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 Data File : BF098349.D
 Acq On : 8 Sep 2017 14:38
 Operator : SJ/JU
 Sample : I5110-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

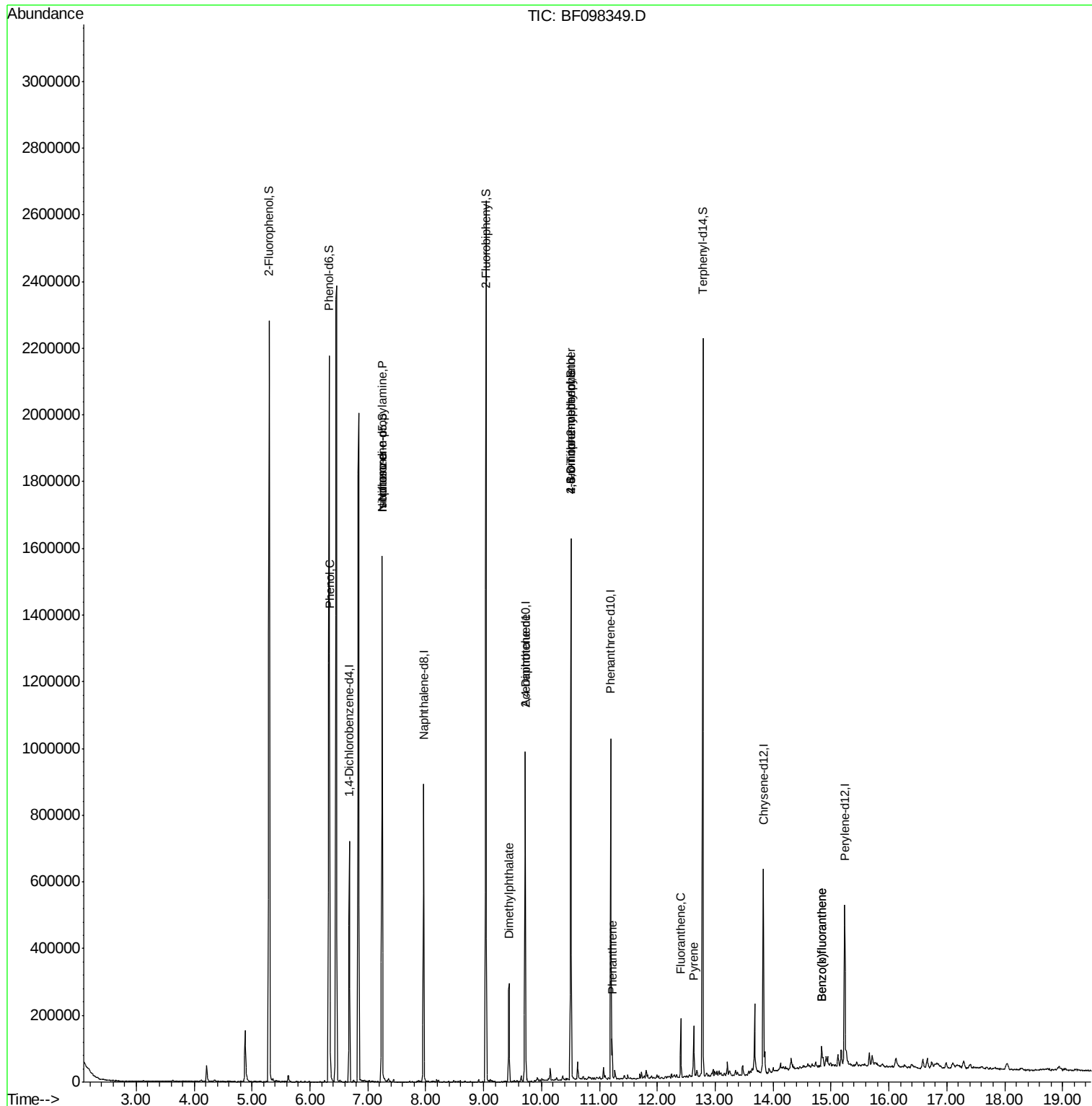
Quant Time: Sep 08 15:14:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 08 15:02:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	96676	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	384548	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	178977	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	338846	20.00	ng	0.00
75) Chrysene-d12	13.83	240	209718	20.00	ng	0.00
86) Perylene-d12	15.24	264	189296	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	764598	120.30	ng	0.02
7) Phenol-d6	6.33	99	1045541	121.07	ng	0.00
23) Nitrobenzene-d5	7.25	82	619712	87.55	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	226394	145.79	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	960146	78.82	ng	0.00
78) Terphenyl-d14	12.79	244	721179	71.71	ng	0.00
Target Compounds						
10) Phenol	6.35	94	36952	3.659	ng	88
19) n-Nitroso-di-n-propylamine	7.25	70	79027	13.368	ng	# 69
25) Isophorone	7.25	82	619701	42.102	ng	# 67
49) Dimethylphthalate	9.44	163	117535	8.984	ng	98
56) 2,4-Dinitrotoluene	9.72	165	22516	6.870	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.50	198	358	8.506	ng	# 1
66) 4-Bromophenyl-phenylether	10.51	248	13854	3.937	ng	# 1
70) Phenanthrene	11.22	178	39132	2.167	ng	99
74) Fluoranthene	12.40	202	66328	3.519	ng	98
77) Pyrene	12.63	202	56629	3.301	ng	97
87) Benzo(b)fluoranthene	14.84	252	36755	3.080	ng	98
88) Benzo(k)fluoranthene	14.84	252	36755	3.279	ng	97

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

```
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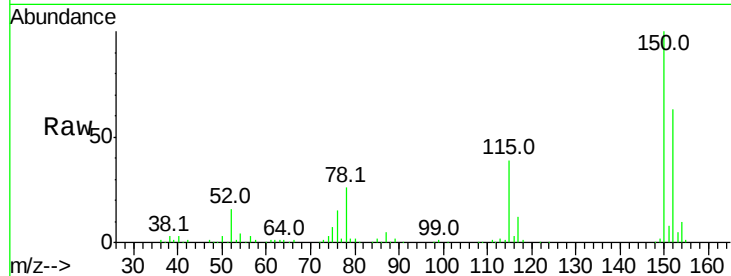


#1

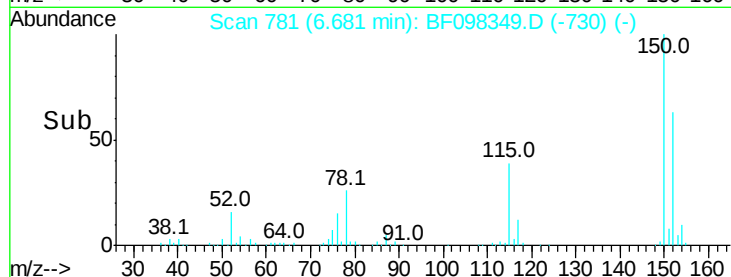
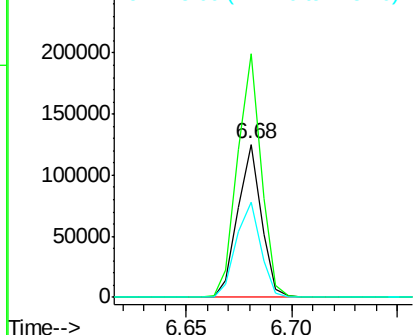
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Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. 0.00 min
Lab File: BF098349.D
Acq: 8 Sep 2017 14:38

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion:152 Resp: 96676
Ion Ratio Lower Upper
152 100
150 159.2 126.2 189.2
115 62.2 52.2 78.2



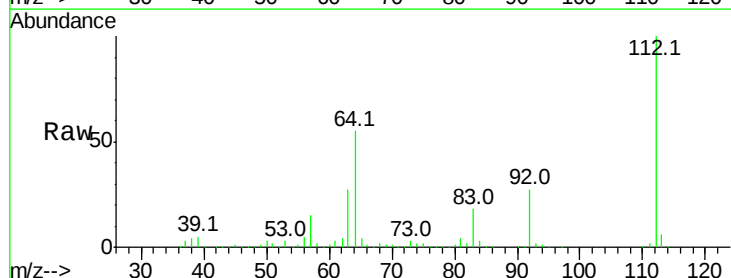
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



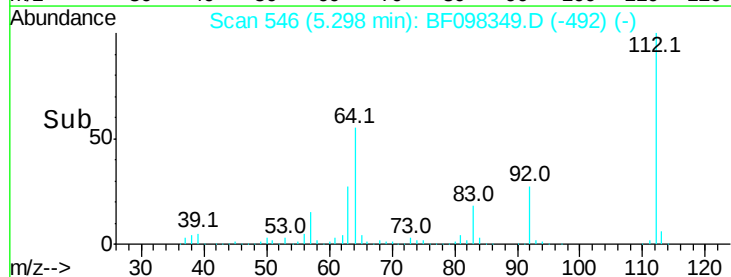
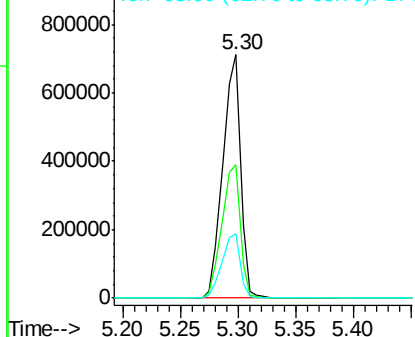
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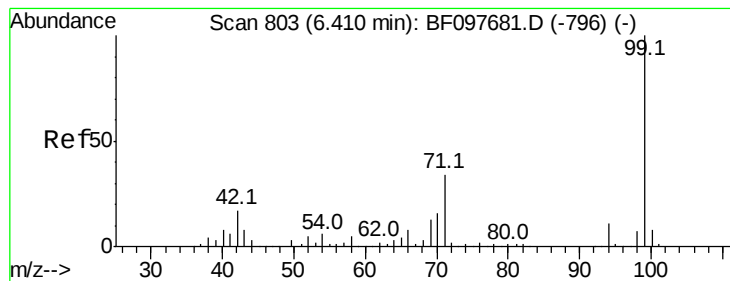
2-Fluorophenol
Concen: 120.300 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.02 min
Lab File: BF098349.D
Acq: 8 Sep 2017 14:38

Tgt Ion:112 Resp: 764598
Ion Ratio Lower Upper
112 100
64 54.7 46.0 69.0
63 26.7 23.4 35.0



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: 121.072 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF098349.D

Acq: 8 Sep 2017 14:38

Instrument :

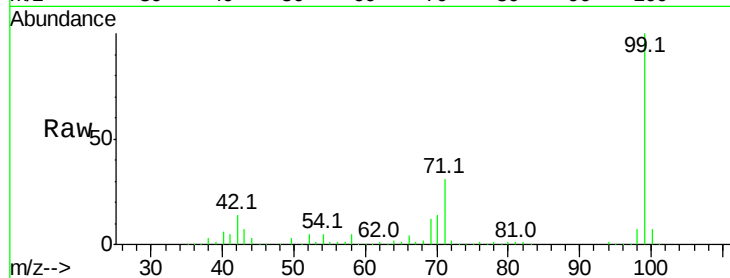
BNA_F

ClientSampled :

SP-1

Tot Ion: 99 Resp: 1045541

Ion	Ratio	Lower	Upper
99	100		
42	13.8	13.5	20.3
71	31.4	24.5	36.7

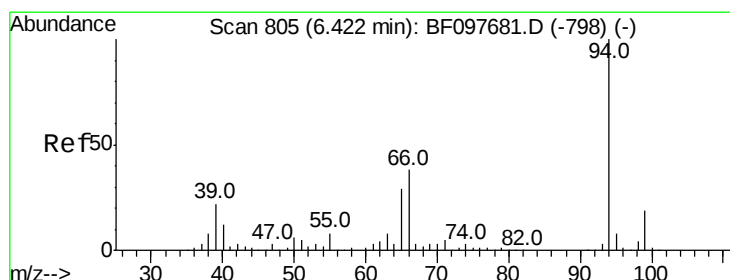
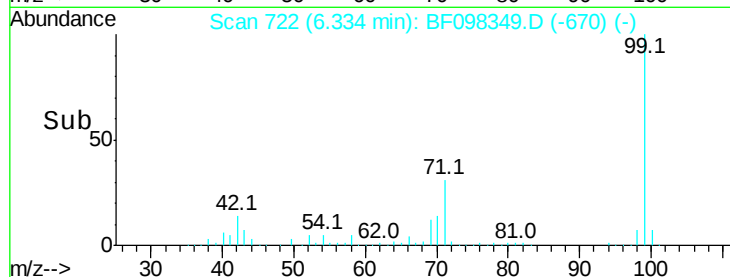
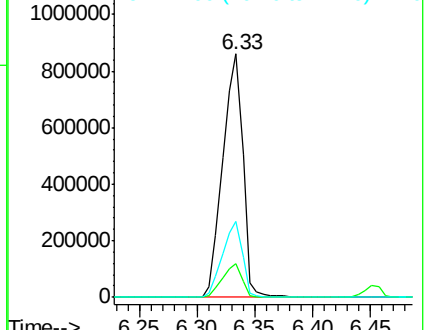


Abundance

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



#10

Phenol

Concen: 3.659 ng

RT: 6.35 min Scan# 724

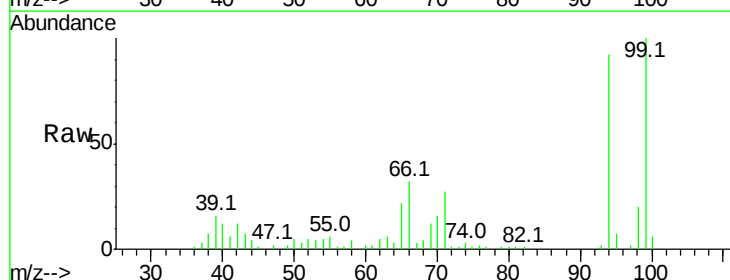
Delta R.T. 0.01 min

Lab File: BF098349.D

Acq: 8 Sep 2017 14:38

Tgt Ion: 94 Resp: 36952

Ion	Ratio	Lower	Upper
94	100		
65	23.8	9.9	49.9
66	34.9	23.1	63.1

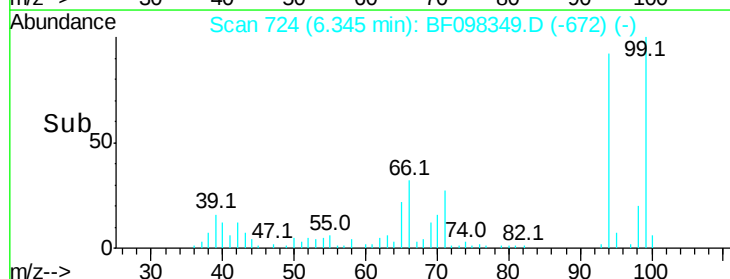
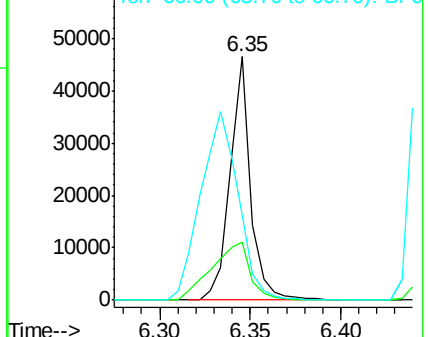


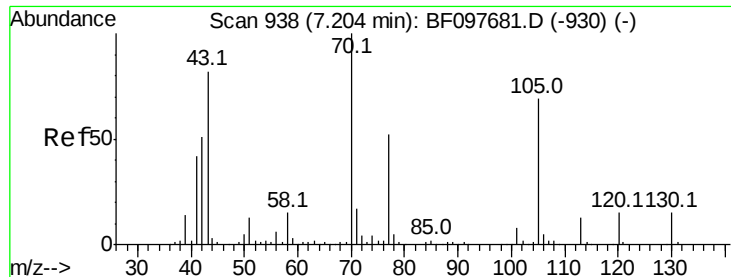
Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



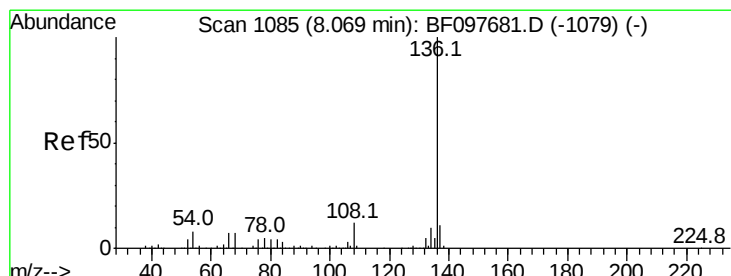
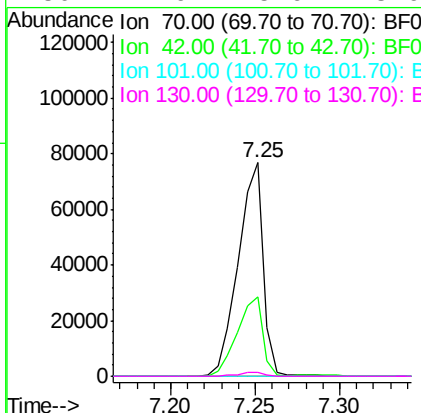
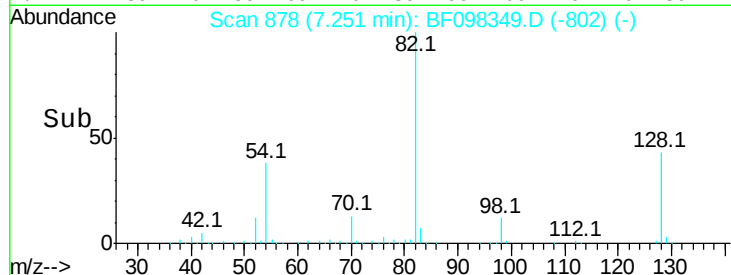
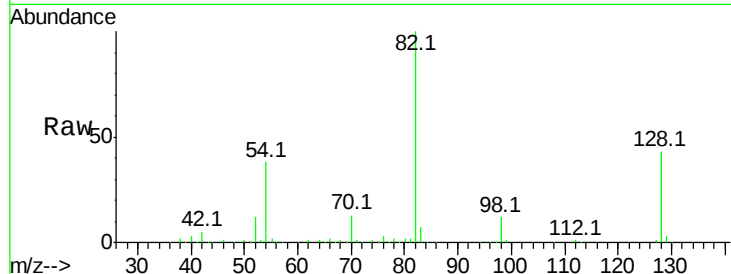


#19
n-Nitroso-di-n-propylamine
Concen: 13.368 ng
RT: 7.25 min Scan# 878
Delta R.T. 0.15 min
Lab File: BF098349.D
Acq: 8 Sep 2017 14:38

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion: 70 Resp: 79027

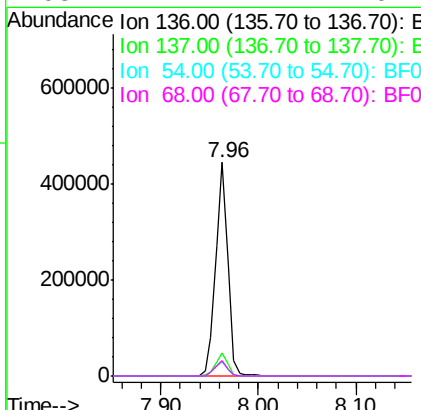
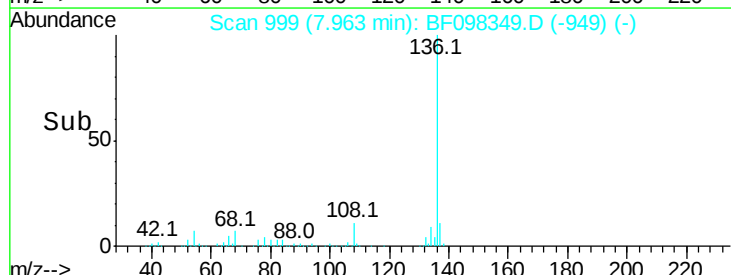
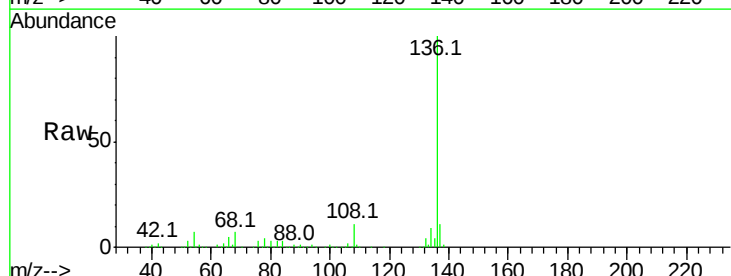
Ion	Ratio	Lower	Upper
70	100		
42	37.3	47.2	70.8#
101	0.0	7.2	10.8#
130	1.9	15.9	23.9#

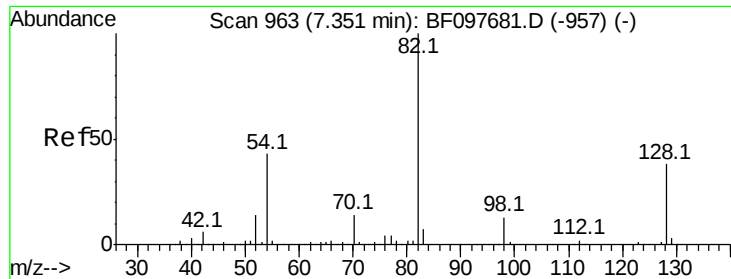


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF098349.D
Acq: 8 Sep 2017 14:38

Tgt Ion: 136 Resp: 384548

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	6.9	4.9	7.3
68	7.4	4.1	6.1#

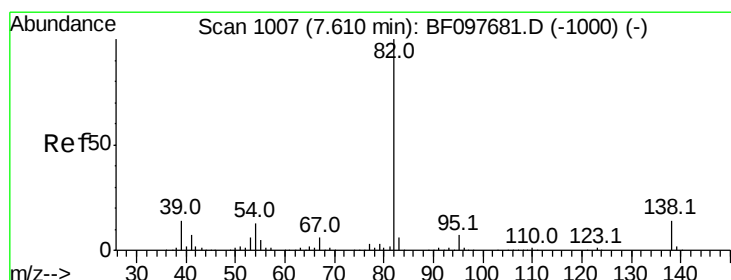
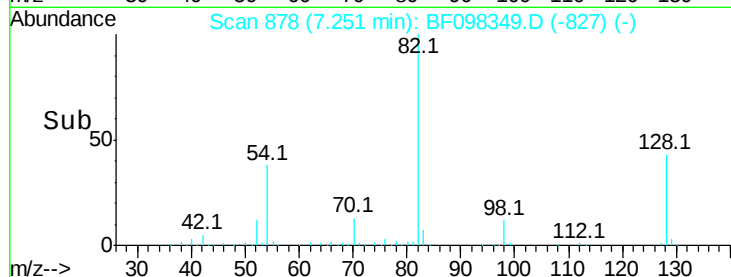
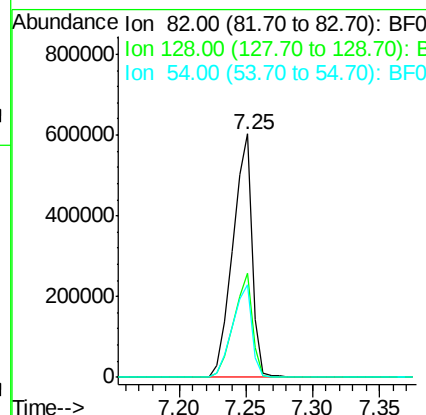
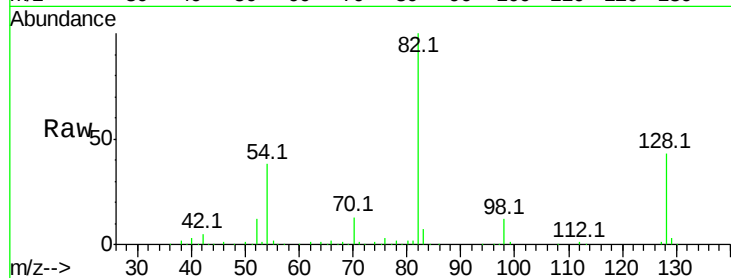




#23
 Nitrobenzene-d5
 Concen: 87.546 ng
 RT: 7.25 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: BF098349.D
 Acq: 8 Sep 2017 14:38

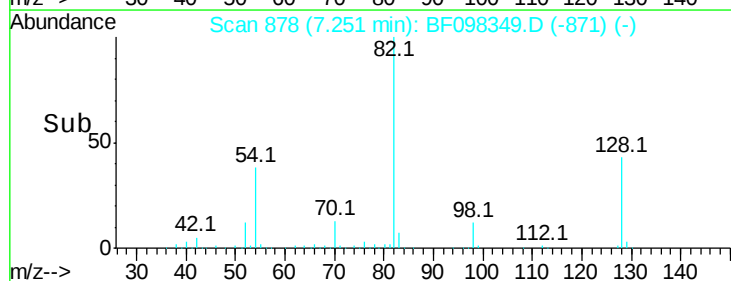
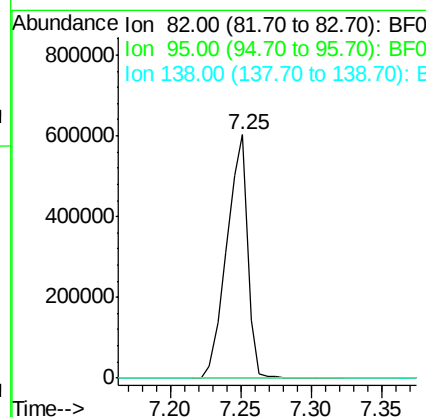
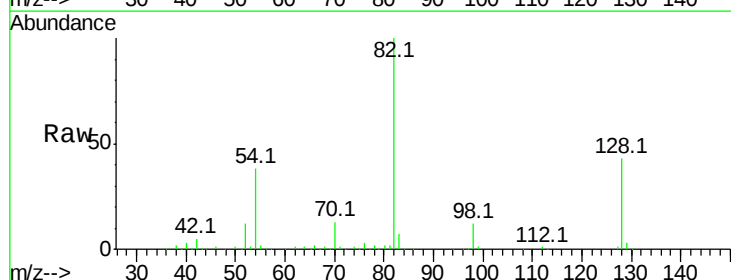
Instrument :
 BNA_F
 ClientSampleId :
 SP-1

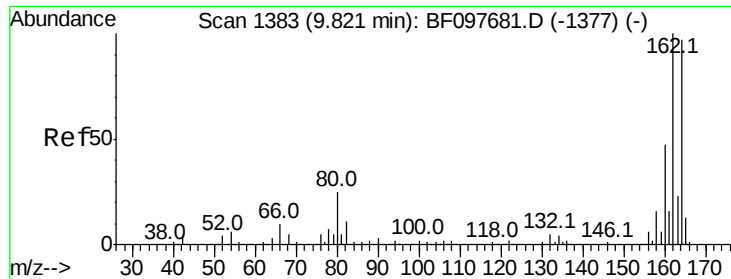
Tot Ion: 82 Resp: 619712
 Ion Ratio Lower Upper
 82 100
 128 42.9 34.0 51.0
 54 38.0 42.2 63.2#



#25
 Isophorone
 Concen: 42.102 ng
 RT: 7.25 min Scan# 878
 Delta R.T. -0.26 min
 Lab File: BF098349.D
 Acq: 8 Sep 2017 14:38

Tgt Ion: 82 Resp: 619701
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#

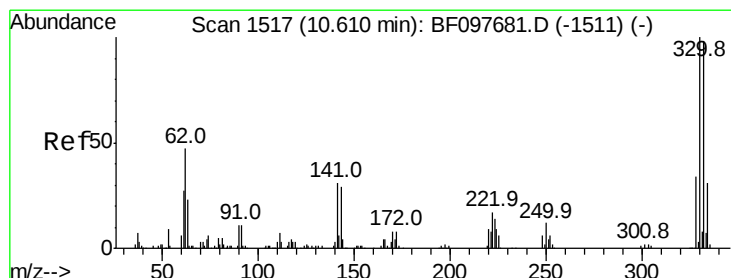
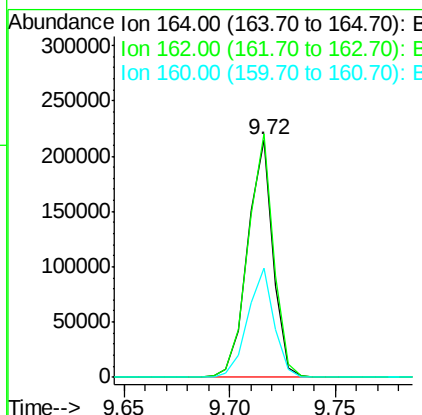
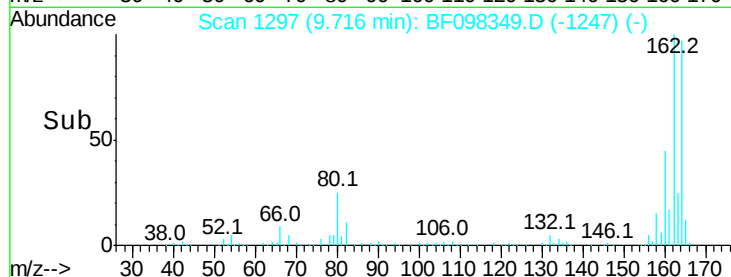
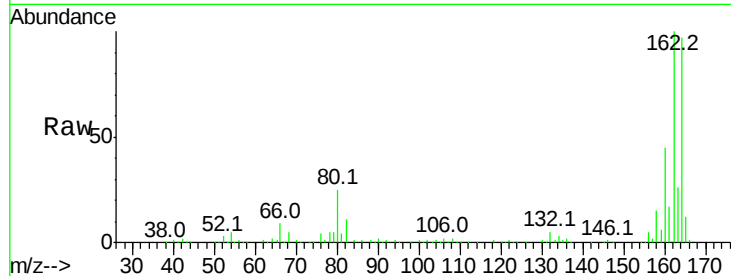




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: BF098349.D
 Acq: 8 Sep 2017 14:38

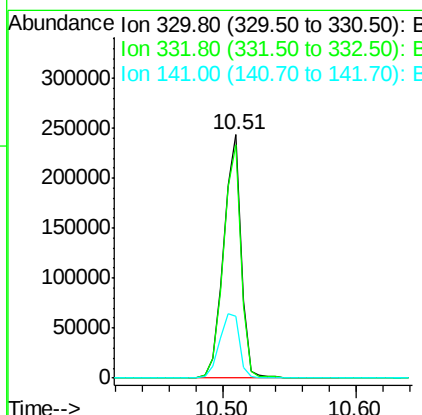
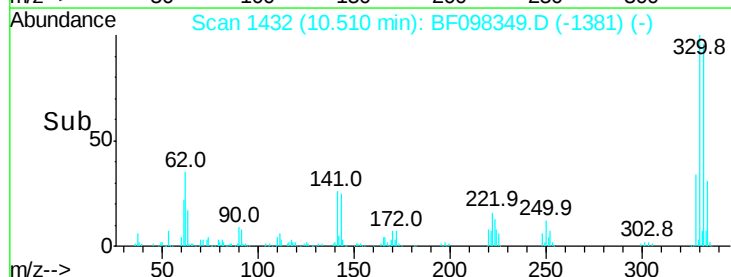
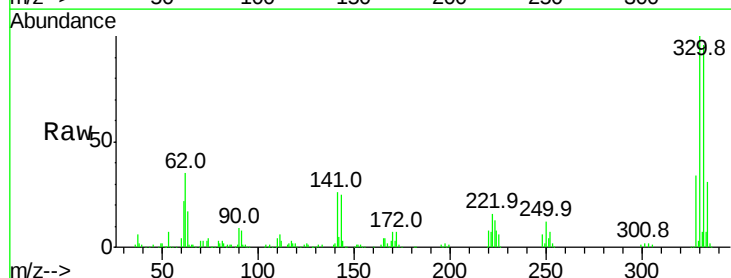
Instrument :
 BNA_F
 ClientSampleId :
 SP-1

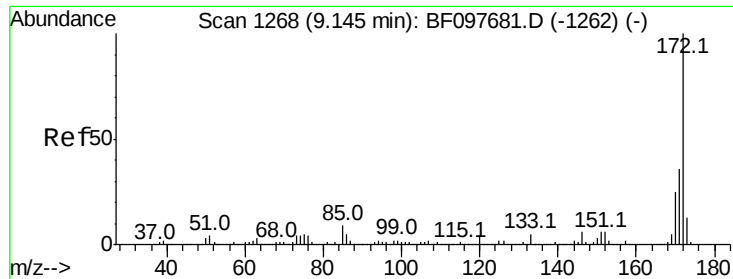
Tot Ion:164 Resp: 178977
 Ion Ratio Lower Upper
 164 100
 162 102.6 82.6 123.8
 160 46.0 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 145.786 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: BF098349.D
 Acq: 8 Sep 2017 14:38

Tgt Ion:330 Resp: 226394
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 115.0
 141 30.6 31.4 47.2#

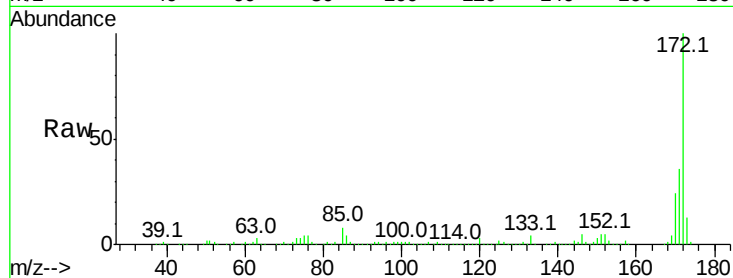




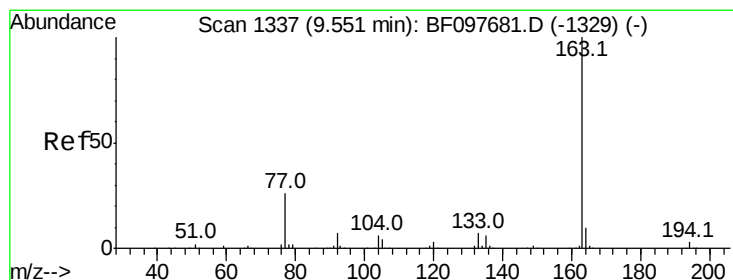
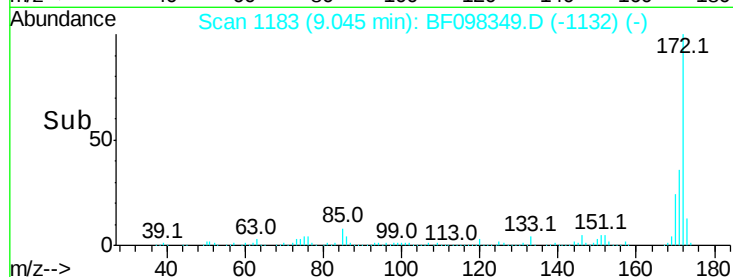
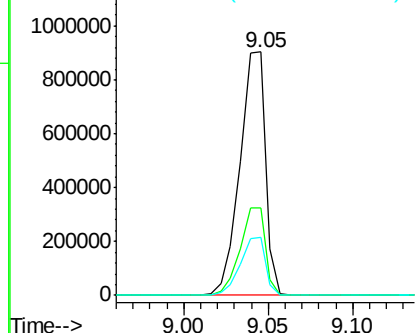
#44
2-Fluorobiphenyl
Concen: 78.817 ng
RT: 9.05 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF098349.D
Acq: 8 Sep 2017 14:38

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion:172 Resp: 960146
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 23.6 19.8 29.8

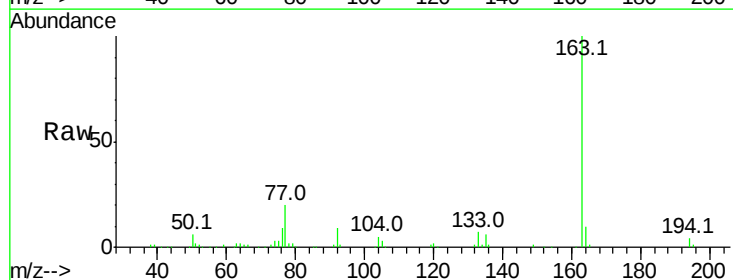


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

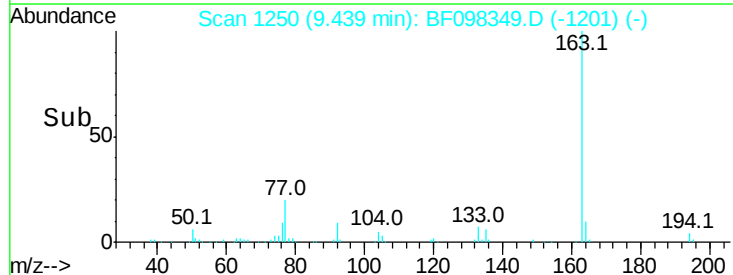
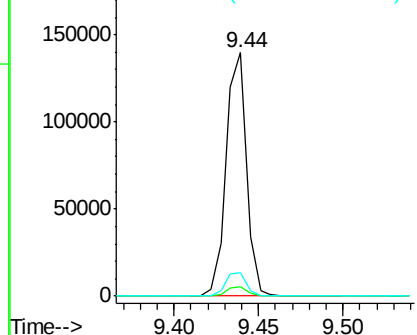


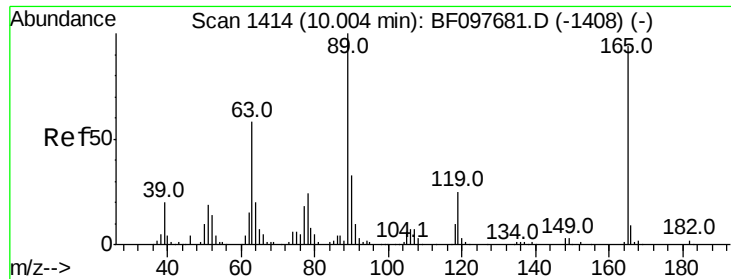
#49
Dimethylphthalate
Concen: 8.984 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.01 min
Lab File: BF098349.D
Acq: 8 Sep 2017 14:38

Tgt Ion:163 Resp: 117535
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 9.8 8.4 12.6



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

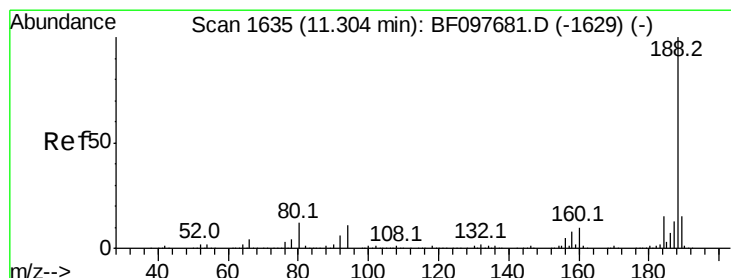
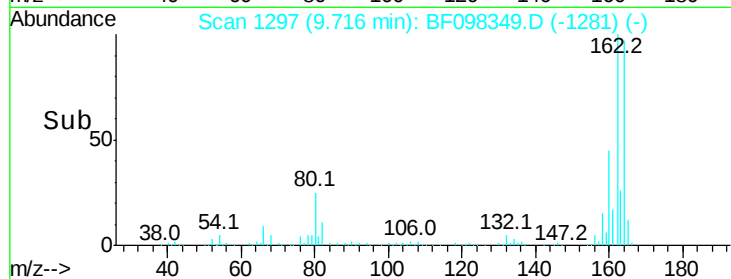
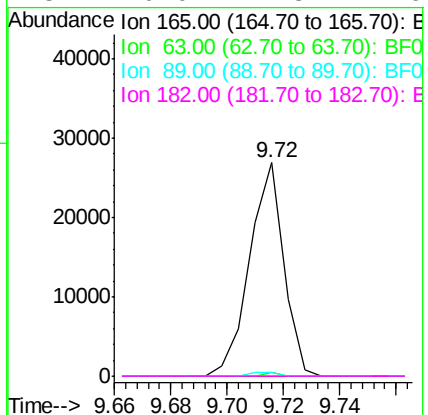
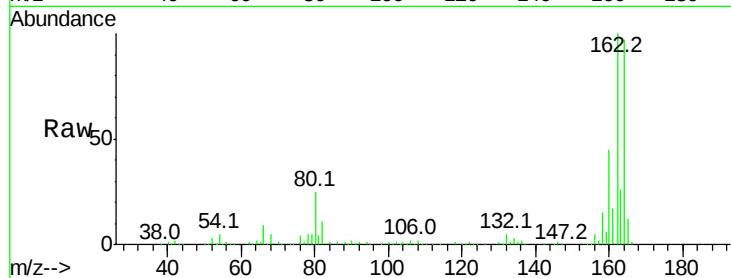




#56
 2,4-Dinitrotoluene
 Concen: 6.870 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.21 min
 Lab File: BF098349.D
 Acq: 8 Sep 2017 14:38

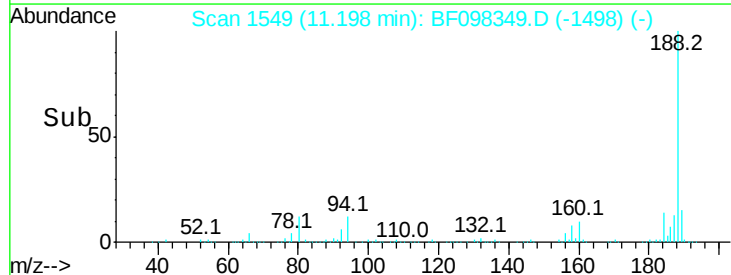
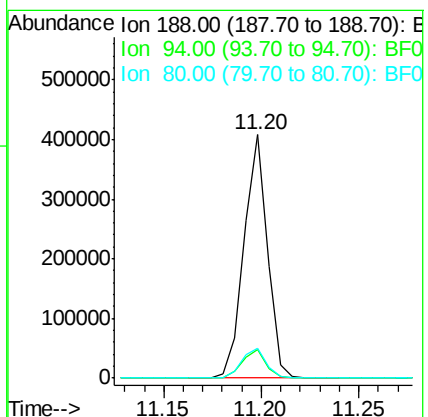
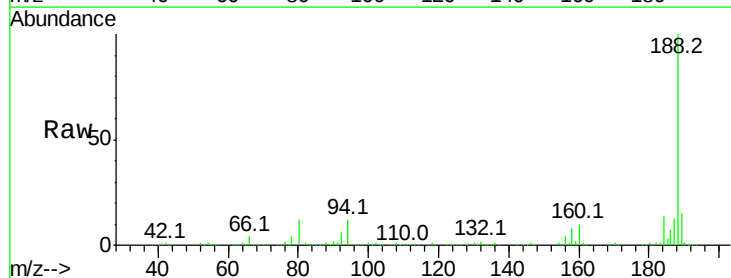
Instrument :
 BNA_F
 ClientSampleId :
 SP-1

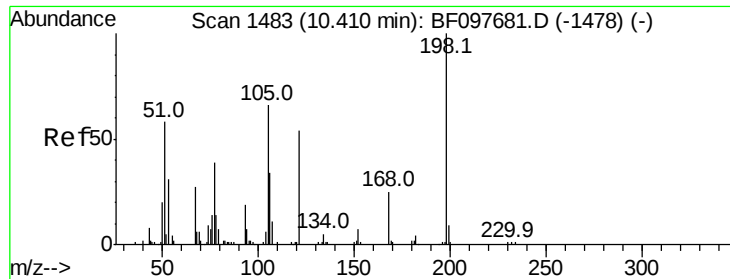
Tot Ion:165 Resp: 22516
 Ion Ratio Lower Upper
 165 100
 63 1.7 25.4 38.0#
 89 1.7 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. 0.00 min
 Lab File: BF098349.D
 Acq: 8 Sep 2017 14:38

Tgt Ion:188 Resp: 338846
 Ion Ratio Lower Upper
 188 100
 94 12.0 9.4 14.2
 80 12.3 10.2 15.2

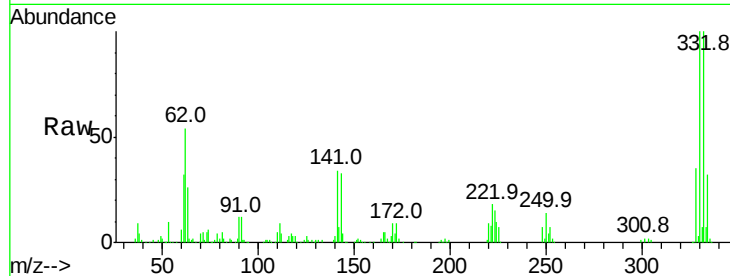




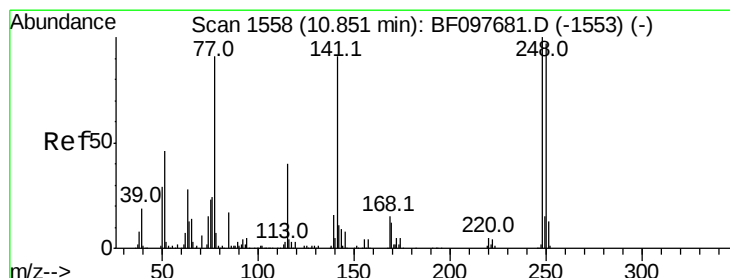
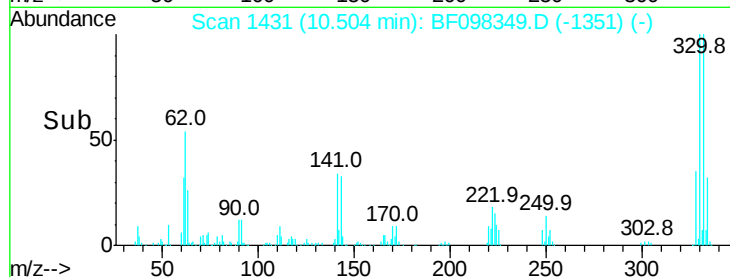
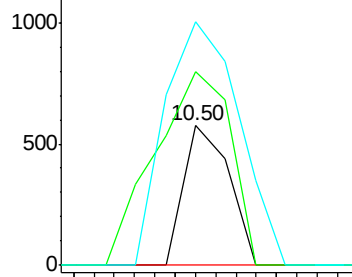
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.506 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. 0.17 min
 Lab File: BF098349.D
 Acq: 8 Sep 2017 14:38

Instrument :
 BNA_F
 ClientSampled :
 SP-1

Tot Ion:198 Resp: 358
 Ion Ratio Lower Upper
 198 100
 51 139.0 53.2 93.2#
 105 174.7 45.8 85.8#

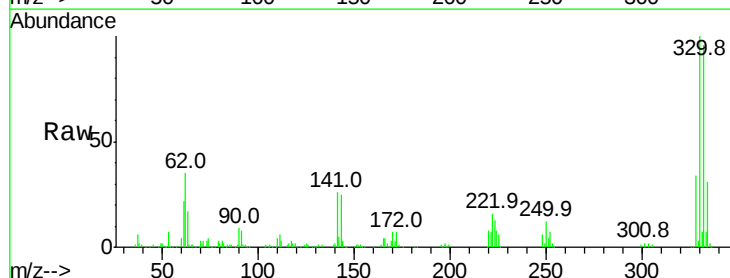


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

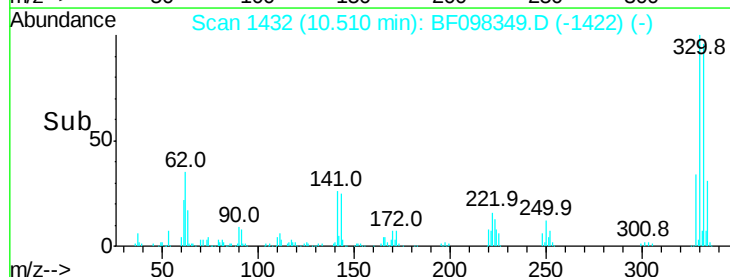
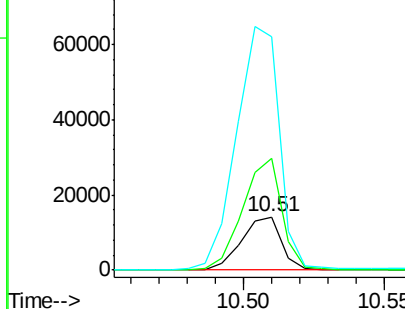


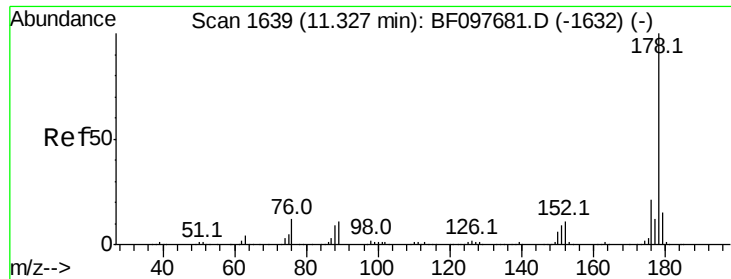
#66
 4-Bromophenyl-phenylether
 Concen: 3.937 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.24 min
 Lab File: BF098349.D
 Acq: 8 Sep 2017 14:38

Tgt Ion:248 Resp: 13854
 Ion Ratio Lower Upper
 248 100
 250 210.5 76.8 115.2#
 141 438.2 68.6 103.0#



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





#70

Phenanthrene

Concen: 2.167 ng

RT: 11.22 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF098349.D

Acq: 8 Sep 2017 14:38

Instrument :

BNA_F

ClientSampleId :

SP-1

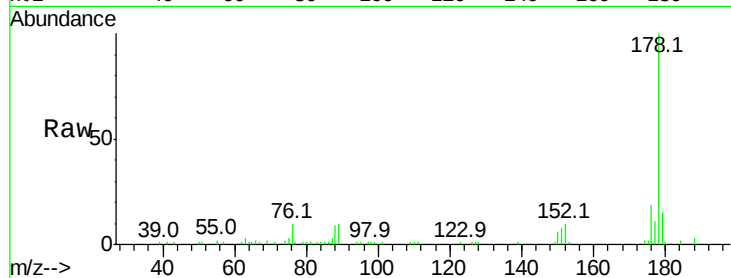
Tot Ion:178 Resp: 39132

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.4

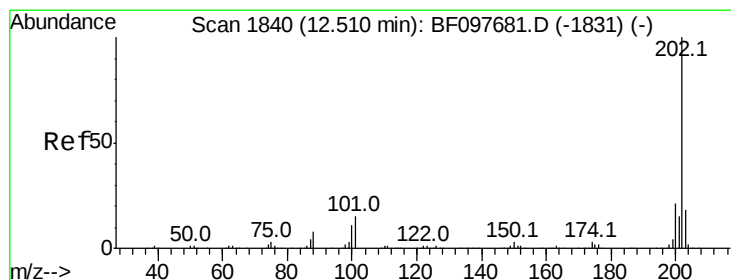
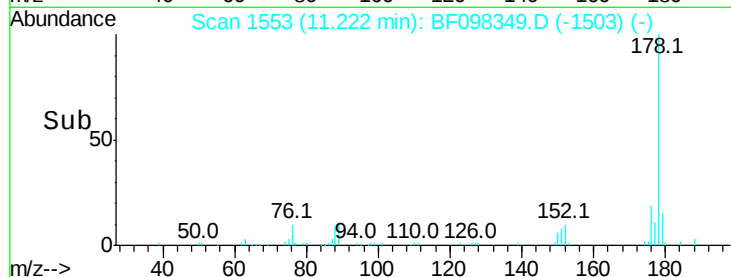
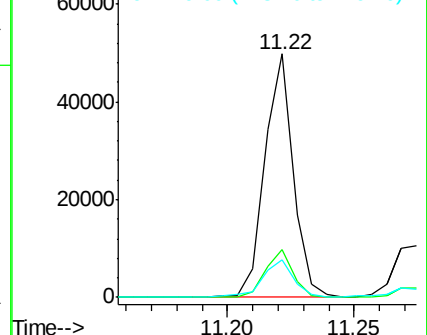
179 15.4 12.6 19.0



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



#74

Fluoranthene

Concen: 3.519 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF098349.D

Acq: 8 Sep 2017 14:38

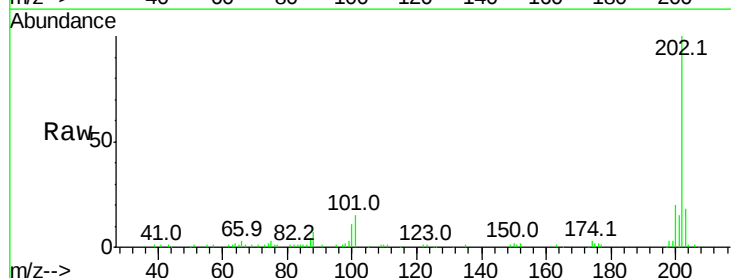
Tgt Ion:202 Resp: 66328

Ion Ratio Lower Upper

202 100

101 15.2 0.0 33.2

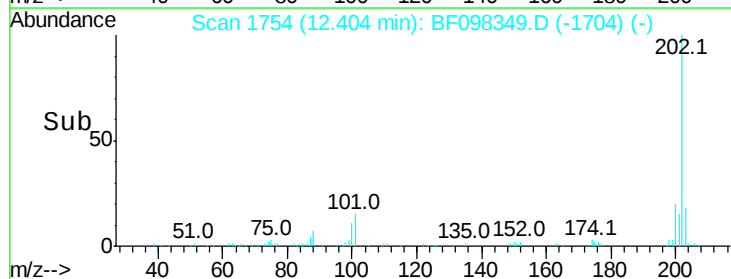
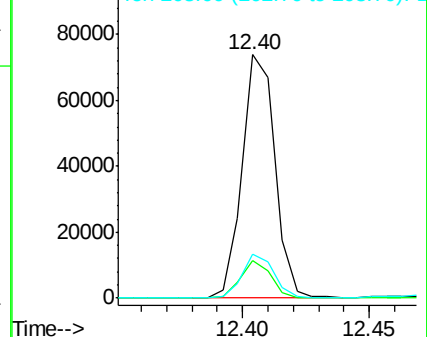
203 18.1 0.0 38.1

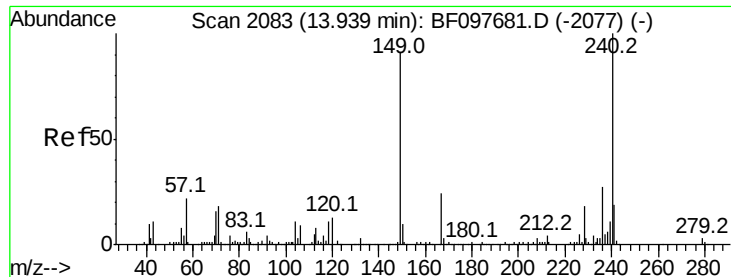


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF098349.D

Acq: 8 Sep 2017 14:38

Instrument :

BNA_F

ClientSampled :

SP-1

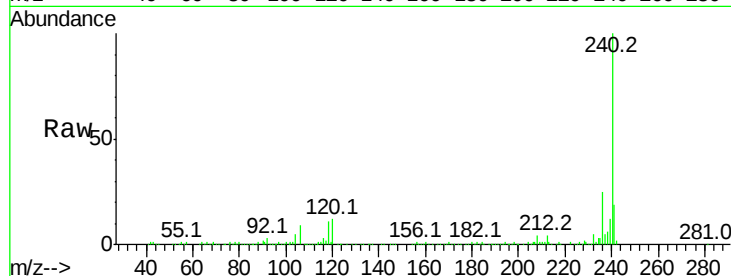
Tot Ion:240 Resp: 209718

Ion Ratio Lower Upper

240 100

120 12.1 5.8 8.8#

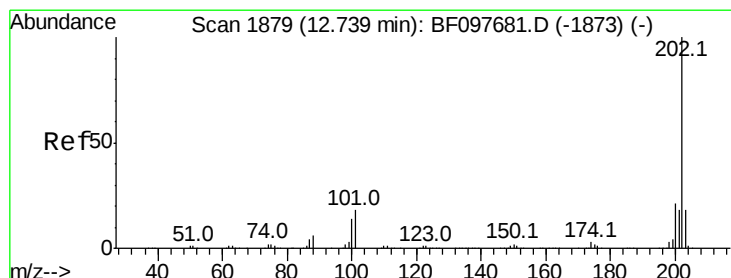
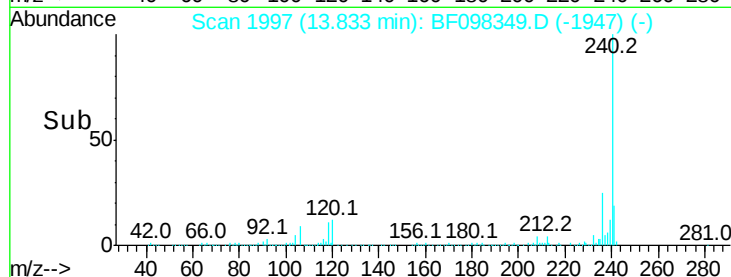
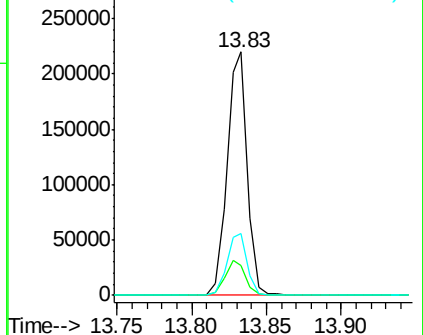
236 25.3 20.5 30.7



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: 3.301 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF098349.D

Acq: 8 Sep 2017 14:38

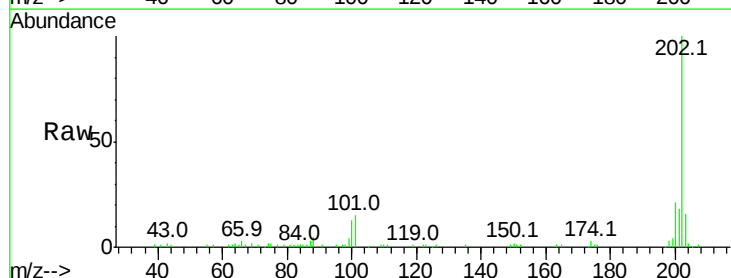
Tgt Ion:202 Resp: 56629

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

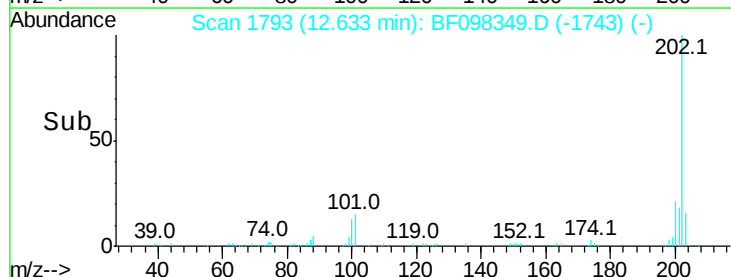
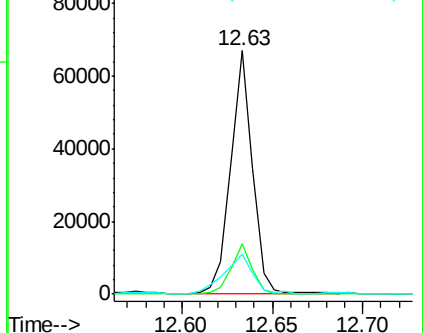
203 16.3 14.4 21.6

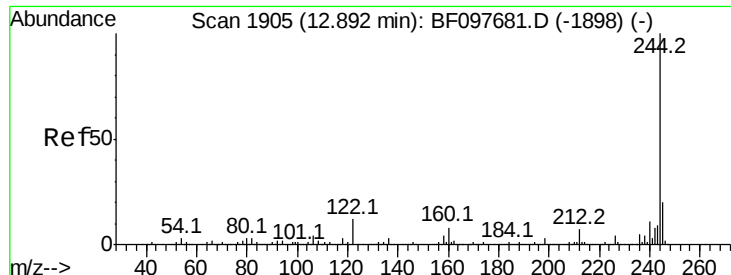


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 71.711 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BF098349.D

Acq: 8 Sep 2017 14:38

Instrument :

BNA_F

ClientSampled :

SP-1

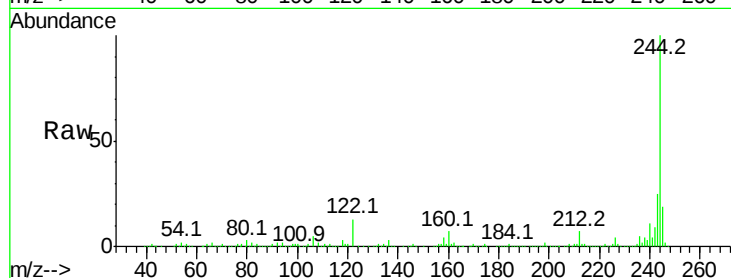
Tot Ion:244 Resp: 721179

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

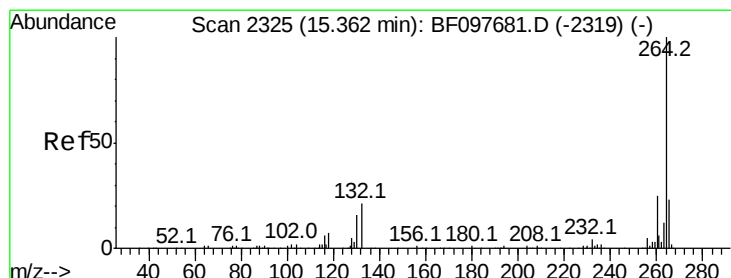
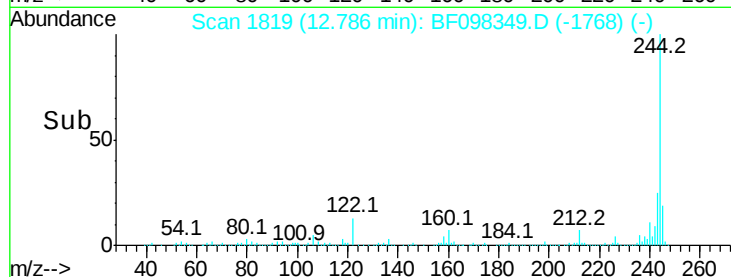
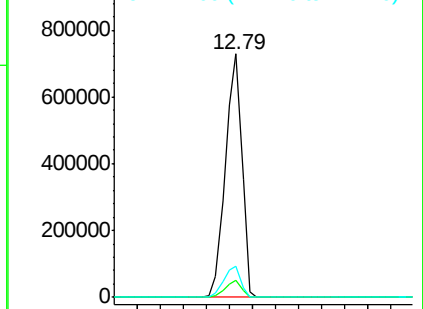
122 12.7 10.3 15.5



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: 15.24 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BF098349.D

Acq: 8 Sep 2017 14:38

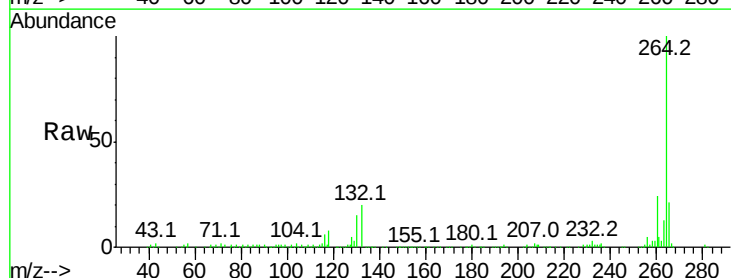
Tgt Ion:264 Resp: 189296

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

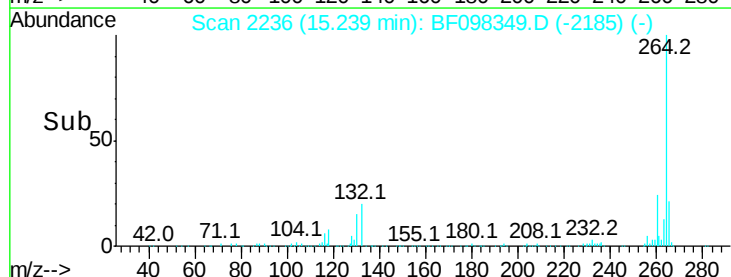
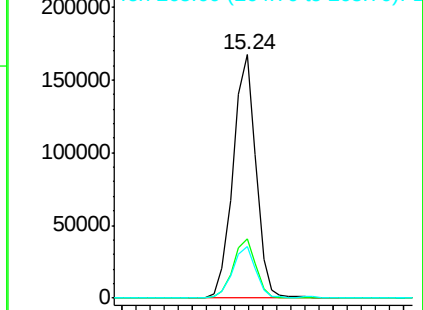
265 21.3 17.2 25.8

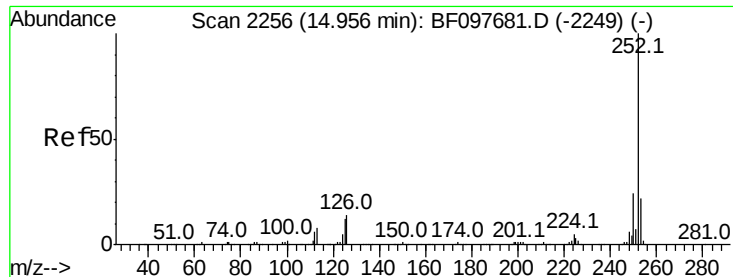


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.080 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BF098349.D

Acq: 8 Sep 2017 14:38

Instrument :

BNA_F

ClientSampleId :

SP-1

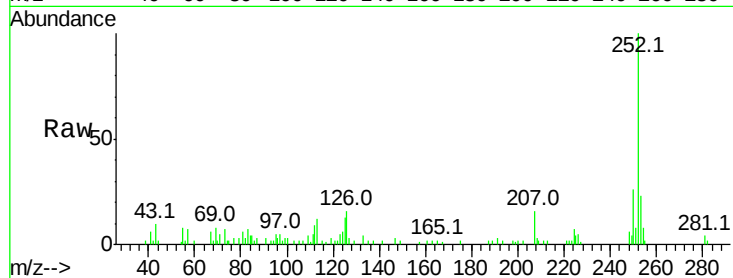
Tot Ion:252 Resp: 36755

Ion Ratio Lower Upper

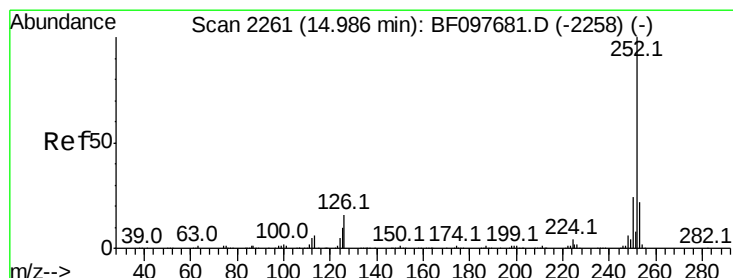
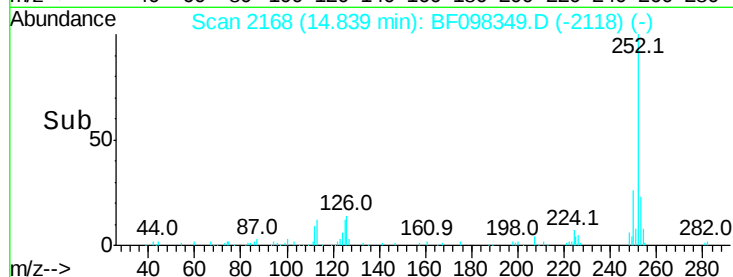
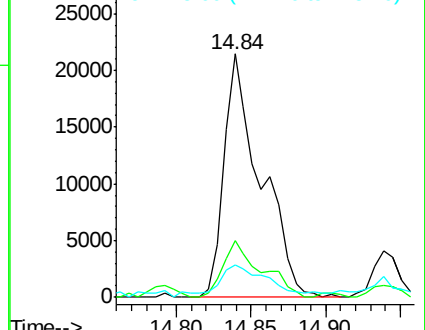
252 100

253 23.3 18.1 27.1

125 13.5 9.8 14.8



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: 3.279 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.03 min

Lab File: BF098349.D

Acq: 8 Sep 2017 14:38

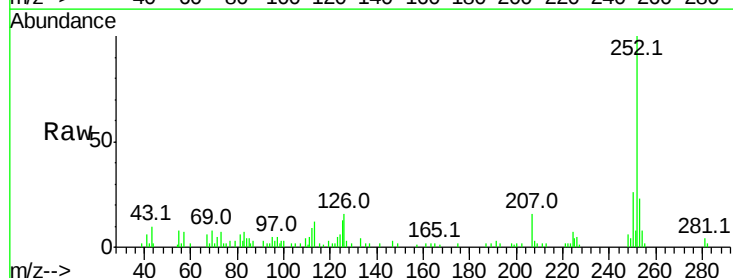
Tgt Ion:252 Resp: 36755

Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

125 13.5 13.1 19.7



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

