

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
 Data File : BF108815.D
 Acq On : 6 Sep 2018 10:18
 Operator : JU/SJ
 Sample : J4724-09
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 06 10:54:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	273858	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	995204	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	420850	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	670037	20.00	ng	0.00
75) Chrysene-d12	13.87	240	602385	20.00	ng	0.00
86) Perylene-d12	15.28	264	573920	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1074553	65.00	ng	0.01
7) Phenol-d6	6.37	99	1384100	65.08	ng	0.00
23) Nitrobenzene-d5	7.30	82	832173	52.33	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	254710	63.40	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1449756	58.77	ng	0.00
78) Terphenyl-d14	12.82	244	1122693	43.46	ng	0.00

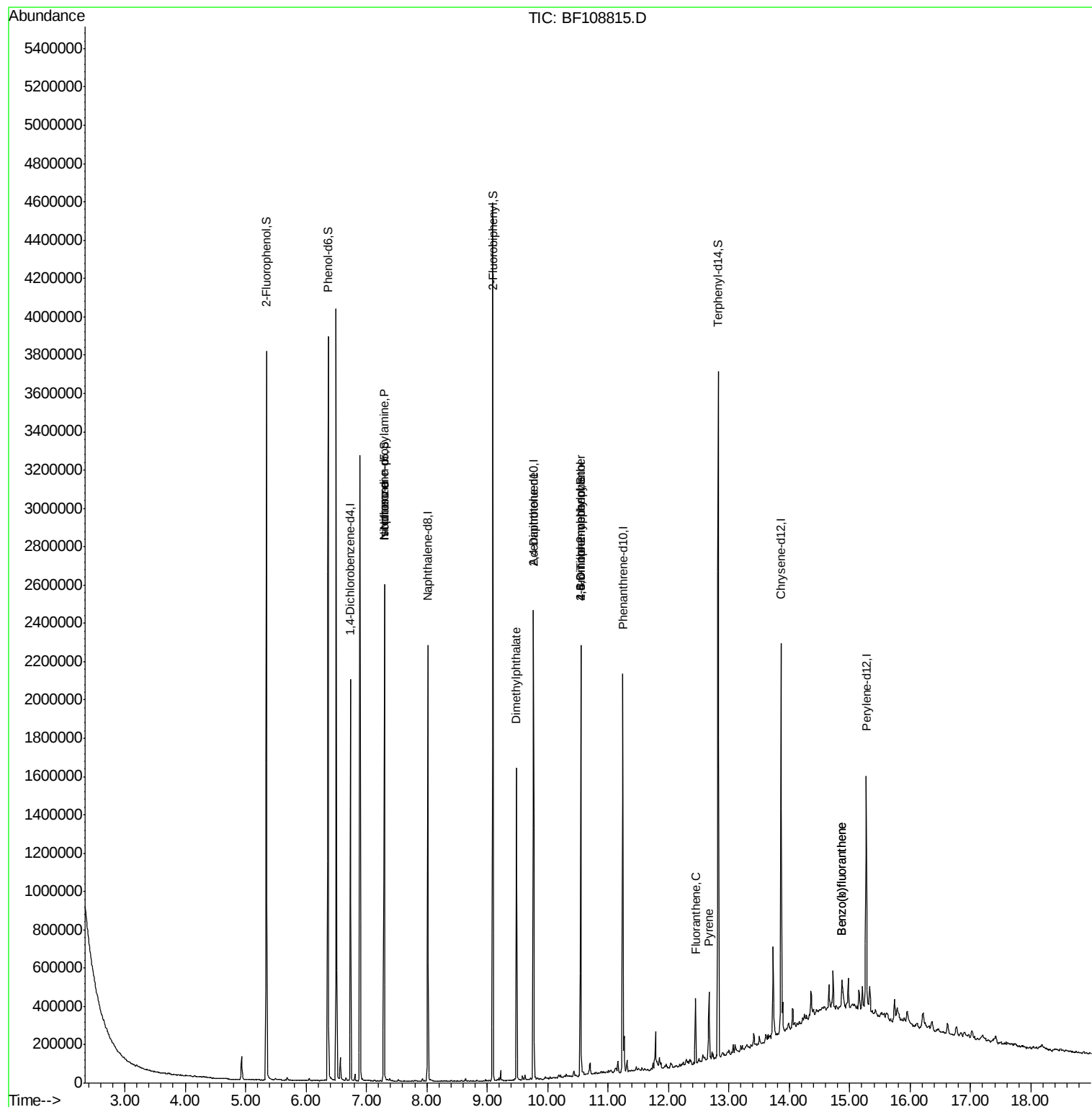
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	109883	7.432	ng	# 76
25) Isophorone	7.30	82	822951	25.944	ng	# 64
49) Dimethylphthalate	9.48	163	597021	20.282	ng	# 99
56) 2,4-Dinitrotoluene	9.77	165	55757	7.773	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	532	7.041	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	15567	2.057	ng	# 1
74) Fluoranthene	12.45	202	128391	4.053	ng	# 97
77) Pyrene	12.67	202	127356	2.748	ng	# 97
87) Benzo(b)fluoranthene	14.87	252	102722	3.292	ng	# 90
88) Benzo(k)fluoranthene	14.87	252	102722	3.574	ng	# 92

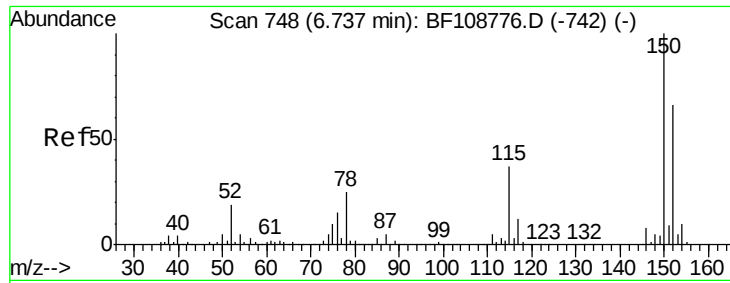
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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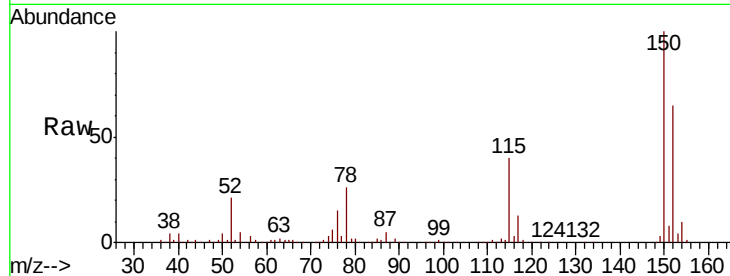


#1

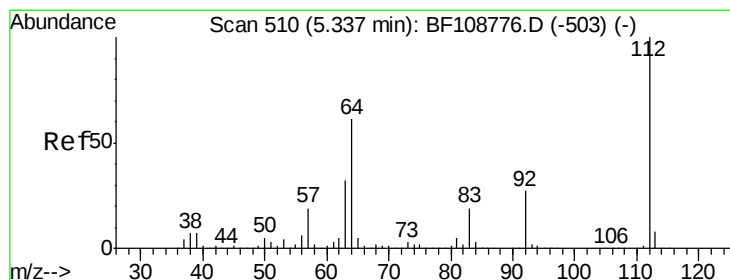
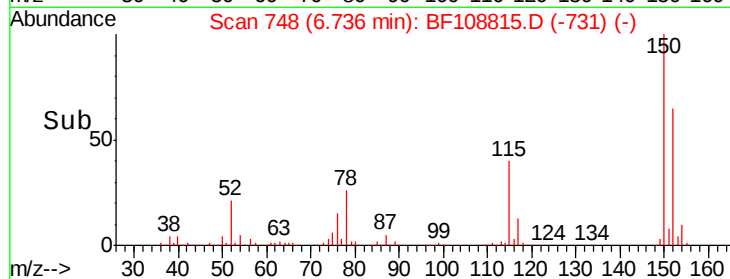
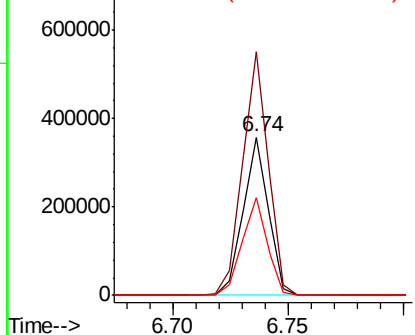
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108815.D
Acq: 6 Sep 2018 10:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 273858
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 61.6 50.1 75.1



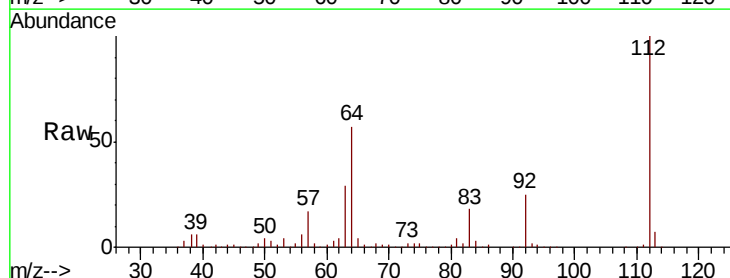
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



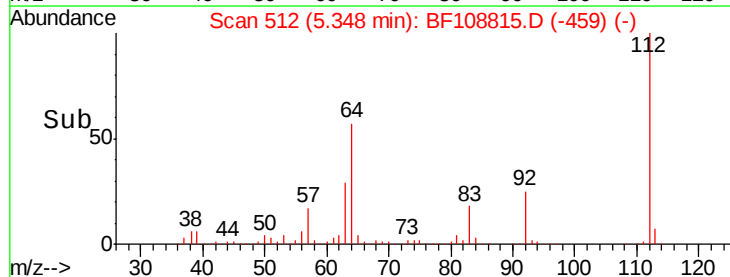
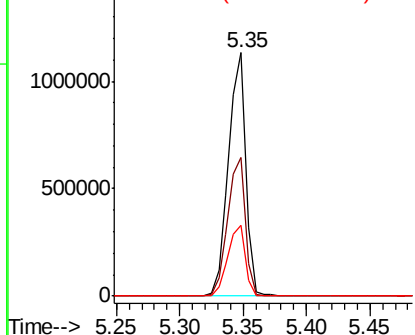
#5

2-Fluorophenol
Concen: 65.004 ng
RT: 5.35 min Scan# 512
Delta R.T. 0.01 min
Lab File: BF108815.D
Acq: 6 Sep 2018 10:18

Tgt Ion:112 Resp: 1074553
Ion Ratio Lower Upper
112 100
64 57.1 47.9 71.9
63 29.0 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: 65.075 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF108815.D

Acq: 6 Sep 2018 10:18

Instrument :

BNA_F

ClientSampleId :

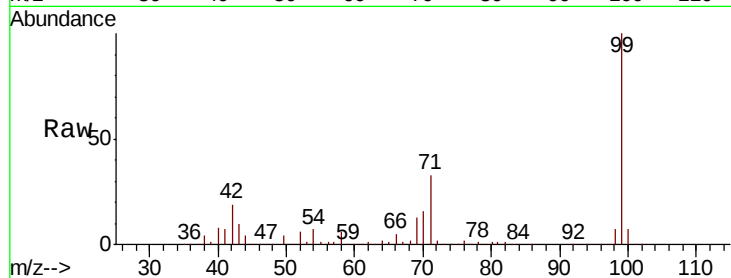
Tot Ion: 99 Resp: 1384100

Ion Ratio Lower Upper

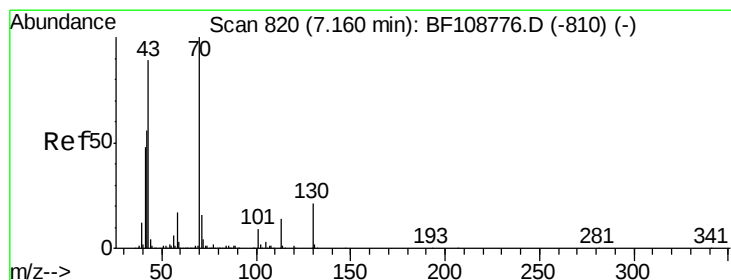
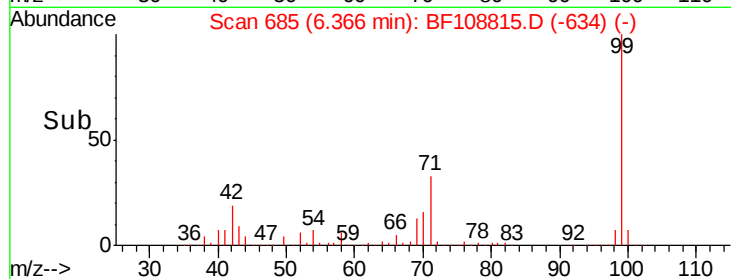
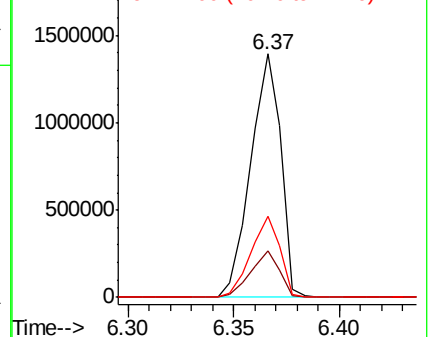
99 100

42 18.9 14.5 21.7

71 33.1 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 7.432 ng

RT: 7.30 min Scan# 843

Delta R.T. 0.14 min

Lab File: BF108815.D

Acq: 6 Sep 2018 10:18

Tgt Ion: 70 Resp: 109883

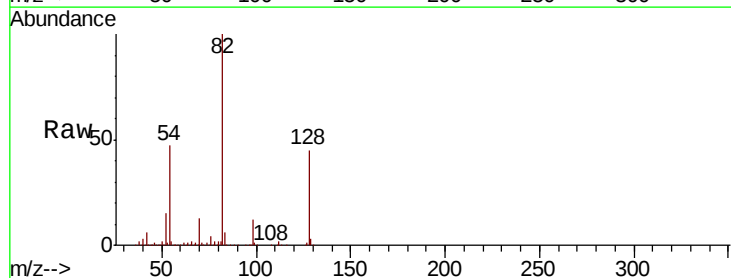
Ion Ratio Lower Upper

70 100

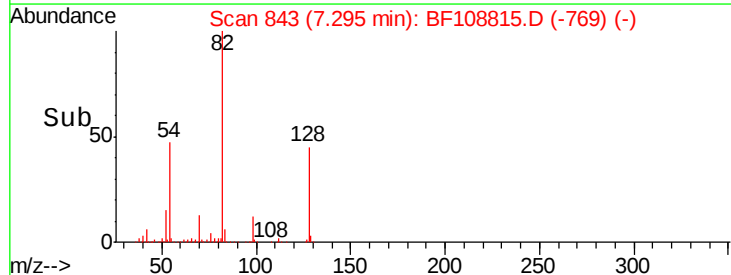
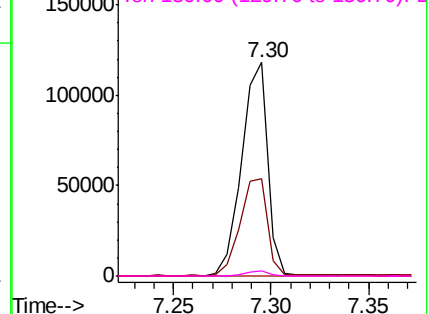
42 45.7 47.5 71.3#

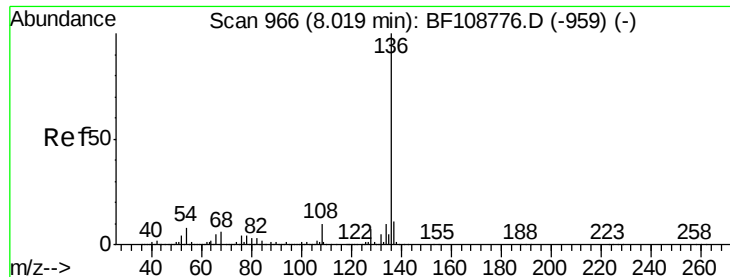
101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

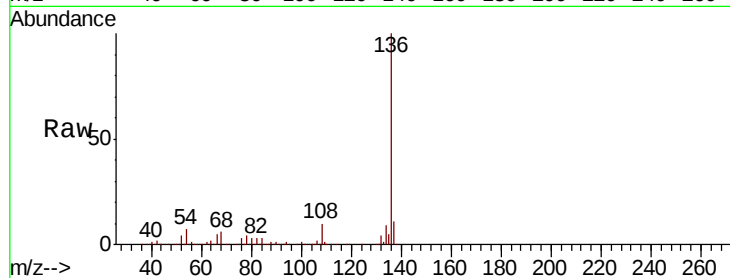




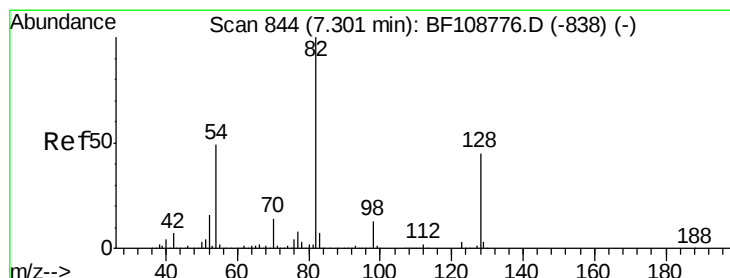
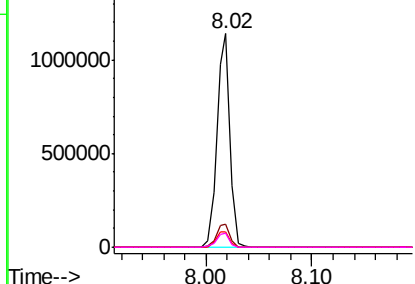
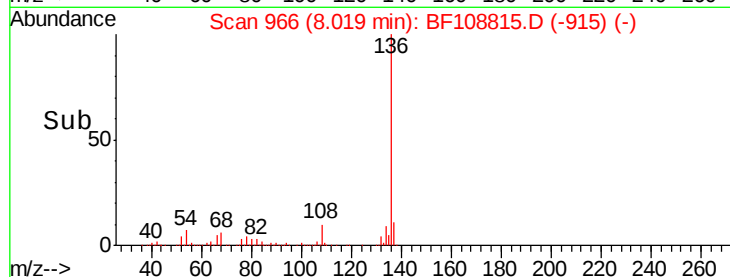
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF108815.D
Acq: 6 Sep 2018 10:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	995204
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.9 13.3
54	7.4	6.6 9.8
68	6.4	5.0 7.4

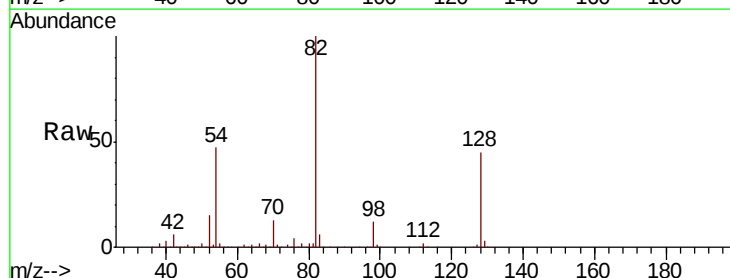


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

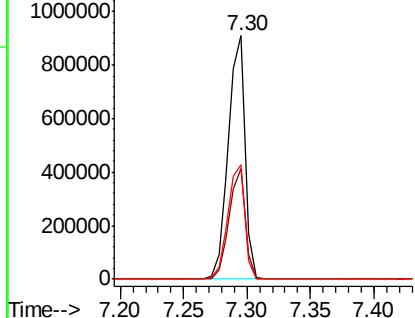
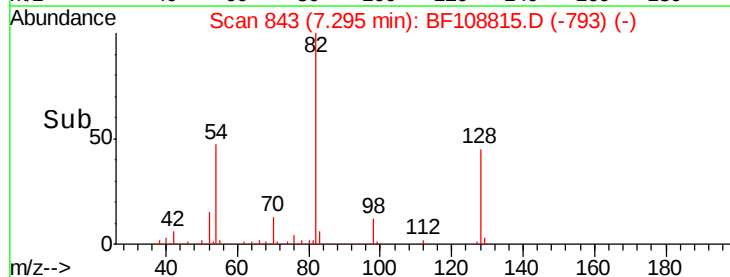


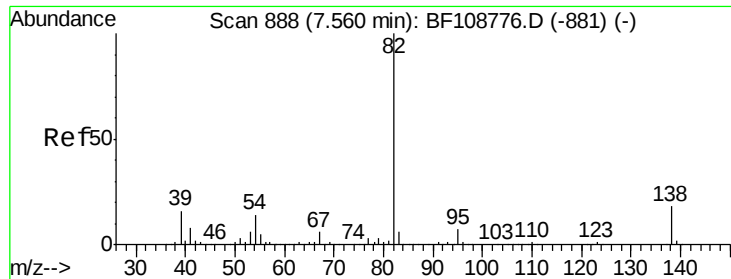
#23
Nitrobenzene-d5
Concen: 52.329 ng
RT: 7.30 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF108815.D
Acq: 6 Sep 2018 10:18

Tgt Ion: 82	Resp:	832173
Ion	Ratio	Lower Upper
82	100	
128	45.5	36.1 54.1
54	47.0	41.4 62.2



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





#25

Isophorone

Concen: 25.944 ng

RT: 7.30 min Scan# 843

Delta R.T. -0.26 min

Lab File: BF108815.D

Acq: 6 Sep 2018 10:18

Instrument :

BNA_F

ClientSampleId :

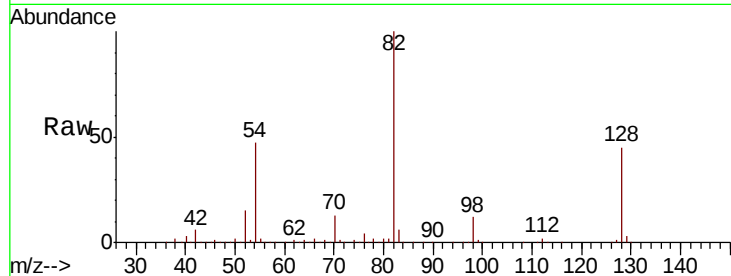
Tot Ion: 82 Resp: 822951

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

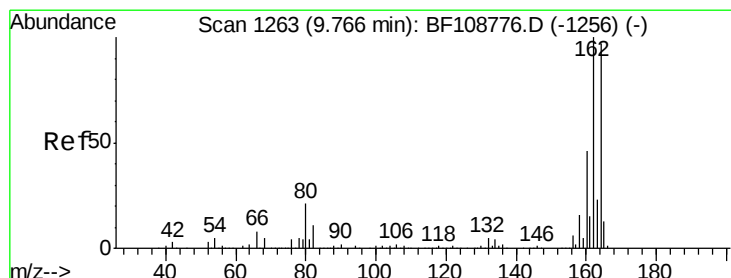
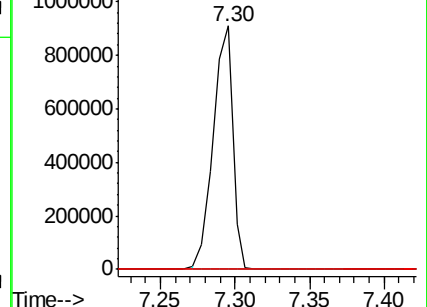
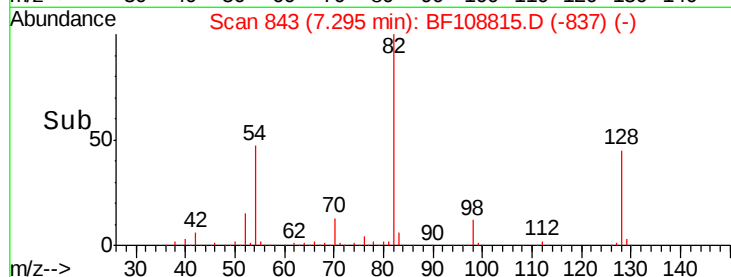
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BF108815.D

Acq: 6 Sep 2018 10:18

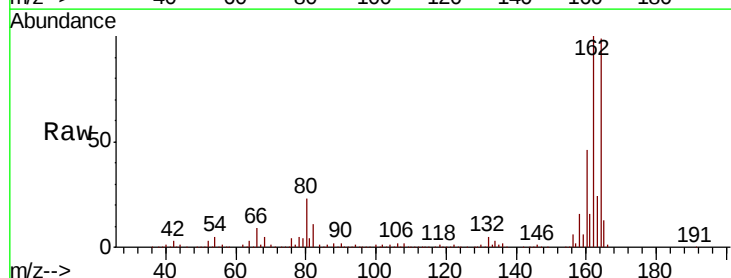
Tgt Ion:164 Resp: 420850

Ion Ratio Lower Upper

164 100

162 101.4 86.1 129.1

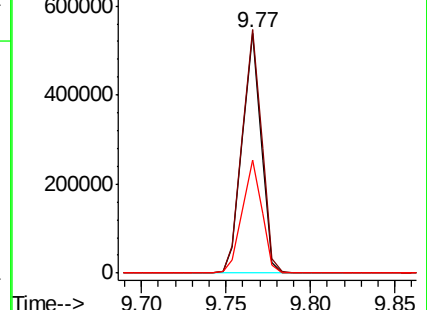
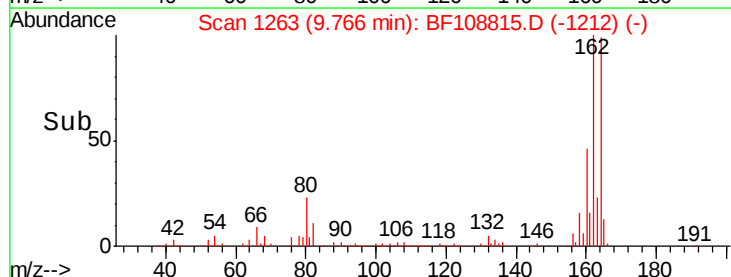
160 47.1 38.3 57.5



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

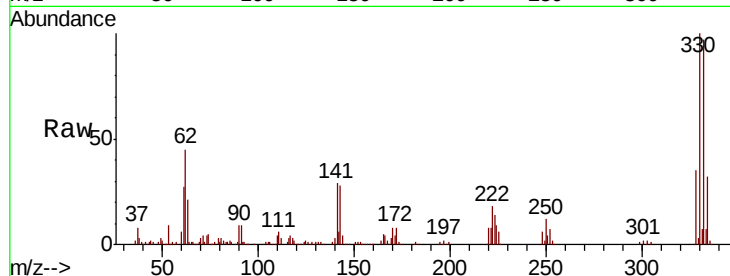




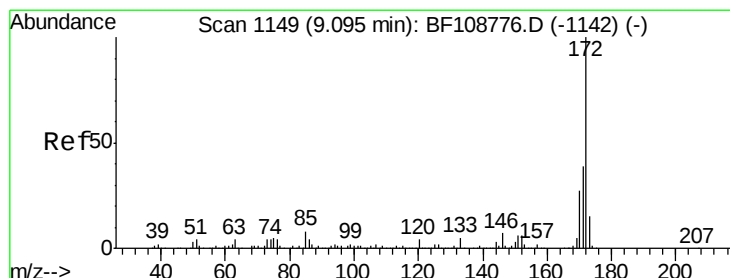
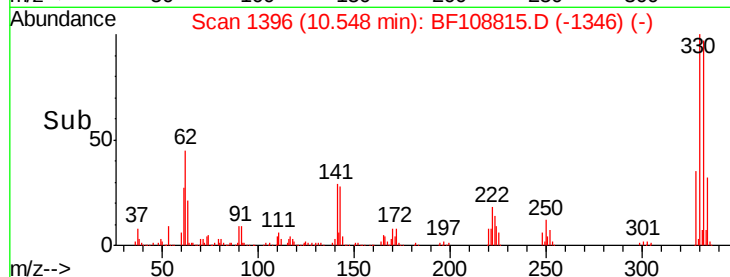
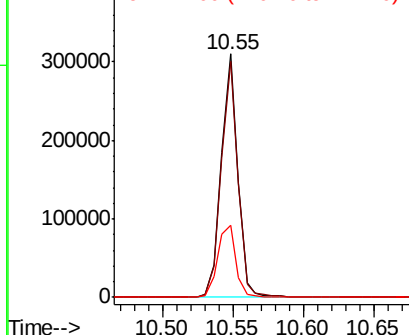
#41
 2,4,6-Tribromophenol
 Concen: 63.398 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108815.D
 Acq: 6 Sep 2018 10:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 254710
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.6
 141 33.2 29.9 44.9

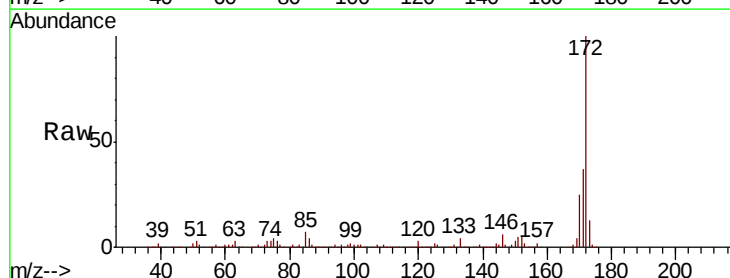


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

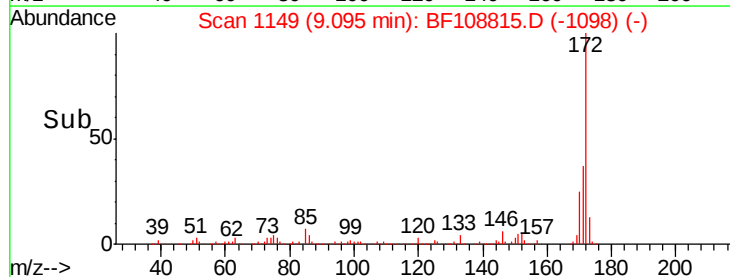
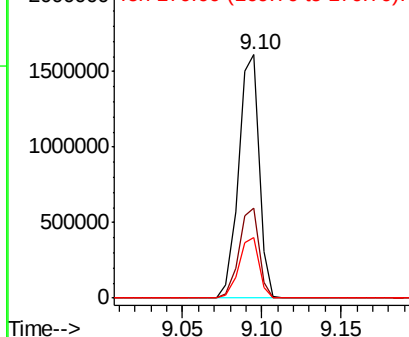


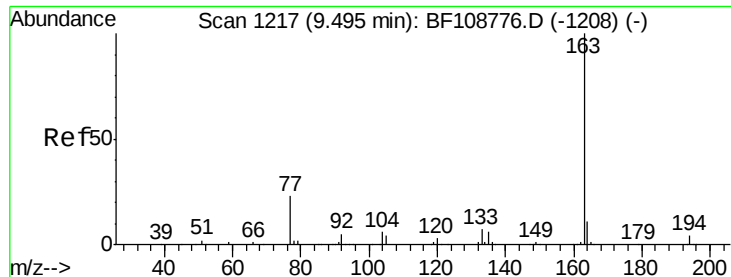
#44
 2-Fluorobiphenyl
 Concen: 58.768 ng
 RT: 9.10 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: BF108815.D
 Acq: 6 Sep 2018 10:18

Tgt Ion:172 Resp: 1449756
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.7 44.5
 170 24.8 19.6 29.4



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

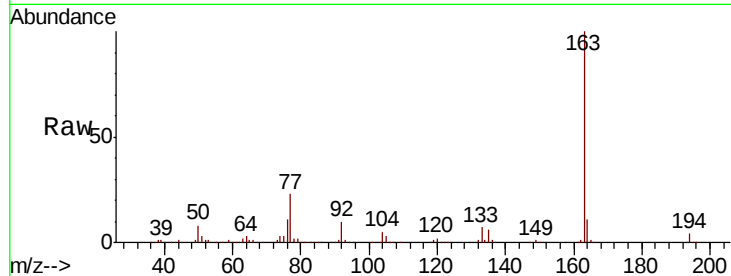




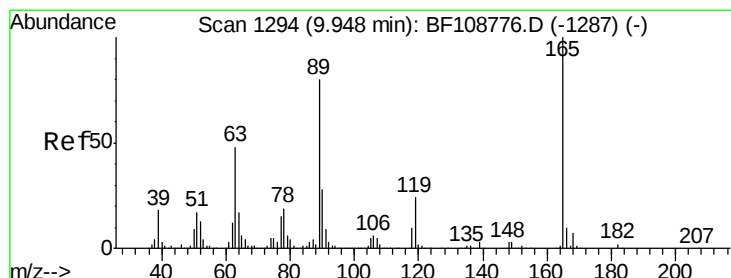
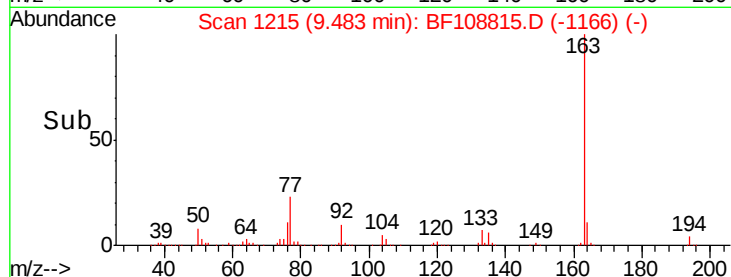
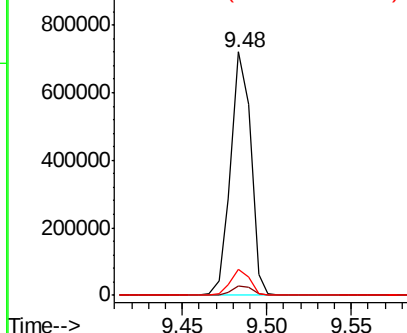
#49
Dimethylphthalate
Concen: 20.282 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108815.D
Acq: 6 Sep 2018 10:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 597021
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.7 8.2 12.2

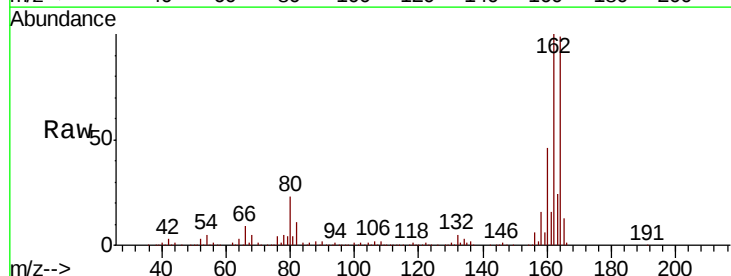


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

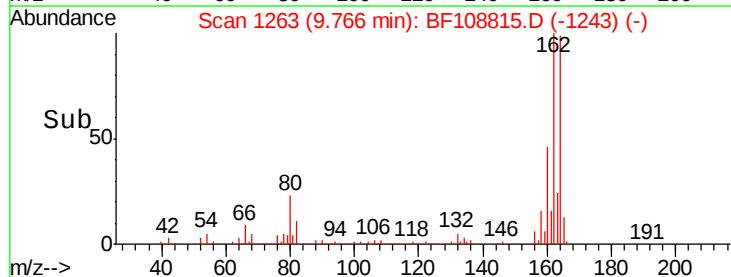
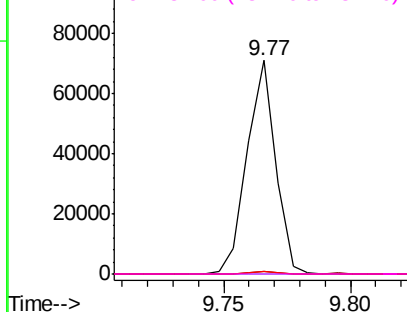


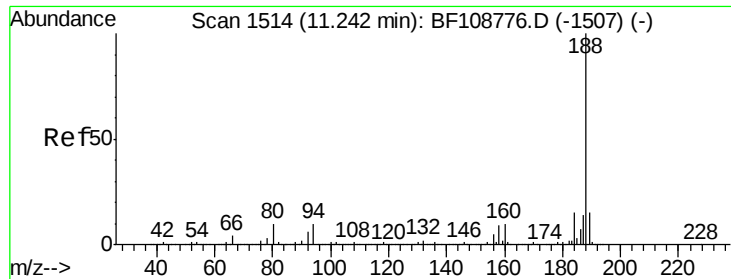
#56
2,4-Dinitrotoluene
Concen: 7.773 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.18 min
Lab File: BF108815.D
Acq: 6 Sep 2018 10:18

Tgt Ion:165 Resp: 55757
Ion Ratio Lower Upper
165 100
63 1.0 36.4 54.6#
89 1.2 57.8 86.6#
182 0.0 1.6 2.4#



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1514

Delta R.T. -0.00 min

Lab File: BF108815.D

Acq: 6 Sep 2018 10:18

Instrument :

BNA_F

ClientSampleId :

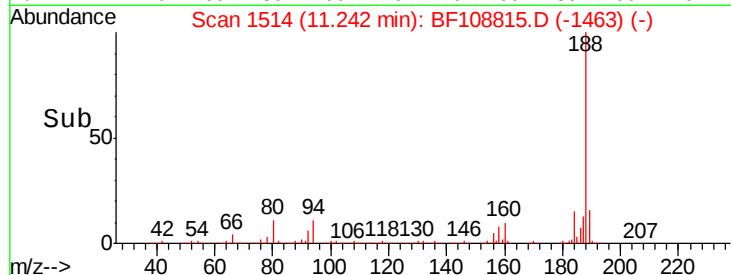
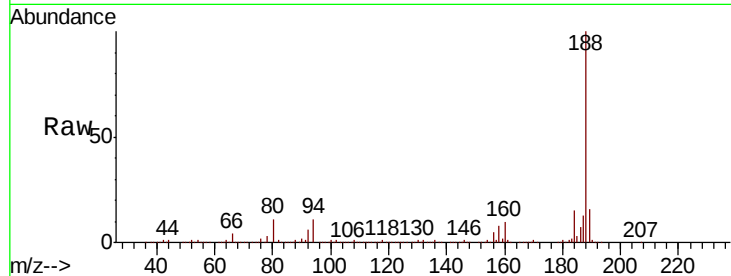
Tot Ion:188 Resp: 670037

Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

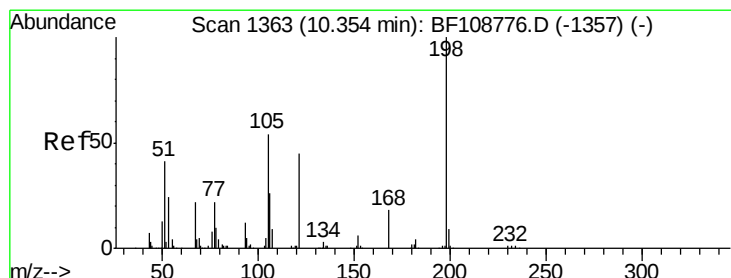
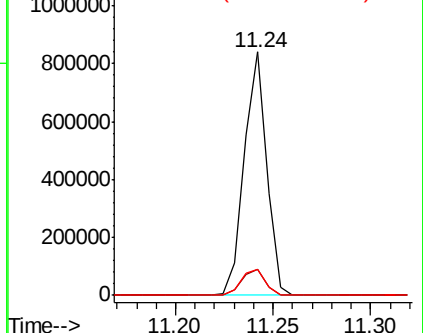
80 10.9 9.2 13.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 7.041 ng

RT: 10.55 min Scan# 1396

Delta R.T. 0.19 min

Lab File: BF108815.D

Acq: 6 Sep 2018 10:18

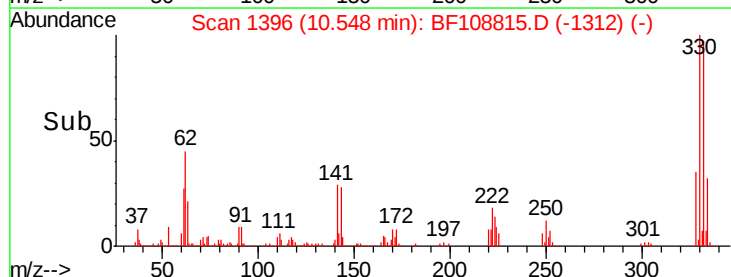
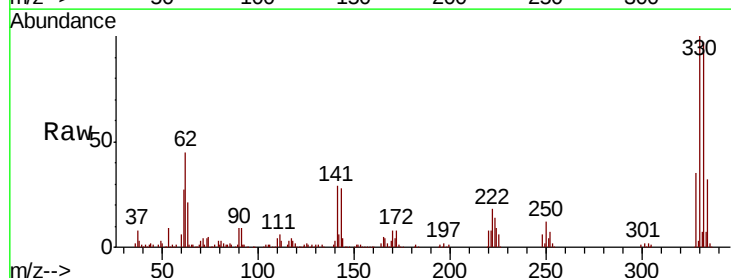
Tgt Ion:198 Resp: 532

Ion Ratio Lower Upper

198 100

51 275.0 37.7 77.7#

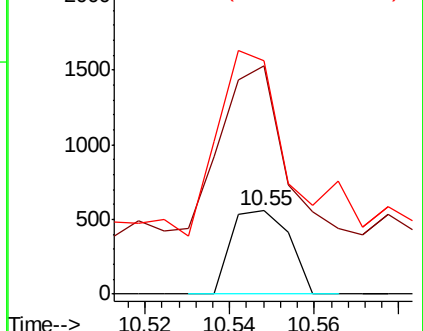
105 280.4 36.3 76.3#

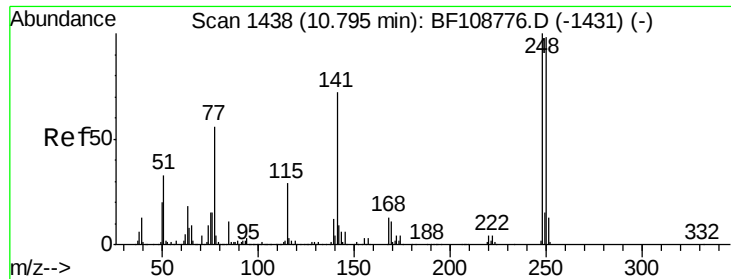


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

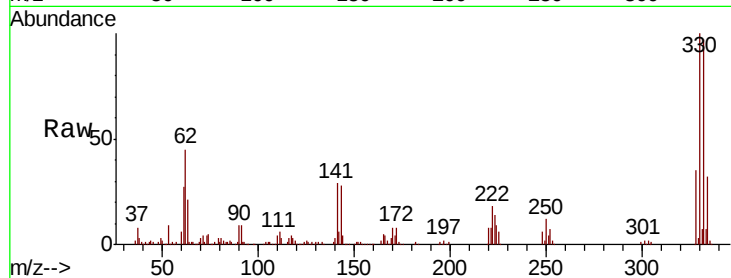




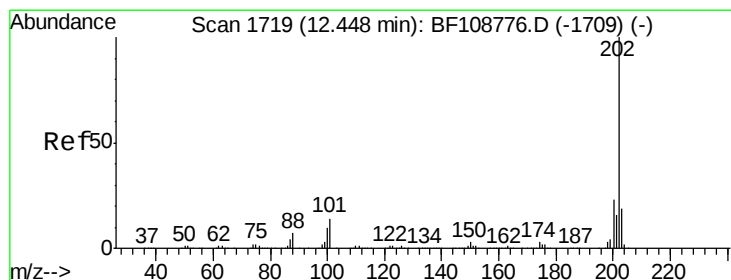
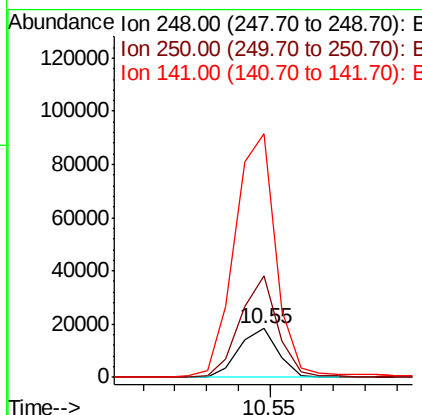
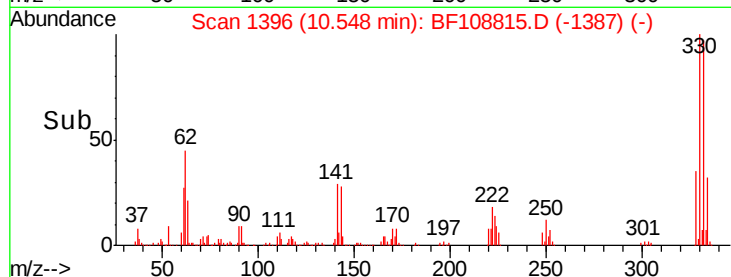
#66
4-Bromophenyl-phenylether
Concen: 2.057 ng
RT: 10.55 min Scan# 1396
Delta R.T. -0.25 min
Lab File: BF108815.D
Acq: 6 Sep 2018 10:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 15567
Ion Ratio Lower Upper
248 100
250 206.3 76.9 115.3#
141 497.8 74.4 111.6#

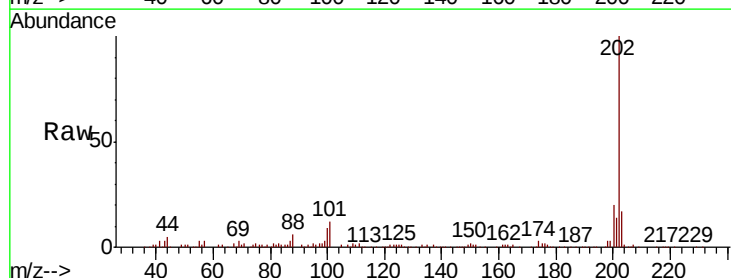


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

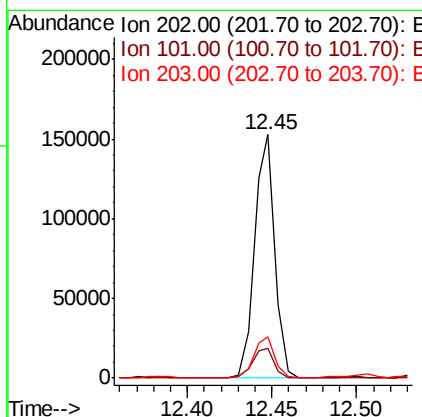
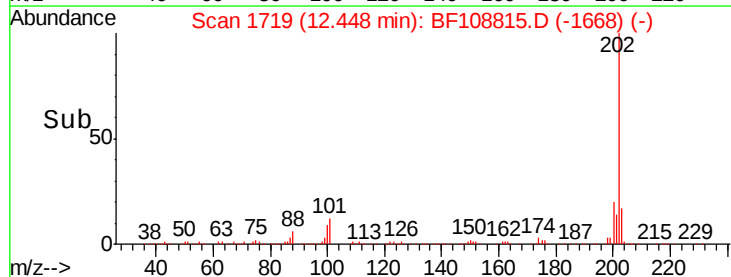


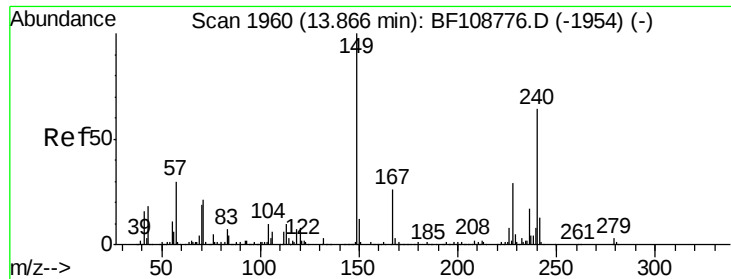
#74
Fluoranthene
Concen: 4.053 ng
RT: 12.45 min Scan# 1719
Delta R.T. -0.00 min
Lab File: BF108815.D
Acq: 6 Sep 2018 10:18

Tgt Ion:202 Resp: 128391
Ion Ratio Lower Upper
202 100
101 12.4 0.0 34.1
203 17.0 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BF108815.D

Acq: 6 Sep 2018 10:18

Instrument :

BNA_F

ClientSampleId :

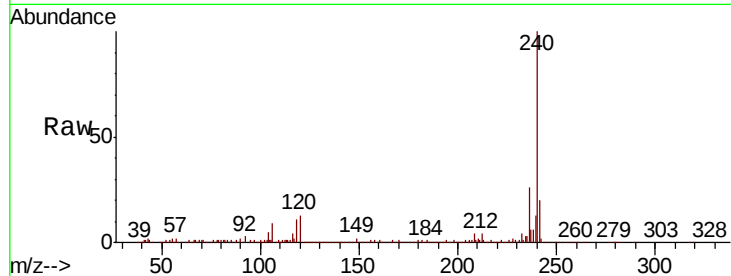
Tot Ion:240 Resp: 602385

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

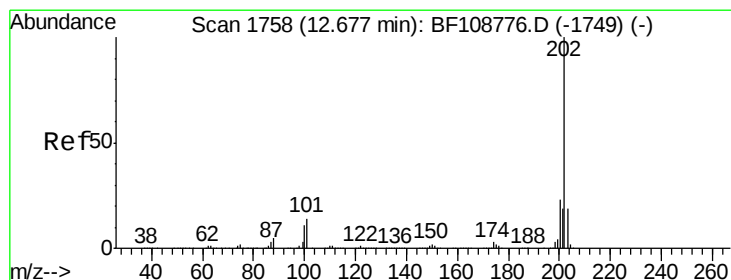
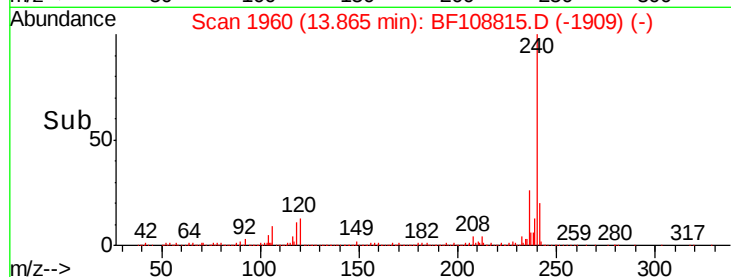
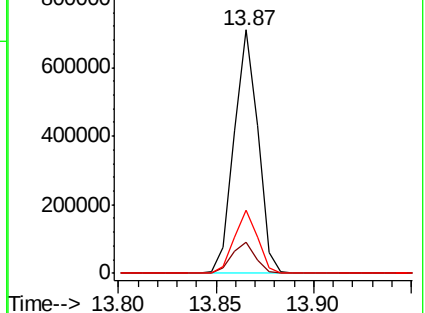
236 25.9 20.7 31.1



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



#77

Pyrene

Concen: 2.748 ng

RT: 12.67 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF108815.D

Acq: 6 Sep 2018 10:18

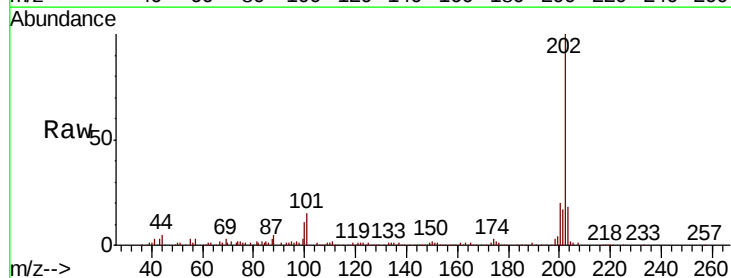
Tgt Ion:202 Resp: 127356

Ion Ratio Lower Upper

202 100

200 19.8 17.4 26.2

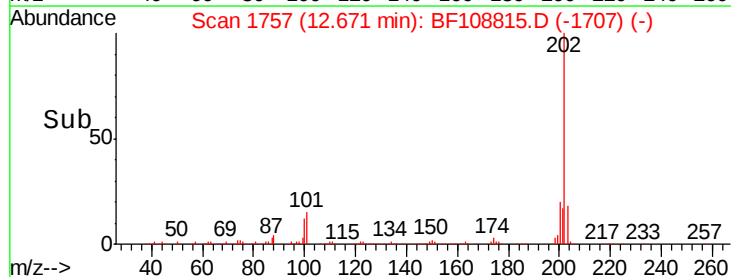
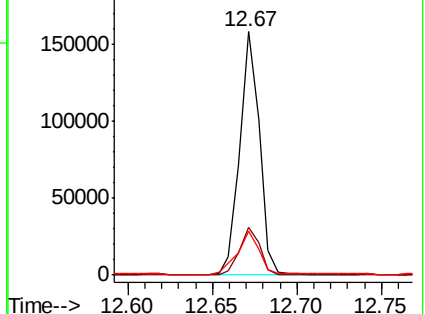
203 18.2 14.3 21.5

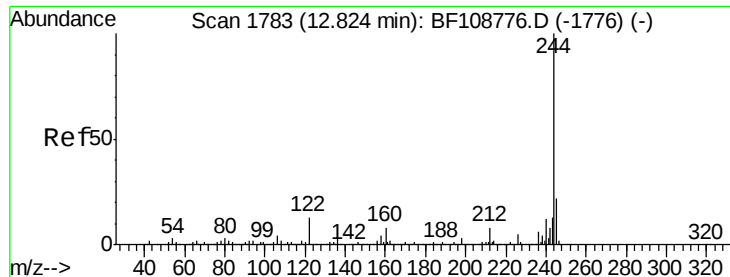


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 43.461 ng

RT: 12.82 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF108815.D

Acq: 6 Sep 2018 10:18

Instrument :

BNA_F

ClientSampleId :

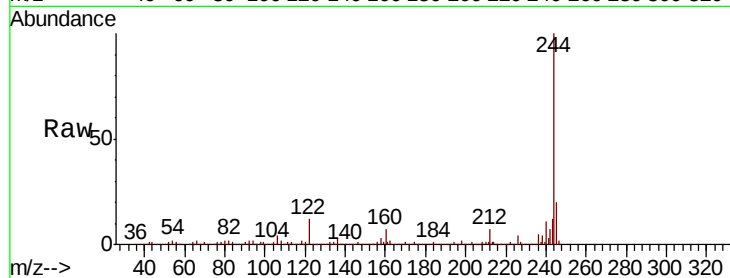
Tot Ion:244 Resp: 1122693

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

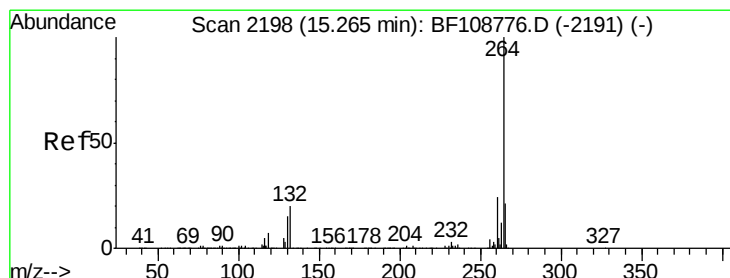
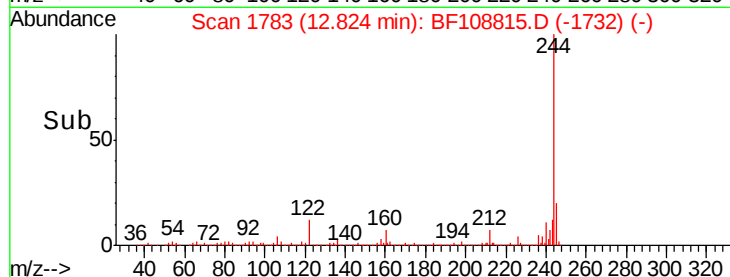
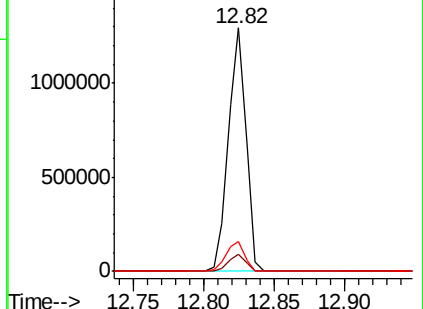
122 12.4 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BF108815.D

Acq: 6 Sep 2018 10:18

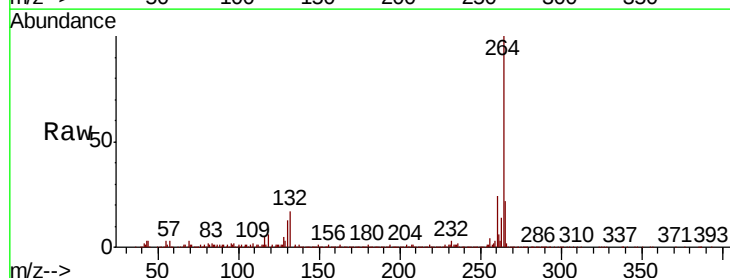
Tgt Ion:264 Resp: 573920

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

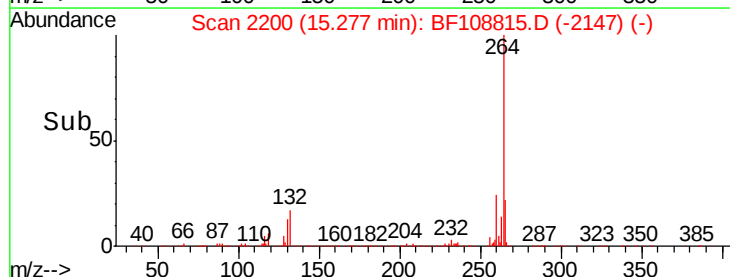
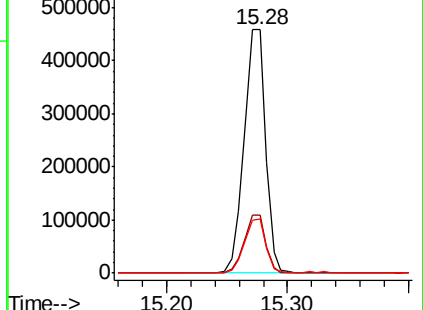
265 22.1 17.5 26.3

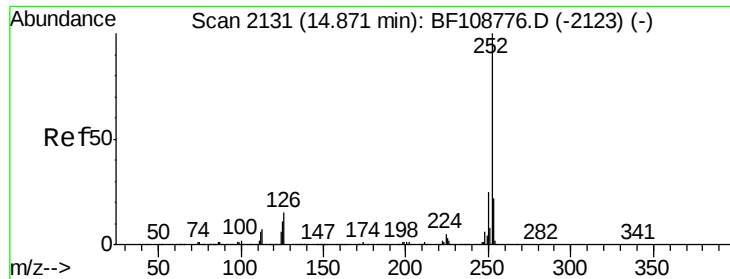


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

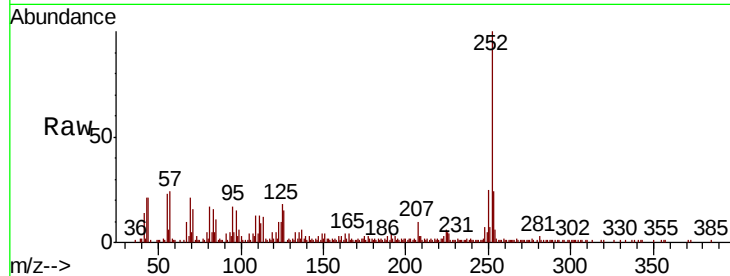




#87
Benzo(b)fluoranthene
Concen: 3.292 ng
RT: 14.87 min Scan# 2131
Delta R.T. -0.00 min
Lab File: BF108815.D
Acq: 6 Sep 2018 10:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.6
125	18.1	9.0	13.6

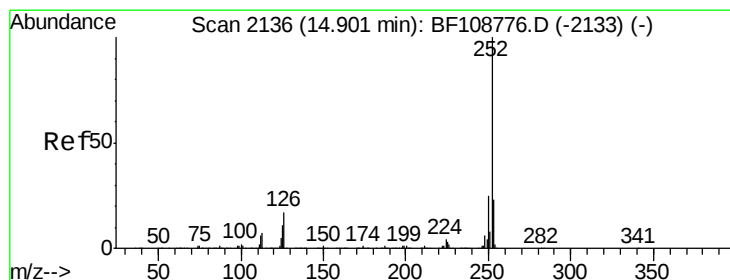
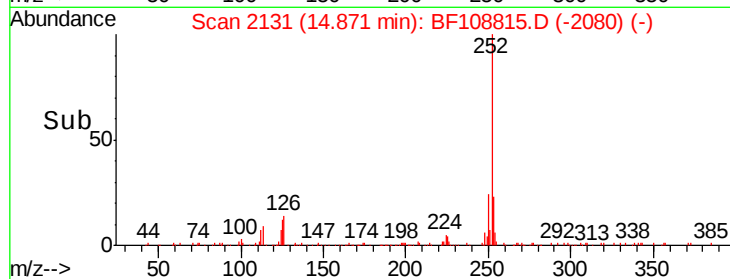
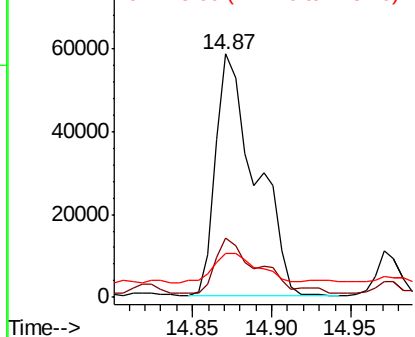


Abundance

Ion 252.00 (251.70 to 252.70): E

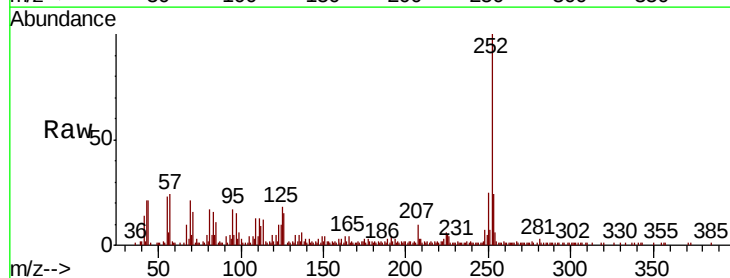
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 3.574 ng
RT: 14.87 min Scan# 2131
Delta R.T. -0.03 min
Lab File: BF108815.D
Acq: 6 Sep 2018 10:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	18.1	10.2	15.2



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

