

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110718\
 Data File : BF110558.D
 Acq On : 7 Nov 2018 16:33
 Operator : JU/SJ
 Sample : J5839-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

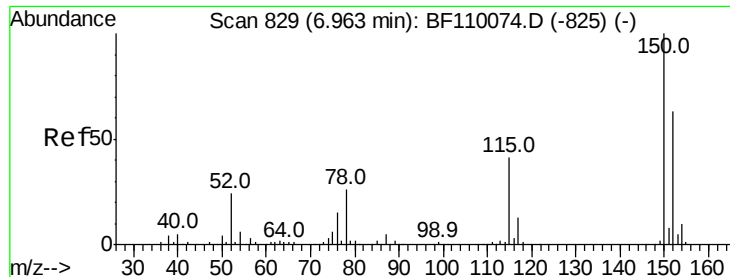
Quant Time: Nov 08 16:21:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	72447	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	292992	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	140644	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	249924	20.00	ng	0.00
76) Chrysene-d12	14.13	240	159455	20.00	ng	0.00
87) Perylene-d12	15.66	264	162434	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	551256	123.91	ng	0.00
7) Phenol-d6	6.58	99	694973	122.13	ng	0.00
23) Nitrobenzene-d5	7.52	82	447749	90.64	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	168734	121.11	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	870197	97.16	ng	0.00
79) Terphenyl-d14	13.07	244	723577	94.37	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.59	77	1356	Below Cal	#	1
10) Phenol	6.59	94	46692	7.676	ng	63
19) n-Nitroso-di-n-propylamine	7.52	70	58508	16.027	ng	80
25) Isophorone	7.52	82	447746	53.174	ng	67
50) Dimethylphthalate	9.70	163	138111	13.303	ng	99
56) 4-Nitrophenol	10.20	139	4462	2.267	ng	6
57) 2,4-Dinitrotoluene	9.99	165	18186	6.402	ng	19
67) 4-Bromophenyl-phenylether	10.79	248	10672	3.937	ng	1
71) Phenanthrene	11.51	178	67968	5.197	ng	99
75) Fluoranthene	12.70	202	56055	4.224	ng	98
77) Benzydine	12.64	184	551	Below Cal	#	1
78) Pvrene	12.94	202	43669	3.820	ng	97
81) Benzo(a)anthracene	14.13	228	18919	2.001	ng	96
88) Benzo(b)fluoranthene	15.21	252	24283	2.589	ng	91
89) Benzo(k)fluoranthene	15.21	252	24283	2.633	ng	90

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

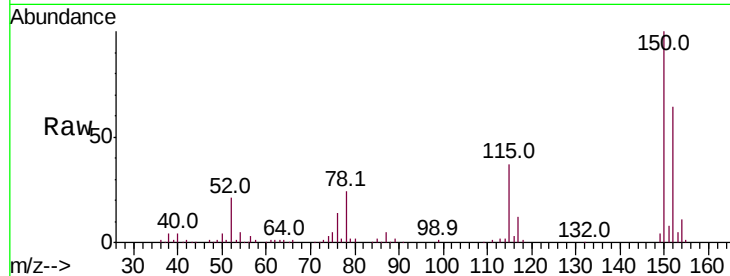


#1

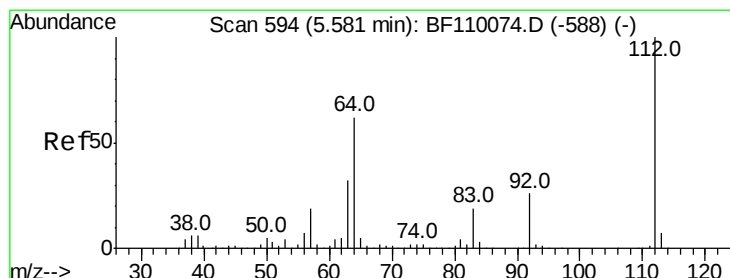
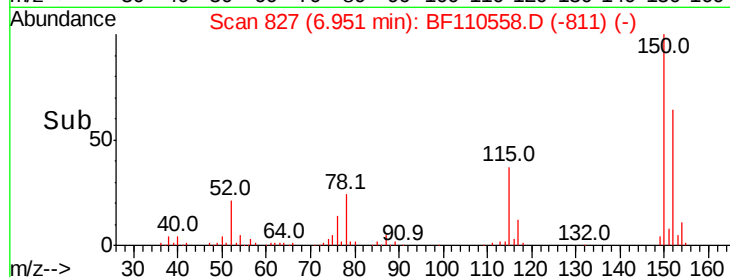
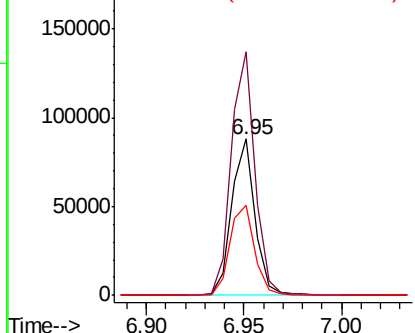
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110558.D
Acq: 7 Nov 2018 16:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 72447
Ion Ratio Lower Upper
152 100
150 155.9 122.7 184.1
115 57.7 49.1 73.7



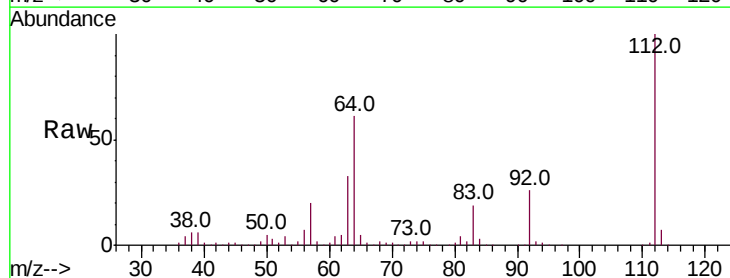
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



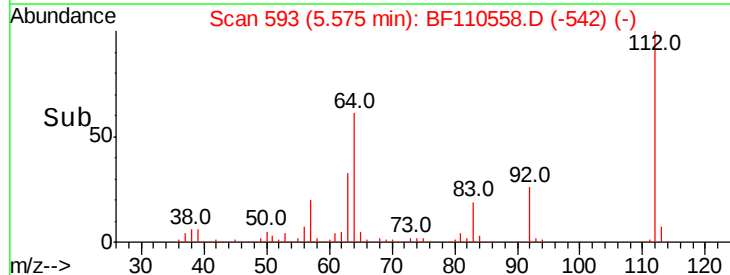
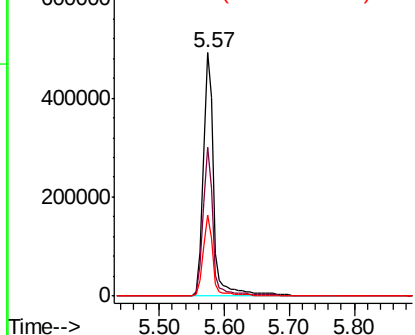
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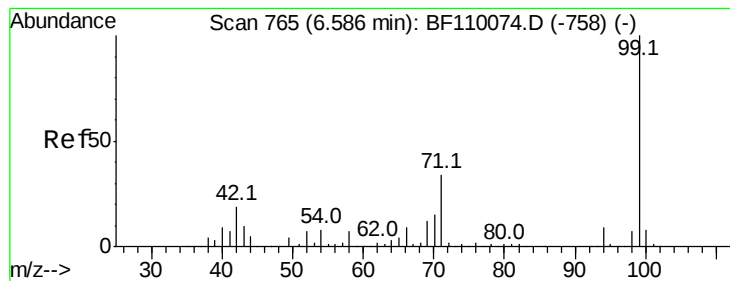
2-Fluorophenol
Concen: 123.910 ng
RT: 5.57 min Scan# 593
Delta R.T. -0.00 min
Lab File: BF110558.D
Acq: 7 Nov 2018 16:33

Tgt Ion:112 Resp: 551256
Ion Ratio Lower Upper
112 100
64 61.3 44.1 66.1
63 33.5 23.7 35.5



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





#7

Phenol-d6

Concen: 122.131 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF110558.D

Acq: 7 Nov 2018 16:33

Instrument :

BNA_F

ClientSampled :

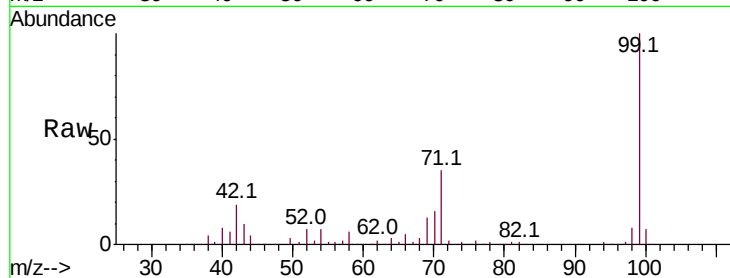
Tot Ion: 99 Resp: 694973

Ion Ratio Lower Upper

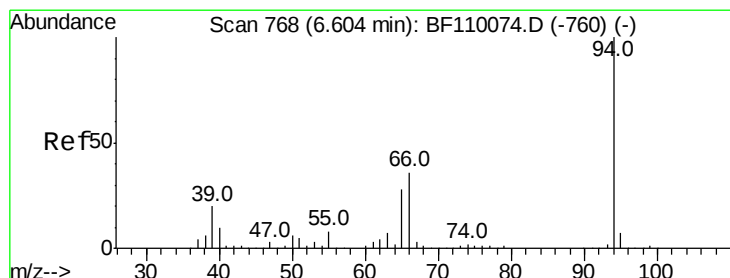
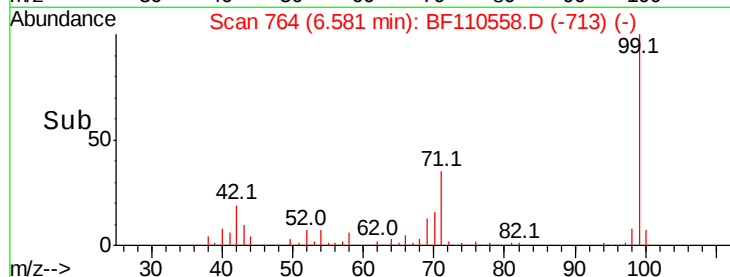
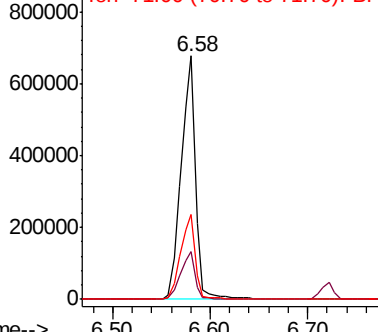
99 100

42 19.4 15.8 23.6

71 34.8 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: 7.676 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110558.D

Acq: 7 Nov 2018 16:33

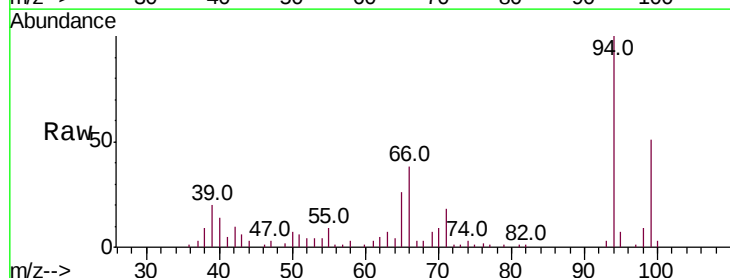
Tgt Ion: 94 Resp: 46692

Ion Ratio Lower Upper

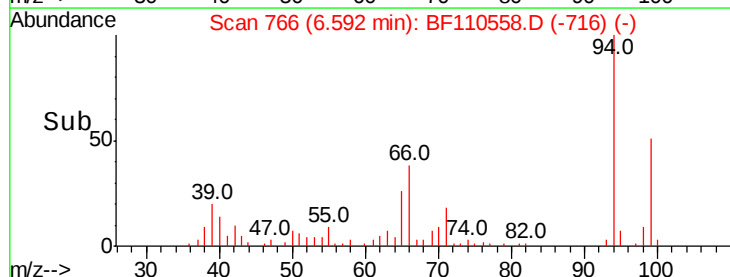
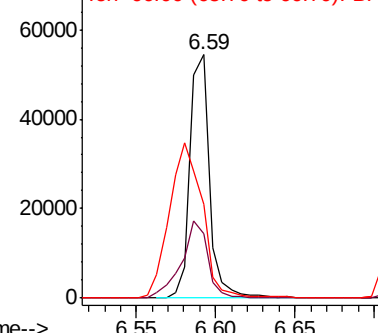
94 100

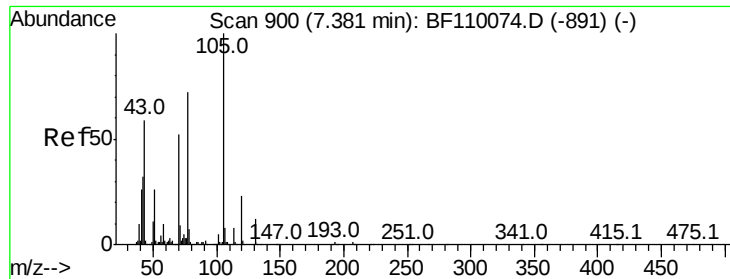
65 26.2 25.3 65.3

66 38.4 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

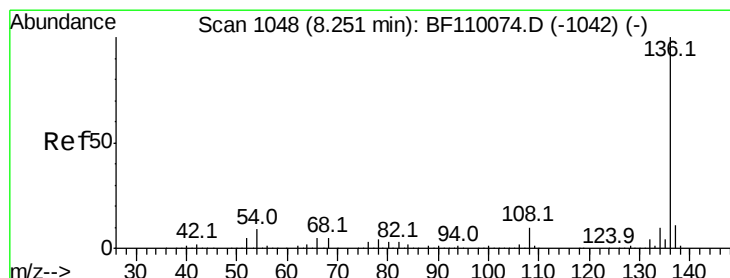
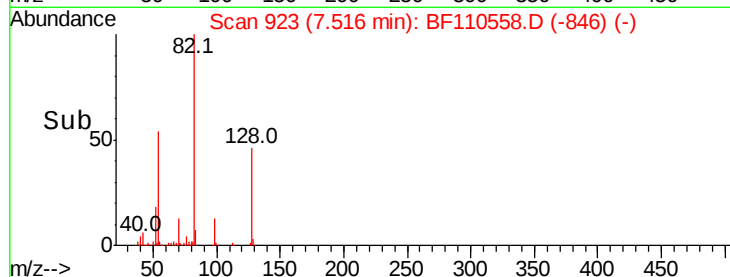
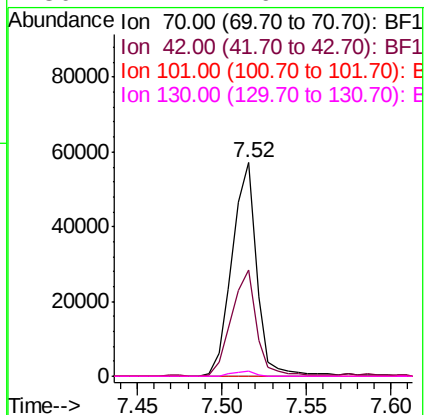
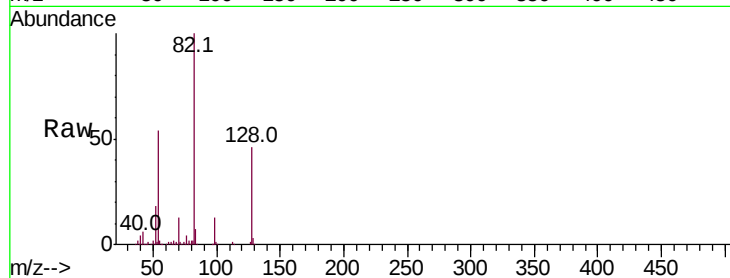




#19
n-Nitroso-di-n-propylamine
Concen: 16.027 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.15 min
Lab File: BF110558.D
Acq: 7 Nov 2018 16:33

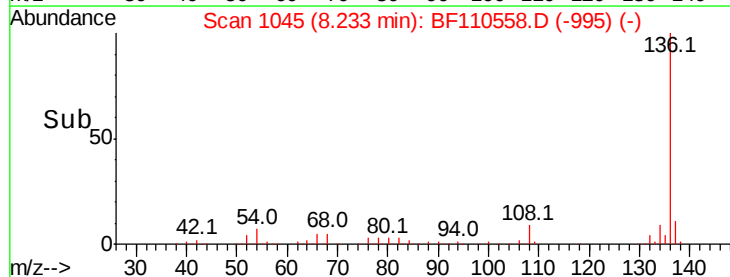
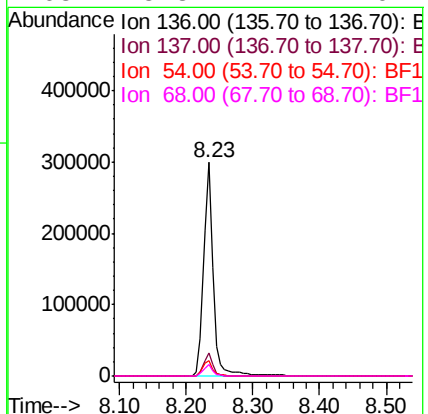
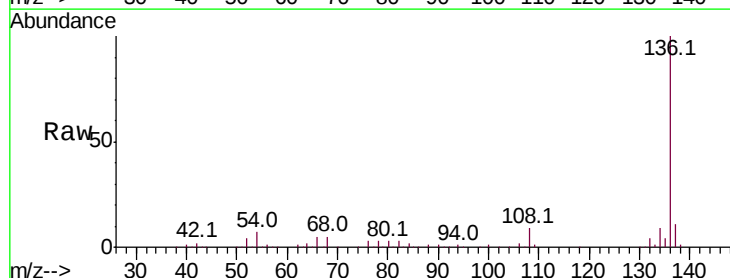
Instrument :
BNA_F
ClientSampleId :

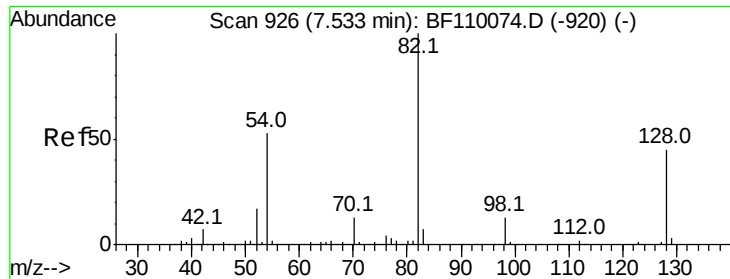
Tot Ion: 70 Resp: 58508
Ion Ratio Lower Upper
70 100
42 49.7 47.4 71.2
101 0.0 7.3 10.9#
130 2.1 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF110558.D
Acq: 7 Nov 2018 16:33

Tgt Ion: 136 Resp: 292992
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.5 5.4 8.2
68 5.3 4.2 6.2

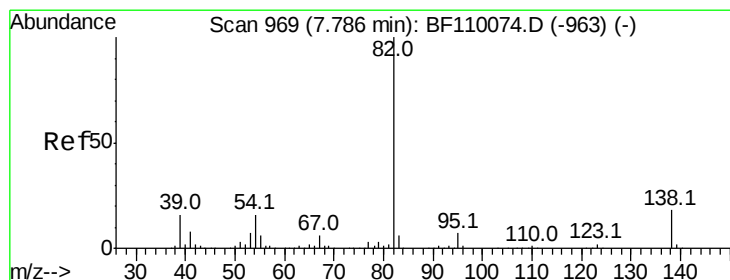
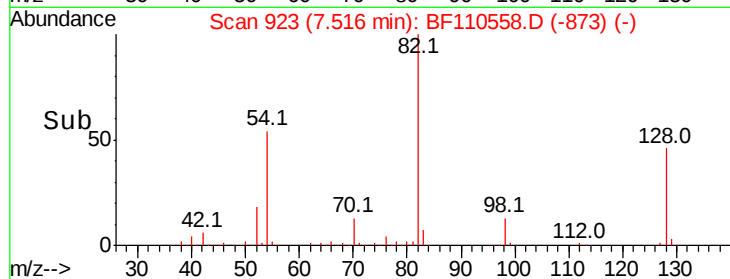
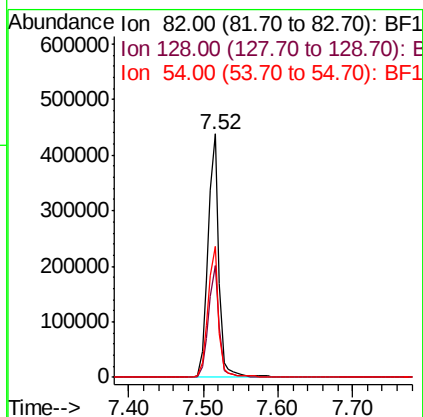
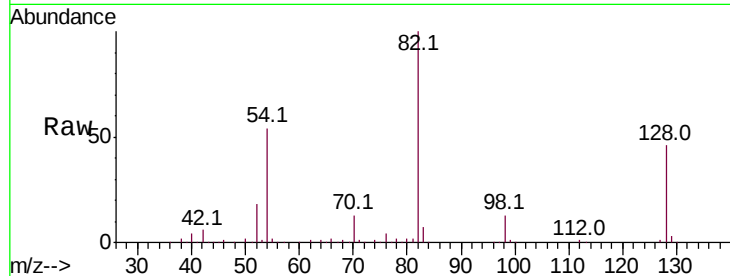




#23
 Nitrobenzene-d5
 Concen: 90.642 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BF110558.D
 Acq: 7 Nov 2018 16:33

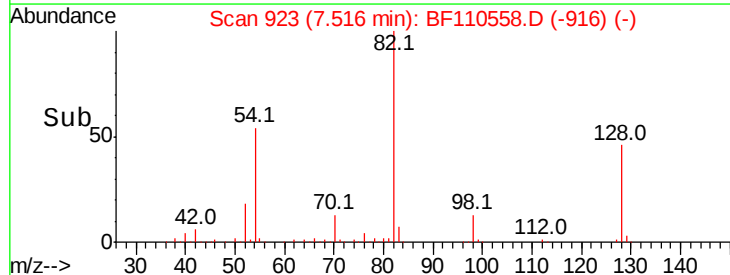
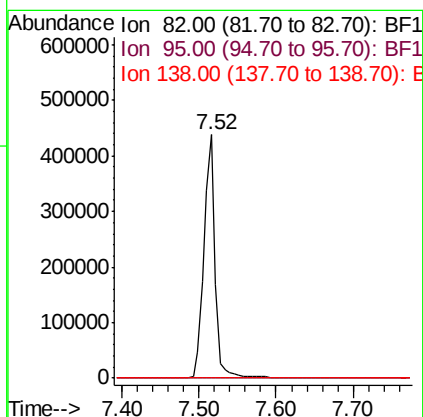
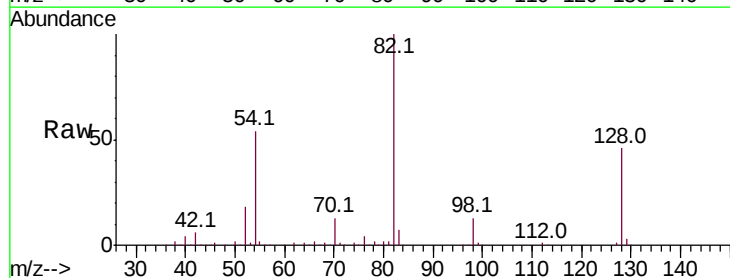
Instrument :
 BNA_F
 ClientSampled :

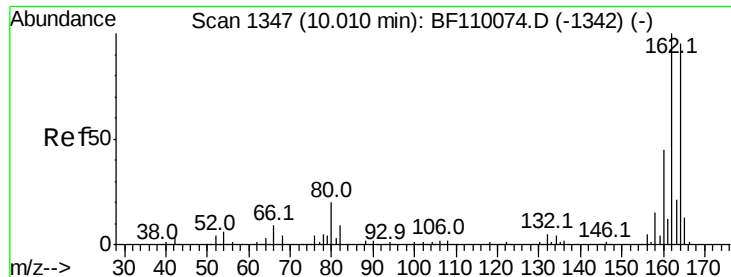
Tot Ion: 82 Resp: 447749
 Ion Ratio Lower Upper
 82 100
 128 45.7 34.2 51.2
 54 53.7 38.6 58.0



#25
 Isophorone
 Concen: 53.174 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.26 min
 Lab File: BF110558.D
 Acq: 7 Nov 2018 16:33

Tgt Ion: 82 Resp: 447746
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 13.2 19.8#

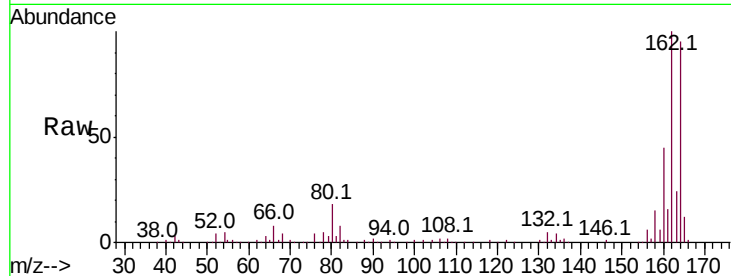




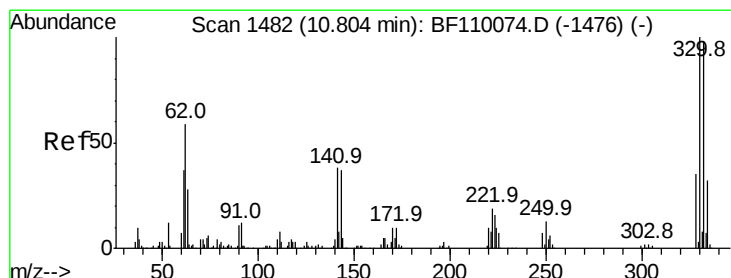
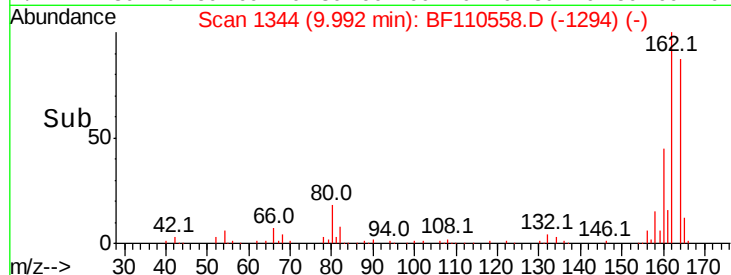
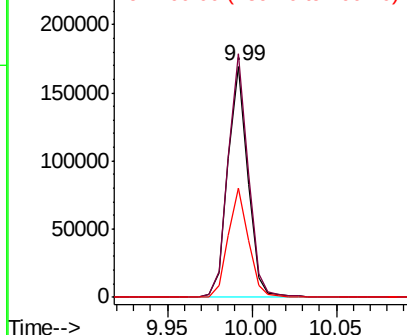
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF110558.D
Acq: 7 Nov 2018 16:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 140644
Ion Ratio Lower Upper
164 100
162 105.2 83.0 124.6
160 47.2 37.0 55.6

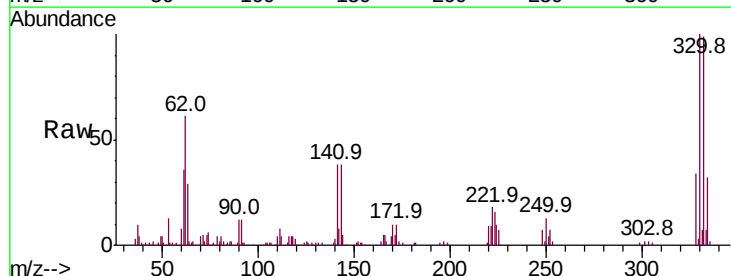


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

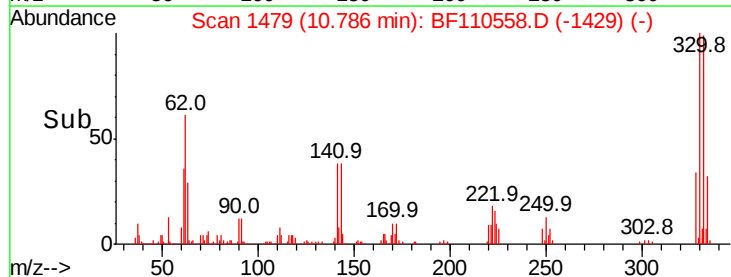
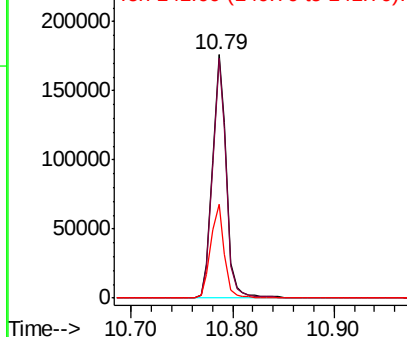


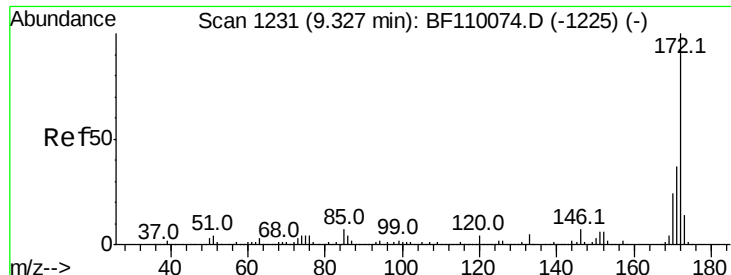
#42
2,4,6-Tribromophenol
Concen: 121.115 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BF110558.D
Acq: 7 Nov 2018 16:33

Tgt Ion:330 Resp: 168734
Ion Ratio Lower Upper
330 100
332 97.1 77.1 115.7
141 37.9 27.0 40.4



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

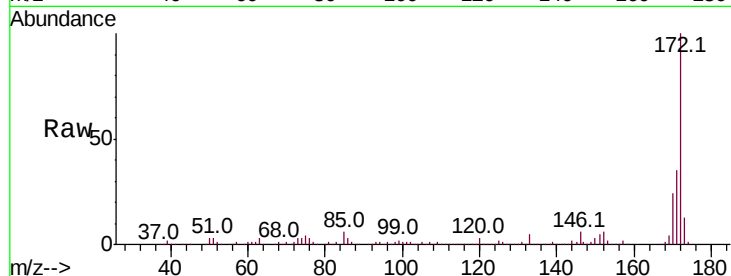




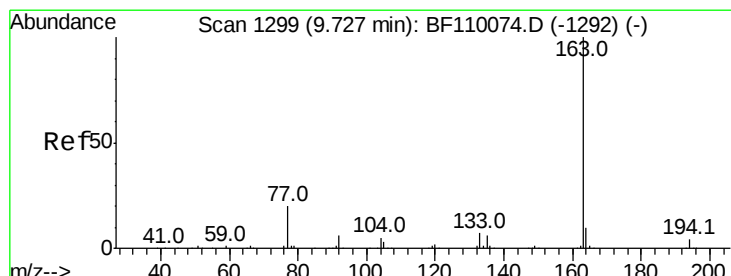
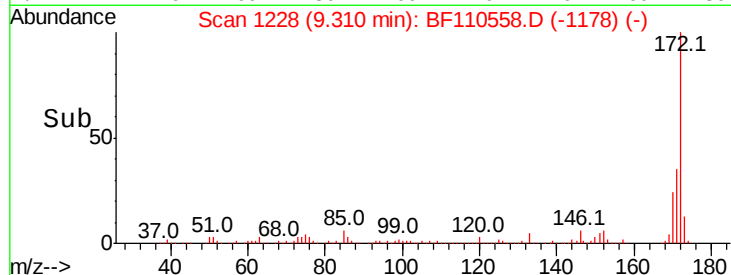
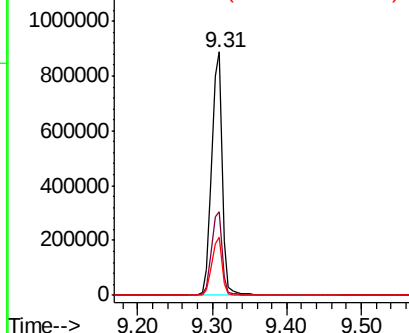
#45
 2-Fluorobiphenyl
 Concen: 97.156 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110558.D
 Acq: 7 Nov 2018 16:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 870197
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.6 43.0
 170 23.6 19.7 29.5

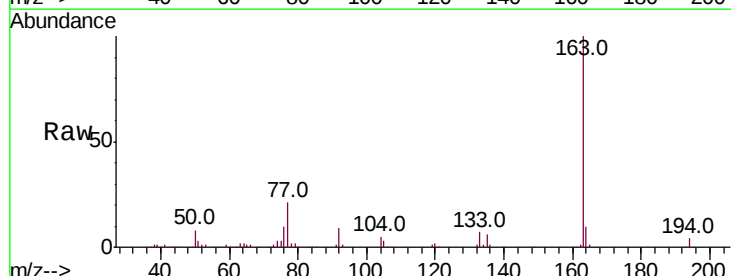


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

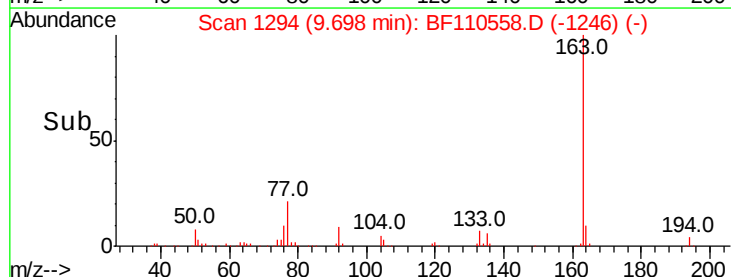
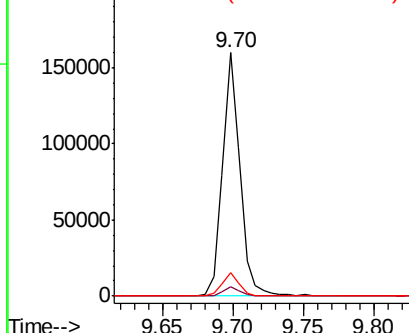


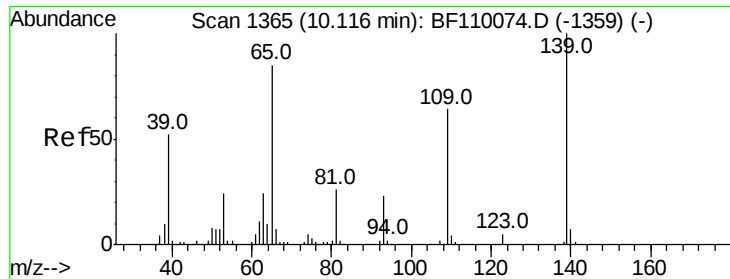
#50
 Dimethylphthalate
 Concen: 13.303 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.02 min
 Lab File: BF110558.D
 Acq: 7 Nov 2018 16:33

Tgt Ion:163 Resp: 138111
 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

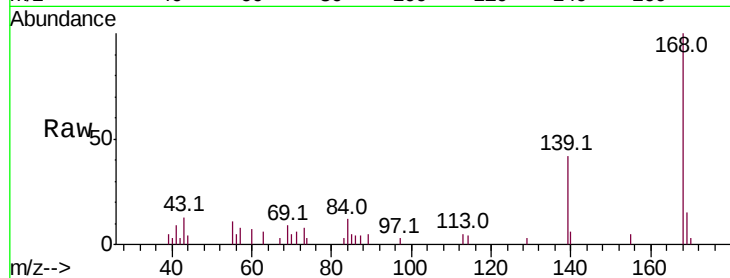




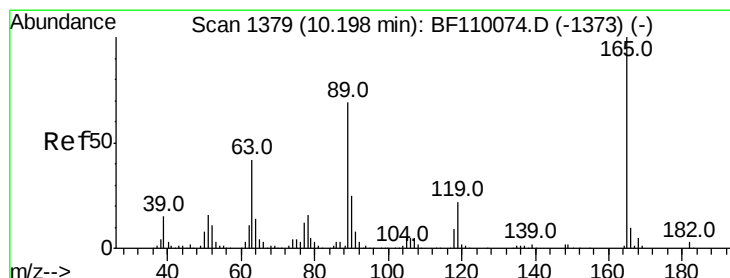
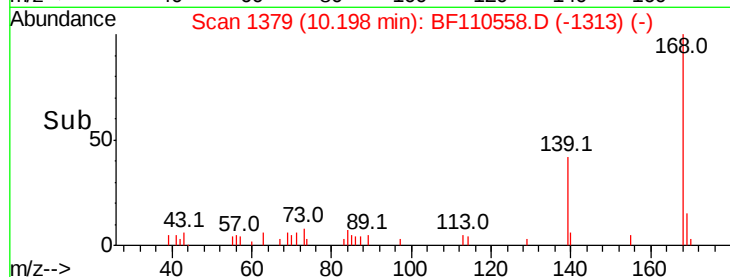
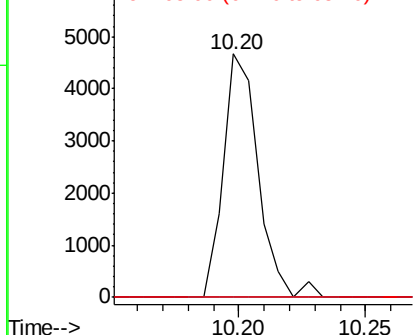
#56
 4-Nitrophenol
 Concen: 2.267 ng
 RT: 10.20 min Scan# 1379
 Delta R.T. 0.09 min
 Lab File: BF110558.D
 Acq: 7 Nov 2018 16:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	55.8	95.8#
65	0.0	77.9	117.9#

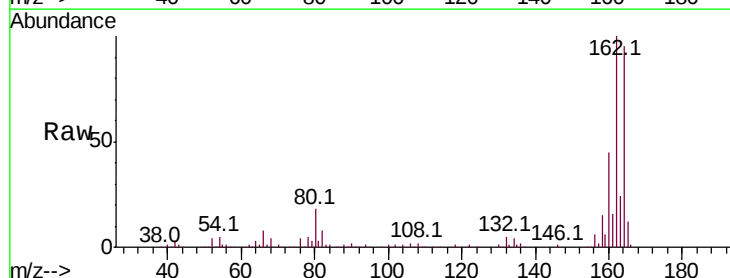


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

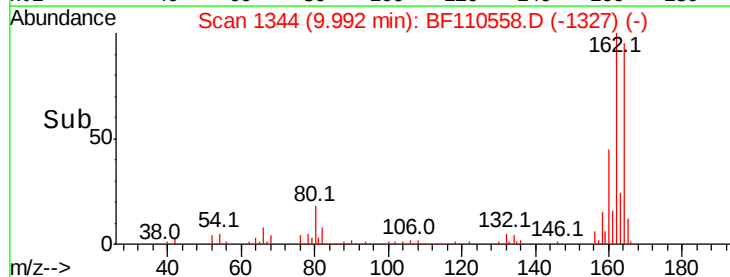
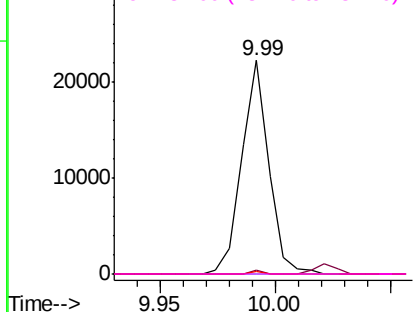


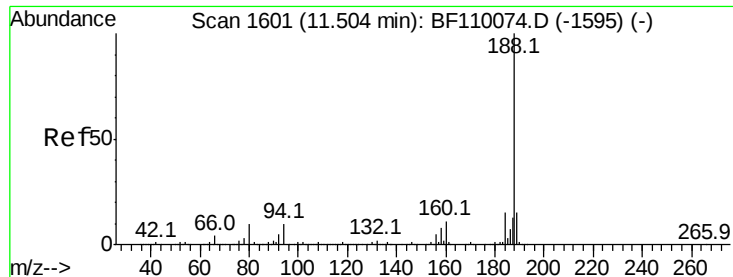
#57
 2,4-Dinitrotoluene
 Concen: 6.402 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.20 min
 Lab File: BF110558.D
 Acq: 7 Nov 2018 16:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.8	67.2#
89	1.5	62.2	93.4#
182	0.0	2.1	3.1#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF110558.D

Acq: 7 Nov 2018 16:33

Instrument :

BNA_F

ClientSampleId :

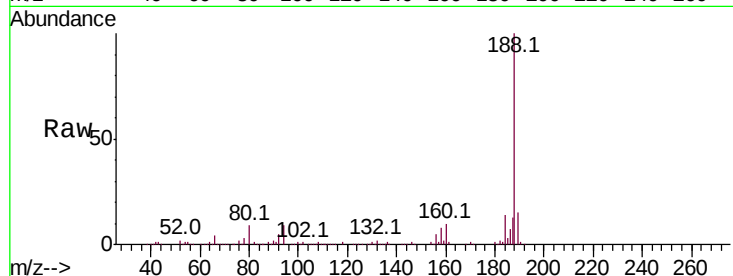
Tot Ion:188 Resp: 249924

Ion Ratio Lower Upper

188 100

94 8.8 7.2 10.8

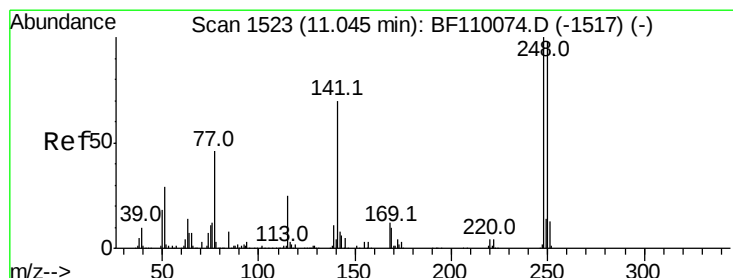
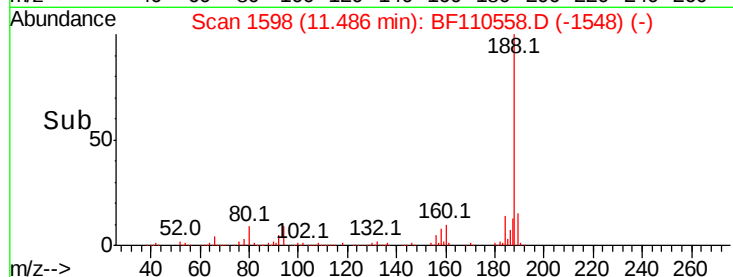
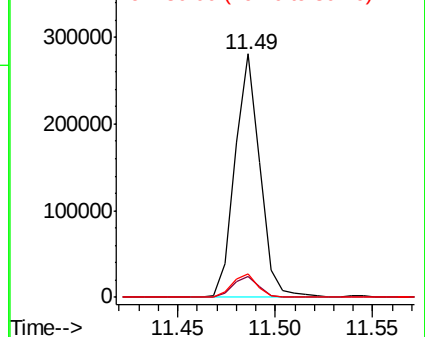
80 9.4 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 3.937 ng

RT: 10.79 min Scan# 1479

Delta R.T. -0.24 min

Lab File: BF110558.D

Acq: 7 Nov 2018 16:33

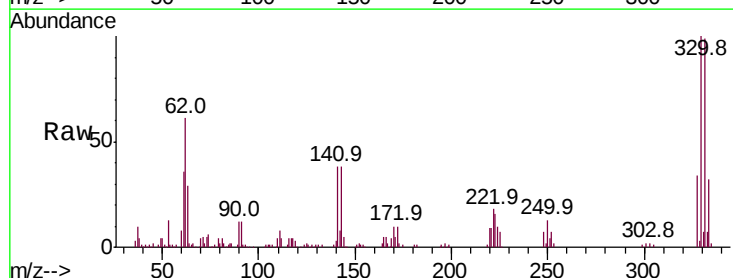
Tgt Ion:248 Resp: 10672

Ion Ratio Lower Upper

248 100

250 195.3 79.4 119.2#

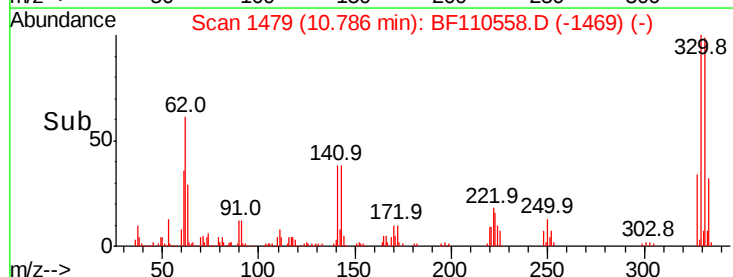
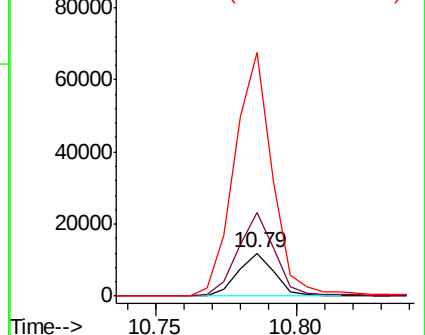
141 566.4 55.9 83.9#

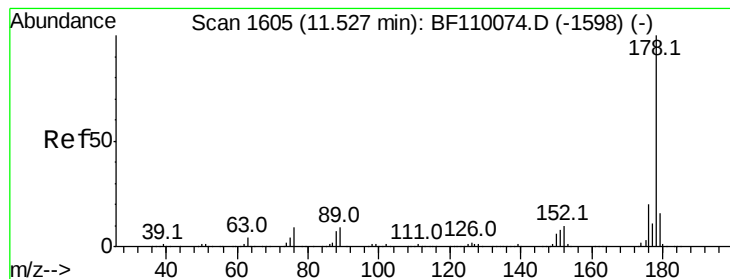


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 5.197 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BF110558.D

Acq: 7 Nov 2018 16:33

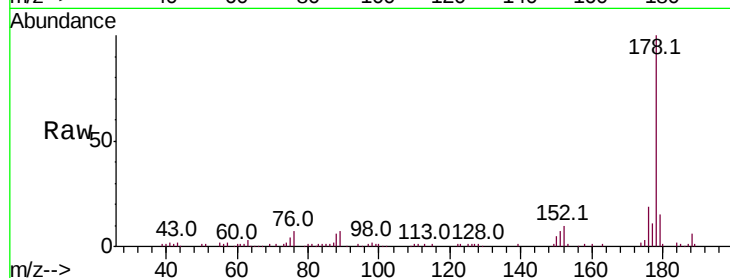
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 67968

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.2	12.5	18.7

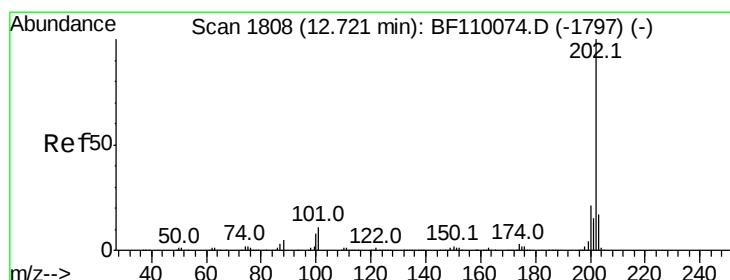
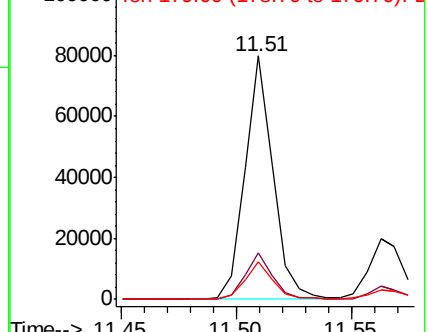
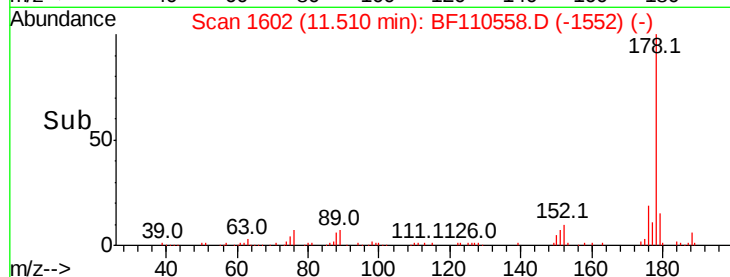


Abundance

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: 4.224 ng

RT: 12.70 min Scan# 1805

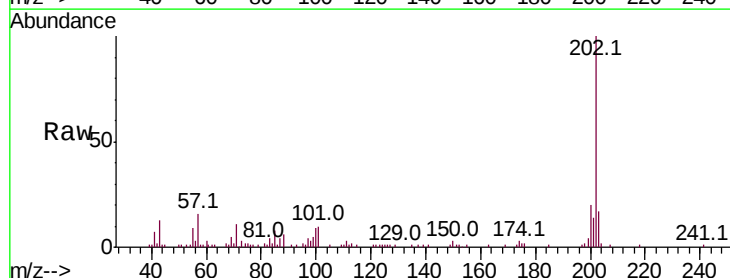
Delta R.T. -0.01 min

Lab File: BF110558.D

Acq: 7 Nov 2018 16:33

Tgt Ion:202 Resp: 56055

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.4
203	16.8	0.0	37.7

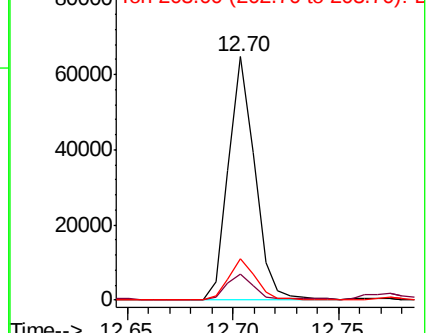
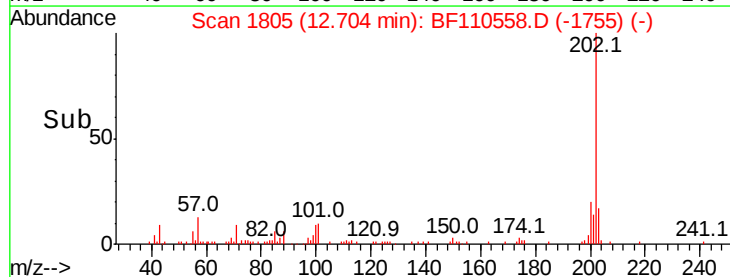


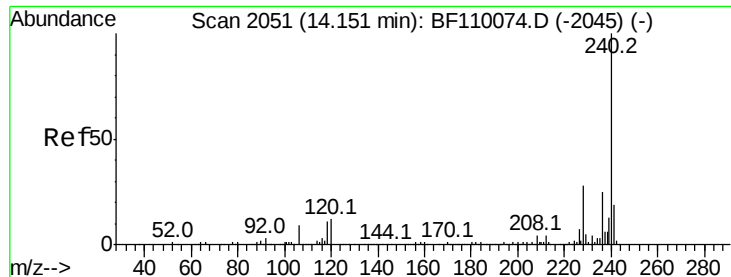
Abundance

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: BF110558.D

Acq: 7 Nov 2018 16:33

Instrument :

BNA_F

ClientSampleId :

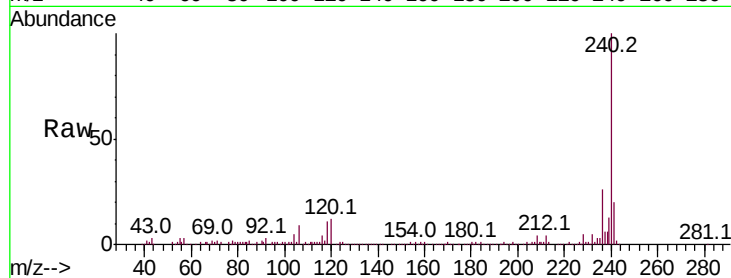
Tot Ion:240 Resp: 159455

Ion Ratio Lower Upper

240 100

120 12.0 8.3 12.5

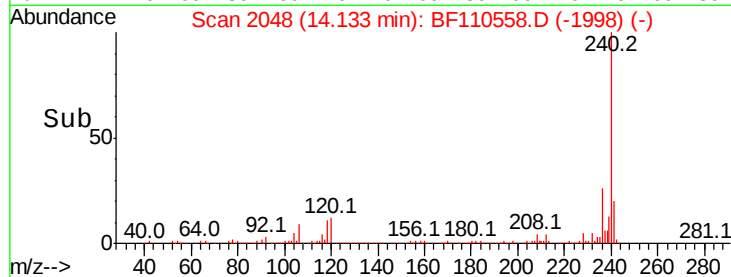
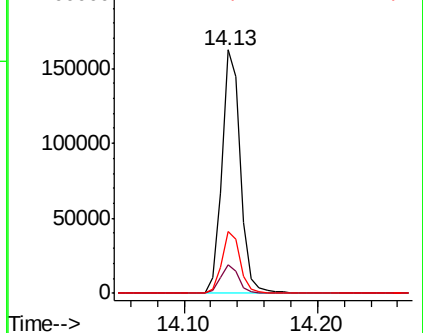
236 25.6 21.2 31.8



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

Pyrene

Concen: 3.820 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.00 min

Lab File: BF110558.D

Acq: 7 Nov 2018 16:33

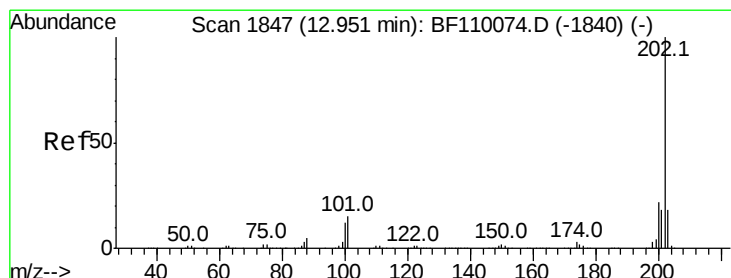
Tgt Ion:202 Resp: 43669

Ion Ratio Lower Upper

202 100

200 19.5 17.8 26.6

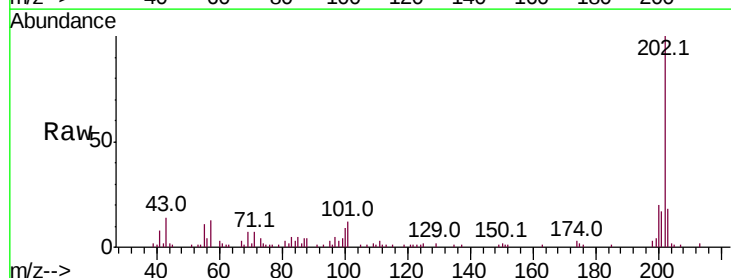
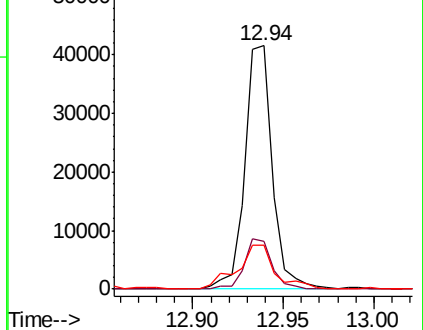
203 18.0 14.2 21.4

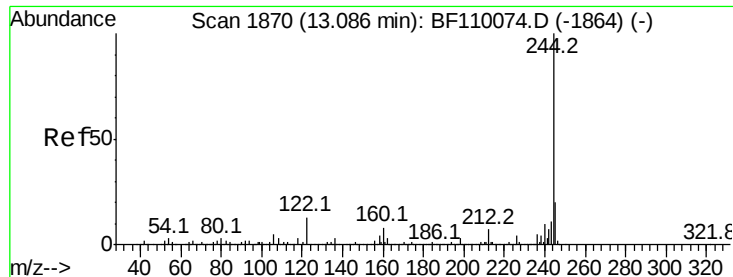


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

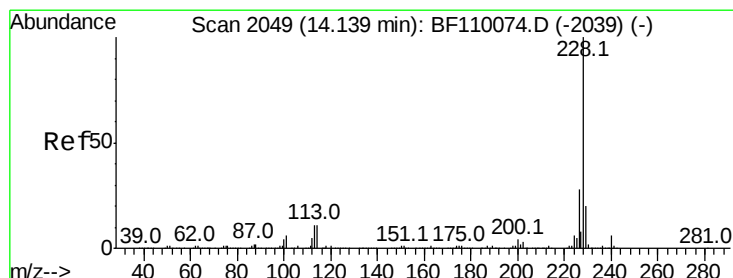
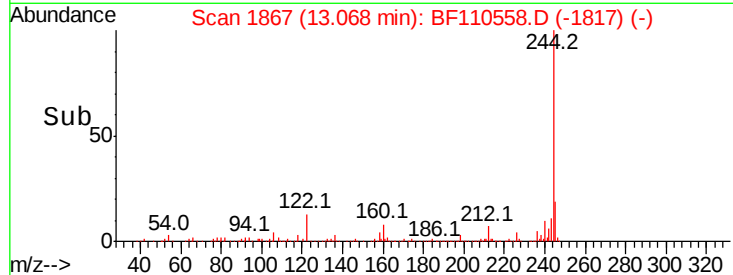
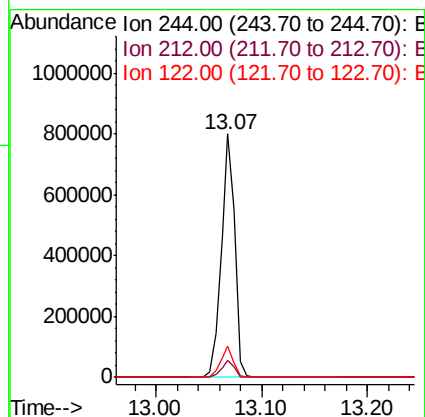
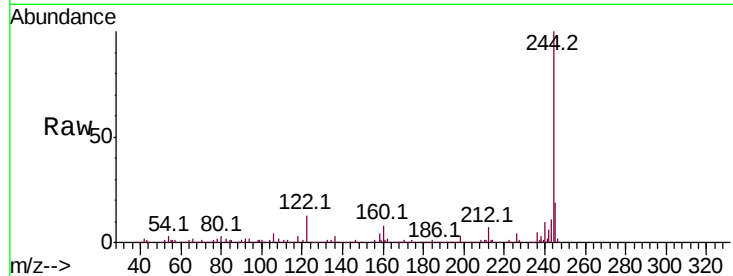




#79
 Terphenyl-d14
 Concen: 94.373 ng
 RT: 13.07 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: BF110558.D
 Acq: 7 Nov 2018 16:33

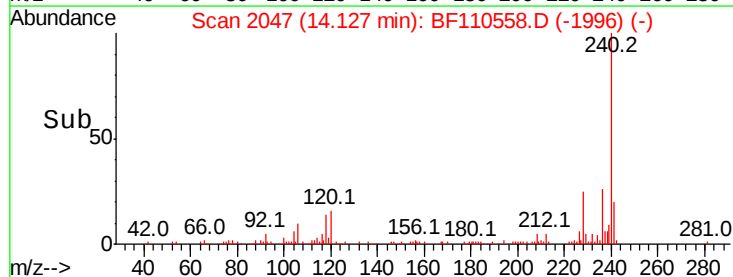
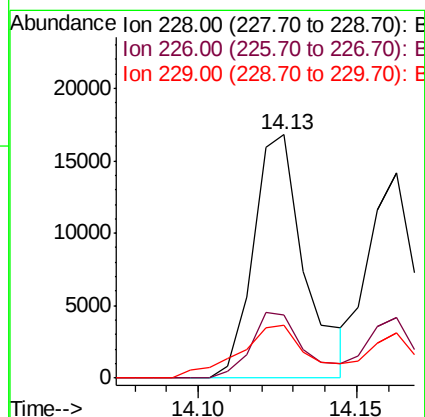
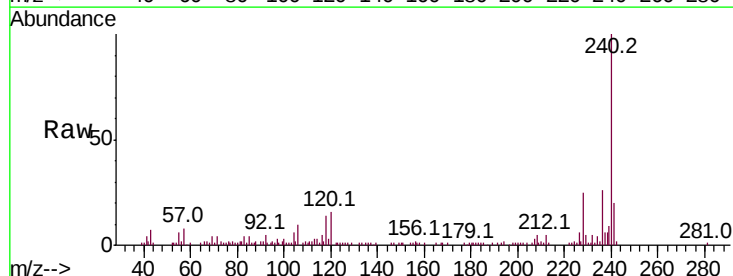
Instrument :
 BNA_F
 ClientSampleId :

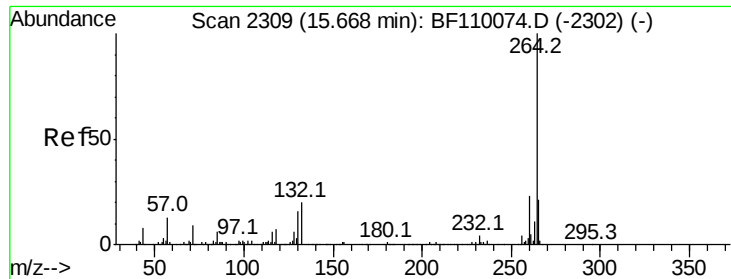
Tot Ion:244 Resp: 723577
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 12.7 8.7 13.1



#81
 Benzo(a)anthracene
 Concen: 2.001 ng
 RT: 14.13 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: BF110558.D
 Acq: 7 Nov 2018 16:33

Tgt Ion:228 Resp: 18919
 Ion Ratio Lower Upper
 228 100
 226 25.8 22.1 33.1
 229 21.6 15.6 23.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2308

Delta R.T. 0.01 min

Lab File: BF110558.D

Acq: 7 Nov 2018 16:33

Instrument :

BNA_F

ClientSampleId :

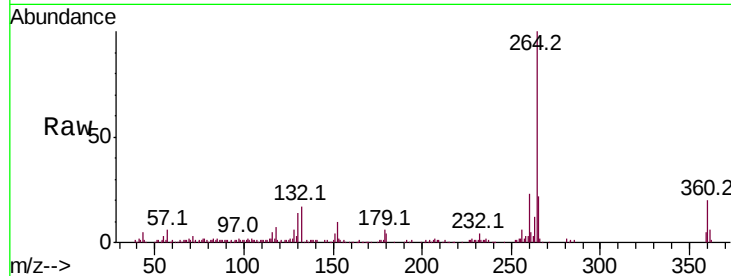
Tot Ion:264 Resp: 162434

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

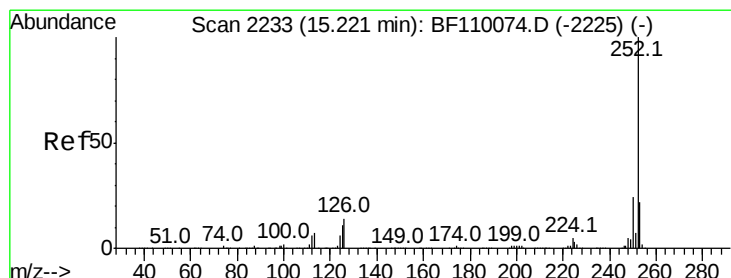
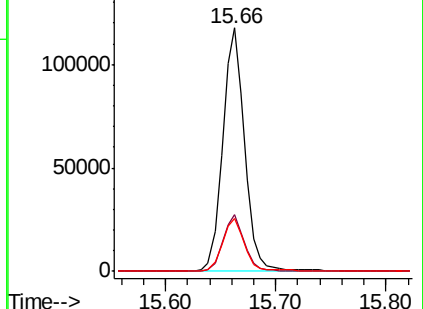
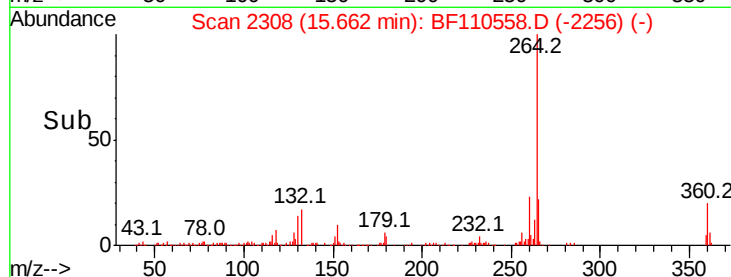
265 21.8 16.7 25.1



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: 2.589 ng

RT: 15.21 min Scan# 2231

Delta R.T. 0.01 min

Lab File: BF110558.D

Acq: 7 Nov 2018 16:33

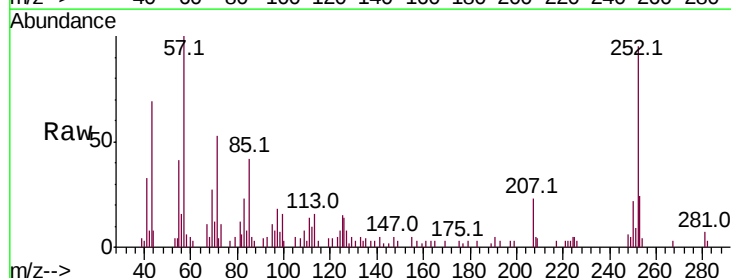
Tgt Ion:252 Resp: 24283

Ion Ratio Lower Upper

252 100

253 25.1 17.2 25.8

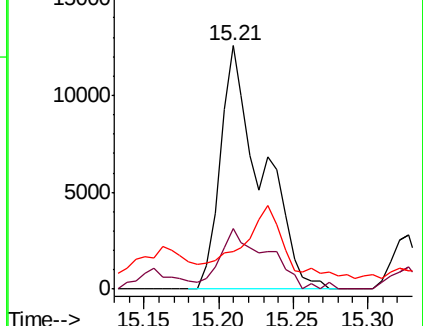
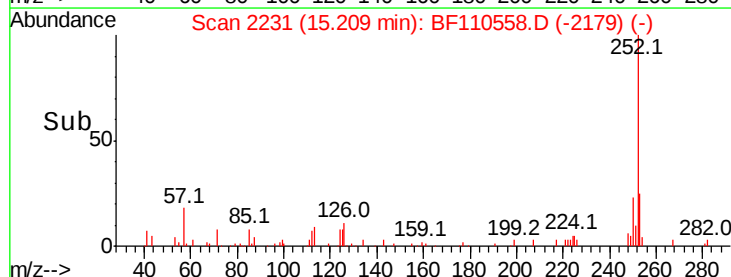
125 15.2 8.2 12.4#

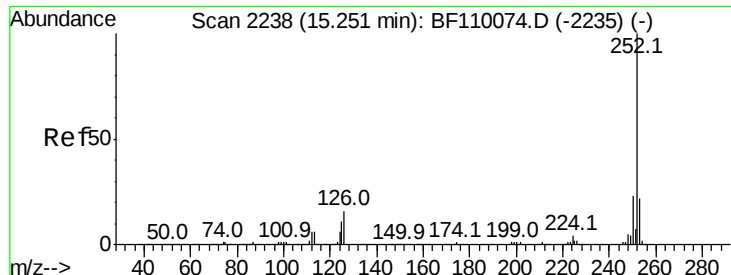


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.633 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.03 min

Lab File: BF110558.D

Acq: 7 Nov 2018 16:33

Instrument :

BNA_F

ClientSampleId :

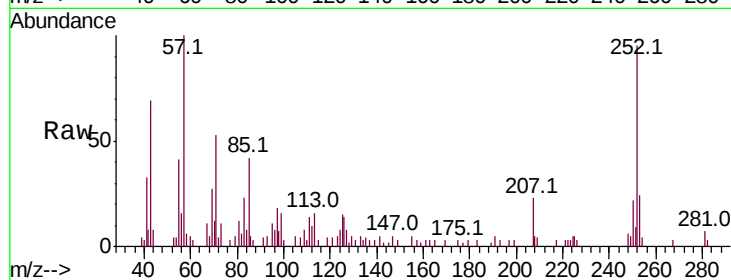
Tot Ion:252 Resp: 24283

Ion Ratio Lower Upper

252 100

253 25.1 17.2 25.8

125 15.2 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

