

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
 Data File : BF075563.D
 Acq On : 16 Nov 2014 1:40
 Operator : TP / JJ
 Sample : F4592-03
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T3

Quant Time: Nov 17 15:03:57 2014
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 17 01:17:49 2014
 Response via : Initial Calibration

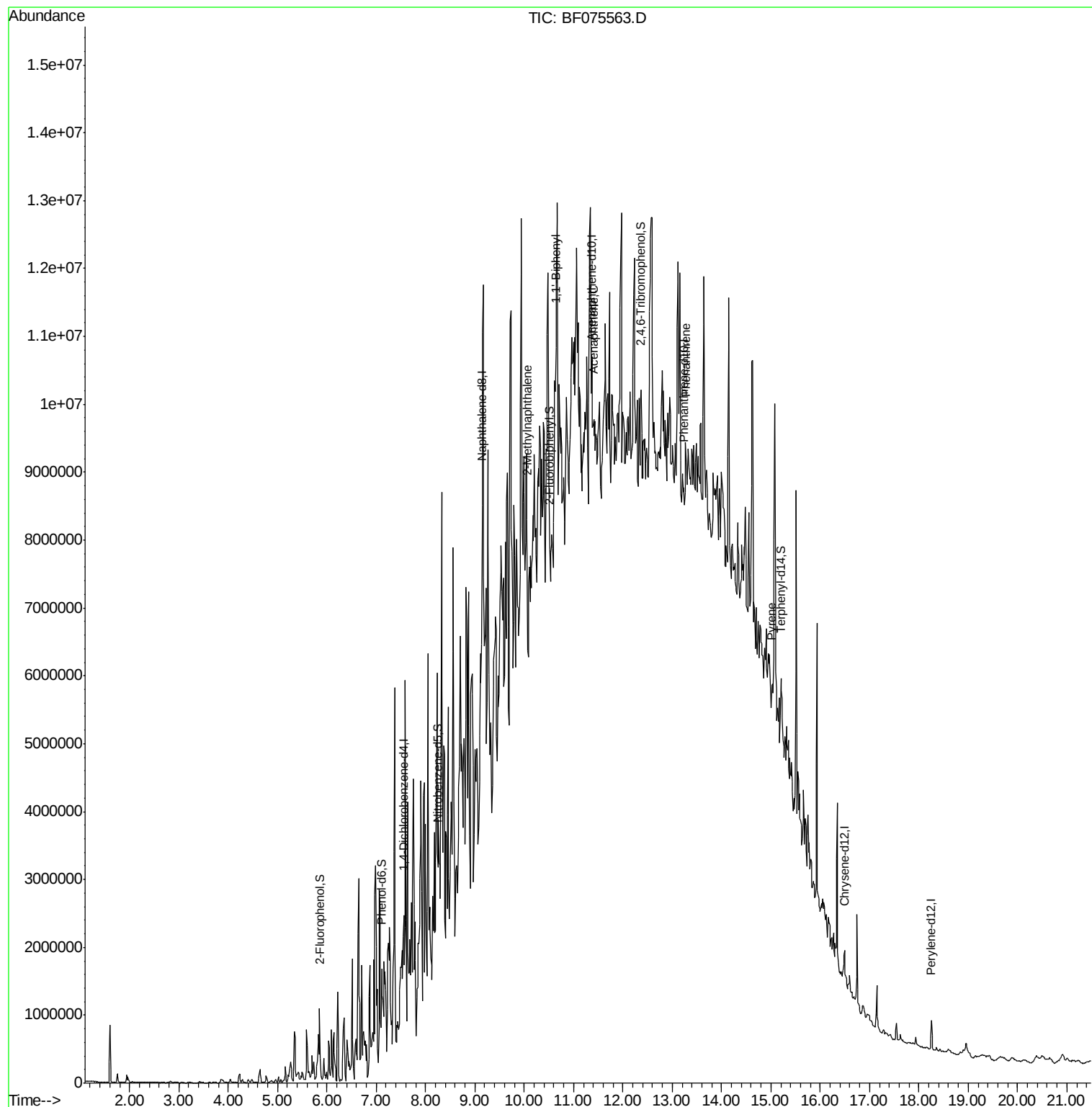
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	52685	20.00	ng	0.00
21) Naphthalene-d8	9.14	136	134641	20.00	ng	0.01
38) Acenaphthene-d10	11.36	164	70787	20.00	ng	0.05
63) Phenanthrene-d10	13.24	188	114779	20.00	ng	0.08
75) Chrysene-d12	16.49	240	192647	20.00	ng	0.02
86) Perylene-d12	18.25	264	207639	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	300171	100.65	ng	0.01
7) Phenol-d6	7.11	99	360598	100.55	ng	0.01
23) Nitrobenzene-d5	8.25	82	318695	173.54	ng	0.01
41) 2,4,6-Tribromophenol	12.37	330	47130	79.49	ng	0.07
44) 2-Fluorobiphenyl	10.52	172	242198	61.83	ng	0.03
78) Terphenyl-d14	15.20	244	281166	39.29	ng	0.05
Target Compounds						
37) 2-Methylnaphthalene	10.06	142	241059	58.86	ng	Qvalue # 91
45) 1,1'-Biphenyl	10.64	154	87039	18.23	ng	88
51) Acenaphthene	11.41	154	146169	39.34	ng	# 88
70) Phenanthrene	13.27	178	543098	89.91	ng	# 81
77) Pyrene	15.02	202	414523	37.01	ng	# 93

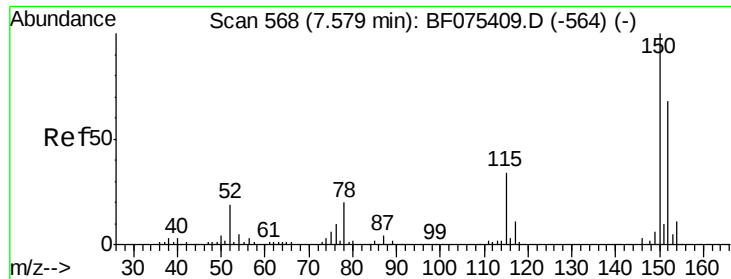
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 566

Delta R.T. -0.00 min

Lab File: BF075563.D

Acq: 16 Nov 2014 1:40

Instrument :

BNA_F

ClientSampleId :

T3

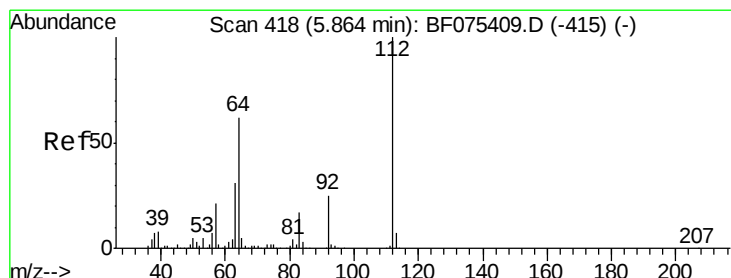
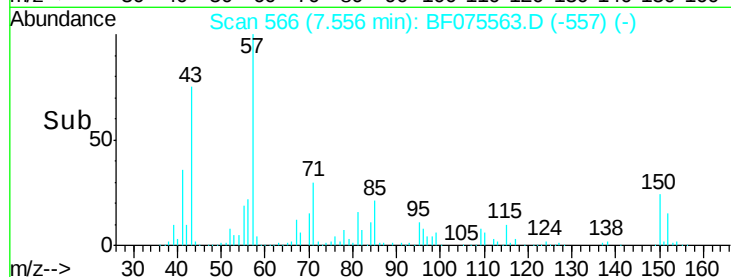
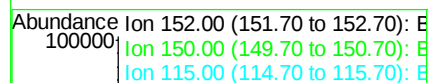
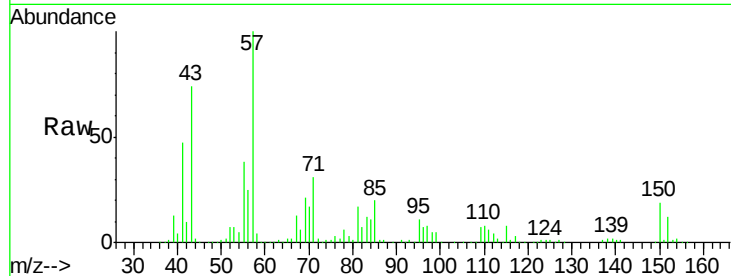
Tgt Ion:152 Resp: 52685

Ion Ratio Lower Upper

152 100

150 156.0 127.2 190.8

115 68.6 57.1 85.7



#5

2-Fluorophenol

Concen: 100.65 ng

RT: 5.85 min Scan# 417

Delta R.T. 0.01 min

Lab File: BF075563.D

Acq: 16 Nov 2014 1:40

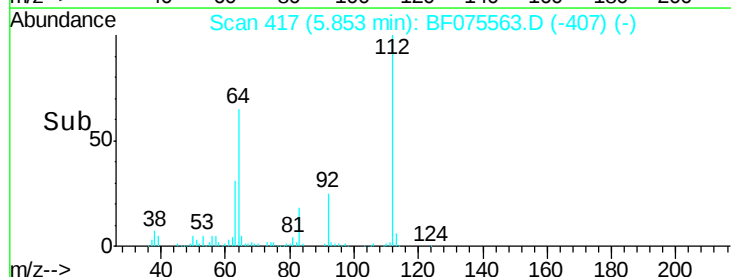
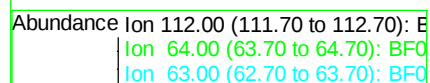
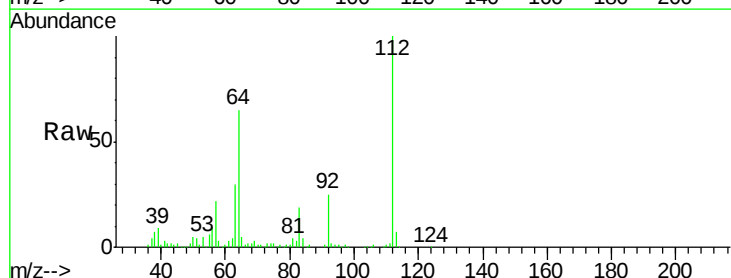
Tgt Ion:112 Resp: 300171

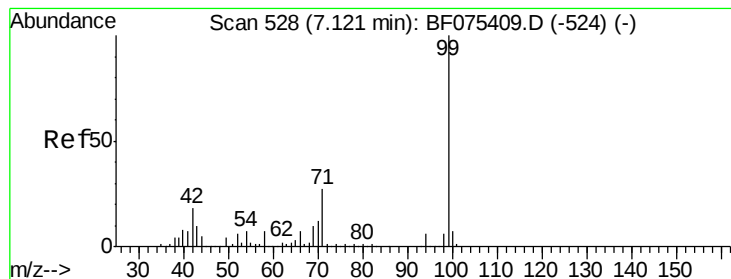
Ion Ratio Lower Upper

112 100

64 64.7 45.8 68.6

63 30.5 22.7 34.1





#7

Phenol-d6

Concen: 100.55 ng

RT: 7.11 min Scan# 527

Delta R.T. 0.01 min

Lab File: BF075563.D

Acq: 16 Nov 2014 1:40

Instrument :

BNA_F

ClientSampleId :

T3

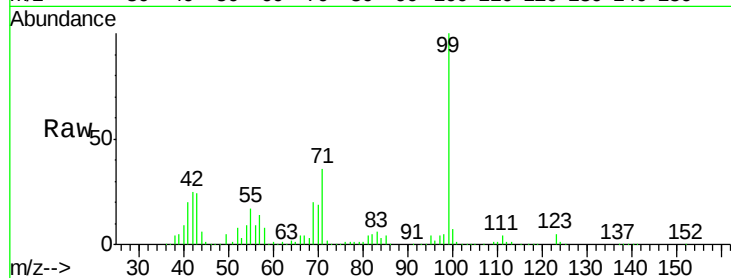
Tgt Ion: 99 Resp: 360598

Ion Ratio Lower Upper

99 100

42 24.8 19.8 29.6

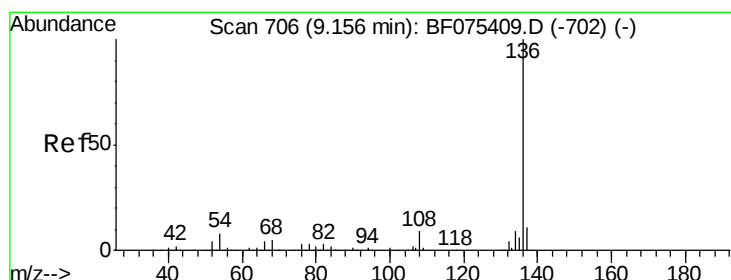
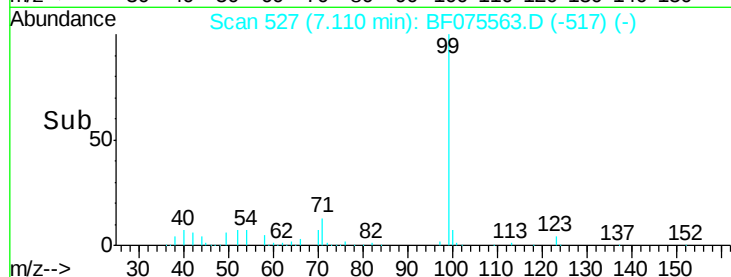
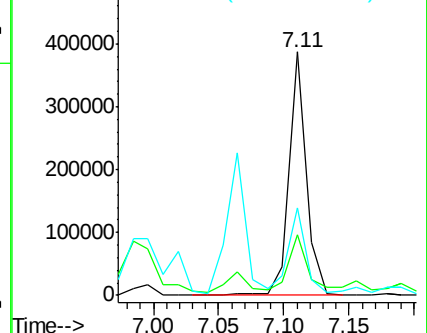
71 35.9 25.5 38.3



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: 9.14 min Scan# 705

Delta R.T. 0.01 min

Lab File: BF075563.D

Acq: 16 Nov 2014 1:40

Tgt Ion: 136 Resp: 134641

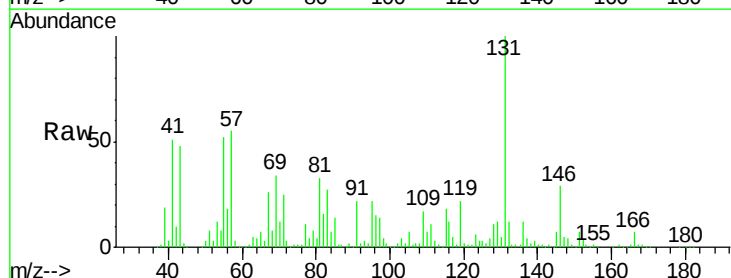
Ion Ratio Lower Upper

136 100

137 31.8 8.2 12.4#

54 68.4 6.2 9.4#

68 66.8 3.4 5.2#

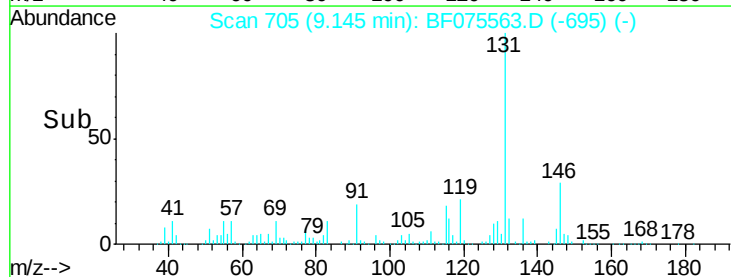
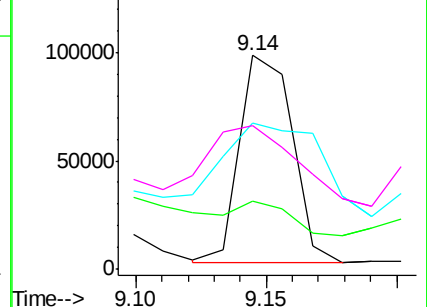


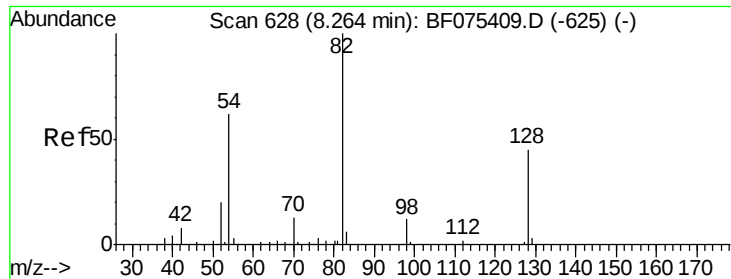
Abundance Ion 136.00 (135.70 to 136.70): E

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

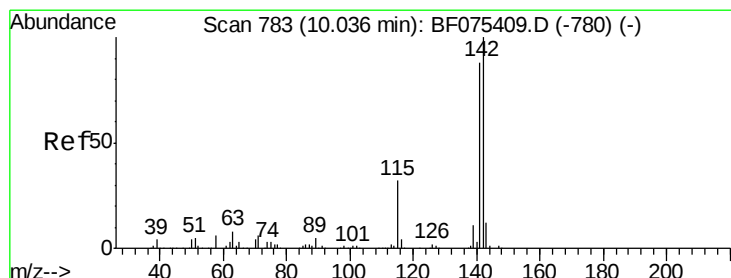
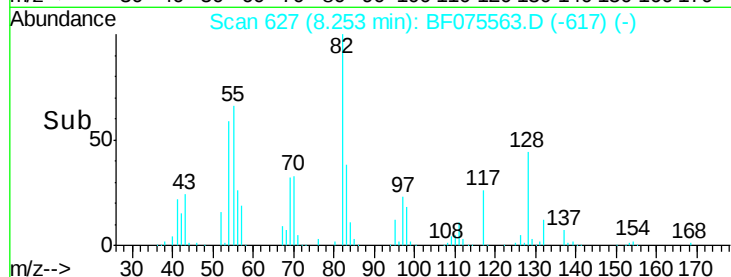
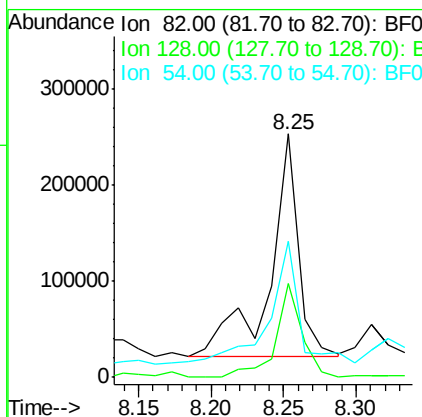
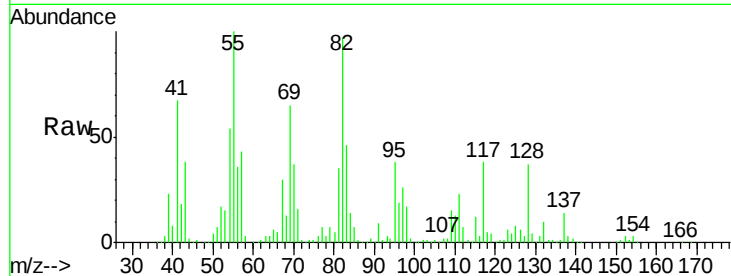




#23
 Nitrobenzene-d5
 Concen: 173.54 ng
 RT: 8.25 min Scan# 627
 Delta R.T. 0.01 min
 Lab File: BF075563.D
 Acq: 16 Nov 2014 1:40

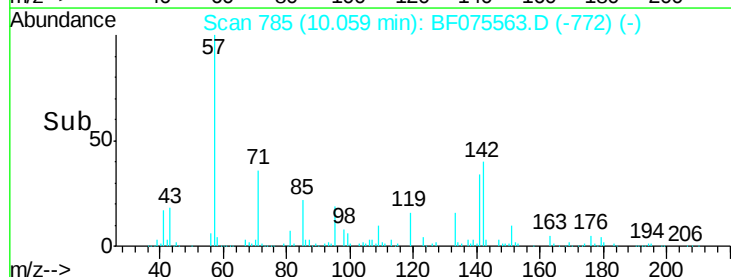
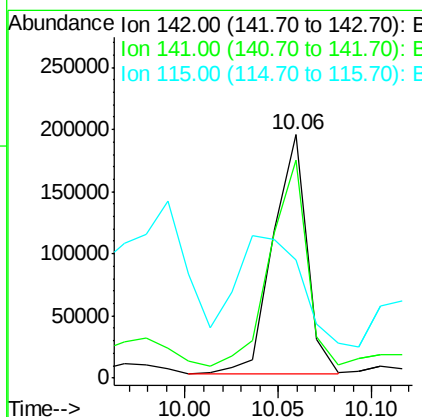
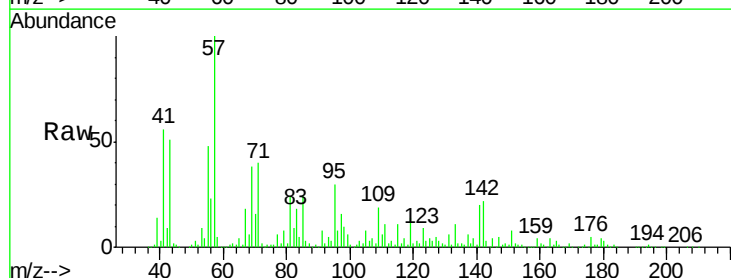
Instrument :
 BNA_F
 ClientSampleId :
 T3

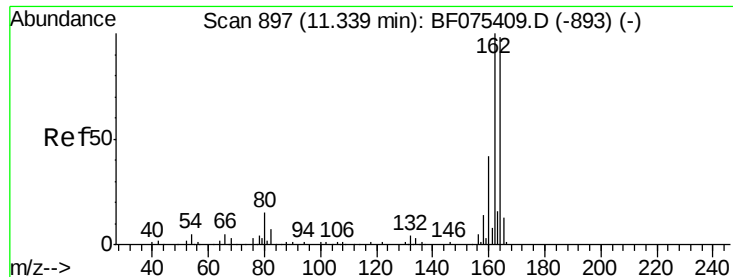
Tgt Ion: 82 Resp: 318695
 Ion Ratio Lower Upper
 82 100
 128 38.4 37.8 56.6
 54 56.1 49.8 74.8



#37
 2-Methylnaphthalene
 Concen: 58.86 ng
 RT: 10.06 min Scan# 785
 Delta R.T. 0.05 min
 Lab File: BF075563.D
 Acq: 16 Nov 2014 1:40

Tgt Ion: 142 Resp: 241059
 Ion Ratio Lower Upper
 142 100
 141 89.7 69.9 104.9
 115 48.5 27.6 41.4#

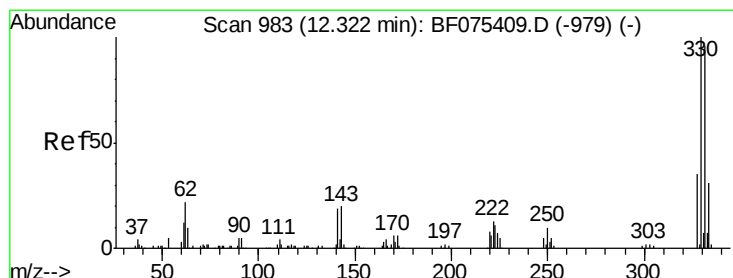
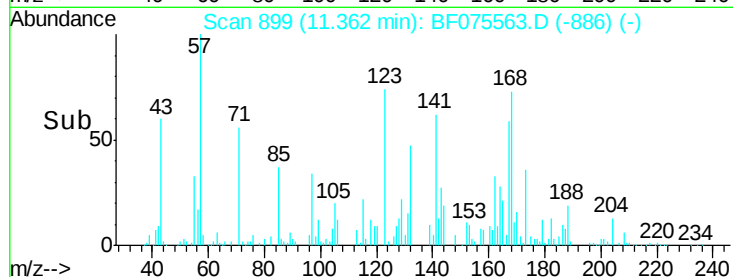
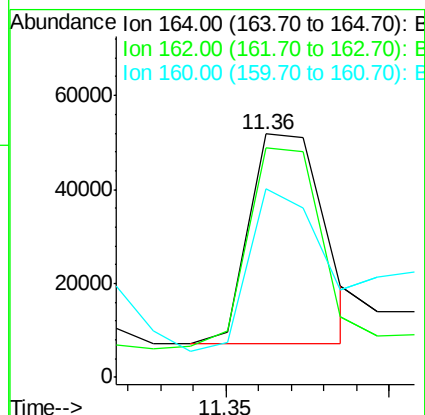
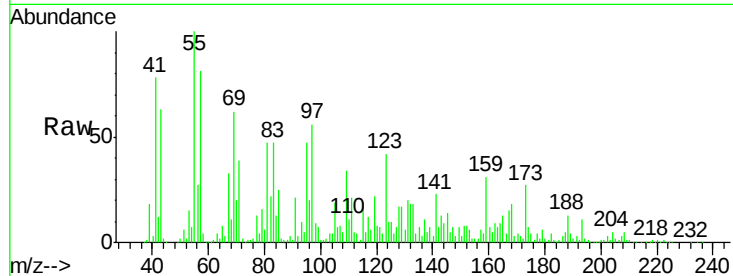




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 899
Delta R.T. 0.05 min
Lab File: BF075563.D
Acq: 16 Nov 2014 1:40

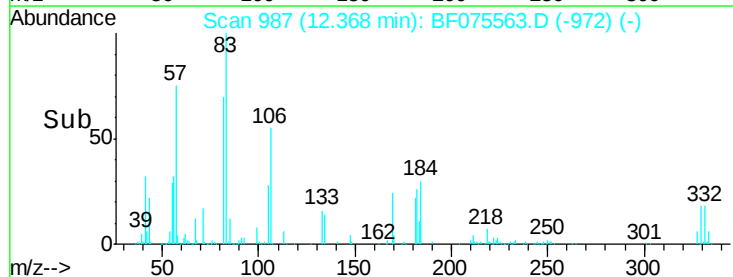
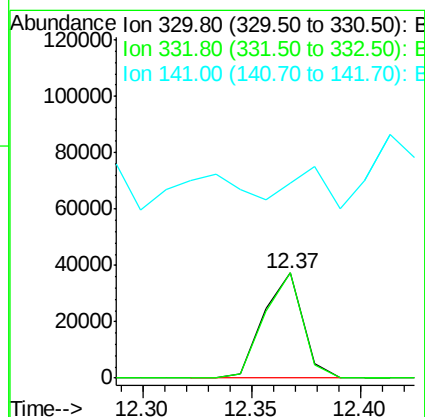
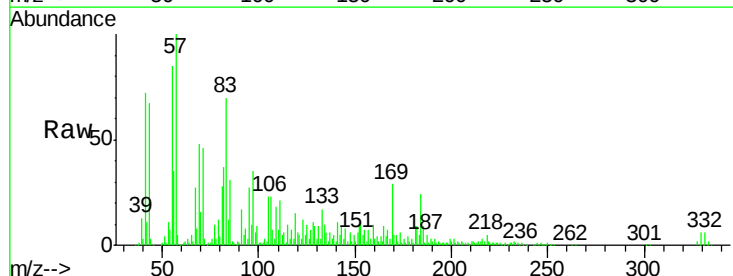
Instrument :
BNA_F
ClientSampleId :
T3

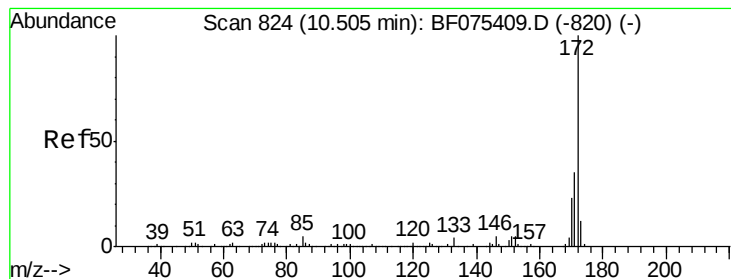
Tgt Ion:164 Resp: 70787
Ion Ratio Lower Upper
164 100
162 94.5 79.1 118.7
160 77.2 34.6 51.8#



#41
2,4,6-Tribromophenol
Concen: 79.49 ng
RT: 12.37 min Scan# 987
Delta R.T. 0.07 min
Lab File: BF075563.D
Acq: 16 Nov 2014 1:40

Tgt Ion:330 Resp: 47130
Ion Ratio Lower Upper
330 100
332 98.4 74.5 111.7
141 35.7 30.7 46.1





#44

2-Fluorobiphenyl

Concen: 61.83 ng

RT: 10.52 min Scan# 825

Delta R.T. 0.03 min

Lab File: BF075563.D

Acq: 16 Nov 2014 1:40

Instrument :

BNA_F

ClientSampleId :

T3

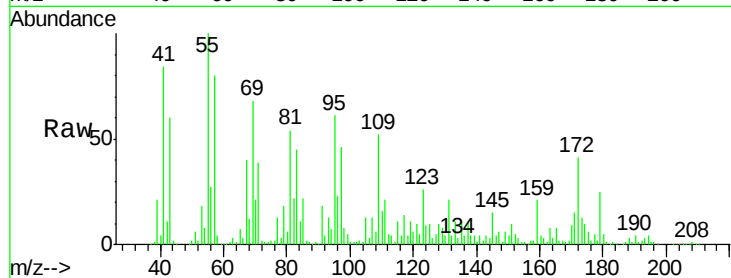
Tgt Ion:172 Resp: 242198

Ion Ratio Lower Upper

172 100

171 35.6 27.3 40.9

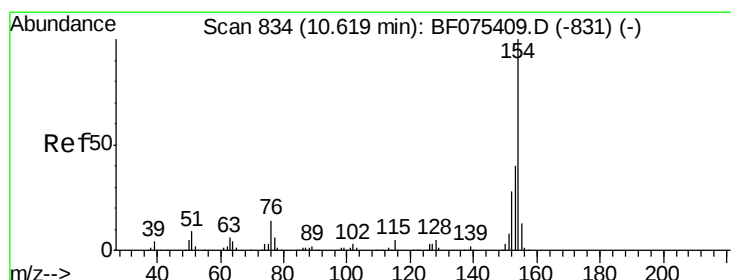
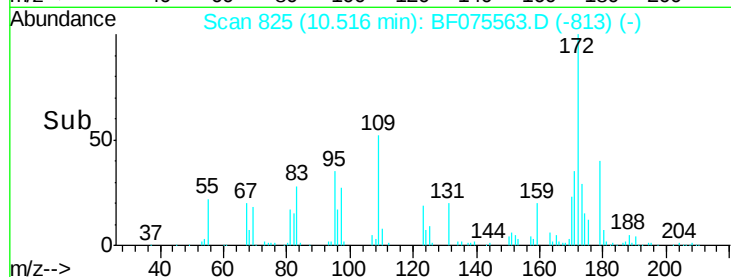
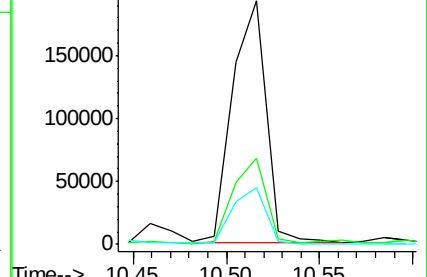
170 23.1 18.4 27.6



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



#45

1,1'-Biphenyl

Concen: 18.23 ng

RT: 10.64 min Scan# 836

Delta R.T. 0.05 min

Lab File: BF075563.D

Acq: 16 Nov 2014 1:40

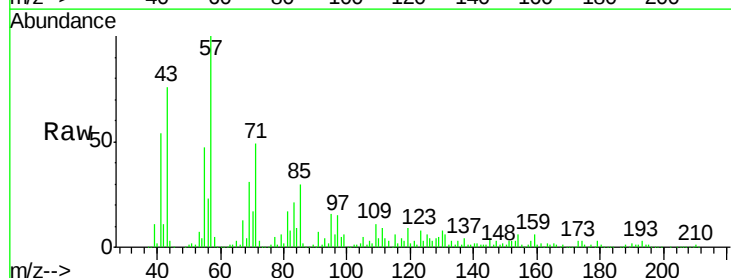
Tgt Ion:154 Resp: 87039

Ion Ratio Lower Upper

154 100

153 48.3 19.3 59.3

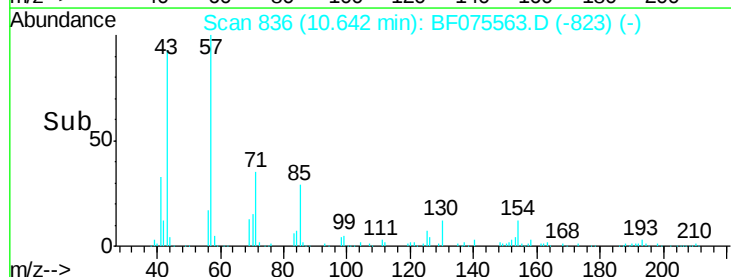
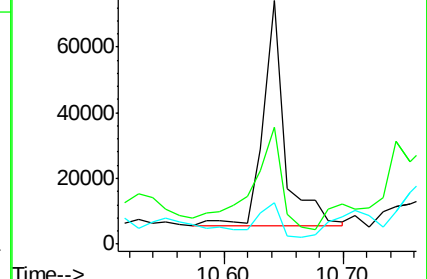
76 16.9 0.0 35.0

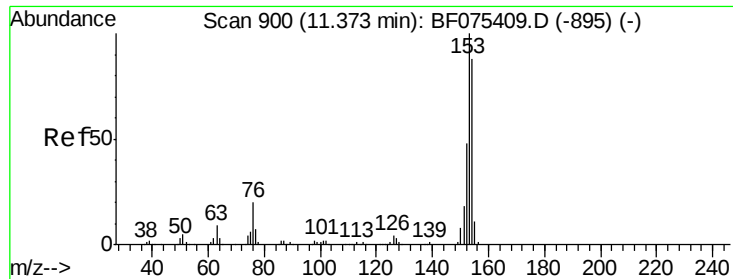


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#51

Acenaphthene

Concen: 39.34 ng

RT: 11.41 min Scan# 903

Delta R.T. 0.06 min

Lab File: BF075563.D

Acq: 16 Nov 2014 1:40

Instrument :

BNA_F

ClientSampleId :

T3

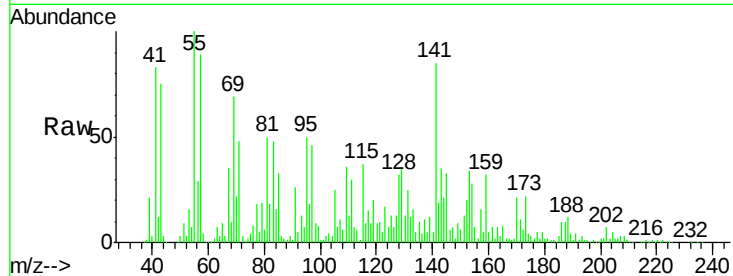
Tgt Ion:154 Resp: 146169

Ion Ratio Lower Upper

154 100

153 121.6 91.2 136.8

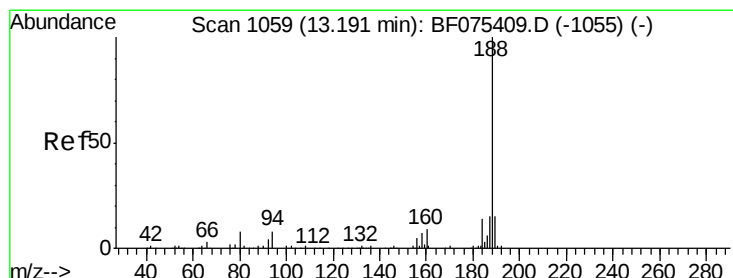
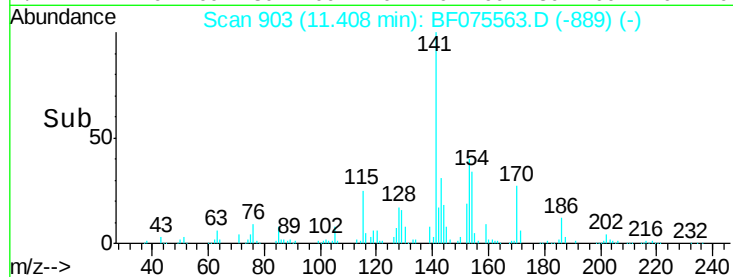
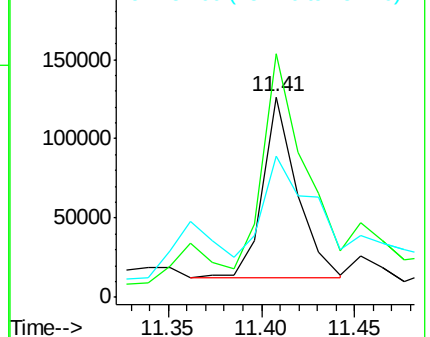
152 70.7 43.4 65.0#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 13.24 min Scan# 1063

Delta R.T. 0.08 min

Lab File: BF075563.D

Acq: 16 Nov 2014 1:40

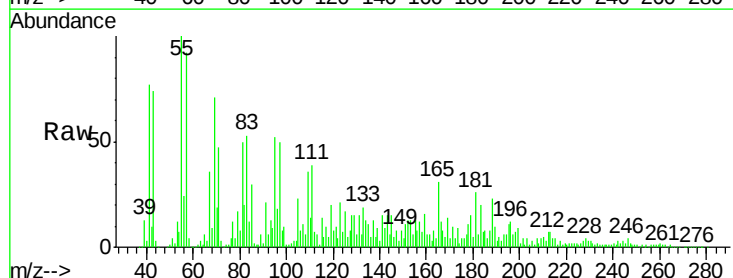
Tgt Ion:188 Resp: 114779

Ion Ratio Lower Upper

188 100

94 38.1 7.8 11.6#

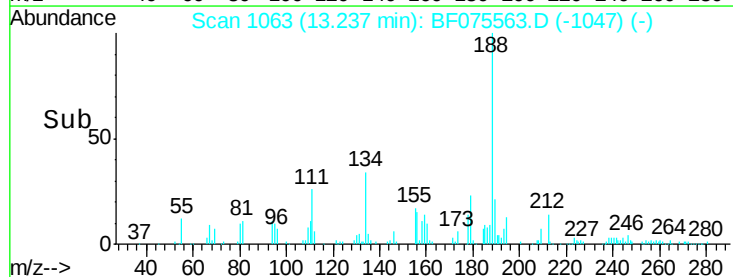
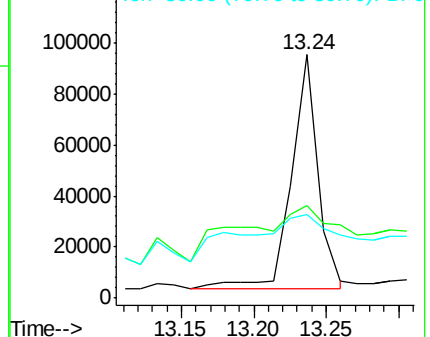
80 34.5 8.0 12.0#

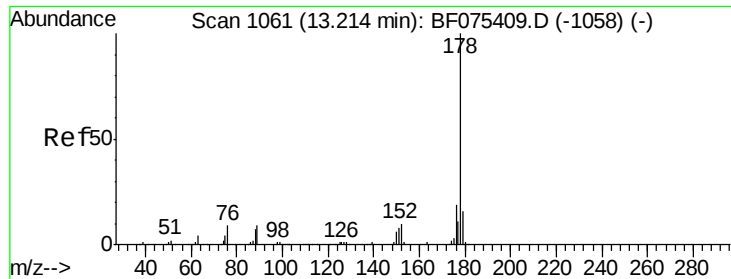


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 89.91 ng

RT: 13.27 min Scan# 1066

Delta R.T. 0.08 min

Lab File: BF075563.D

Acq: 16 Nov 2014 1:40

Instrument :

BNA_F

ClientSampled :

T3

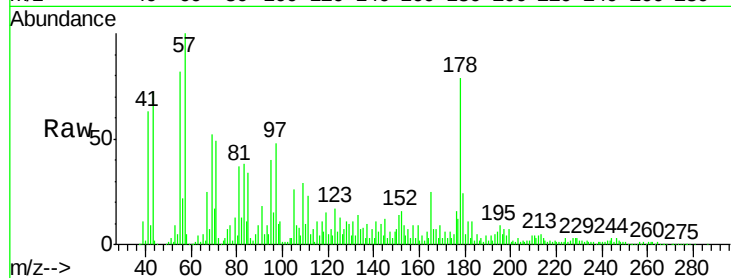
Tgt Ion:178 Resp: 543098

Ion Ratio Lower Upper

178 100

176 20.6 15.3 22.9

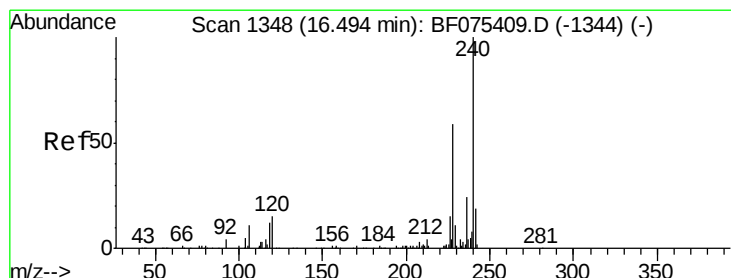
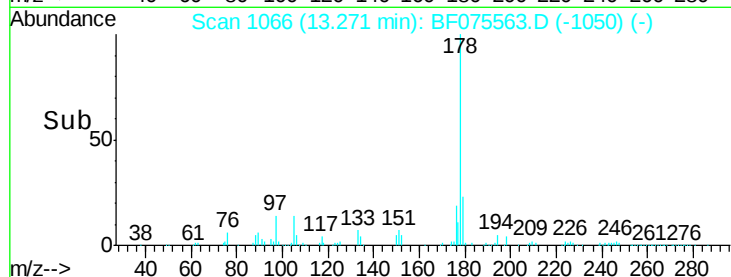
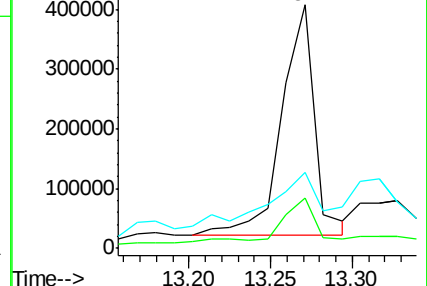
179 31.2 12.2 18.4#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.49 min Scan# 1348

Delta R.T. 0.02 min

Lab File: BF075563.D

Acq: 16 Nov 2014 1:40

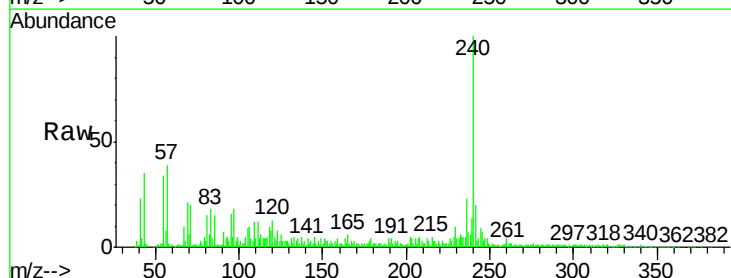
Tgt Ion:240 Resp: 192647

Ion Ratio Lower Upper

240 100

120 12.8 9.6 14.4

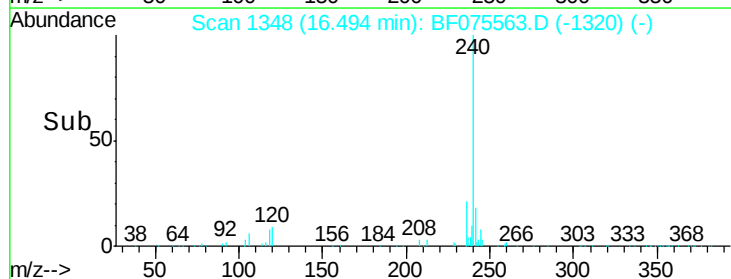
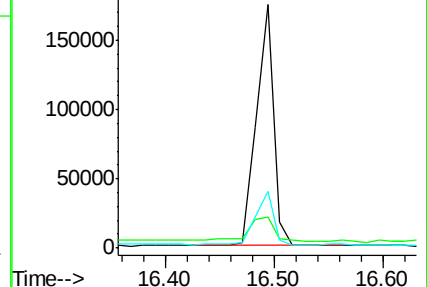
236 23.5 18.9 28.3

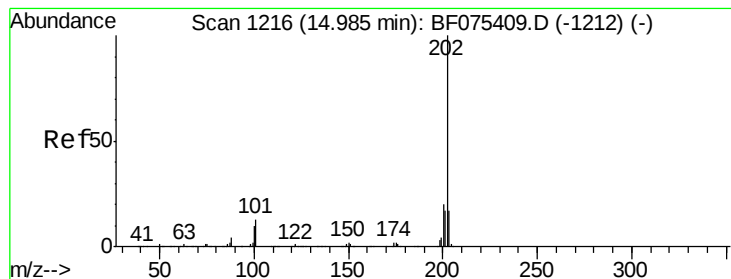


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 37.01 ng

RT: 15.02 min Scan# 1219

Delta R.T. 0.07 min

Lab File: BF075563.D

Acq: 16 Nov 2014 1:40

Instrument :

BNA_F

ClientSampleId :

T3

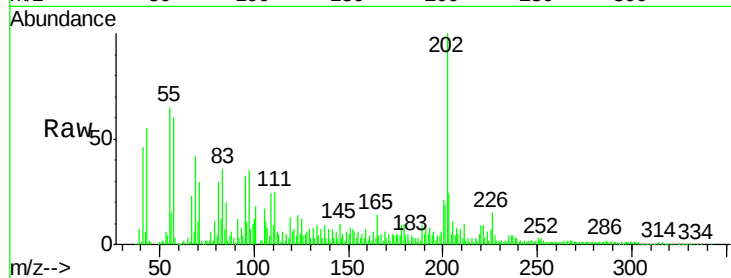
Tgt Ion:202 Resp: 414523

Ion Ratio Lower Upper

202 100

200 21.5 16.8 25.2

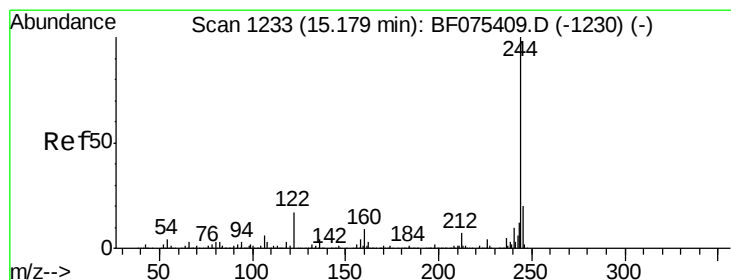
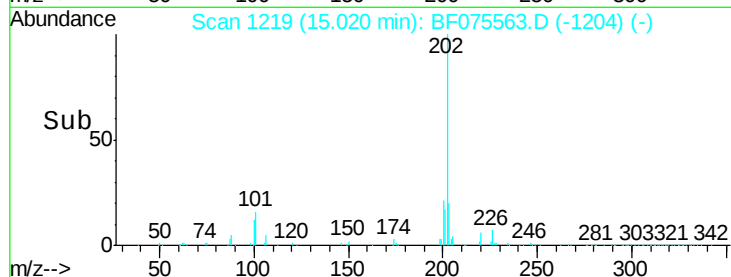
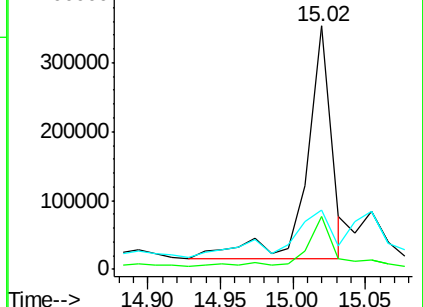
203 24.2 14.3 21.5#



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: 39.29 ng

RT: 15.20 min Scan# 1235

Delta R.T. 0.05 min

Lab File: BF075563.D

Acq: 16 Nov 2014 1:40

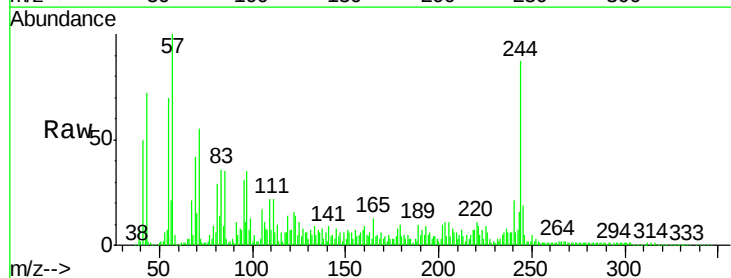
Tgt Ion:244 Resp: 281166

Ion Ratio Lower Upper

244 100

212 8.0 5.5 8.3

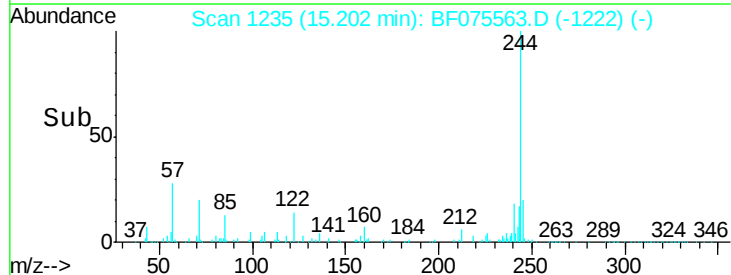
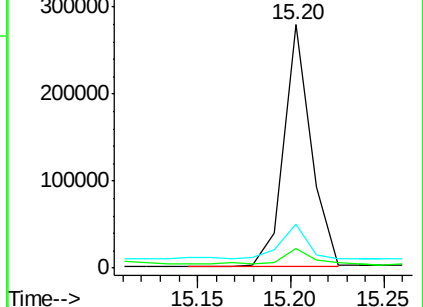
122 17.9 9.7 14.5#

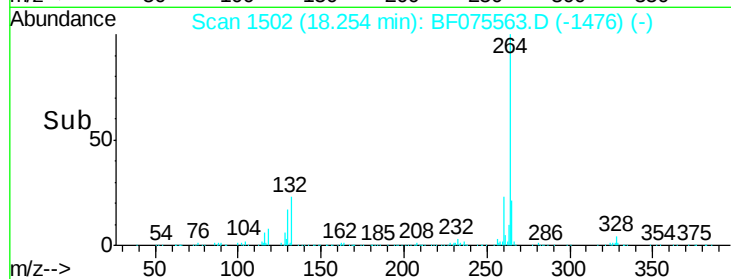
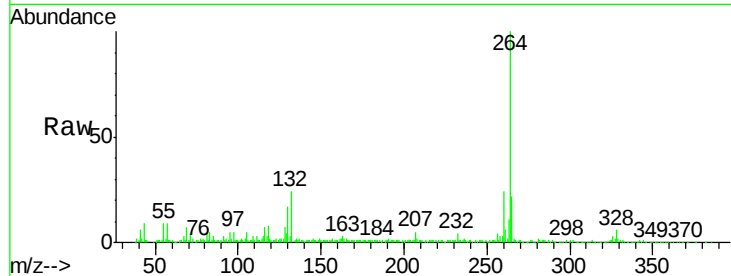
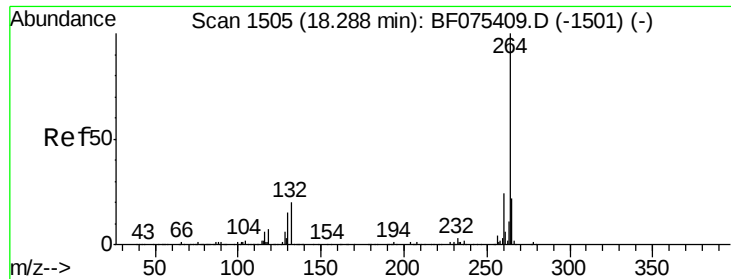


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 18.25 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BF075563.D

Acq: 16 Nov 2014 1:40

Instrument :

BNA_F

ClientSampleId :

T3

Tgt Ion: 264 Resp: 207639

Ion Ratio Lower Upper

264 100

260 23.7 17.9 26.9

265 21.7 16.3 24.5

