

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
 Data File : BF110432.D
 Acq On : 3 Nov 2018 00:37
 Operator : JU/SJ
 Sample : J5769-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 03 04:17:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	77428	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	284214	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	109249	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	188939	20.00	ng	0.00
76) Chrysene-d12	14.14	240	133711	20.00	ng	0.00
87) Perylene-d12	15.66	264	99347	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	476028	100.12	ng	0.00
7) Phenol-d6	6.58	99	588748	96.81	ng	0.00
23) Nitrobenzene-d5	7.52	82	342405	71.46	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	101367	93.67	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	602293	86.57	ng	0.00
79) Terphenyl-d14	13.07	244	492105	76.54	ng	0.00

Target Compounds

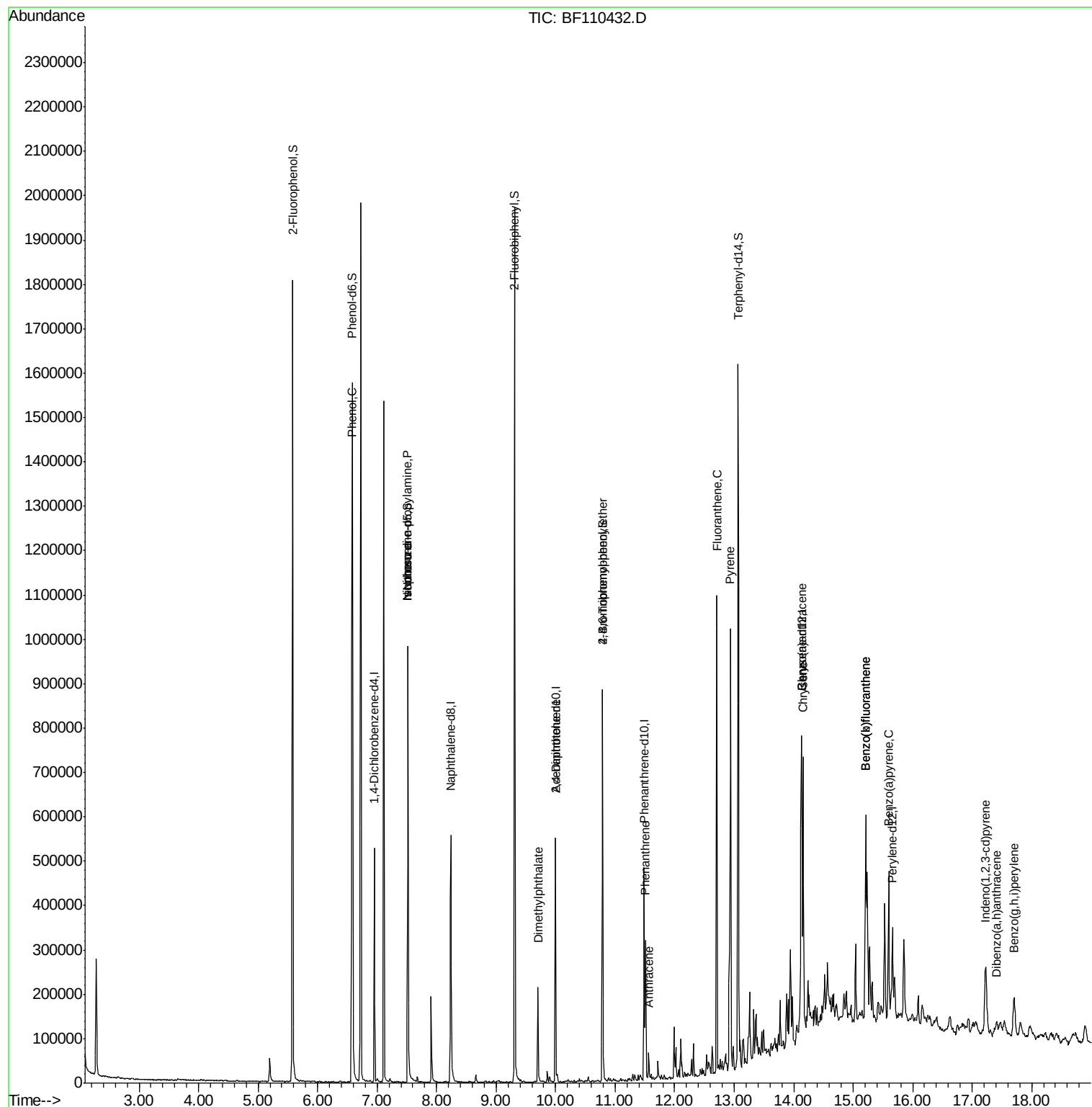
						Qvalue
9) Benzaldehyde	6.59	77	1241	Below Cal	#	1
10) Phenol	6.59	94	38311	5.893 ng	#	71
19) n-Nitroso-di-n-propylamine	7.52	70	45931	11.772 ng	#	80
25) Isophorone	7.52	82	342403	41.920 ng	#	67
50) Dimethylphthalate	9.70	163	91590	11.357 ng		99
57) 2,4-Dinitrotoluene	10.00	165	14059	6.372 ng	#	17
67) 4-Bromophenyl-phenylether	10.79	248	6295	3.072 ng	#	1
71) Phenanthrene	11.51	178	120036	12.142 ng		97
72) Anthracene	11.57	178	34353	3.467 ng		97
75) Fluoranthene	12.71	202	444463	44.299 ng		98
78) Pyrene	12.94	202	396724	41.386 ng		99
81) Benzo(a)anthracene	14.13	228	215633	27.194 ng		98
83) Chrysene	14.16	228	232296	30.844 ng		98
86) Indeno(1,2,3-cd)pyrene	17.23	276	89254	14.285 ng		99
88) Benzo(b)fluoranthene	15.21	252	350219	61.046 ng		99
89) Benzo(k)fluoranthene	15.21	252	350219	62.096 ng	#	98
90) Benzo(a)pyrene	15.60	252	154275	29.225 ng		99
91) Dibenzo(a,h)anthracene	17.41	278	16981	3.728 ng		95
92) Benzo(a,h,i)perylene	17.71	276	83844	18.680 ng		99

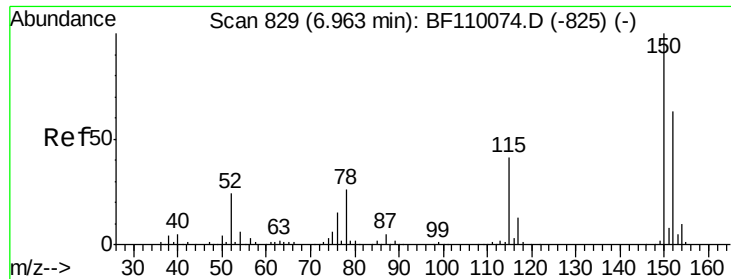
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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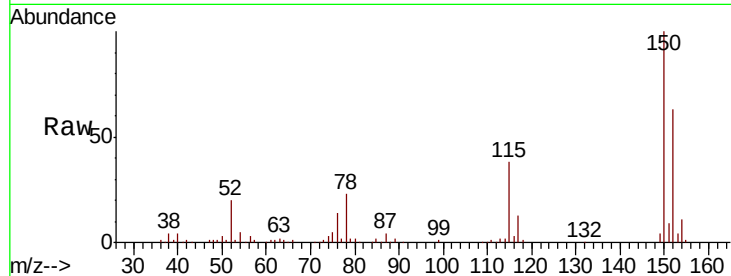


#1

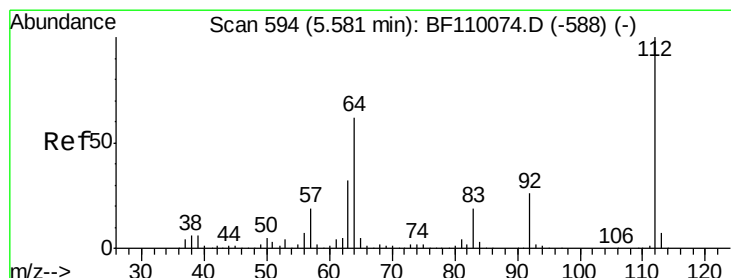
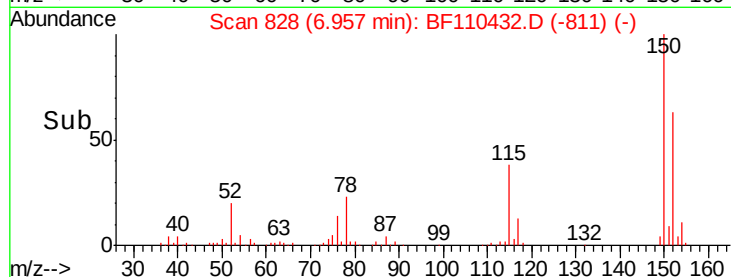
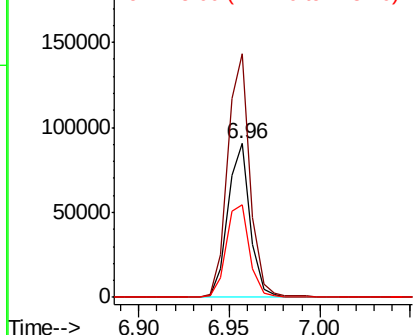
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.00 min
Lab File: BF110432.D
Acq: 3 Nov 2018 00:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 77428
Ion Ratio Lower Upper
152 100
150 158.7 122.7 184.1
115 60.4 49.1 73.7



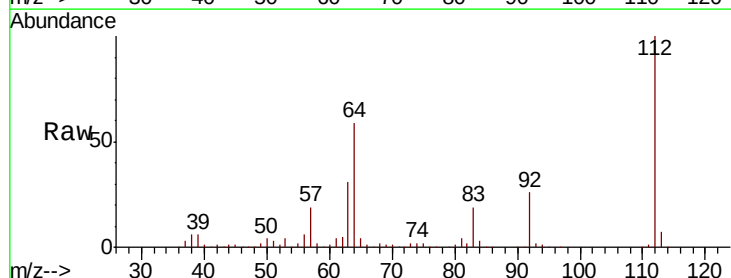
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



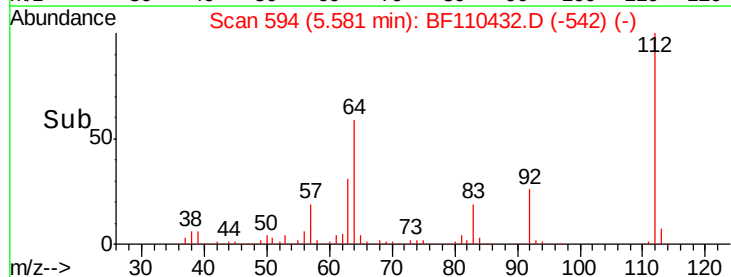
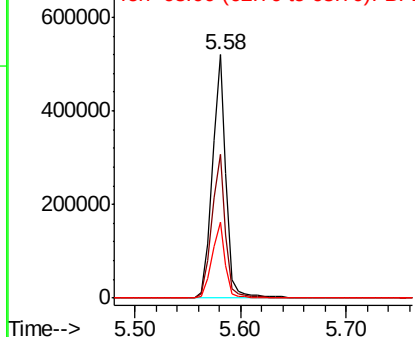
#5

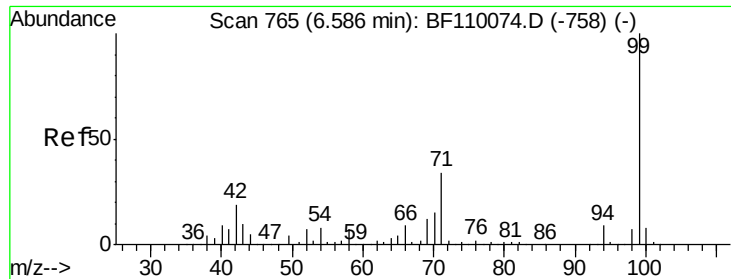
2-Fluorophenol
Concen: 100.117 ng
RT: 5.58 min Scan# 594
Delta R.T. 0.01 min
Lab File: BF110432.D
Acq: 3 Nov 2018 00:37

Tgt Ion:112 Resp: 476028
Ion Ratio Lower Upper
112 100
64 58.9 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: 96.808 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF110432.D

Acq: 3 Nov 2018 00:37

Instrument :

BNA_F

ClientSampleId :

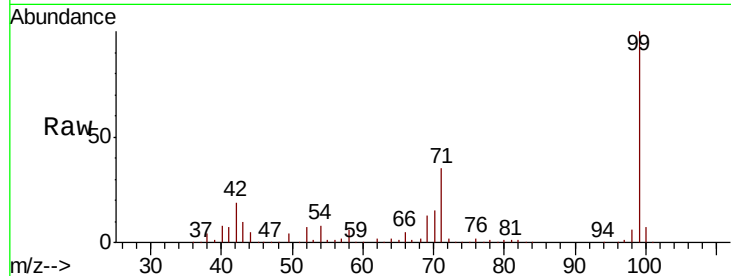
Tot Ion: 99 Resp: 588748

Ion Ratio Lower Upper

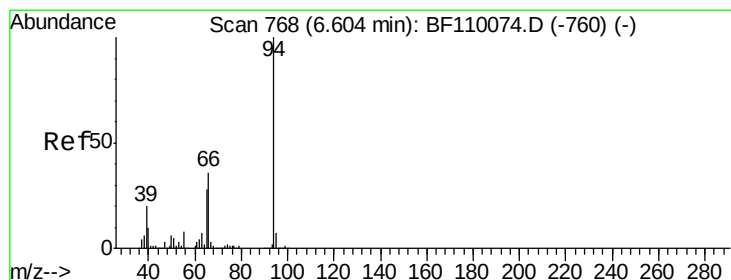
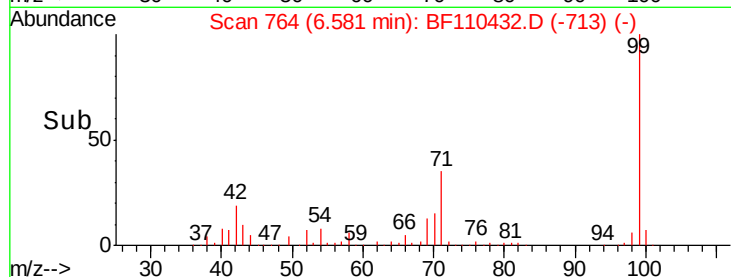
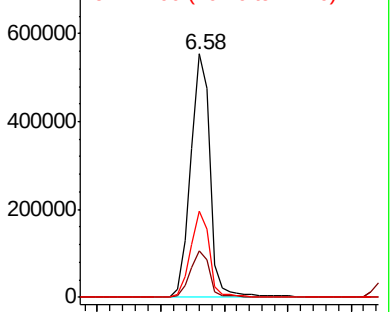
99 100

42 19.3 15.8 23.6

71 35.2 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: 5.893 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110432.D

Acq: 3 Nov 2018 00:37

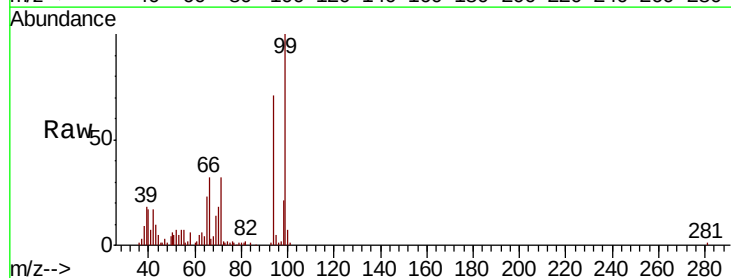
Tgt Ion: 94 Resp: 38311

Ion Ratio Lower Upper

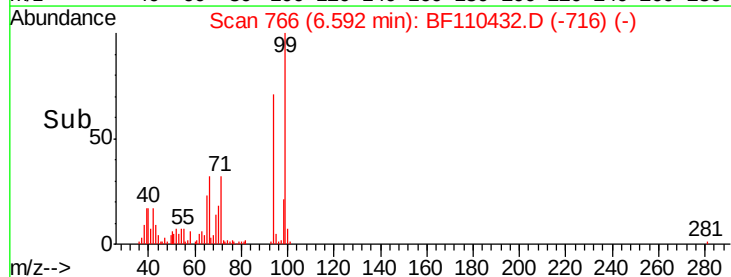
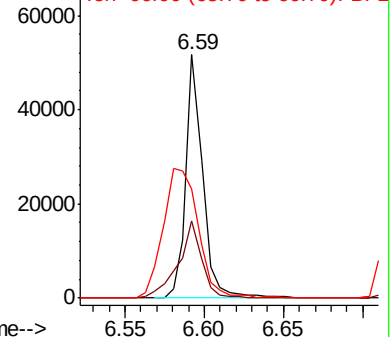
94 100

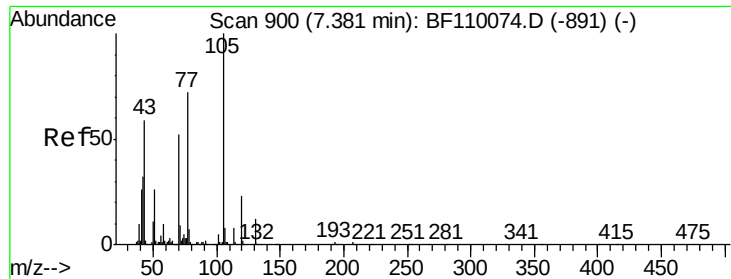
65 31.9 25.3 65.3

66 45.0 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

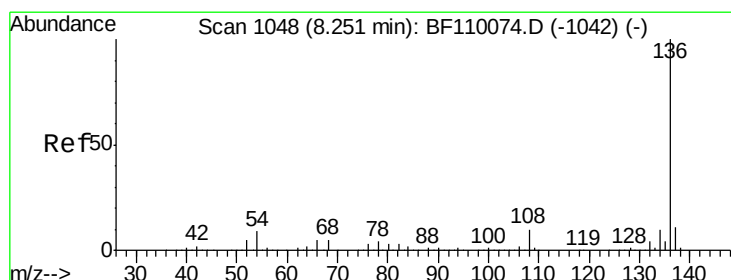
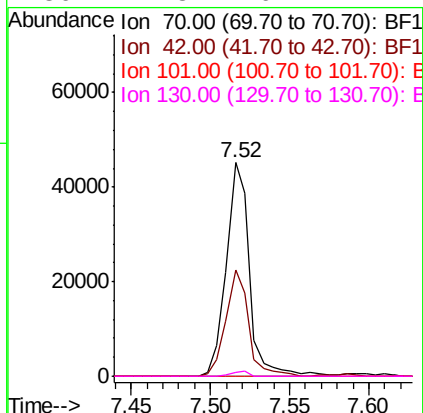
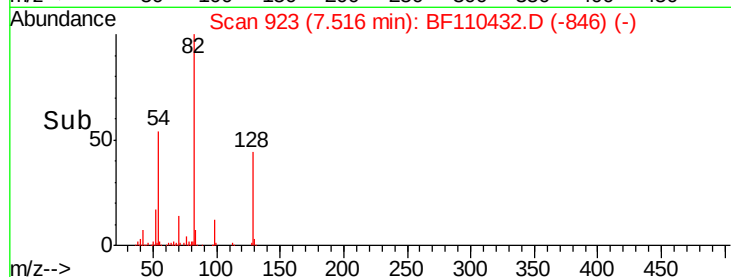
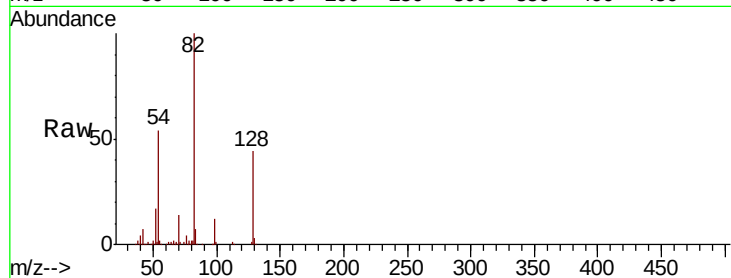




#19
n-Nitroso-di-n-propylamine
Concen: 11.772 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.15 min
Lab File: BF110432.D
Acq: 3 Nov 2018 00:37

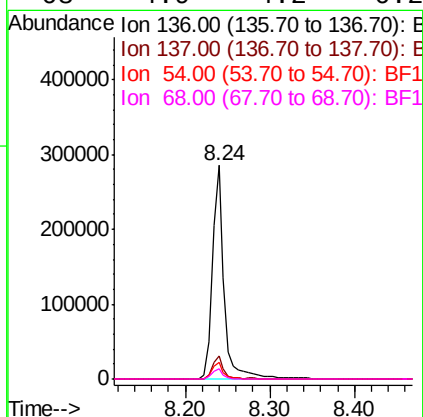
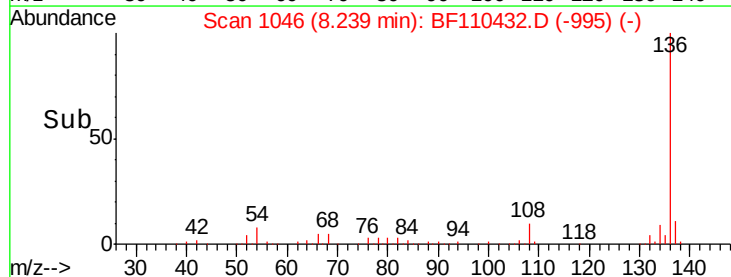
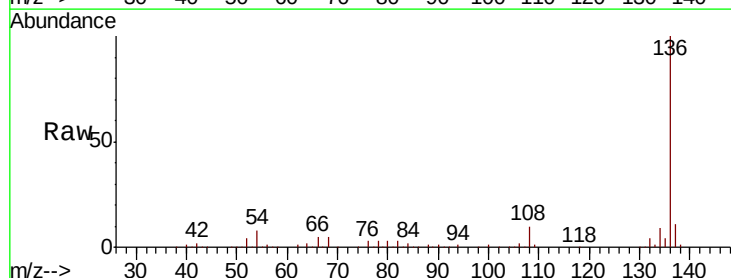
Instrument :
BNA_F
ClientSampleId :

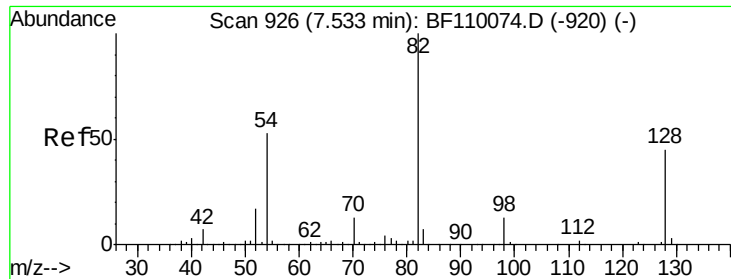
Tot Ion: 70 Resp: 45931
Ion Ratio Lower Upper
70 100
42 49.6 47.4 71.2
101 0.0 7.3 10.9#
130 1.8 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF110432.D
Acq: 3 Nov 2018 00:37

Tgt Ion: 136 Resp: 284214
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.8 5.4 8.2
68 4.9 4.2 6.2

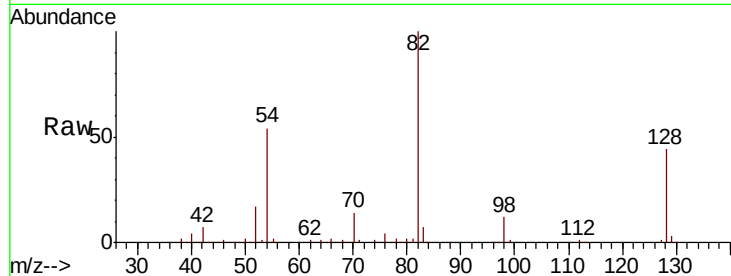




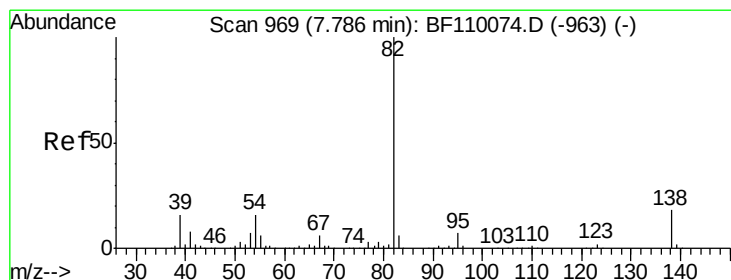
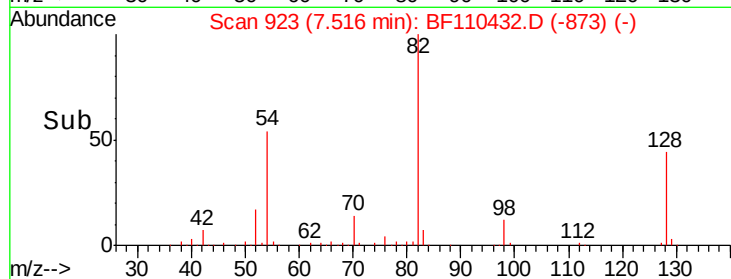
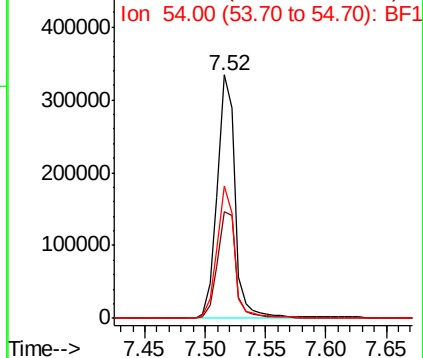
#23
Nitrobenzene-d5
Concen: 71.457 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110432.D
Acq: 3 Nov 2018 00:37

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	342405
Ion Ratio	100	Lower	Upper
128	43.8	34.2	51.2
54	54.4	38.6	58.0

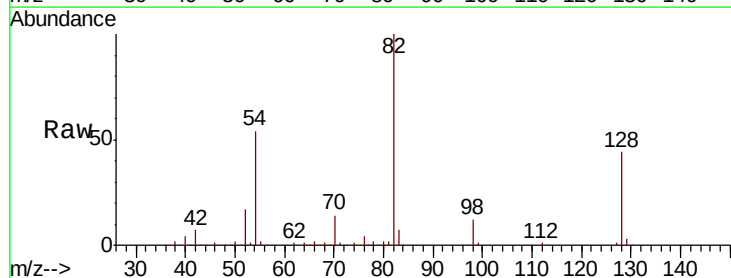


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

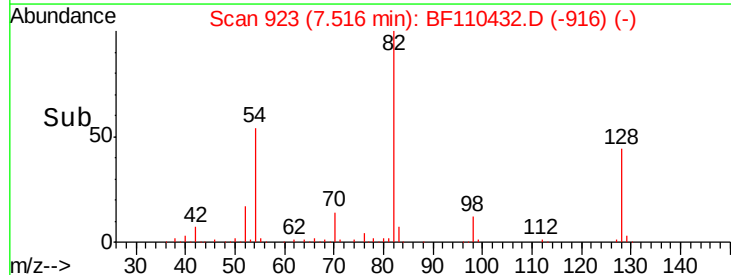
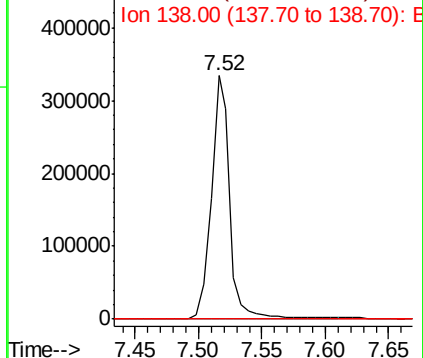


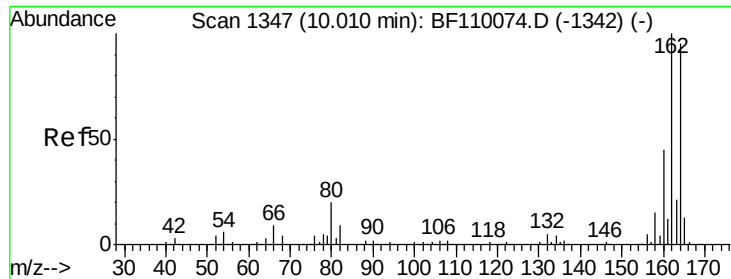
#25
Isophorone
Concen: 41.920 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.26 min
Lab File: BF110432.D
Acq: 3 Nov 2018 00:37

Tgt Ion	82	Resp	342403
Ion Ratio	100	Lower	Upper
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BF110432.D

Acq: 3 Nov 2018 00:37

Instrument :

BNA_F

ClientSampleId :

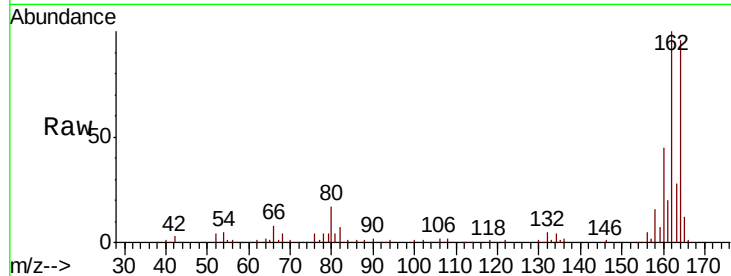
Tot Ion:164 Resp: 109249

Ion Ratio Lower Upper

164 100

162 103.8 83.0 124.6

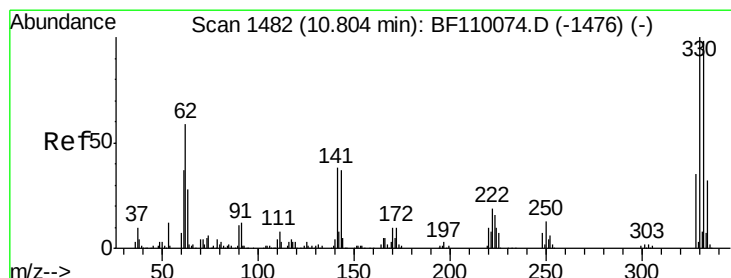
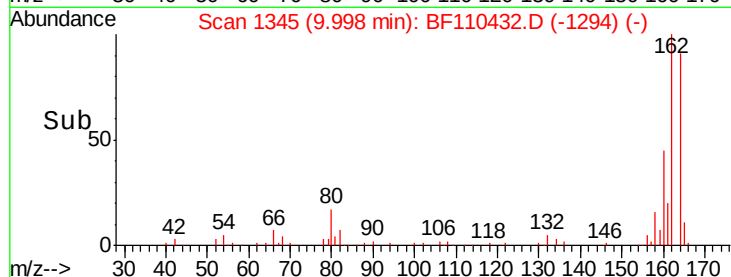
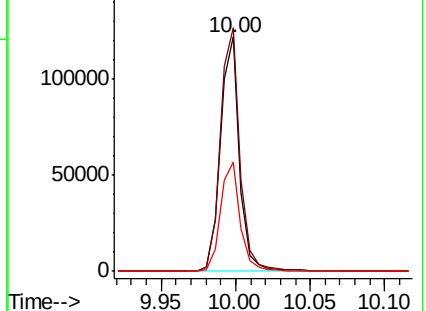
160 46.6 37.0 55.6



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: 93.669 ng

RT: 10.79 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BF110432.D

Acq: 3 Nov 2018 00:37

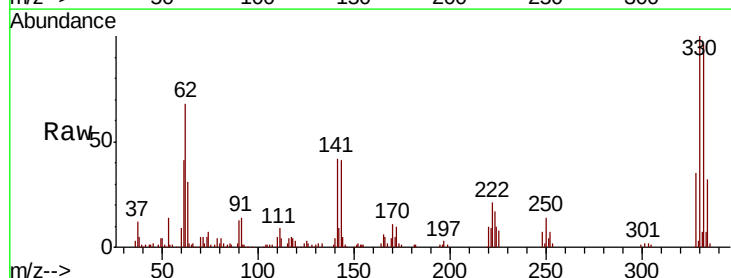
Tgt Ion:330 Resp: 101367

Ion Ratio Lower Upper

330 100

332 96.1 77.1 115.7

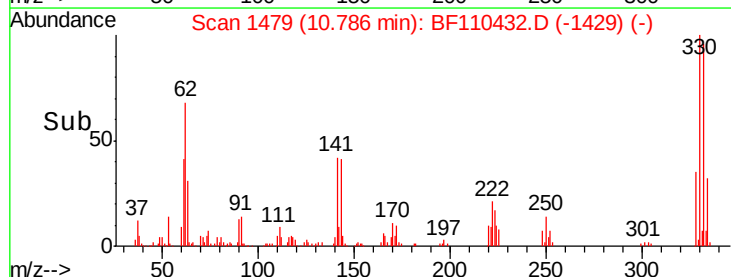
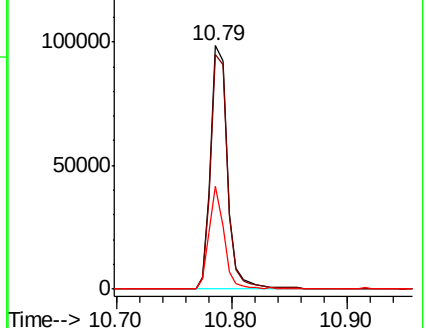
141 37.8 27.0 40.4

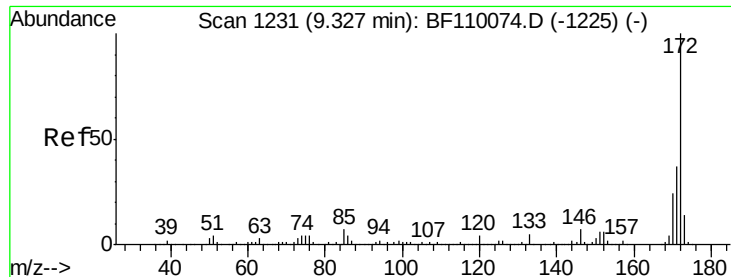


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

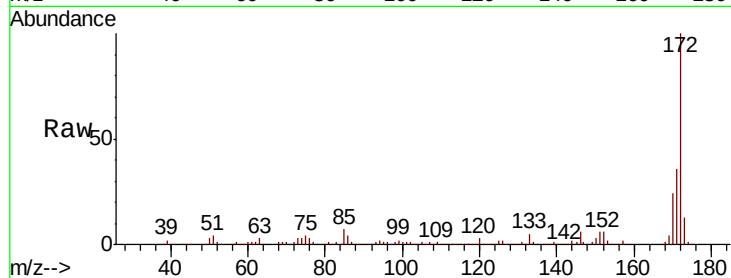




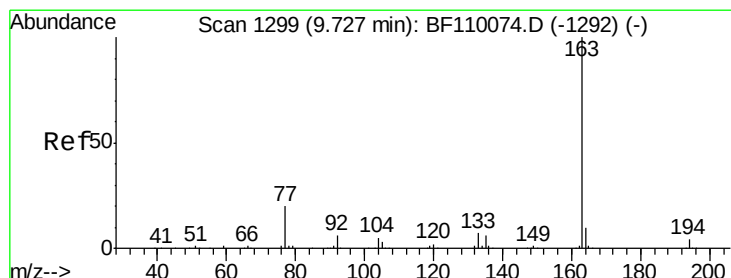
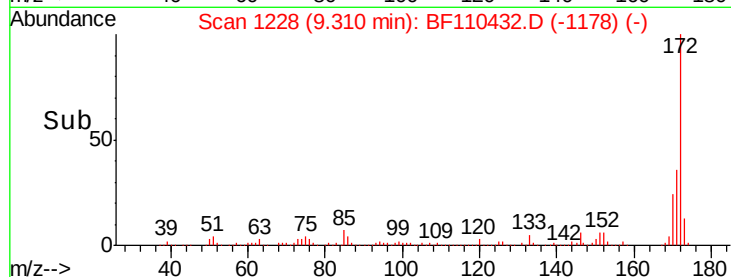
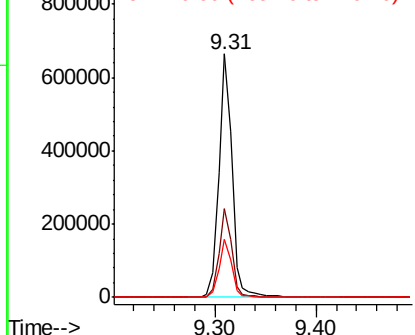
#45
2-Fluorobiphenyl
Concen: 86.569 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF110432.D
Acq: 3 Nov 2018 00:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 602293
Ion Ratio Lower Upper
172 100
171 36.3 28.6 43.0
170 24.0 19.7 29.5

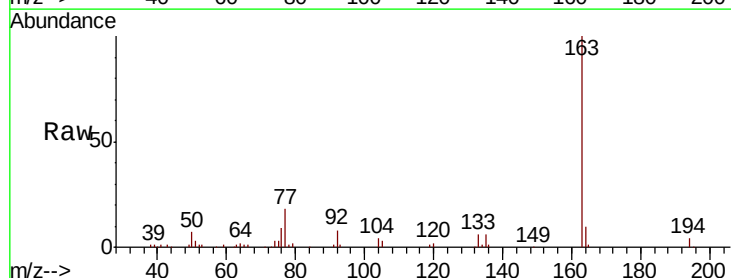


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

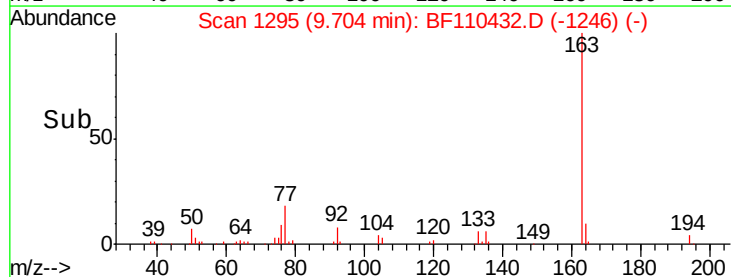
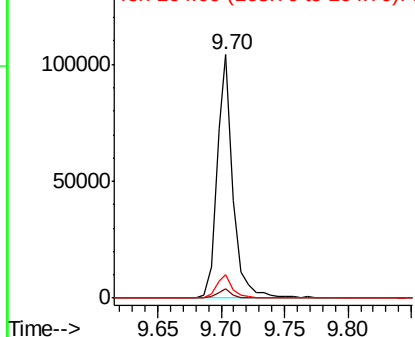


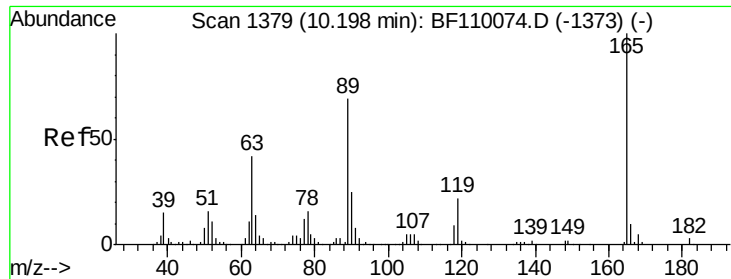
#50
Dimethylphthalate
Concen: 11.357 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF110432.D
Acq: 3 Nov 2018 00:37

Tgt Ion:163 Resp: 91590
Ion Ratio Lower Upper
163 100
194 3.6 3.2 4.8
164 9.7 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

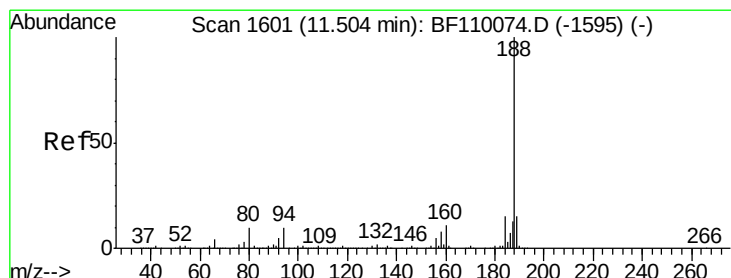
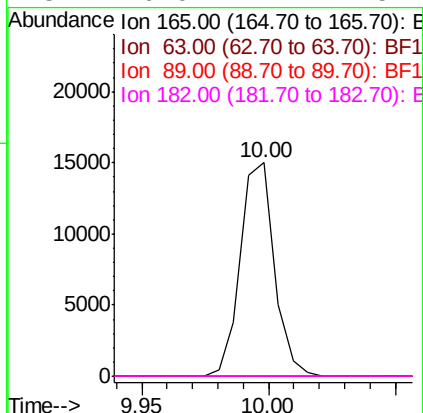
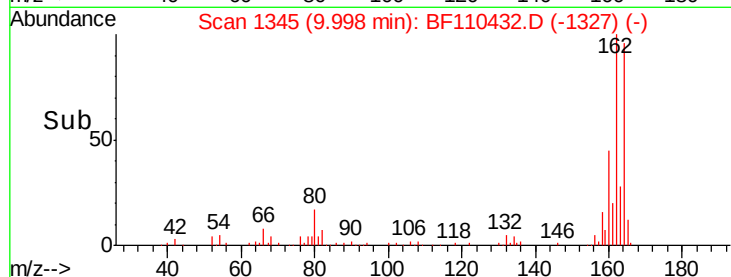
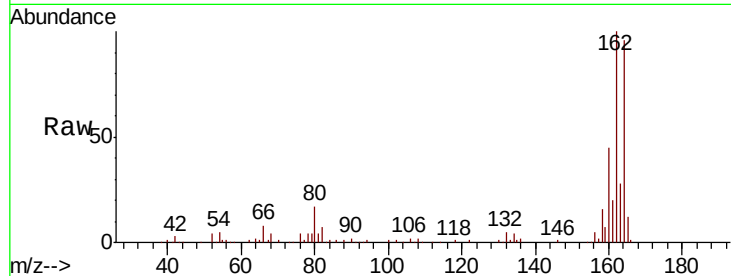




#57
 2,4-Dinitrotoluene
 Concen: 6.372 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.19 min
 Lab File: BF110432.D
 Acq: 3 Nov 2018 00:37

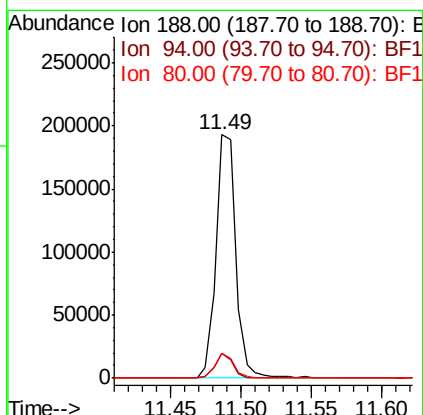
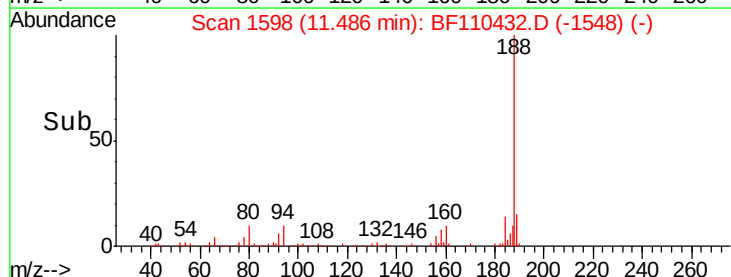
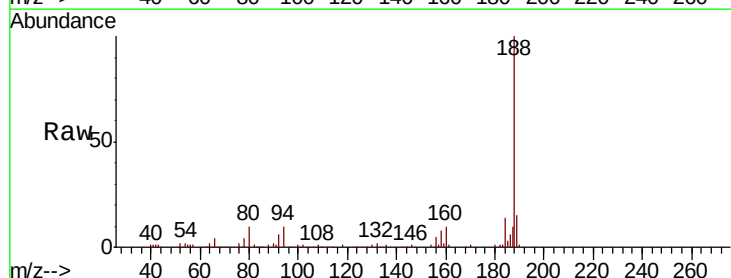
Instrument :
 BNA_F
 ClientSampleId :

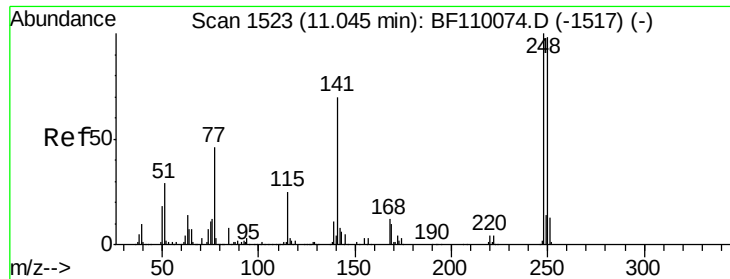
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF110432.D
 Acq: 3 Nov 2018 00:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.2	10.8
80	10.2	7.9	11.9

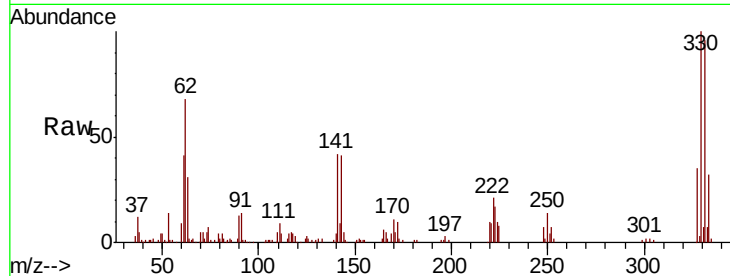




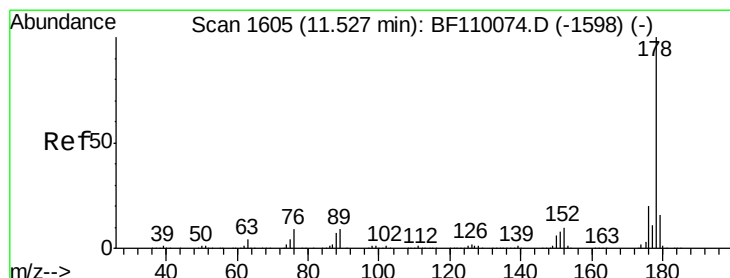
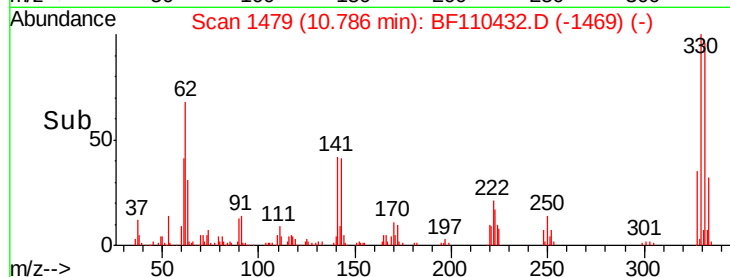
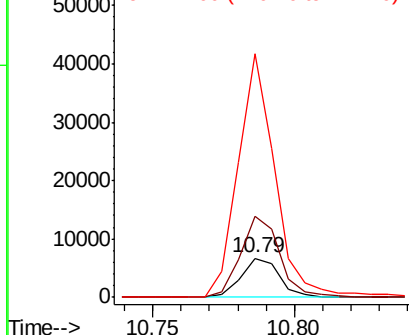
#67
 4-Bromophenyl-phenylether
 Concen: 3.072 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.24 min
 Lab File: BF110432.D
 Acq: 3 Nov 2018 00:37

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 6295
 Ion Ratio Lower Upper
 248 100
 250 209.7 79.4 119.2#
 141 627.1 55.9 83.9#

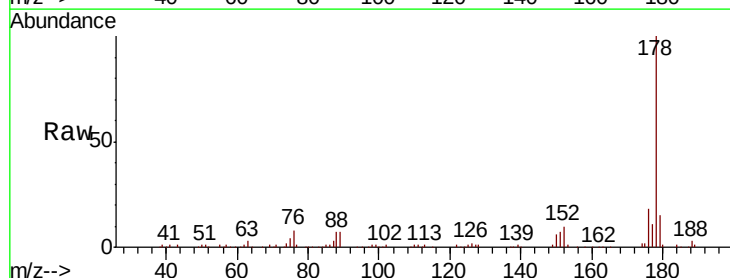


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

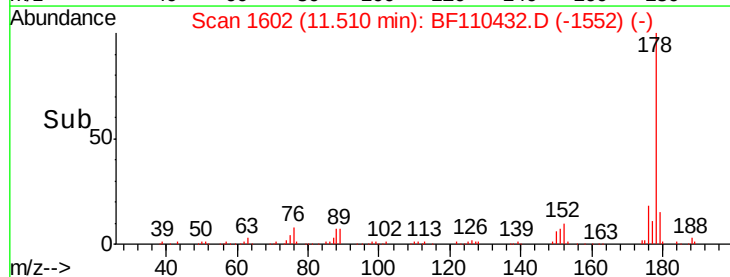
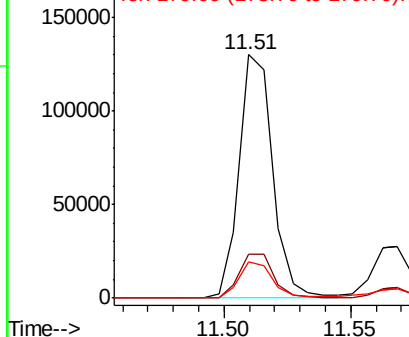


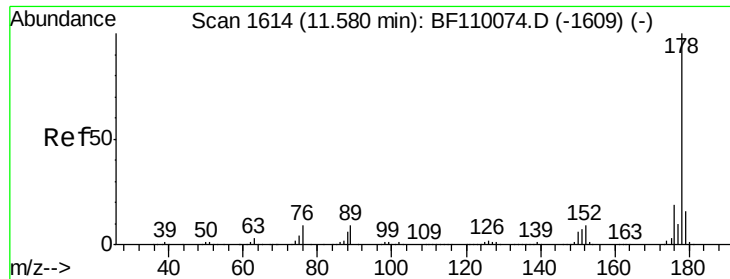
#71
 Phenanthrene
 Concen: 12.142 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.01 min
 Lab File: BF110432.D
 Acq: 3 Nov 2018 00:37

Tgt Ion:178 Resp: 120036
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.5 23.3
 179 14.9 12.5 18.7



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

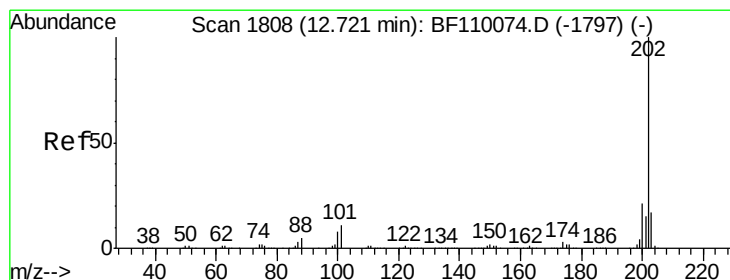
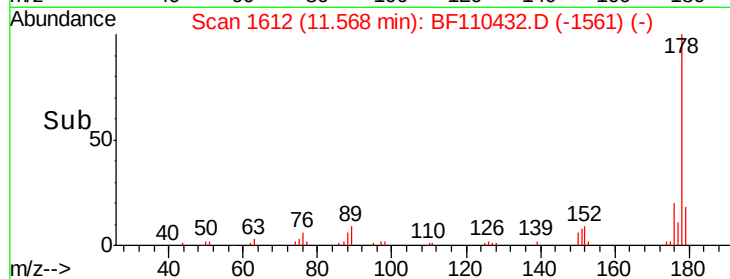
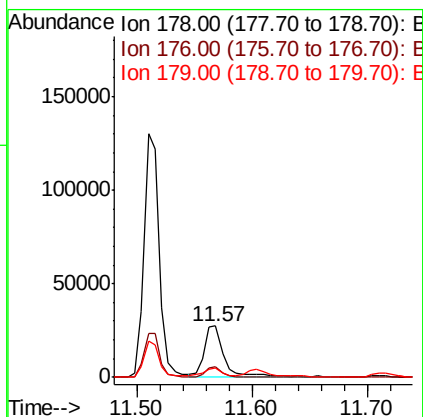
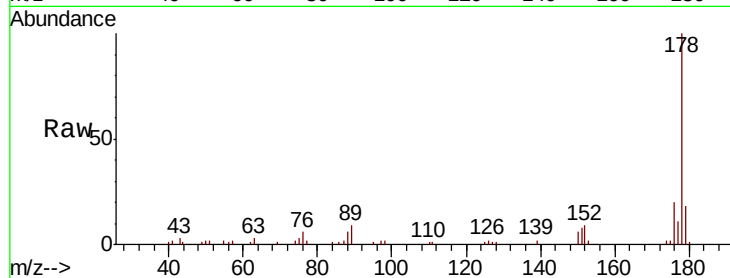




#72
 Anthracene
 Concen: 3.467 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: BF110432.D
 Acq: 3 Nov 2018 00:37

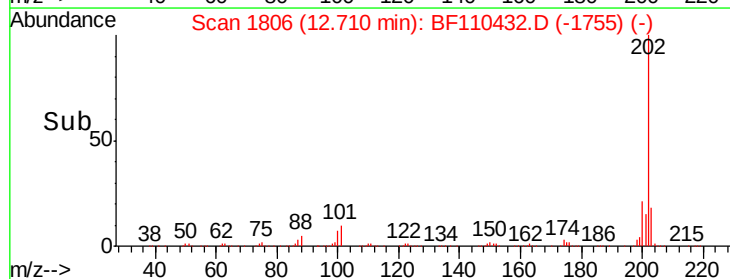
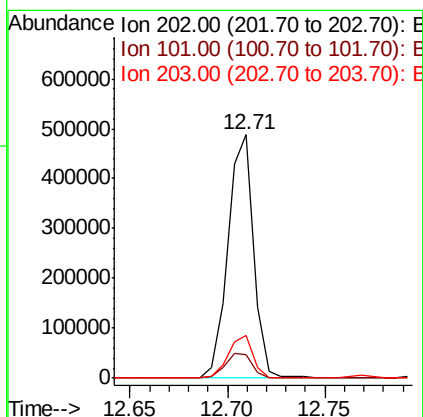
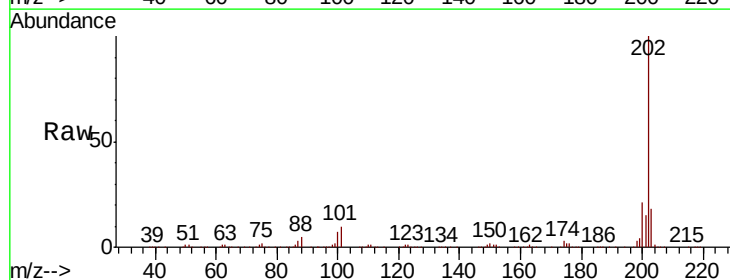
Instrument :
 BNA_F
 ClientSampleId :

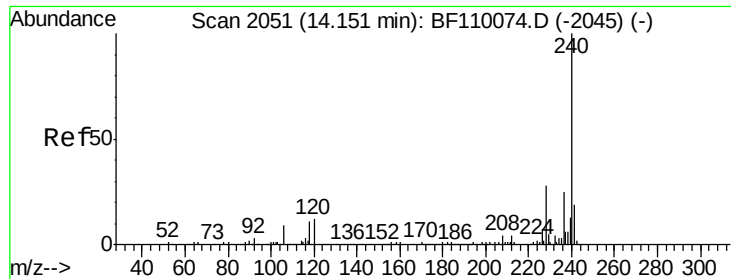
Tot Ion:178 Resp: 34353
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.4 23.2
 179 17.6 12.6 18.8



#75
 Fluoranthene
 Concen: 44.299 ng
 RT: 12.71 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: BF110432.D
 Acq: 3 Nov 2018 00:37

Tgt Ion:202 Resp: 444463
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 31.4
 203 17.5 0.0 37.7

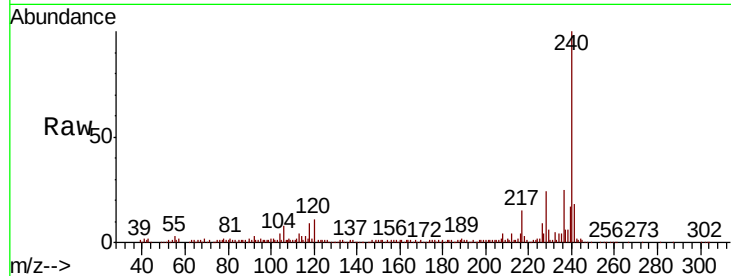




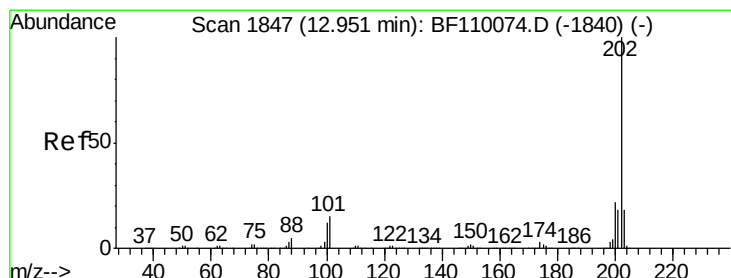
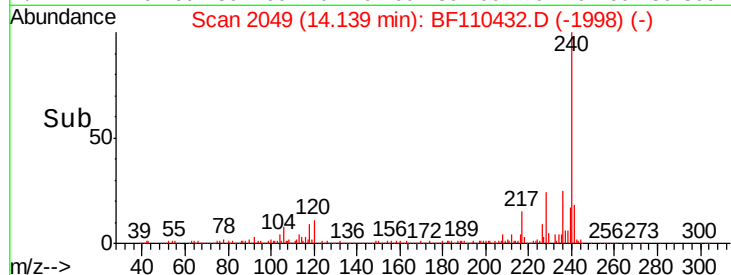
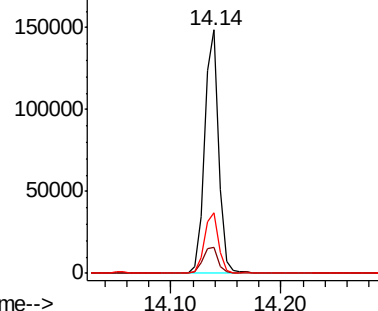
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.00 min
Lab File: BF110432.D
Acq: 3 Nov 2018 00:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 133711
Ion Ratio Lower Upper
240 100
120 10.6 8.3 12.5
236 25.1 21.2 31.8

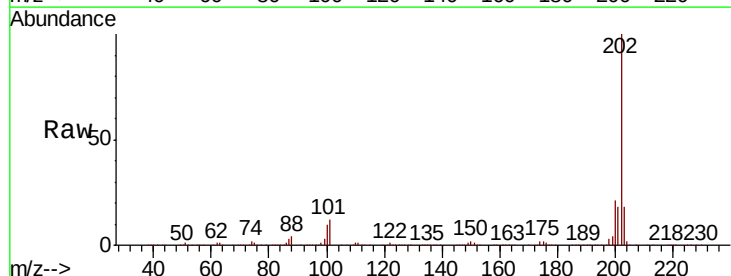


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

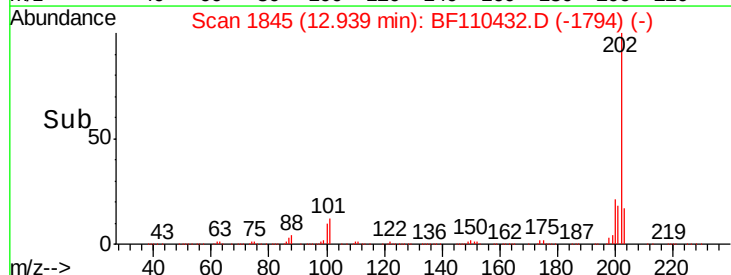
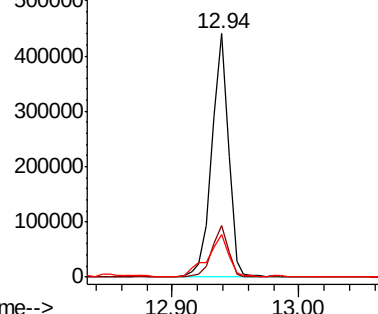


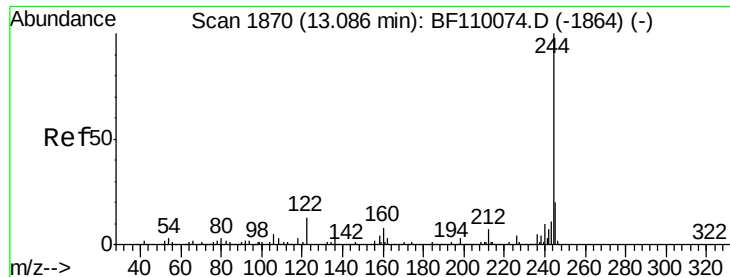
#78
Pyrene
Concen: 41.386 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BF110432.D
Acq: 3 Nov 2018 00:37

Tgt Ion:202 Resp: 396724
Ion Ratio Lower Upper
202 100
200 21.1 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

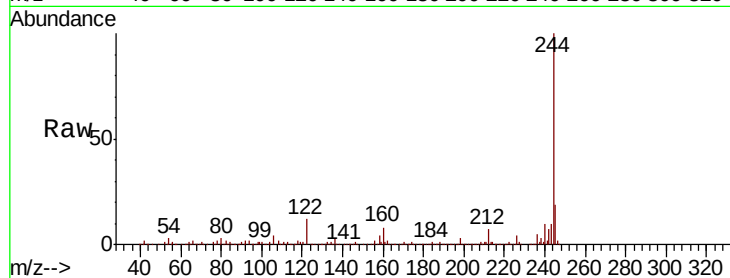




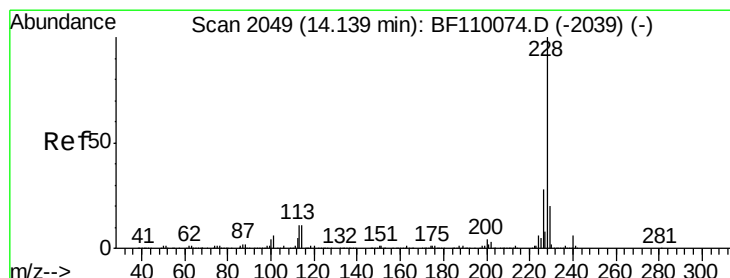
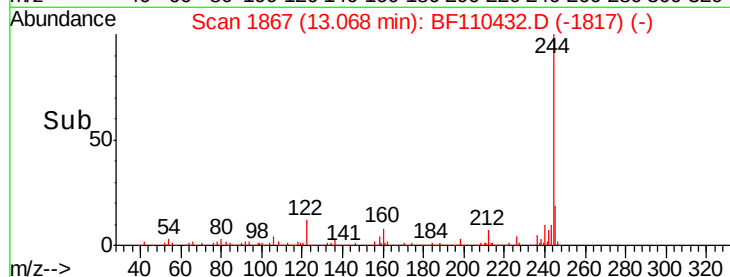
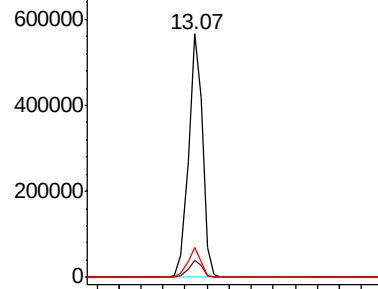
#79
 Terphenyl-d14
 Concen: 76.541 ng
 RT: 13.07 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: BF110432.D
 Acq: 3 Nov 2018 00:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 492105
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 12.2 8.7 13.1

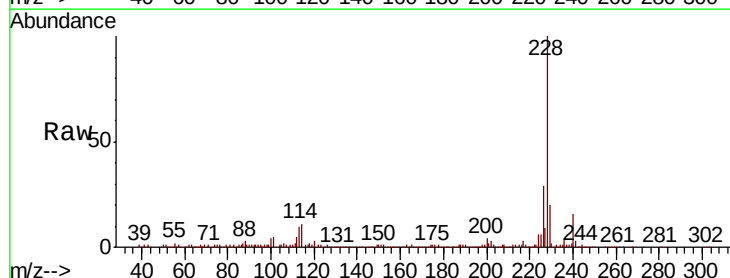


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

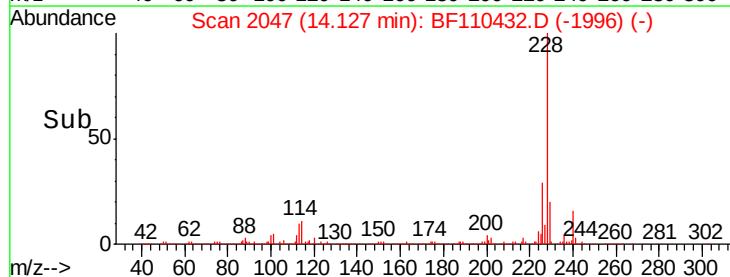
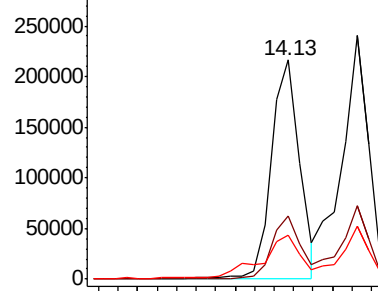


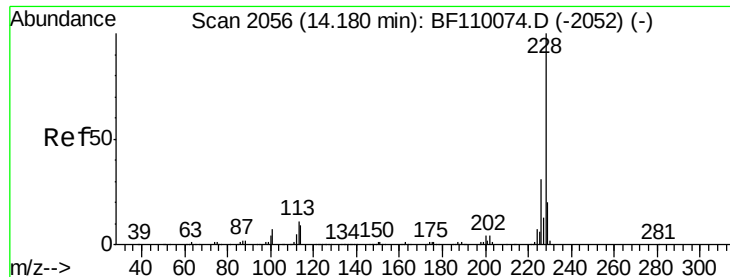
#81
 Benzo(a)anthracene
 Concen: 27.194 ng
 RT: 14.13 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: BF110432.D
 Acq: 3 Nov 2018 00:37

Tgt Ion:228 Resp: 215633
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.1 33.1
 229 20.1 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: 30.844 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF110432.D

Acq: 3 Nov 2018 00:37

Instrument :

BNA_F

ClientSampleId :

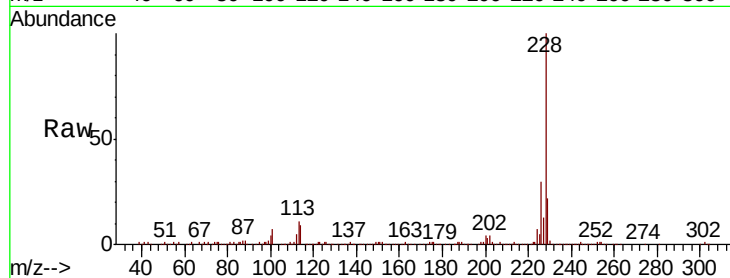
Tot Ion:228 Resp: 232296

Ion Ratio Lower Upper

228 100

226 30.2 24.7 37.1

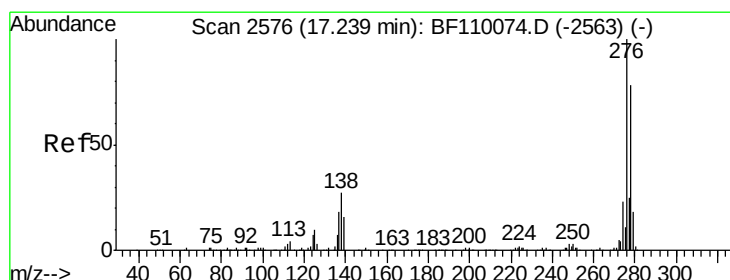
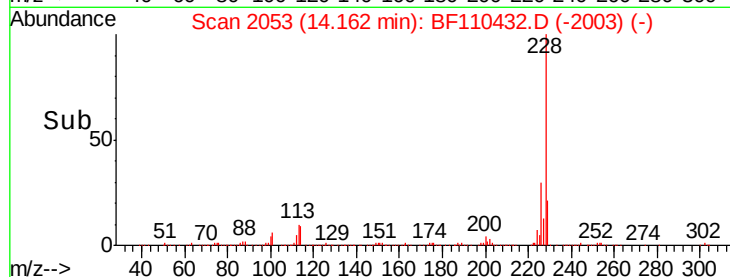
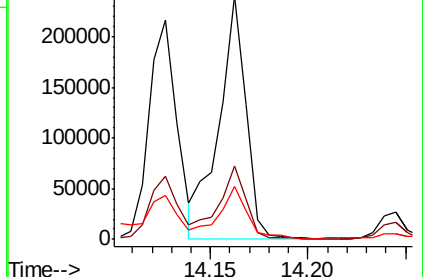
229 21.5 15.9 23.9



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: 14.285 ng

RT: 17.23 min Scan# 2574

Delta R.T. -0.00 min

Lab File: BF110432.D

Acq: 3 Nov 2018 00:37

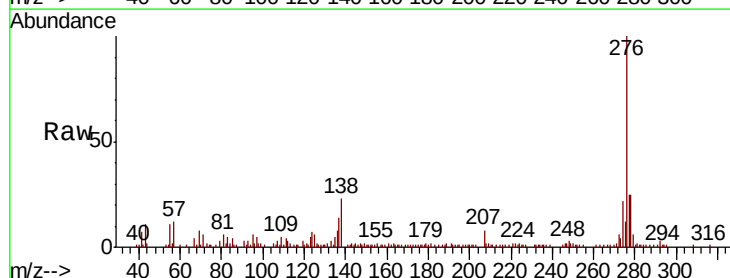
Tgt Ion:276 Resp: 89254

Ion Ratio Lower Upper

276 100

138 23.7 18.5 27.7

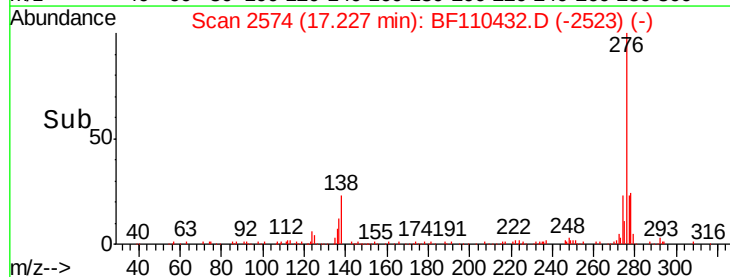
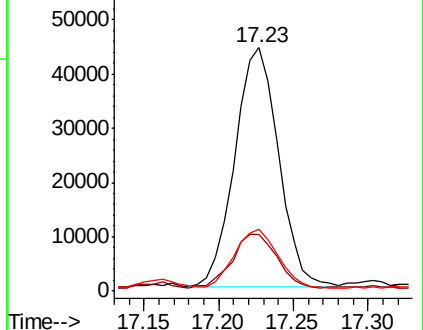
277 25.1 20.0 30.0

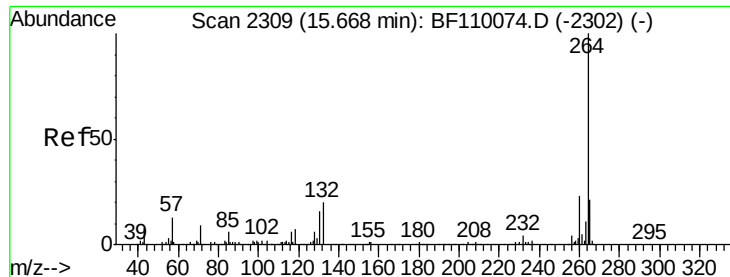


Abundance Ion 276.00 (275.70 to 276.70): E

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# 2308

Delta R.T. 0.01 min

Lab File: BF110432.D

Acq: 3 Nov 2018 00:37

Instrument :

BNA_F

ClientSampleId :

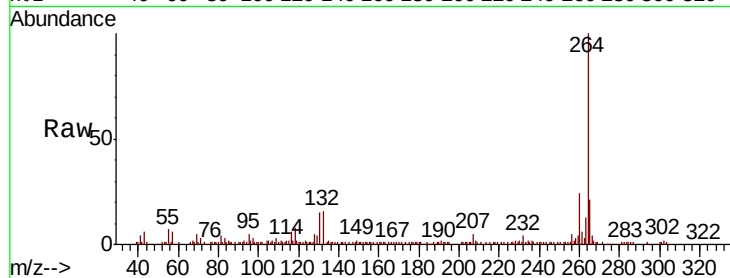
Tot Ion:264 Resp: 99347

Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

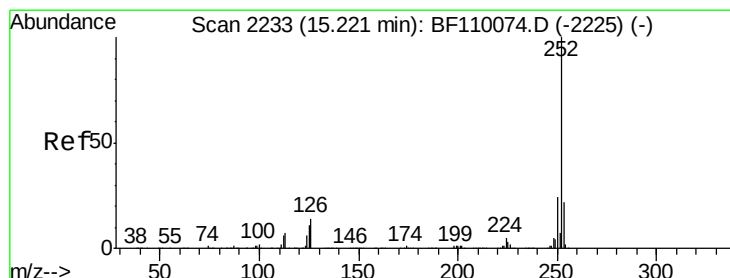
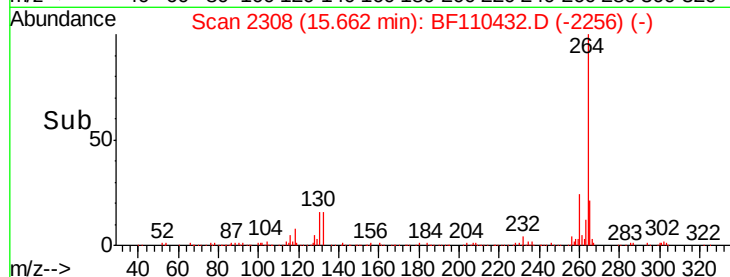
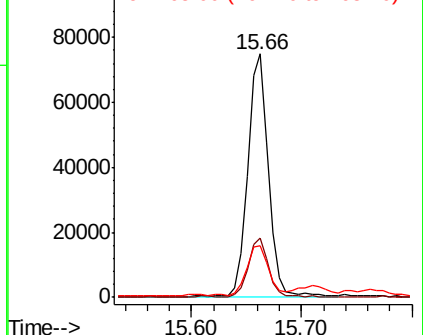
265 21.4 16.7 25.1



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: 61.046 ng

RT: 15.21 min Scan# 2231

Delta R.T. 0.01 min

Lab File: BF110432.D

Acq: 3 Nov 2018 00:37

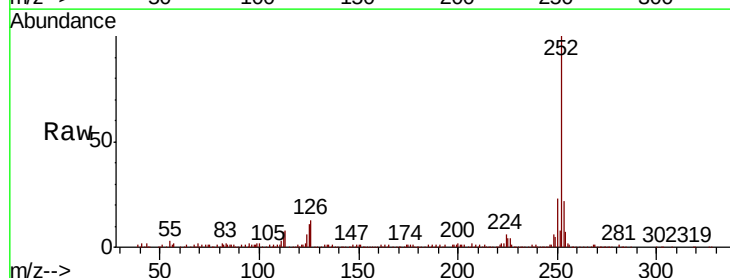
Tgt Ion:252 Resp: 350219

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

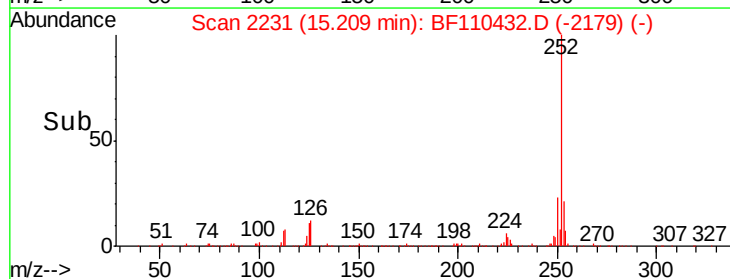
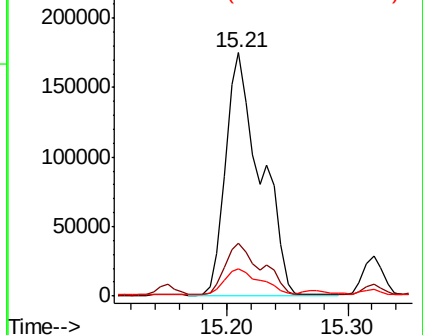
125 11.3 8.2 12.4

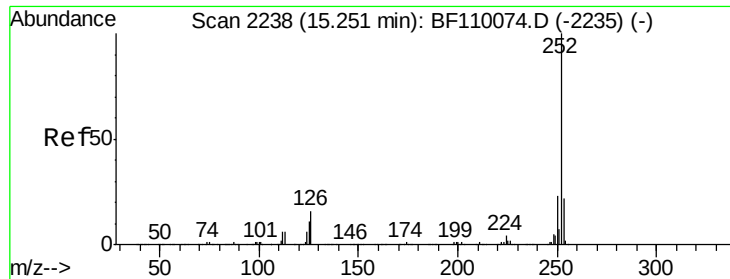


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

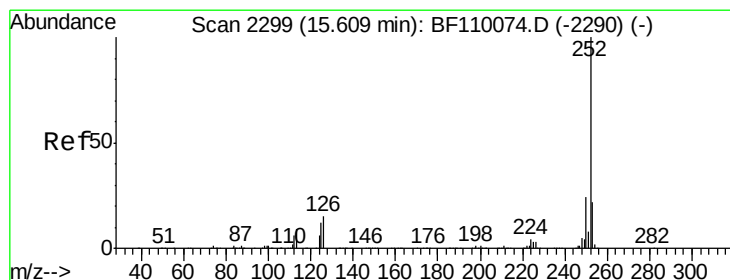
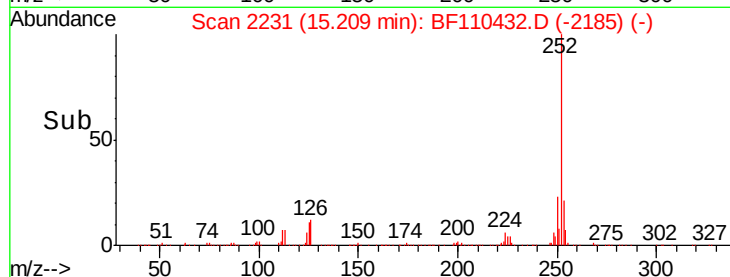
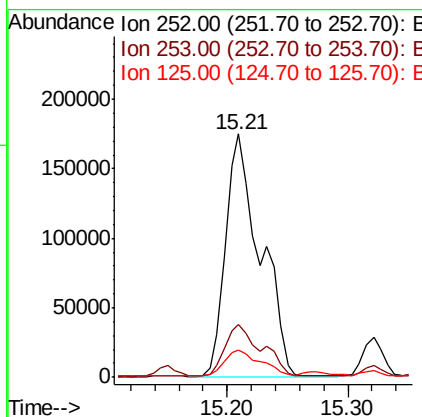
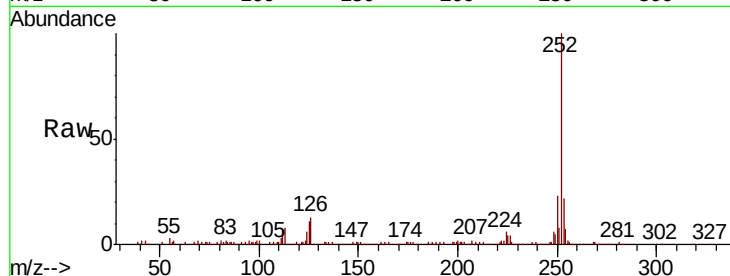




#89
Benzo(k)fluoranthene
Concen: 62.096 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.03 min
Lab File: BF110432.D
Acq: 3 Nov 2018 00:37

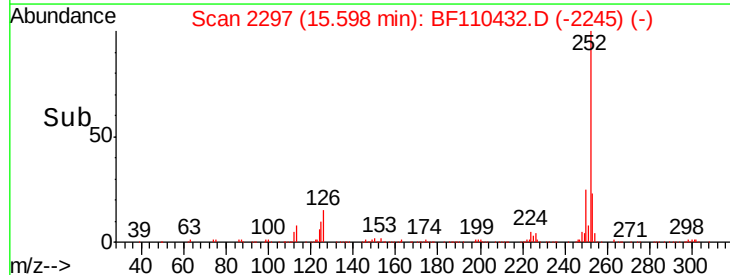
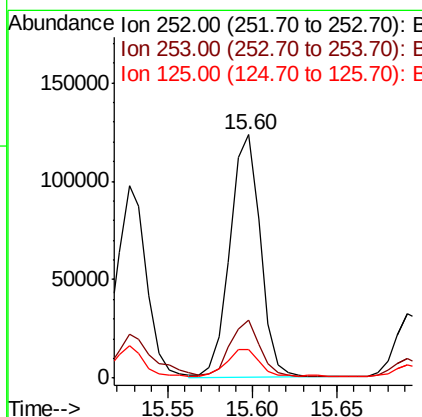
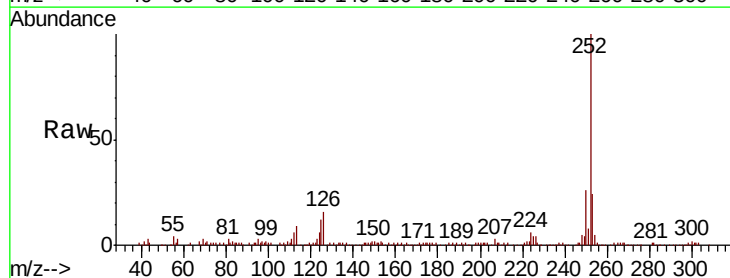
Instrument :
BNA_F
ClientSampleId :

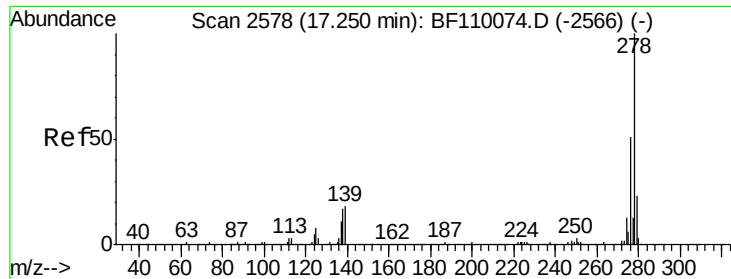
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	11.3	7.4	11.0



#90
Benzo(a)pyrene
Concen: 29.225 ng
RT: 15.60 min Scan# 2297
Delta R.T. 0.01 min
Lab File: BF110432.D
Acq: 3 Nov 2018 00:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.4
125	11.7	9.0	13.6



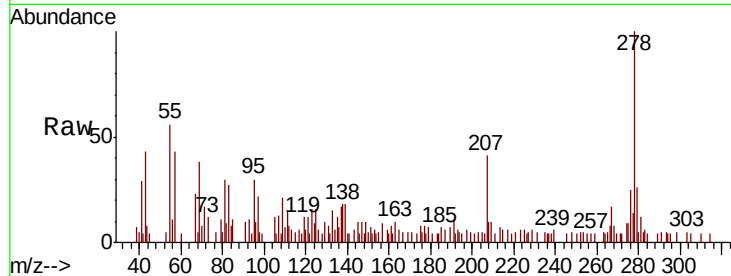


#91
Dibenzo(a,h)anthracene
Concen: 3.728 ng
RT: 17.41 min Scan# 2605
Delta R.T. 0.17 min
Lab File: BF110432.D
Acq: 3 Nov 2018 00:37

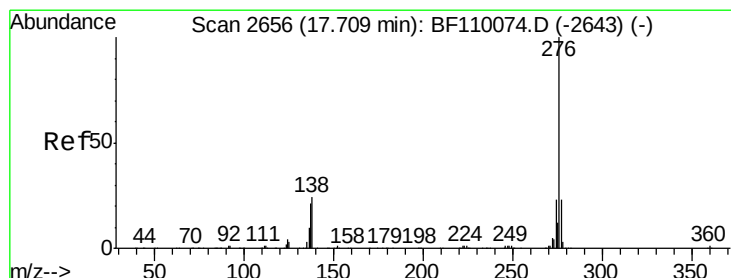
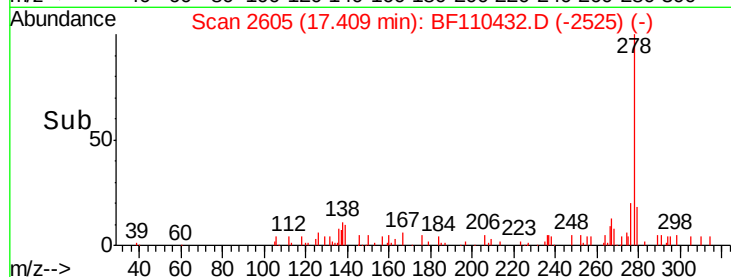
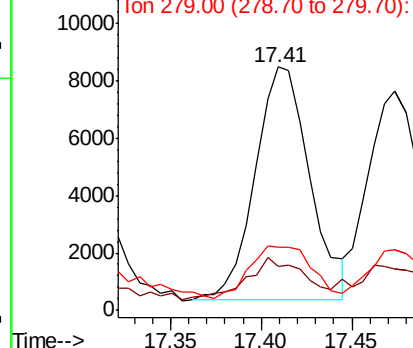
Instrument :
BNA_F
ClientSampled :

Tot Ion:278 Resp: 16981

Ion	Ratio	Lower	Upper
278	100		
139	18.3	12.7	19.1
279	25.7	19.0	28.4



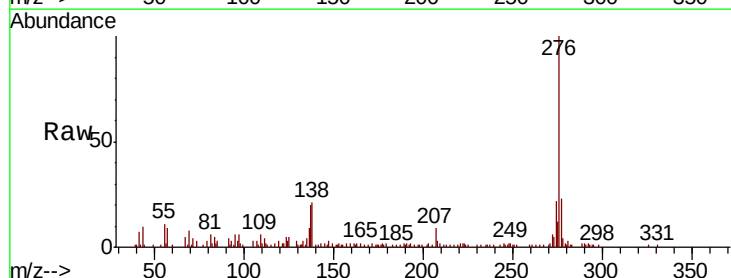
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 18.680 ng
RT: 17.71 min Scan# 2656
Delta R.T. 0.01 min
Lab File: BF110432.D
Acq: 3 Nov 2018 00:37

Tgt Ion:276 Resp: 83844

Ion	Ratio	Lower	Upper
276	100		
277	23.4	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

