

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082316\
 Data File : BF089851.D
 Acq On : 24 Aug 2016 00:42
 Operator : UM/SJ
 Sample : H4547-02DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Aug 25 14:10:06 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

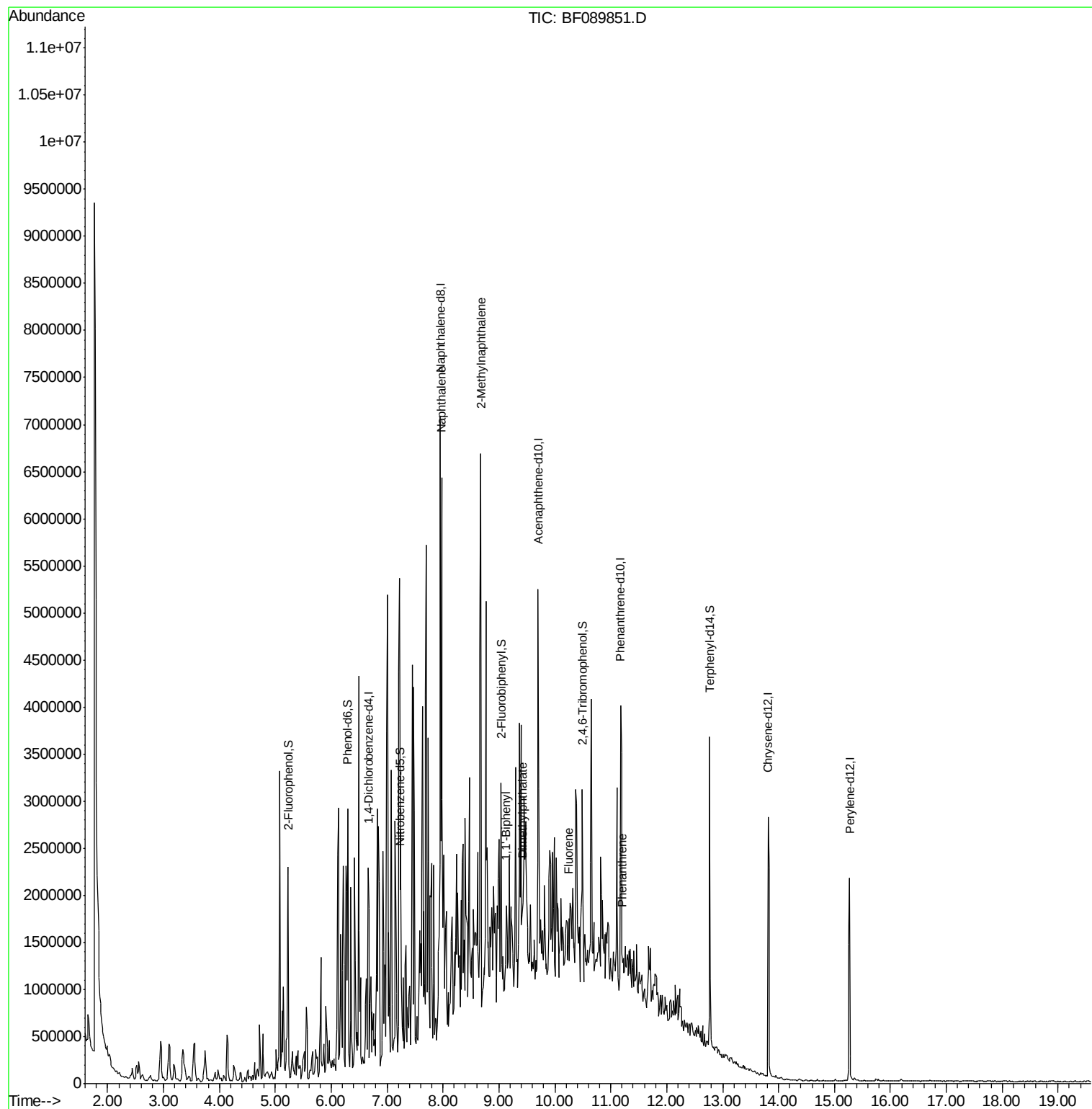
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	410016	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	1603271	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	780403	20.00	ng	-0.01
63) Phenanthrene-d10	11.18	188	1580315	20.00	ng	-0.01
75) Chrysene-d12	13.82	240	1310150	20.00	ng	-0.06
86) Perylene-d12	15.27	264	1052367	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	675854	28.27	ng	-0.02
7) Phenol-d6	6.30	99	953916	32.50	ng	-0.02
23) Nitrobenzene-d5	7.23	82	502921	19.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.49	330	198043	26.70	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	1040135	23.42	ng	-0.01
78) Terphenyl-d14	12.77	244	973719	16.81	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.98	128	2209543	29.49	ng	99
37) 2-Methylnaphthalene	8.67	142	2016938	41.61	ng	99
45) 1,1'-Biphenyl	9.13	154	147461	2.44	ng	95
49) Dimethylphthalate	9.43	163	268647	4.89	ng	# 97
57) Fluorene	10.25	166	122426	2.58	ng	# 78
70) Phenanthrene	11.20	178	209014	2.62	ng	94

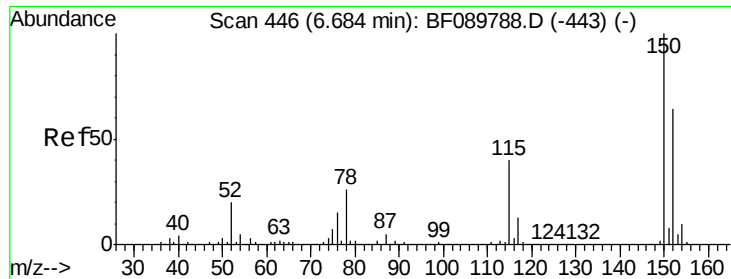
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 19 14:02:57 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.02 min

Lab File: BF089851.D

Acq: 24 Aug 2016 00:42

Instrument :

BNA_F

ClientSampleId :

D2-(3-3.5)DL

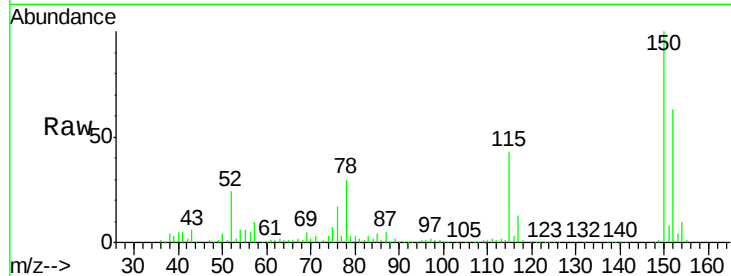
Tgt Ion:152 Resp: 410016

Ion Ratio Lower Upper

152 100

150 159.4 125.3 187.9

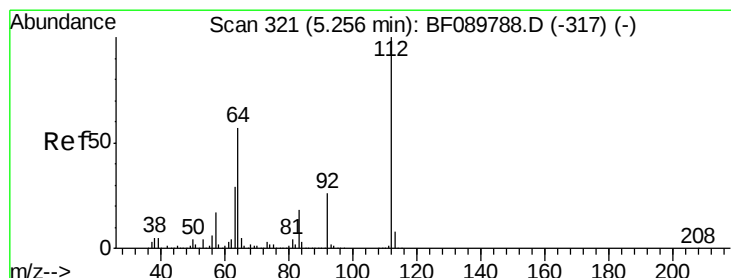
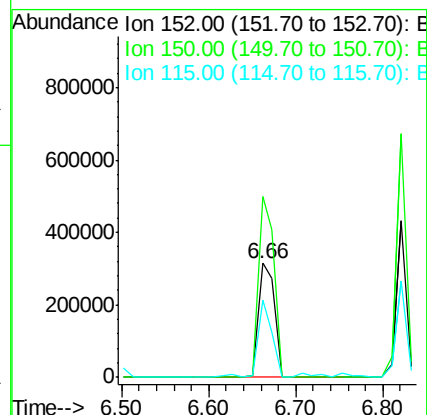
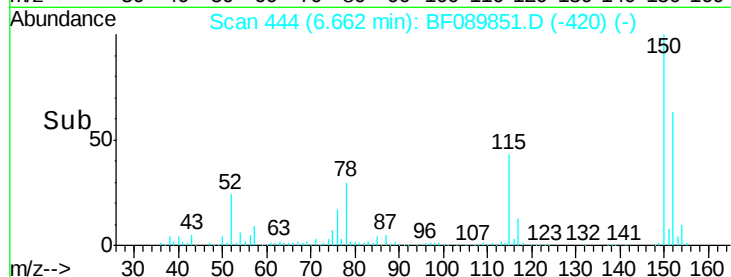
115 68.1 40.9 61.3#



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: 28.27 ng

RT: 5.23 min Scan# 319

Delta R.T. -0.02 min

Lab File: BF089851.D

Acq: 24 Aug 2016 00:42

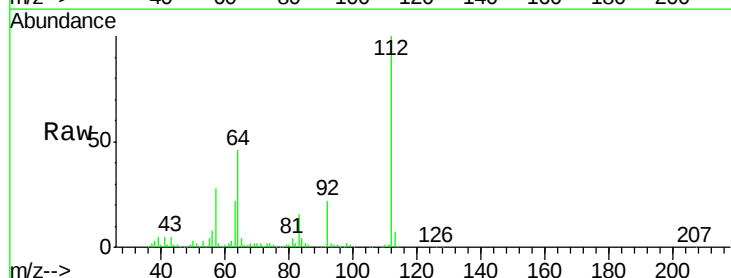
Tgt Ion:112 Resp: 675854

Ion Ratio Lower Upper

112 100

64 46.0 45.0 67.4

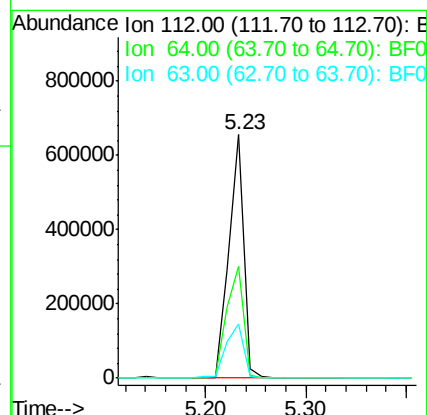
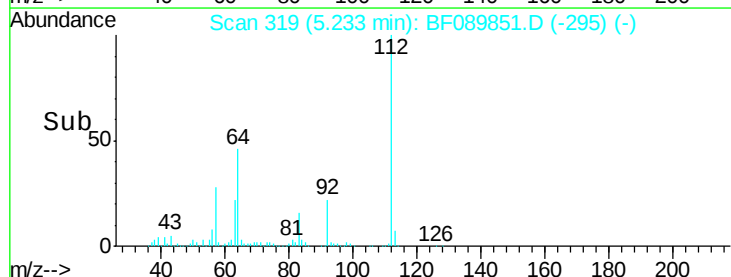
63 22.3 23.1 34.7#

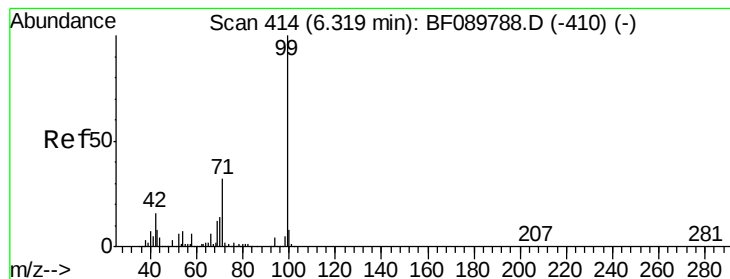


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 32.50 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.02 min

Lab File: BF089851.D

Acq: 24 Aug 2016 00:42

Instrument :

BNA_F

ClientSampleId :

D2-(3-3.5)DL

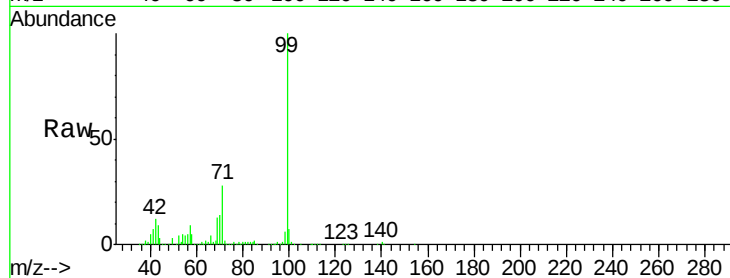
Tgt Ion: 99 Resp: 953916

Ion Ratio Lower Upper

99 100

42 12.4 12.2 18.4

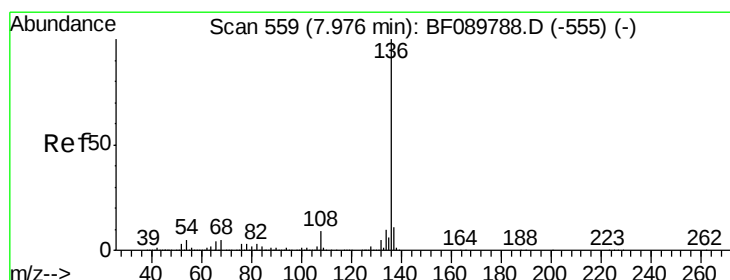
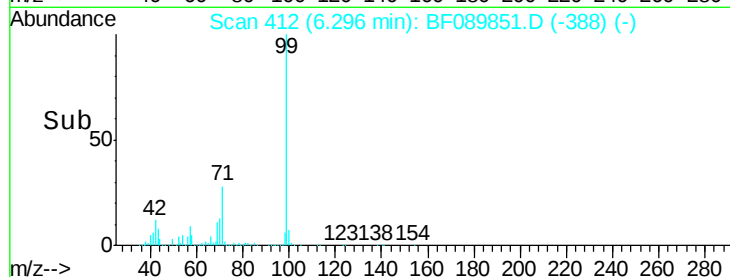
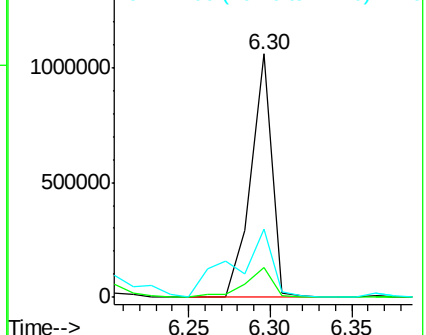
71 27.9 23.8 35.8



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: 7.95 min Scan# 557

Delta R.T. -0.02 min

Lab File: BF089851.D

Acq: 24 Aug 2016 00:42

Tgt Ion: 136 Resp: 1603271

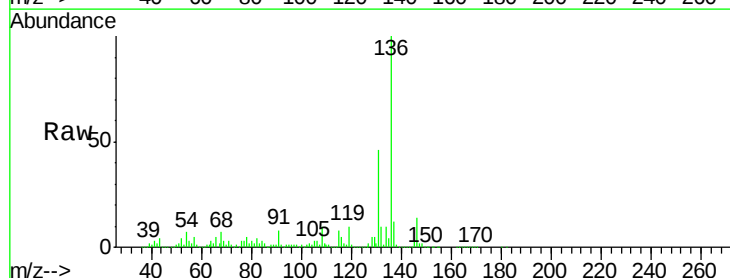
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 7.5 7.2 10.8

68 6.7 5.8 8.8

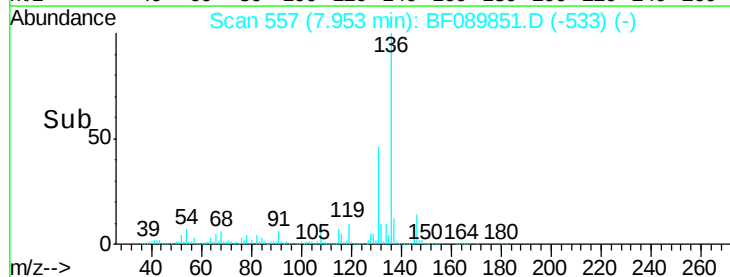
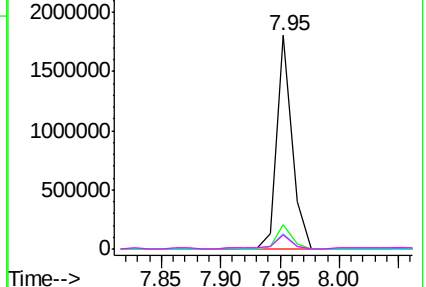


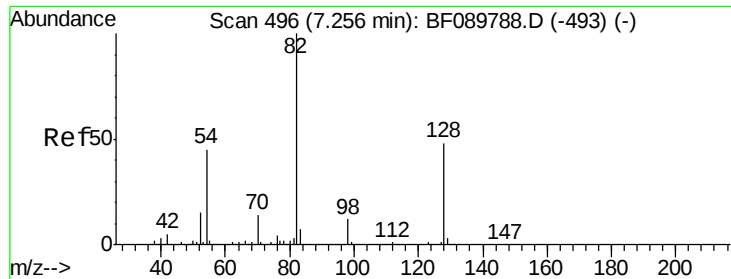
Abundance Ion 136.00 (135.70 to 136.70): E

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: 19.49 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.02 min

Lab File: BF089851.D

Acq: 24 Aug 2016 00:42

Instrument :

BNA_F

ClientSampleId :

D2-(3-3.5)DL

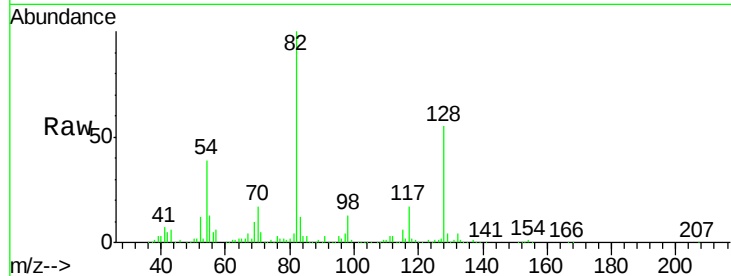
Tgt Ion: 82 Resp: 502921

Ion Ratio Lower Upper

82 100

128 55.0 34.4 51.6#

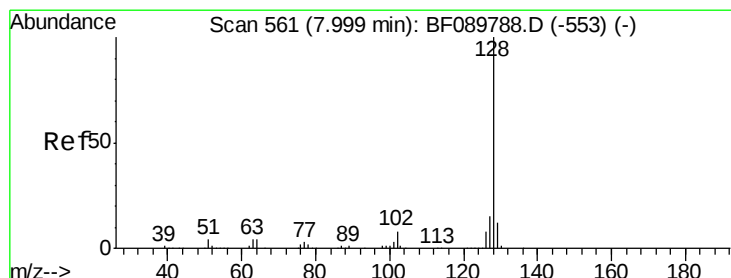
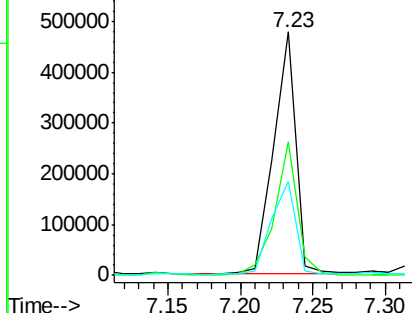
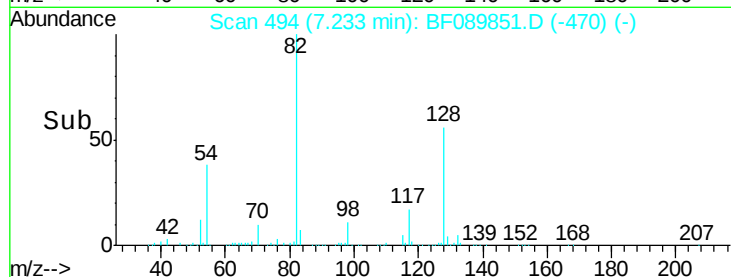
54 38.5 40.3 60.5#



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



#31

Naphthalene

Concen: 29.49 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF089851.D

Acq: 24 Aug 2016 00:42

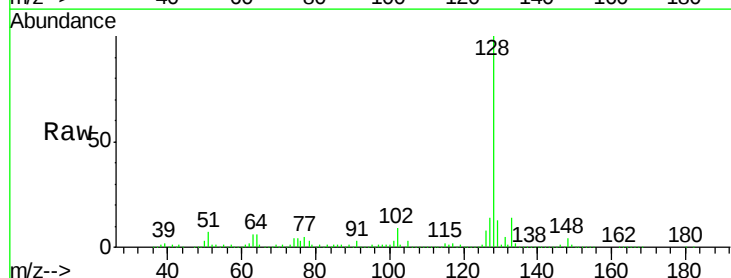
Tgt Ion: 128 Resp: 2209543

Ion Ratio Lower Upper

128 100

129 12.5 9.5 14.3

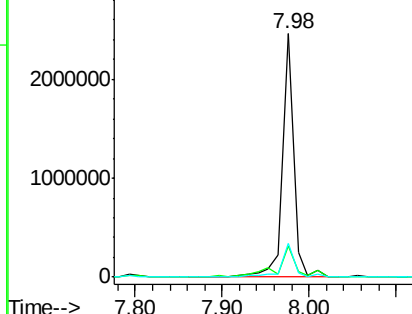
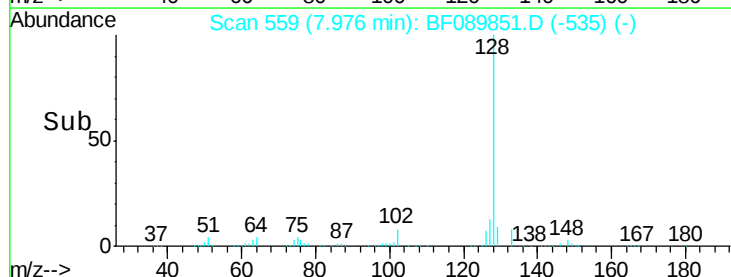
127 14.0 11.3 16.9

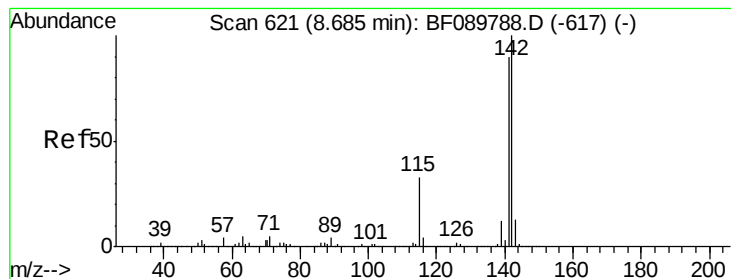


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 41.61 ng

RT: 8.67 min Scan# 620

Delta R.T. -0.01 min

Lab File: BF089851.D

Acq: 24 Aug 2016 00:42

Instrument :

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ClientSampleId :

D2-(3-3.5)DL

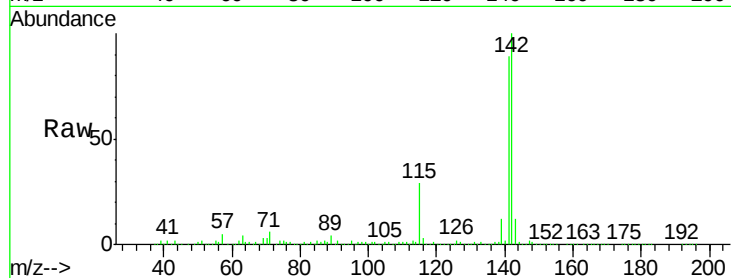
Tgt Ion:142 Resp: 2016938

Ion Ratio Lower Upper

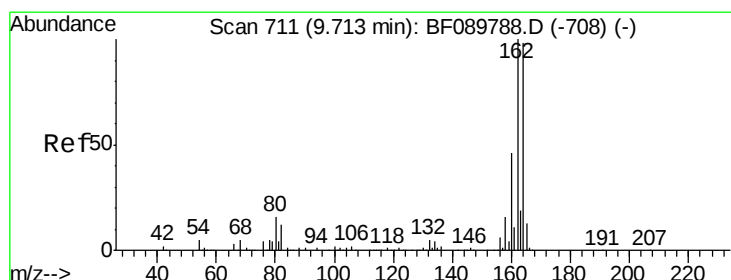
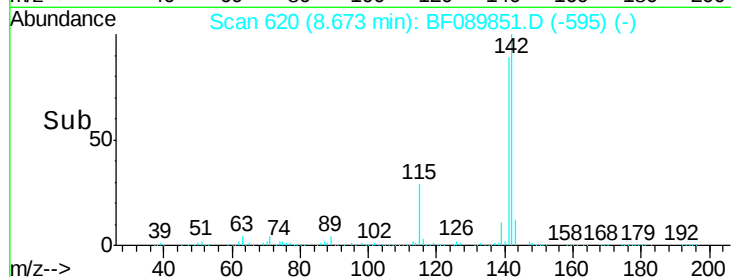
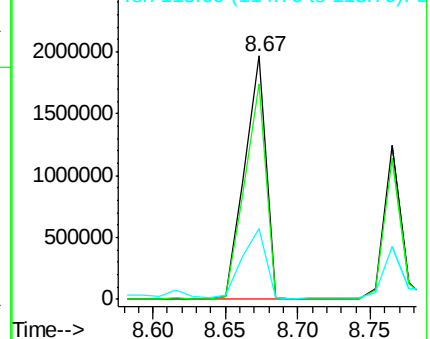
142 100

141 88.7 71.4 107.2

115 28.9 22.7 34.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF089851.D

Acq: 24 Aug 2016 00:42

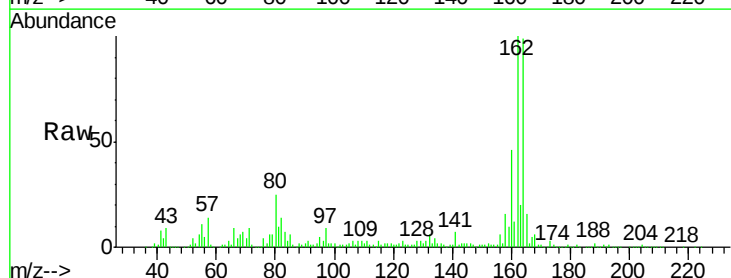
Tgt Ion:164 Resp: 780403

Ion Ratio Lower Upper

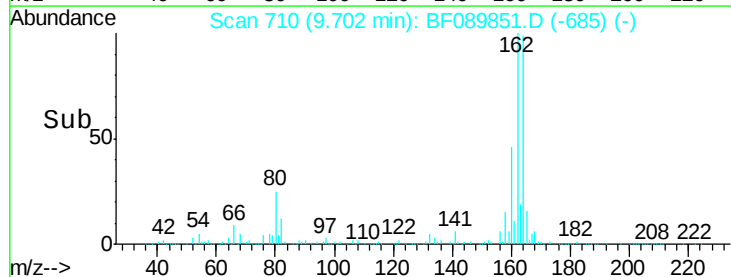
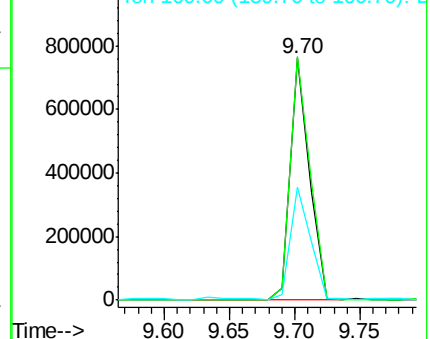
164 100

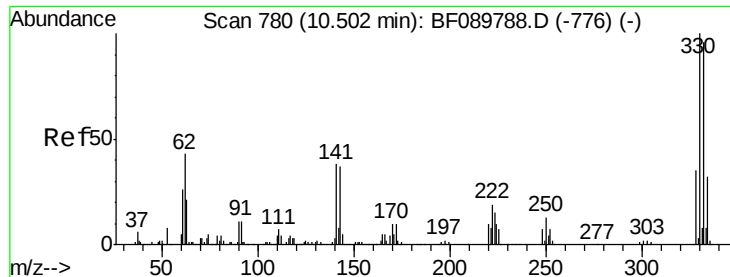
162 100.6 81.4 122.2

160 46.8 37.8 56.6



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

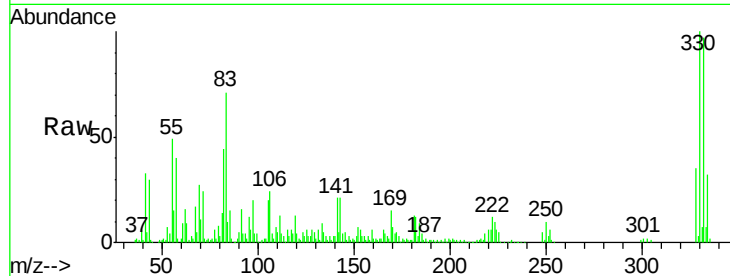




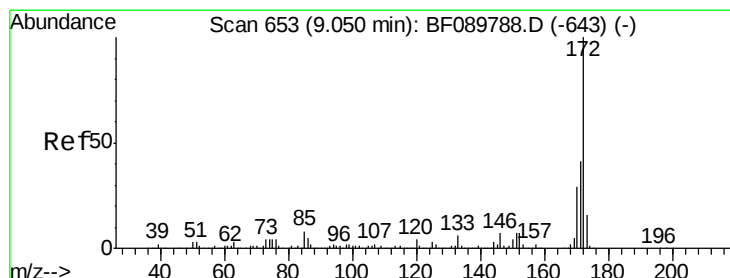
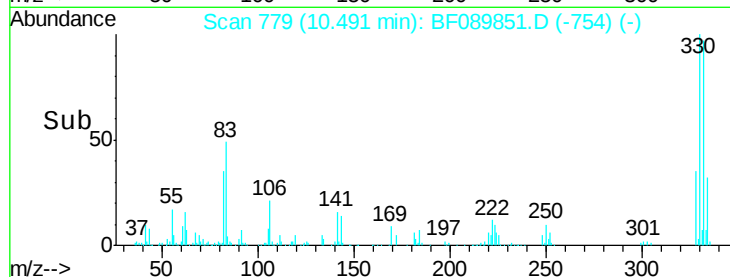
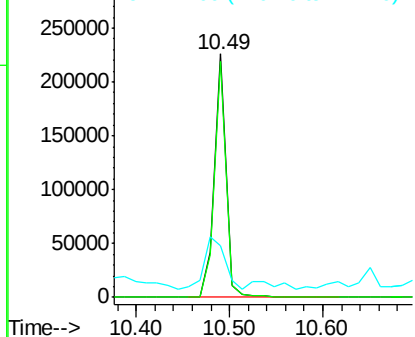
#41
 2,4,6-Tribromophenol
 Concen: 26.70 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089851.D
 Acq: 24 Aug 2016 00:42

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

Tgt Ion:330 Resp: 198043
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.7 115.1
 141 37.8 30.2 45.2

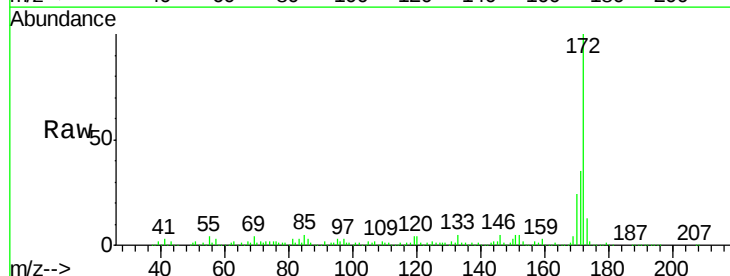


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

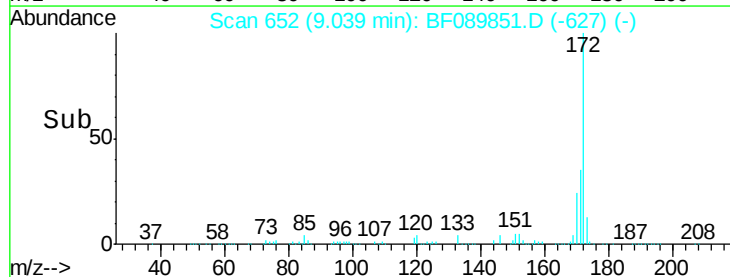
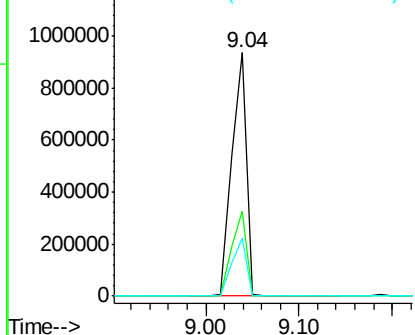


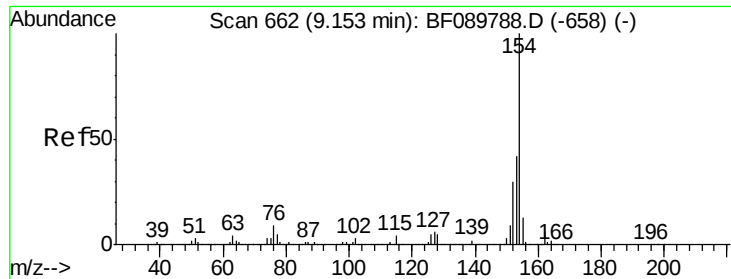
#44
 2-Fluorobiphenyl
 Concen: 23.42 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: BF089851.D
 Acq: 24 Aug 2016 00:42

Tgt Ion:172 Resp: 1040135
 Ion Ratio Lower Upper
 172 100
 171 34.7 30.5 45.7
 170 23.6 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: 2.44 ng

RT: 9.13 min Scan# 660

Delta R.T. -0.02 min

Lab File: BF089851.D

Acq: 24 Aug 2016 00:42

Instrument :

BNA_F

ClientSampleId :

D2-(3-3.5)DL

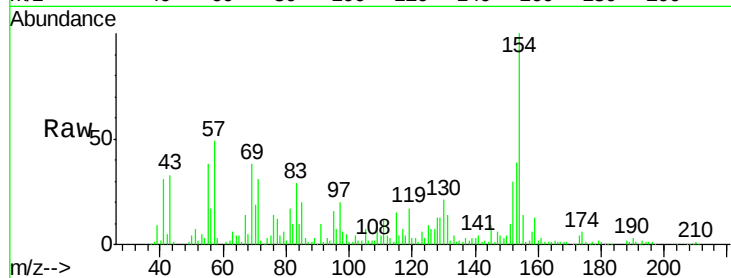
Tgt Ion:154 Resp: 147461

Ion Ratio Lower Upper

154 100

153 39.3 21.5 61.5

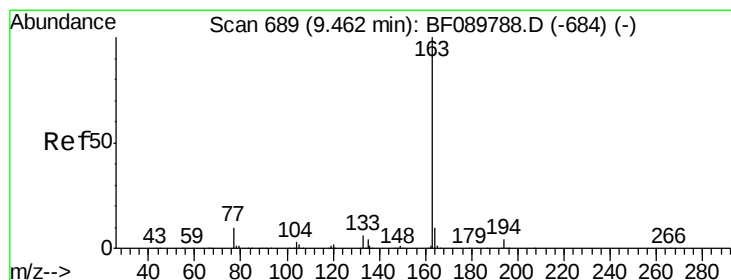
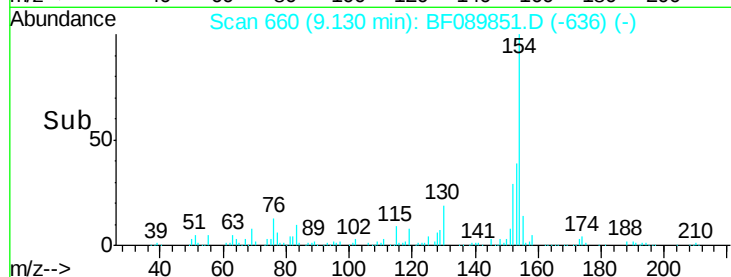
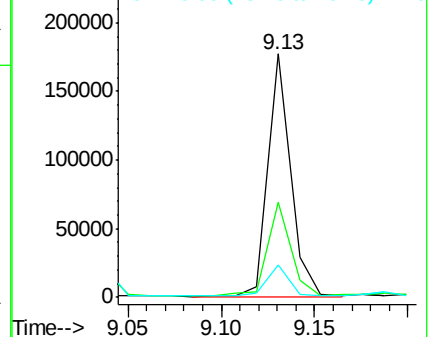
76 13.6 0.0 36.7



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: 4.89 ng

RT: 9.43 min Scan# 686

Delta R.T. -0.03 min

Lab File: BF089851.D

Acq: 24 Aug 2016 00:42

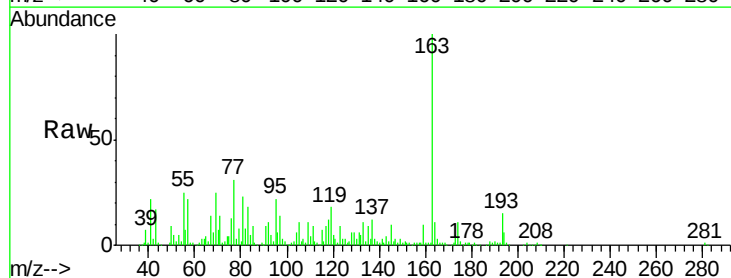
Tgt Ion:163 Resp: 268647

Ion Ratio Lower Upper

163 100

194 6.3 2.6 3.8#

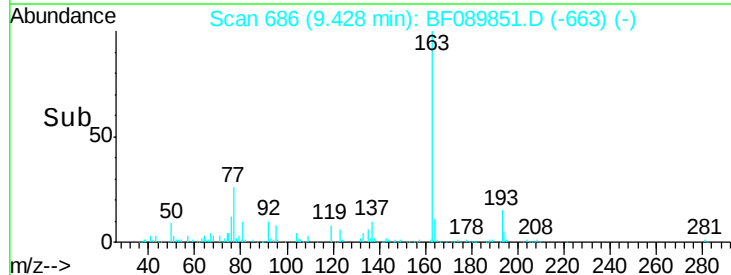
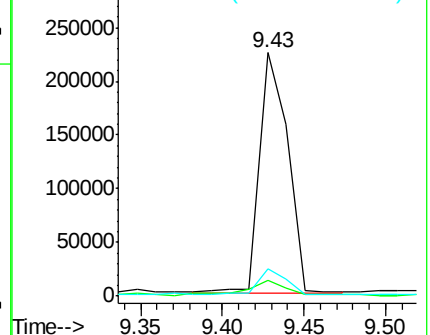
164 11.2 8.6 12.8

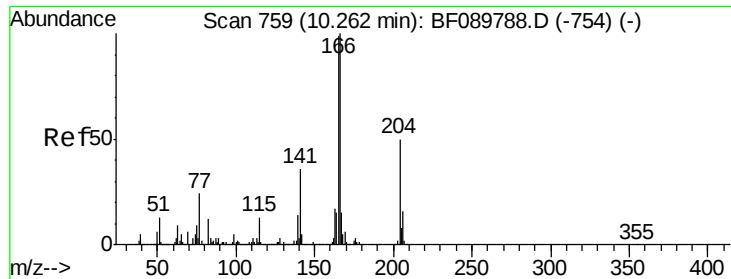


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

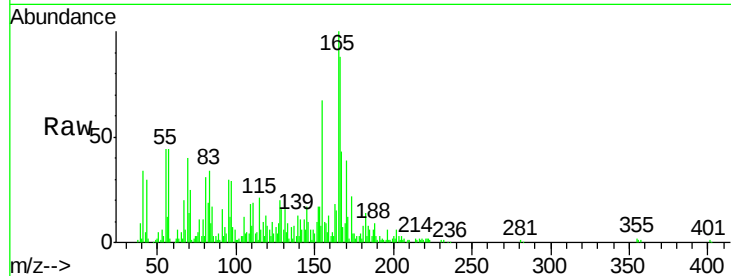




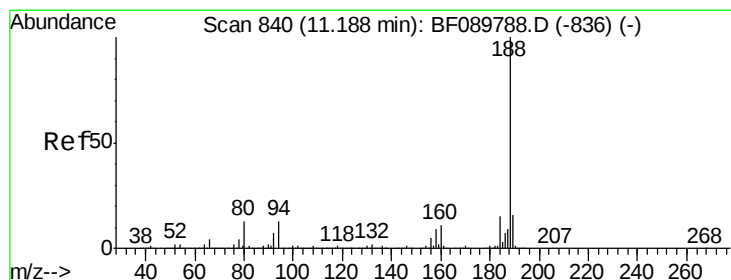
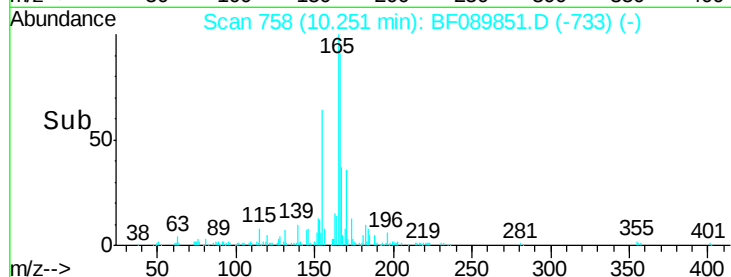
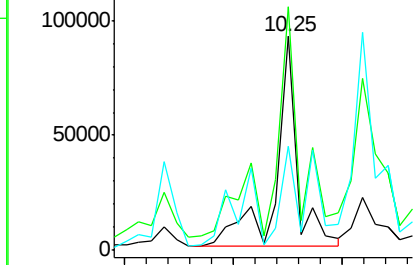
#57
Fluorene
 Concen: 2.58 ng
 RT: 10.25 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: BF089851.D
 Acq: 24 Aug 2016 00:42

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

Tgt Ion:166 Resp: 122426
 Ion Ratio Lower Upper
 166 100
 165 113.8 80.2 120.4
 167 48.5 11.3 16.9#

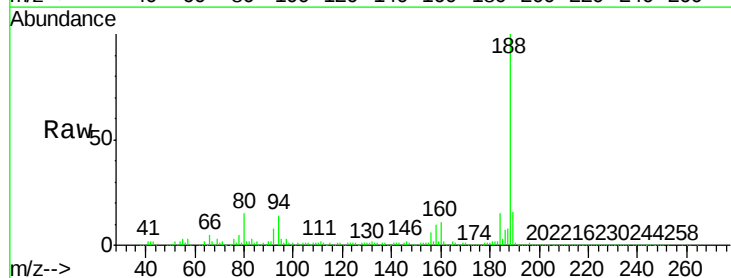


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

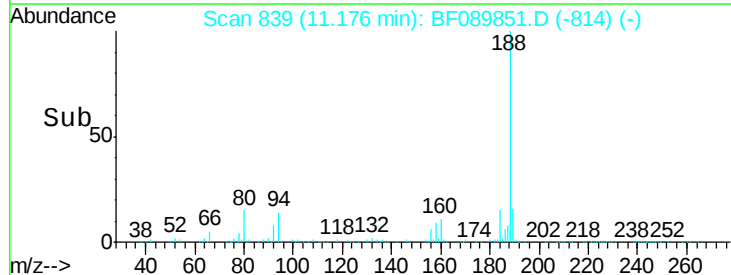
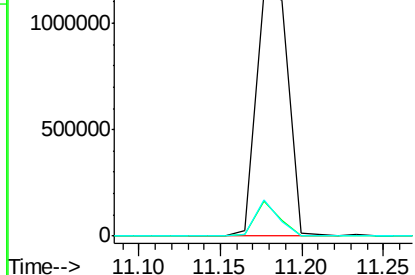


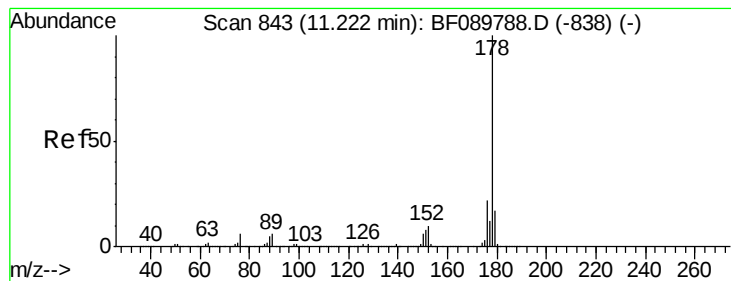
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.18 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF089851.D
 Acq: 24 Aug 2016 00:42

Tgt Ion:188 Resp: 1580315
 Ion Ratio Lower Upper
 188 100
 94 14.2 10.2 15.2
 80 15.1 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: 2.62 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.02 min

Lab File: BF089851.D

Acq: 24 Aug 2016 00:42

Instrument :

BNA_F

ClientSampleId :

D2-(3-3.5)DL

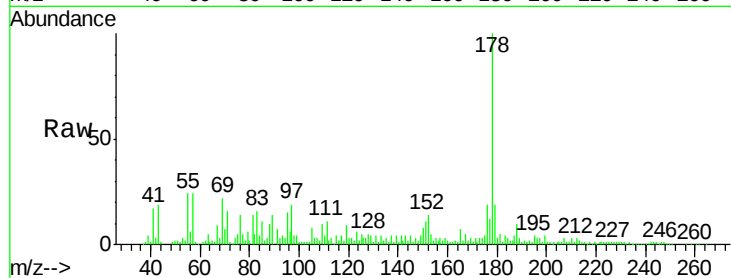
Tgt Ion:178 Resp: 209014

Ion Ratio Lower Upper

178 100

176 18.6 16.4 24.6

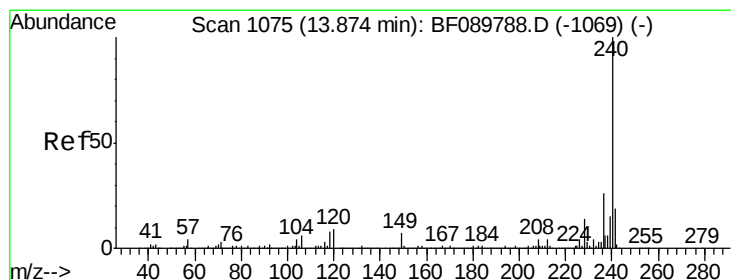
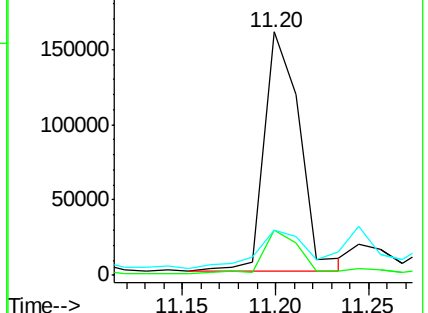
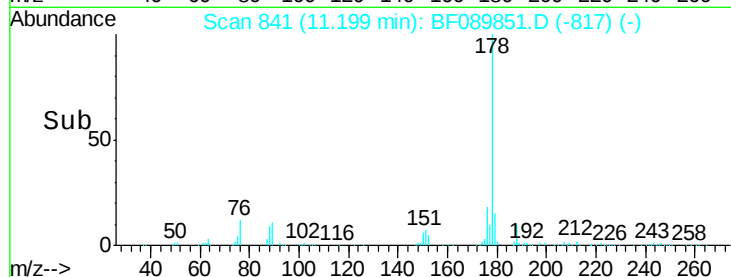
179 18.7 12.5 18.7



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: 13.82 min Scan# 1070

Delta R.T. -0.06 min

Lab File: BF089851.D

Acq: 24 Aug 2016 00:42

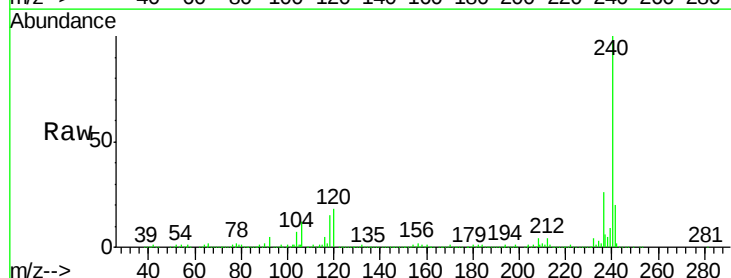
Tgt Ion:240 Resp: 1310150

Ion Ratio Lower Upper

240 100

120 18.1 8.3 12.5#

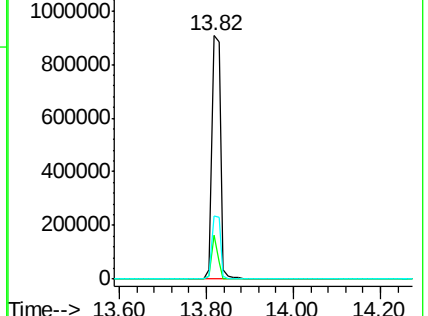
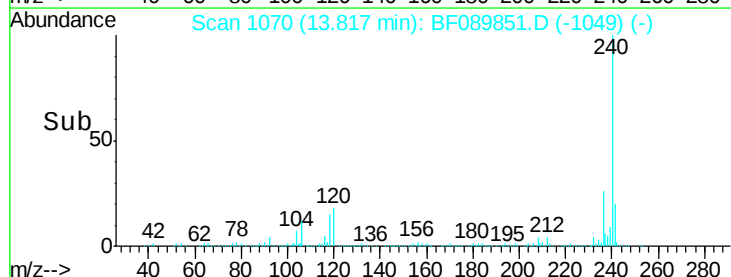
236 25.9 21.3 31.9

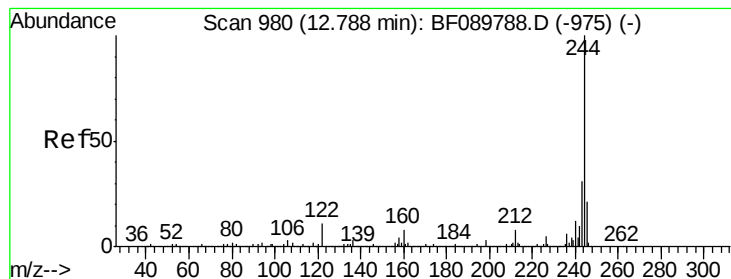


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 16.81 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.02 min

Lab File: BF089851.D

Acq: 24 Aug 2016 00:42

Instrument :

BNA_F

ClientSampleId :

D2-(3-3.5)DL

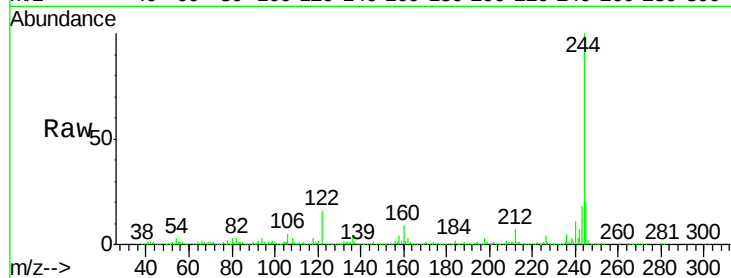
Tgt Ion:244 Resp: 973719

Ion Ratio Lower Upper

244 100

212 7.5 6.3 9.5

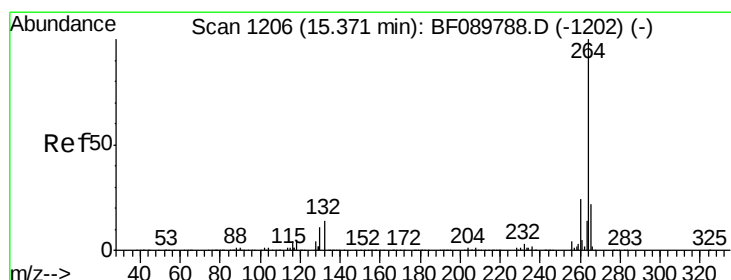
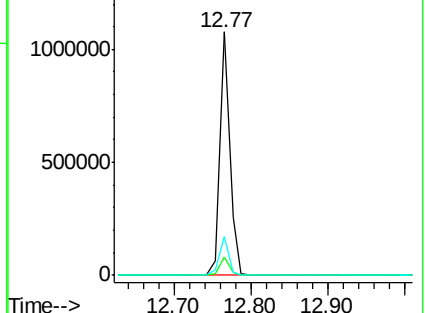
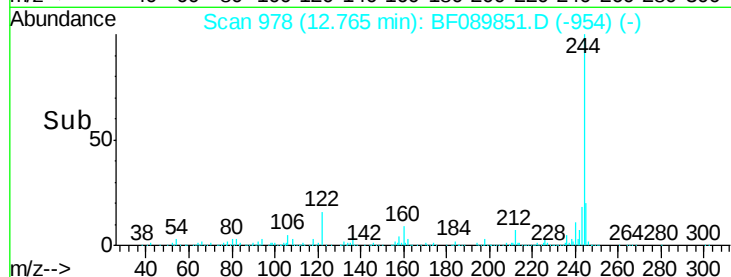
122 16.0 12.0 18.0



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: 15.27 min Scan# 1197

Delta R.T. -0.10 min

Lab File: BF089851.D

Acq: 24 Aug 2016 00:42

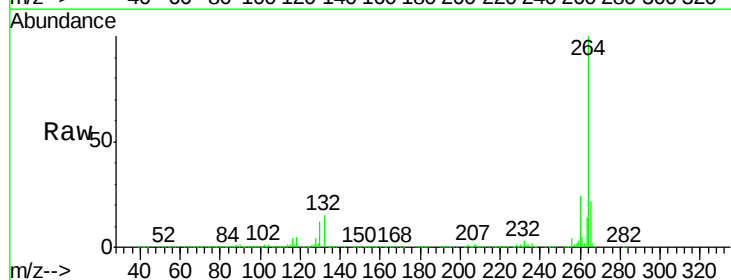
Tgt Ion:264 Resp: 1052367

Ion Ratio Lower Upper

264 100

260 23.9 20.2 30.2

265 21.9 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

