

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100215\
 Data File : BF082039.D
 Acq On : 3 Oct 2015 23:54
 Operator : UM/IZ
 Sample : G3891-11
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-9(0-24)

Quant Time: Oct 05 01:46:53 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 18:10:42 2015
 Response via : Initial Calibration

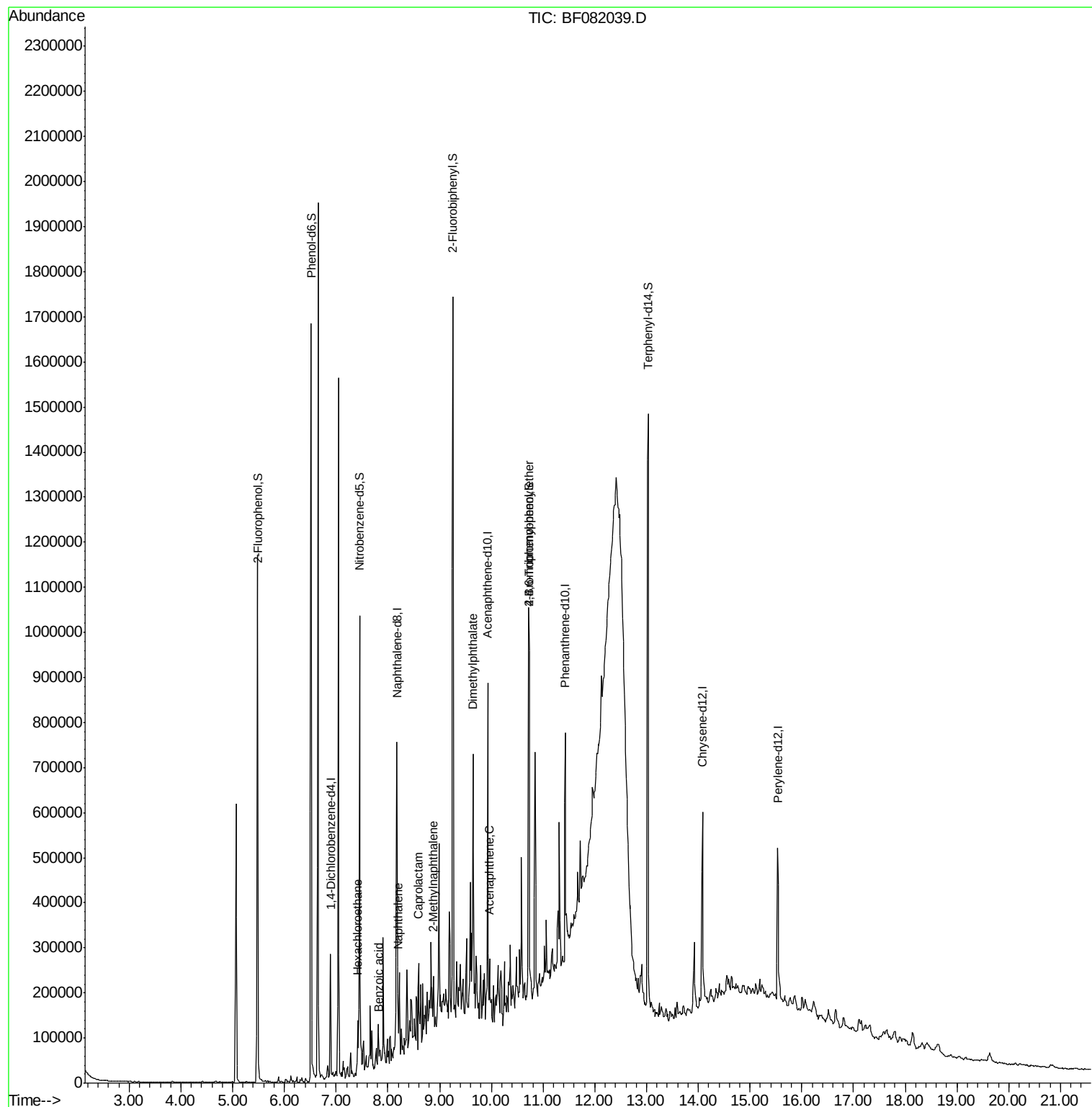
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	71938	20.00	ng	-0.05
21) Naphthalene-d8	8.17	136	299851	20.00	ng	-0.05
38) Acenaphthene-d10	9.93	164	145012	20.00	ng	-0.05
63) Phenanthrene-d10	11.43	188	267798	20.00	ng	-0.03
75) Chrysene-d12	14.08	240	224713	20.00	ng	-0.03
86) Perylene-d12	15.53	264	211449	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	499959	126.16	ng	-0.03
7) Phenol-d6	6.51	99	645631	129.47	ng	-0.05
23) Nitrobenzene-d5	7.45	82	363949	80.91	ng	-0.05
41) 2,4,6-Tribromophenol	10.73	330	174048	118.51	ng	-0.03
44) 2-Fluorobiphenyl	9.26	172	707798	80.91	ng	-0.05
78) Terphenyl-d14	13.03	244	666374	100.93	ng	-0.02
Target Compounds						
18) Hexachloroethane	7.42	117	9360	5.54	ng	# 1
31) Naphthalene	8.19	128	27254	2.05	ng	# 78
32) Benzoic acid	7.83	122	265	7.44	ng	# 1
35) Caprolactam	8.59	113	7291	6.59	ng	# 24
37) 2-Methylnaphthalene	8.88	142	61933	6.83	ng	# 91
49) Dimethylphthalate	9.65	163	164530	16.44	ng	# 97
51) Acenaphthene	9.97	154	18560	2.22	ng	# 85
53) 2,4-Dinitrophenol	10.22	184	763	Below Cal		# 53
66) 4-Bromophenyl-phenylether	10.73	248	10942	4.05	ng	# 1
73) Di-n-butylphthalate	11.99	149	3239	Below Cal		# 76

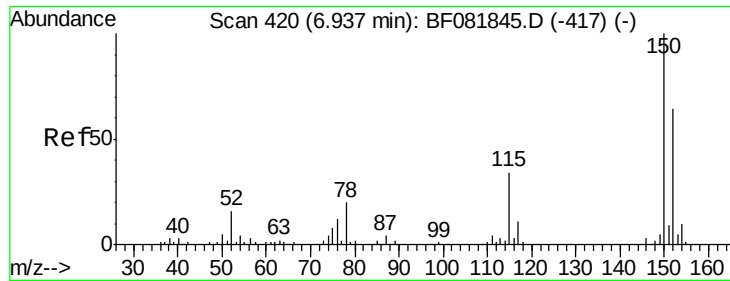
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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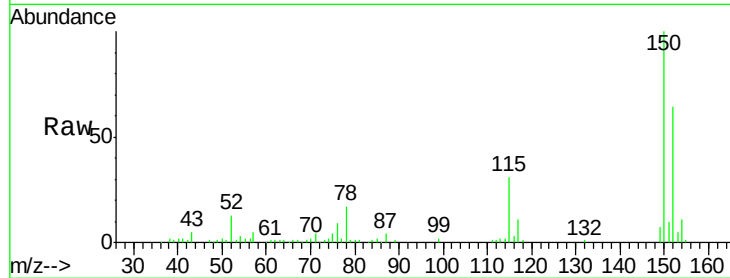


#1

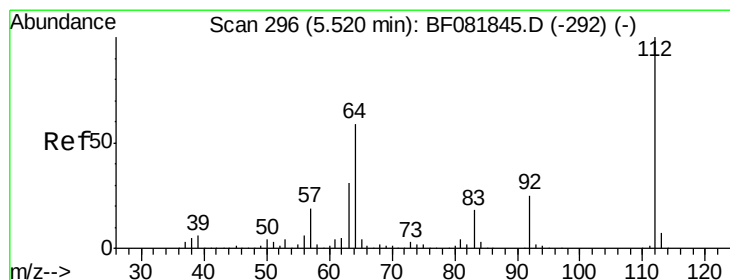
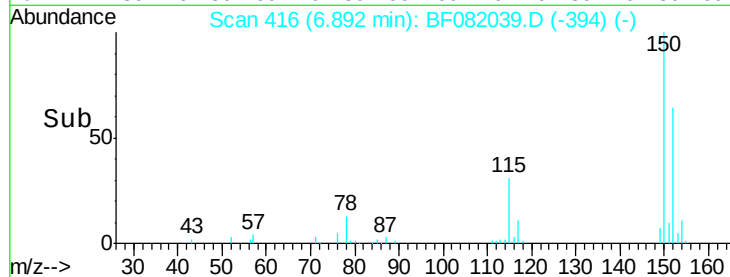
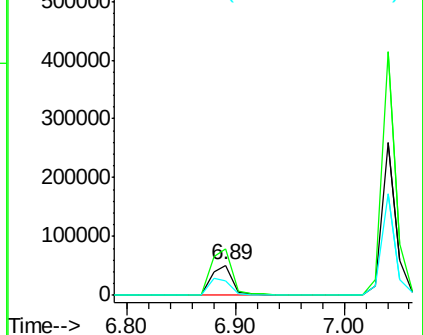
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.89 min Scan# 416
 Delta R.T. -0.05 min
 Lab File: BF082039.D
 Acq: 3 Oct 2015 23:54

Instrument :
 BNA_F
 ClientSampleId :
 SS-9(0-24)

Tgt Ion:152 Resp: 71938
 Ion Ratio Lower Upper
 152 100
 150 155.9 124.7 187.1
 115 47.9 39.0 58.4



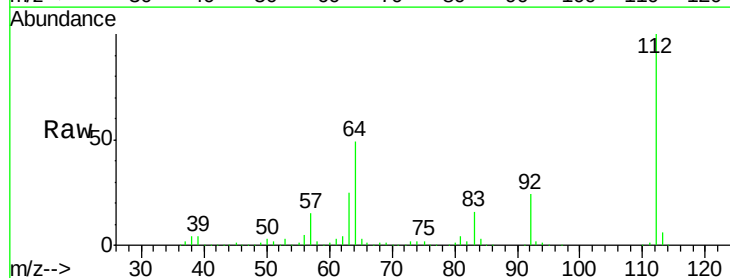
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



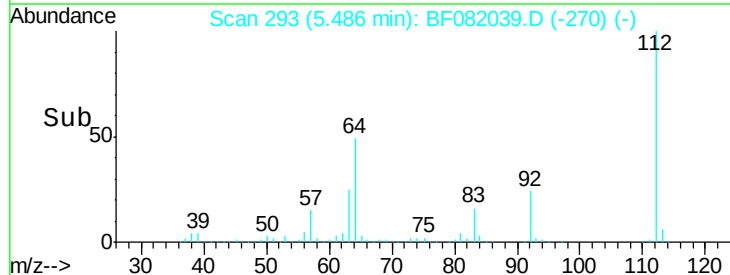
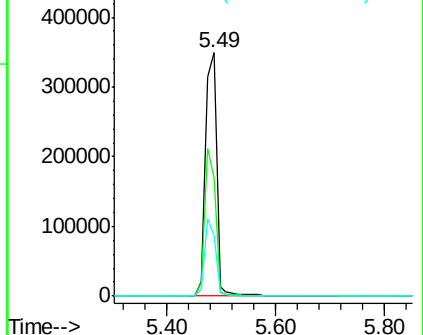
#5

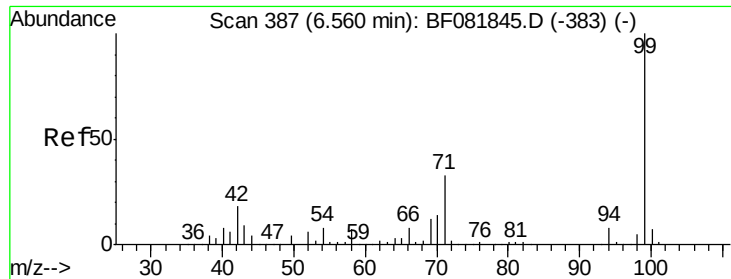
2-Fluorophenol
 Concen: 126.16 ng
 RT: 5.49 min Scan# 293
 Delta R.T. -0.03 min
 Lab File: BF082039.D
 Acq: 3 Oct 2015 23:54

Tgt Ion:112 Resp: 499959
 Ion Ratio Lower Upper
 112 100
 64 48.6 39.7 59.5
 63 24.9 17.4 26.0



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: 129.47 ng

RT: 6.51 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF082039.D

Acq: 3 Oct 2015 23:54

Instrument :

BNA_F

ClientSampleId :

SS-9(0-24)

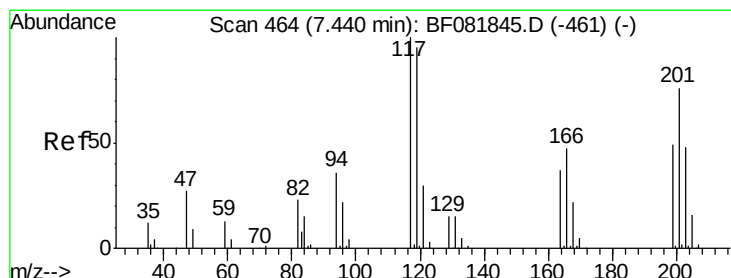
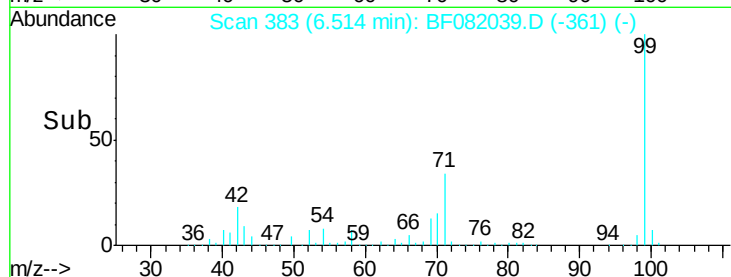
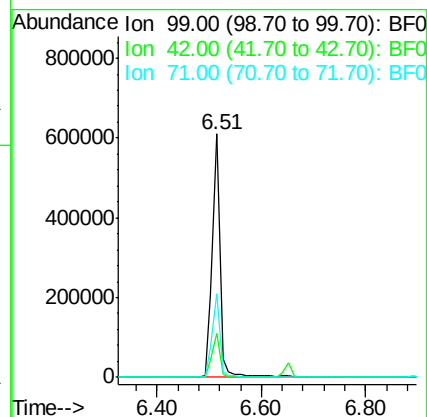
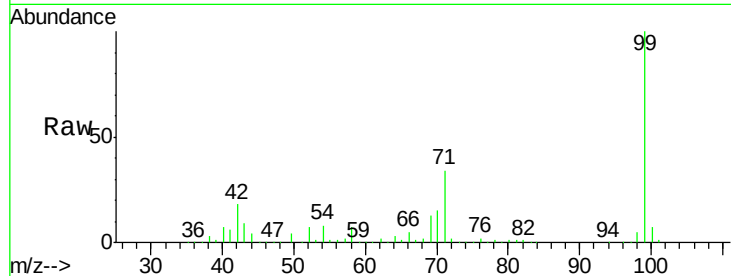
Tgt Ion: 99 Resp: 645631

Ion Ratio Lower Upper

99 100

42 17.9 13.7 20.5

71 34.2 14.2 21.2#



#18

Hexachloroethane

Concen: 5.54 ng

RT: 7.42 min Scan# 462

Delta R.T. -0.02 min

Lab File: BF082039.D

Acq: 3 Oct 2015 23:54

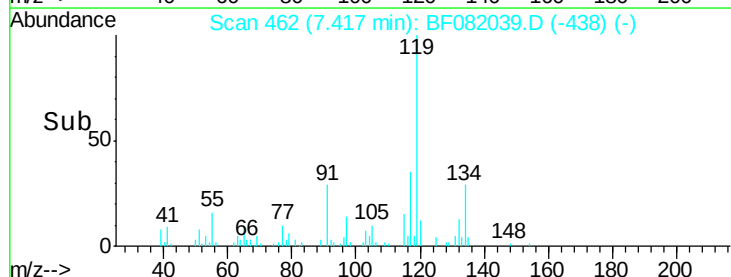
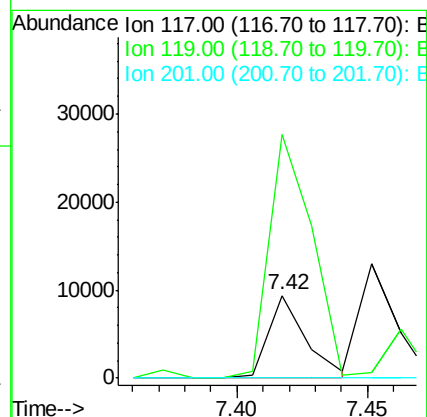
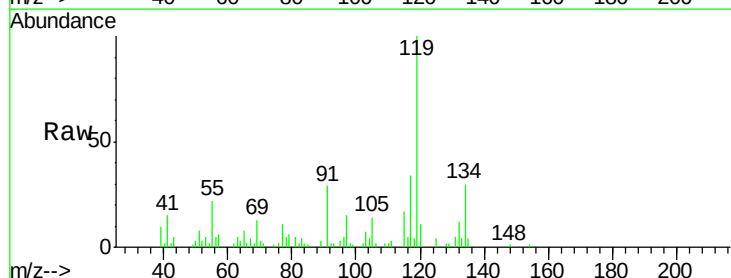
Tgt Ion: 117 Resp: 9360

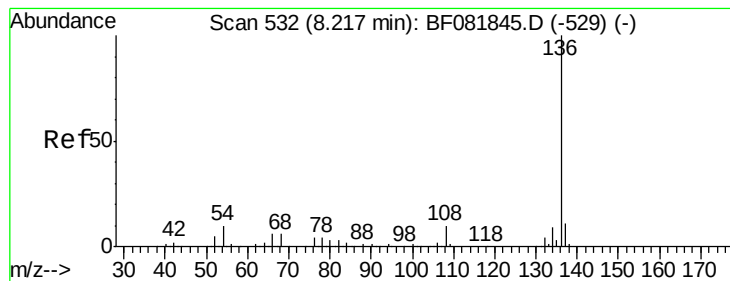
Ion Ratio Lower Upper

117 100

119 294.9 83.8 125.6#

201 0.0 55.1 82.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 528

Delta R.T. -0.05 min

Lab File: BF082039.D

Acq: 3 Oct 2015 23:54

Instrument :

BNA_F

ClientSampleId :

SS-9(0-24)

Tgt Ion:136 Resp: 299851

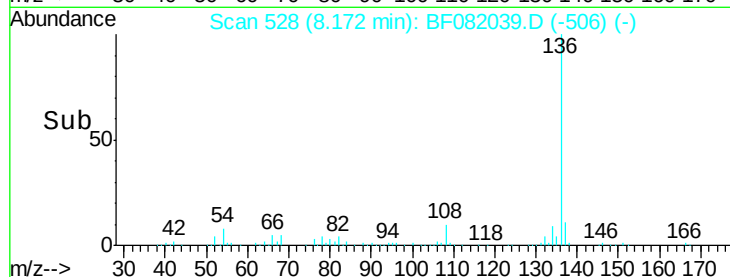
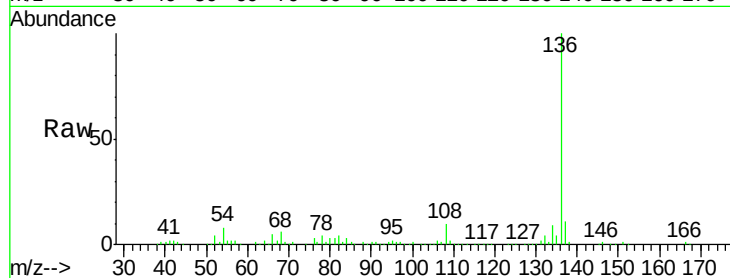
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.6

54 8.1 8.2 12.2#

68 5.7 5.8 8.6#

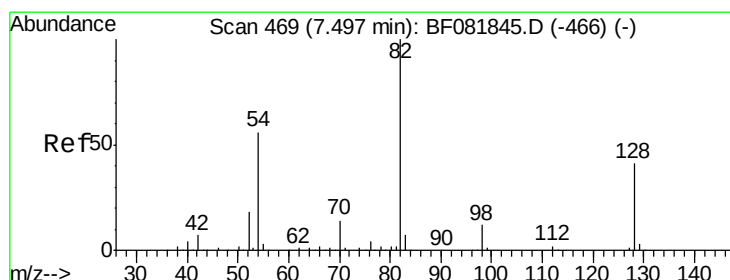
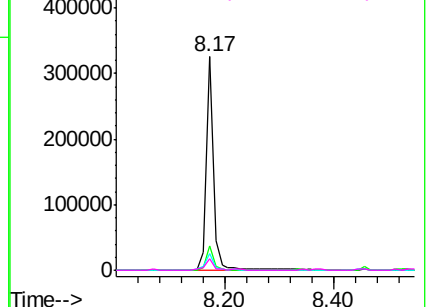


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.91 ng

RT: 7.45 min Scan# 465

Delta R.T. -0.05 min

Lab File: BF082039.D

Acq: 3 Oct 2015 23:54

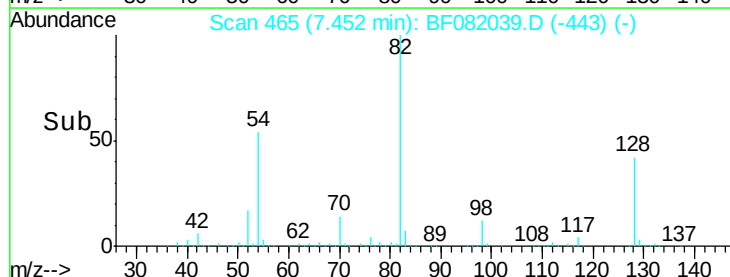
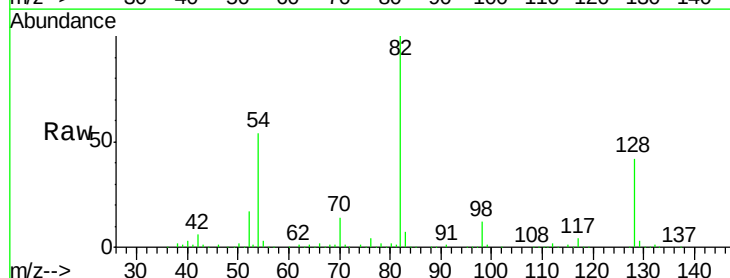
Tgt Ion: 82 Resp: 363949

Ion Ratio Lower Upper

82 100

128 41.5 51.0 76.6#

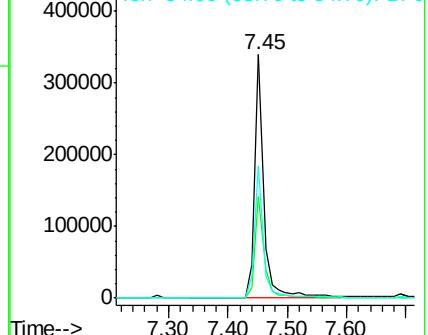
54 54.3 47.5 71.3

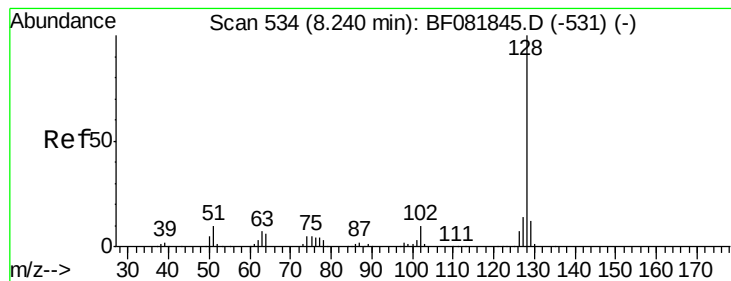


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 2.05 ng

RT: 8.19 min Scan# 530

Delta R.T. -0.05 min

Lab File: BF082039.D

Acq: 3 Oct 2015 23:54

Instrument :

BNA_F

ClientSampleId :

SS-9(0-24)

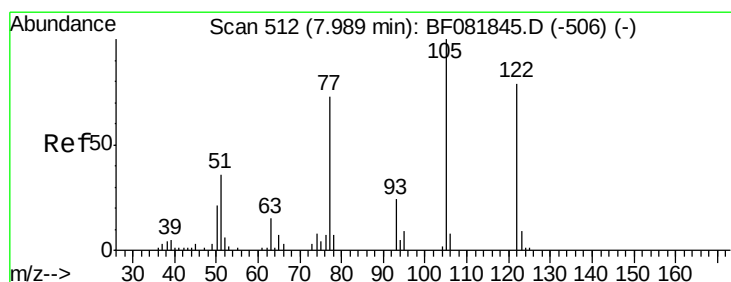
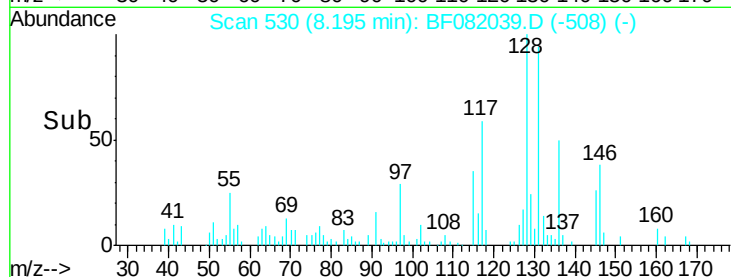
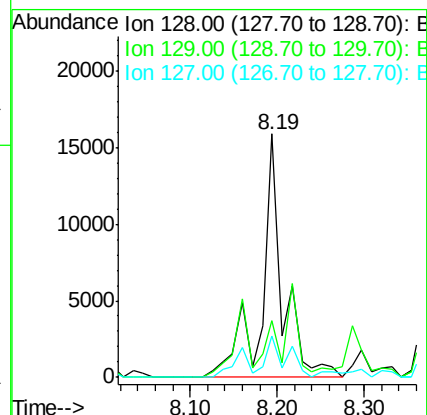
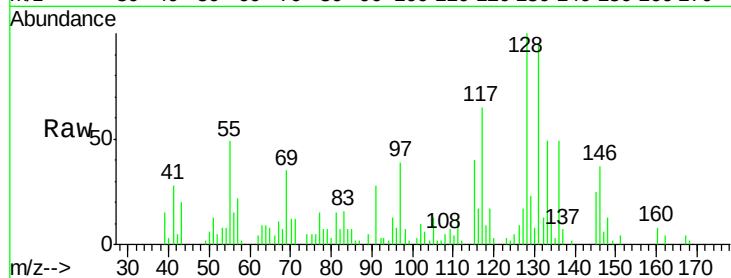
Tgt Ion:128 Resp: 27254

Ion Ratio Lower Upper

128 100

129 23.2 8.4 12.6#

127 17.0 9.9 14.9#



#32

Benzoic acid

Concen: 7.44 ng

RT: 7.83 min Scan# 498

Delta R.T. -0.16 min

Lab File: BF082039.D

Acq: 3 Oct 2015 23:54

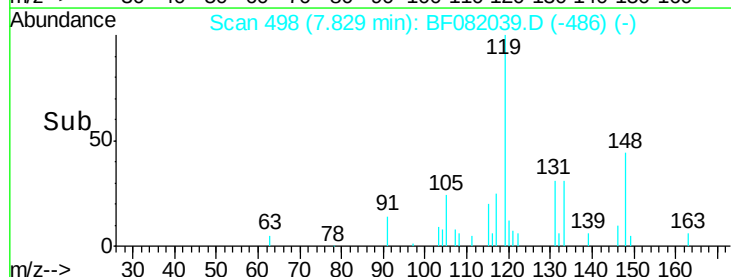
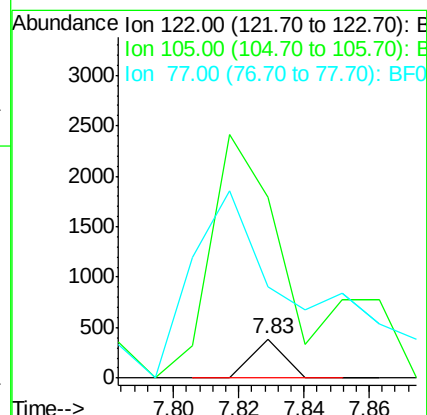
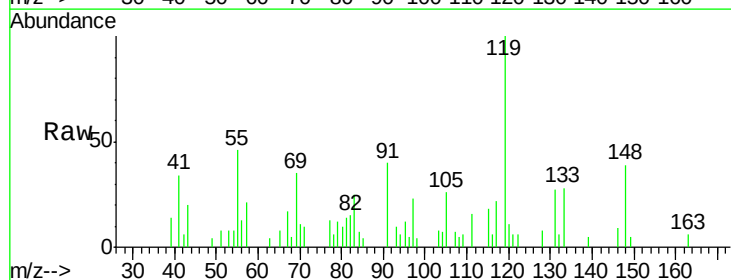
Tgt Ion:122 Resp: 265

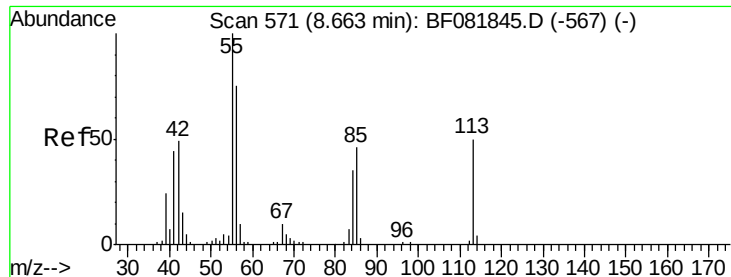
Ion Ratio Lower Upper

122 100

105 463.3 76.1 116.1#

77 233.6 40.5 80.5#

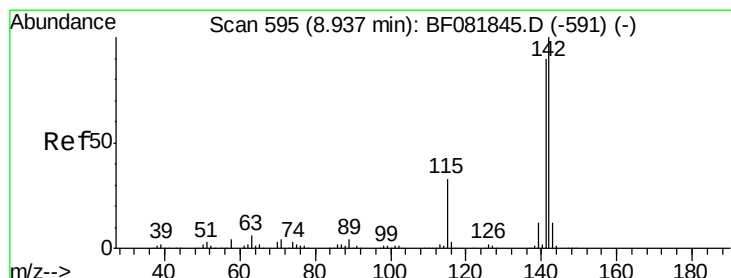
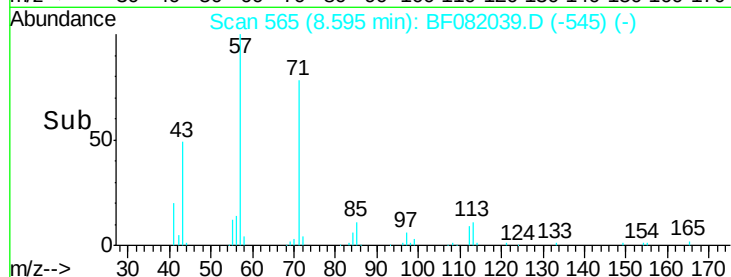
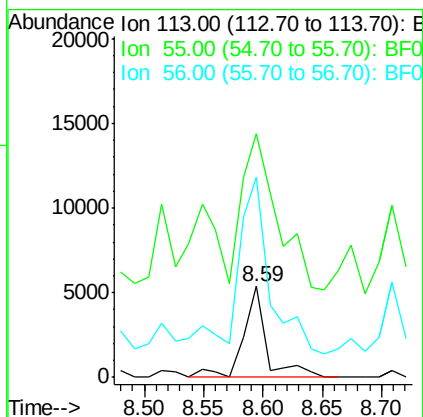
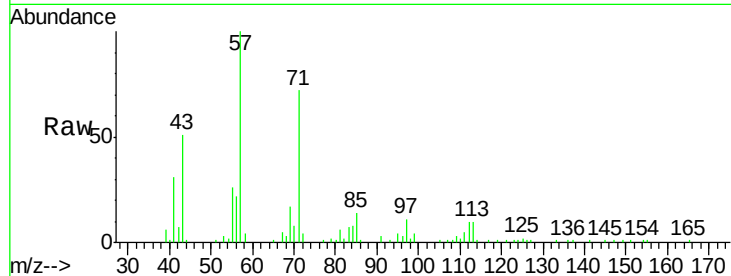




#35
 Caprolactam
 Concen: 6.59 ng
 RT: 8.59 min Scan# 565
 Delta R.T. -0.07 min
 Lab File: BF082039.D
 Acq: 3 Oct 2015 23:54

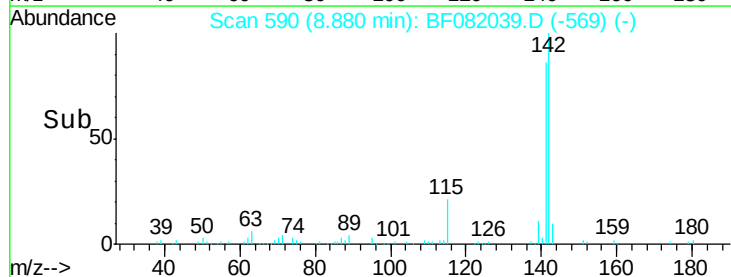
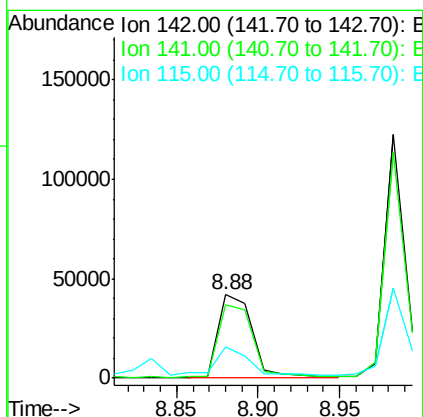
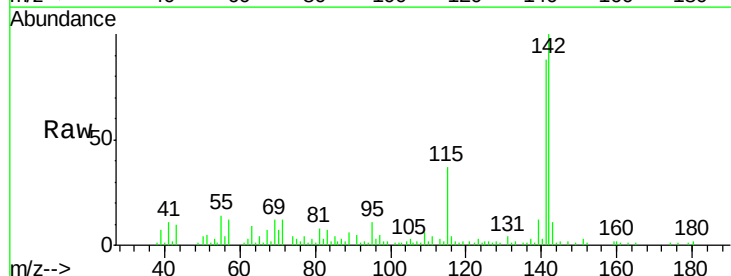
Instrument :
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 SS-9(0-24)

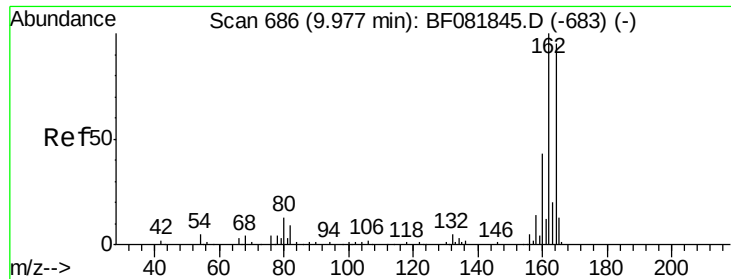
Tgt Ion:113 Resp: 7291
 Ion Ratio Lower Upper
 113 100
 55 268.4 152.4 192.4#
 56 220.4 104.6 144.6#



#37
 2-Methylnaphthalene
 Concen: 6.83 ng
 RT: 8.88 min Scan# 590
 Delta R.T. -0.06 min
 Lab File: BF082039.D
 Acq: 3 Oct 2015 23:54

Tgt Ion:142 Resp: 61933
 Ion Ratio Lower Upper
 142 100
 141 87.9 67.5 101.3
 115 37.3 18.2 27.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 682

Delta R.T. -0.05 min

Lab File: BF082039.D

Acq: 3 Oct 2015 23:54

Instrument :

BNA_F

ClientSampleId :

SS-9(0-24)

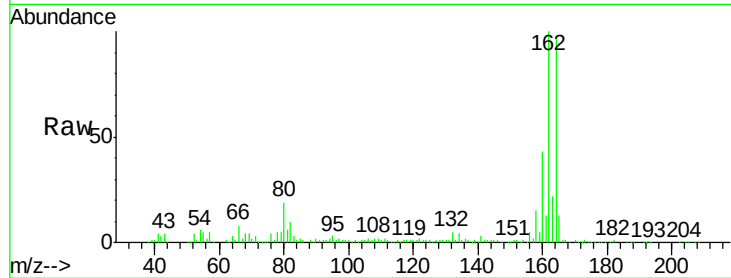
Tgt Ion:164 Resp: 145012

Ion Ratio Lower Upper

164 100

162 103.6 75.2 112.8

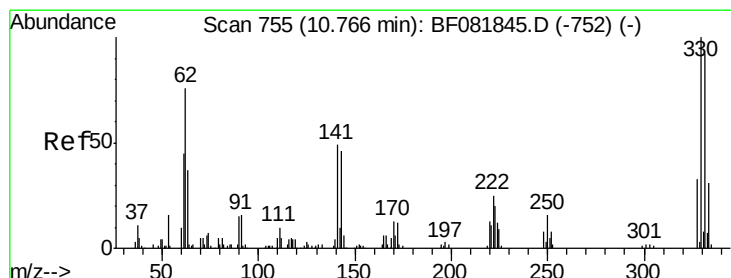
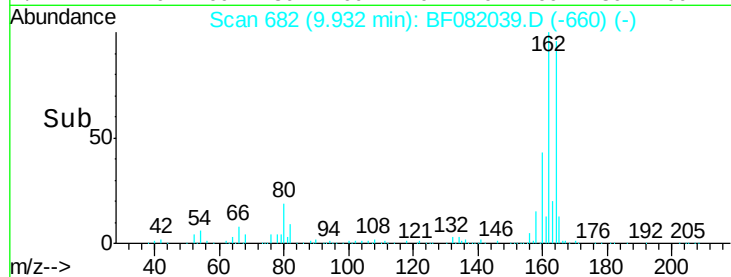
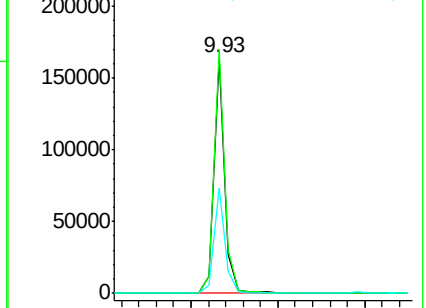
160 45.0 31.5 47.3



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: 118.51 ng

RT: 10.73 min Scan# 752

Delta R.T. -0.03 min

Lab File: BF082039.D

Acq: 3 Oct 2015 23:54

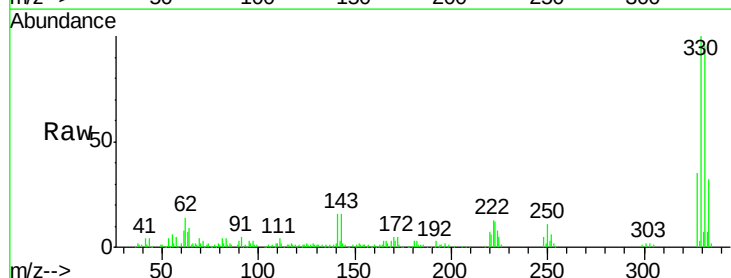
Tgt Ion:330 Resp: 174048

Ion Ratio Lower Upper

330 100

332 94.9 76.6 114.8

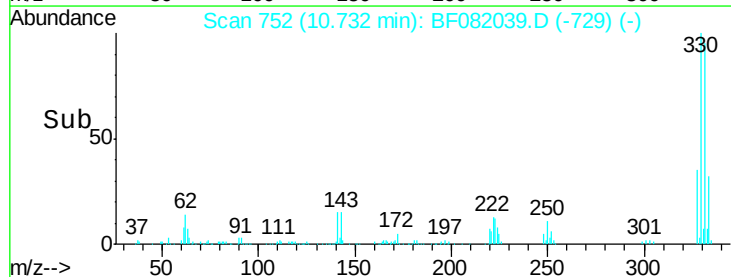
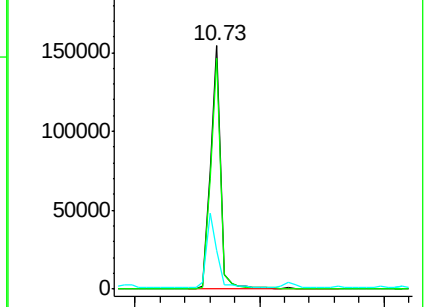
141 30.9 29.7 44.5

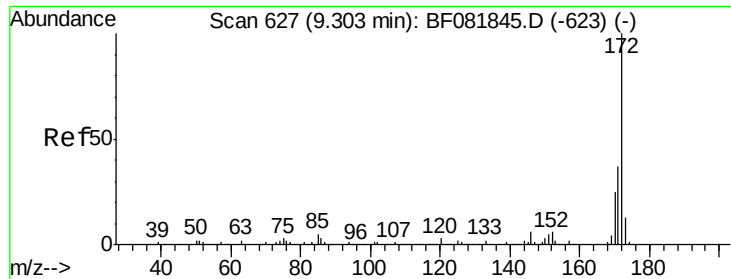


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 80.91 ng

RT: 9.26 min Scan# 623

Delta R.T. -0.05 min

Lab File: BF082039.D

Acq: 3 Oct 2015 23:54

Instrument :

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ClientSampleId :

SS-9(0-24)

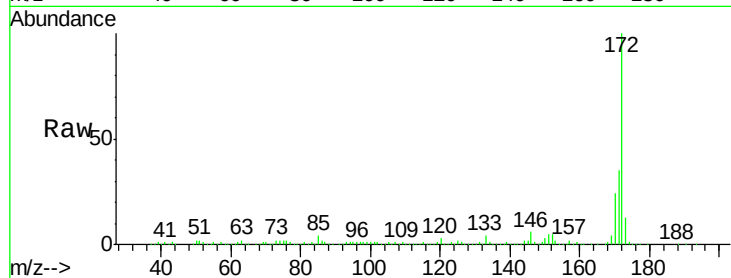
Tgt Ion:172 Resp: 707798

Ion Ratio Lower Upper

172 100

171 35.5 26.1 39.1

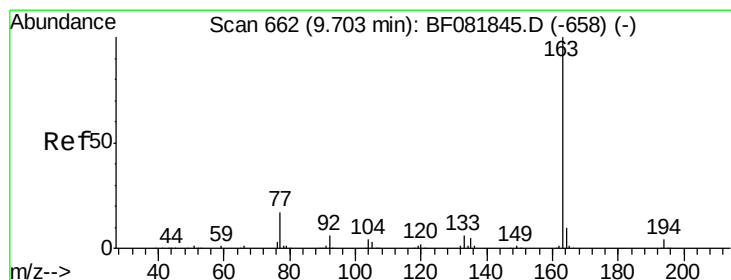
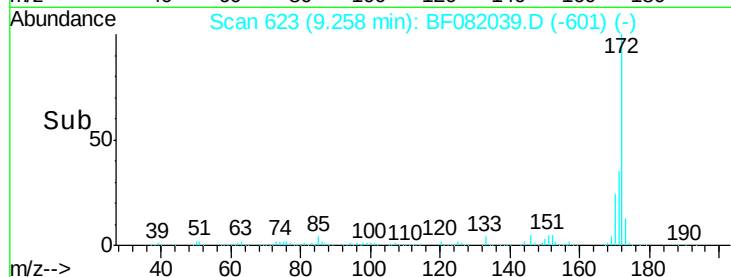
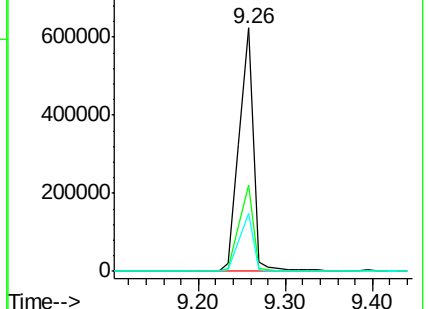
170 23.9 17.4 26.2



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: 16.44 ng

RT: 9.65 min Scan# 657

Delta R.T. -0.06 min

Lab File: BF082039.D

Acq: 3 Oct 2015 23:54

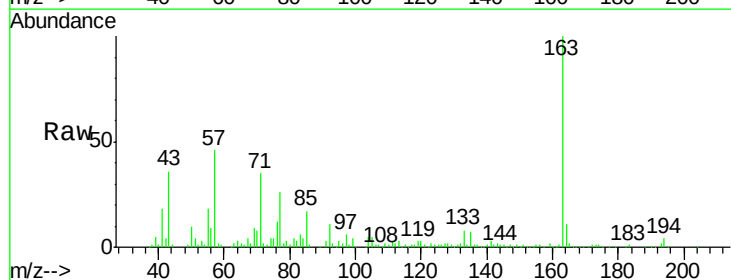
Tgt Ion:163 Resp: 164530

Ion Ratio Lower Upper

163 100

194 3.5 4.4 6.6#

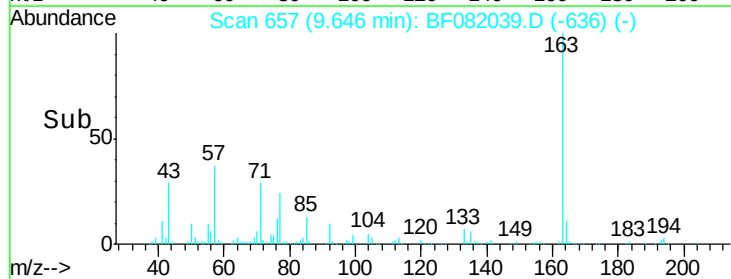
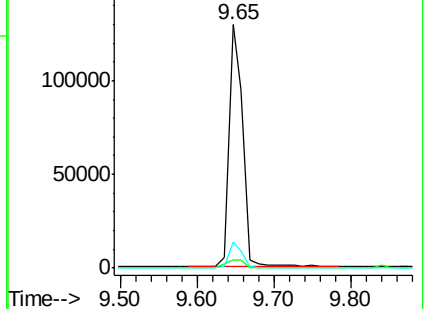
164 10.8 8.3 12.5

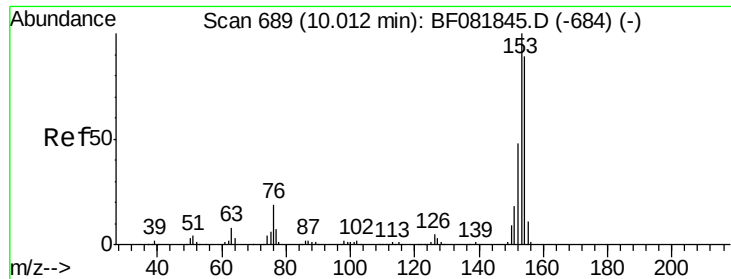


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.22 ng

RT: 9.97 min Scan# 685

Delta R.T. -0.05 min

Lab File: BF082039.D

Acq: 3 Oct 2015 23:54

Instrument :

BNA_F

ClientSampleId :

SS-9(0-24)

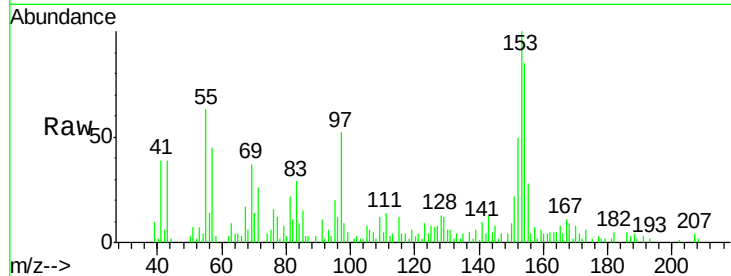
Tgt Ion:154 Resp: 18560

Ion Ratio Lower Upper

154 100

153 117.2 82.1 123.1

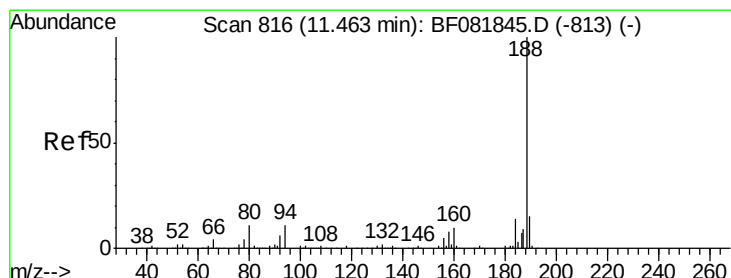
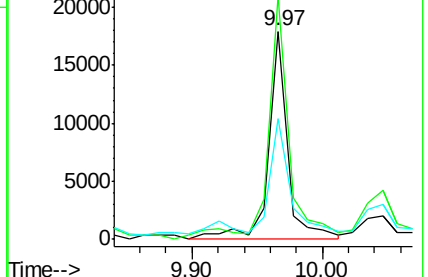
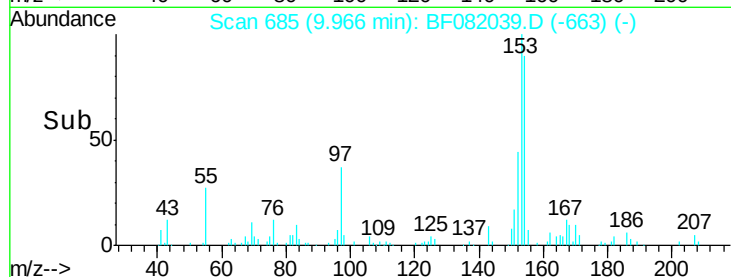
152 58.1 37.9 56.9#



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: 11.43 min Scan# 813

Delta R.T. -0.03 min

Lab File: BF082039.D

Acq: 3 Oct 2015 23:54

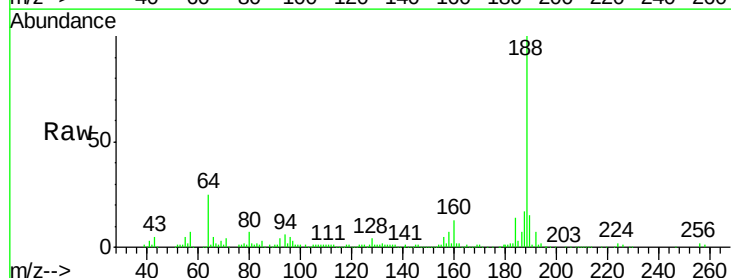
Tgt Ion:188 Resp: 267798

Ion Ratio Lower Upper

188 100

94 6.4 11.1 16.7#

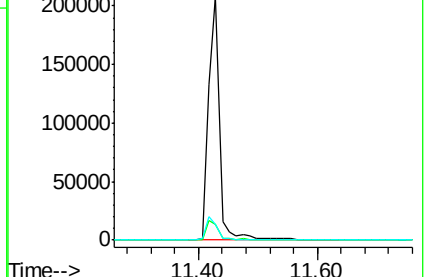
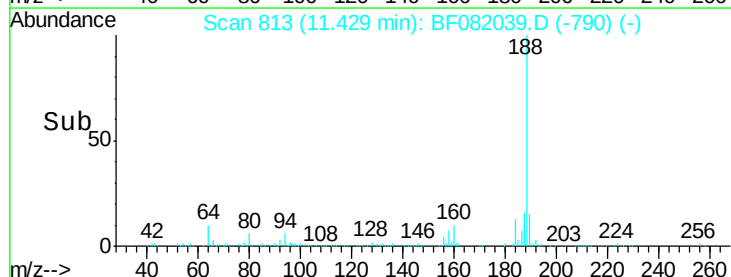
80 6.6 11.0 16.4#

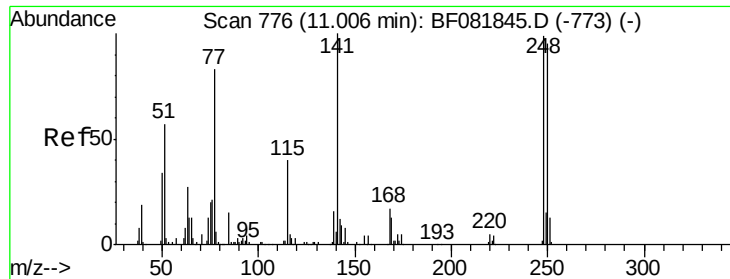


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

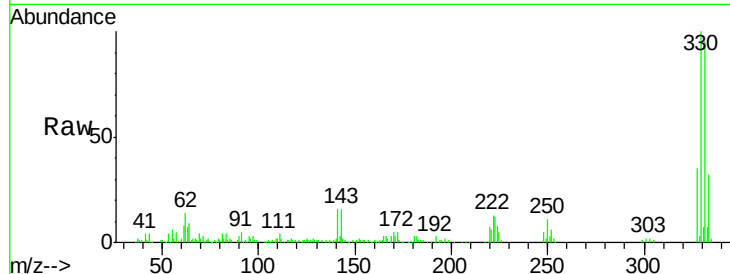




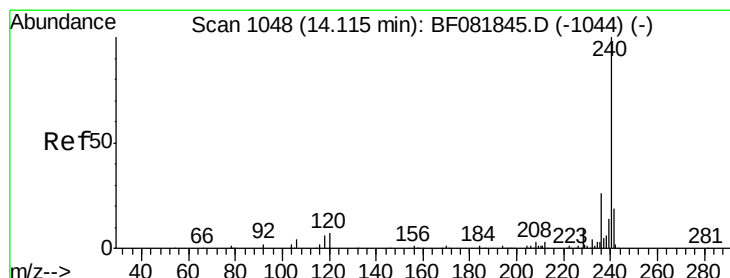
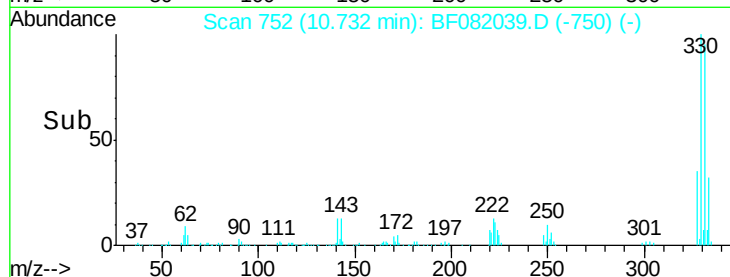
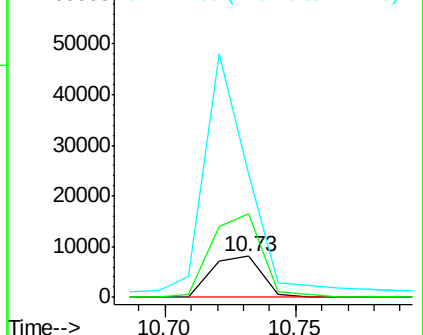
#66
 4-Bromophenyl-phenylether
 Concen: 4.05 ng
 RT: 10.73 min Scan# 752
 Delta R.T. -0.27 min
 Lab File: BF082039.D
 Acq: 3 Oct 2015 23:54

Instrument :
 BNA_F
 ClientSampleId :
 SS-9(0-24)

Tgt Ion:248 Resp: 10942
 Ion Ratio Lower Upper
 248 100
 250 202.8 78.5 117.7#
 141 298.8 59.0 88.6#

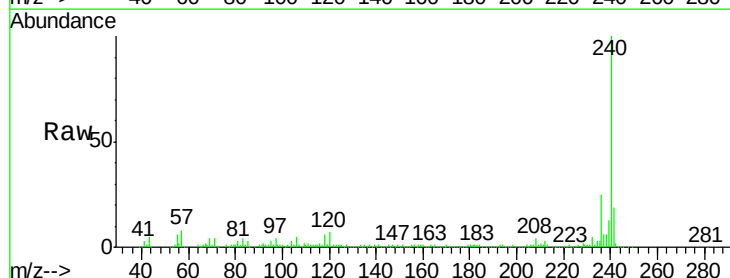


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

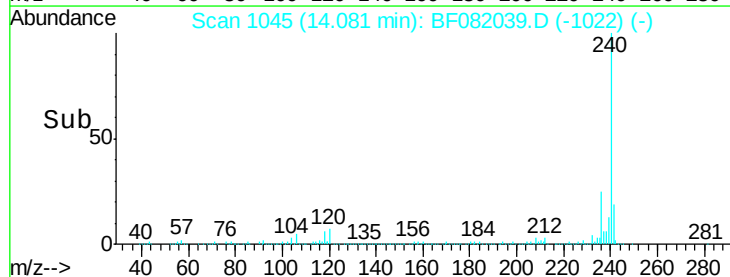
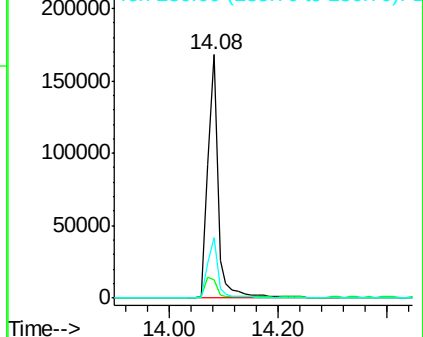


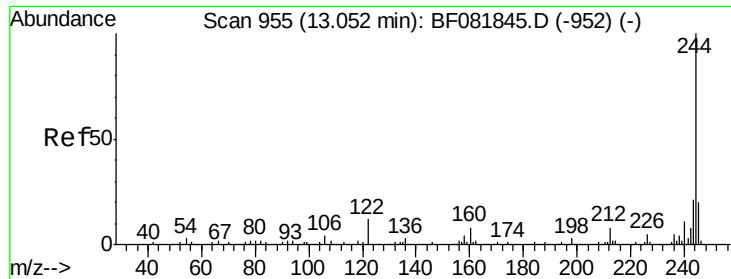
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.08 min Scan# 1045
 Delta R.T. -0.03 min
 Lab File: BF082039.D
 Acq: 3 Oct 2015 23:54

Tgt Ion:240 Resp: 224713
 Ion Ratio Lower Upper
 240 100
 120 7.4 16.2 24.2#
 236 25.0 18.4 27.6



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

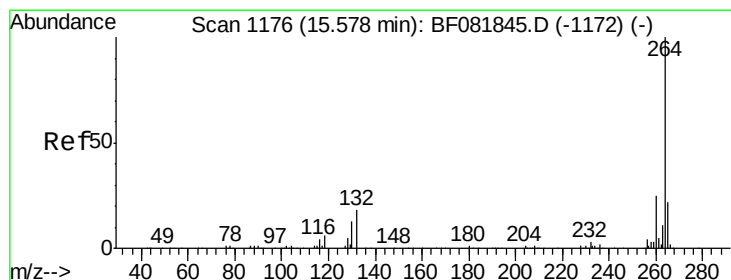
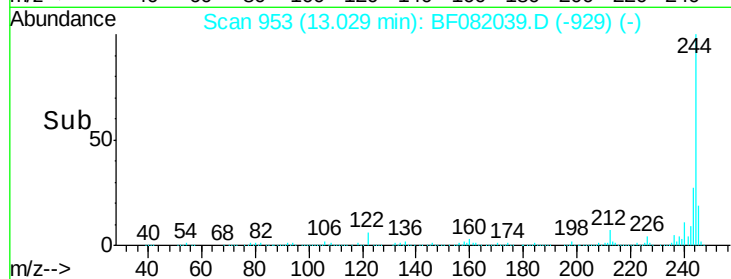
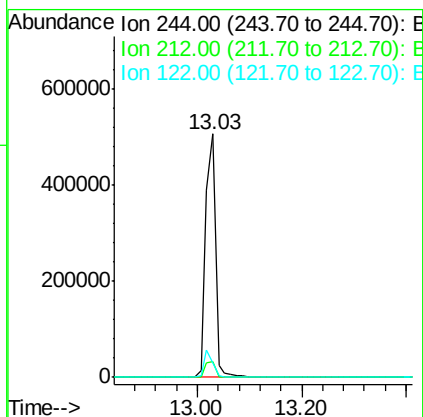
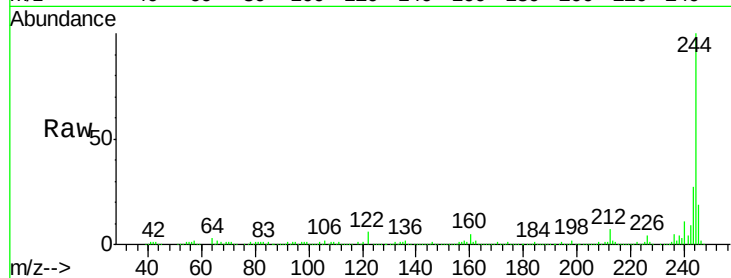




#78
 Terphenyl-d14
 Concen: 100.93 ng
 RT: 13.03 min Scan# 953
 Delta R.T. -0.02 min
 Lab File: BF082039.D
 Acq: 3 Oct 2015 23:54

Instrument :
 BNA_F
 ClientSampleId :
 SS-9(0-24)

Tgt Ion:244 Resp: 666374
 Ion Ratio Lower Upper
 244 100
 212 6.5 4.3 6.5#
 122 5.9 17.4 26.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.53 min Scan# 1172
 Delta R.T. -0.05 min
 Lab File: BF082039.D
 Acq: 3 Oct 2015 23:54

Tgt Ion:264 Resp: 211449
 Ion Ratio Lower Upper
 264 100
 260 24.6 16.7 25.1
 265 21.4 17.2 25.8

