

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
 Data File : BF098724.D
 Acq On : 23 Sep 2017 4:21
 Operator : SJ/JU
 Sample : I5340-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 23 04:53:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 10:38:37 2017
 Response via : Initial Calibration

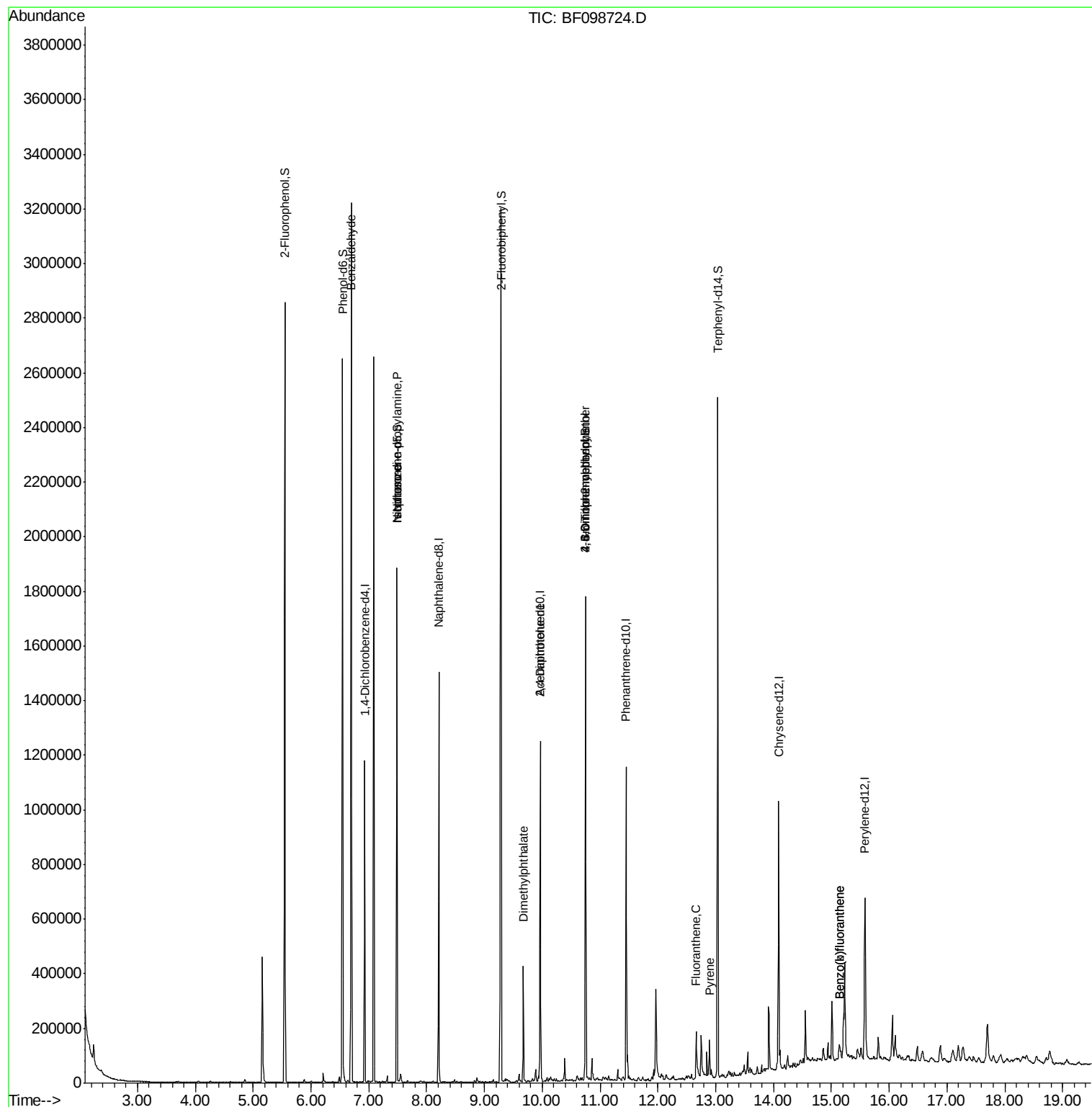
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	151125	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	597612	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	245026	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	353026	20.00	ng	0.00
75) Chrysene-d12	14.09	240	308245	20.00	ng	0.00
86) Perylene-d12	15.58	264	265169	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	881812	88.61	ng	0.00
7) Phenol-d6	6.55	99	1054311	87.48	ng	0.00
23) Nitrobenzene-d5	7.49	82	621010	70.49	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	186708	83.32	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	1029541	66.86	ng	0.00
78) Terphenyl-d14	13.03	244	708182	49.33	ng	0.00
Target Compounds						
9) Benzaldehyde	6.70	77	18941	2.80	ng	Qvalue 83
19) n-Nitroso-di-n-propylamine	7.49	70	82344	11.03	ng	# 78
25) Isophorone	7.49	82	620208	32.28	ng	# 64
49) Dimethylphthalate	9.67	163	159853	8.70	ng	99
56) 2,4-Dinitrotoluene	9.96	165	30992	6.36	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.75	198	378	9.12	ng	# 1
66) 4-Bromophenyl-phenylether	10.75	248	11584	3.25	ng	# 1
74) Fluoranthene	12.66	202	49467	2.59	ng	97
77) Pyrene	12.89	202	48205	2.11	ng	98
87) Benzo(b)fluoranthene	15.14	252	40821	2.65	ng	# 95
88) Benzo(k)fluoranthene	15.14	252	40821	2.66	ng	98

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

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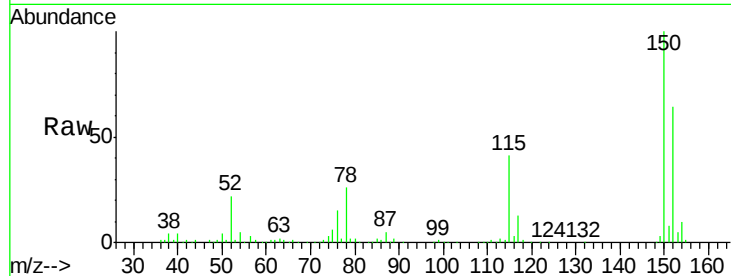


#1

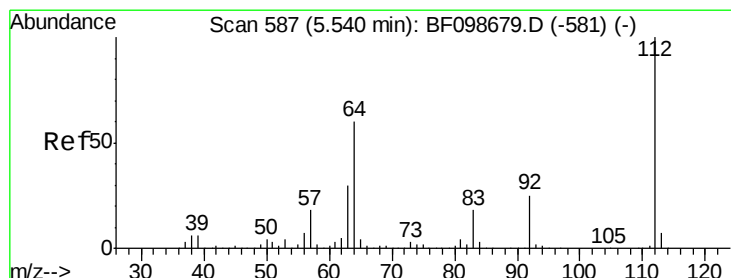
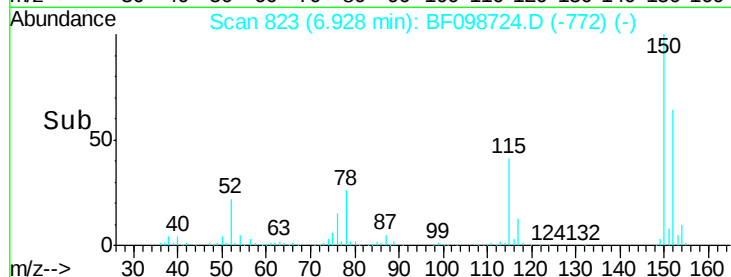
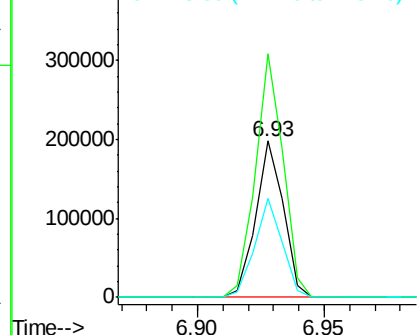
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.00 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 151125
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 63.2 50.1 75.1



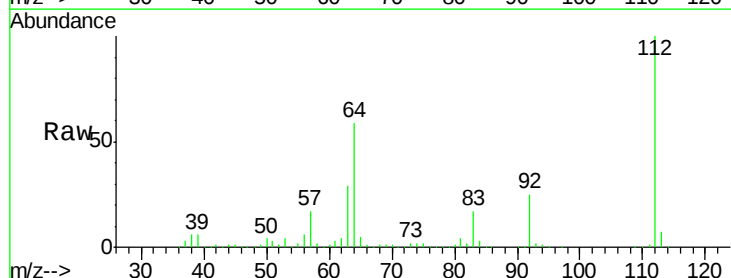
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



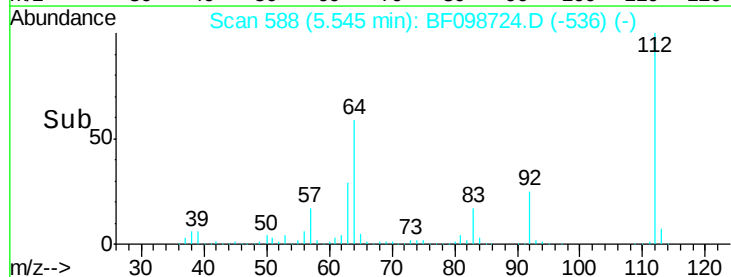
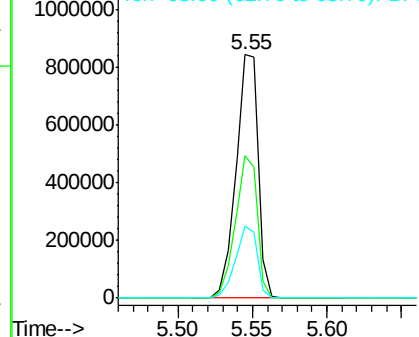
#5

2-Fluorophenol
Concen: 88.61 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Tgt Ion:112 Resp: 881812
Ion Ratio Lower Upper
112 100
64 58.7 47.9 71.9
63 29.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 87.48 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF098724.D

Acq: 23 Sep 2017 4:21

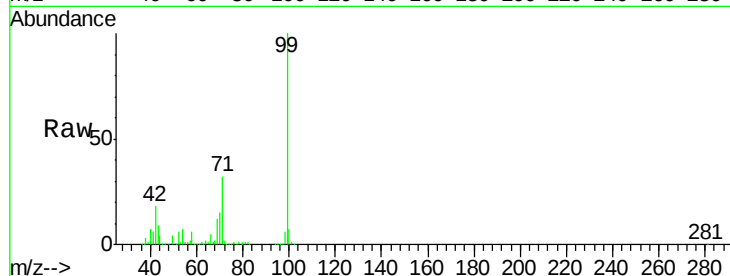
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1054311

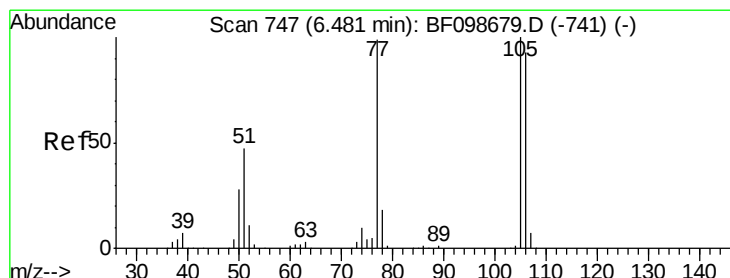
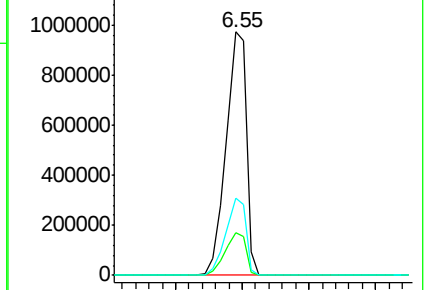
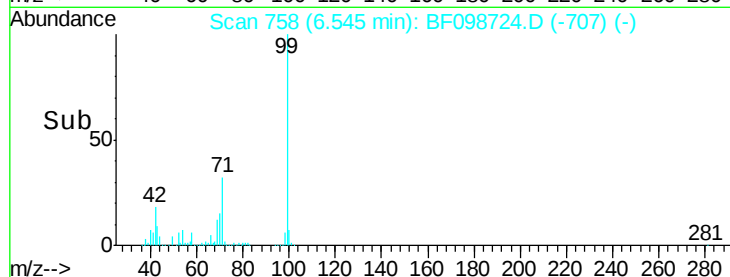
Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.5	21.7
71	31.9	25.4	38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.80 ng

RT: 6.70 min Scan# 784

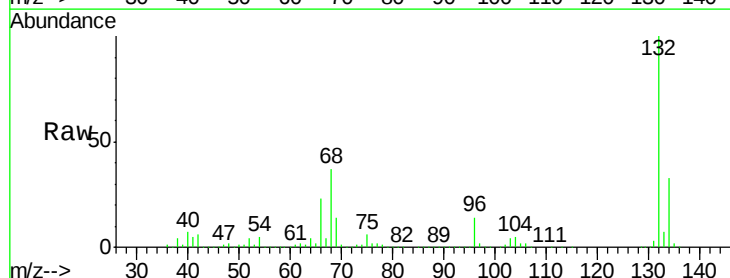
Delta R.T. 0.22 min

Lab File: BF098724.D

Acq: 23 Sep 2017 4:21

Tgt Ion: 77 Resp: 18941

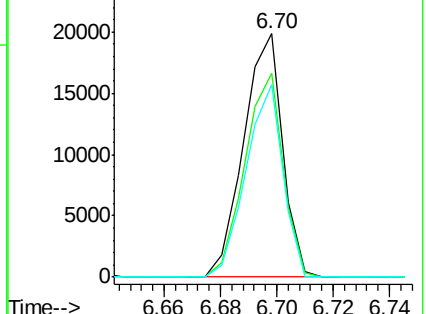
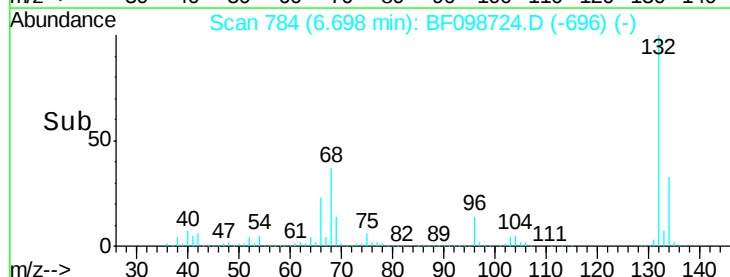
Ion	Ratio	Lower	Upper
77	100		
105	83.6	81.1	121.1
106	78.9	74.5	114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

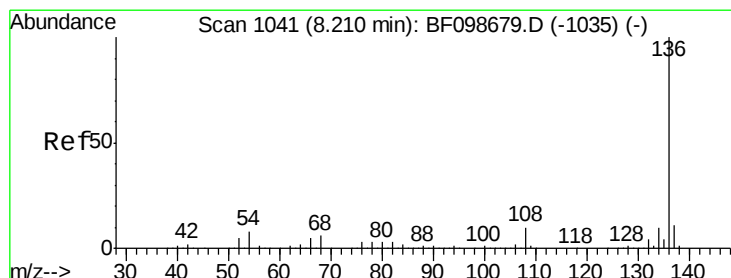
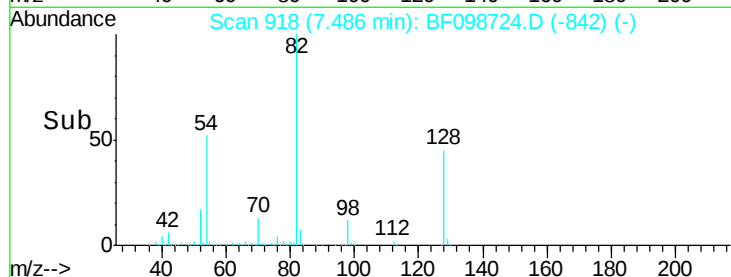
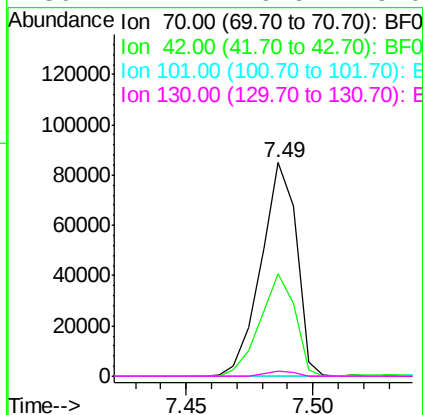
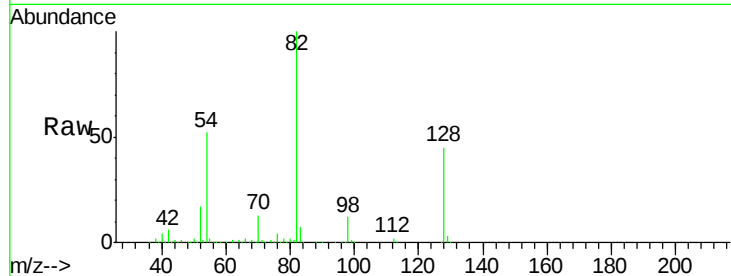




#19
n-Nitroso-di-n-propylamine
Concen: 11.03 ng
RT: 7.49 min Scan# 918
Delta R.T. 0.15 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

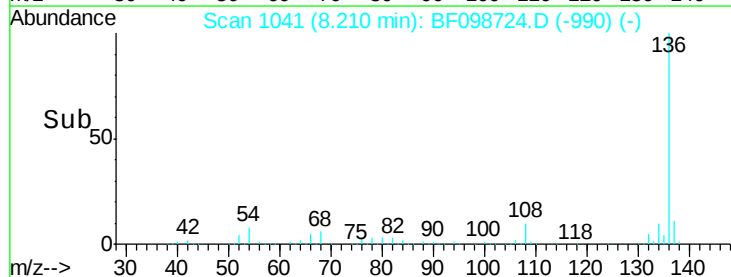
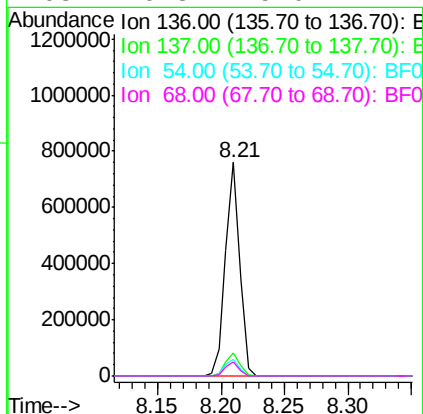
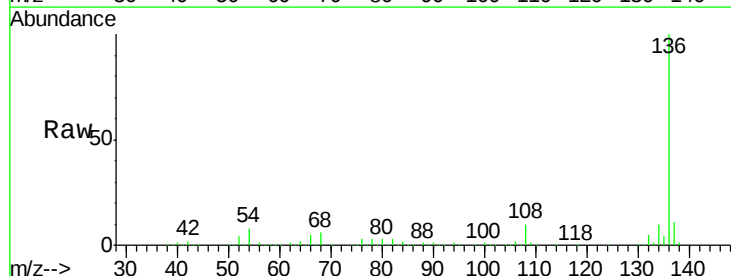
Instrument :
BNA_F
ClientSampleId :

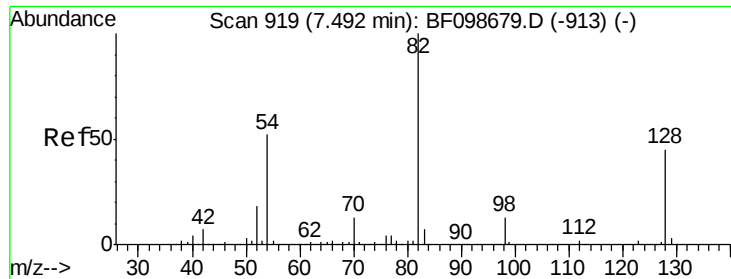
Tot Ion: 70 Resp: 82344
Ion Ratio Lower Upper
70 100
42 48.2 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Tgt Ion: 136 Resp: 597612
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.9 6.6 9.8
68 6.3 5.0 7.4

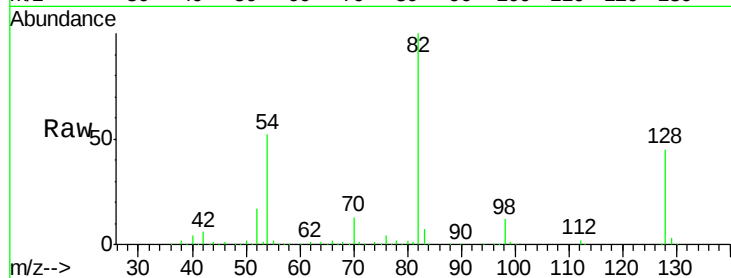




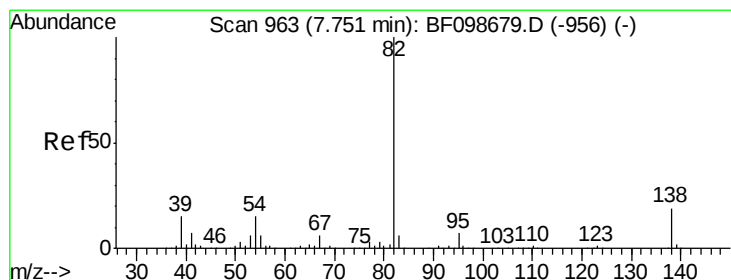
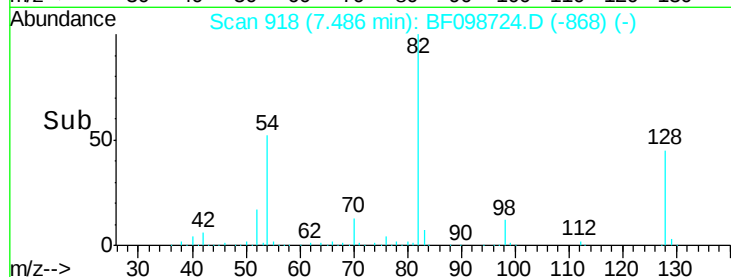
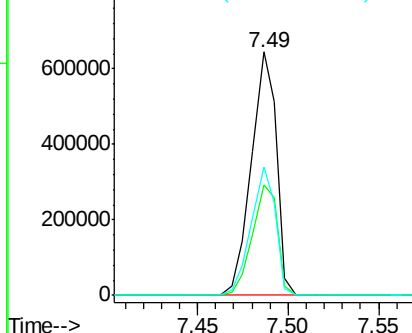
#23
Nitrobenzene-d5
Concen: 70.49 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.01 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	621010
Ion Ratio	100	Lower	Upper
128	45.2	36.1	54.1
54	52.5	41.4	62.2

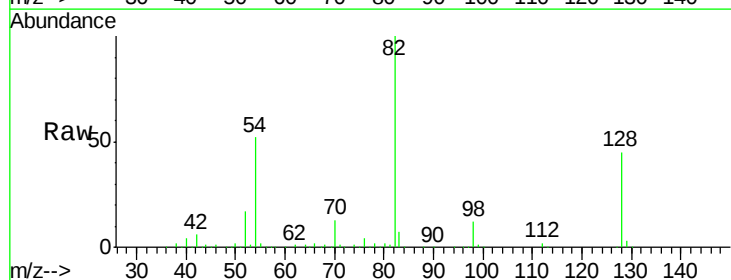


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

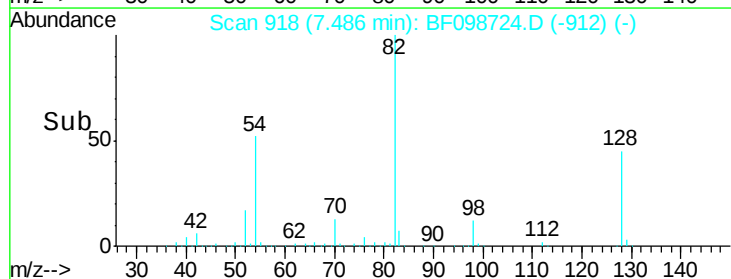
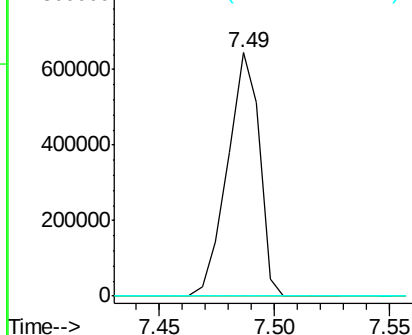


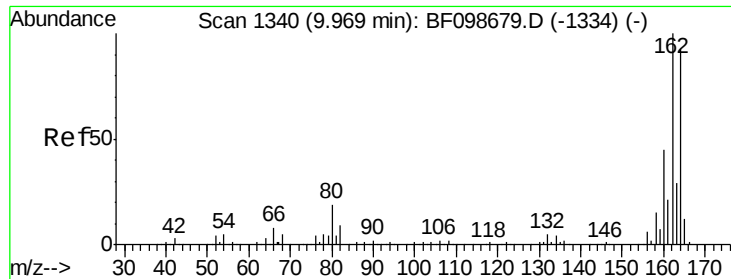
#25
Isophorone
Concen: 32.28 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.26 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Tgt Ion	82	Resp	620208
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

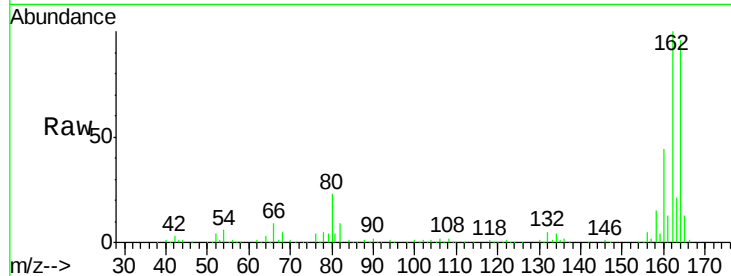




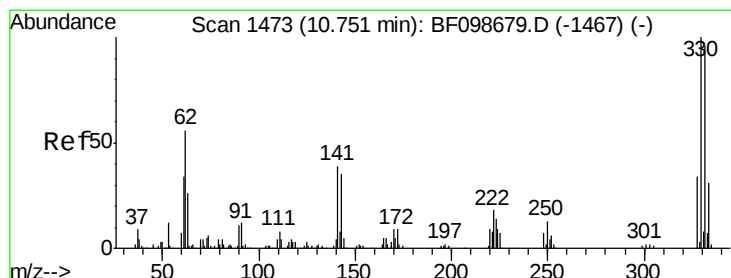
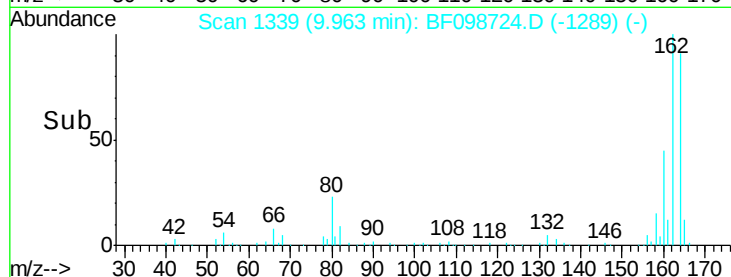
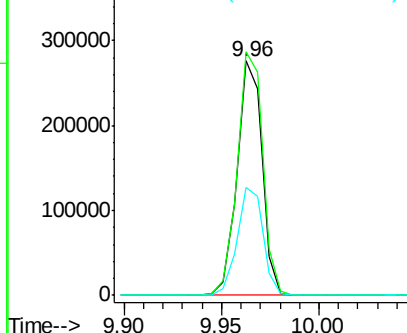
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: BF098724.D
 Acq: 23 Sep 2017 4:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 245026
 Ion Ratio Lower Upper
 164 100
 162 104.0 86.1 129.1
 160 46.1 38.3 57.5

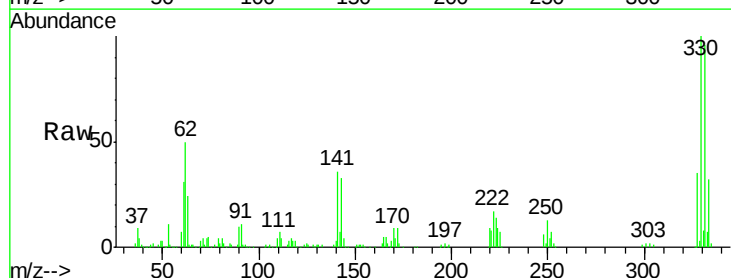


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

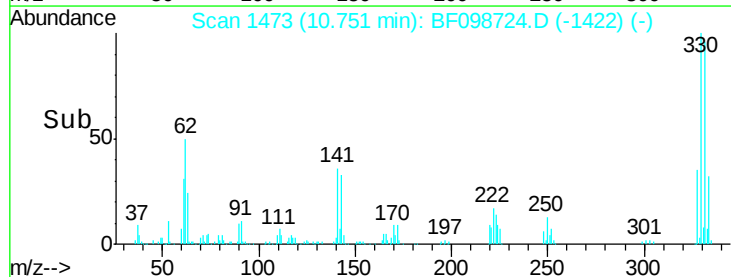
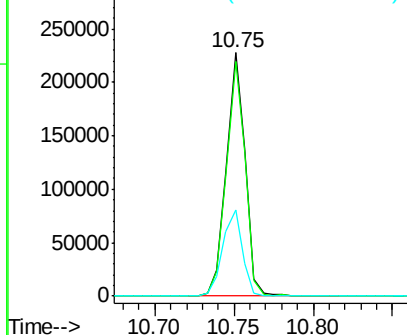


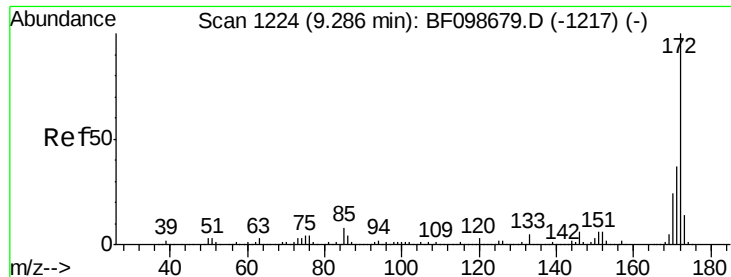
#41
 2,4,6-Tribromophenol
 Concen: 83.32 ng
 RT: 10.75 min Scan# 1473
 Delta R.T. -0.00 min
 Lab File: BF098724.D
 Acq: 23 Sep 2017 4:21

Tgt Ion:330 Resp: 186708
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 37.3 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

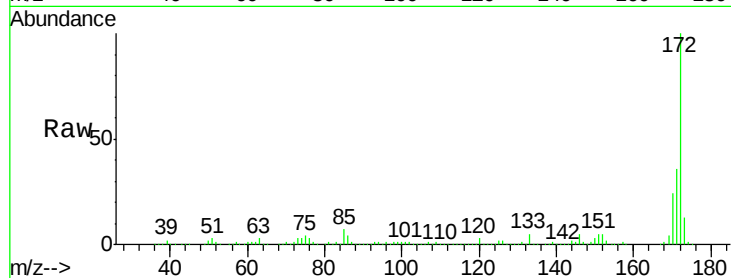




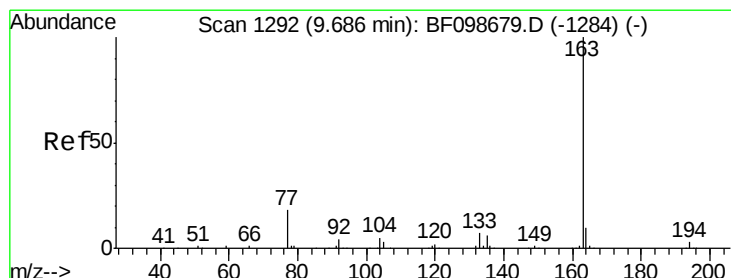
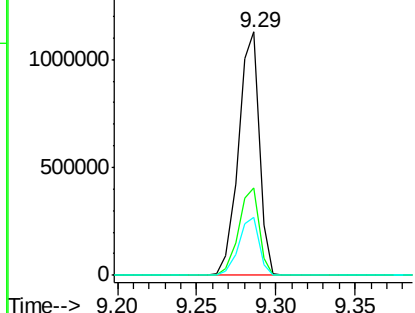
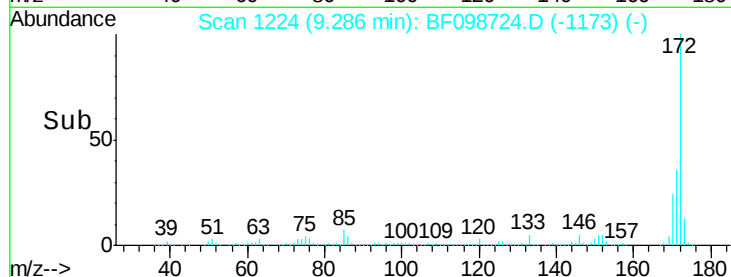
#44
2-Fluorobiphenyl
Concen: 66.86 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.00 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1029541
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 23.7 19.6 29.4

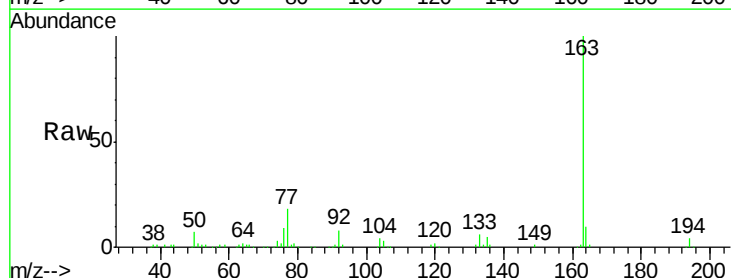


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

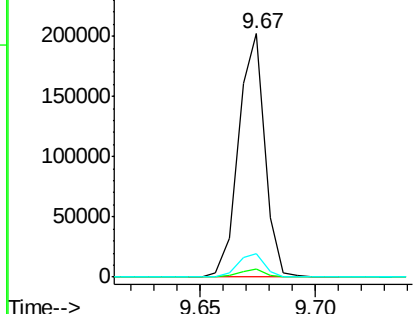
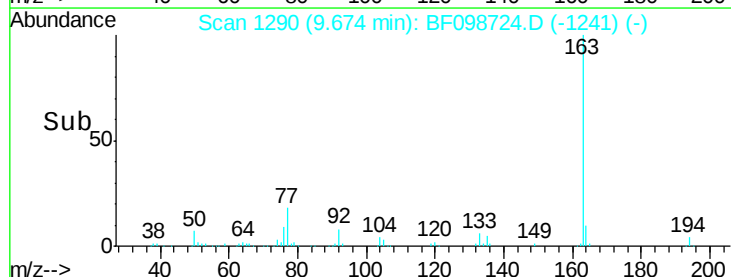


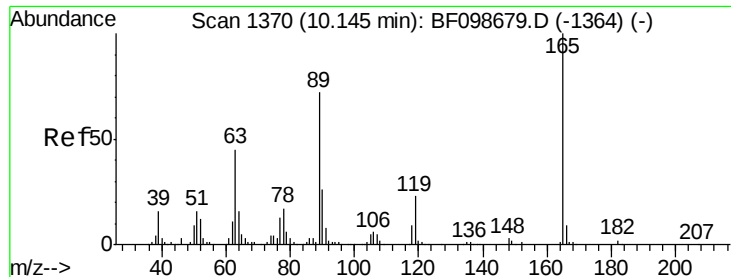
#49
Dimethylphthalate
Concen: 8.70 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Tgt Ion:163 Resp: 159853
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.7 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

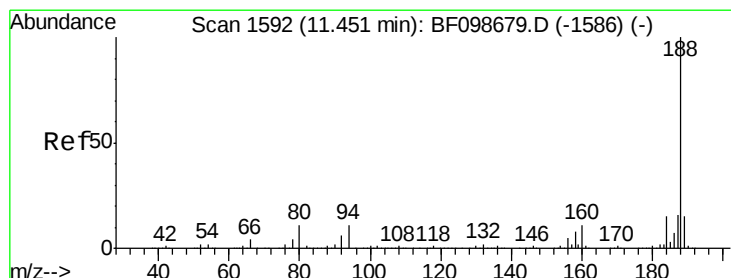
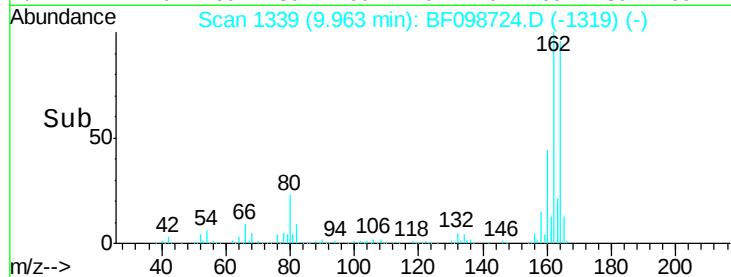
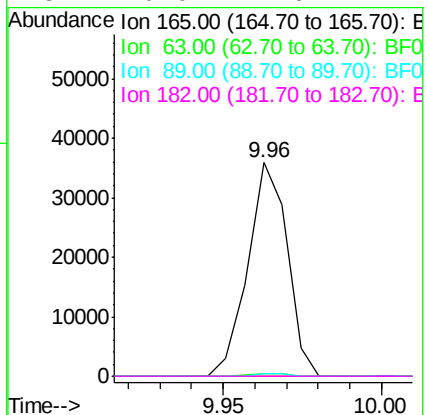
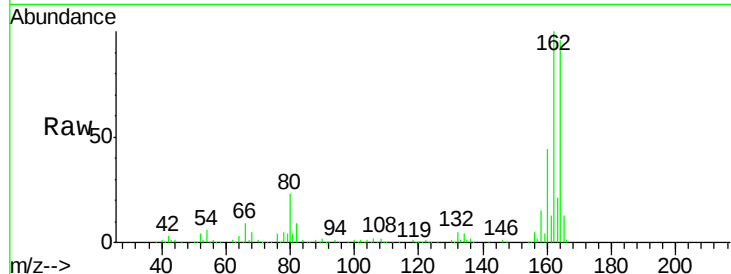




#56
 2,4-Dinitrotoluene
 Concen: 6.36 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. -0.18 min
 Lab File: BF098724.D
 Acq: 23 Sep 2017 4:21

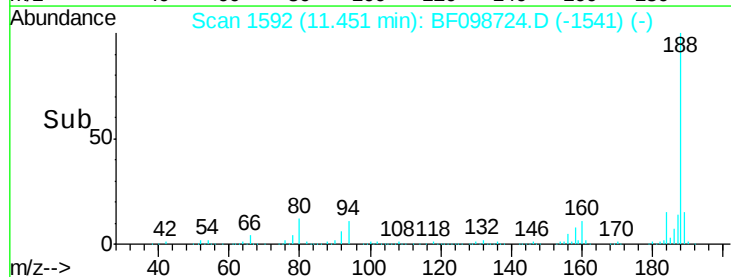
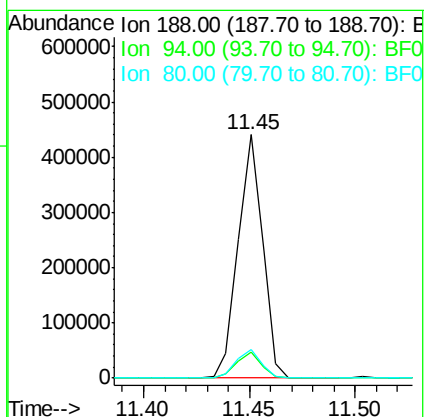
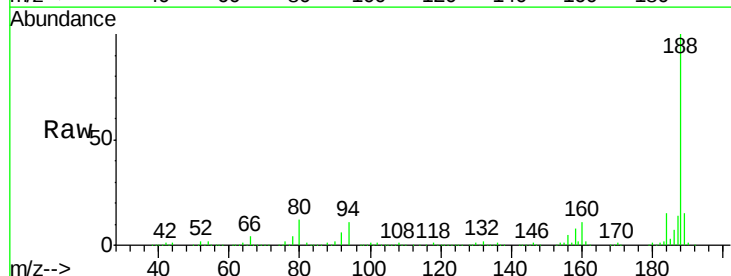
Instrument :
 BNA_F
 ClientSampled :

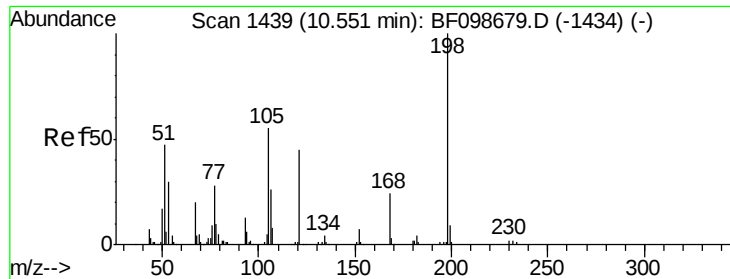
Tot Ion:165	Resp:	30992
Ion Ratio	Lower	Upper
165	100	
63	1.2	36.4 54.6#
89	1.3	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: BF098724.D
 Acq: 23 Sep 2017 4:21

Tgt Ion:188	Resp:	353026
Ion Ratio	Lower	Upper
188	100	
94	10.6	8.5 12.7
80	11.8	9.2 13.8

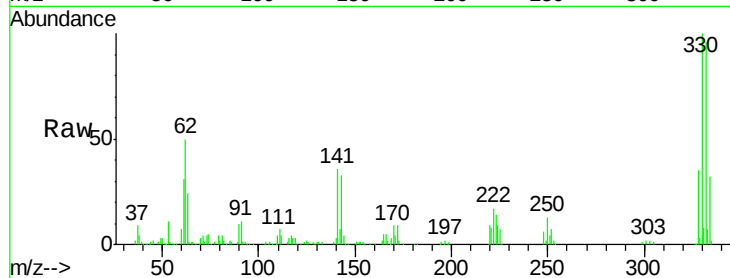




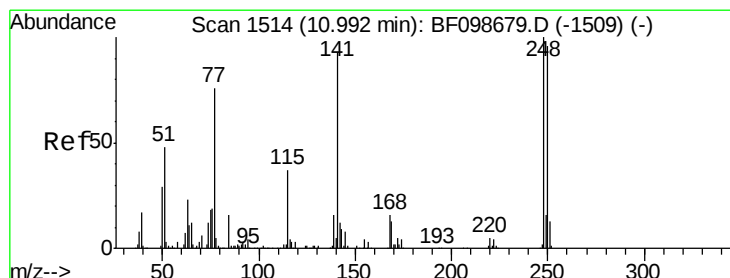
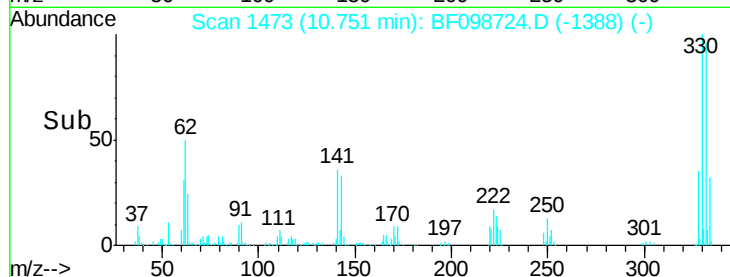
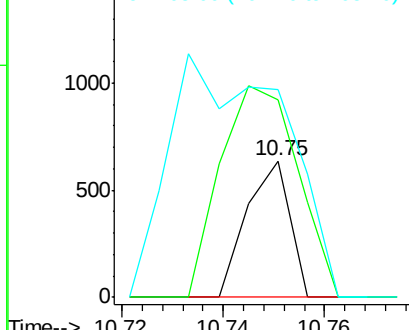
#64
4,6-Dinitro-2-methylphenol
Concen: 9.12 ng
RT: 10.75 min Scan# 1473
Delta R.T. 0.20 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 378
Ion Ratio Lower Upper
198 100
51 144.7 37.7 77.7#
105 152.6 36.3 76.3#

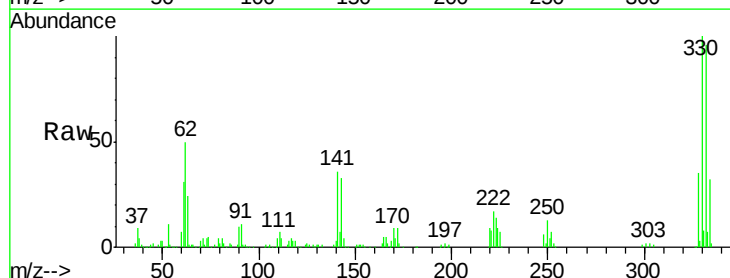


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

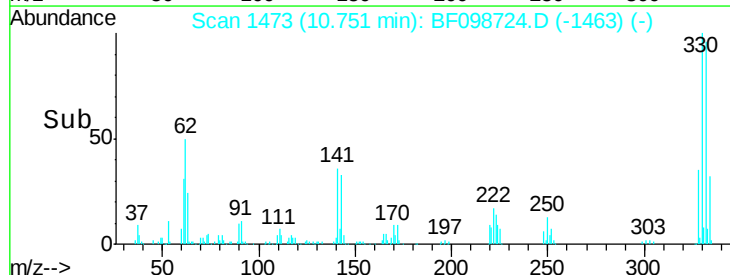
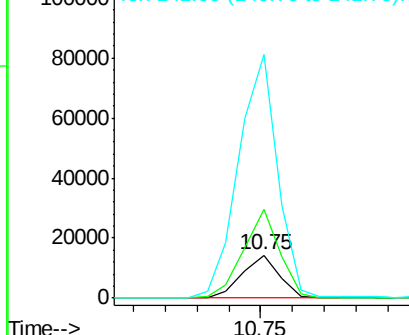


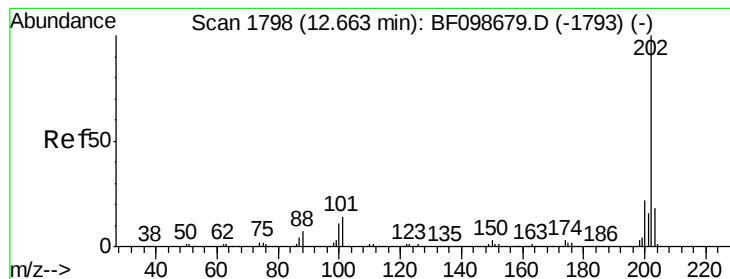
#66
4-Bromophenyl-phenylether
Concen: 3.25 ng
RT: 10.75 min Scan# 1473
Delta R.T. -0.24 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Tgt Ion:248 Resp: 11584
Ion Ratio Lower Upper
248 100
250 204.9 76.9 115.3#
141 564.0 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: 2.59 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.00 min

Lab File: BF098724.D

Acq: 23 Sep 2017 4:21

Instrument :

BNA_F

ClientSampleId :

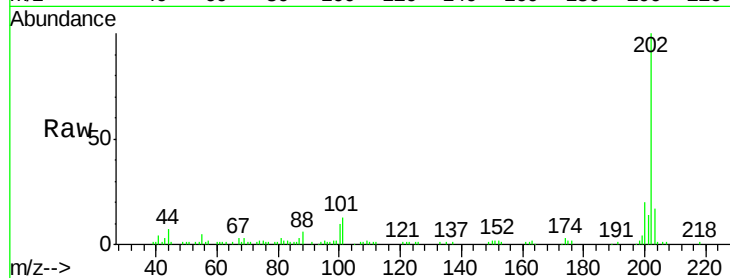
Tot Ion:202 Resp: 49467

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

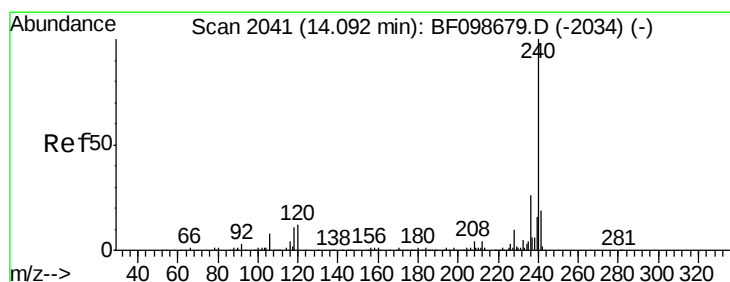
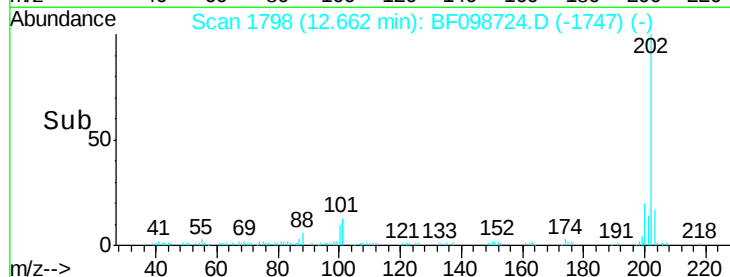
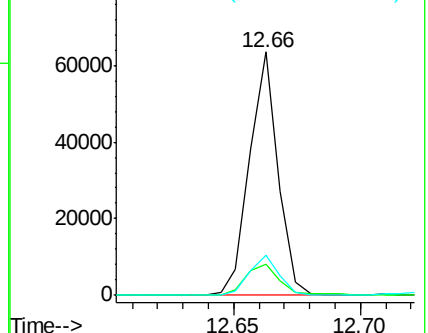
203 16.6 0.0 38.1



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: 20.00 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.01 min

Lab File: BF098724.D

Acq: 23 Sep 2017 4:21

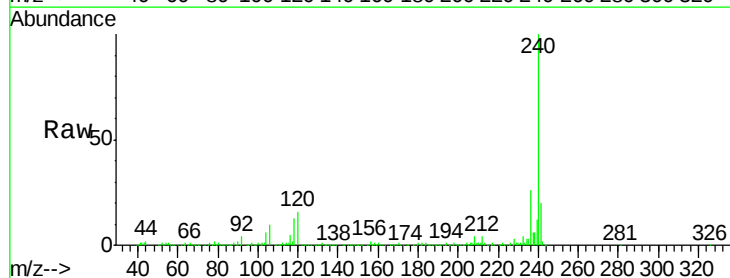
Tgt Ion:240 Resp: 308245

Ion Ratio Lower Upper

240 100

120 15.8 9.5 14.3#

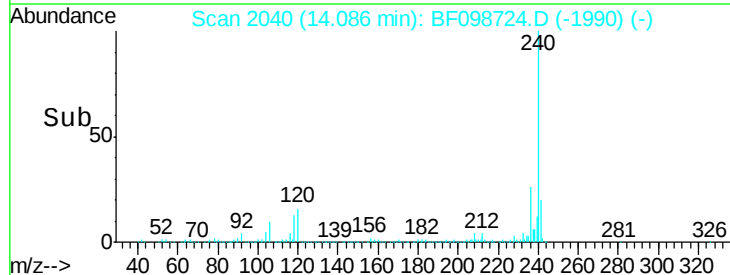
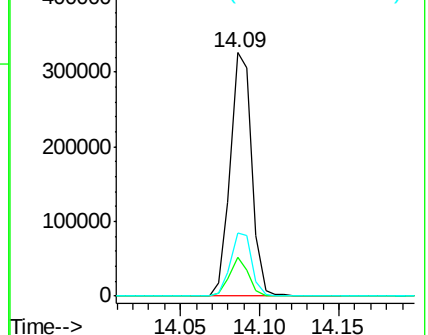
236 26.1 20.7 31.1

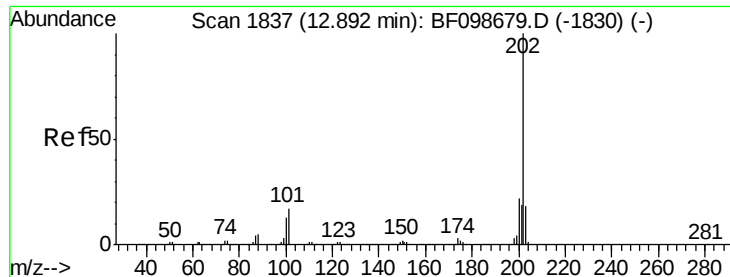


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

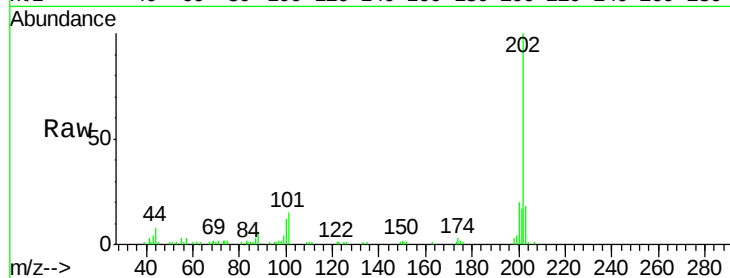




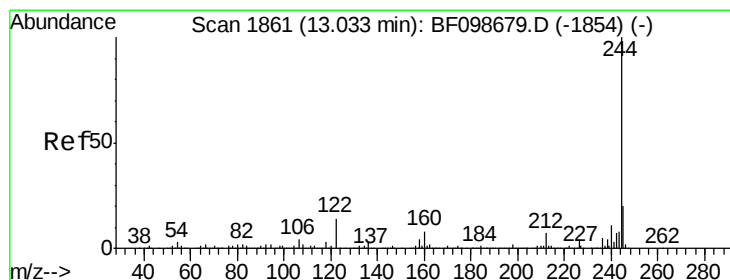
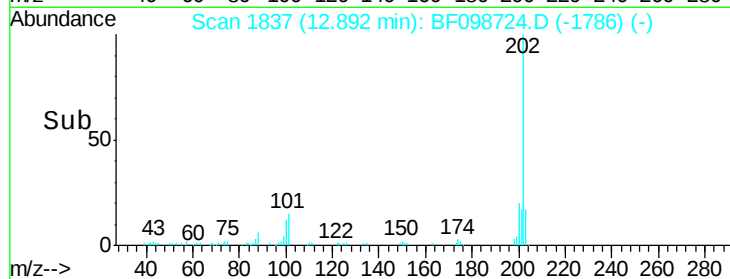
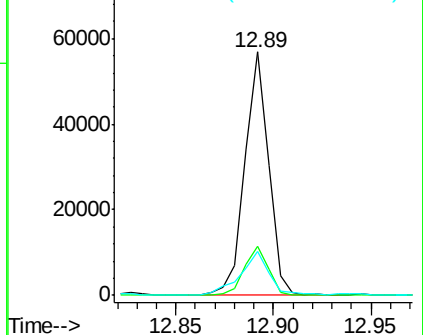
#77
Pvrene
Concen: 2.11 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.00 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 48205
Ion Ratio Lower Upper
202 100
200 20.4 17.4 26.2
203 18.0 14.3 21.5

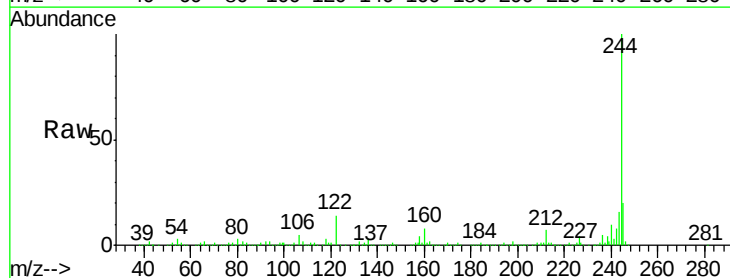


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

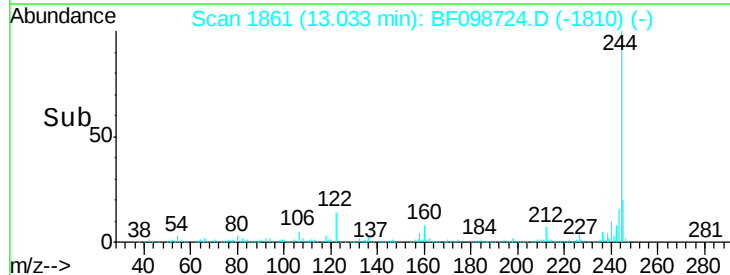
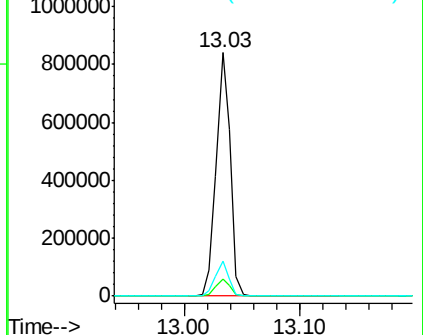


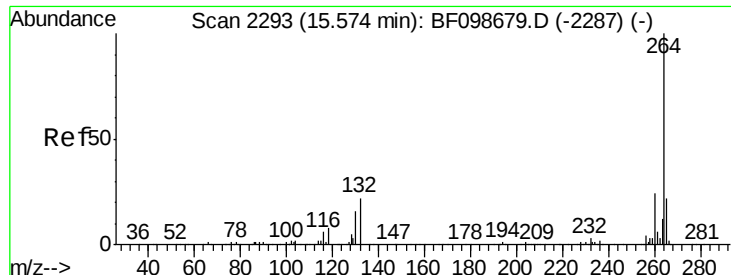
#78
Terphenyl-d14
Concen: 49.33 ng
RT: 13.03 min Scan# 1861
Delta R.T. -0.00 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Tgt Ion:244 Resp: 708182
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 14.5 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

Pervlene-d12

Concen: 20.00 ng

RT: 15.58 min Scan# 2294

Delta R.T. 0.01 min

Lab File: BF098724.D

Acq: 23 Sep 2017 4:21

Instrument :

BNA_F

ClientSampled :

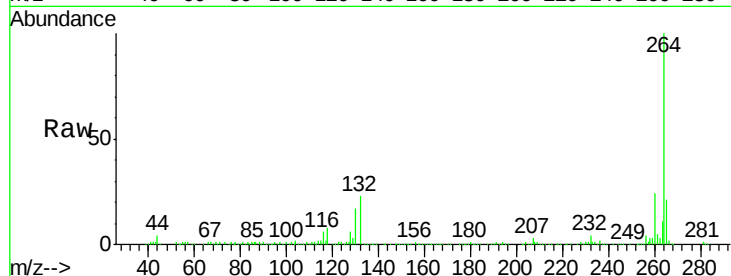
Tot Ion:264 Resp: 265169

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

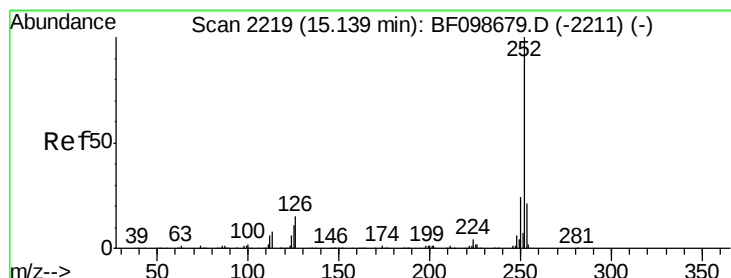
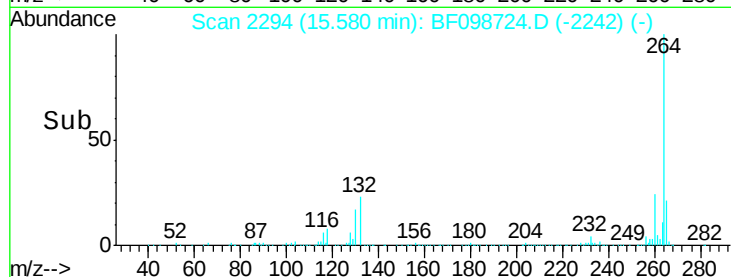
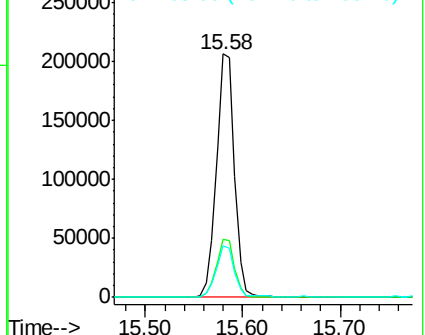
265 21.4 17.5 26.3



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: 2.65 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.00 min

Lab File: BF098724.D

Acq: 23 Sep 2017 4:21

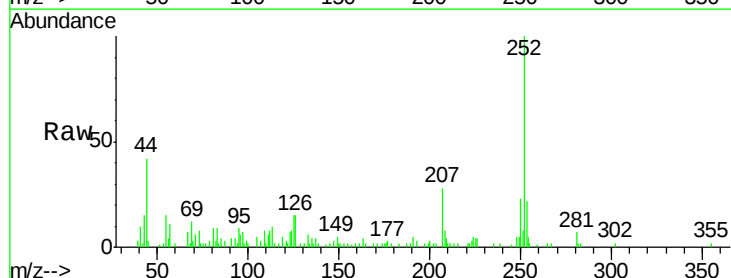
Tgt Ion:252 Resp: 40821

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.6

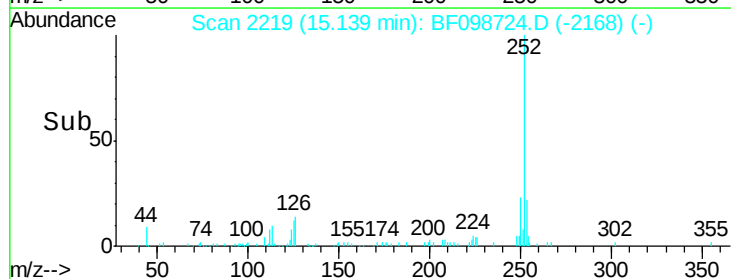
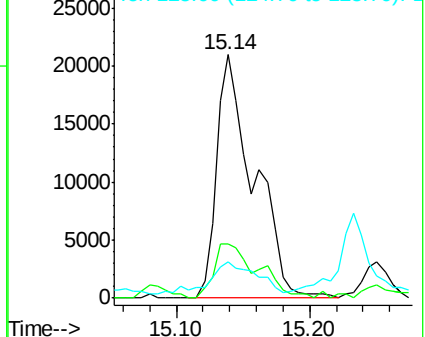
125 14.7 9.0 13.6#

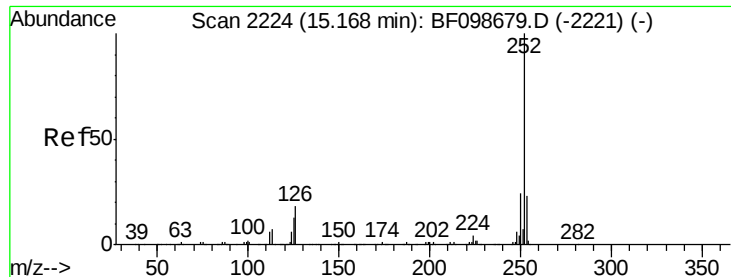


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 2.66 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.03 min

Lab File: BF098724.D

Acq: 23 Sep 2017 4:21

Instrument :

BNA_F

ClientSampleId :

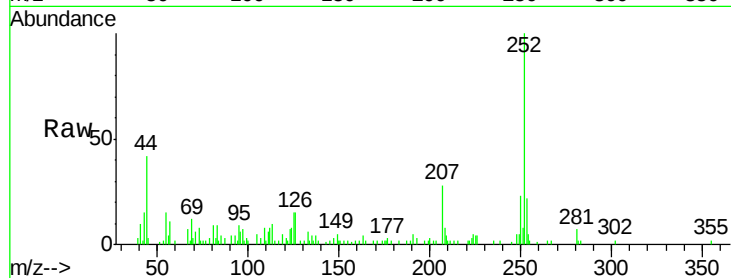
Tot Ion: 252 Resp: 40821

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 14.7 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

