

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082316\
 Data File : BF089825.D
 Acq On : 23 Aug 2016 10:58
 Operator : UM/SJ
 Sample : H4547-02
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D2-(3-3.5)

Quant Time: Aug 25 13:29:23 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

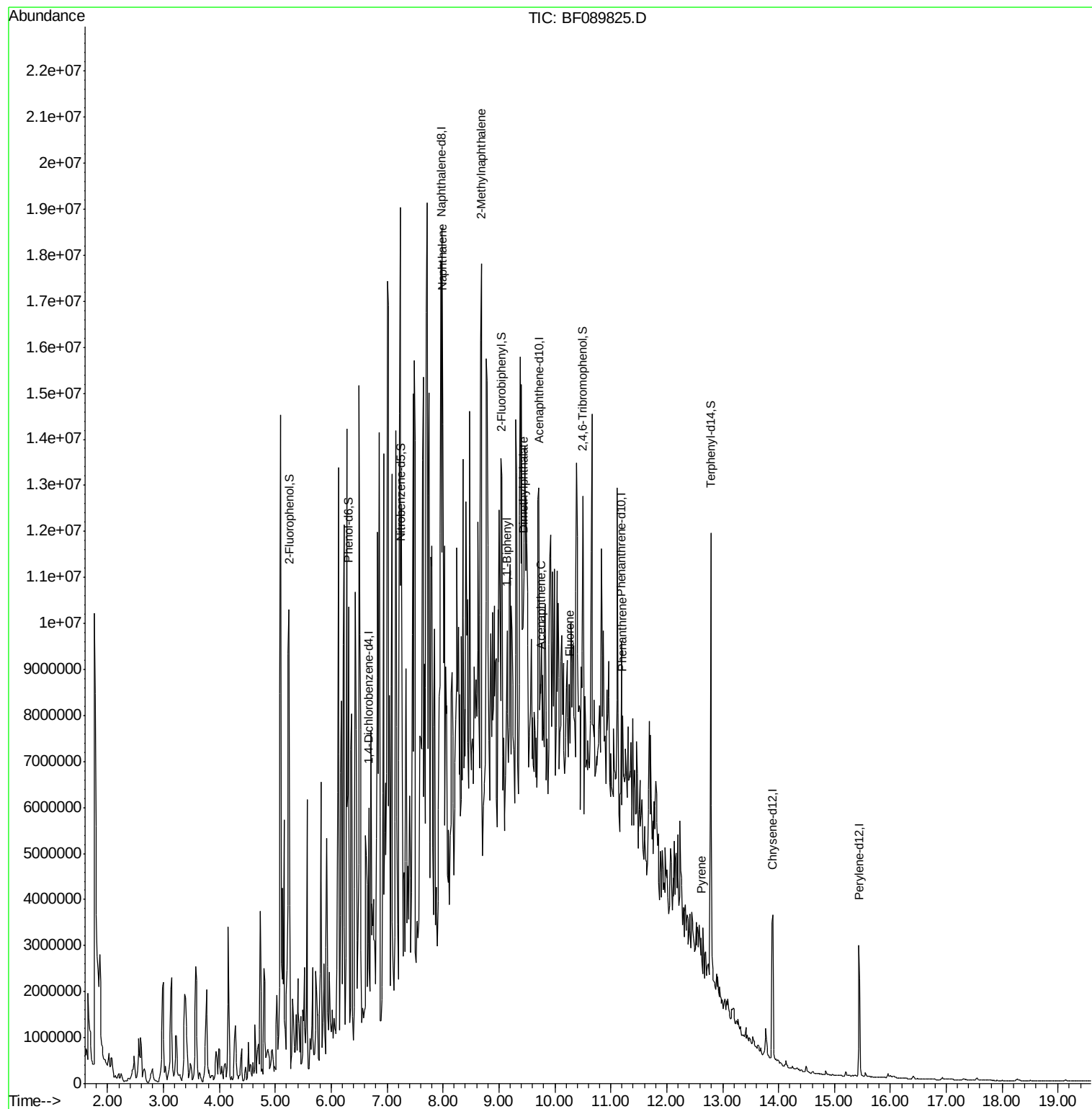
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	501938	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	1455205	20.00	ng	-0.01
38) Acenaphthene-d10	9.71	164	826584	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	1574819	20.00	ng	0.00
75) Chrysene-d12	13.90	240	1595928	20.00	ng	0.02
86) Perylene-d12	15.44	264	1477578	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	3472399	118.64	ng	-0.01
7) Phenol-d6	6.31	99	4696244	130.71	ng	-0.01
23) Nitrobenzene-d5	7.24	82	2172775	92.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.50	330	953461	121.38	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	4730852	100.59	ng	0.00
78) Terphenyl-d14	12.79	244	3980498	56.43	ng	0.00
Target Compounds						
31) Naphthalene	7.99	128	7859337	115.56	ng	# 92
37) 2-Methylnaphthalene	8.68	142	6244937	141.93	ng	# 93
45) 1,1'-Biphenyl	9.14	154	844902	13.21	ng	94
49) Dimethylphthalate	9.44	163	1458126	25.05	ng	# 97
51) Acenaphthene	9.75	154	242668	4.83	ng	# 77
57) Fluorene	10.26	166	641309	12.74	ng	# 76
70) Phenanthrene	11.21	178	1165271	14.65	ng	97
77) Pyrene	12.62	202	286874	2.21	ng	# 87

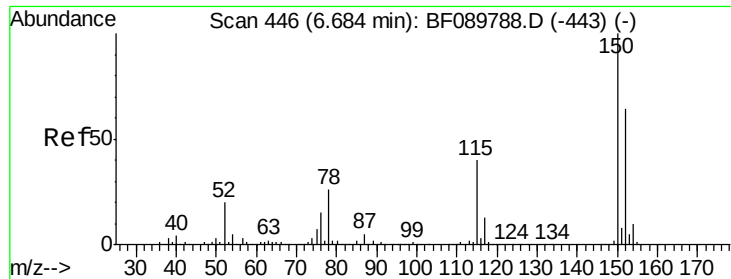
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.01 min

Lab File: BF089825.D

Acq: 23 Aug 2016 10:58

Instrument :

BNA_F

ClientSampleId :

D2-(3-3.5)

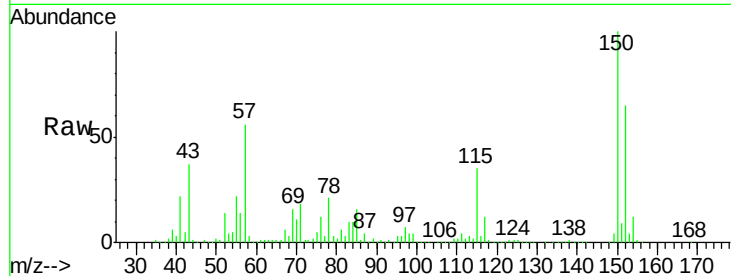
Tgt Ion:152 Resp: 501938

Ion Ratio Lower Upper

152 100

150 154.6 125.3 187.9

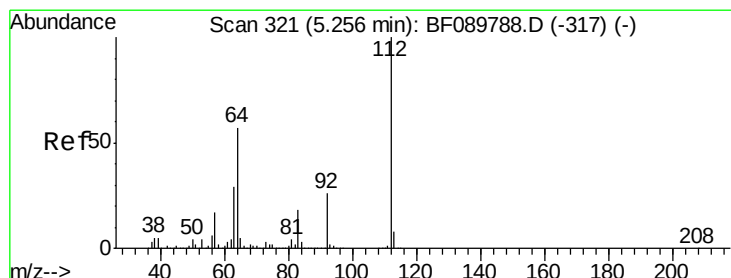
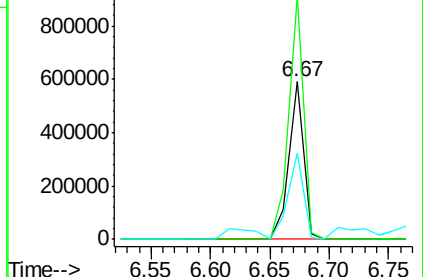
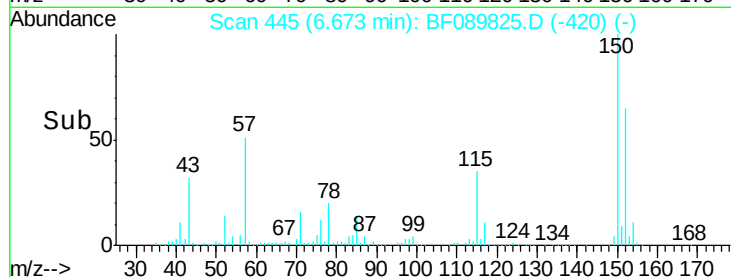
115 54.5 40.9 61.3



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: 118.64 ng

RT: 5.24 min Scan# 320

Delta R.T. -0.01 min

Lab File: BF089825.D

Acq: 23 Aug 2016 10:58

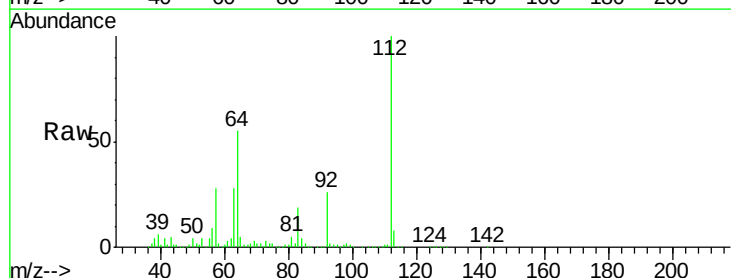
Tgt Ion:112 Resp: 3472399

Ion Ratio Lower Upper

112 100

64 54.9 45.0 67.4

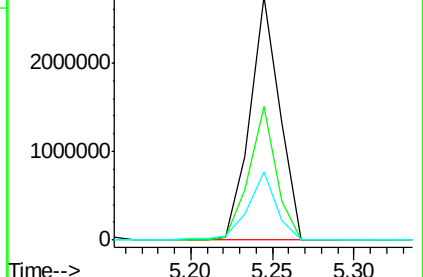
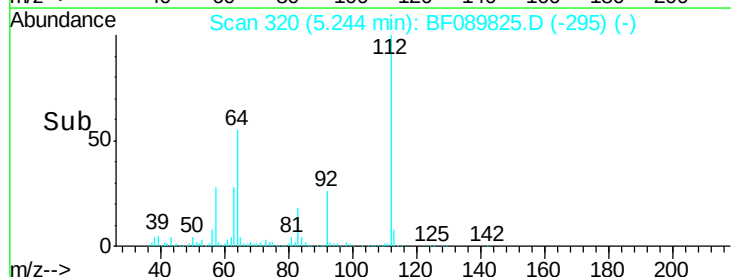
63 27.9 23.1 34.7

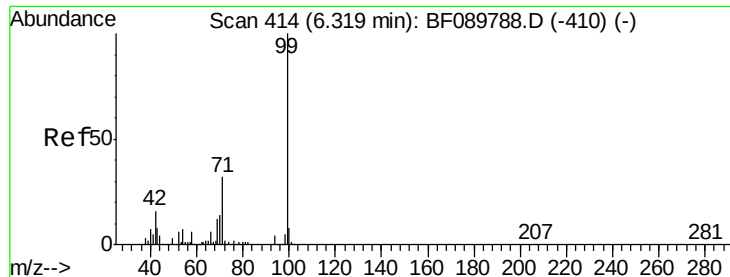


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 130.71 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF089825.D

Acq: 23 Aug 2016 10:58

Instrument :

BNA_F

ClientSampleId :

D2-(3-3.5)

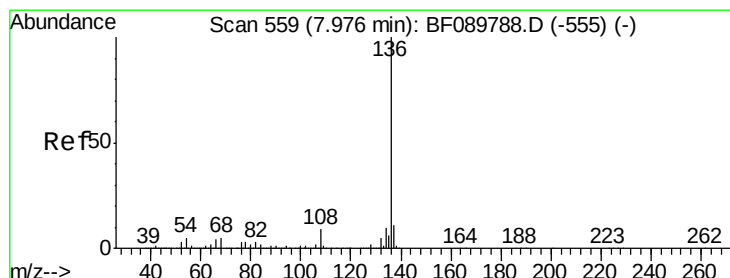
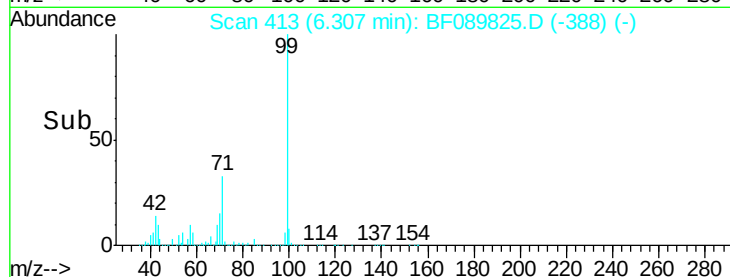
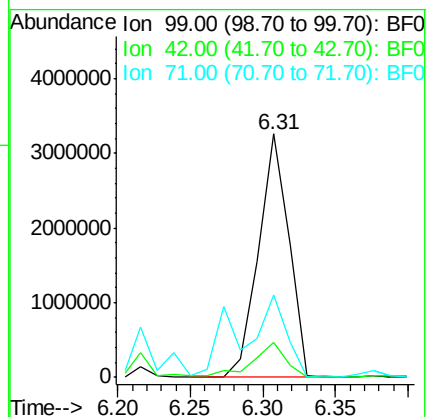
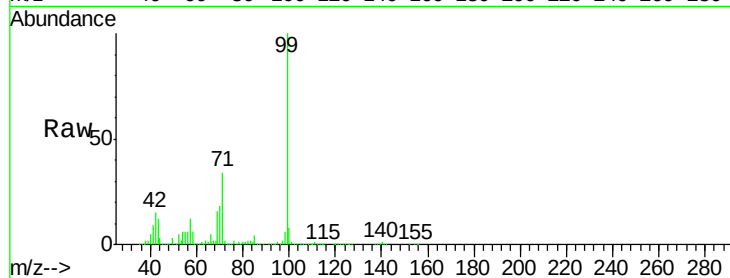
Tgt Ion: 99 Resp: 4696244

Ion Ratio Lower Upper

99 100

42 14.6 12.2 18.4

71 33.7 23.8 35.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.01 min

Lab File: BF089825.D

Acq: 23 Aug 2016 10:58

Tgt Ion: 136 Resp: 1455205

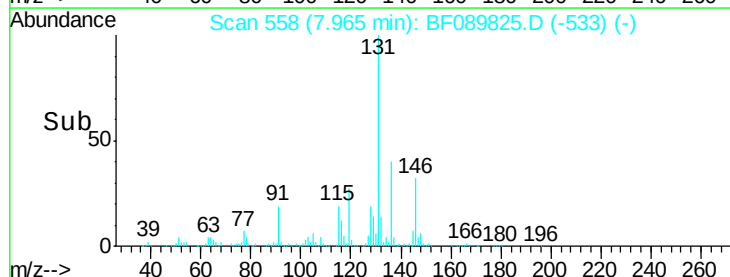
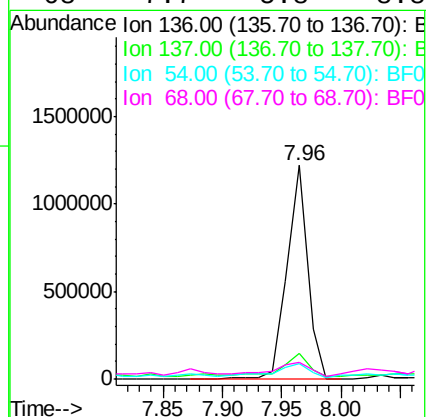
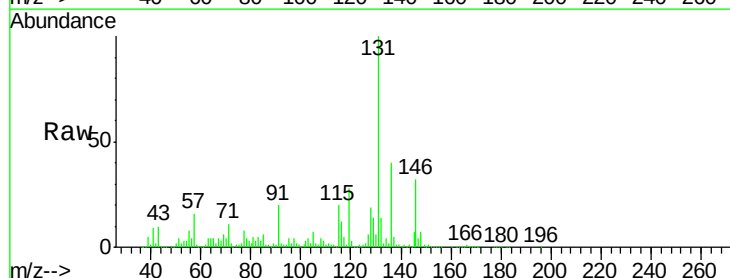
Ion Ratio Lower Upper

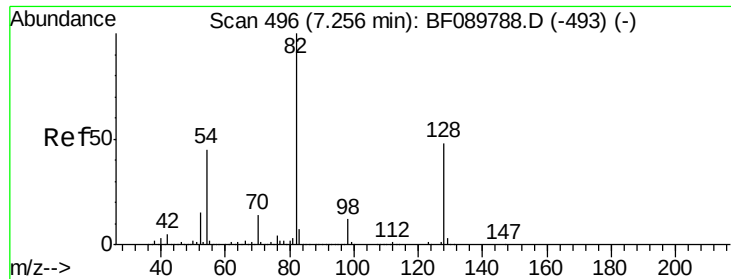
136 100

137 12.3 9.2 13.8

54 7.1 7.2 10.8#

68 7.7 5.8 8.8

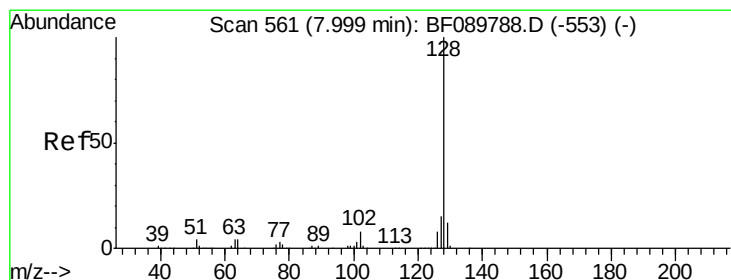
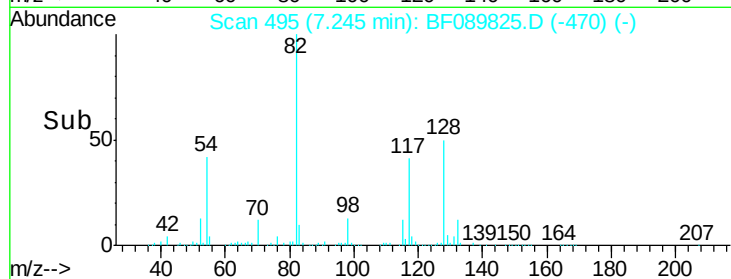
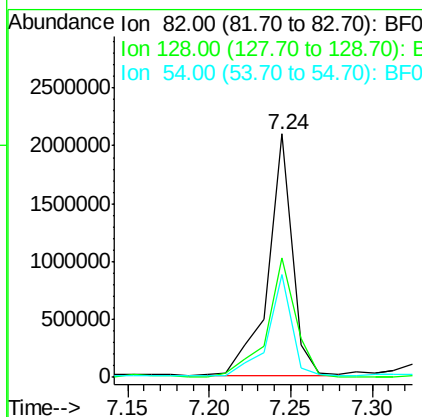
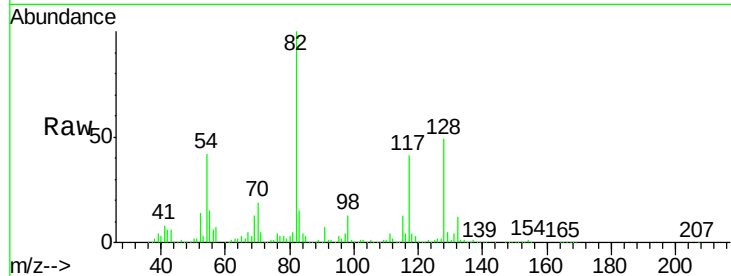




#23
 Nitrobenzene-d5
 Concen: 92.76 ng
 RT: 7.24 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: BF089825.D
 Acq: 23 Aug 2016 10:58

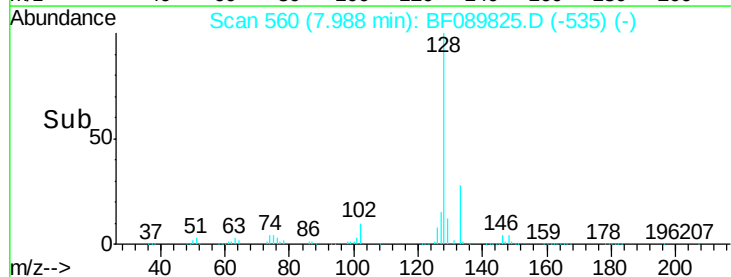
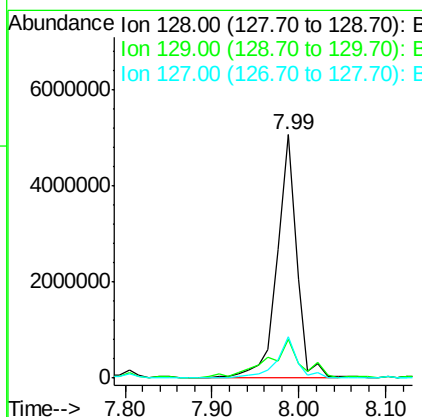
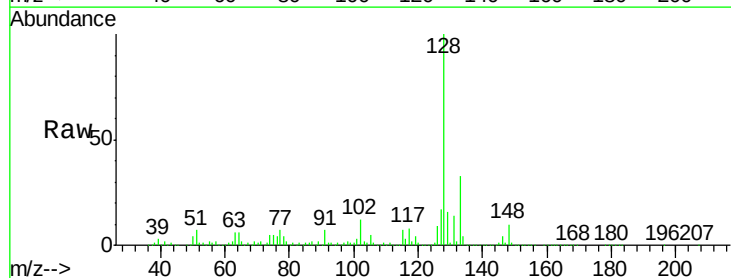
Instrument :
 BNA_F
 ClientSampleId :
 D2-(3-3.5)

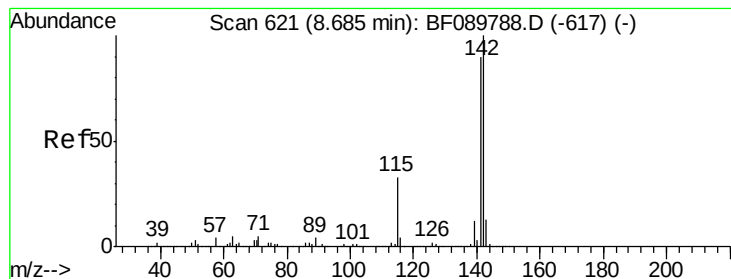
Tgt Ion: 82 Resp: 2172775
 Ion Ratio Lower Upper
 82 100
 128 49.0 34.4 51.6
 54 42.1 40.3 60.5



#31
 Naphthalene
 Concen: 115.56 ng
 RT: 7.99 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: BF089825.D
 Acq: 23 Aug 2016 10:58

Tgt Ion: 128 Resp: 7859337
 Ion Ratio Lower Upper
 128 100
 129 15.7 9.5 14.3#
 127 16.8 11.3 16.9

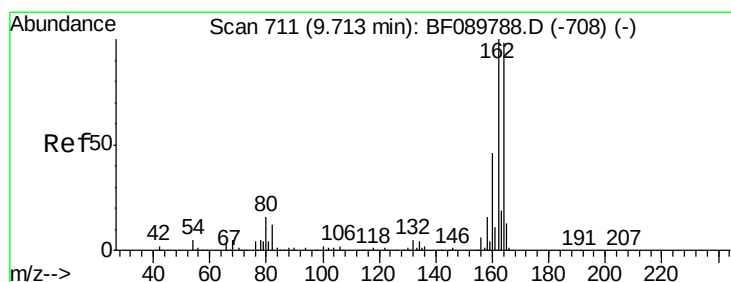
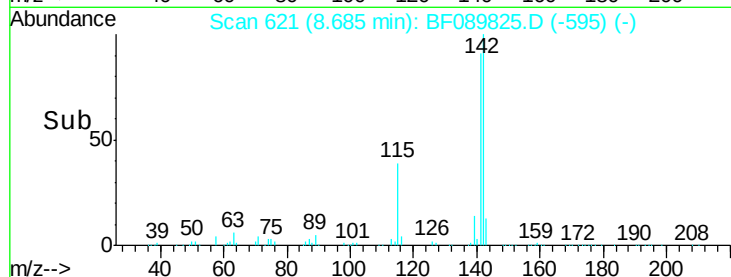
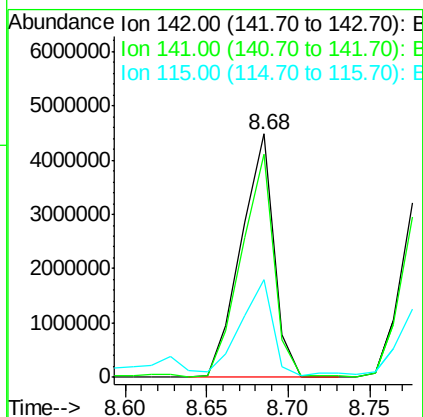
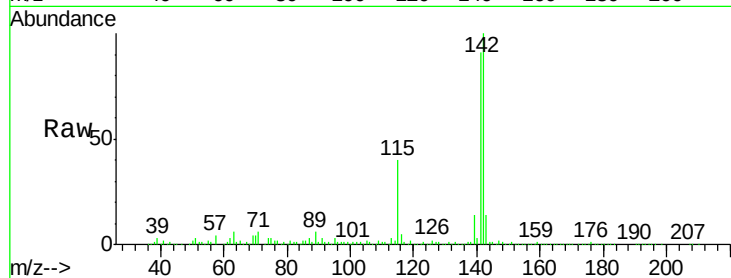




#37
 2-Methylnaphthalene
 Concen: 141.93 ng
 RT: 8.68 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: BF089825.D
 Acq: 23 Aug 2016 10:58

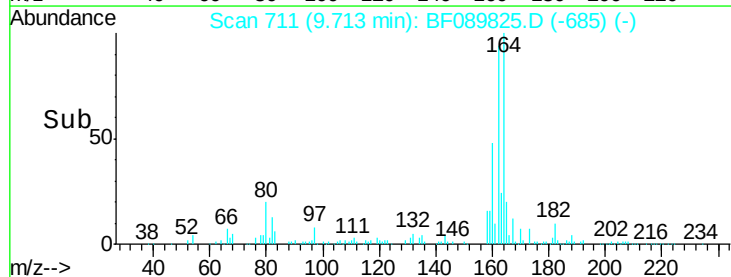
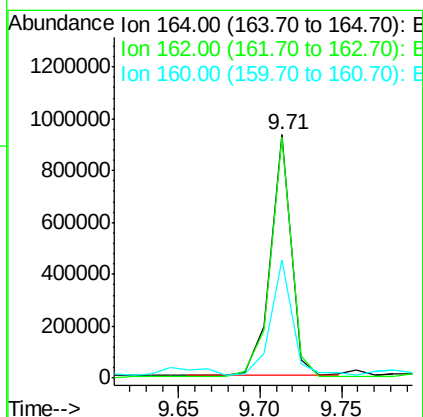
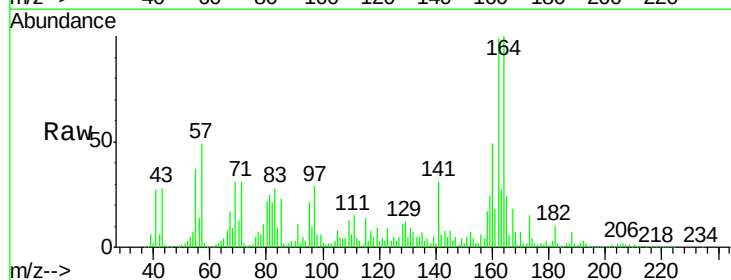
Instrument :
 BNA_F
 ClientSampleId :
 D2-(3-3.5)

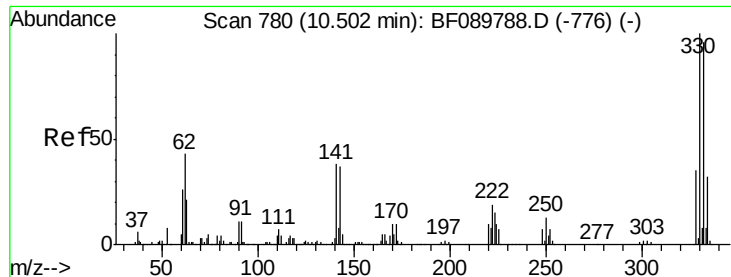
Tgt Ion:142 Resp: 6244937
 Ion Ratio Lower Upper
 142 100
 141 91.5 71.4 107.2
 115 40.4 22.7 34.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF089825.D
 Acq: 23 Aug 2016 10:58

Tgt Ion:164 Resp: 826584
 Ion Ratio Lower Upper
 164 100
 162 99.3 81.4 122.2
 160 48.6 37.8 56.6

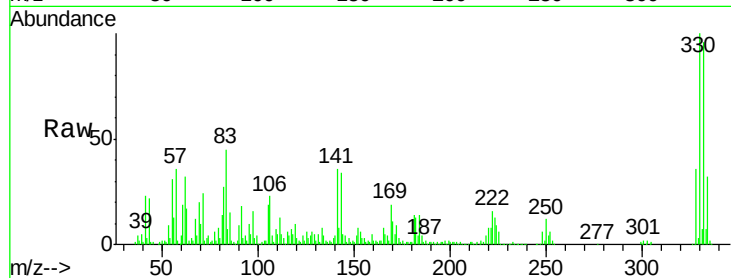




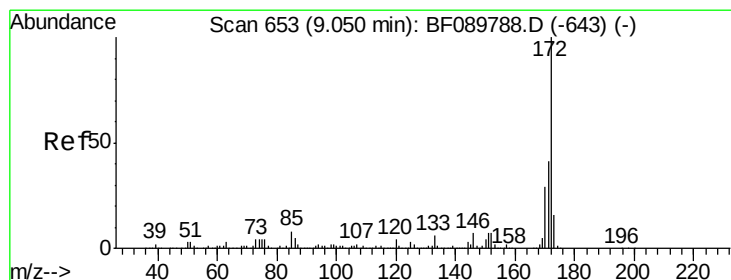
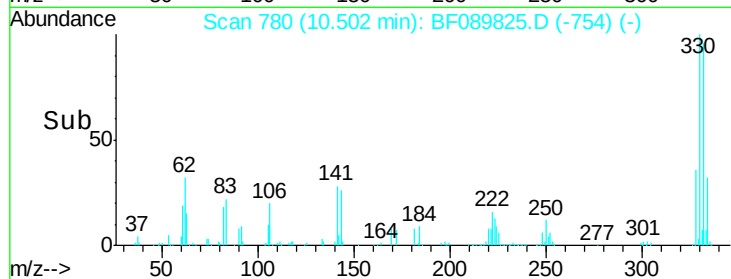
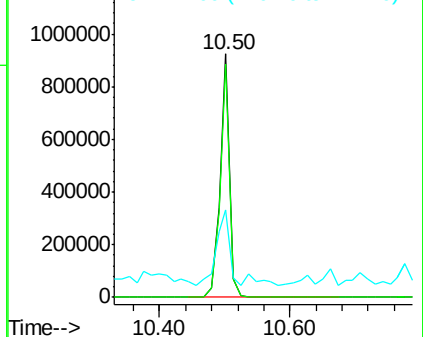
#41
 2,4,6-Tribromophenol
 Concen: 121.38 ng
 RT: 10.50 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: BF089825.D
 Acq: 23 Aug 2016 10:58

Instrument :
 BNA_F
 ClientSampleId :
 D2-(3-3.5)

Tgt Ion:330 Resp: 953461
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.7 115.1
 141 43.2 30.2 45.2

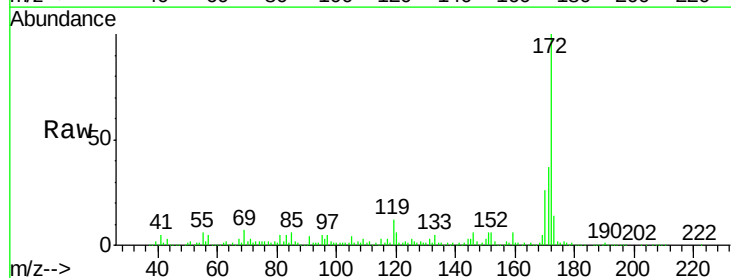


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

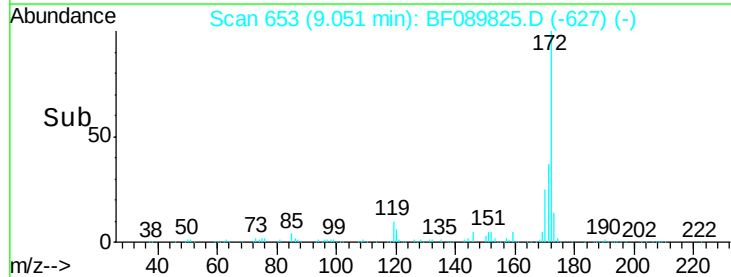
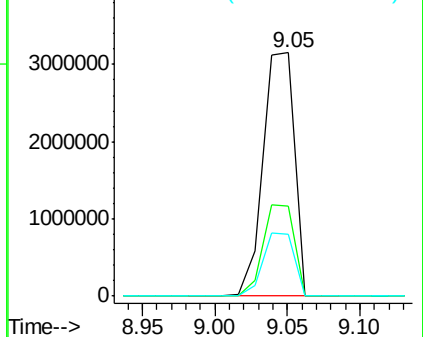


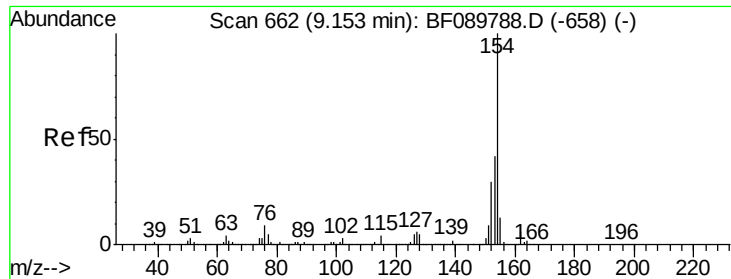
#44
 2-Fluorobiphenyl
 Concen: 100.59 ng
 RT: 9.05 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: BF089825.D
 Acq: 23 Aug 2016 10:58

Tgt Ion:172 Resp: 4730852
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.5 45.7
 170 25.5 20.6 31.0



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: 13.21 ng

RT: 9.14 min Scan# 661

Delta R.T. -0.01 min

Lab File: BF089825.D

Acq: 23 Aug 2016 10:58

Instrument :

BNA_F

ClientSampleId :

D2-(3-3.5)

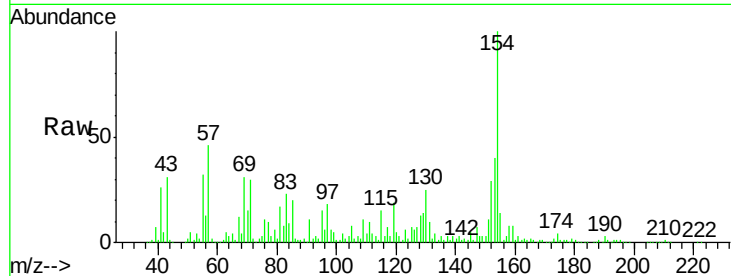
Tgt Ion:154 Resp: 844902

Ion Ratio Lower Upper

154 100

153 40.3 21.5 61.5

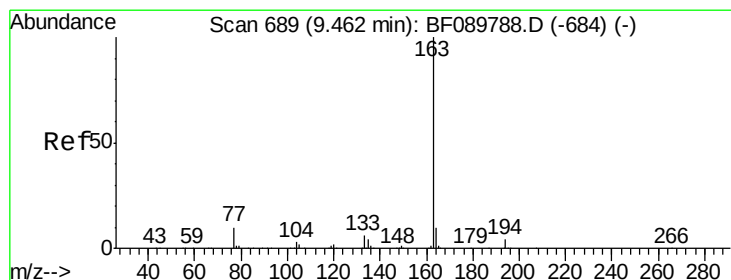
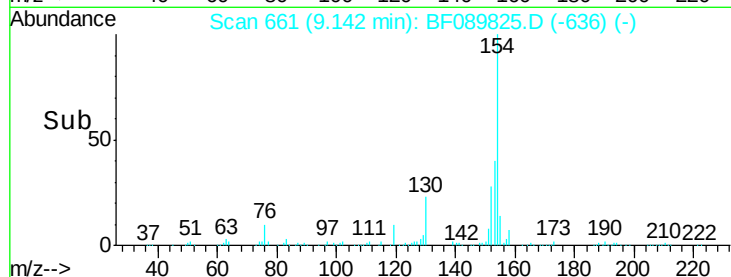
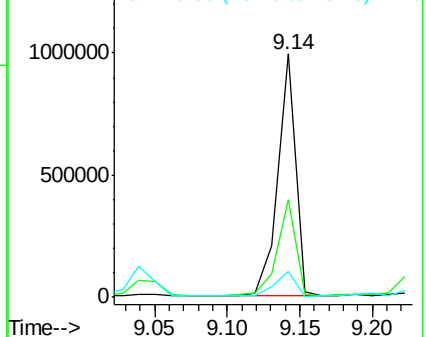
76 10.5 0.0 36.7



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



#49

Dimethylphthalate

Concen: 25.05 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF089825.D

Acq: 23 Aug 2016 10:58

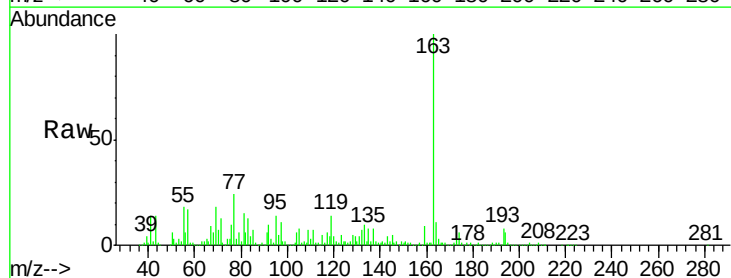
Tgt Ion:163 Resp: 1458126

Ion Ratio Lower Upper

163 100

194 5.5 2.6 3.8#

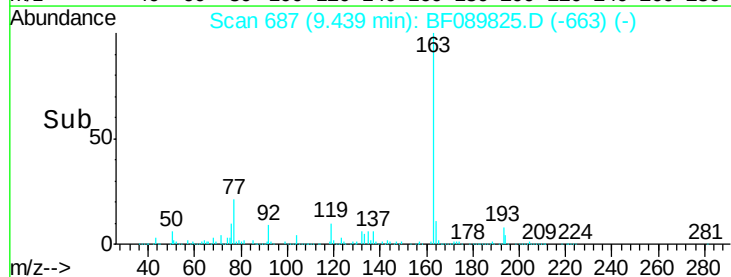
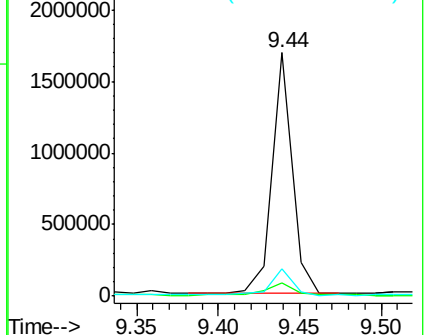
164 11.2 8.6 12.8

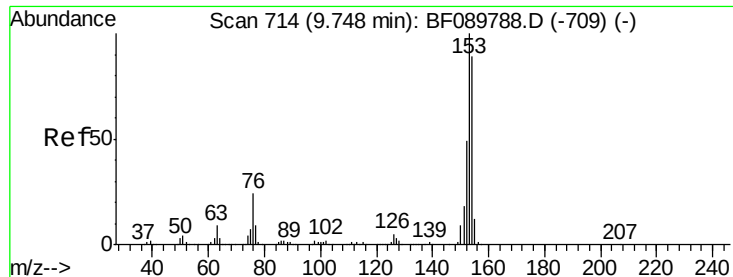


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 4.83 ng

RT: 9.75 min Scan# 714

Delta R.T. 0.00 min

Lab File: BF089825.D

Acq: 23 Aug 2016 10:58

Instrument :

BNA_F

ClientSampleId :

D2-(3-3.5)

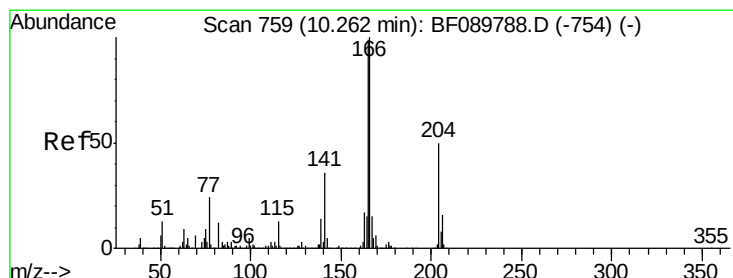
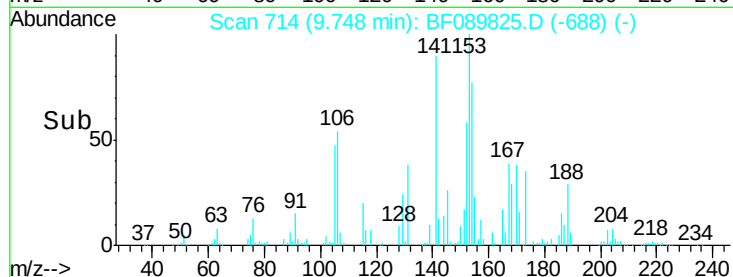
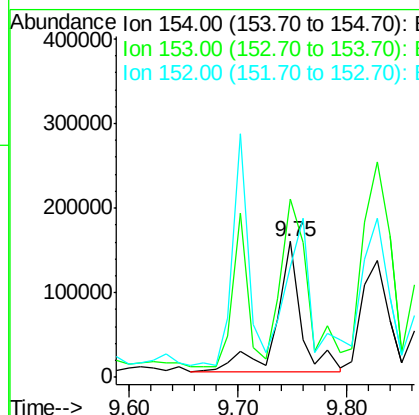
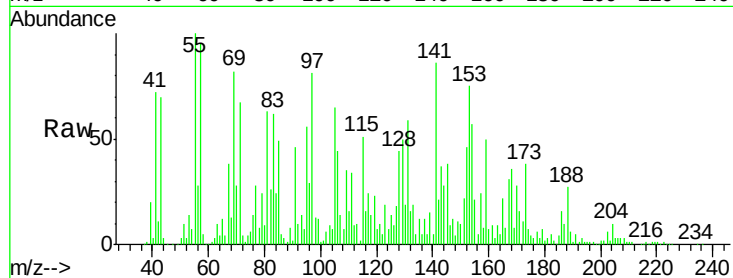
Tgt Ion:154 Resp: 242668

Ion Ratio Lower Upper

154 100

153 131.2 90.5 135.7

152 81.2 44.6 67.0#



#57

Fluorene

Concen: 12.74 ng

RT: 10.26 min Scan# 759

Delta R.T. 0.00 min

Lab File: BF089825.D

Acq: 23 Aug 2016 10:58

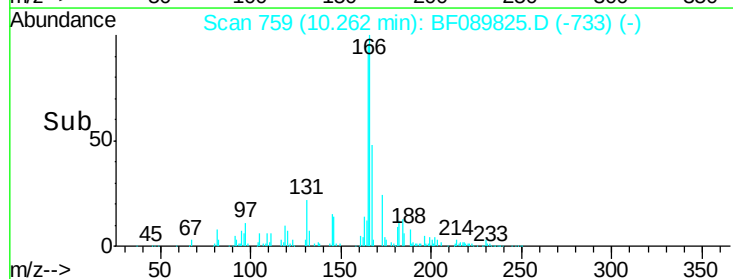
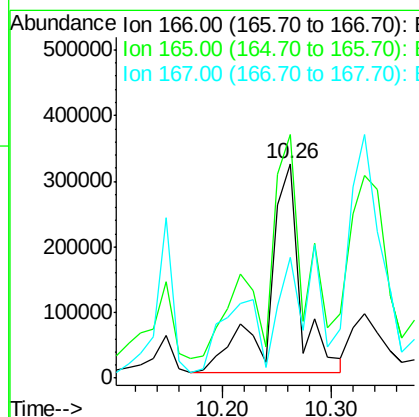
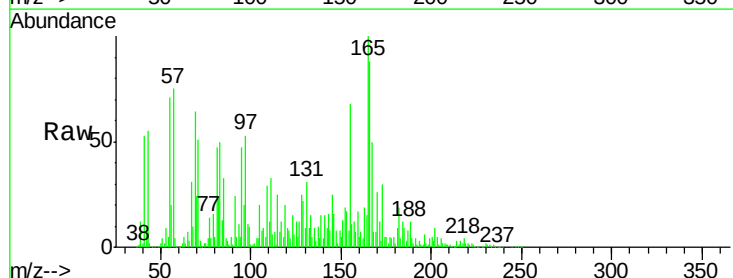
Tgt Ion:166 Resp: 641309

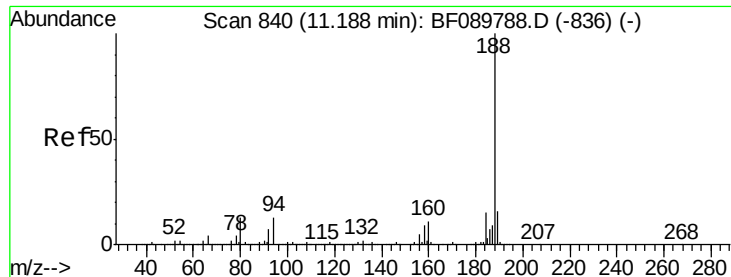
Ion Ratio Lower Upper

166 100

165 113.4 80.2 120.4

167 56.3 11.3 16.9#

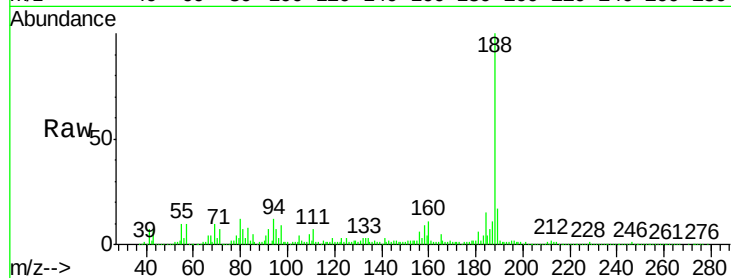




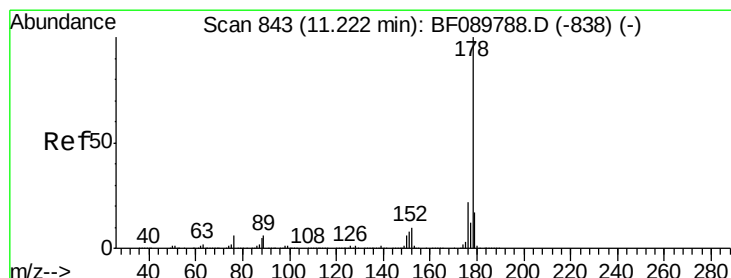
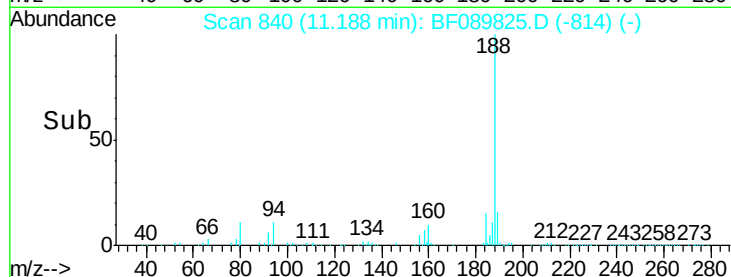
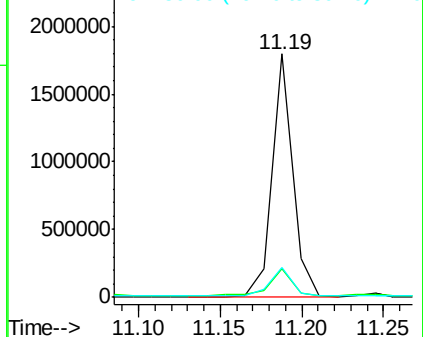
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF089825.D
Acq: 23 Aug 2016 10:58

Instrument :
BNA_F
ClientSampleId :
D2-(3-3.5)

Tgt Ion:188 Resp: 1574819
Ion Ratio Lower Upper
188 100
94 11.9 10.2 15.2
80 12.2 10.9 16.3

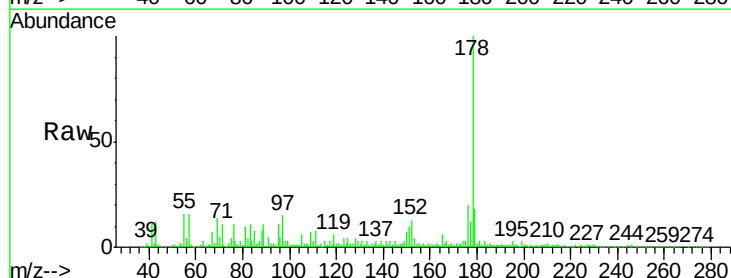


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

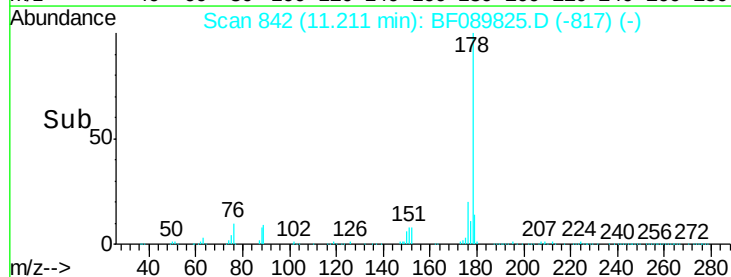
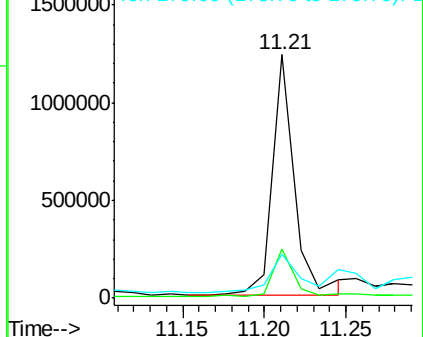


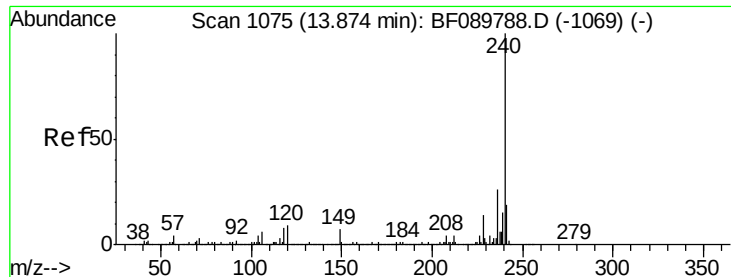
#70
Phenanthrene
Concen: 14.65 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF089825.D
Acq: 23 Aug 2016 10:58

Tgt Ion:178 Resp: 1165271
Ion Ratio Lower Upper
178 100
176 20.2 16.4 24.6
179 18.2 12.5 18.7



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: 13.90 min Scan# 1077

Delta R.T. 0.02 min

Lab File: BF089825.D

Acq: 23 Aug 2016 10:58

Instrument :

BNA_F

ClientSampleId :

D2-(3-3.5)

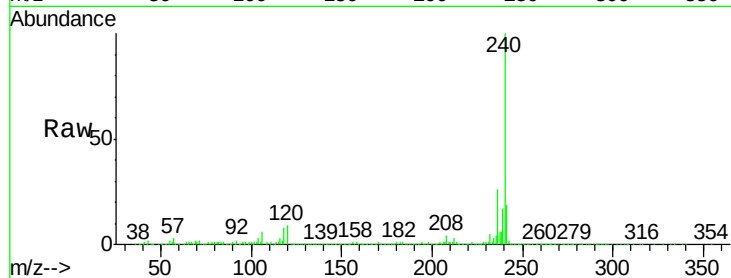
Tgt Ion:240 Resp: 1595928

Ion Ratio Lower Upper

240 100

120 8.9 8.3 12.5

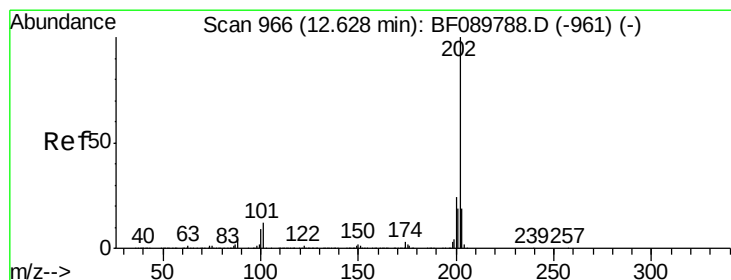
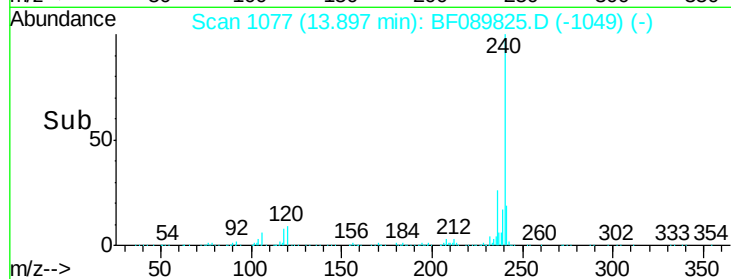
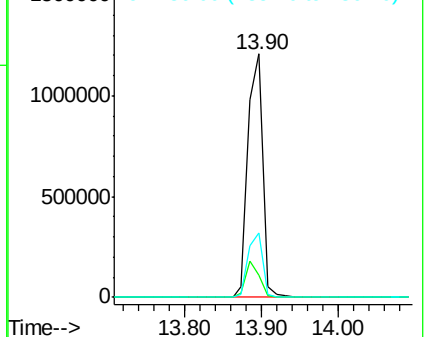
236 26.3 21.3 31.9



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: 2.21 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF089825.D

Acq: 23 Aug 2016 10:58

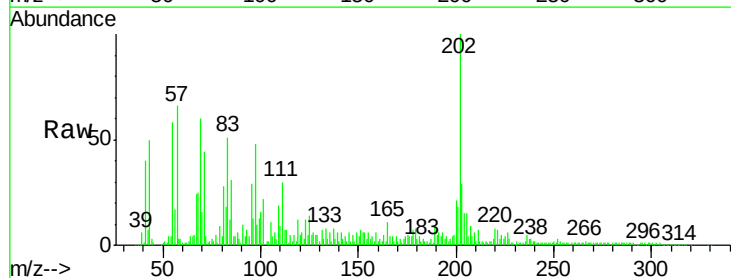
Tgt Ion:202 Resp: 286874

Ion Ratio Lower Upper

202 100

200 20.9 17.8 26.6

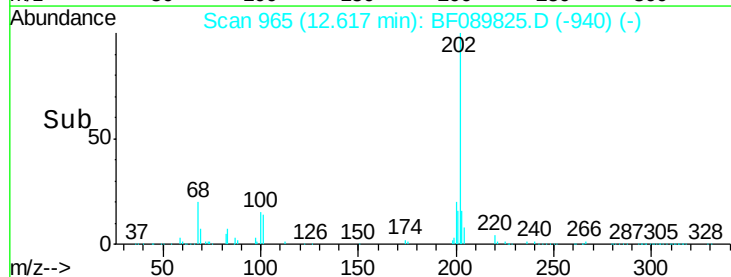
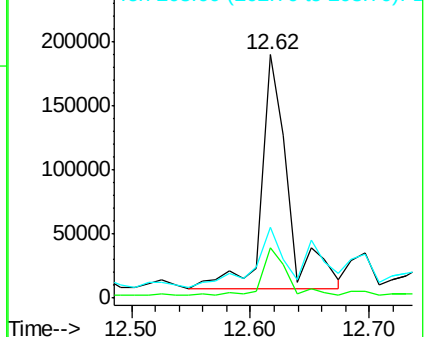
203 29.2 14.2 21.4#

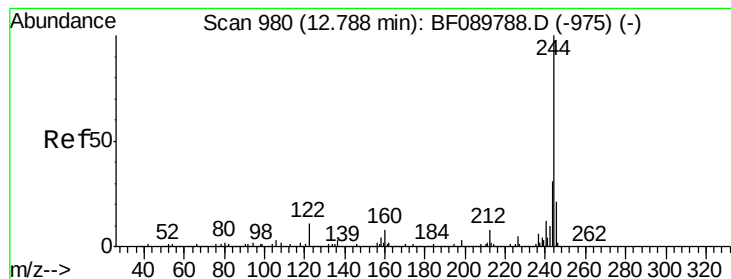


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.43 ng

RT: 12.79 min Scan# 980

Delta R.T. 0.00 min

Lab File: BF089825.D

Acq: 23 Aug 2016 10:58

Instrument :

BNA_F

ClientSampleId :

D2-(3-3.5)

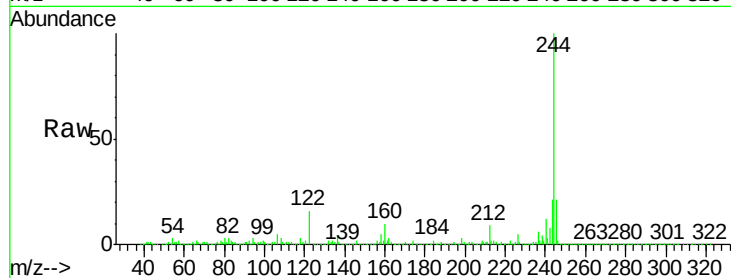
Tgt Ion:244 Resp: 3980498

Ion Ratio Lower Upper

244 100

212 8.6 6.3 9.5

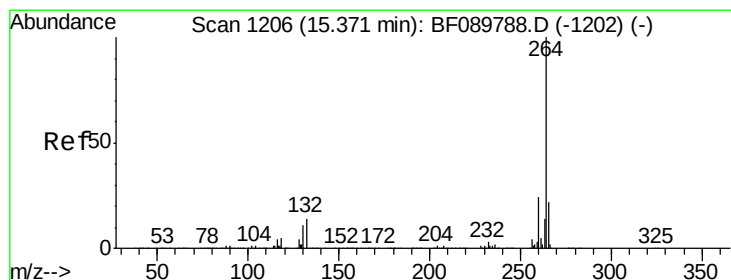
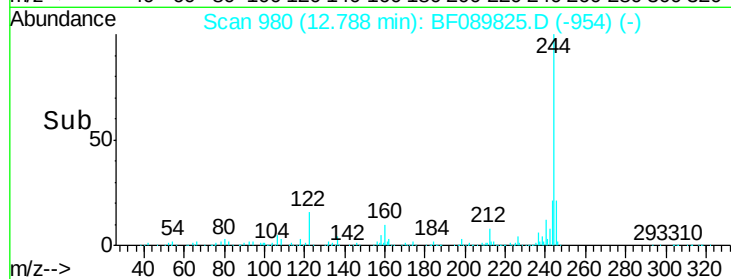
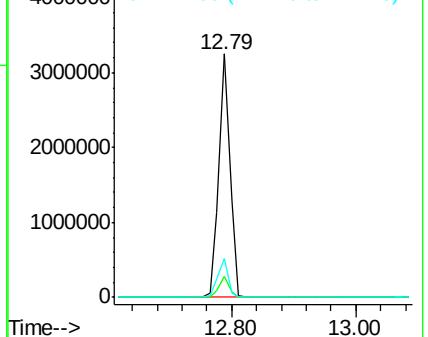
122 15.7 12.0 18.0



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: 15.44 min Scan# 1212

Delta R.T. 0.07 min

Lab File: BF089825.D

Acq: 23 Aug 2016 10:58

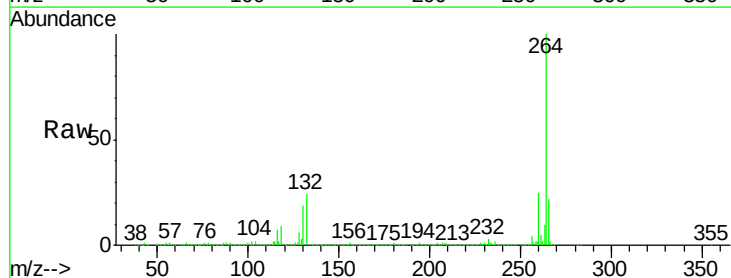
Tgt Ion:264 Resp: 1477578

Ion Ratio Lower Upper

264 100

260 24.6 20.2 30.2

265 22.2 17.4 26.2



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

