

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020416\
 Data File : BF084852.D
 Acq On : 5 Feb 2016 2:15
 Operator : SJ/IZ
 Sample : H1320-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B013(15-17)

Quant Time: Feb 05 03:58:22 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

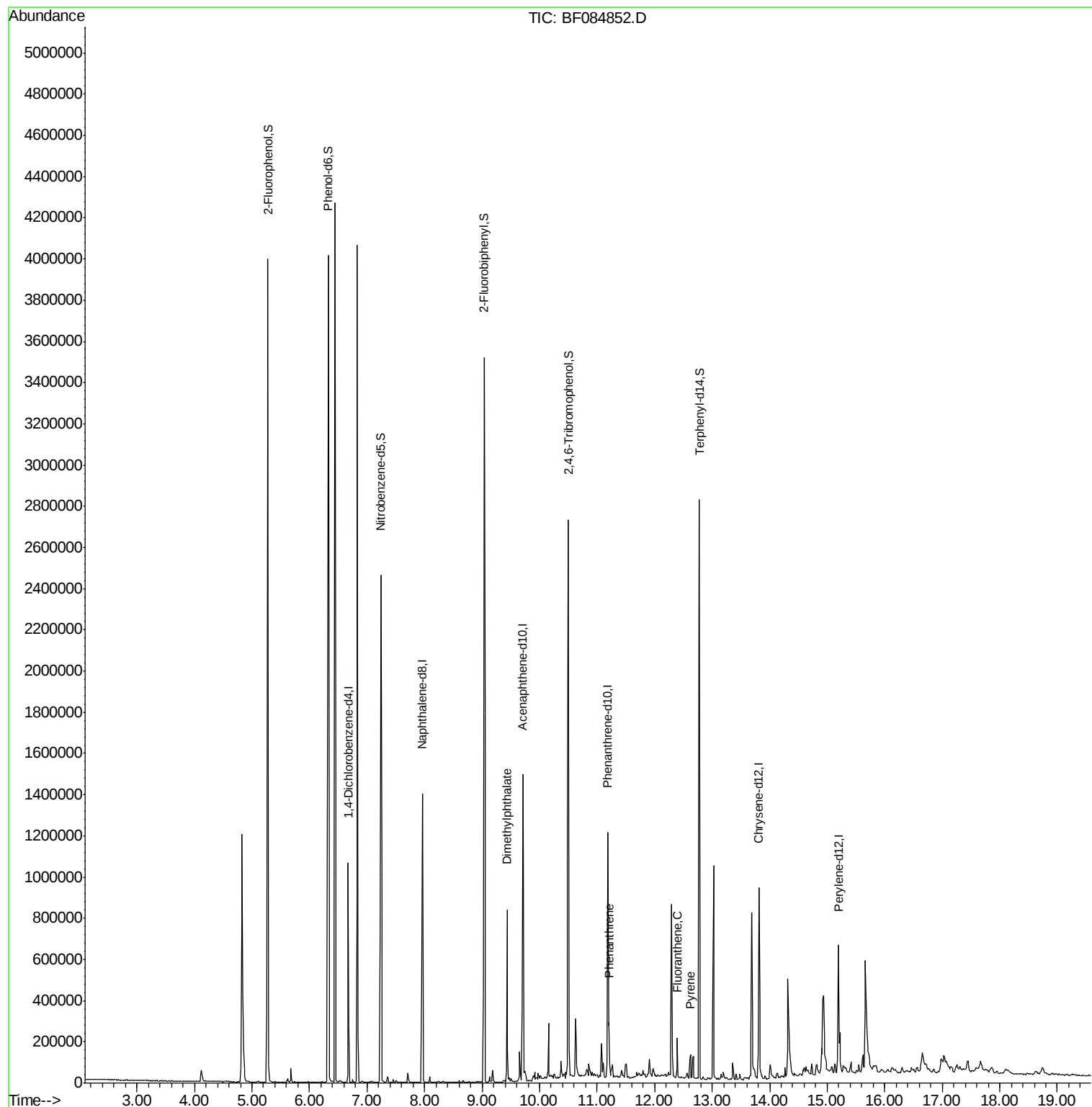
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	151838	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	658973	20.00	ng	-0.01
38) Acenaphthene-d10	9.71	164	280048	20.00	ng	-0.02
63) Phenanthrene-d10	11.18	188	404260	20.00	ng	-0.02
75) Chrysene-d12	13.81	240	319324	20.00	ng	-0.02
86) Perylene-d12	15.20	264	338760	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	1475253	151.34	ng	0.00
7) Phenol-d6	6.33	99	1527341	126.38	ng	-0.01
23) Nitrobenzene-d5	7.24	82	967576	82.71	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	323324	110.68	ng	-0.02
44) 2-Fluorobiphenyl	9.04	172	1349711	79.37	ng	-0.02
78) Terphenyl-d14	12.77	244	848496	60.21	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.44	163	297149	13.93	ng	Qvalue # 90
70) Phenanthrene	11.21	178	96645	4.31	ng	99
74) Fluoranthene	12.40	202	74416	3.28	ng	94
77) Pyrene	12.63	202	62840	2.57	ng	98

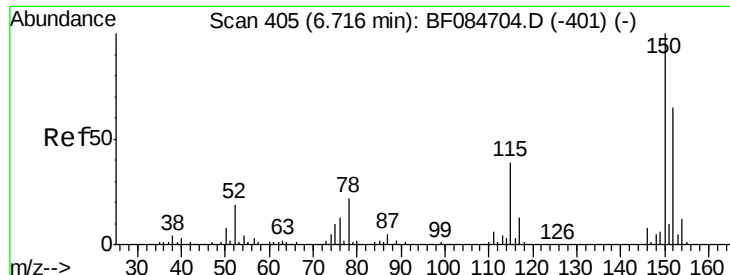
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF084852.D

Acq: 5 Feb 2016 2:15

Instrument :

BNA_F

ClientSampleId :

S4-B013(15-17)

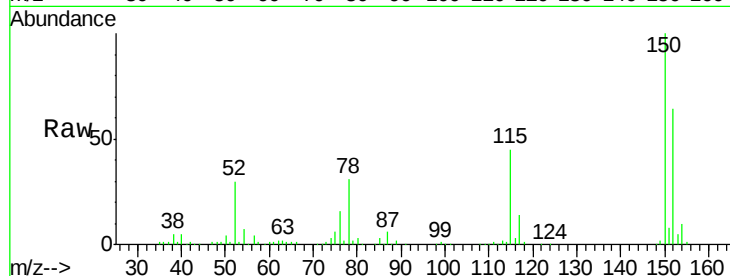
Tot Ion:152 Resp: 151838

Ion Ratio Lower Upper

152 100

150 157.2 123.0 184.4

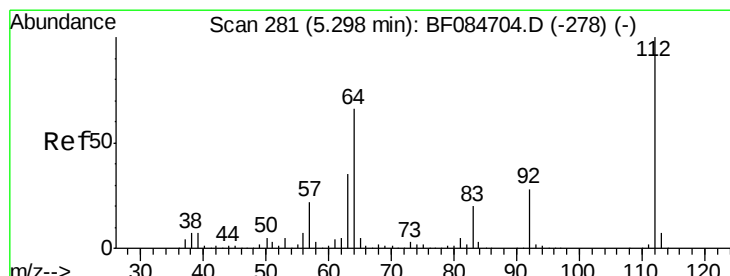
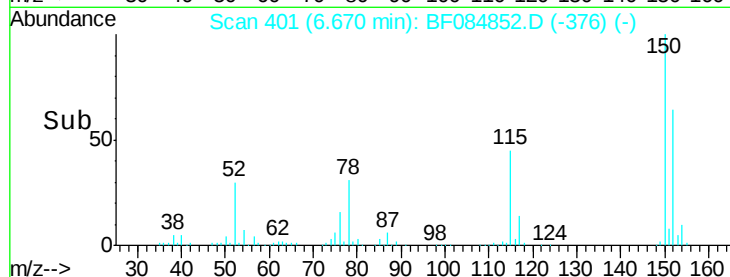
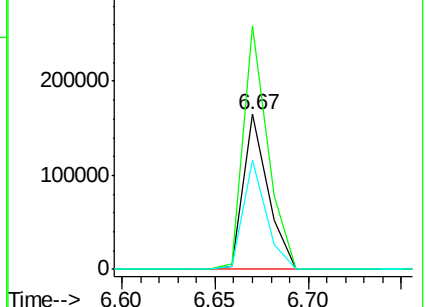
115 70.8 51.4 77.2



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



#5

2-Fluorophenol

Concen: 151.34 ng

RT: 5.28 min Scan# 279

Delta R.T. 0.00 min

Lab File: BF084852.D

Acq: 5 Feb 2016 2:15

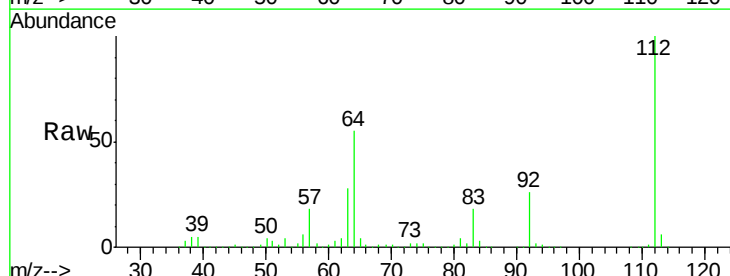
Tgt Ion:112 Resp: 1475253

Ion Ratio Lower Upper

112 100

64 54.9 36.6 55.0

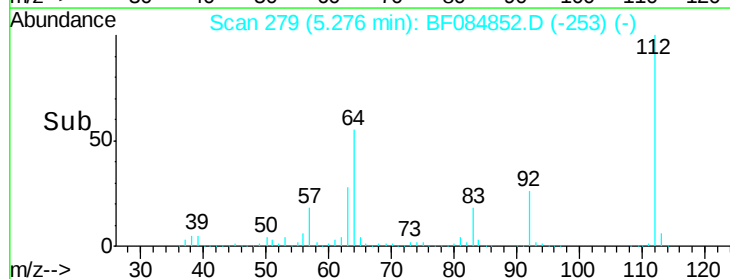
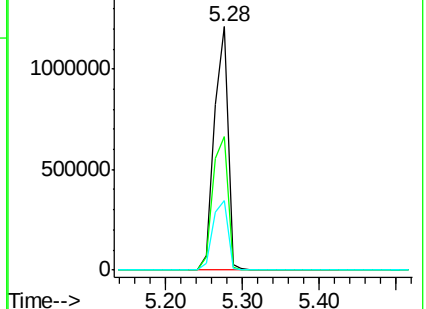
63 28.4 19.4 29.0



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: 126.38 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF084852.D

Acq: 5 Feb 2016 2:15

Instrument :

BNA_F

ClientSampleId :

S4-B013(15-17)

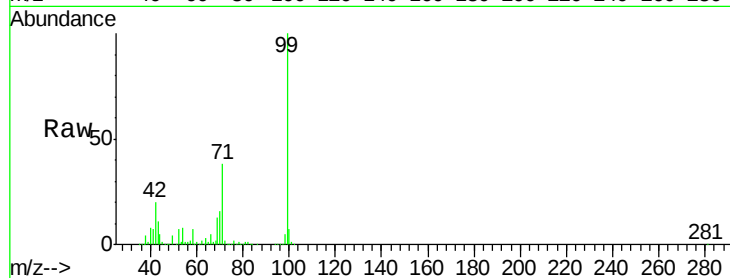
Tot Ion: 99 Resp: 1527341

Ion Ratio Lower Upper

99 100

42 20.4 12.8 19.2#

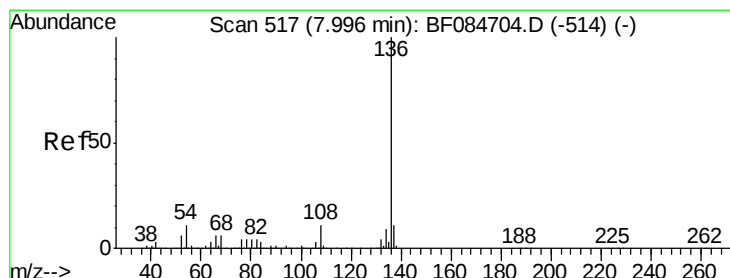
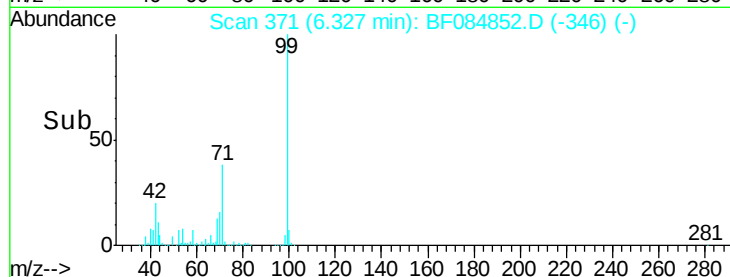
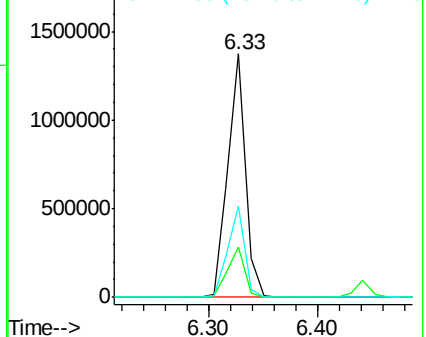
71 37.6 30.9 46.3



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: 20.00 ng

RT: 7.96 min Scan# 514

Delta R.T. -0.01 min

Lab File: BF084852.D

Acq: 5 Feb 2016 2:15

Tgt Ion: 136 Resp: 658973

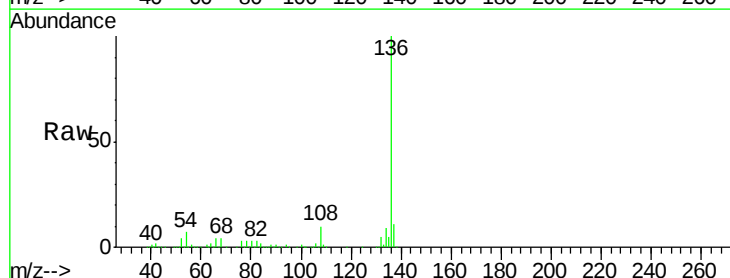
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 6.9 5.8 8.8

68 4.1 4.2 6.2#

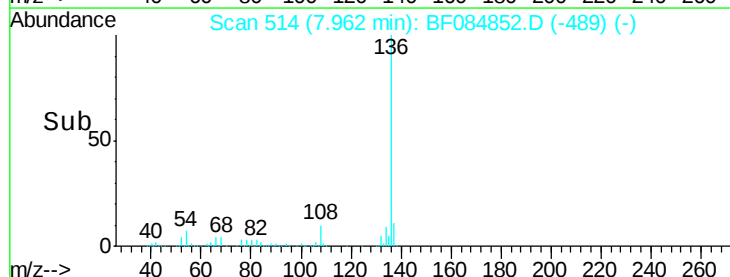
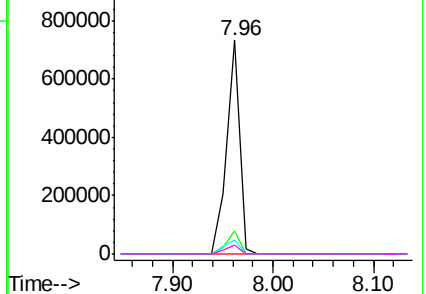


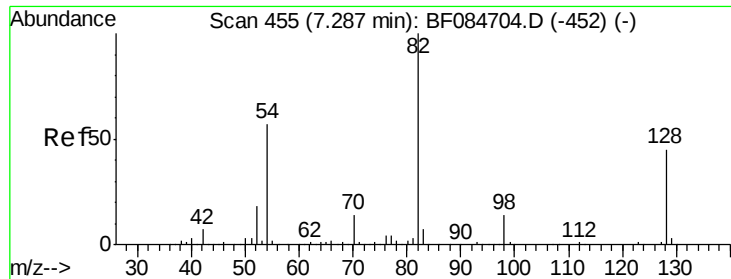
Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.71 ng

RT: 7.24 min Scan# 451

Delta R.T. -0.02 min

Lab File: BF084852.D

Acq: 5 Feb 2016 2:15

Instrument :

BNA_F

ClientSampleId :

S4-B013(15-17)

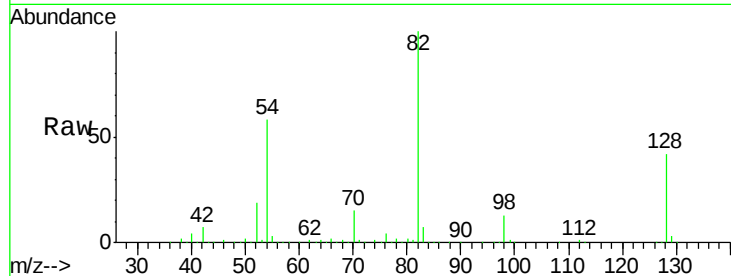
Tot Ion: 82 Resp: 967576

Ion Ratio Lower Upper

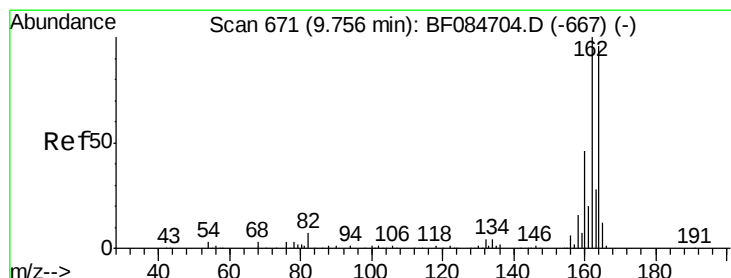
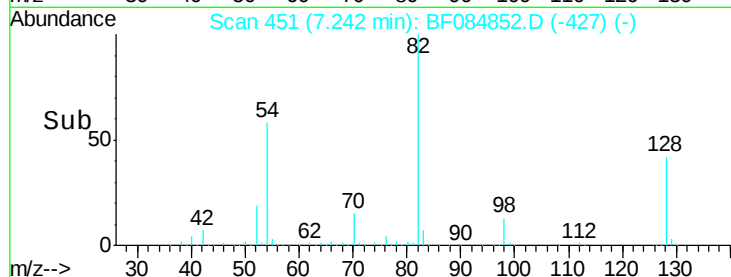
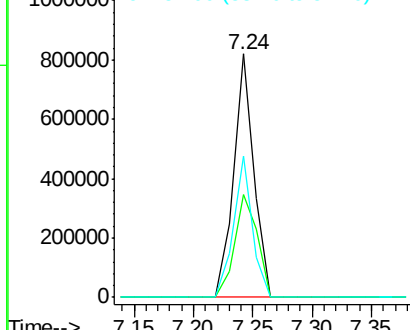
82 100

128 42.3 34.6 51.8

54 57.9 38.4 57.6#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.71 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF084852.D

Acq: 5 Feb 2016 2:15

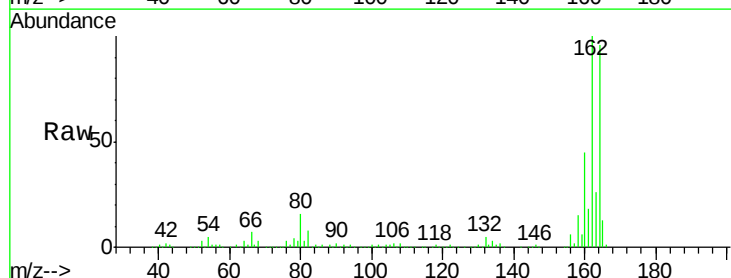
Tgt Ion:164 Resp: 280048

Ion Ratio Lower Upper

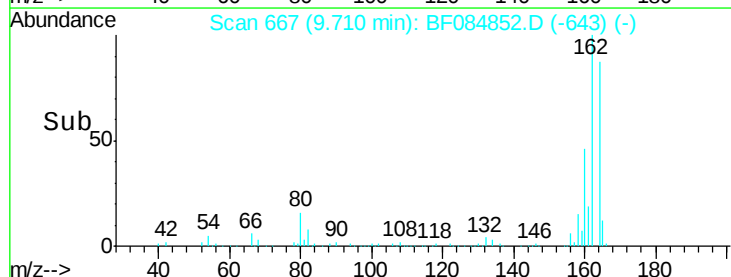
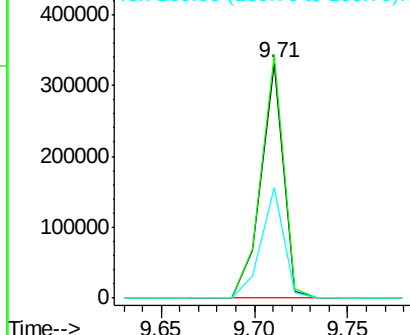
164 100

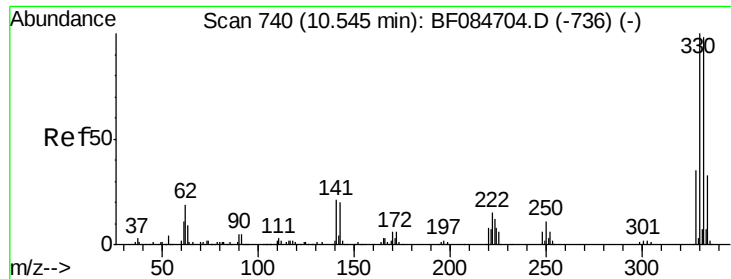
162 103.8 85.1 127.7

160 47.0 37.5 56.3



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

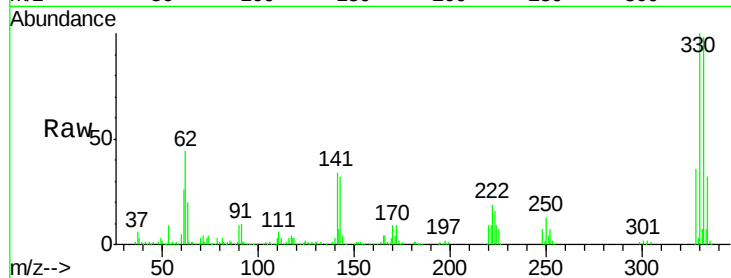




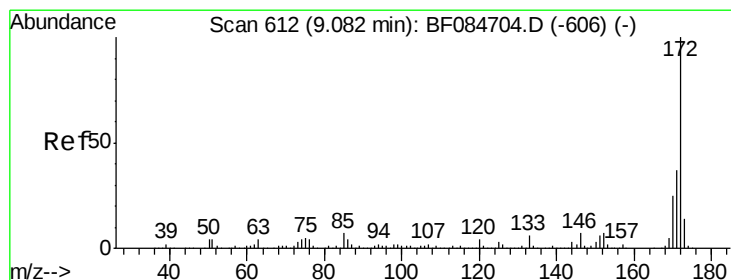
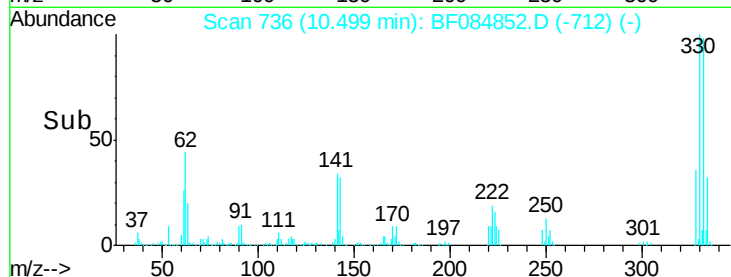
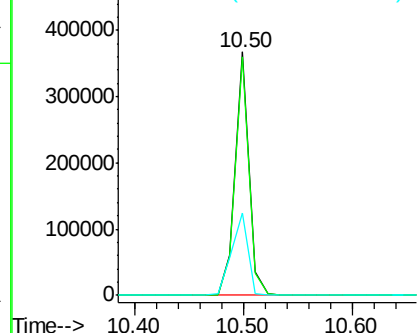
#41
 2,4,6-Tribromophenol
 Concen: 110.68 ng
 RT: 10.50 min Scan# 736
 Delta R.T. -0.02 min
 Lab File: BF084852.D
 Acq: 5 Feb 2016 2:15

Instrument :
 BNA_F
 ClientSampleId :
 S4-B013(15-17)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	114.8
141	39.4	27.8	41.6

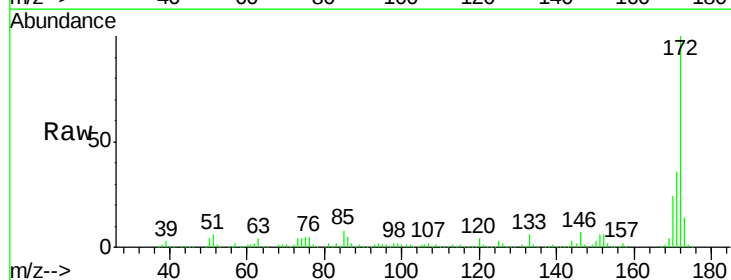


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

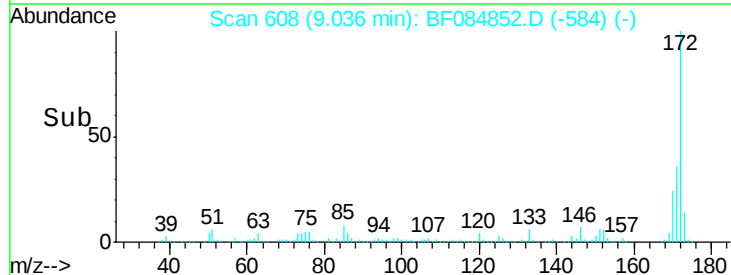
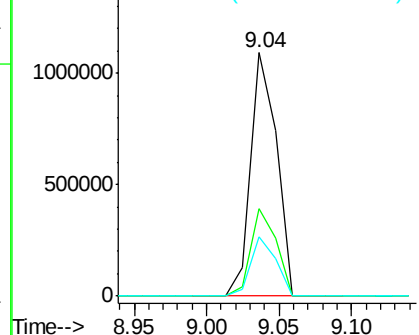


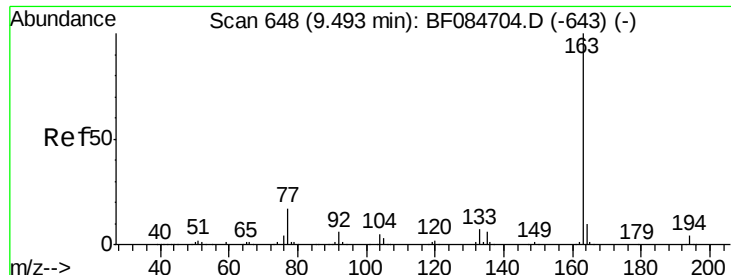
#44
 2-Fluorobiphenyl
 Concen: 79.37 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.02 min
 Lab File: BF084852.D
 Acq: 5 Feb 2016 2:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.9	43.3
170	24.3	18.6	27.8



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

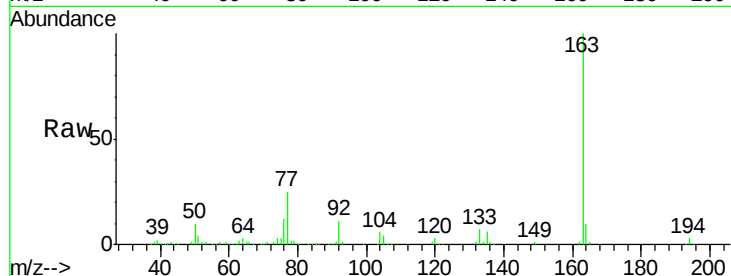




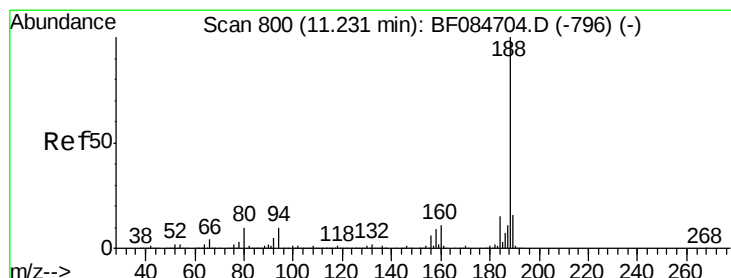
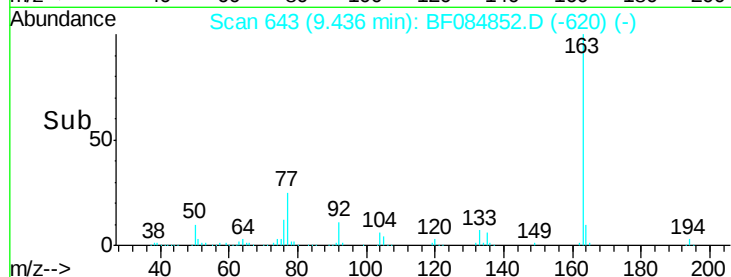
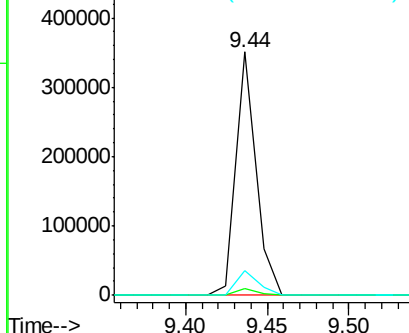
#49
Dimethylphthalate
Concen: 13.93 ng
RT: 9.44 min Scan# 643
Delta R.T. -0.03 min
Lab File: BF084852.D
Acq: 5 Feb 2016 2:15

Instrument :
BNA_F
ClientSampleId :
S4-B013(15-17)

Tot Ion	Ratio	Lower	Upper
163	100		
194	2.7	8.0	12.0#
164	10.1	8.0	12.0

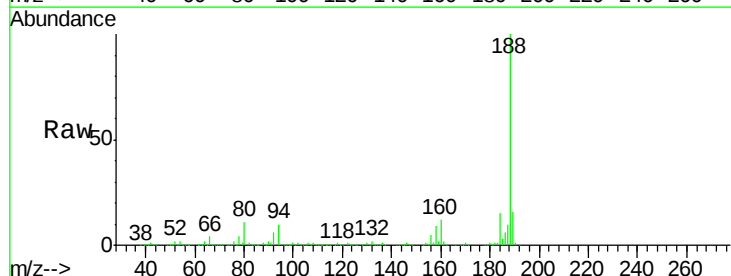


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

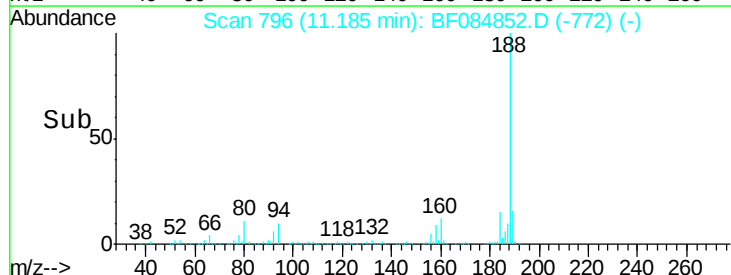
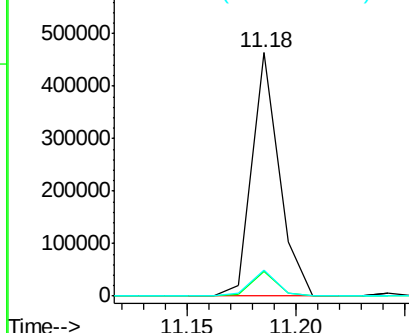


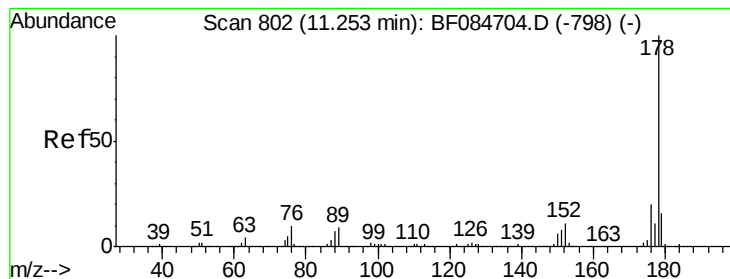
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF084852.D
Acq: 5 Feb 2016 2:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.0	13.4
80	10.8	9.6	14.4



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: 4.31 ng

RT: 11.21 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF084852.D

Acq: 5 Feb 2016 2:15

Instrument :

BNA_F

ClientSampleId :

S4-B013(15-17)

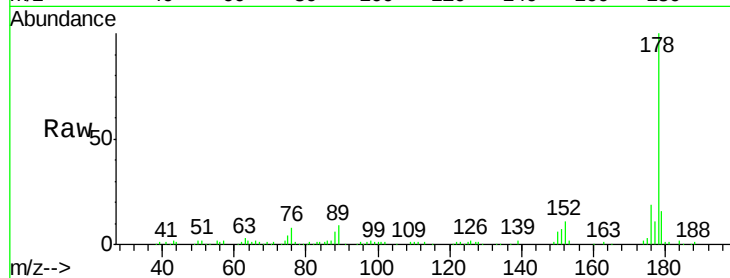
Tot Ion:178 Resp: 96645

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

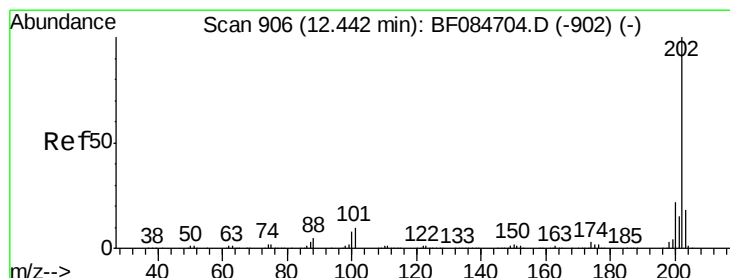
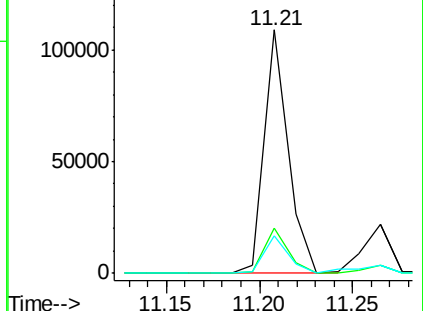
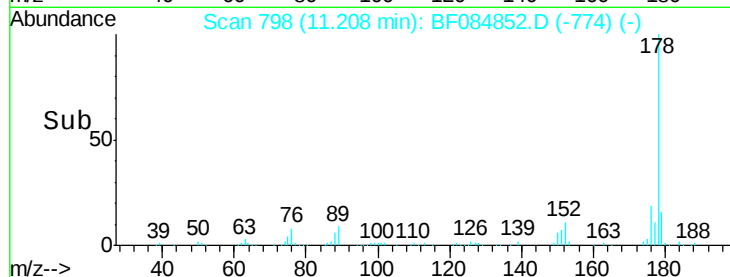
179 15.6 12.0 18.0



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: 3.28 ng

RT: 12.40 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF084852.D

Acq: 5 Feb 2016 2:15

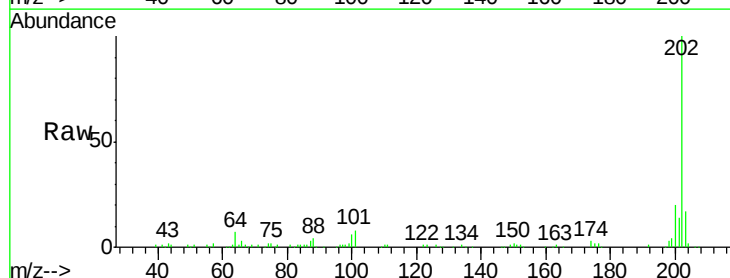
Tgt Ion:202 Resp: 74416

Ion Ratio Lower Upper

202 100

101 8.0 0.0 32.8

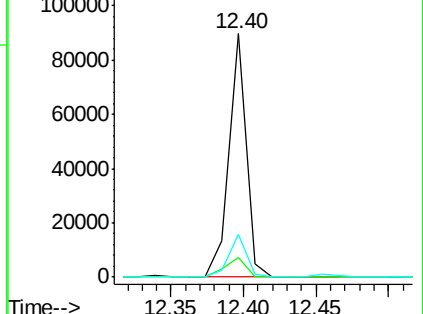
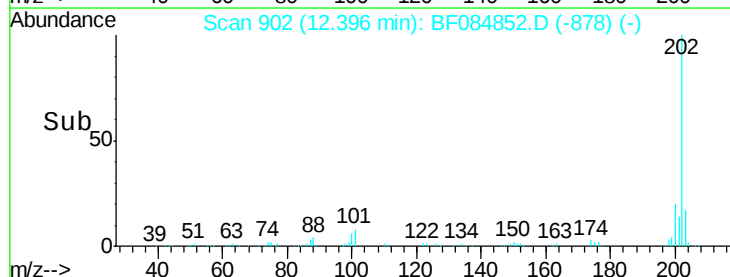
203 17.3 0.0 37.9

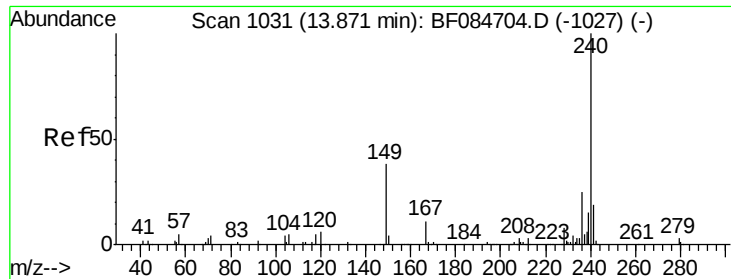


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.81 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BF084852.D

Acq: 5 Feb 2016 2:15

Instrument :

BNA_F

ClientSampleId :

S4-B013(15-17)

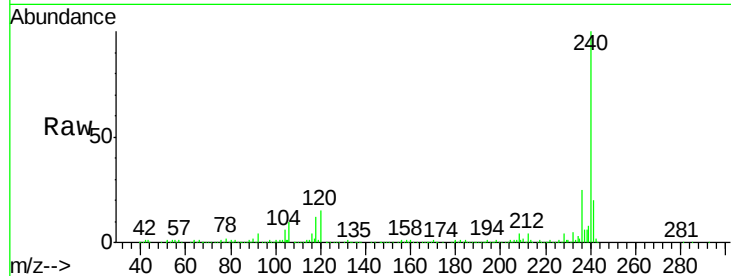
Tot Ion:240 Resp: 319324

Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

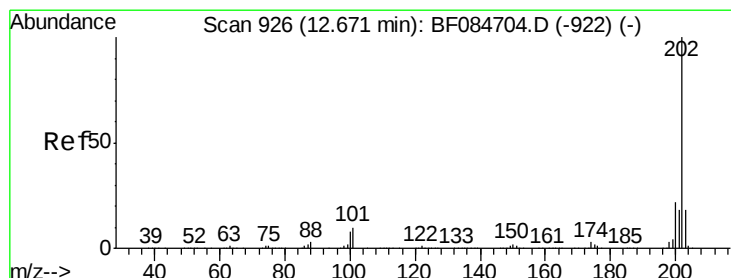
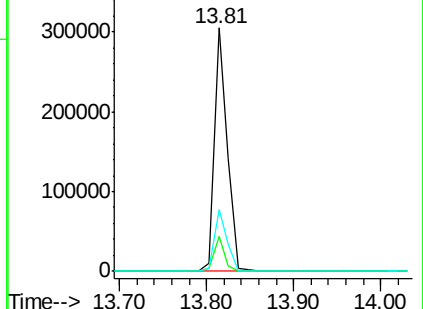
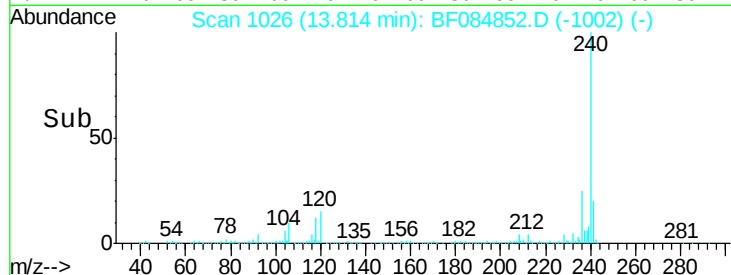
236 25.2 20.6 31.0



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: 2.57 ng

RT: 12.63 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF084852.D

Acq: 5 Feb 2016 2:15

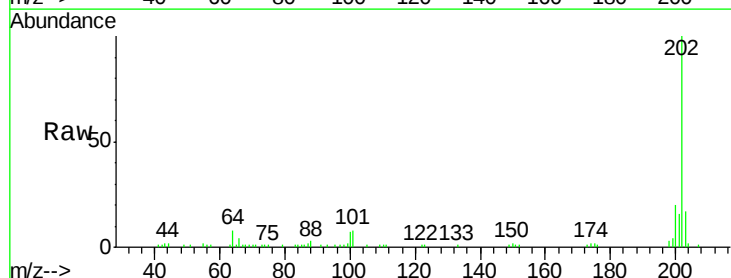
Tgt Ion:202 Resp: 62840

Ion Ratio Lower Upper

202 100

200 20.5 17.2 25.8

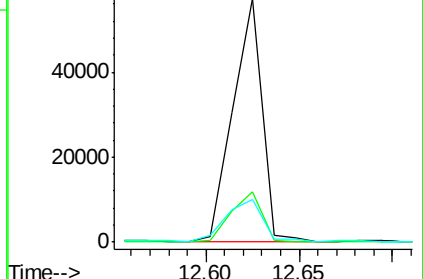
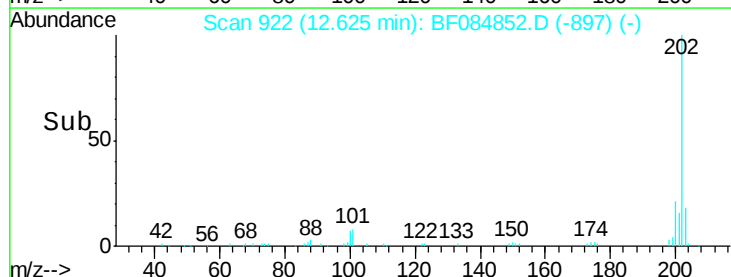
203 17.4 14.3 21.5

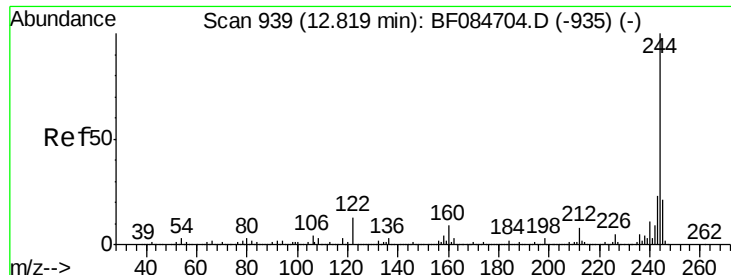


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.21 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF084852.D

Acq: 5 Feb 2016 2:15

Instrument :

BNA_F

ClientSampleId :

S4-B013(15-17)

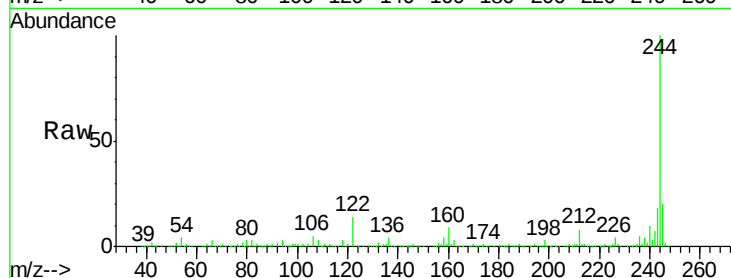
Tot Ion:244 Resp: 848496

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

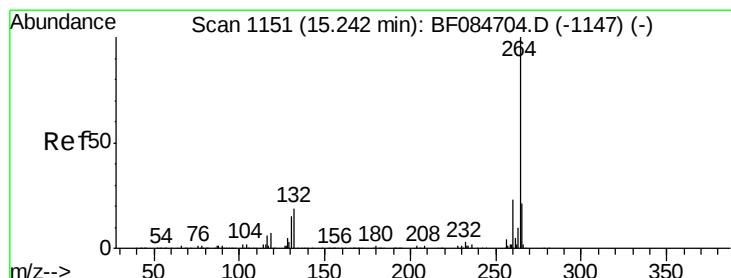
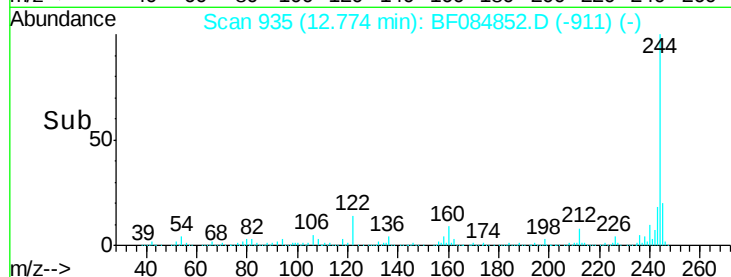
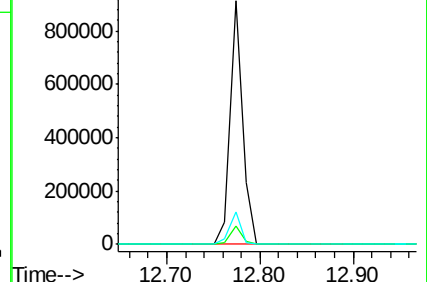
122 13.5 7.4 11.0#



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: 20.00 ng

RT: 15.20 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF084852.D

Acq: 5 Feb 2016 2:15

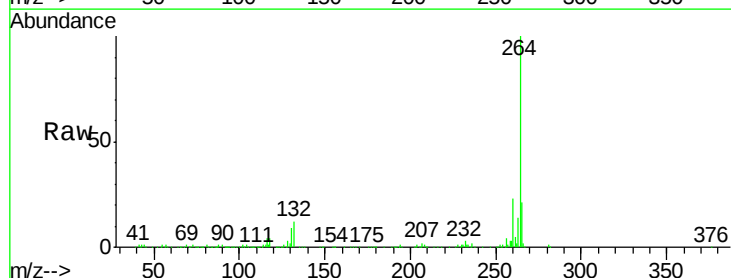
Tgt Ion:264 Resp: 338760

Ion Ratio Lower Upper

264 100

260 23.1 19.4 29.2

265 21.2 17.8 26.6



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

