

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082316\
 Data File : BF089853.D
 Acq On : 24 Aug 2016 1:36
 Operator : UM/SJ
 Sample : H4547-09DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-7(3-3.5)DL

Quant Time: Aug 25 14:14:51 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

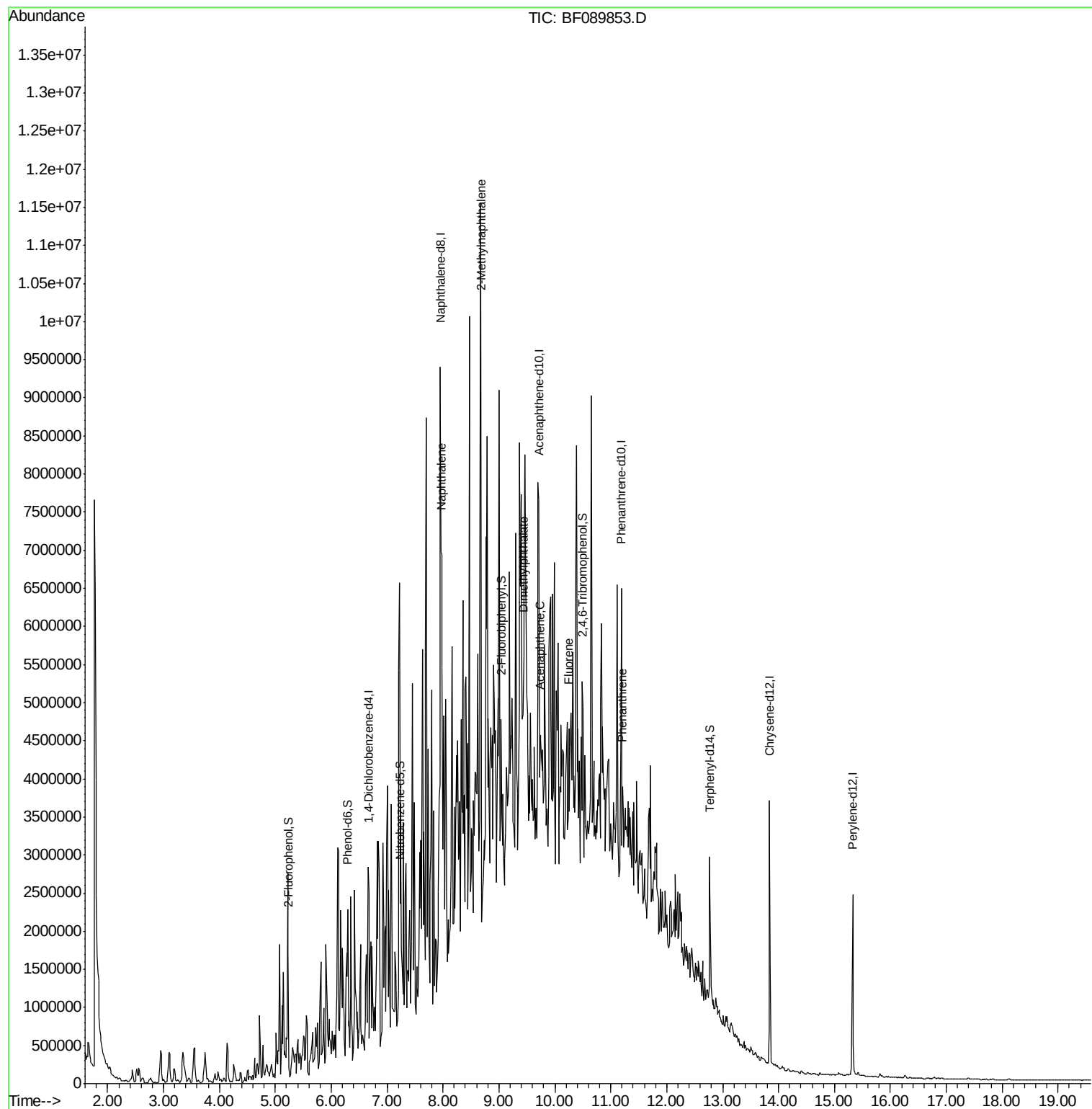
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	428861	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	1574687	20.00	ng	-0.02
38) Acenaphthene-d10	9.71	164	802431	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	1601413	20.00	ng	0.00
75) Chrysene-d12	13.84	240	1300041	20.00	ng	-0.03
86) Perylene-d12	15.33	264	1071377	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	513364	20.53	ng	-0.02
7) Phenol-d6	6.30	99	670653	21.85	ng	-0.02
23) Nitrobenzene-d5	7.23	82	410532	16.20	ng	-0.02
41) 2,4,6-Tribromophenol	10.49	330	119818	15.71	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	802437	17.58	ng	-0.01
78) Terphenyl-d14	12.76	244	714318	12.43	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.98	128	2374789	32.27	ng	99
37) 2-Methylnaphthalene	8.67	142	2468259	51.84	ng	97
49) Dimethylphthalate	9.44	163	216568	3.83	ng	# 94
51) Acenaphthene	9.74	154	119461	2.45	ng	# 86
57) Fluorene	10.25	166	319137	6.53	ng	# 82
70) Phenanthrene	11.21	178	603920	7.47	ng	95

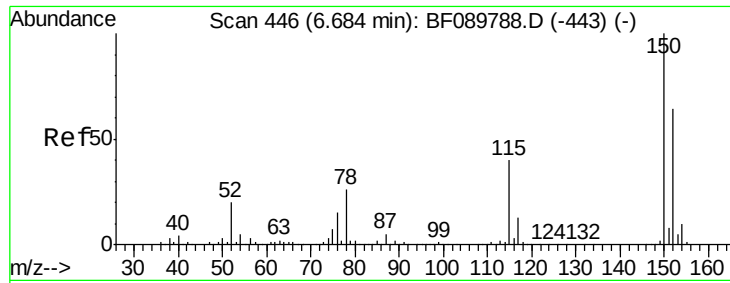
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.02 min

Lab File: BF089853.D

Acq: 24 Aug 2016 1:36

Instrument :

BNA_F

ClientSampleId :

D-7(3-3.5)DL

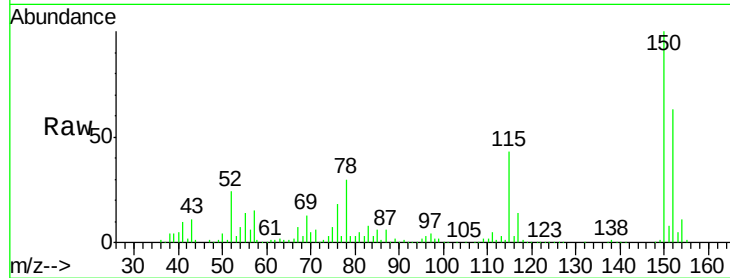
Tgt Ion:152 Resp: 428861

Ion Ratio Lower Upper

152 100

150 159.3 125.3 187.9

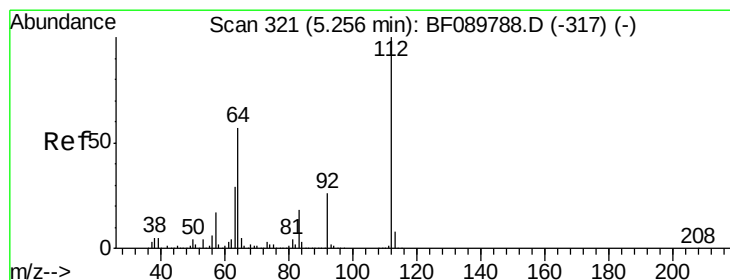
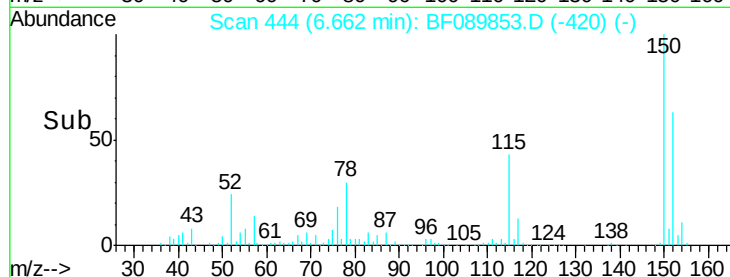
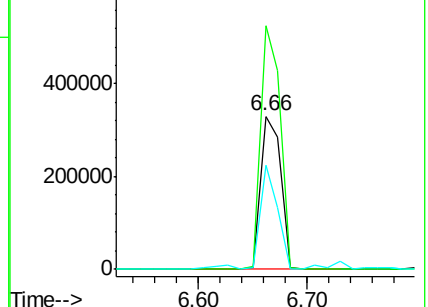
115 68.1 40.9 61.3#



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: 20.53 ng

RT: 5.23 min Scan# 319

Delta R.T. -0.02 min

Lab File: BF089853.D

Acq: 24 Aug 2016 1:36

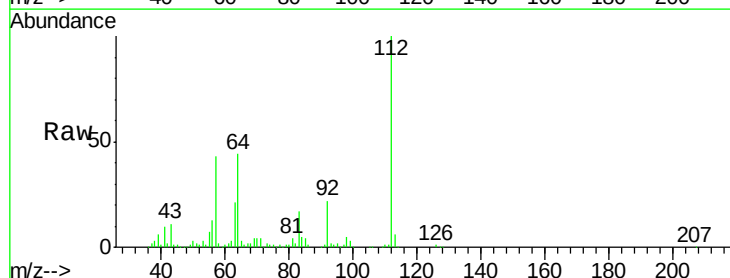
Tgt Ion:112 Resp: 513364

Ion Ratio Lower Upper

112 100

64 44.0 45.0 67.4#

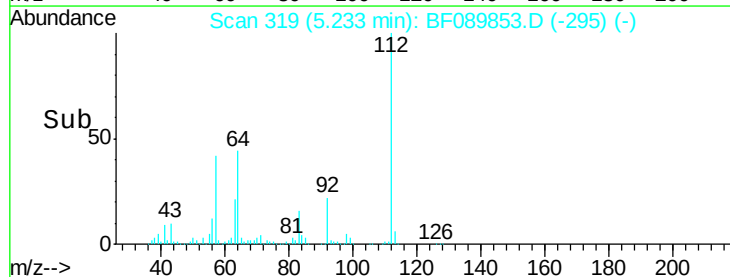
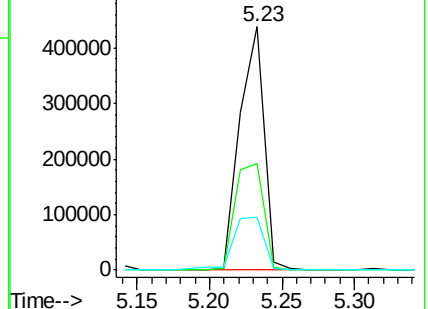
63 21.5 23.1 34.7#

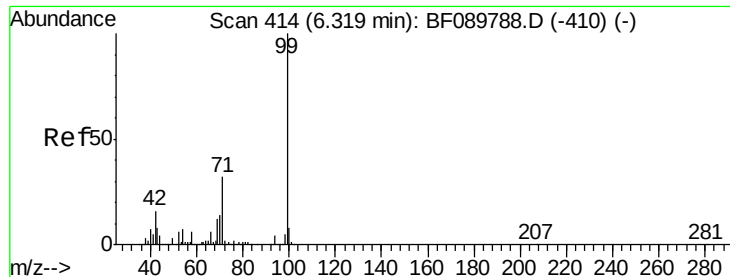


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.85 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.02 min

Lab File: BF089853.D

Acq: 24 Aug 2016 1:36

Instrument :

BNA_F

ClientSampleId :

D-7(3-3.5)DL

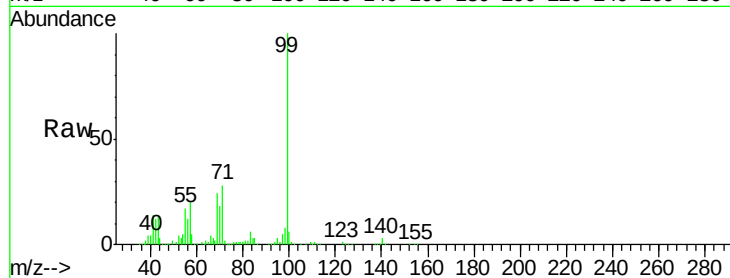
Tgt Ion: 99 Resp: 670653

Ion Ratio Lower Upper

99 100

42 11.7 12.2 18.4#

71 27.6 23.8 35.8

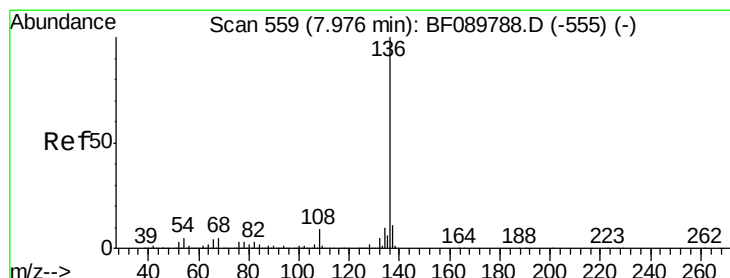
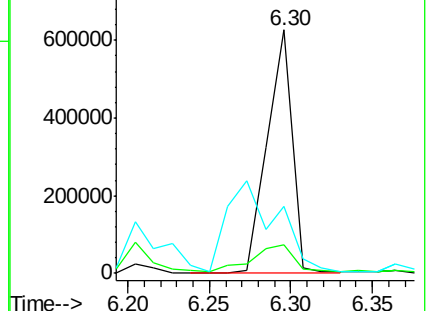
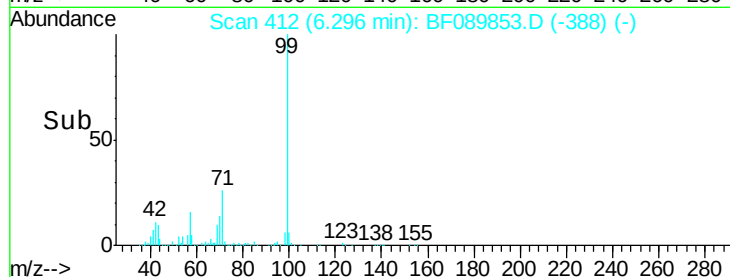


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

6.30



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 557

Delta R.T. -0.02 min

Lab File: BF089853.D

Acq: 24 Aug 2016 1:36

Tgt Ion: 136 Resp: 1574687

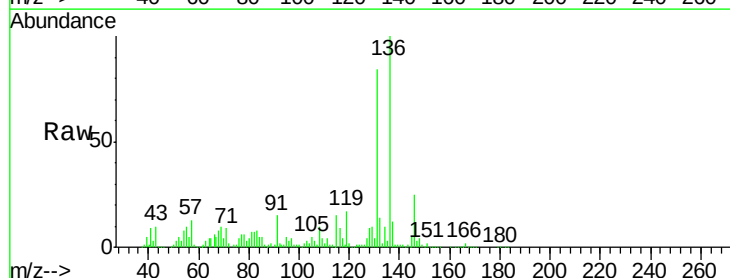
Ion Ratio Lower Upper

136 100

137 12.2 9.2 13.8

54 8.3 7.2 10.8

68 8.0 5.8 8.8

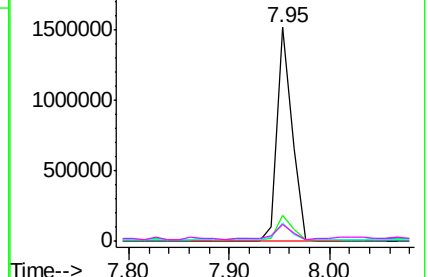
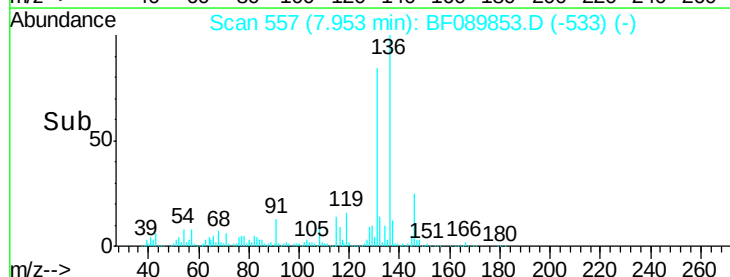


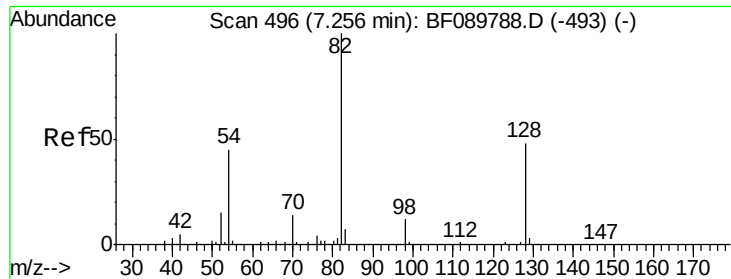
Abundance Ion 136.00 (135.70 to 136.70): E

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

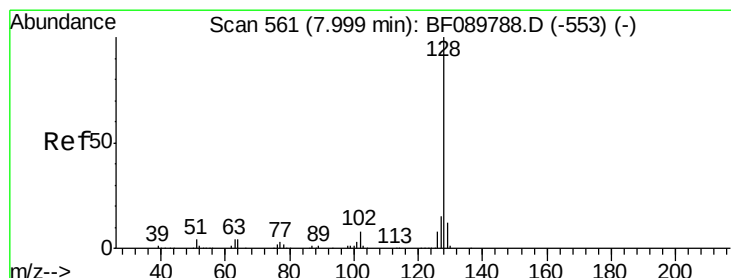
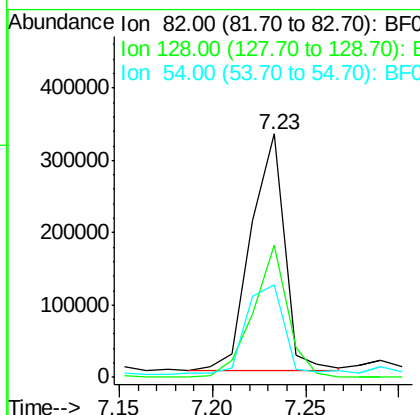
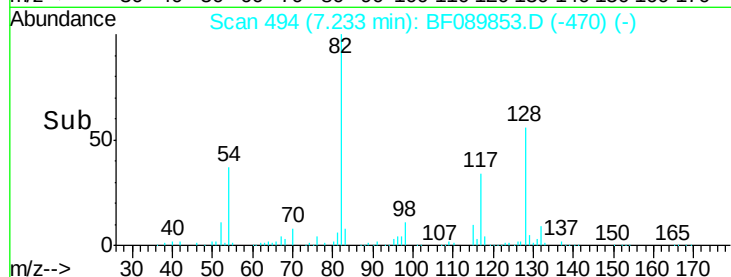
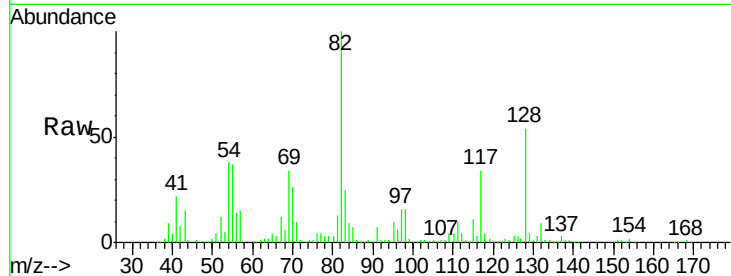




#23
 Nitrobenzene-d5
 Concen: 16.20 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.02 min
 Lab File: BF089853.D
 Acq: 24 Aug 2016 1:36

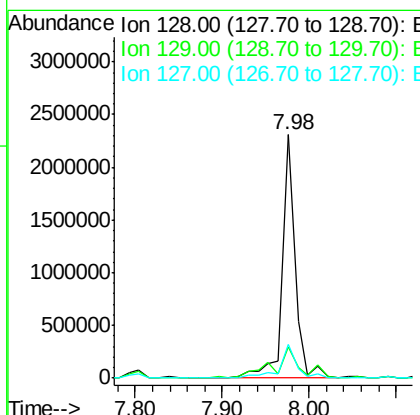
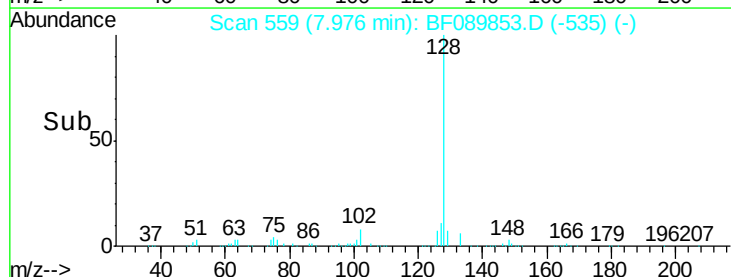
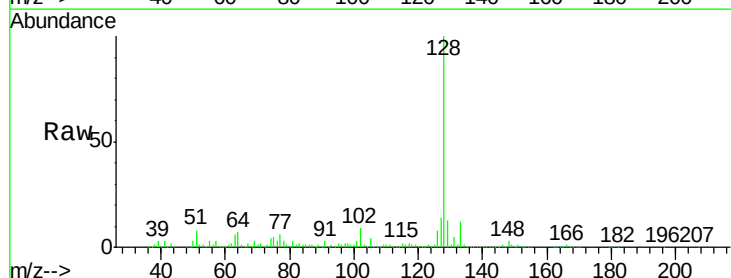
Instrument :
 BNA_F
 ClientSampleId :
 D-7(3-3.5)DL

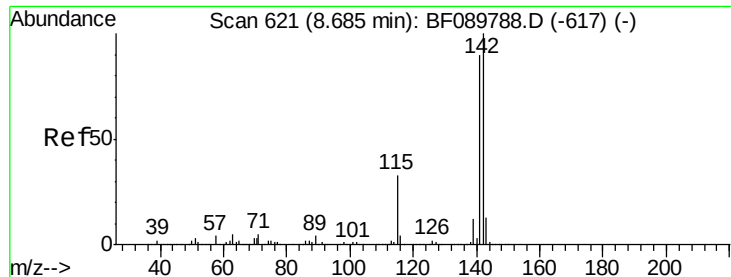
Tgt Ion: 82 Resp: 410532
 Ion Ratio Lower Upper
 82 100
 128 54.3 34.4 51.6#
 54 37.9 40.3 60.5#



#31
 Naphthalene
 Concen: 32.27 ng
 RT: 7.98 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: BF089853.D
 Acq: 24 Aug 2016 1:36

Tgt Ion: 128 Resp: 2374789
 Ion Ratio Lower Upper
 128 100
 129 12.6 9.5 14.3
 127 13.8 11.3 16.9

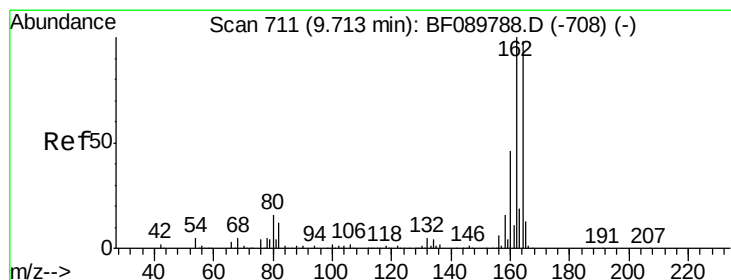
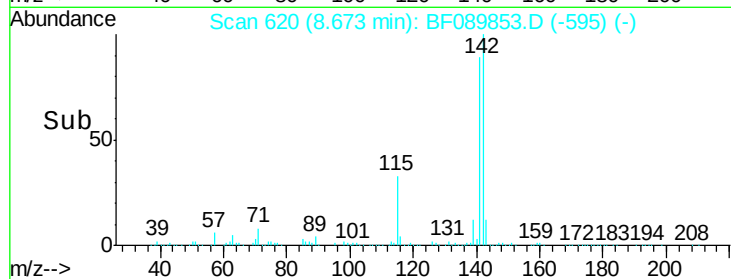
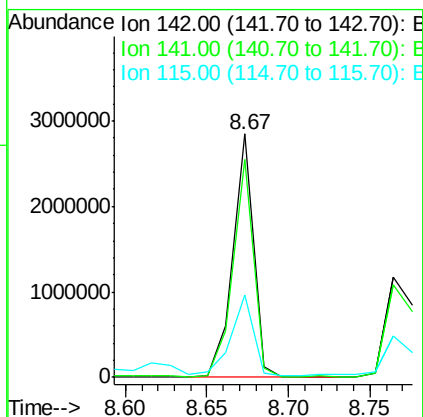
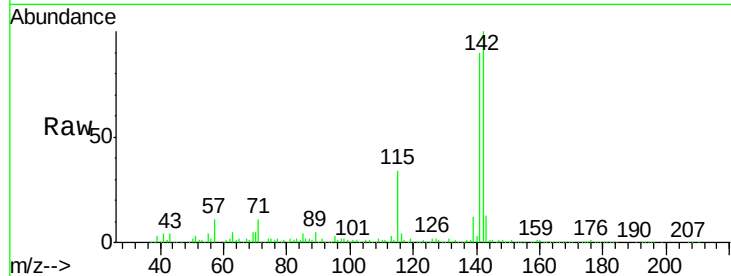




#37
 2-Methylnaphthalene
 Concen: 51.84 ng
 RT: 8.67 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF089853.D
 Acq: 24 Aug 2016 1:36

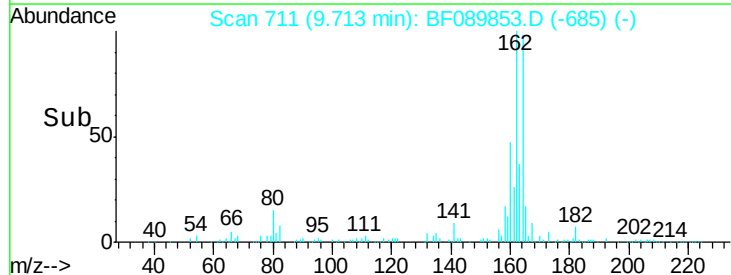
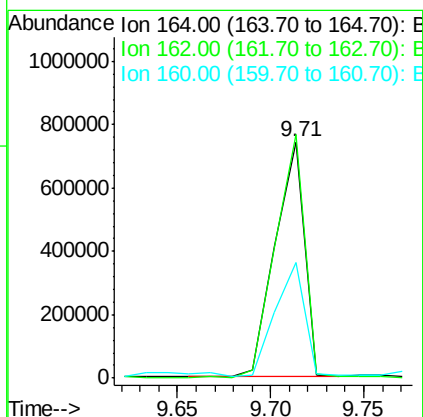
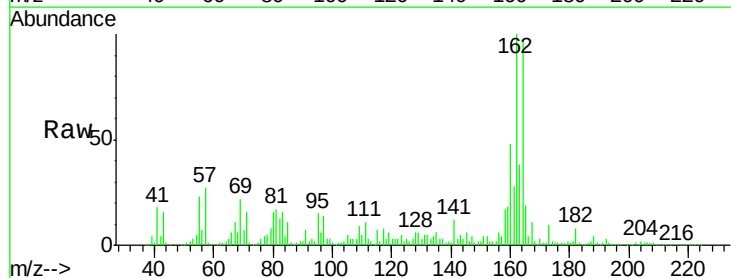
Instrument :
 BNA_F
 ClientSampleId :
 D-7(3-3.5)DL

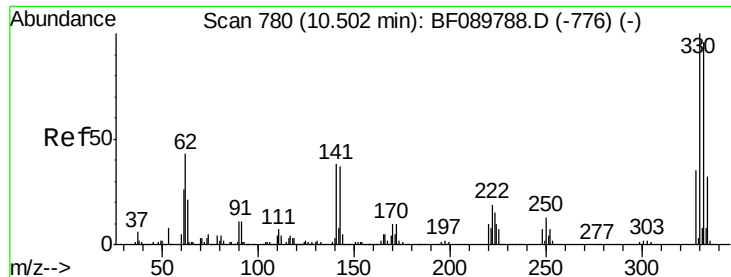
Tgt Ion:142 Resp: 2468259
 Ion Ratio Lower Upper
 142 100
 141 89.6 71.4 107.2
 115 33.8 22.7 34.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: BF089853.D
 Acq: 24 Aug 2016 1:36

Tgt Ion:164 Resp: 802431
 Ion Ratio Lower Upper
 164 100
 162 103.2 81.4 122.2
 160 49.1 37.8 56.6

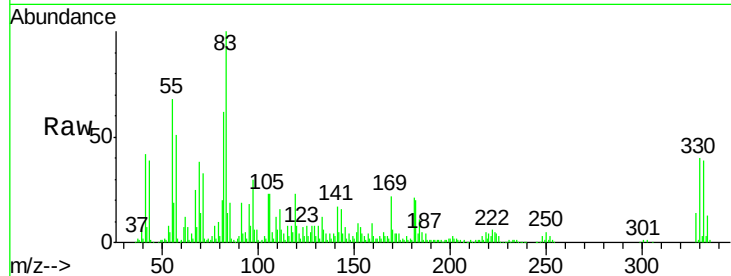




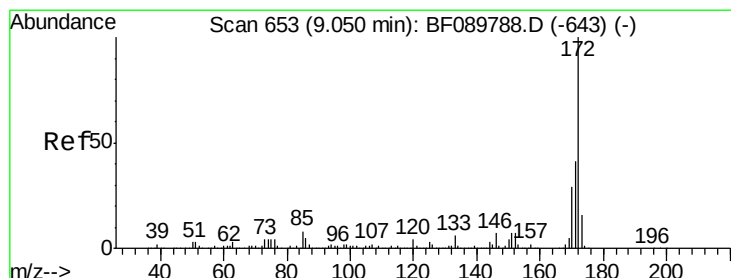
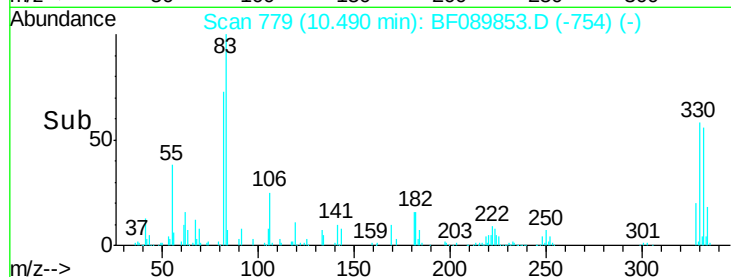
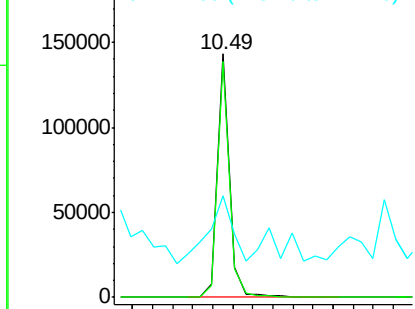
#41
 2,4,6-Tribromophenol
 Concen: 15.71 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089853.D
 Acq: 24 Aug 2016 1:36

Instrument :
 BNA_F
 ClientSampleId :
 D-7(3-3.5)DL

Tgt Ion:330 Resp: 119818
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.7 115.1
 141 55.0 30.2 45.2#

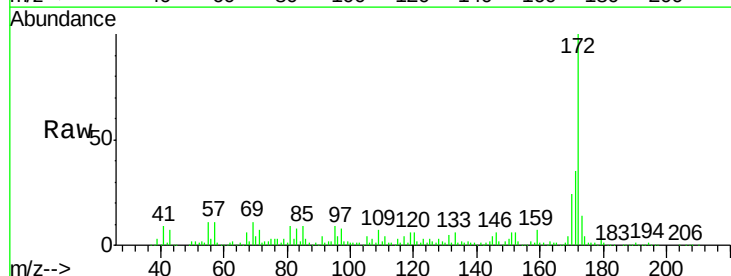


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

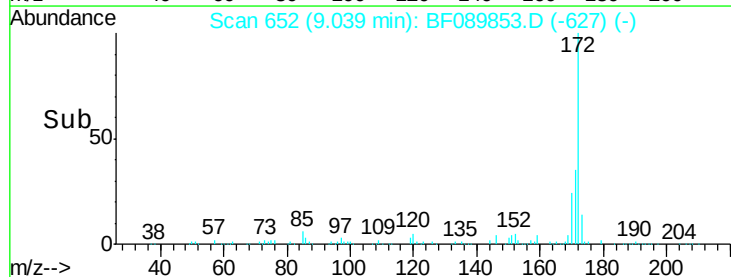
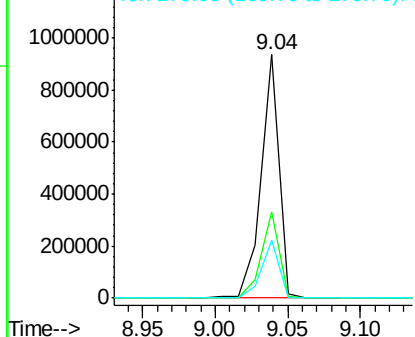


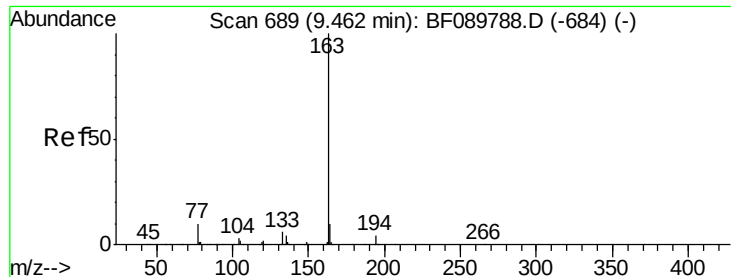
#44
 2-Fluorobiphenyl
 Concen: 17.58 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: BF089853.D
 Acq: 24 Aug 2016 1:36

Tgt Ion:172 Resp: 802437
 Ion Ratio Lower Upper
 172 100
 171 35.2 30.5 45.7
 170 23.7 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

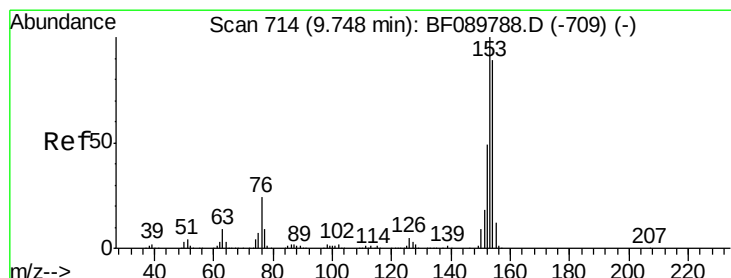
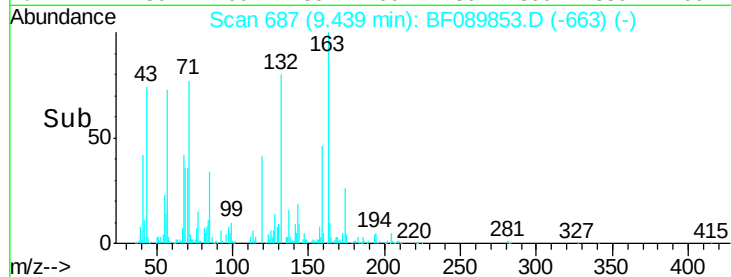
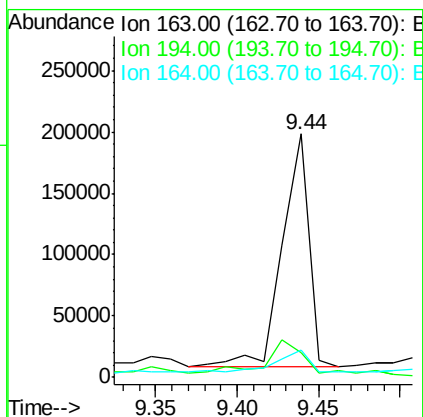
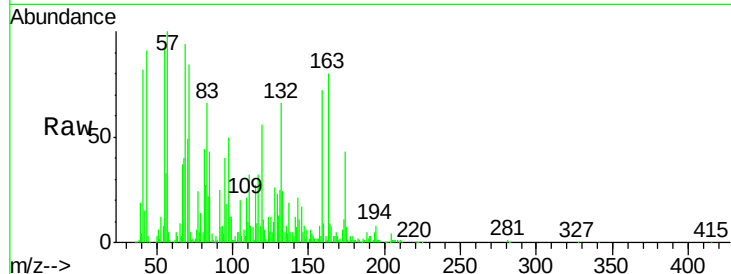




#49
Dimethylphthalate
Concen: 3.83 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF089853.D
Acq: 24 Aug 2016 1:36

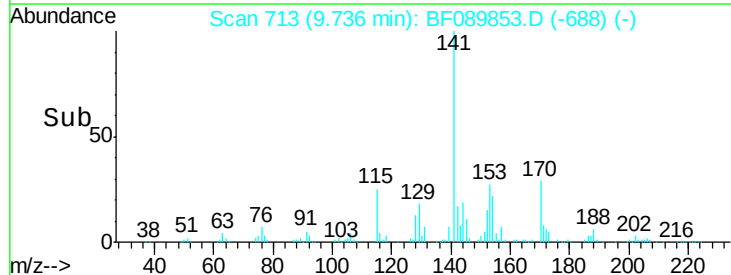
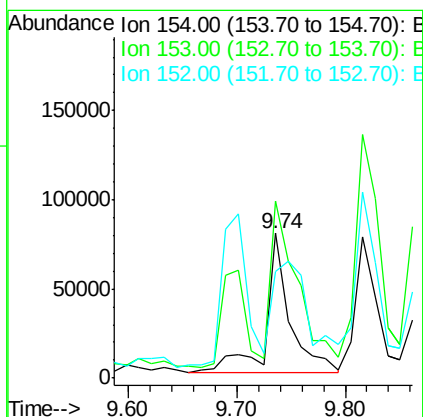
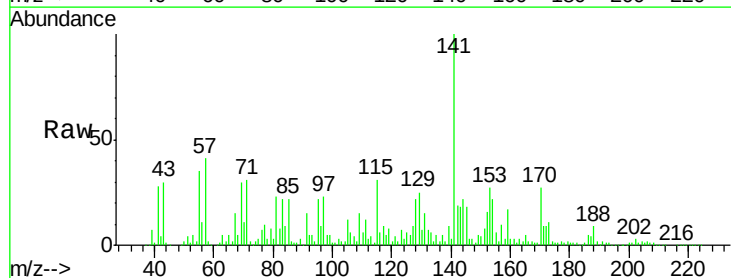
Instrument :
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ClientSampleId :
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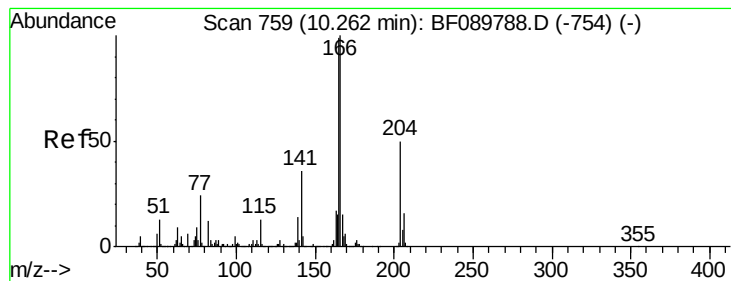
Tgt Ion:163 Resp: 216568
Ion Ratio Lower Upper
163 100
194 10.2 2.6 3.8#
164 11.5 8.6 12.8



#51
Acenaphthene
Concen: 2.45 ng
RT: 9.74 min Scan# 713
Delta R.T. -0.01 min
Lab File: BF089853.D
Acq: 24 Aug 2016 1:36

Tgt Ion:154 Resp: 119461
Ion Ratio Lower Upper
154 100
153 122.8 90.5 135.7
152 74.3 44.6 67.0#





#57

Fluorene

Concen: 6.53 ng

RT: 10.25 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF089853.D

Acq: 24 Aug 2016 1:36

Instrument :

BNA_F

ClientSampleId :

D-7(3-3.5)DL

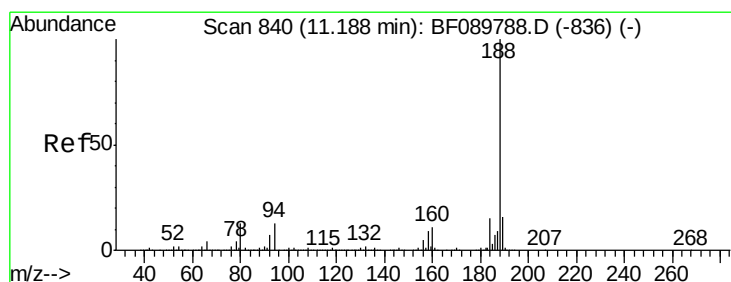
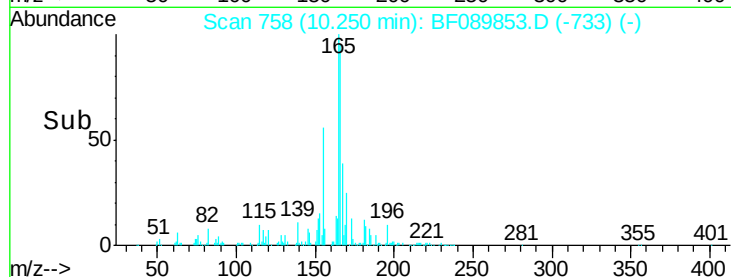
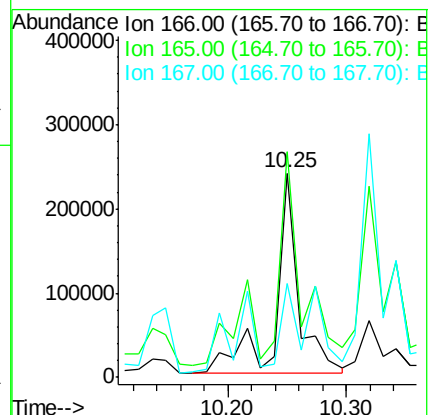
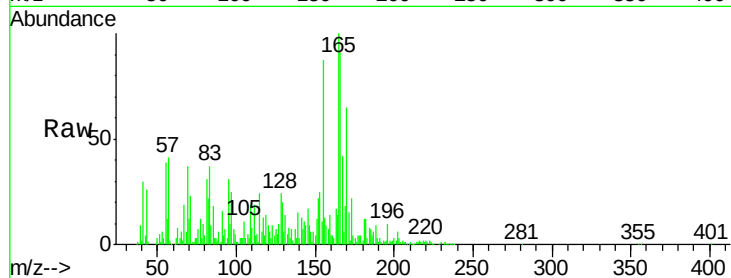
Tgt Ion:166 Resp: 319137

Ion Ratio Lower Upper

166 100

165 110.3 80.2 120.4

167 46.0 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: BF089853.D

Acq: 24 Aug 2016 1:36

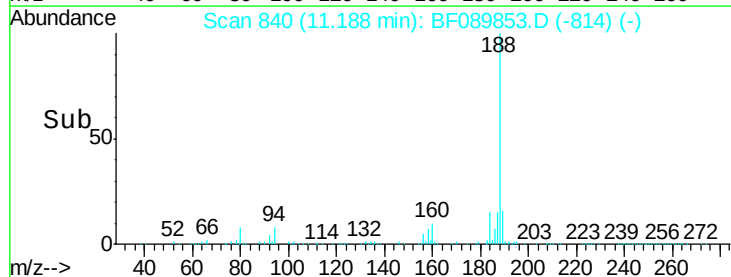
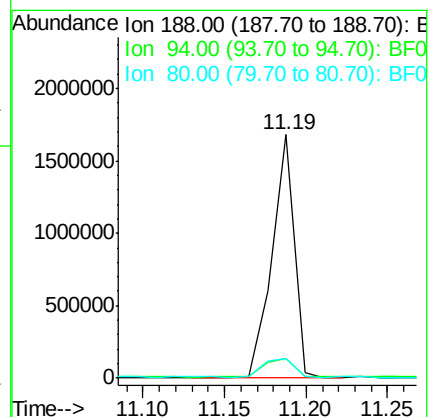
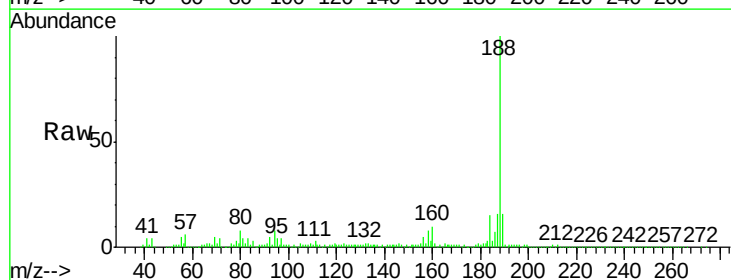
Tgt Ion:188 Resp: 1601413

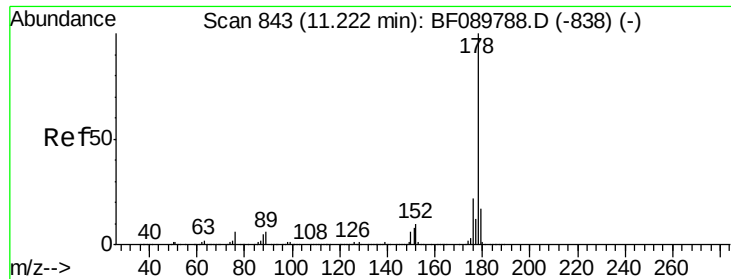
Ion Ratio Lower Upper

188 100

94 8.2 10.2 15.2#

80 8.0 10.9 16.3#

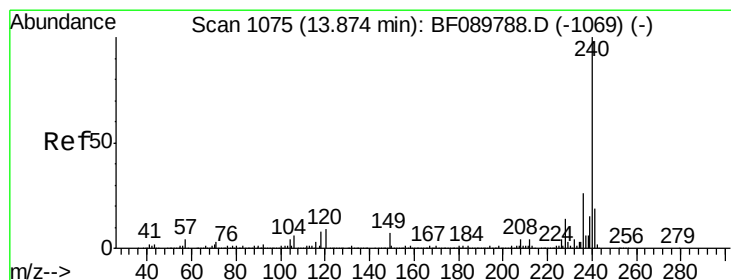
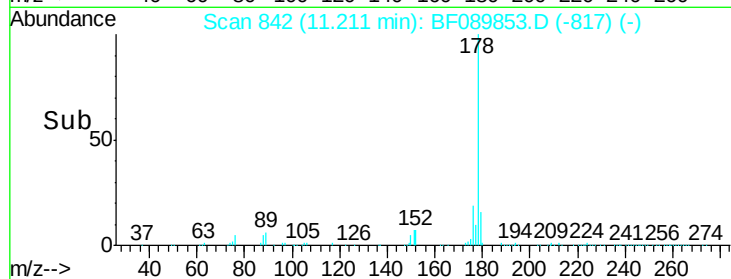
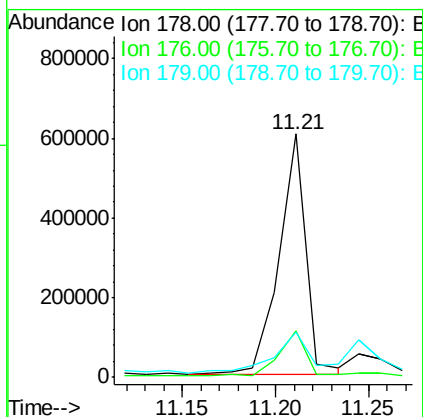
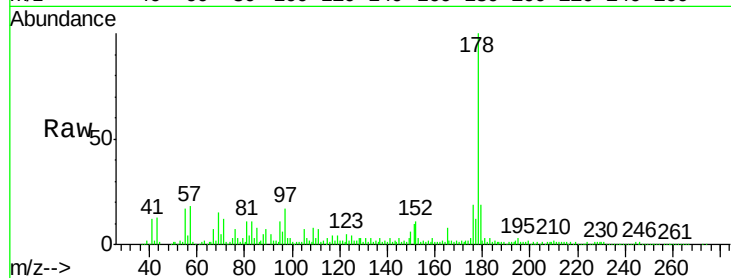




#70
Phenanthrene
Concen: 7.47 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF089853.D
Acq: 24 Aug 2016 1:36

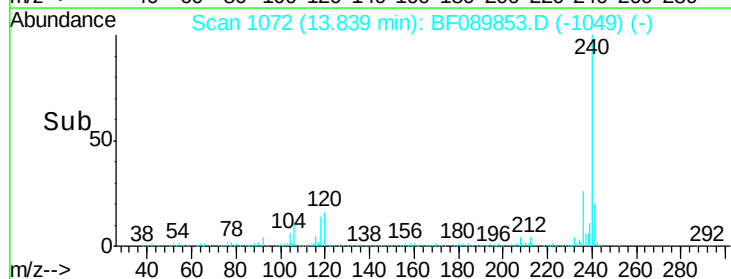
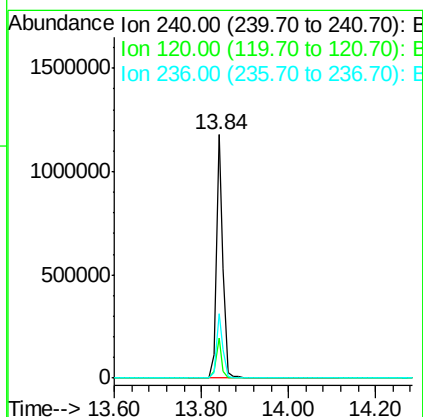
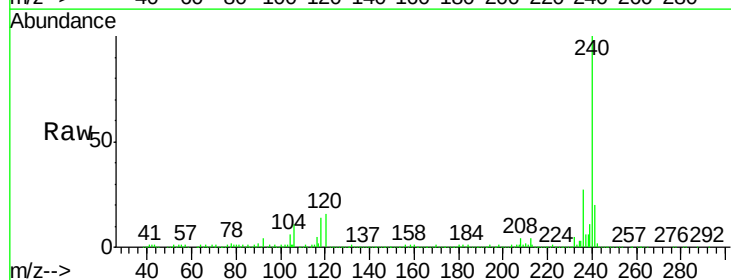
Instrument :
BNA_F
ClientSampleId :
D-7(3-3.5)DL

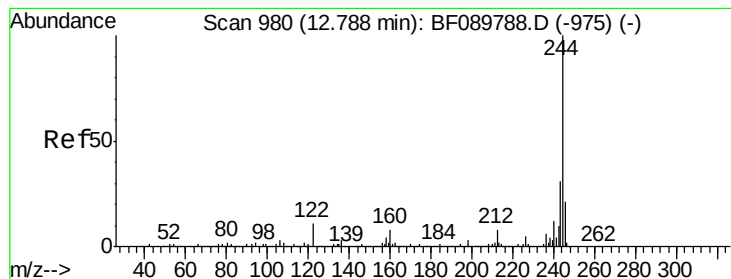
Tgt Ion:178 Resp: 603920
Ion Ratio Lower Upper
178 100
176 19.1 16.4 24.6
179 18.6 12.5 18.7



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.84 min Scan# 1072
Delta R.T. -0.03 min
Lab File: BF089853.D
Acq: 24 Aug 2016 1:36

Tgt Ion:240 Resp: 1300041
Ion Ratio Lower Upper
240 100
120 16.4 8.3 12.5#
236 26.5 21.3 31.9





#78

Terphenyl-d14

Concen: 12.43 ng

RT: 12.76 min Scan# 978

Delta R.T. -0.02 min

Lab File: BF089853.D

Acq: 24 Aug 2016 1:36

Instrument :

BNA_F

ClientSampleId :

D-7(3-3.5)DL

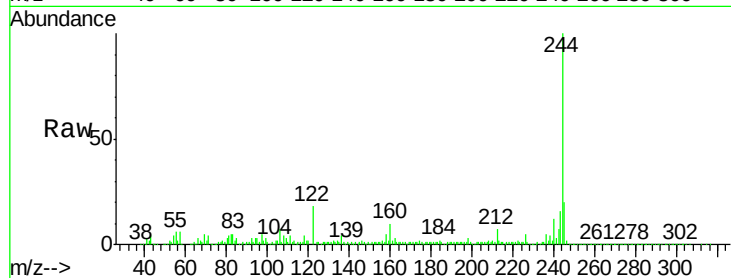
Tgt Ion:244 Resp: 714318

Ion Ratio Lower Upper

244 100

212 7.3 6.3 9.5

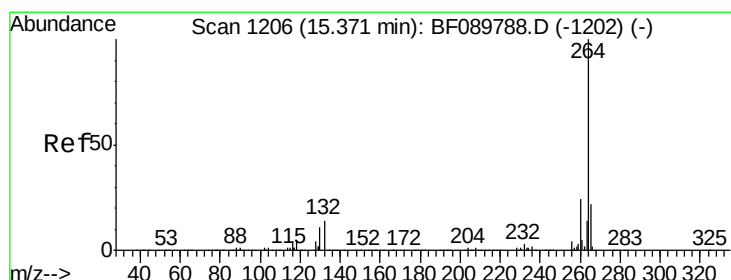
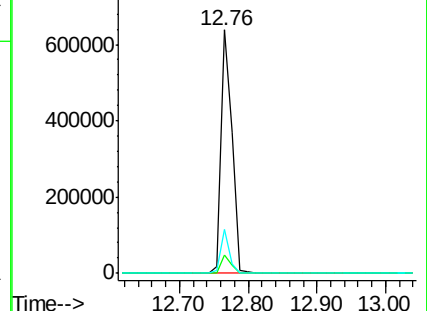
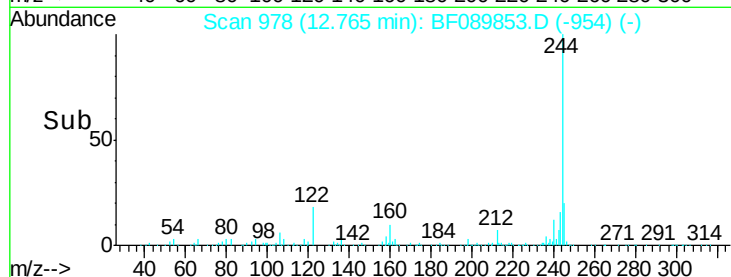
122 17.9 12.0 18.0



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: 15.33 min Scan# 1202

Delta R.T. -0.05 min

Lab File: BF089853.D

Acq: 24 Aug 2016 1:36

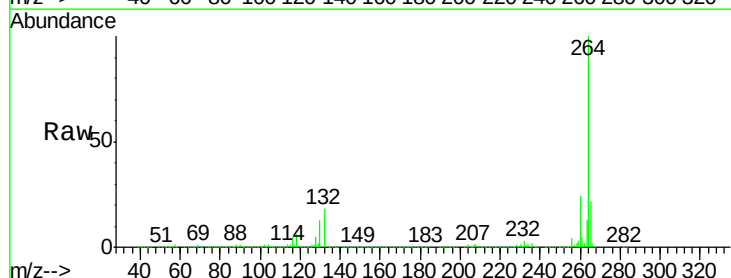
Tgt Ion:264 Resp: 1071377

Ion Ratio Lower Upper

264 100

260 24.3 20.2 30.2

265 21.8 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

