

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
 Data File : BF098069.D
 Acq On : 28 Aug 2017 15:25
 Operator : SJ/JU
 Sample : I4969-04 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-082417-B

Quant Time: Aug 29 08:27:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

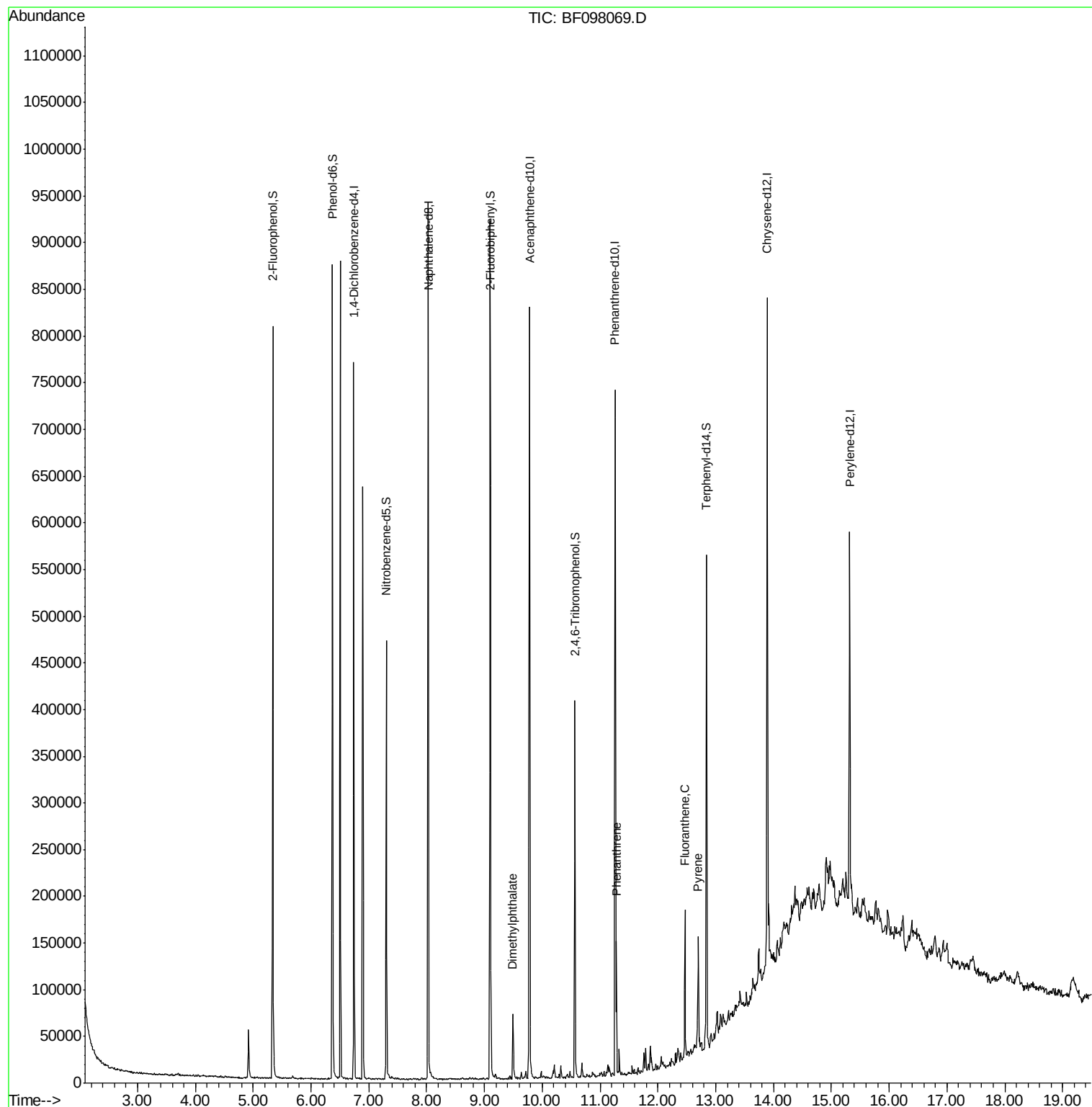
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	103011	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	402049	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	163952	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	266821	20.00	ng	0.00
75) Chrysene-d12	13.89	240	217730	20.00	ng	0.00
86) Perylene-d12	15.32	264	176004	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	211709	31.26	ng	-0.01
7) Phenol-d6	6.37	99	290386	31.56	ng	-0.02
23) Nitrobenzene-d5	7.30	82	165789	22.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	37553	26.40	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	256636	23.00	ng	-0.01
78) Terphenyl-d14	12.84	244	153656	14.72	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.49	163	30077	2.510	ng	97
70) Phenanthrene	11.28	178	46948	3.302	ng	96
74) Fluoranthene	12.47	202	53066	3.576	ng	99
77) Pyrene	12.70	202	42858	2.407	ng	96

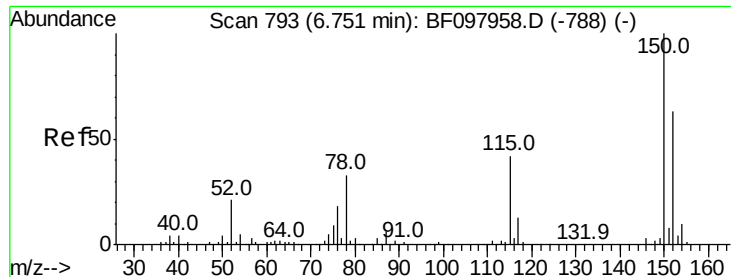
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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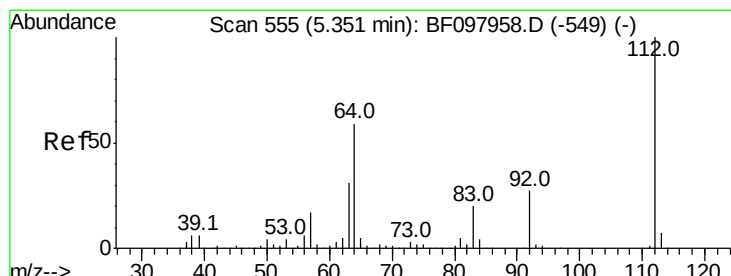
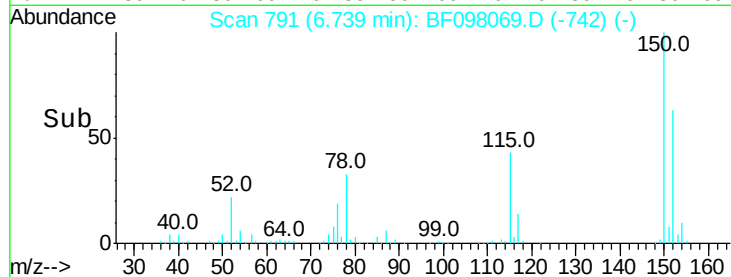
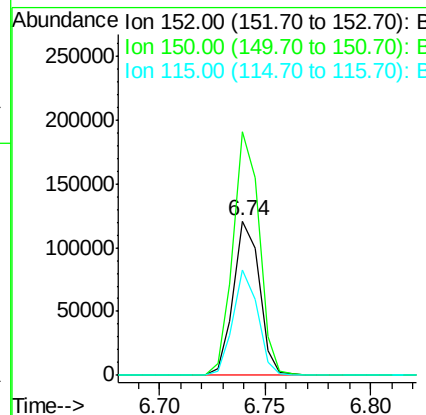
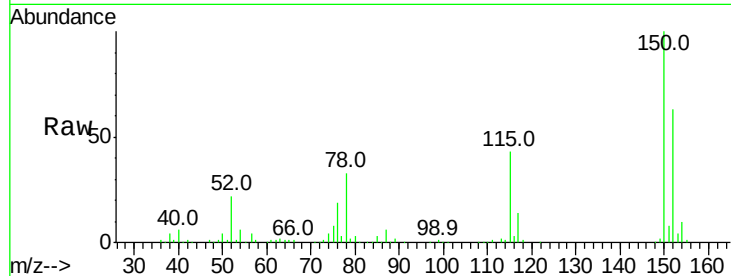


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF098069.D
 Acq: 28 Aug 2017 15:25

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-082417-B

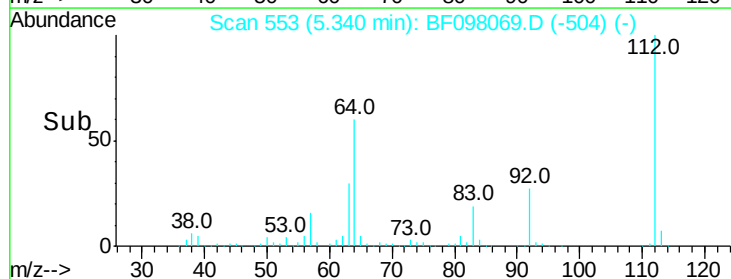
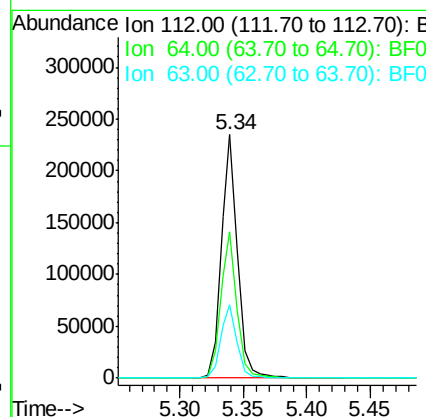
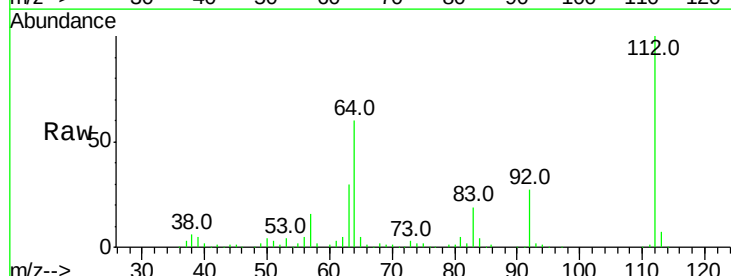
Tot Ion:152 Resp: 103011
 Ion Ratio Lower Upper
 152 100
 150 157.6 126.2 189.2
 115 68.2 52.2 78.2

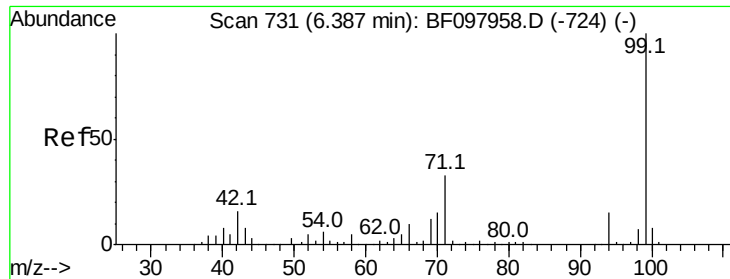


#5

2-Fluorophenol
 Concen: 31.261 ng
 RT: 5.34 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF098069.D
 Acq: 28 Aug 2017 15:25

Tgt Ion:112 Resp: 211709
 Ion Ratio Lower Upper
 112 100
 64 60.0 46.0 69.0
 63 30.1 23.4 35.0





#7

Phenol-d6

Concen: 31.558 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

BU-01-082417-B

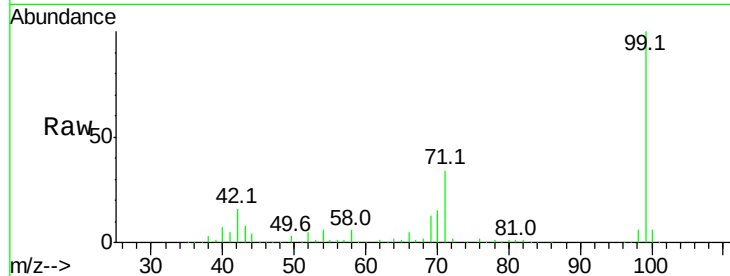
Tot Ion: 99 Resp: 290386

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

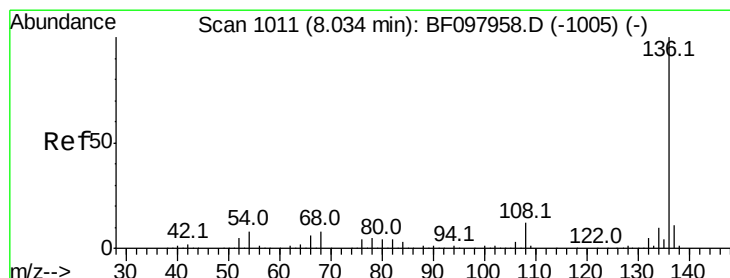
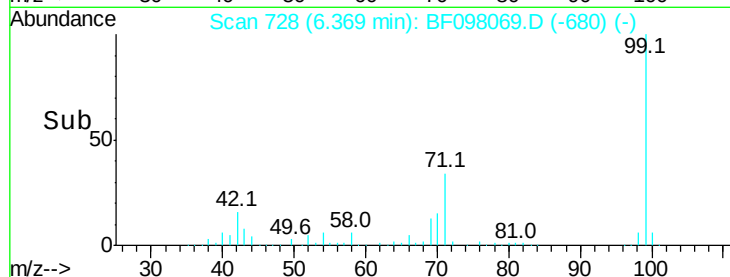
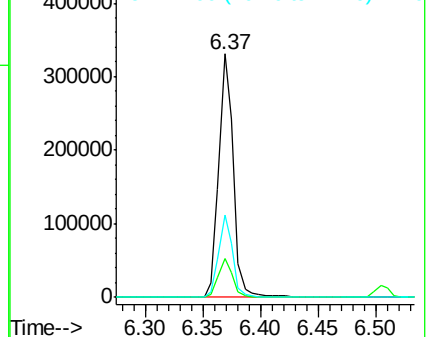
71 33.7 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

Tgt Ion: 136 Resp: 402049

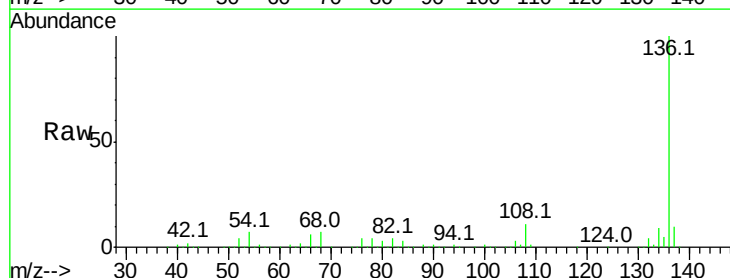
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 6.9 4.9 7.3

68 6.9 4.1 6.1#

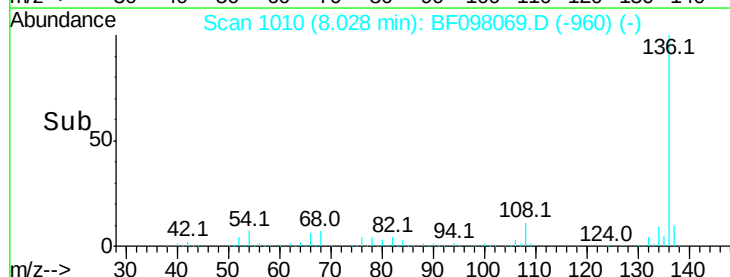
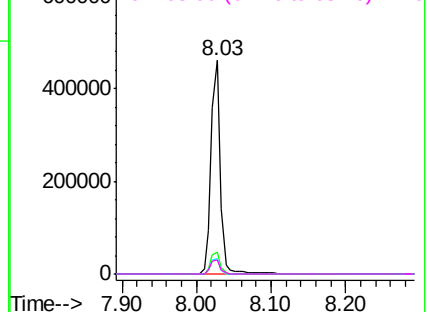


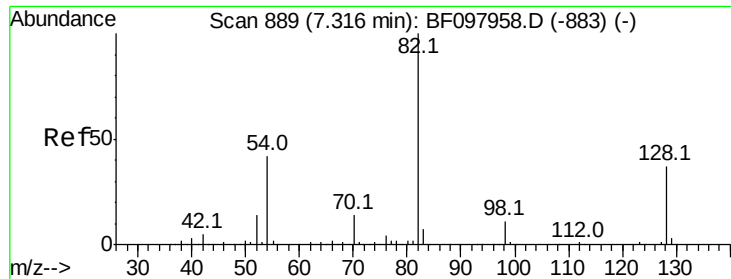
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

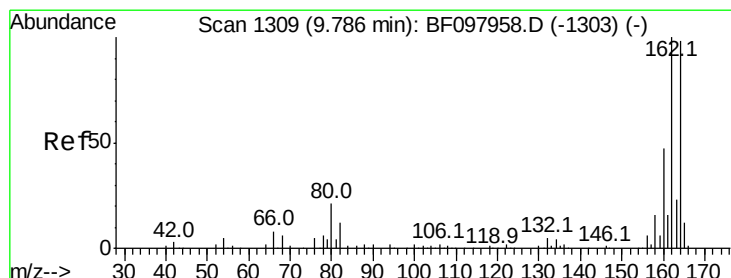
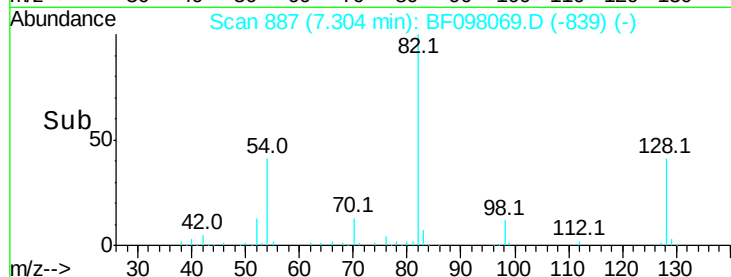
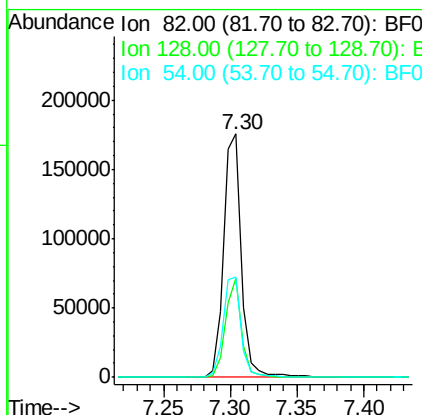
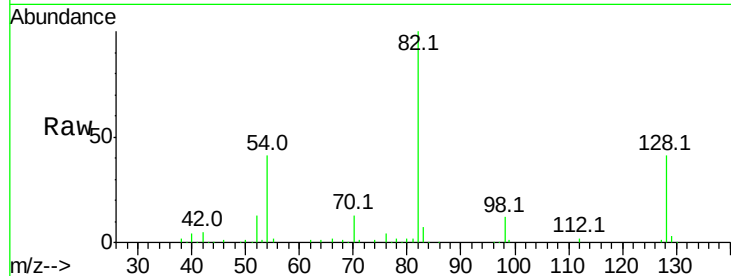




#23
 Nitrobenzene-d5
 Concen: 22.401 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF098069.D
 Acq: 28 Aug 2017 15:25

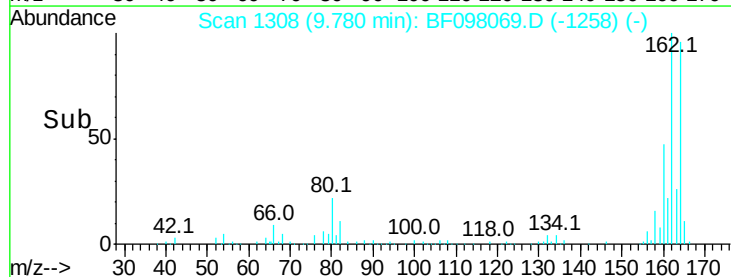
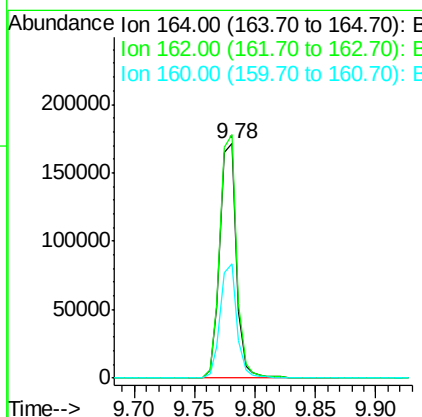
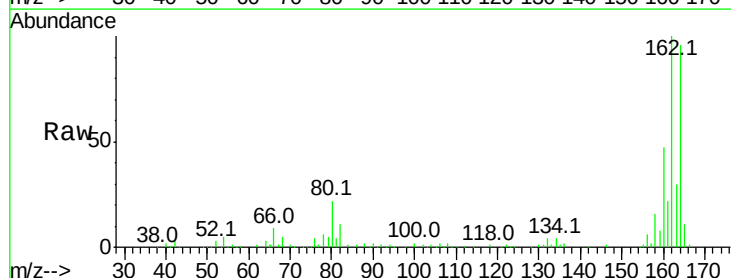
Instrument :
 BNA_F
 ClientSampleId :
 BU-01-082417-B

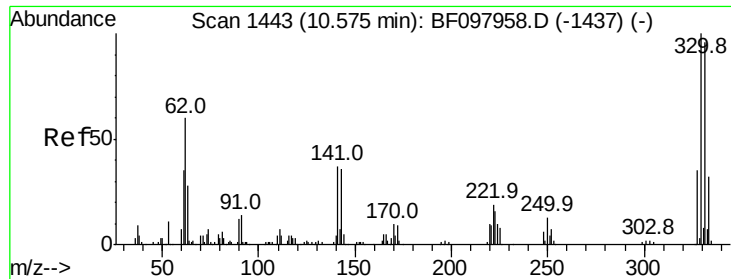
Tot Ion	82	Resp	165789
Ion Ratio	Lower	Upper	
82	100		
128	40.5	34.0	51.0
54	41.2	42.2	63.2#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF098069.D
 Acq: 28 Aug 2017 15:25

Tgt Ion	164	Resp	163952
Ion Ratio	Lower	Upper	
164	100		
162	103.9	82.6	123.8
160	48.8	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 26.398 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

BU-01-082417-B

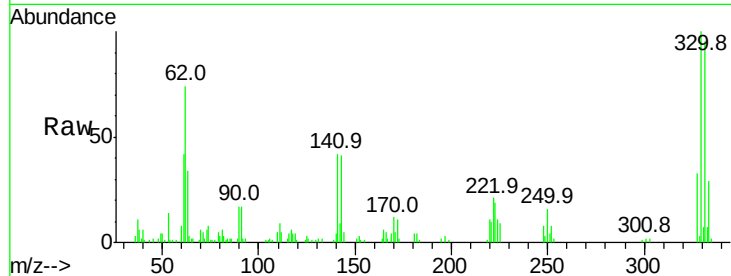
Tot Ion:330 Resp: 37553

Ion Ratio Lower Upper

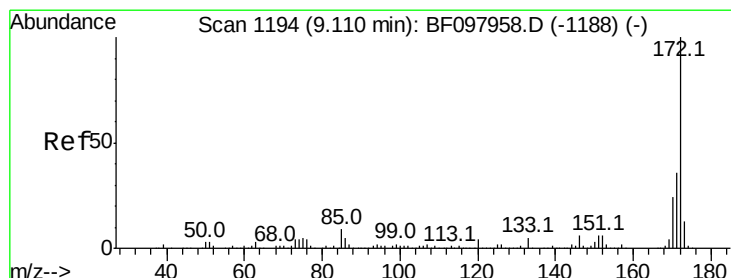
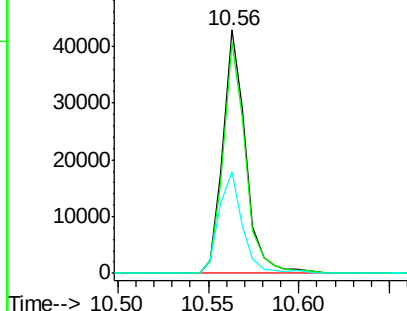
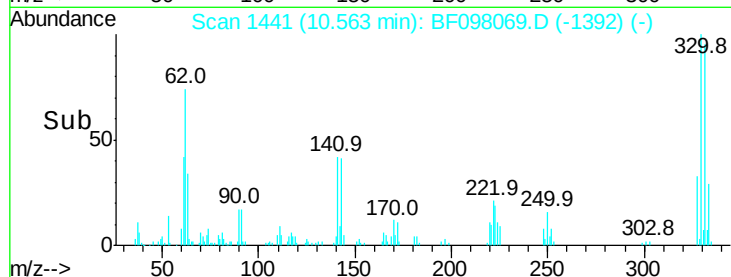
330 100

332 93.9 76.6 115.0

141 43.0 31.4 47.2



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: 22.998 ng

RT: 9.10 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

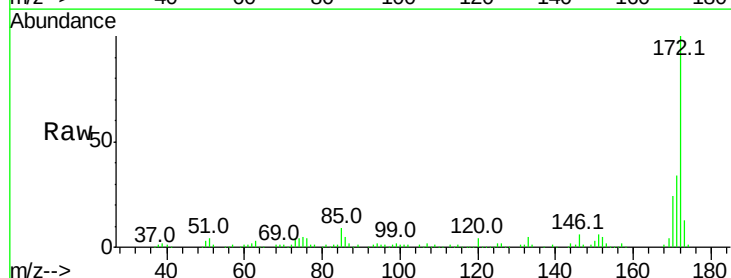
Tgt Ion:172 Resp: 256636

Ion Ratio Lower Upper

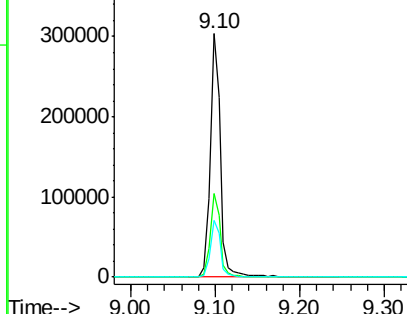
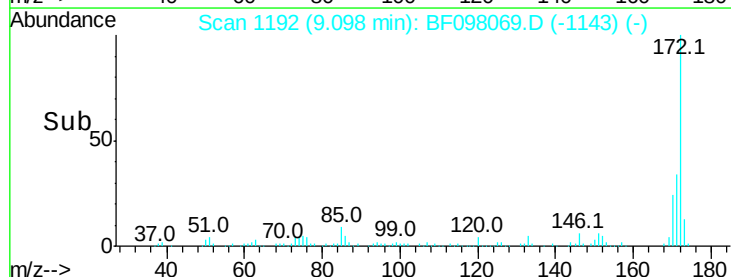
172 100

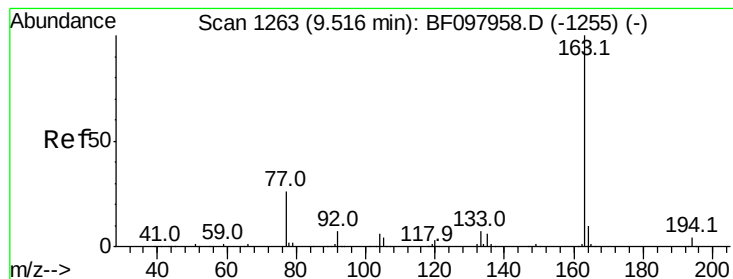
171 34.4 29.6 44.4

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: 2.510 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.02 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

BU-01-082417-B

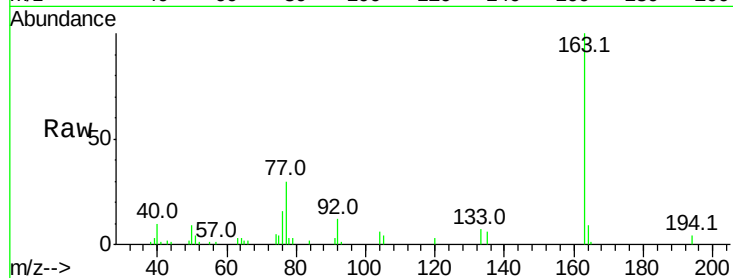
Tot Ion:163 Resp: 30077

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

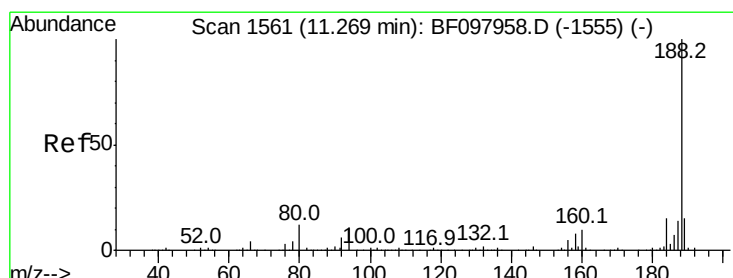
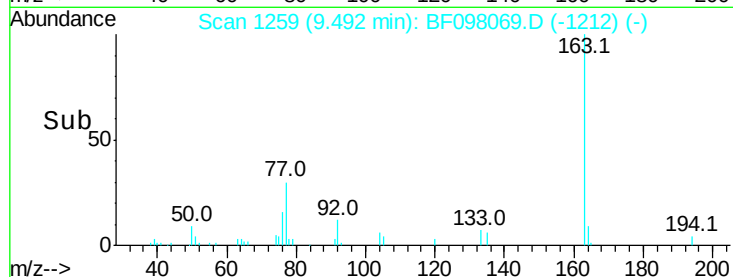
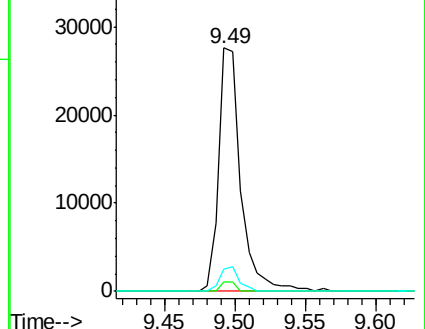
164 9.3 8.4 12.6



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

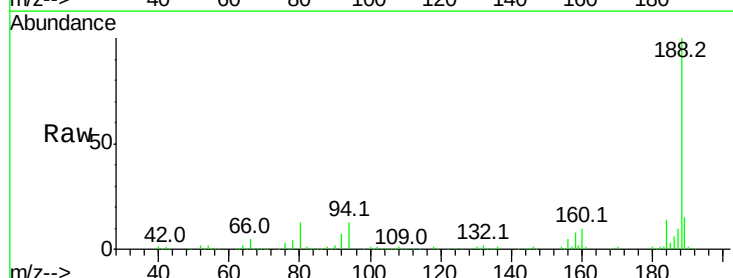
Tgt Ion:188 Resp: 266821

Ion Ratio Lower Upper

188 100

94 12.6 9.4 14.2

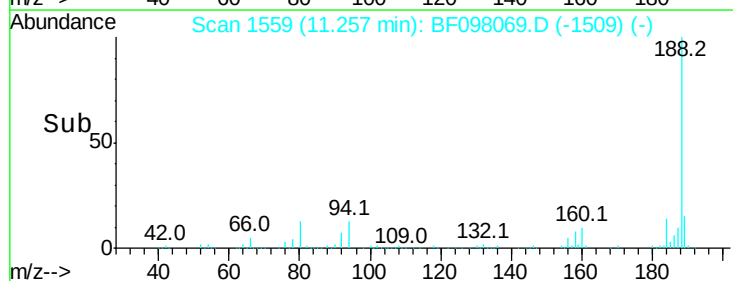
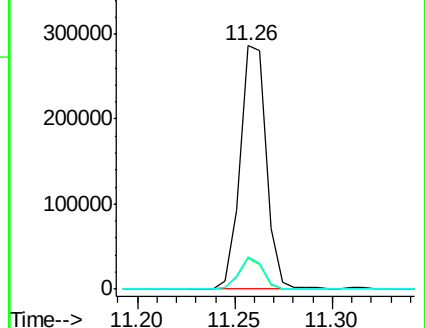
80 13.5 10.2 15.2

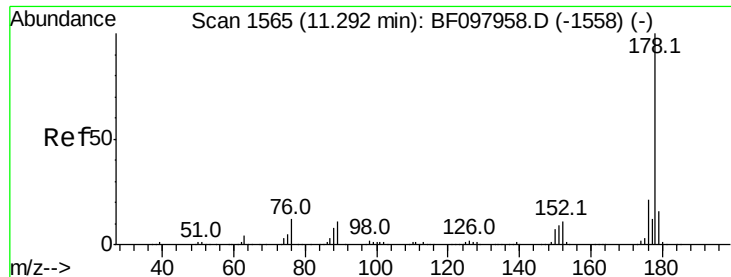


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

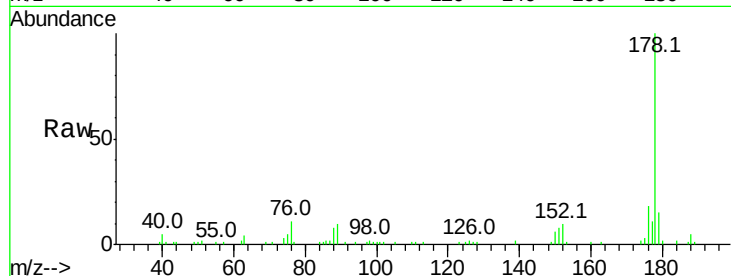




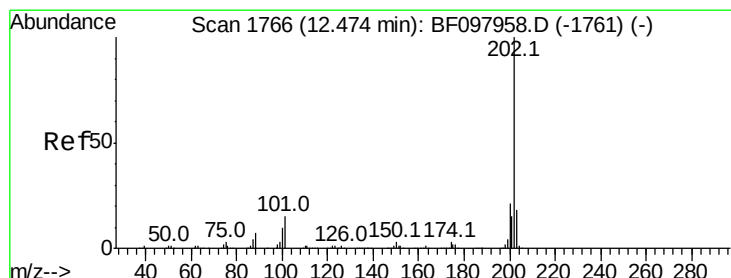
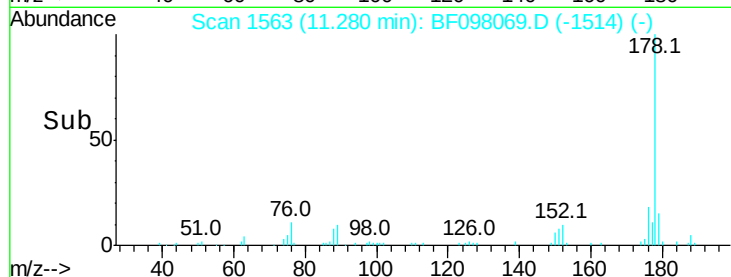
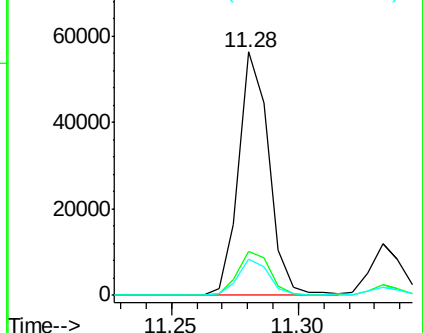
#70
Phenanthrene
Concen: 3.302 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF098069.D
Acq: 28 Aug 2017 15:25

Instrument :
BNA_F
ClientSampleId :
BU-01-082417-B

Tot Ion:178 Resp: 46948
Ion Ratio Lower Upper
178 100
176 18.2 16.2 24.4
179 14.8 12.6 19.0

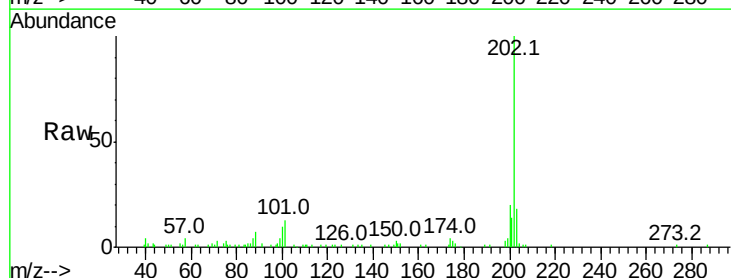


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

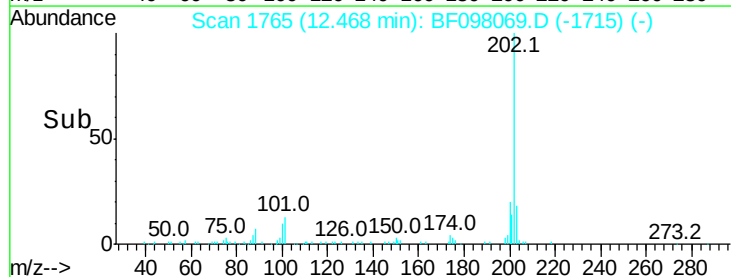
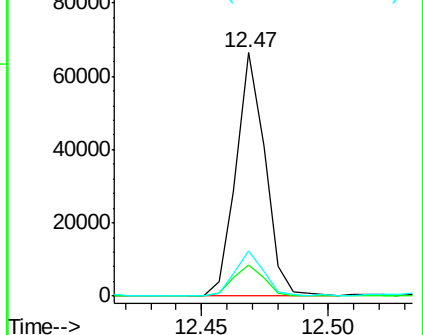


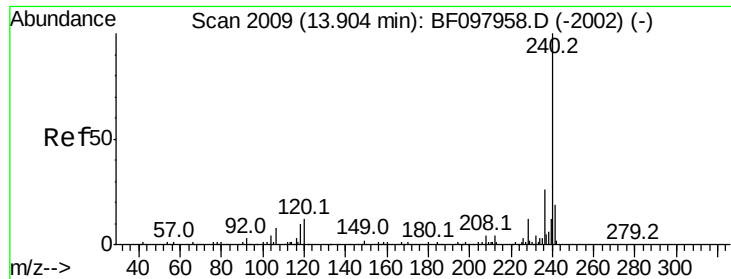
#74
Fluoranthene
Concen: 3.576 ng
RT: 12.47 min Scan# 1765
Delta R.T. -0.01 min
Lab File: BF098069.D
Acq: 28 Aug 2017 15:25

Tgt Ion:202 Resp: 53066
Ion Ratio Lower Upper
202 100
101 13.0 0.0 33.2
203 18.4 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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

Instrument :

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BU-01-082417-B

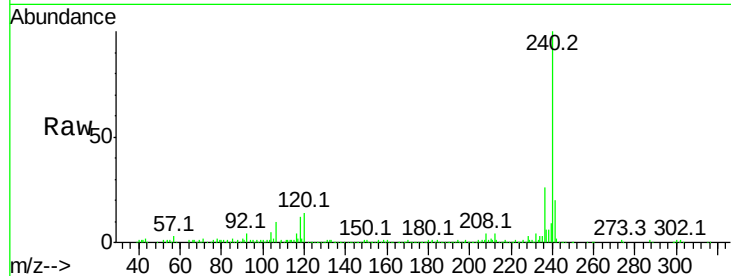
Tot Ion:240 Resp: 217730

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

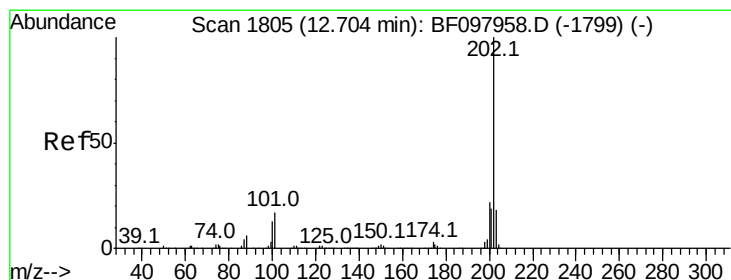
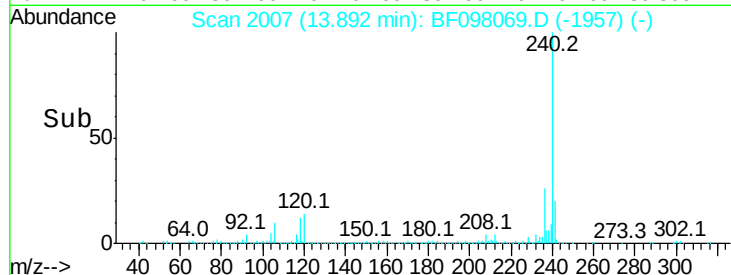
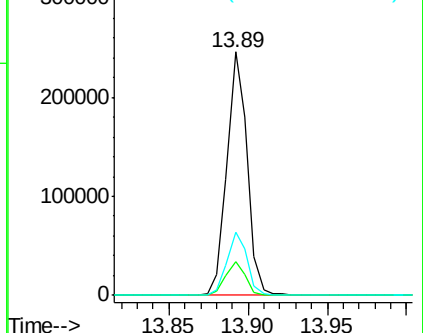
236 25.9 20.5 30.7



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: 2.407 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

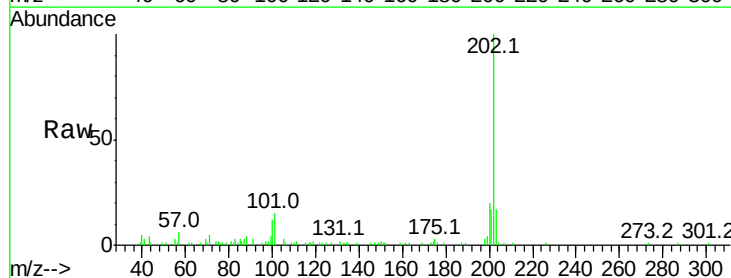
Tgt Ion:202 Resp: 42858

Ion Ratio Lower Upper

202 100

200 19.8 17.6 26.4

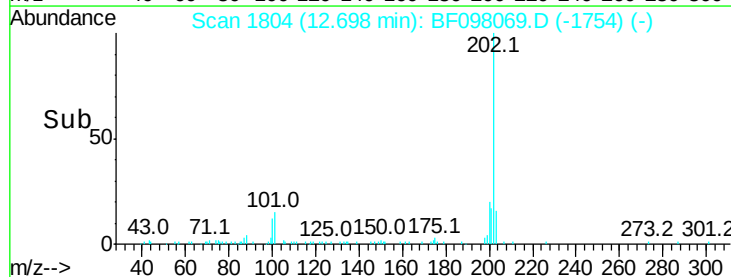
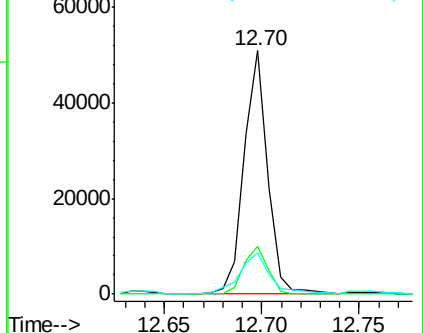
203 16.8 14.4 21.6

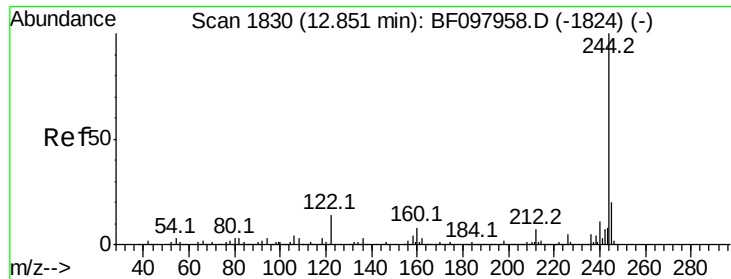


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.717 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

BU-01-082417-B

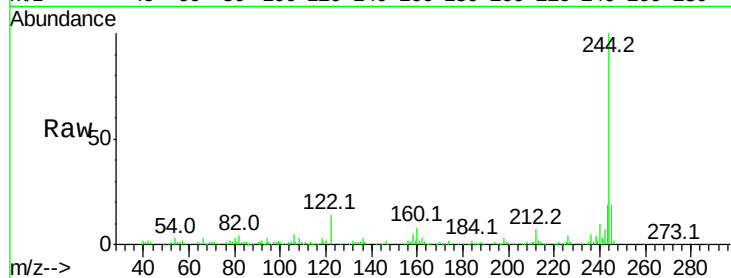
Tot Ion:244 Resp: 153656

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

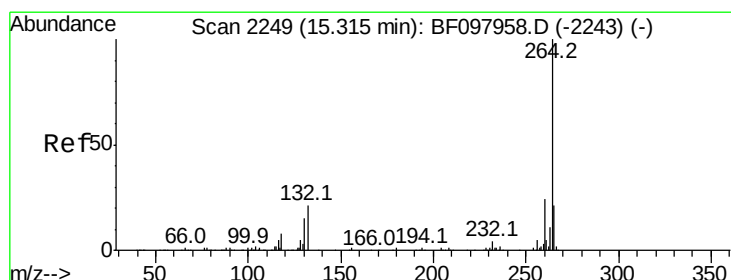
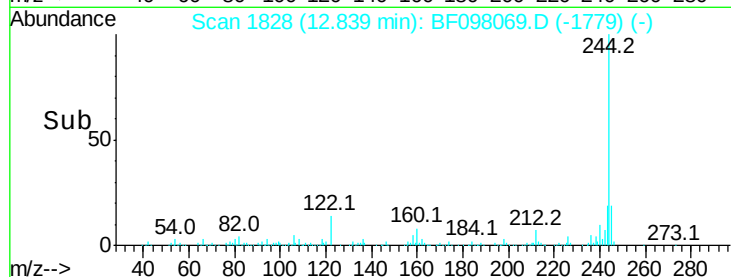
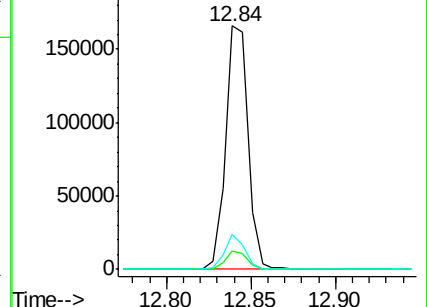
122 14.2 10.3 15.5



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: 15.32 min Scan# 2249

Delta R.T. 0.01 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

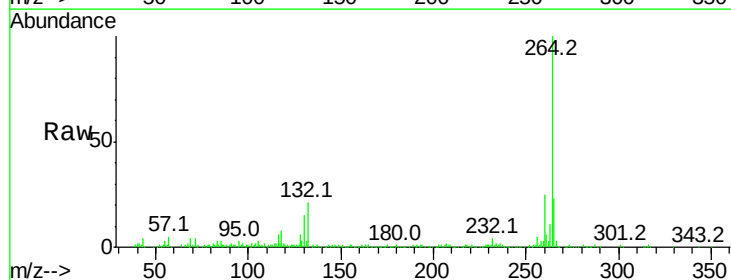
Tgt Ion:264 Resp: 176004

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

265 22.9 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

