

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082616\
 Data File : BF089923.D
 Acq On : 26 Aug 2016 22:29
 Operator : UM/SJ
 Sample : H4599-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ERM-33R

Quant Time: Aug 26 23:08:10 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 26 18:51:25 2016
 Response via : Initial Calibration

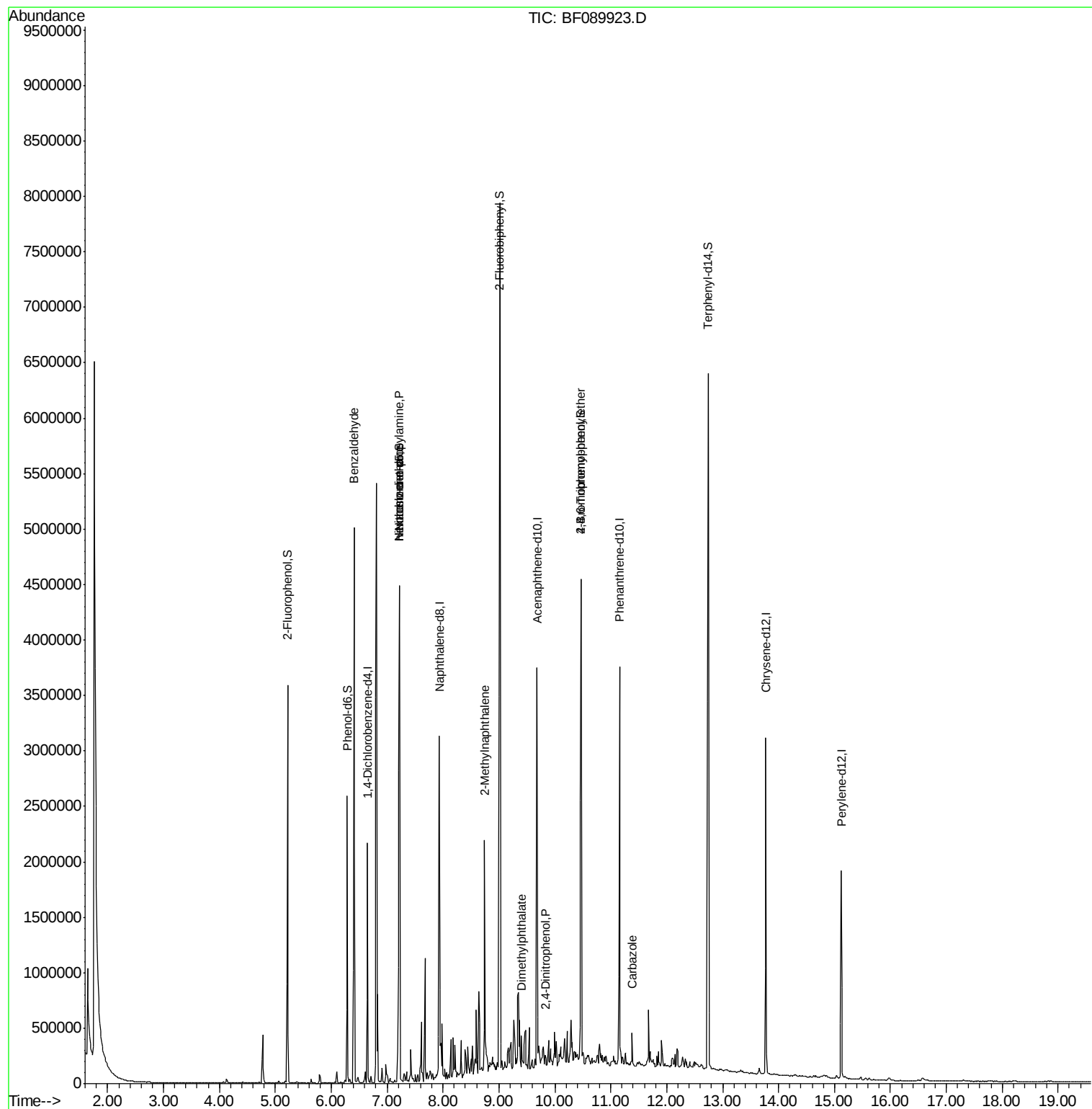
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	363517	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	1303428	20.00	ng	-0.01
38) Acenaphthene-d10	9.68	164	672845	20.00	ng	-0.01
63) Phenanthrene-d10	11.15	188	1244559	20.00	ng	0.00
75) Chrysene-d12	13.77	240	1027486	20.00	ng	-0.01
86) Perylene-d12	15.12	264	836164	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1042413	49.18	ng	0.00
7) Phenol-d6	6.28	99	913744	35.12	ng	-0.01
23) Nitrobenzene-d5	7.22	82	1886190	89.90	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	642924	100.54	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	2693779	70.36	ng	0.00
78) Terphenyl-d14	12.74	244	2266153	49.90	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.41	77	35331	2.08	ng	84
18) Hexachloroethane	7.22	117	218194	22.46	ng	# 2
19) n-Nitroso-di-n-propylamine	7.22	70	245675	14.76	ng	# 70
37) 2-Methylnaphthalene	8.74	142	512365	13.00	ng	96
49) Dimethylphthalate	9.40	163	107519	2.27	ng	98
53) 2,4-Dinitrophenol	9.83	184	2296	2.75	ng	# 46
66) 4-Bromophenyl-phenylether	10.47	248	39171	3.00	ng	# 1
72) Carbazole	11.38	167	117196	2.04	ng	# 95

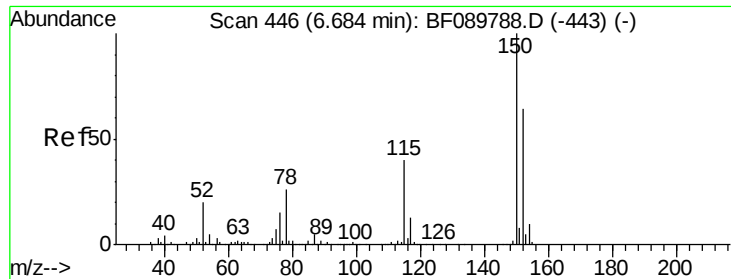
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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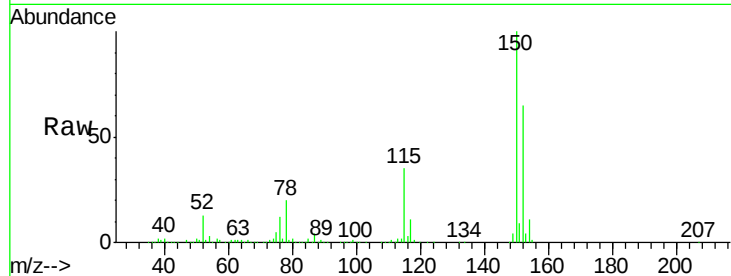


#1

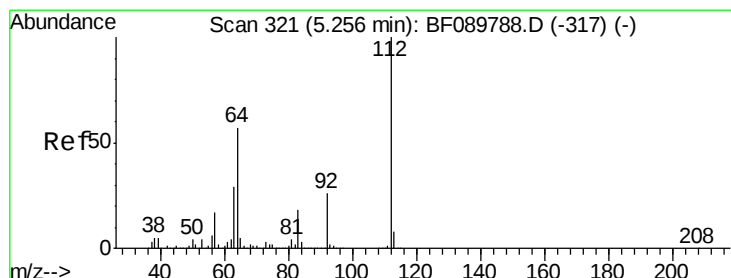
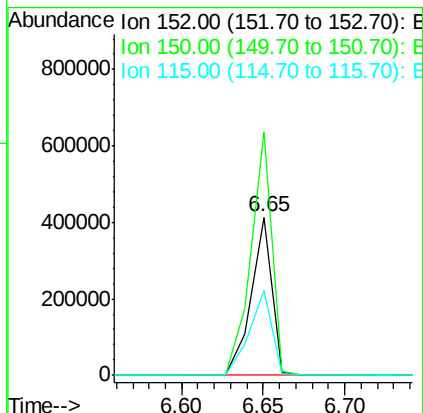
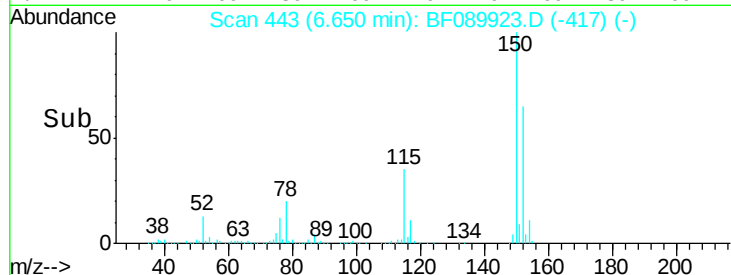
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.65 min Scan# 443
 Delta R.T. -0.00 min
 Lab File: BF089923.D
 Acq: 26 Aug 2016 22:29

Instrument :
 BNA_F
 ClientSampleId :
 ERM-33R

Tgt Ion:152 Resp: 363517
 Ion Ratio Lower Upper
 152 100
 150 153.9 125.3 187.9
 115 53.6 40.9 61.3



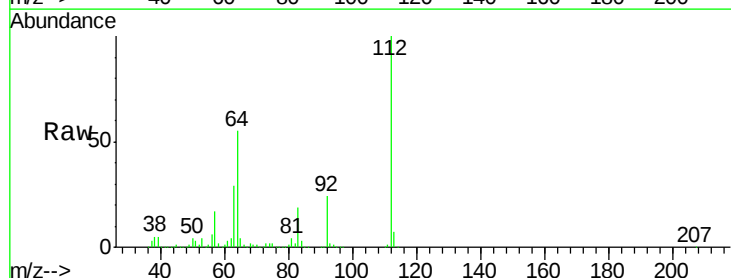
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



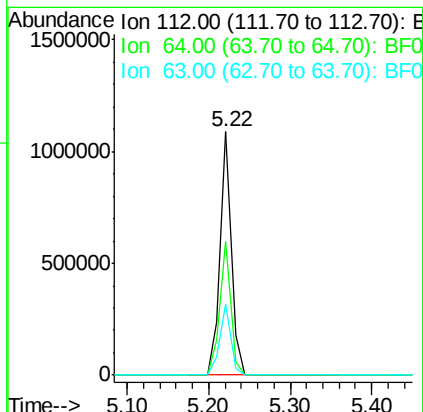
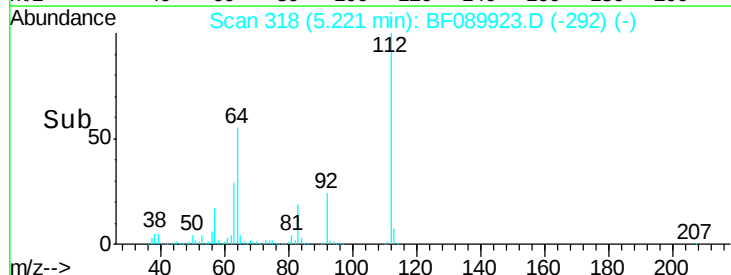
#5

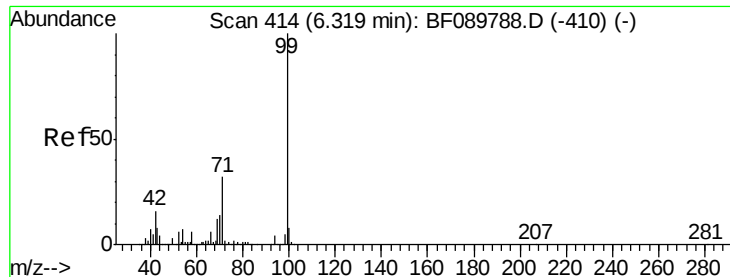
2-Fluorophenol
 Concen: 49.18 ng
 RT: 5.22 min Scan# 318
 Delta R.T. -0.00 min
 Lab File: BF089923.D
 Acq: 26 Aug 2016 22:29

Tgt Ion:112 Resp: 1042413
 Ion Ratio Lower Upper
 112 100
 64 55.0 45.0 67.4
 63 28.9 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: 35.12 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF089923.D

Acq: 26 Aug 2016 22:29

Instrument :

BNA_F

ClientSampleId :

ERM-33R

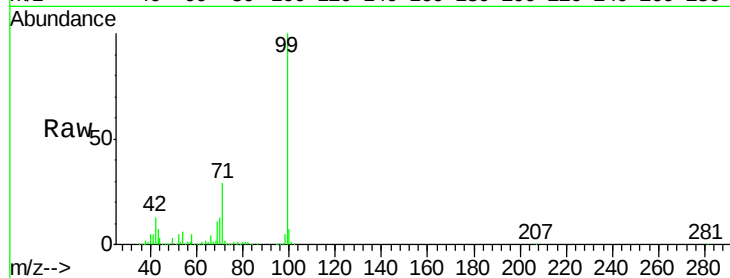
Tgt Ion: 99 Resp: 913744

Ion Ratio Lower Upper

99 100

42 13.4 12.2 18.4

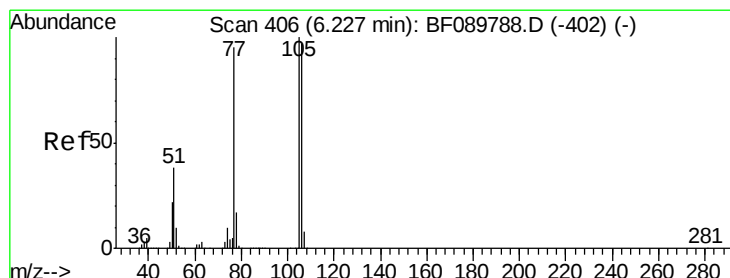
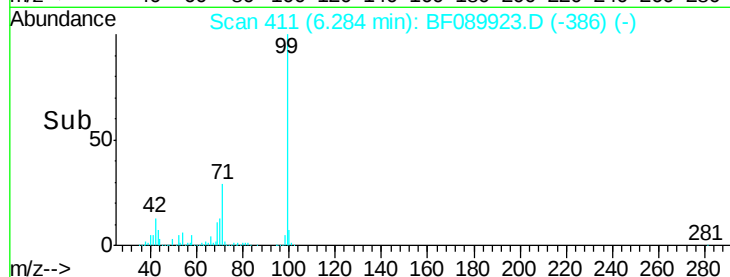
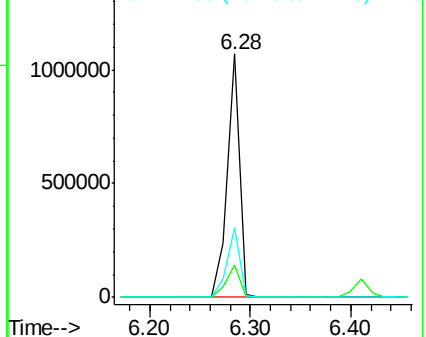
71 28.6 23.8 35.8



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



#9

Benzaldehyde

Concen: 2.08 ng

RT: 6.41 min Scan# 422

Delta R.T. 0.22 min

Lab File: BF089923.D

Acq: 26 Aug 2016 22:29

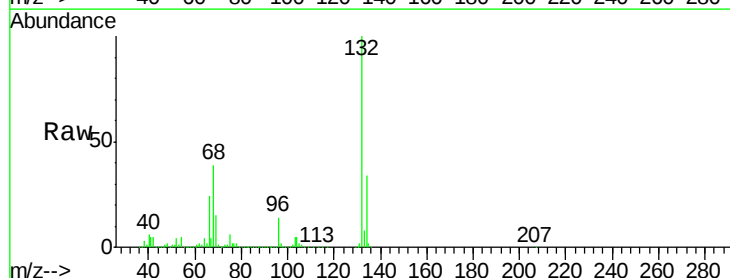
Tgt Ion: 77 Resp: 35331

Ion Ratio Lower Upper

77 100

105 81.7 73.3 113.3

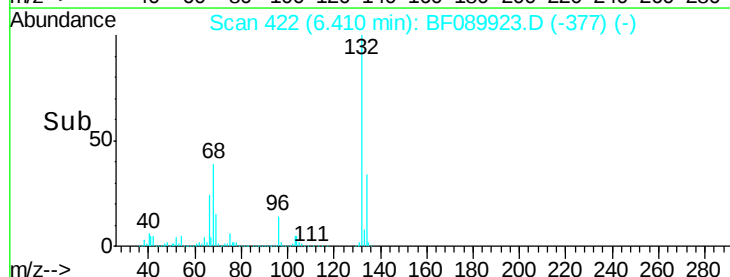
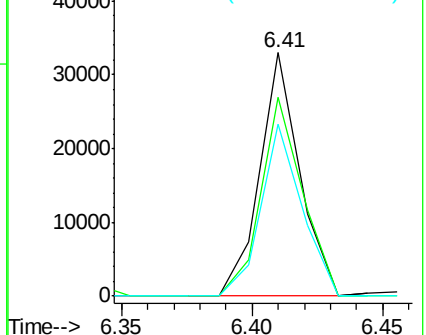
106 70.7 68.6 108.6

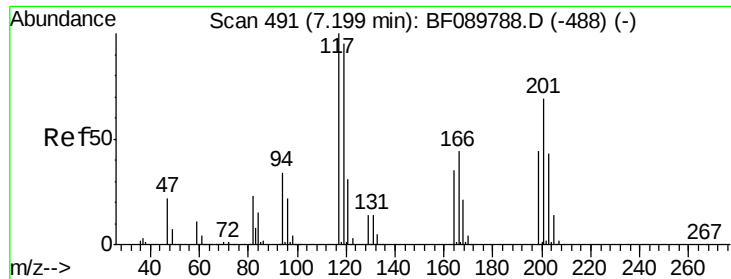


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#18

Hexachloroethane

Concen: 22.46 ng

RT: 7.22 min Scan# 493

Delta R.T. 0.06 min

Lab File: BF089923.D

Acq: 26 Aug 2016 22:29

Instrument :

BNA_F

ClientSampleId :

ERM-33R

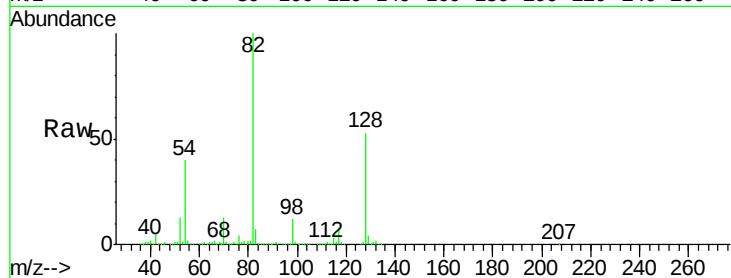
Tgt Ion: 117 Resp: 218194

Ion Ratio Lower Upper

117 100

119 0.9 77.1 115.7#

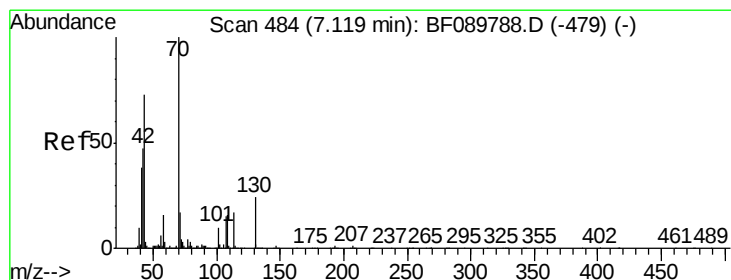
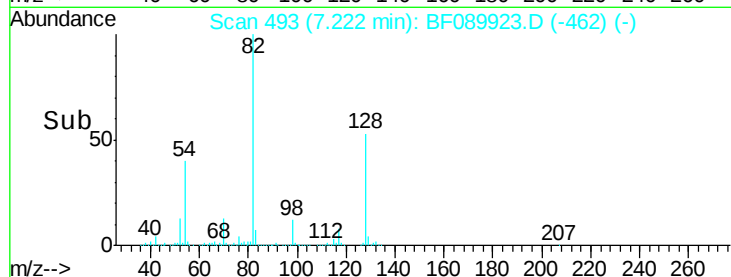
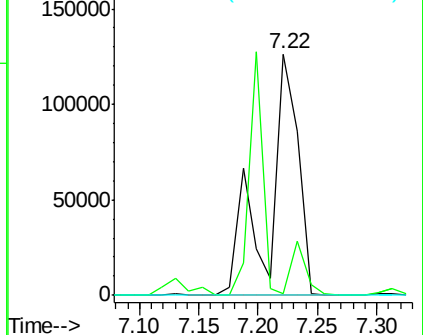
201 0.0 76.9 115.3#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 14.76 ng

RT: 7.22 min Scan# 493

Delta R.T. 0.13 min

Lab File: BF089923.D

Acq: 26 Aug 2016 22:29

Tgt Ion: 70 Resp: 245675

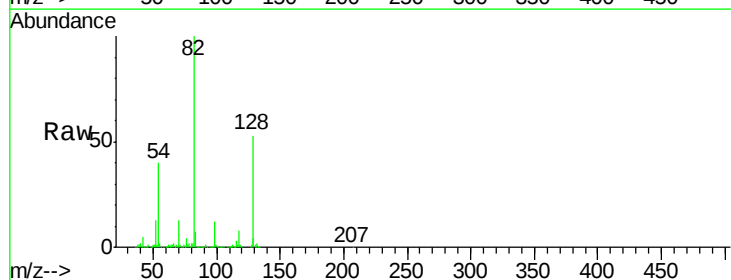
Ion Ratio Lower Upper

70 100

42 35.1 46.3 69.5#

101 0.3 7.0 10.6#

130 3.4 14.4 21.6#

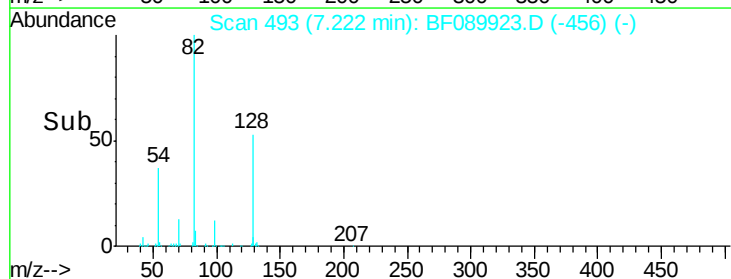
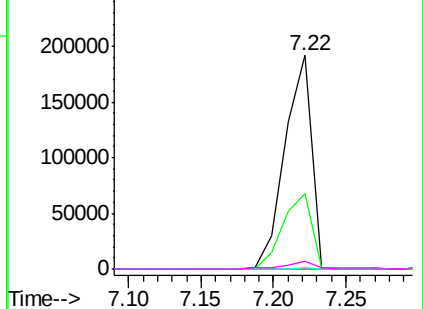


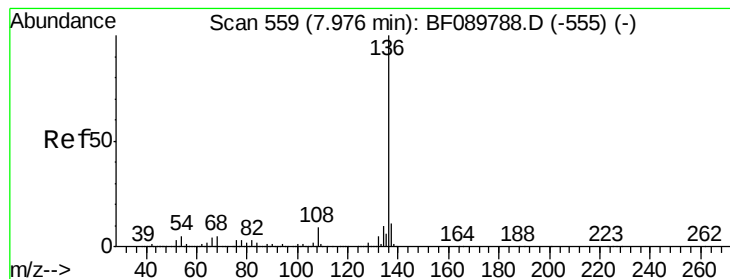
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.01 min

Lab File: BF089923.D

Acq: 26 Aug 2016 22:29

Instrument :

BNA_F

ClientSampleId :

ERM-33R

Tgt Ion:136 Resp: 1303428

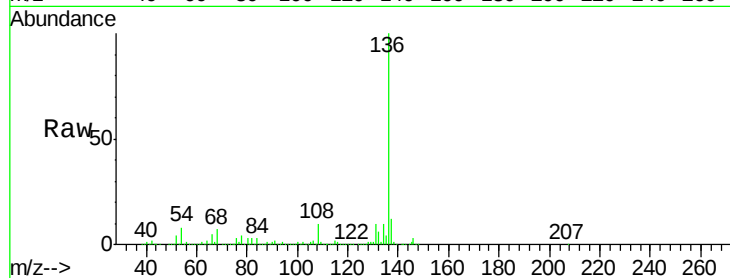
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 7.7 7.2 10.8

68 7.1 5.8 8.8

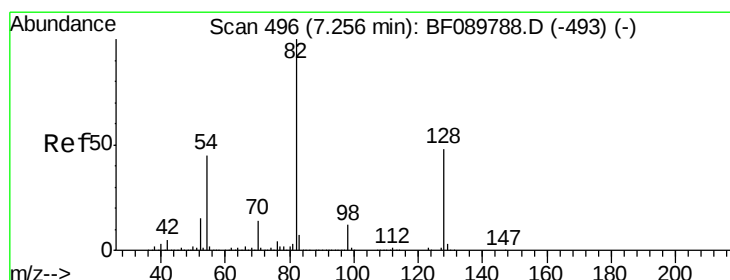
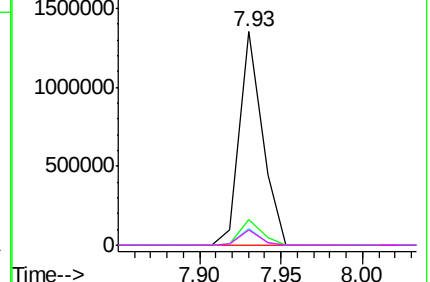
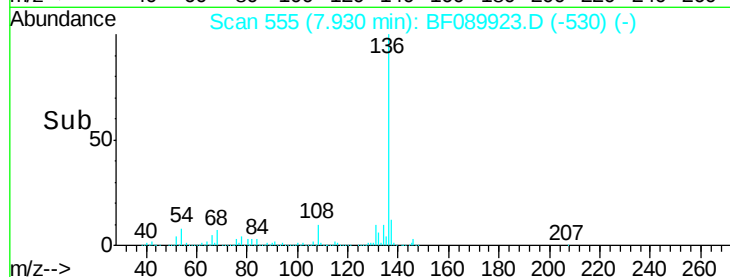


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.90 ng

RT: 7.22 min Scan# 493

Delta R.T. -0.00 min

Lab File: BF089923.D

Acq: 26 Aug 2016 22:29

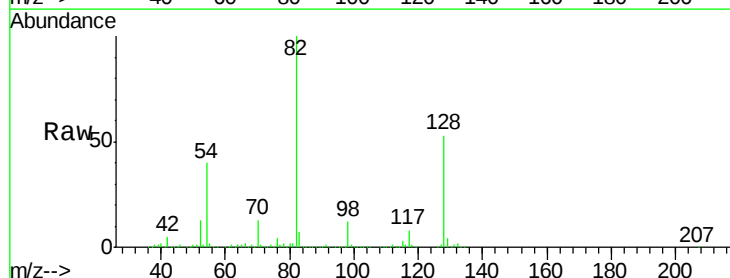
Tgt Ion: 82 Resp: 1886190

Ion Ratio Lower Upper

82 100

128 53.4 34.4 51.6#

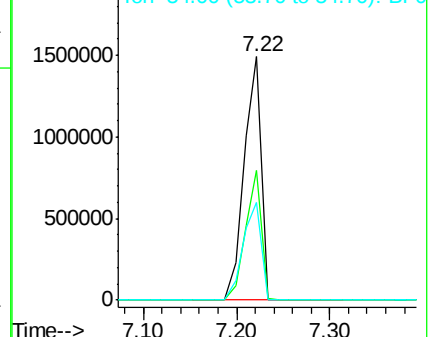
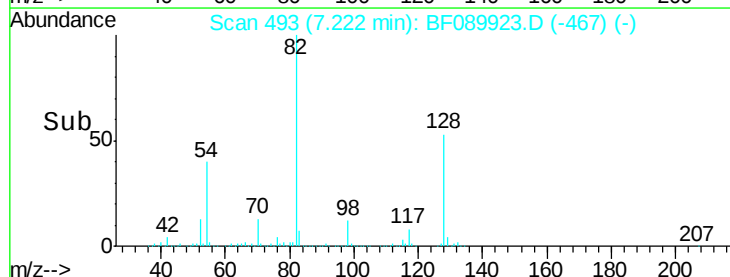
54 40.1 40.3 60.5#

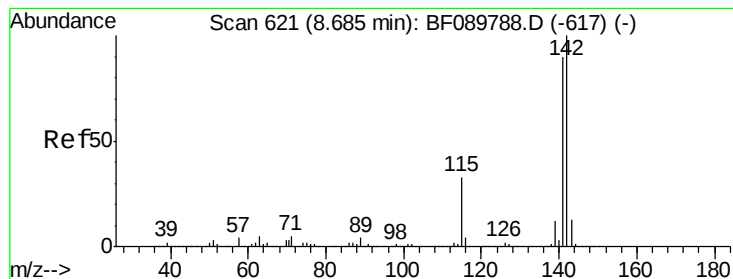


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

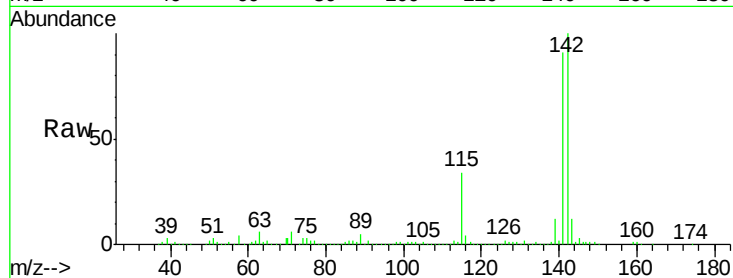




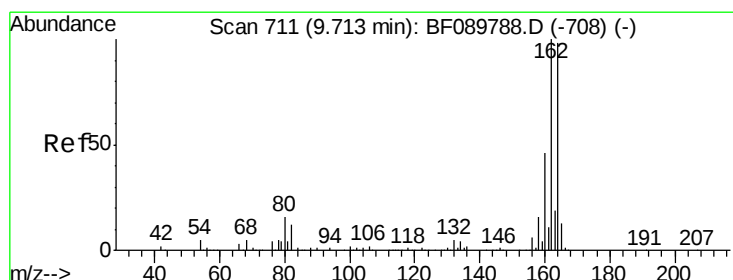
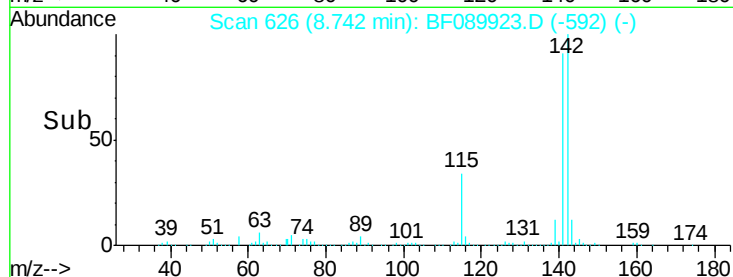
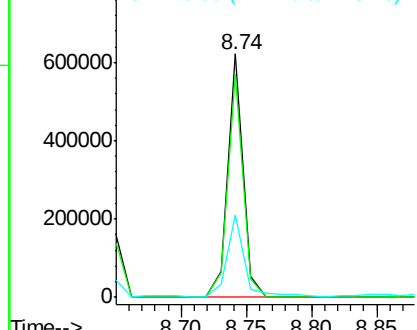
#37
 2-Methylnaphthalene
 Concen: 13.00 ng
 RT: 8.74 min Scan# 626
 Delta R.T. 0.09 min
 Lab File: BF089923.D
 Acq: 26 Aug 2016 22:29

Instrument :
 BNA_F
 ClientSampleId :
 ERM-33R

Tgt Ion:142 Resp: 512365
 Ion Ratio Lower Upper
 142 100
 141 91.5 71.4 107.2
 115 34.0 22.7 34.1

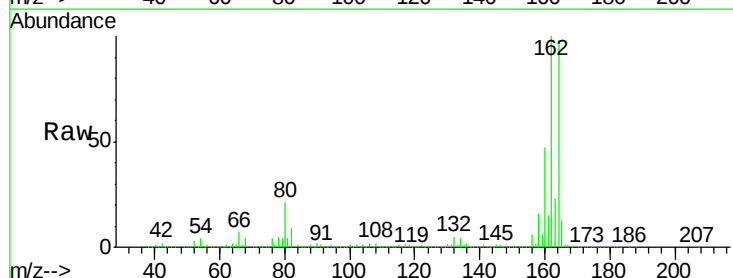


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

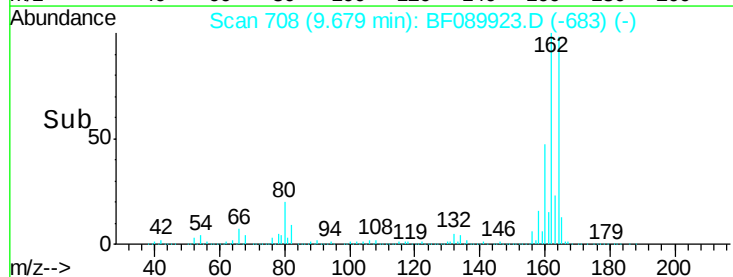
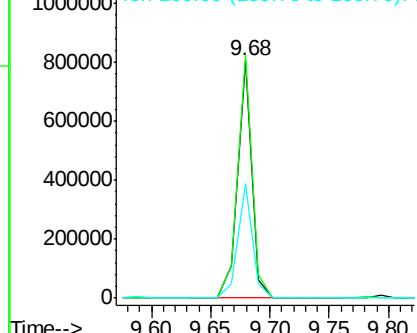


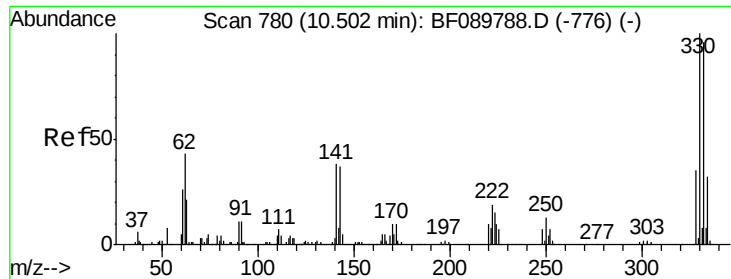
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: BF089923.D
 Acq: 26 Aug 2016 22:29

Tgt Ion:164 Resp: 672845
 Ion Ratio Lower Upper
 164 100
 162 102.5 81.4 122.2
 160 48.1 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

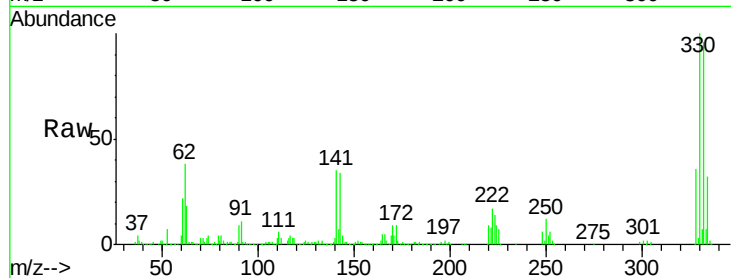




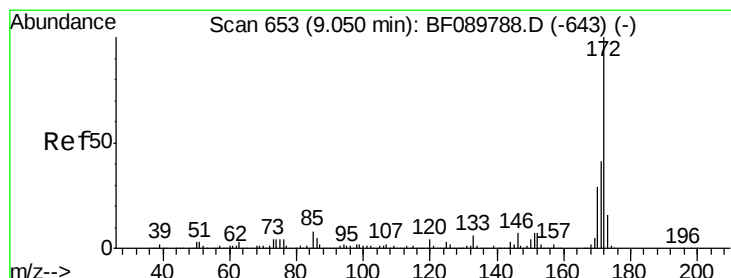
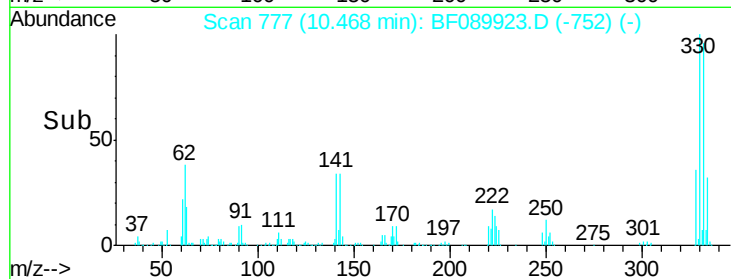
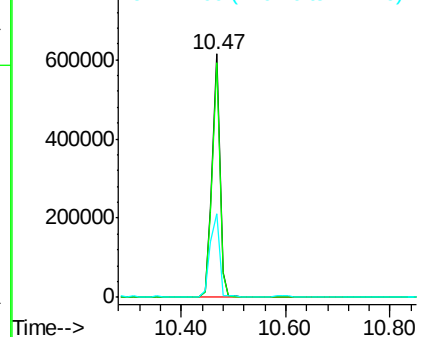
#41
 2,4,6-Tribromophenol
 Concen: 100.54 ng
 RT: 10.47 min Scan# 777
 Delta R.T. -0.01 min
 Lab File: BF089923.D
 Acq: 26 Aug 2016 22:29

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:330 Resp: 642924
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.7 115.1
 141 39.9 30.2 45.2

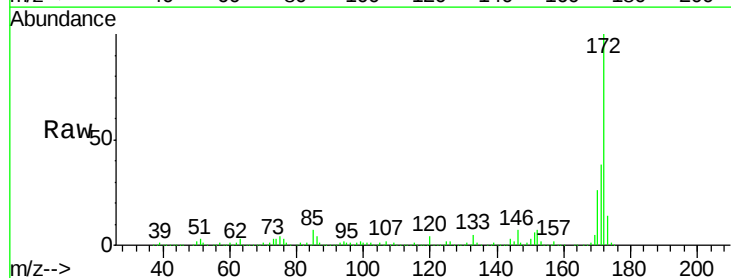


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

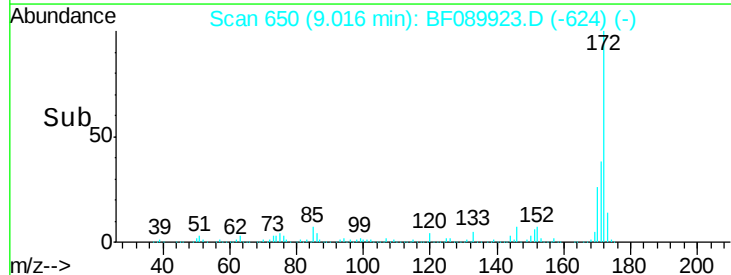
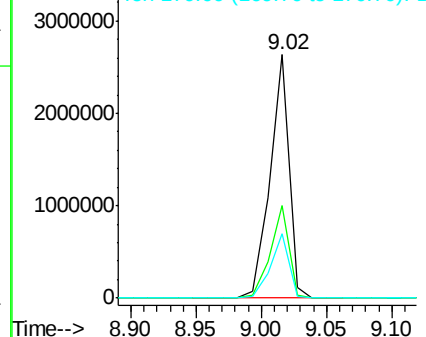


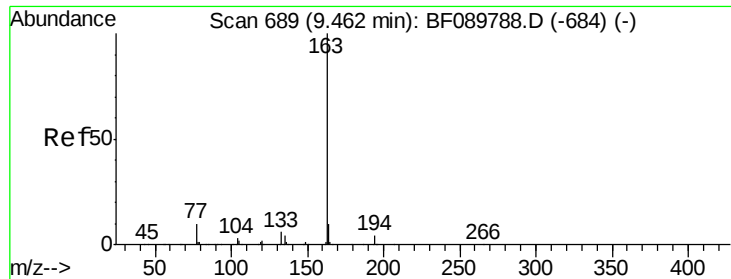
#44
 2-Fluorobiphenyl
 Concen: 70.36 ng
 RT: 9.02 min Scan# 650
 Delta R.T. -0.00 min
 Lab File: BF089923.D
 Acq: 26 Aug 2016 22:29

Tgt Ion:172 Resp: 2693779
 Ion Ratio Lower Upper
 172 100
 171 37.9 30.5 45.7
 170 26.3 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: 2.27 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF089923.D

Acq: 26 Aug 2016 22:29

Instrument :

BNA_F

ClientSampleId :

ERM-33R

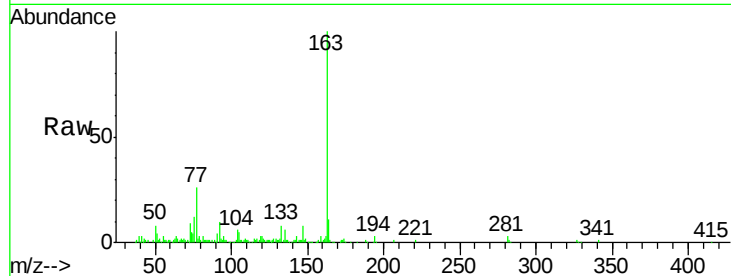
Tgt Ion:163 Resp: 107519

Ion Ratio Lower Upper

163 100

194 2.9 2.6 3.8

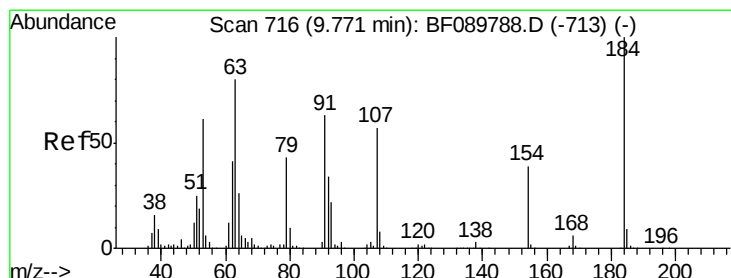
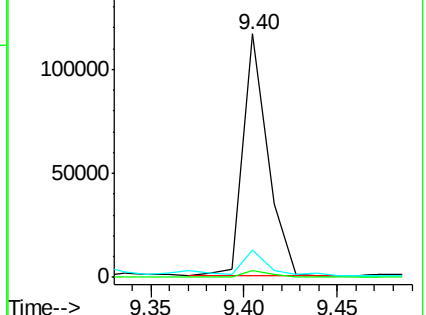
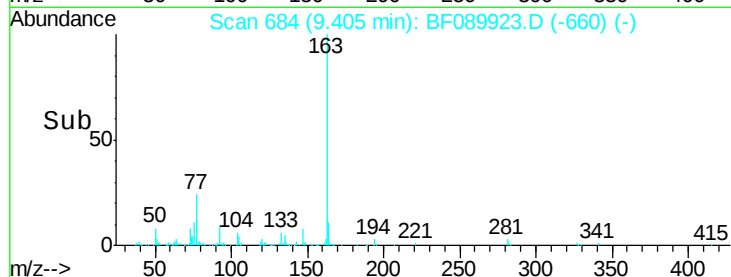
164 11.3 8.6 12.8



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



#53

2,4-Dinitrophenol

Concen: 2.75 ng

RT: 9.83 min Scan# 721

Delta R.T. 0.08 min

Lab File: BF089923.D

Acq: 26 Aug 2016 22:29

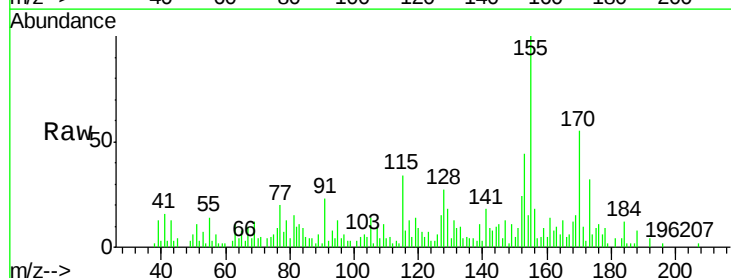
Tgt Ion:184 Resp: 2296

Ion Ratio Lower Upper

184 100

63 90.1 54.2 81.4#

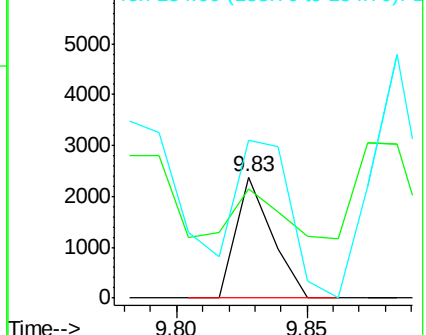
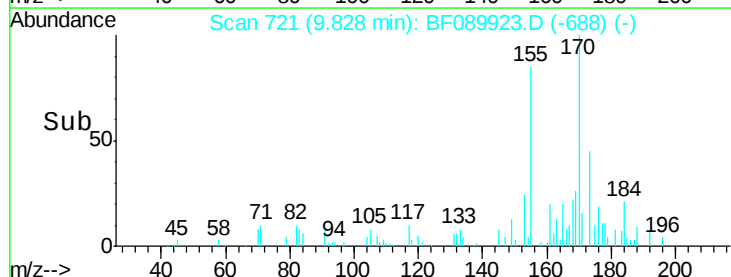
154 130.1 52.7 79.1#

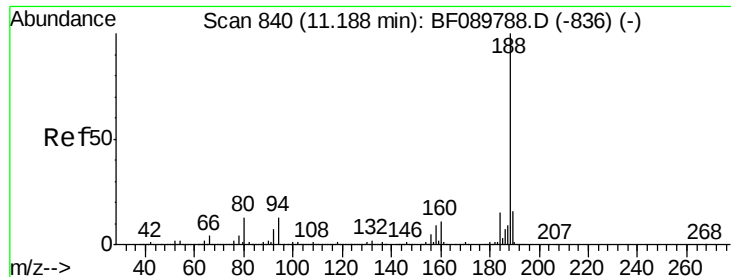


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.15 min Scan# 837

Delta R.T. -0.00 min

Lab File: BF089923.D

Acq: 26 Aug 2016 22:29

Instrument :

BNA_F

ClientSampleId :

ERM-33R

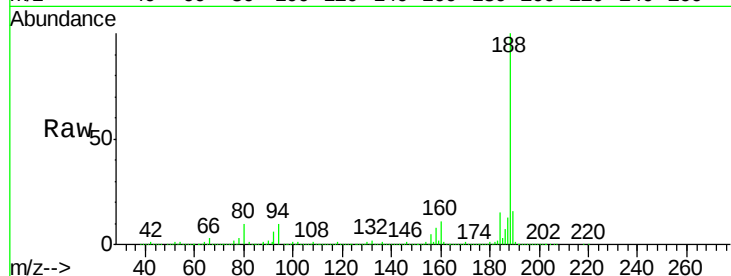
Tgt Ion:188 Resp: 1244559

Ion Ratio Lower Upper

188 100

94 9.9 10.2 15.2#

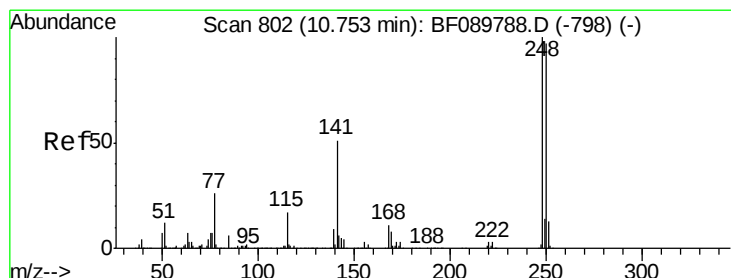
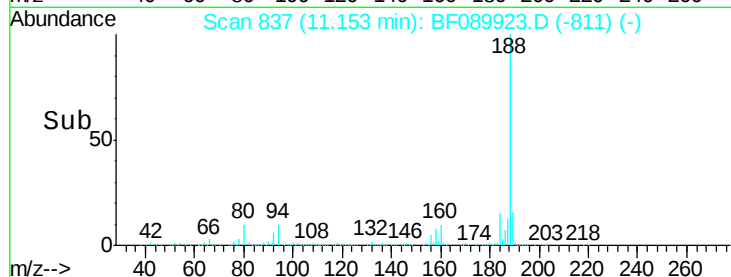
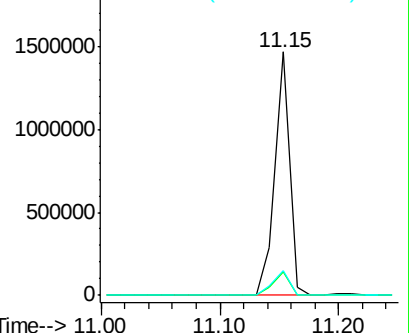
80 10.0 10.9 16.3#



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



#66

4-Bromophenyl-phenylether

Concen: 3.00 ng

RT: 10.47 min Scan# 777

Delta R.T. -0.25 min

Lab File: BF089923.D

Acq: 26 Aug 2016 22:29

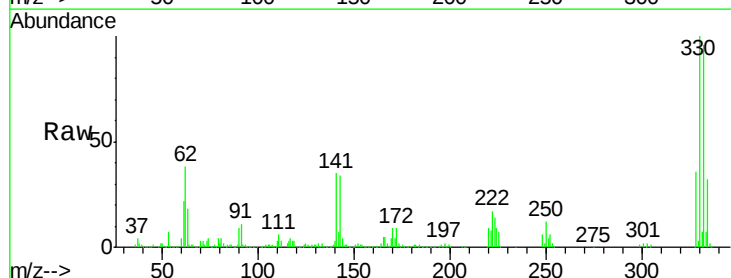
Tgt Ion:248 Resp: 39171

Ion Ratio Lower Upper

248 100

250 194.4 78.6 117.8#

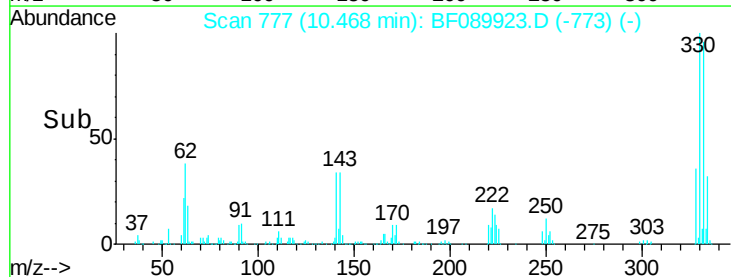
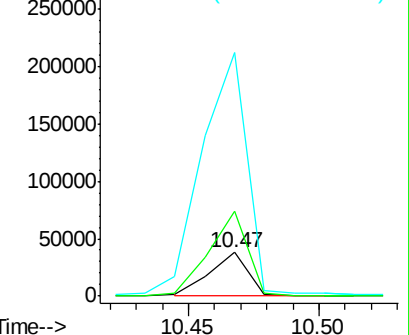
141 554.8 31.4 47.2#

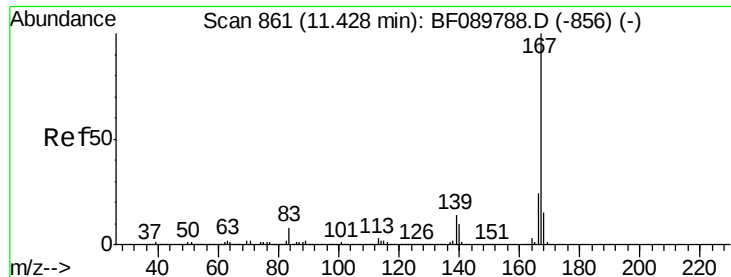


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#72

Carbazole

Concen: 2.04 ng

RT: 11.38 min Scan# 857

Delta R.T. -0.01 min

Lab File: BF089923.D

Acq: 26 Aug 2016 22:29

Instrument :

BNA_F

ClientSampleId :

ERM-33R

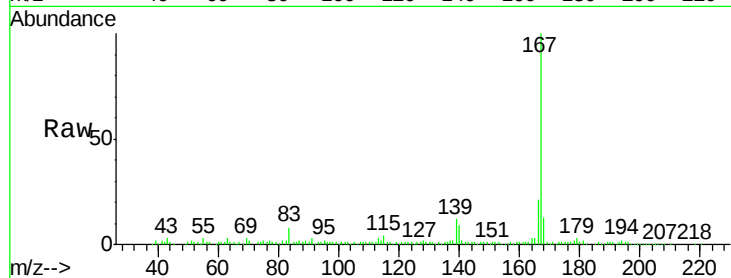
Tgt Ion:167 Resp: 117196

Ion Ratio Lower Upper

167 100

166 21.2 17.9 26.9

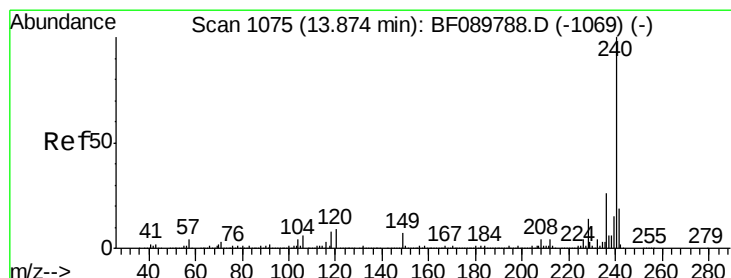
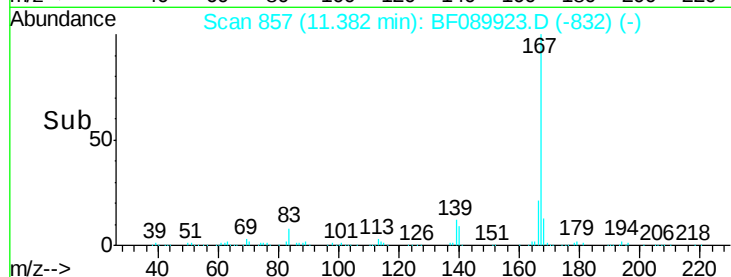
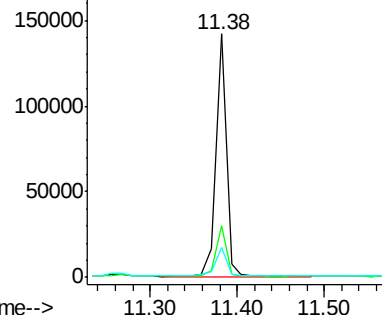
139 12.3 12.4 18.6#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF089923.D

Acq: 26 Aug 2016 22:29

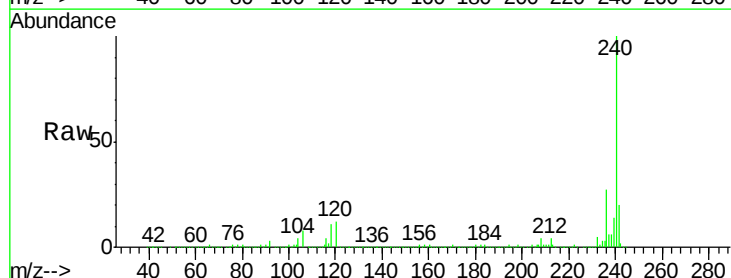
Tgt Ion:240 Resp: 1027486

Ion Ratio Lower Upper

240 100

120 12.1 8.3 12.5

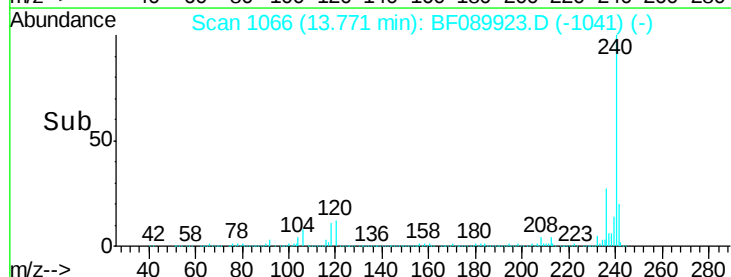
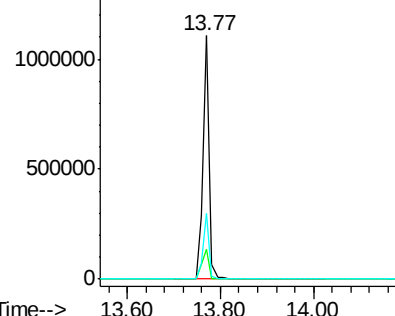
236 27.2 21.3 31.9

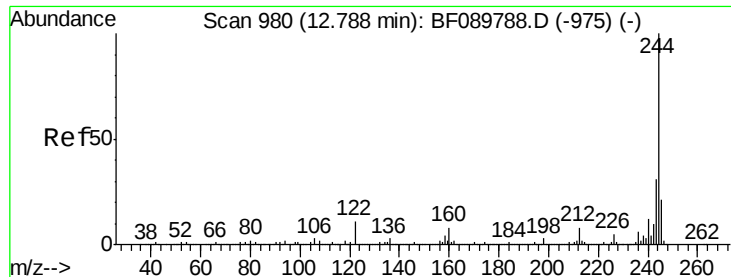


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

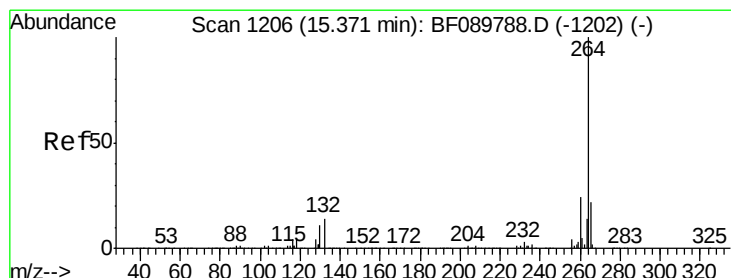
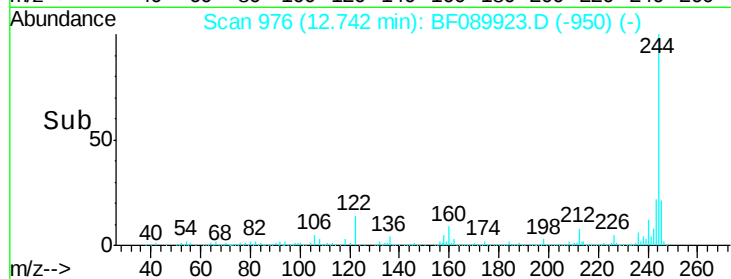
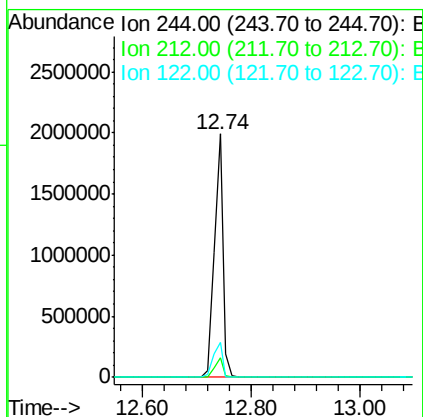
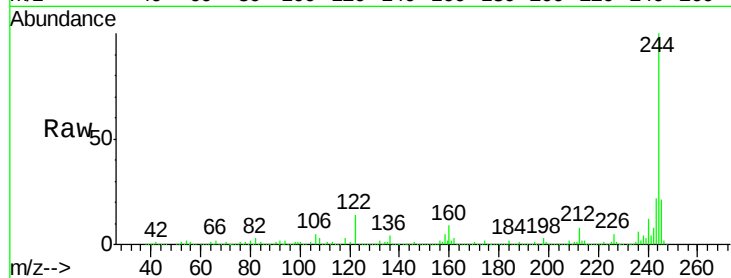




#78
 Terphenyl-d14
 Concen: 49.90 ng
 RT: 12.74 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: BF089923.D
 Acq: 26 Aug 2016 22:29

Instrument :
 BNA_F
 ClientSampleId :
 ERM-33R

Tgt Ion:244 Resp: 2266153
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.3 9.5
 122 14.3 12.0 18.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.12 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF089923.D
 Acq: 26 Aug 2016 22:29

Tgt Ion:264 Resp: 836164
 Ion Ratio Lower Upper
 264 100
 260 24.1 20.2 30.2
 265 21.9 17.4 26.2

