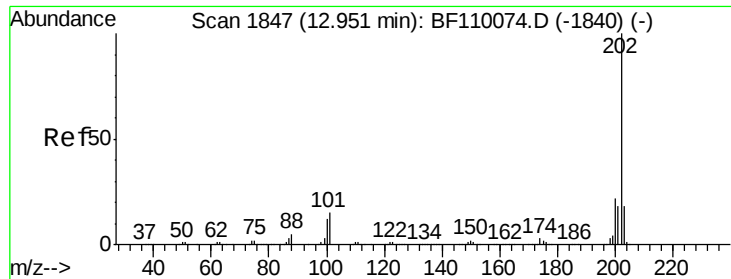
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

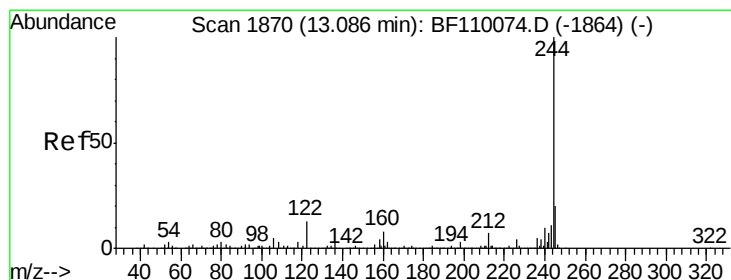
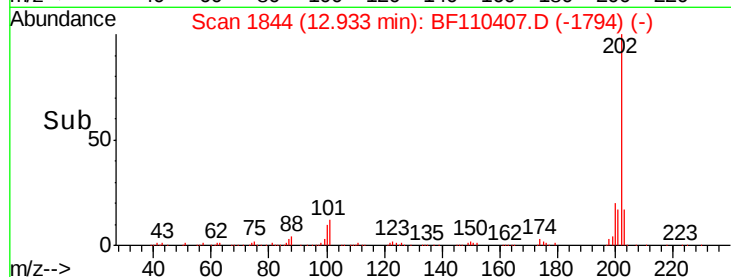
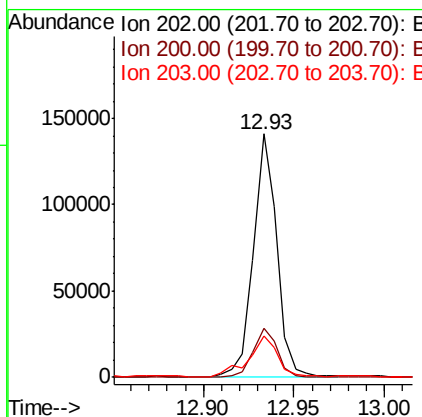
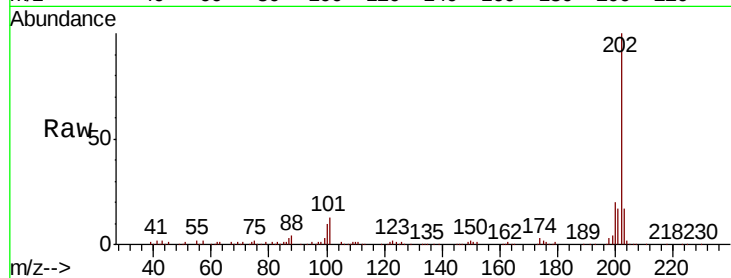




#78
Pvrene
Concen: 9.470 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF110407.D
Acq: 2 Nov 2018 13:02

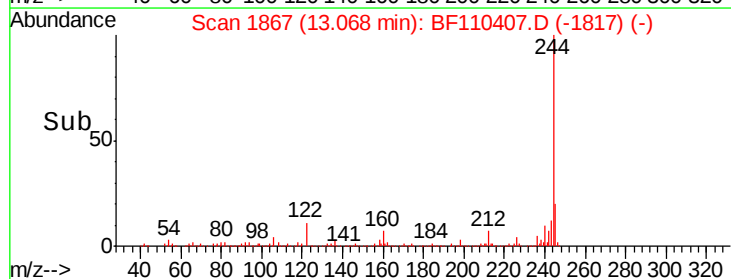
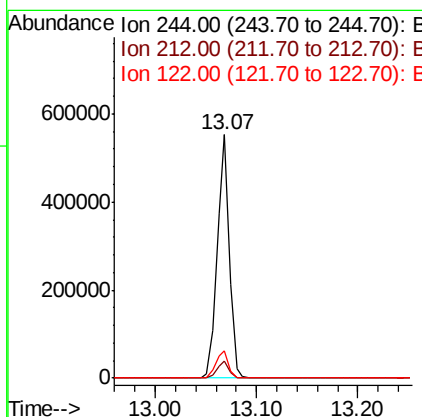
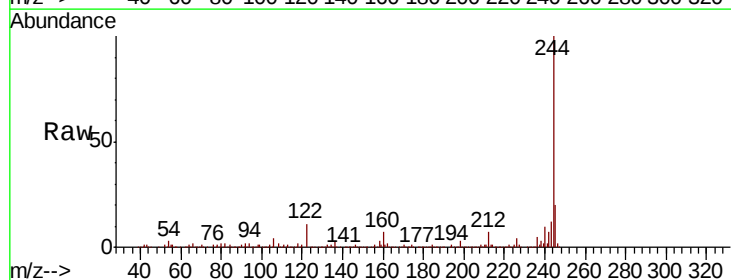
Instrument :
BNA_F
ClientSampleId :

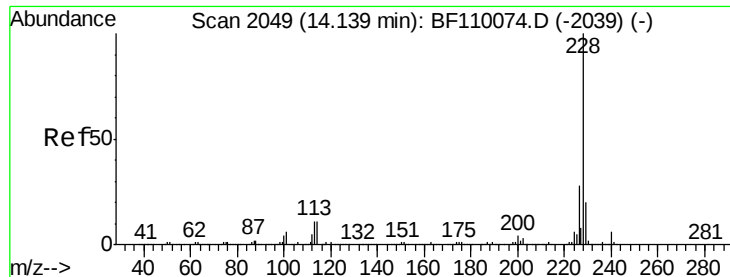
Tot Ion:202 Resp: 127284
Ion Ratio Lower Upper
202 100
200 20.0 17.8 26.6
203 17.1 14.2 21.4



#79
Terphenyl-d14
Concen: 50.722 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF110407.D
Acq: 2 Nov 2018 13:02

Tgt Ion:244 Resp: 457257
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 11.0 8.7 13.1





#81

Benzo(a)anthracene

Concen: 5.729 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110407.D

Acq: 2 Nov 2018 13:02

Instrument :

BNA_F

ClientSampleId :

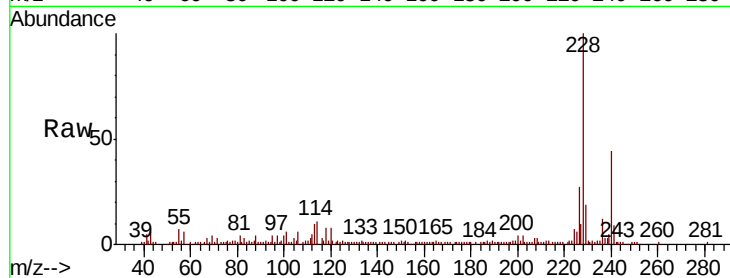
Tot Ion:228 Resp: 63698

Ion Ratio Lower Upper

228 100

226 27.2 22.1 33.1

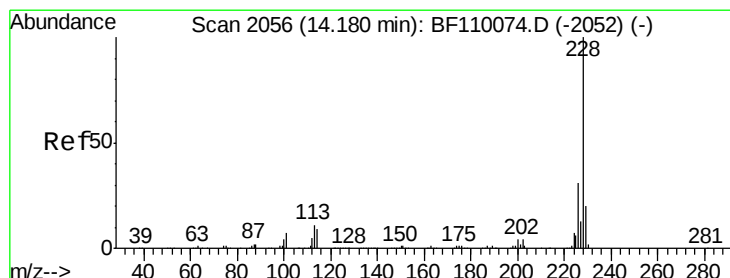
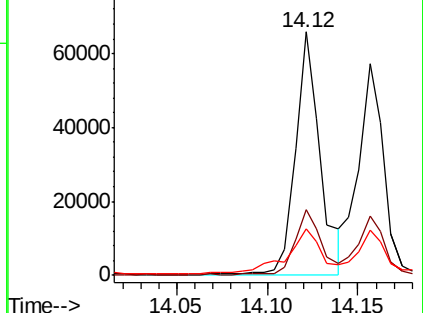
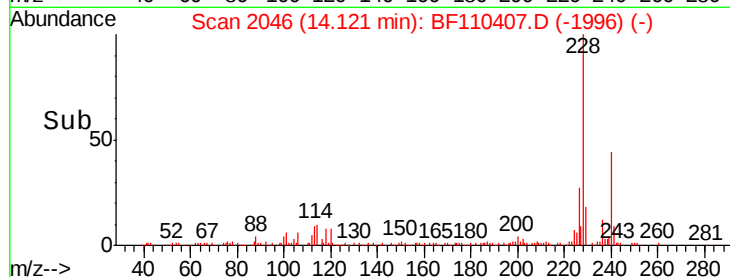
229 19.0 15.6 23.4



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: 5.285 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110407.D

Acq: 2 Nov 2018 13:02

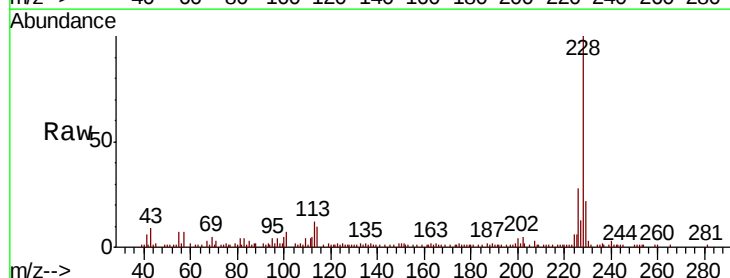
Tgt Ion:228 Resp: 55805

Ion Ratio Lower Upper

228 100

226 28.2 24.7 37.1

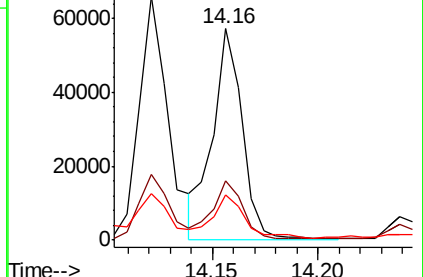
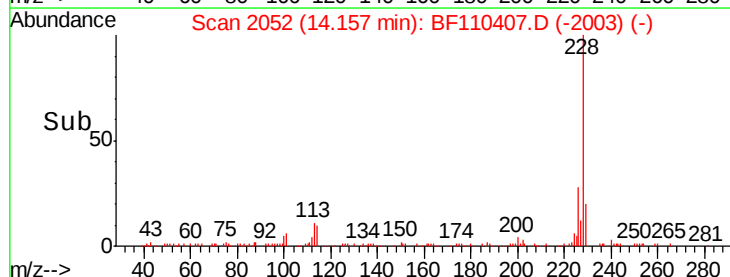
229 21.6 15.9 23.9

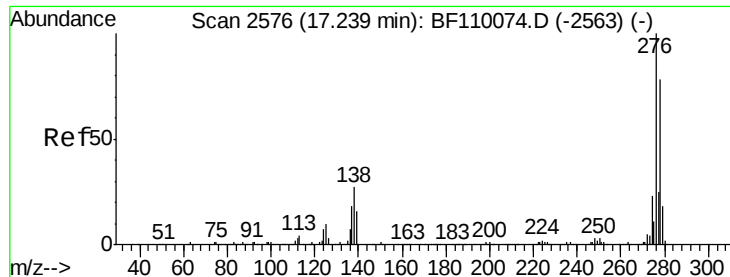


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

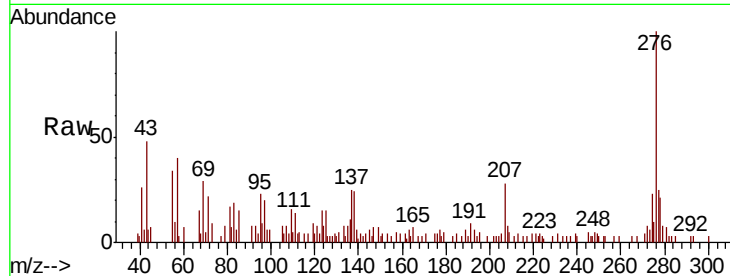




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.989 ng
 RT: 17.22 min Scan# 2573
 Delta R.T. -0.01 min
 Lab File: BF110407.D
 Acq: 2 Nov 2018 13:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	276	100		
138	138	22.0	18.5	27.7
277	277	23.5	20.0	30.0

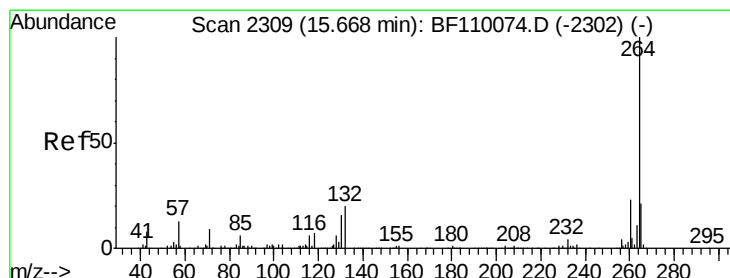
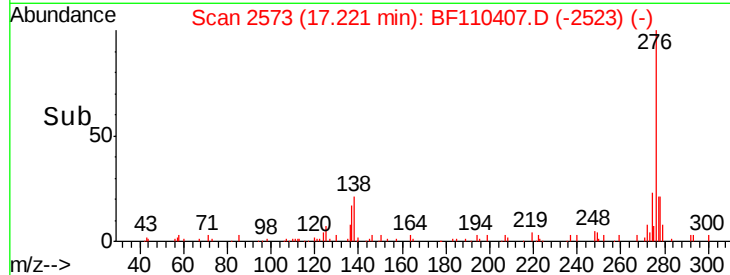
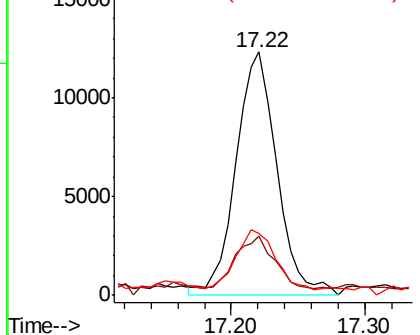


Abundance

Ion 276.00 (275.70 to 276.70): E

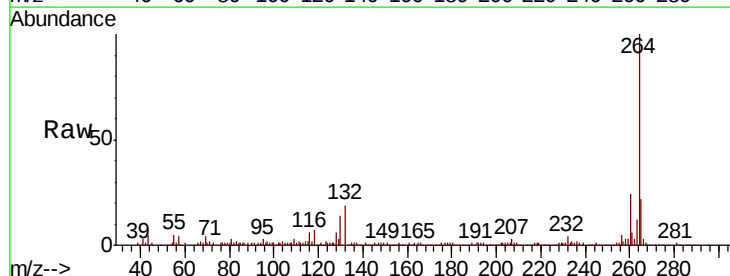
Ion 138.00 (137.70 to 138.70): E

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: BF110407.D
 Acq: 2 Nov 2018 13:02

Tgt Ion	Ion	Ratio	Lower	Upper
264	264	100		
260	260	23.6	18.7	28.1
265	265	21.7	16.7	25.1

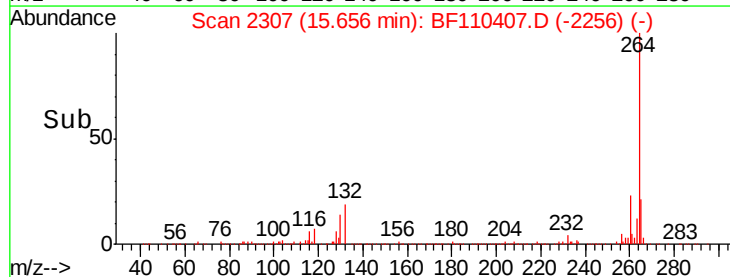
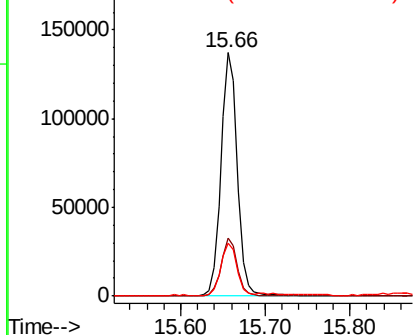


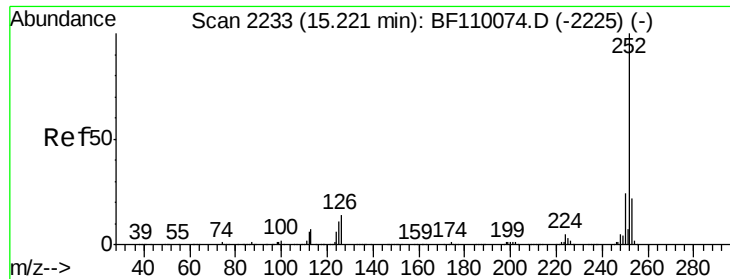
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

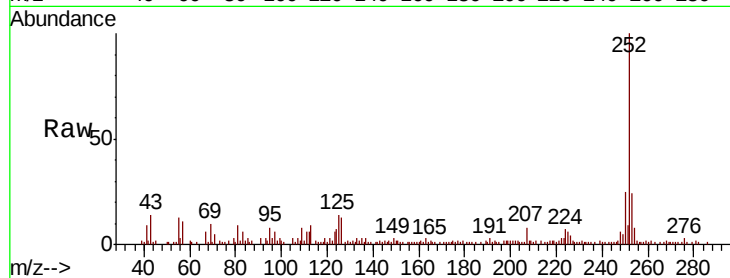




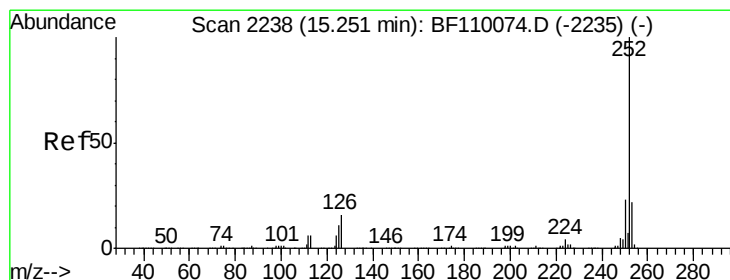
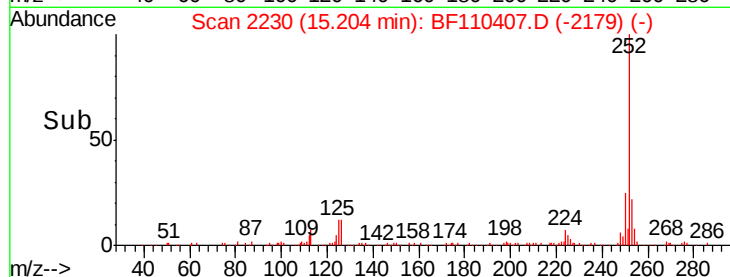
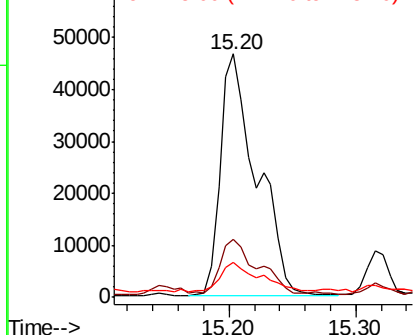
#88
Benzo(b)fluoranthene
Concen: 8.664 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110407.D
Acq: 2 Nov 2018 13:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 93162
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 14.3 8.2 12.4#

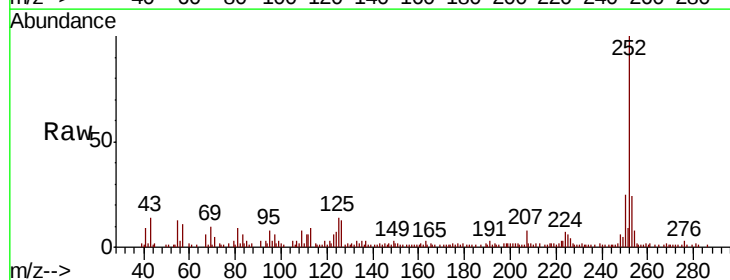


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

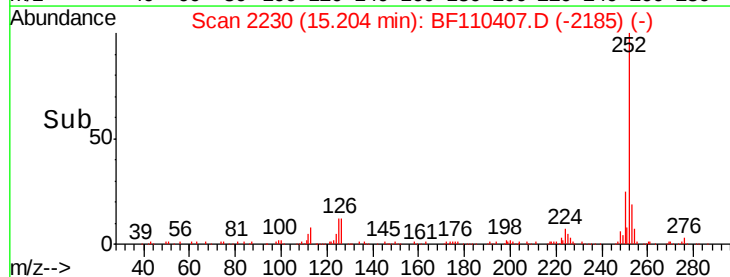
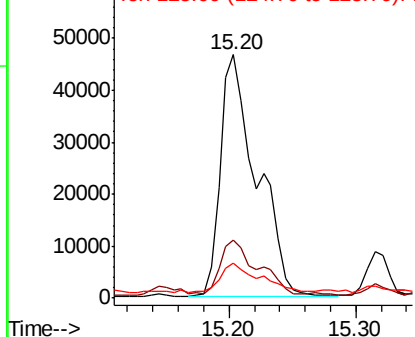


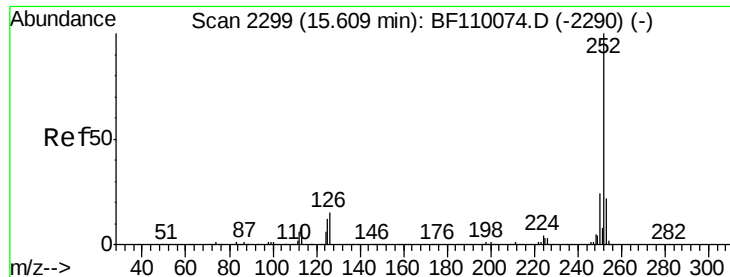
#89
Benzo(k)fluoranthene
Concen: 8.813 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110407.D
Acq: 2 Nov 2018 13:02

Tgt Ion:252 Resp: 93162
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 14.3 7.4 11.0#



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





#90

Benzo(a)pyrene

Concen: 5.113 ng

RT: 15.59 min Scan# 2296

Delta R.T. 0.00 min

Lab File: BF110407.D

Acq: 2 Nov 2018 13:02

Instrument :

BNA_F

ClientSampleId :

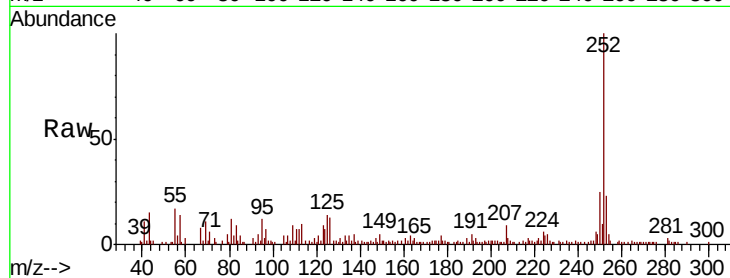
Tot Ion:252 Resp: 50591

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.4

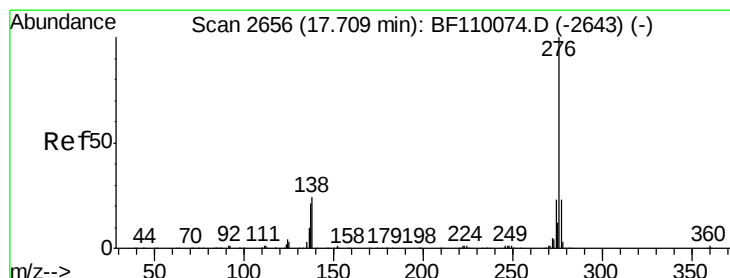
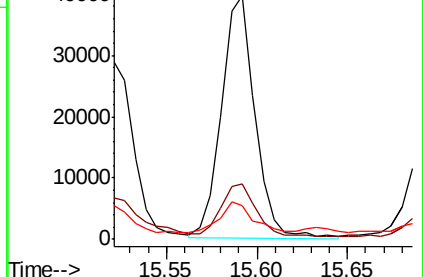
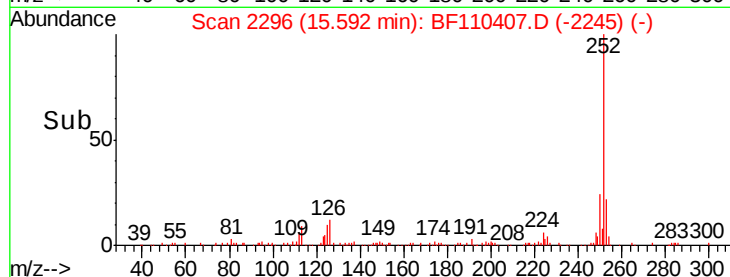
125 13.6 9.0 13.6#



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: 2.936 ng

RT: 17.69 min Scan# 2653

Delta R.T. -0.01 min

Lab File: BF110407.D

Acq: 2 Nov 2018 13:02

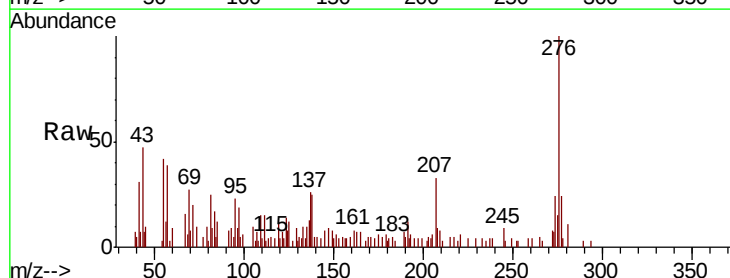
Tgt Ion:276 Resp: 24701

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 25.4 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

