

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092215\
 Data File : BF081762.D
 Acq On : 23 Sep 2015 8:53
 Operator : UM/IZ
 Sample : G3747-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-1

Quant Time: Sep 23 11:17:16 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 17:42:58 2015
 Response via : Initial Calibration

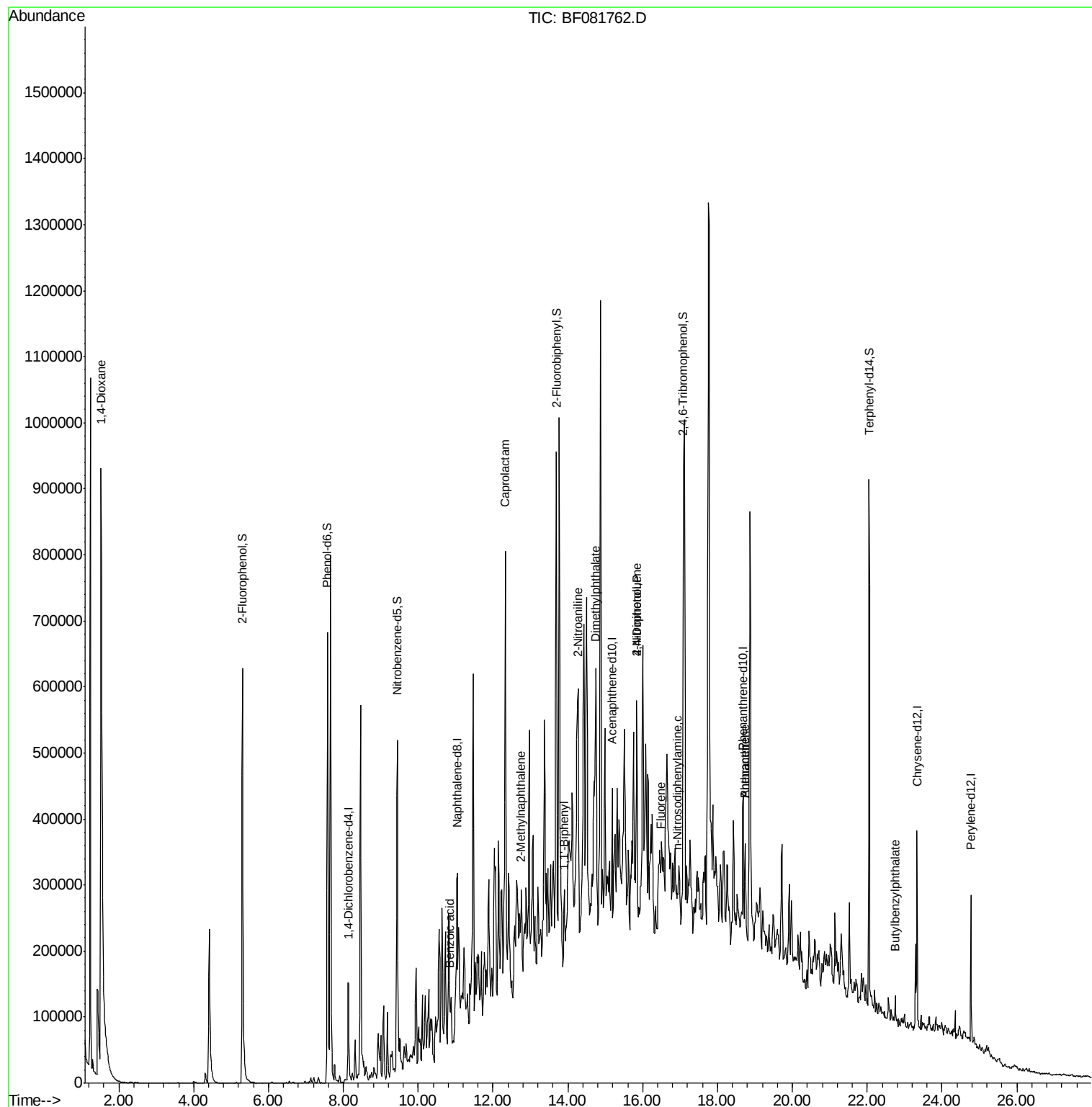
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	43154	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	170155	20.00	ng	0.00
38) Acenaphthene-d10	15.18	164	78804	20.00	ng	0.01
63) Phenanthrene-d10	18.69	188	151686	20.00	ng	0.01
75) Chrysene-d12	23.33	240	106043	20.00	ng	0.00
86) Perylene-d12	24.77	264	82018	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	306349	110.14	ng	0.02
7) Phenol-d6	7.58	99	437759	118.90	ng	0.00
23) Nitrobenzene-d5	9.44	82	289247	82.01	ng	-0.01
41) 2,4,6-Tribromophenol	17.09	330	85334	121.62	ng	0.01
44) 2-Fluorobiphenyl	13.69	172	436968	71.06	ng	0.00
78) Terphenyl-d14	22.05	244	378939	83.18	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	1.52	88	59494	47.63	ng	# 11
32) Benzoic acid	10.85	122	339	2.71	ng	# 1
35) Caprolactam	12.33	113	25893	35.31	ng	# 1
37) 2-Methylnaphthalene	12.75	142	15540	2.63	ng	# 78
45) 1,1'-Biphenyl	13.89	154	21881	3.02	ng	# 93
47) 2-Nitroaniline	14.27	65	5174	2.42	ng	# 15
49) Dimethylphthalate	14.75	163	105474	17.23	ng	# 97
55) 4-Nitrophenol	15.84	139	8639	8.69	ng	# 62
56) 2,4-Dinitrotoluene	15.84	165	5233	2.96	ng	# 41
57) Fluorene	16.48	166	25292	4.32	ng	# 65
65) n-Nitrosodiphenylamine	16.94	169	24037	4.35	ng	# 42
70) Phenanthrene	18.73	178	80693	9.57	ng	# 96
71) Anthracene	18.73	178	80693	9.31	ng	# 96
79) Butylbenzylphthalate	22.75	149	8934	2.62	ng	# 74

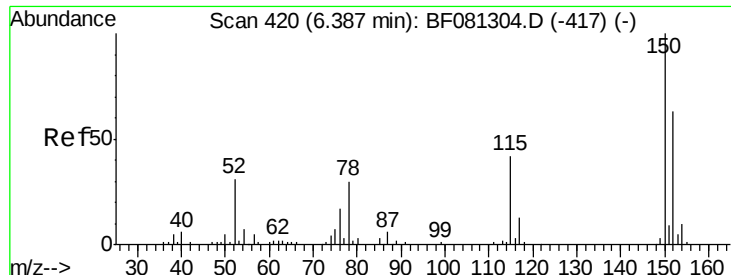
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092215\
Data File : BF081762.D
Acq On : 23 Sep 2015 8:53
Operator : UM/IZ
Sample : G3747-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TRENCH-1-1

Quant Time: Sep 23 11:17:16 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 22 17:42:58 2015
Response via : Initial Calibration

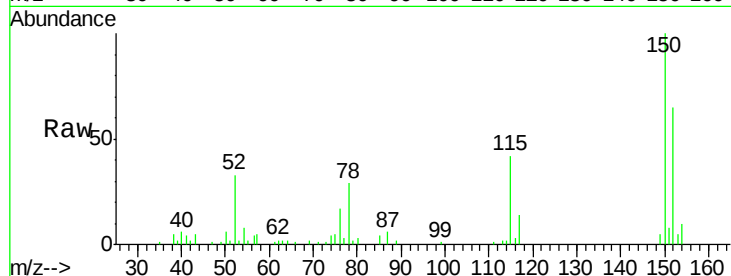




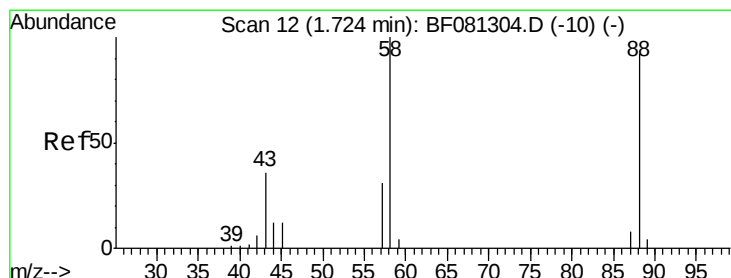
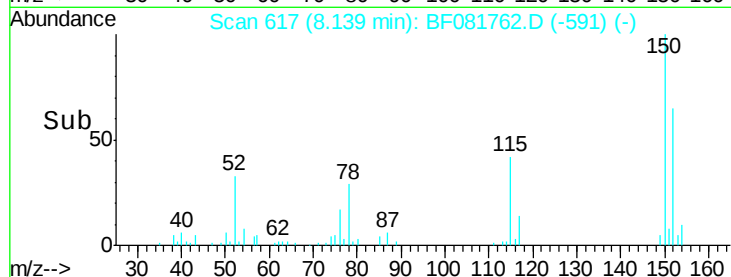
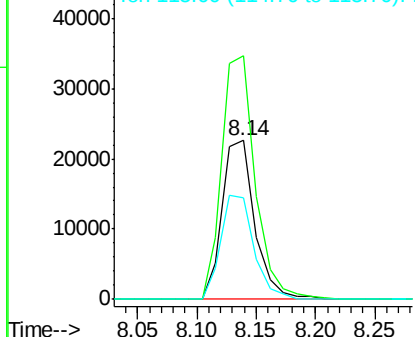
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.14 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: BF081762.D
 Acq: 23 Sep 2015 8:53

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-1

Tgt Ion: 152 Resp: 43154
 Ion Ratio Lower Upper
 152 100
 150 153.5 124.7 187.1
 115 64.1 39.0 58.4#

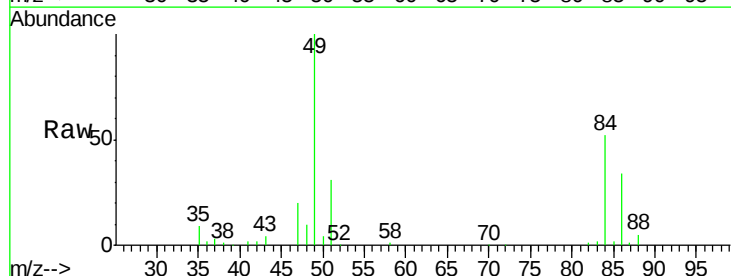


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

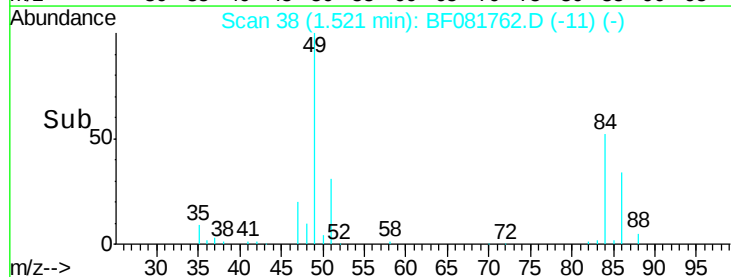
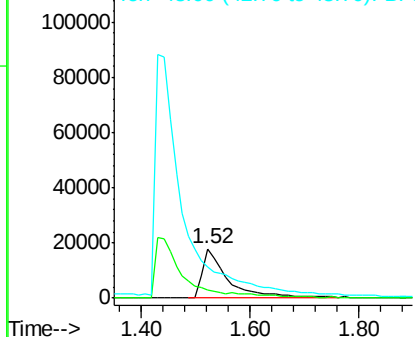


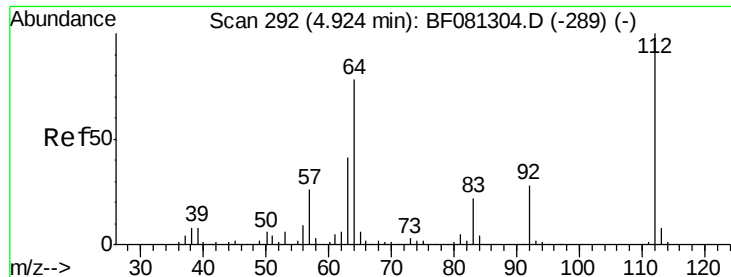
#2
 1,4-Dioxane
 Concen: 47.63 ng
 RT: 1.52 min Scan# 38
 Delta R.T. 0.01 min
 Lab File: BF081762.D
 Acq: 23 Sep 2015 8:53

Tgt Ion: 88 Resp: 59494
 Ion Ratio Lower Upper
 88 100
 58 0.0 77.7 116.5#
 43 0.0 26.6 40.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
 Ion 58.00 (57.70 to 58.70): BF0
 Ion 43.00 (42.70 to 43.70): BF0

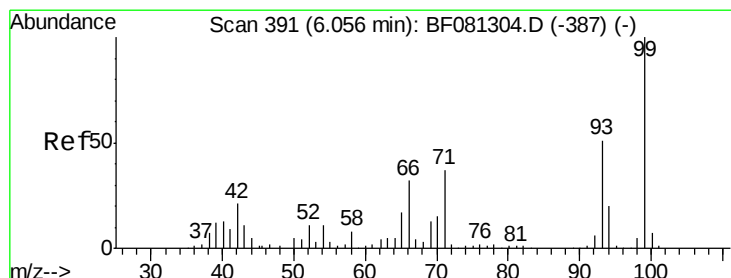
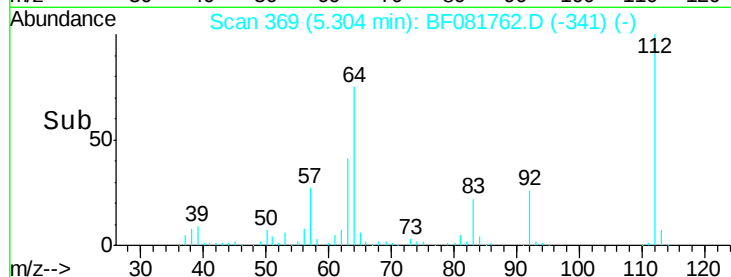
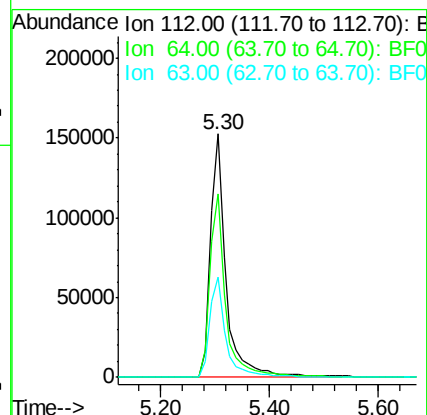
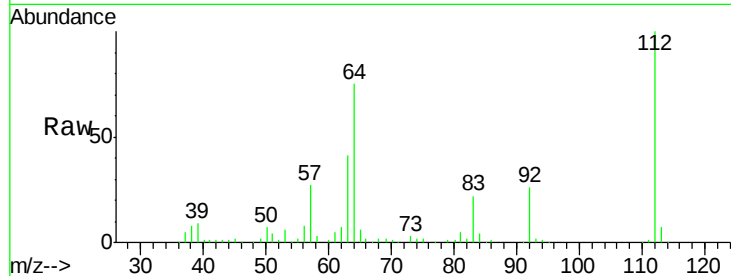




#5
 2-Fluorophenol
 Concen: 110.14 ng
 RT: 5.30 min Scan# 369
 Delta R.T. 0.02 min
 Lab File: BF081762.D
 Acq: 23 Sep 2015 8:53

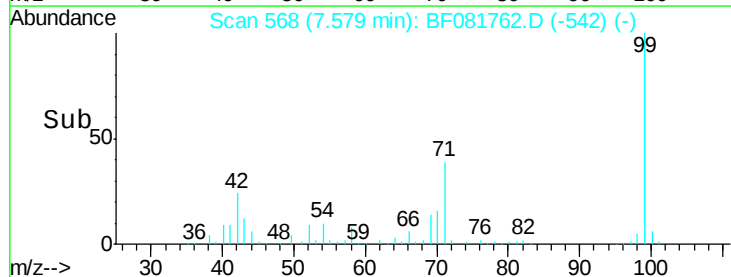
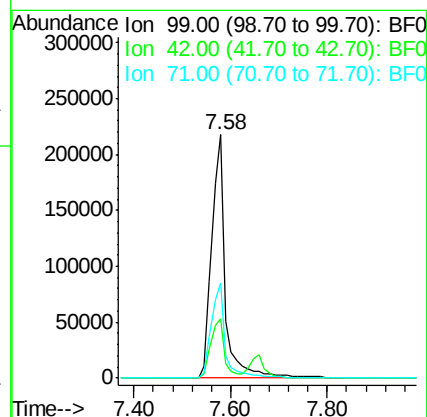
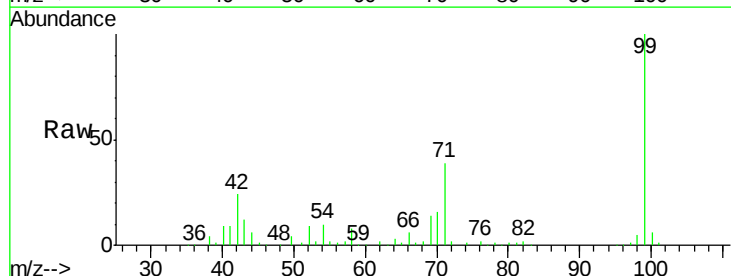
Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-1

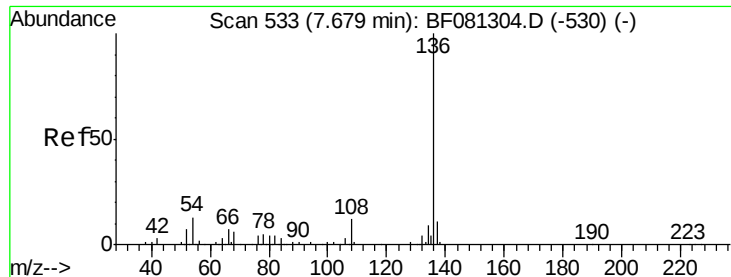
Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.3	39.7	59.5#
63	41.3	17.4	26.0#



#7
 Phenol-d6
 Concen: 118.90 ng
 RT: 7.58 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: BF081762.D
 Acq: 23 Sep 2015 8:53

Tgt Ion	Ratio	Lower	Upper
99	100		
42	24.2	13.7	20.5#
71	39.3	14.2	21.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.04 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF081762.D

Acq: 23 Sep 2015 8:53

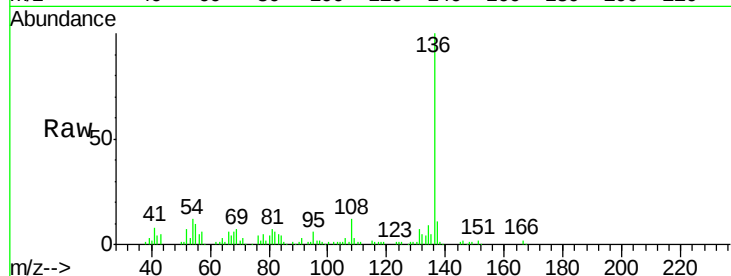
Instrument :

BNA_F

ClientSampleId :

TRENCH-1-1

Tgt Ion:	136	Resp:	170155
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	11.6	8.2	12.2
68	5.7	5.8	8.6#

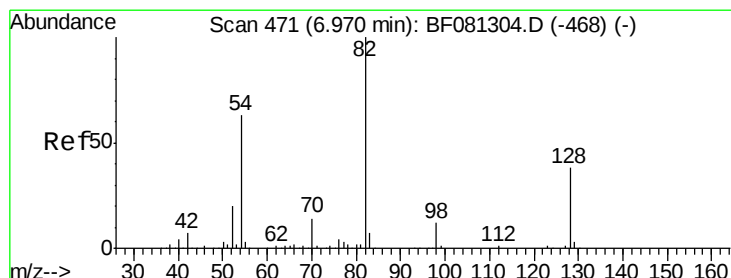
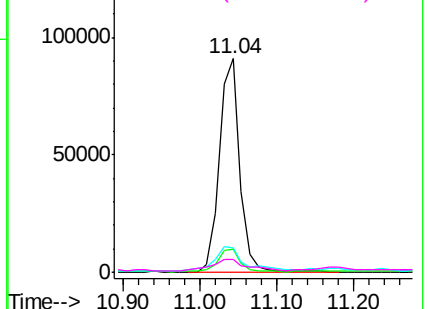
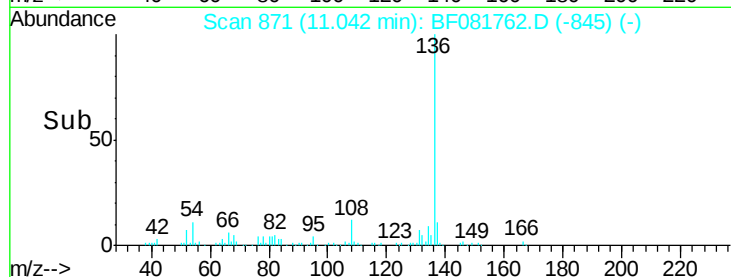


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.01 ng

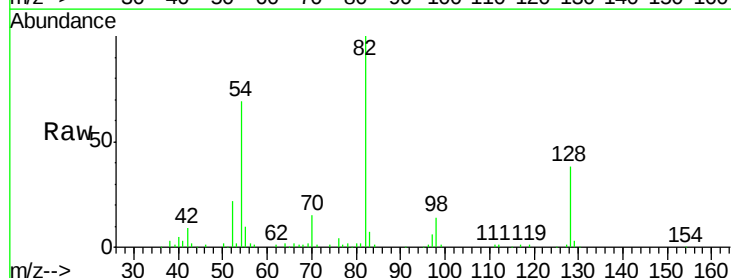
RT: 9.44 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF081762.D

Acq: 23 Sep 2015 8:53

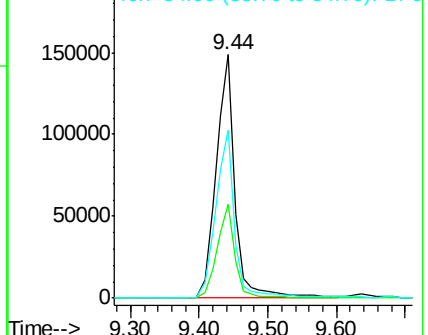
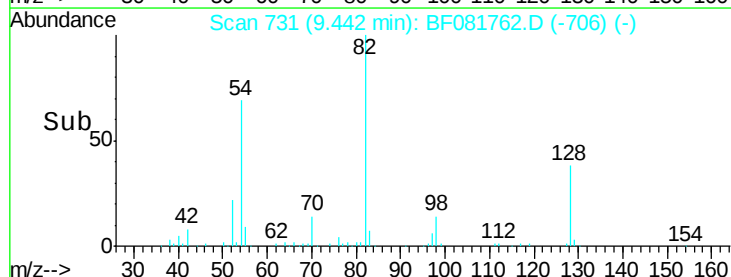
Tgt Ion:	82	Resp:	289247
Ion	Ratio	Lower	Upper
82	100		
128	38.4	51.0	76.6#
54	69.2	47.5	71.3

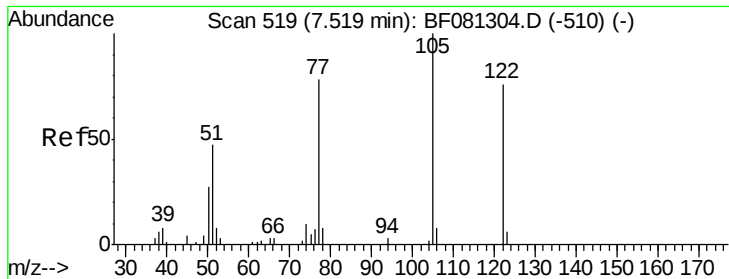


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 2.71 ng

RT: 10.85 min Scan# 854

Delta R.T. -0.23 min

Lab File: BF081762.D

Acq: 23 Sep 2015 8:53

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-1

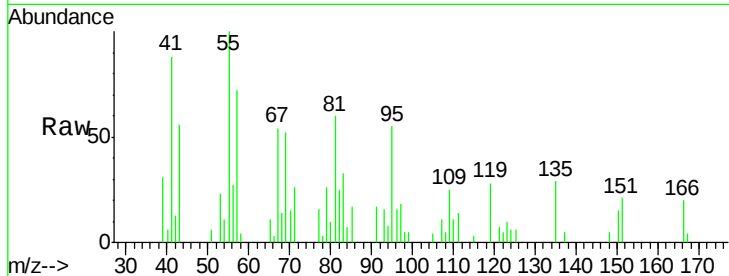
Tgt Ion:122 Resp: 339

Ion Ratio Lower Upper

122 100

105 76.2 76.1 116.1

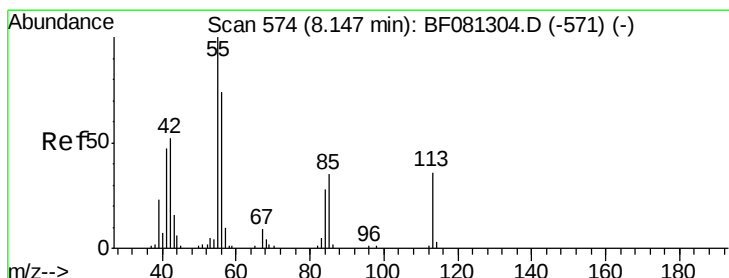
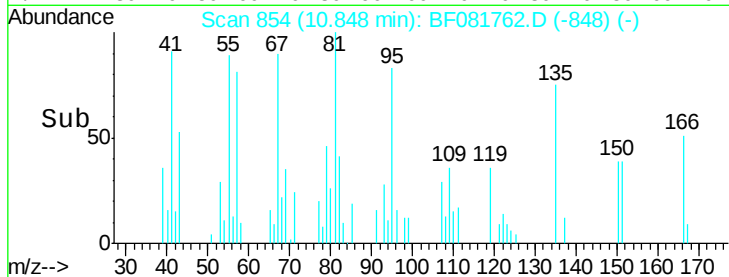
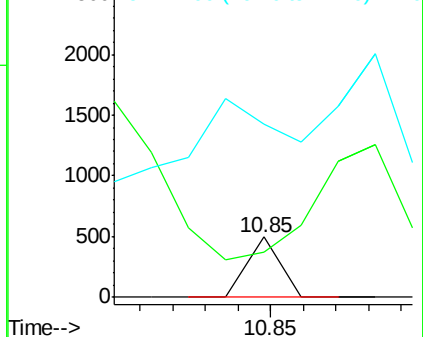
77 287.7 40.5 80.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#35

Caprolactam

Concen: 35.31 ng

RT: 12.33 min Scan# 984

Delta R.T. 0.01 min

Lab File: BF081762.D

Acq: 23 Sep 2015 8:53

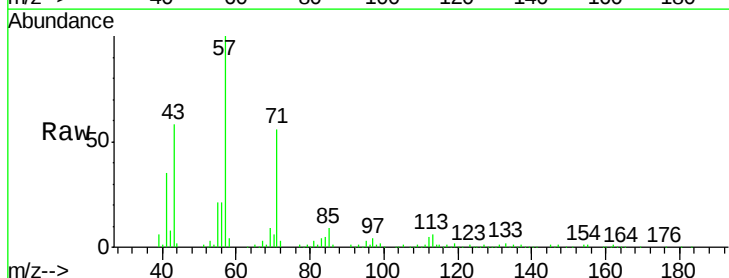
Tgt Ion:113 Resp: 25893

Ion Ratio Lower Upper

113 100

55 319.0 152.4 192.4#

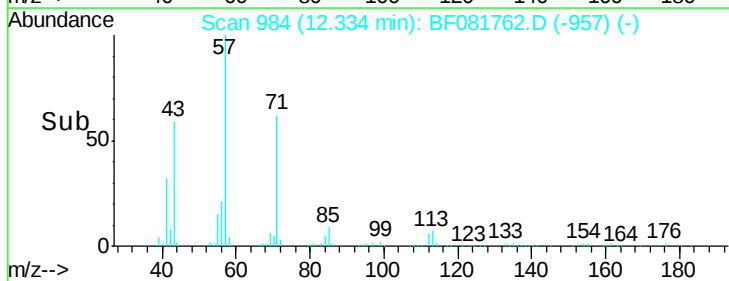
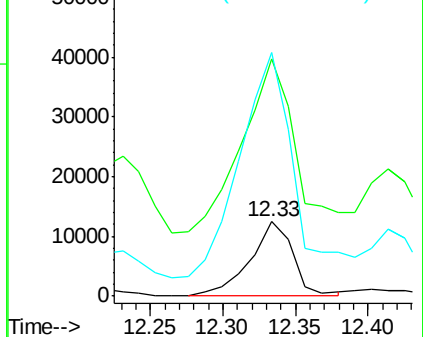
56 328.2 104.6 144.6#

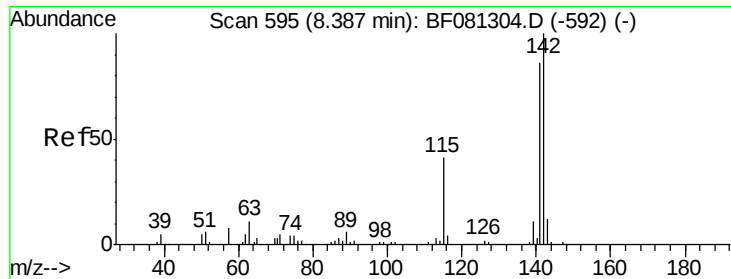


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

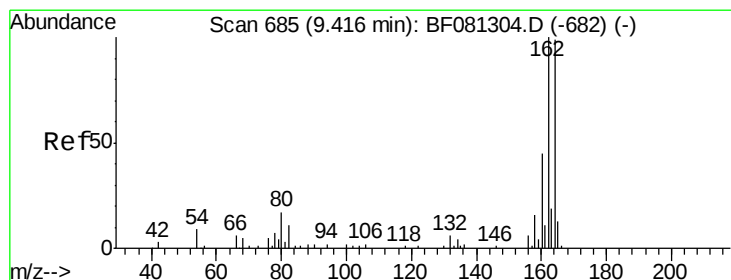
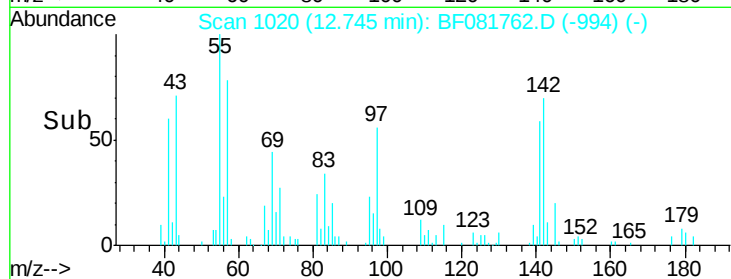
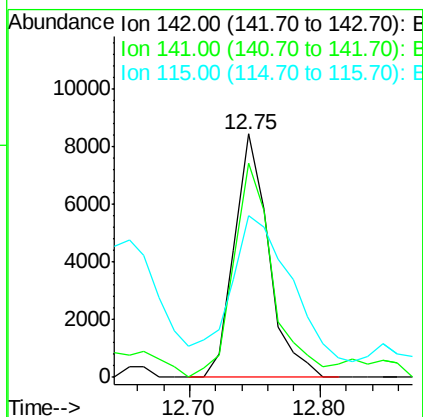
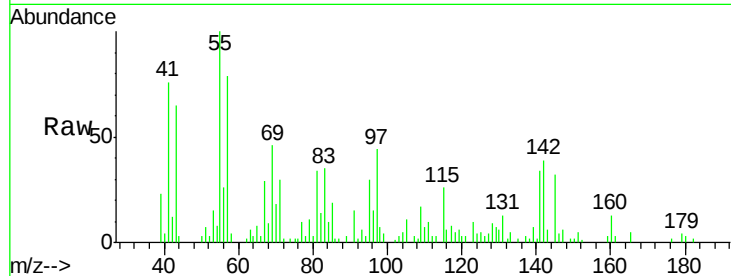




#37
 2-Methylnaphthalene
 Concen: 2.63 ng
 RT: 12.75 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: BF081762.D
 Acq: 23 Sep 2015 8:53

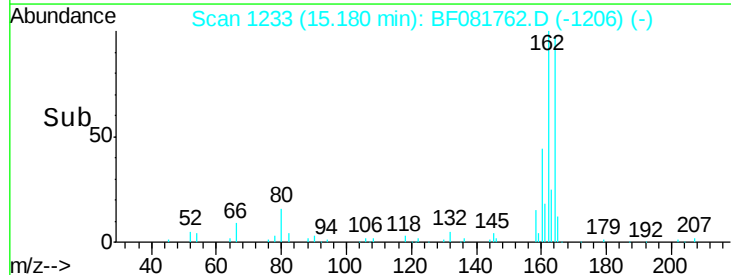
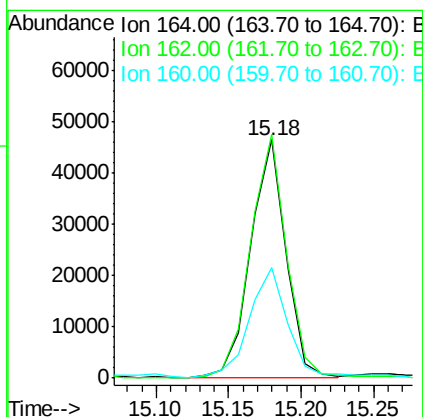
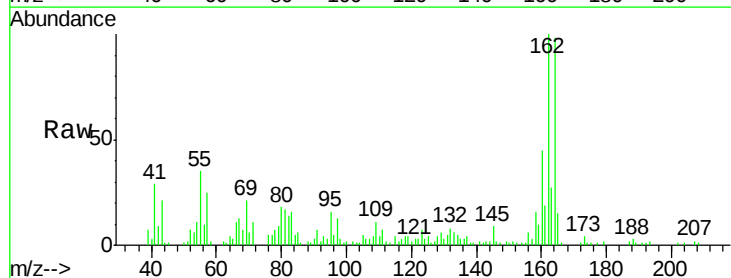
Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-1

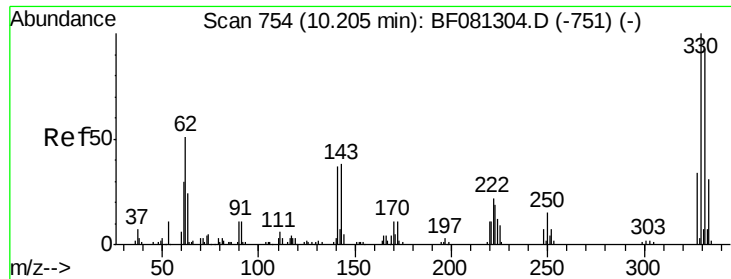
Tgt Ion:142 Resp: 15540
 Ion Ratio Lower Upper
 142 100
 141 88.0 67.5 101.3
 115 66.7 18.2 27.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.18 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: BF081762.D
 Acq: 23 Sep 2015 8:53

Tgt Ion:164 Resp: 78804
 Ion Ratio Lower Upper
 164 100
 162 102.2 75.2 112.8
 160 46.3 31.5 47.3

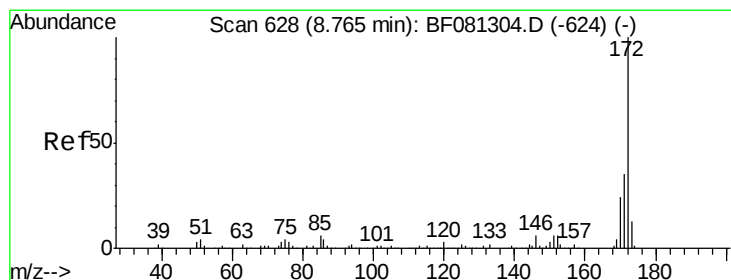
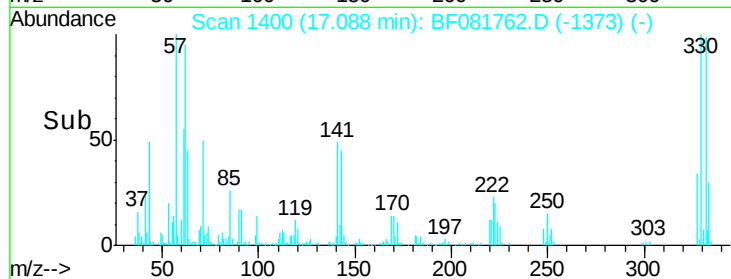
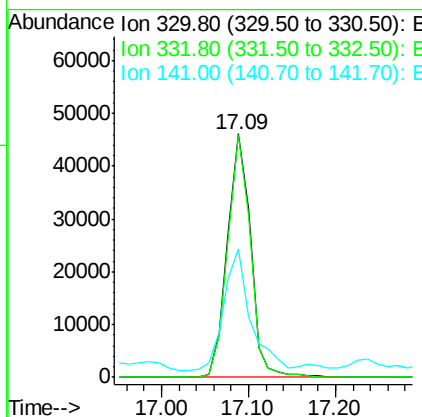
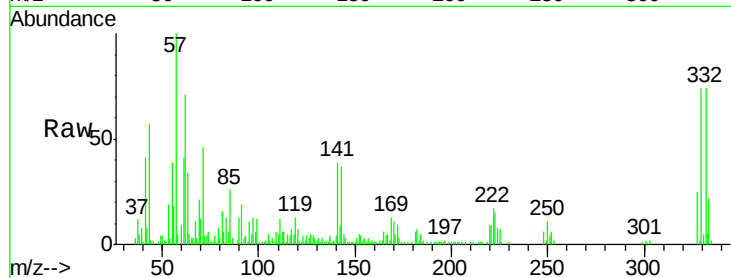




#41
 2,4,6-Tribromophenol
 Concen: 121.62 ng
 RT: 17.09 min Scan# 1400
 Delta R.T. 0.01 min
 Lab File: BF081762.D
 Acq: 23 Sep 2015 8:53

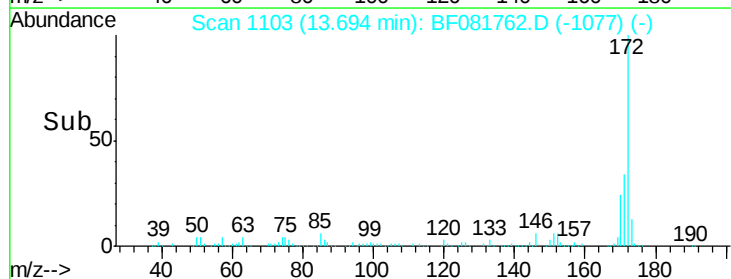
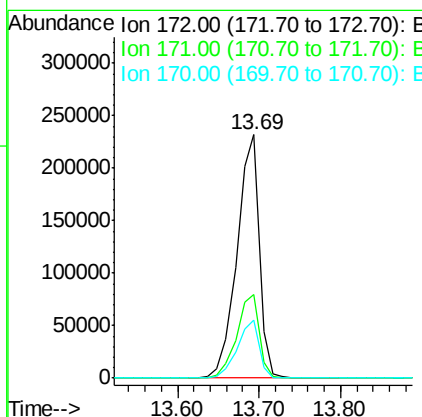
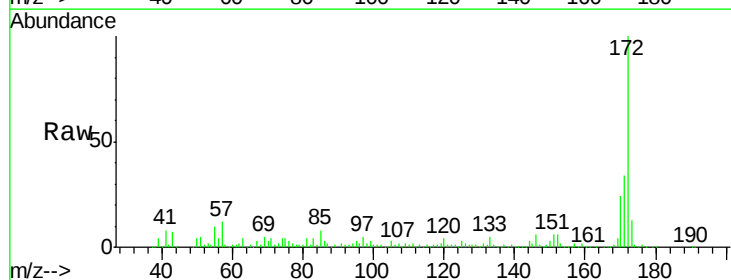
Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-1

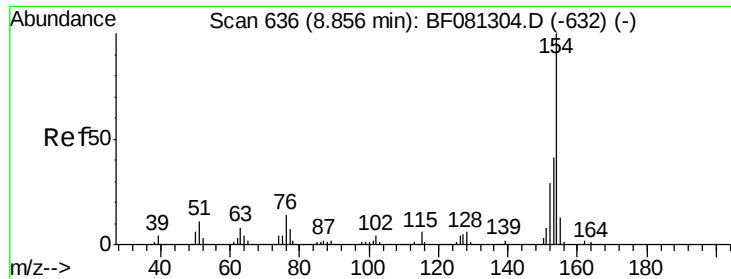
Tgt Ion:330 Resp: 85334
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 114.8
 141 58.9 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 71.06 ng
 RT: 13.69 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: BF081762.D
 Acq: 23 Sep 2015 8:53

Tgt Ion:172 Resp: 436968
 Ion Ratio Lower Upper
 172 100
 171 34.5 26.1 39.1
 170 23.9 17.4 26.2

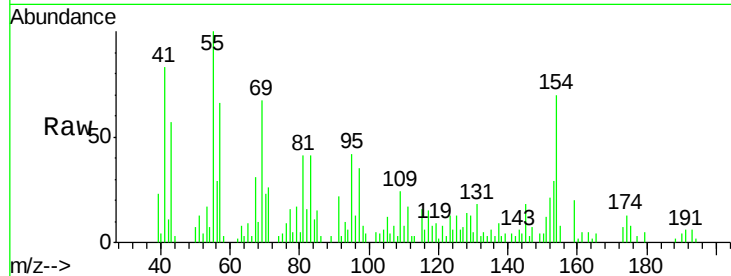




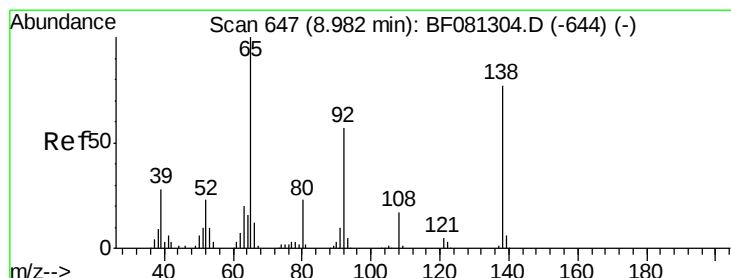
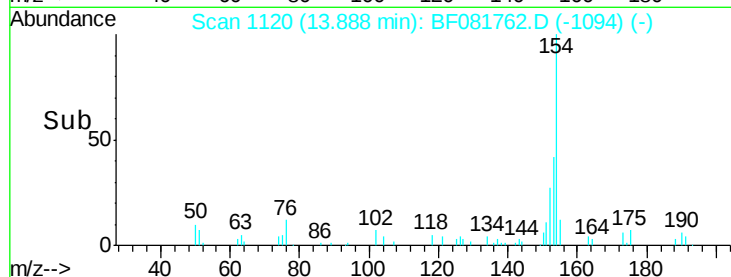
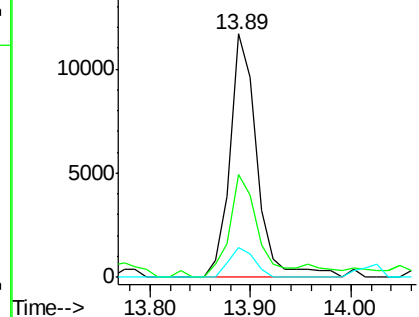
#45
 1,1'-Biphenyl
 Concen: 3.02 ng
 RT: 13.89 min Scan# 1120
 Delta R.T. 0.00 min
 Lab File: BF081762.D
 Acq: 23 Sep 2015 8:53

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-1

Tgt Ion: 154 Resp: 21881
 Ion Ratio Lower Upper
 154 100
 153 42.2 17.1 57.1
 76 12.5 0.0 31.6

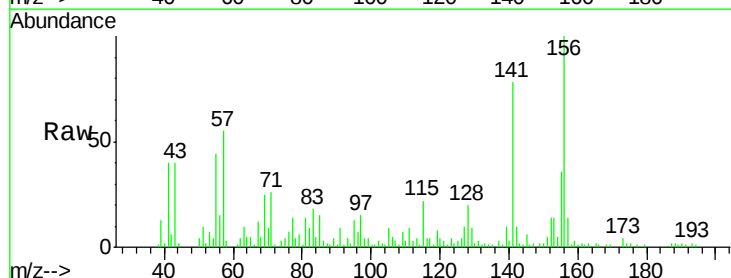


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

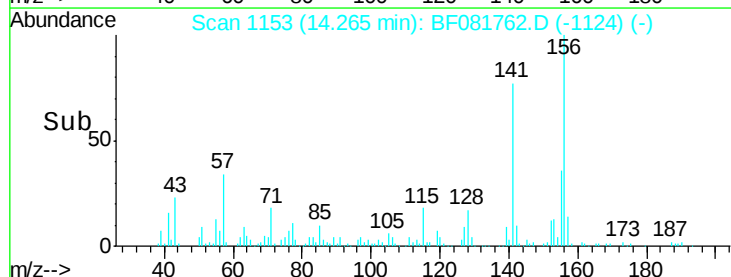
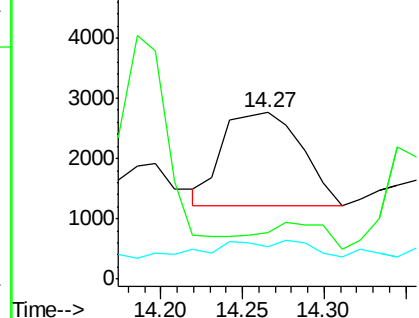


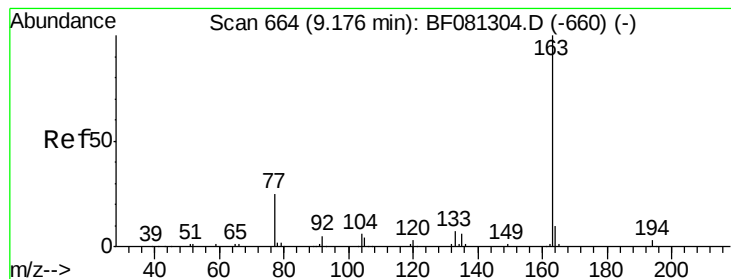
#47
 2-Nitroaniline
 Concen: 2.42 ng
 RT: 14.27 min Scan# 1153
 Delta R.T. 0.03 min
 Lab File: BF081762.D
 Acq: 23 Sep 2015 8:53

Tgt Ion: 65 Resp: 5174
 Ion Ratio Lower Upper
 65 100
 92 27.8 55.4 83.0#
 138 19.2 115.5 173.3#



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 17.23 ng

RT: 14.75 min Scan# 1195

Delta R.T. -0.03 min

Lab File: BF081762.D

Acq: 23 Sep 2015 8:53

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-1

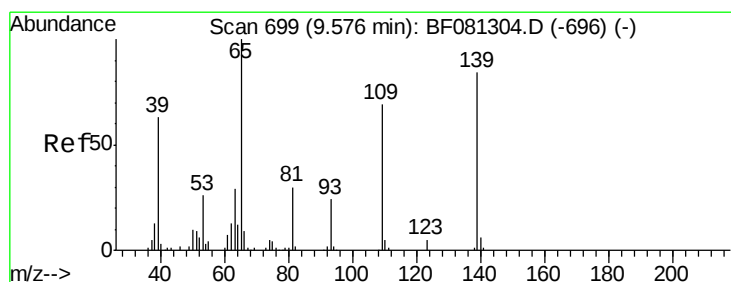
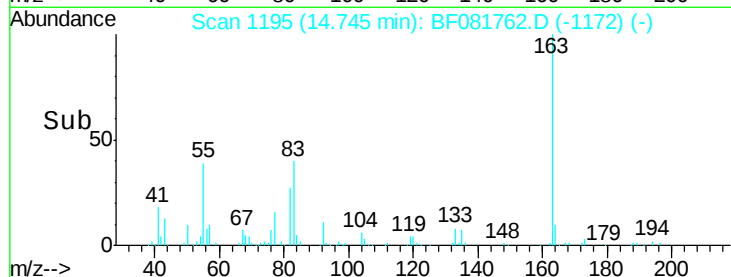
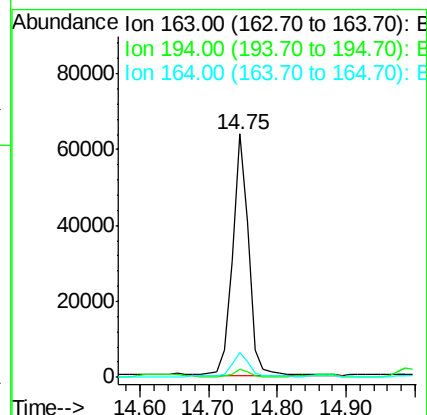
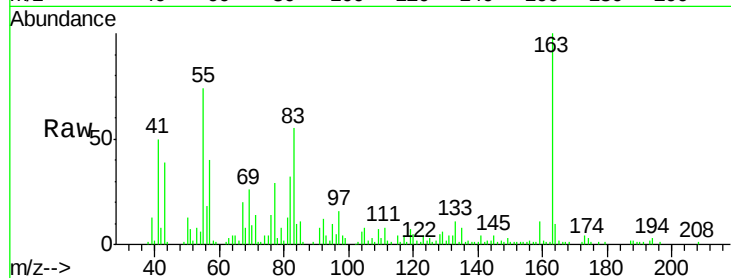
Tgt Ion:163 Resp: 105474

Ion Ratio Lower Upper

163 100

194 3.2 4.4 6.6#

164 10.1 8.3 12.5



#55

4-Nitrophenol

Concen: 8.69 ng

RT: 15.84 min Scan# 1291

Delta R.T. -0.06 min

Lab File: BF081762.D

Acq: 23 Sep 2015 8:53

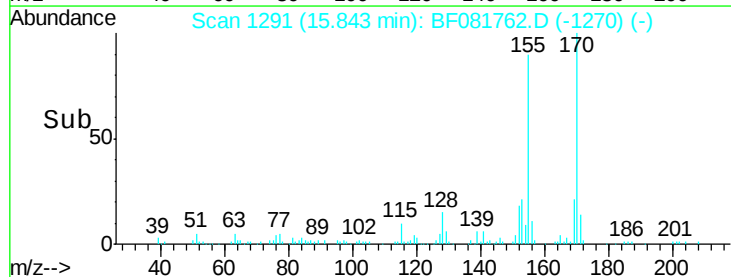
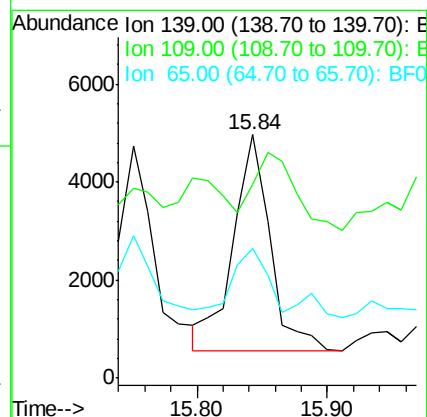
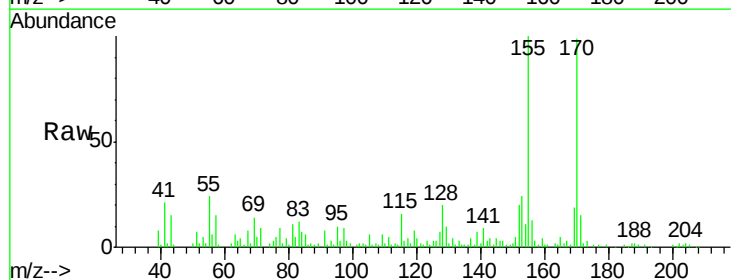
Tgt Ion:139 Resp: 8639

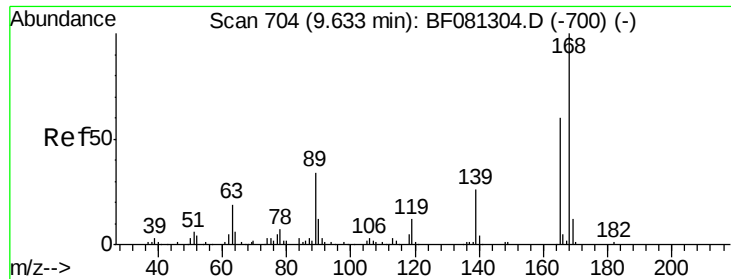
Ion Ratio Lower Upper

139 100

109 79.5 12.7 52.7#

65 53.5 45.9 85.9

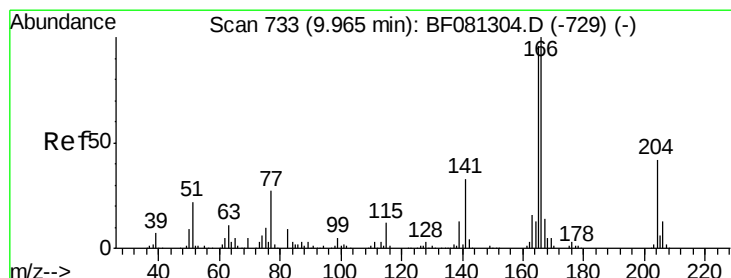
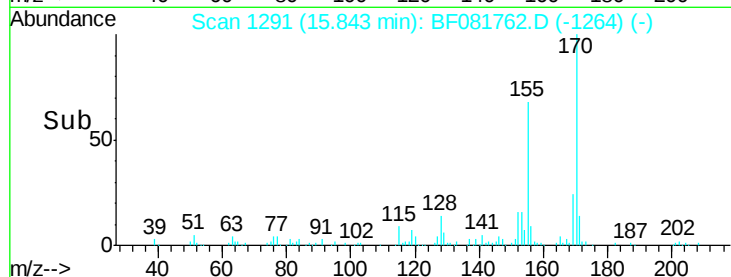
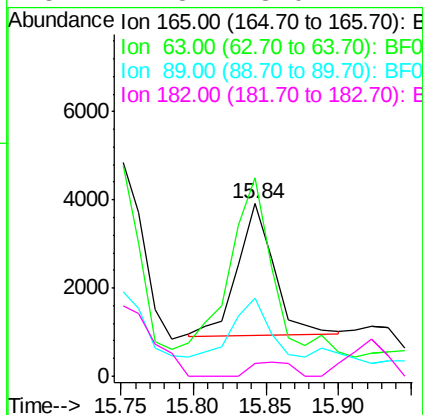
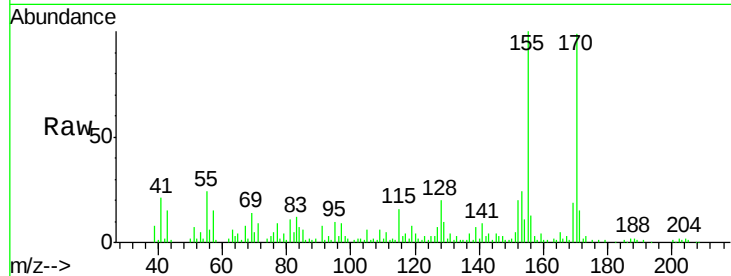




#56
2,4-Dinitrotoluene
Concen: 2.96 ng
RT: 15.84 min Scan# 1291
Delta R.T. 0.01 min
Lab File: BF081762.D
Acq: 23 Sep 2015 8:53

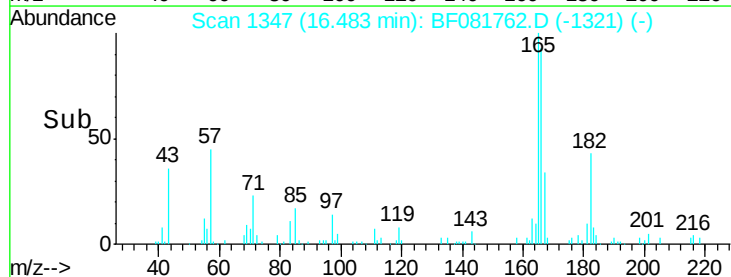
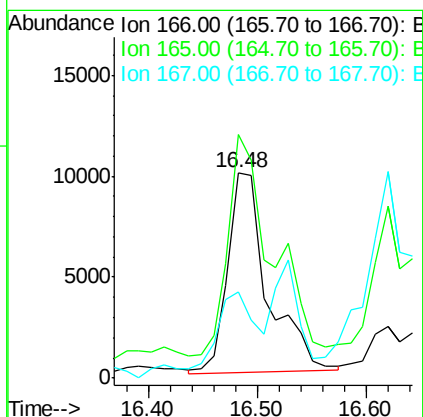
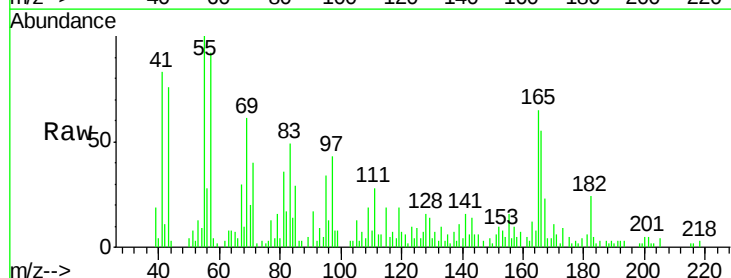
Instrument :
BNA_F
ClientSampleId :
TRENCH-1-1

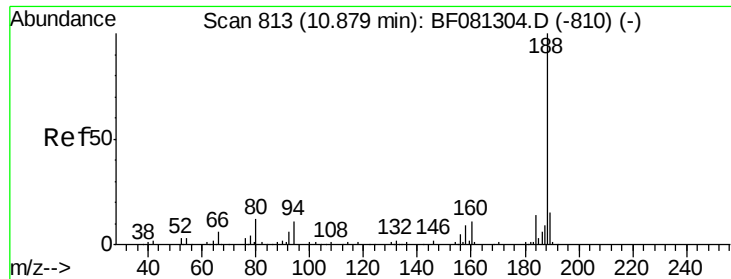
Tgt Ion:165 Resp: 5233
Ion Ratio Lower Upper
165 100
63 115.2 29.8 44.6#
89 45.5 44.5 66.7
182 7.8 3.0 4.4#



#57
Fluorene
Concen: 4.32 ng
RT: 16.48 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BF081762.D
Acq: 23 Sep 2015 8:53

Tgt Ion:166 Resp: 25292
Ion Ratio Lower Upper
166 100
165 118.6 72.6 109.0#
167 41.8 10.6 16.0#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.69 min Scan# 1540

Delta R.T. 0.01 min

Lab File: BF081762.D

Acq: 23 Sep 2015 8:53

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-1

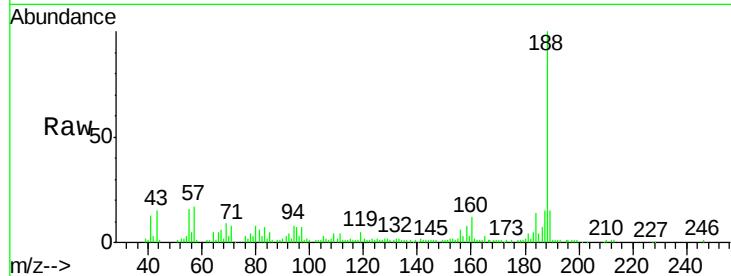
Tgt Ion:188 Resp: 151686

Ion Ratio Lower Upper

188 100

94 7.6 11.1 16.7#

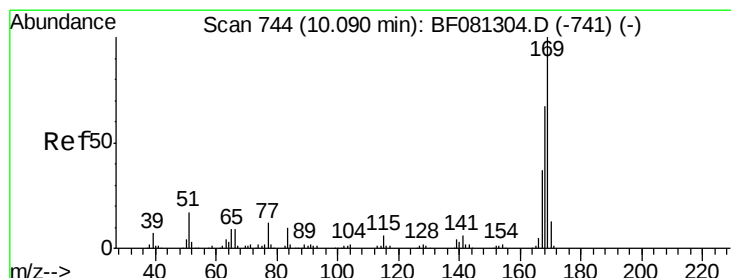
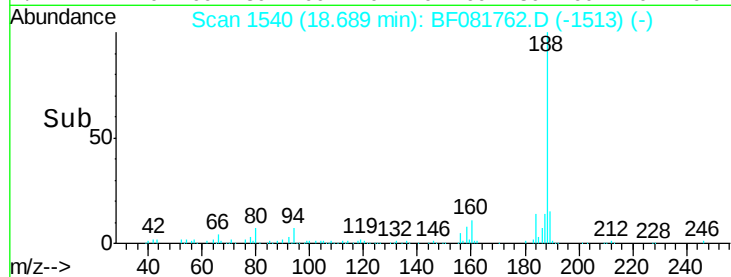
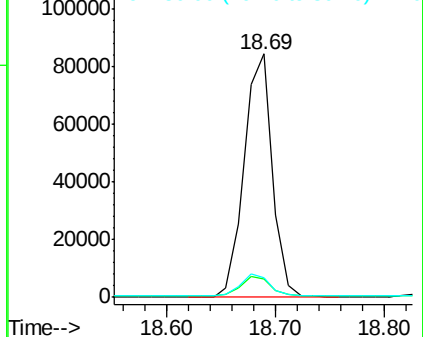
80 7.9 11.0 16.4#



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



#65

n-Nitrosodiphenylamine

Concen: 4.35 ng

RT: 16.94 min Scan# 1387

Delta R.T. 0.03 min

Lab File: BF081762.D

Acq: 23 Sep 2015 8:53

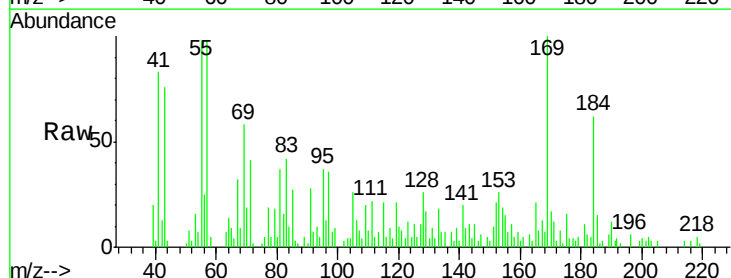
Tgt Ion:169 Resp: 24037

Ion Ratio Lower Upper

169 100

168 6.9 48.9 73.3#

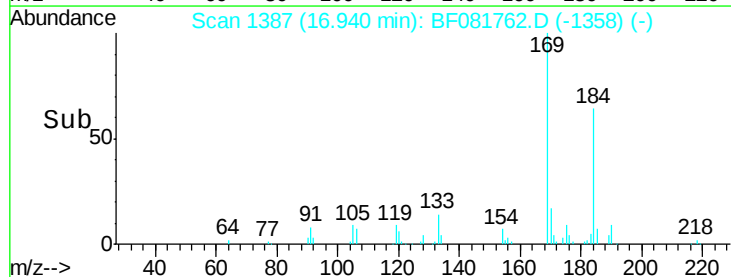
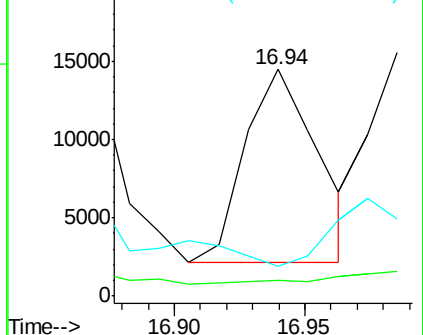
167 13.2 26.2 39.4#

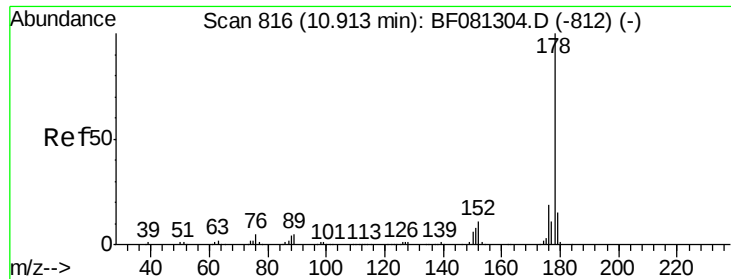


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 9.57 ng

RT: 18.73 min Scan# 1544

Delta R.T. 0.00 min

Lab File: BF081762.D

Acq: 23 Sep 2015 8:53

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-1

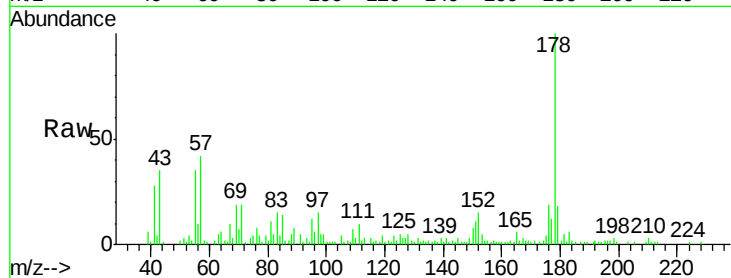
Tgt Ion:178 Resp: 80693

Ion Ratio Lower Upper

178 100

176 18.7 13.8 20.8

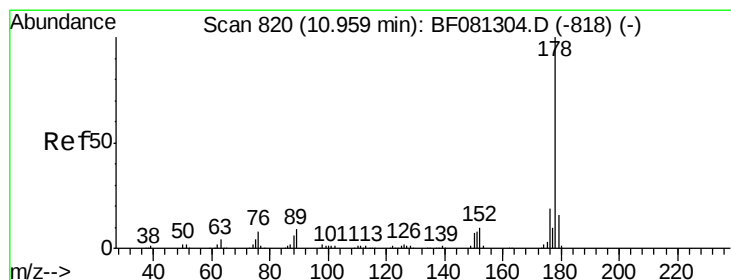
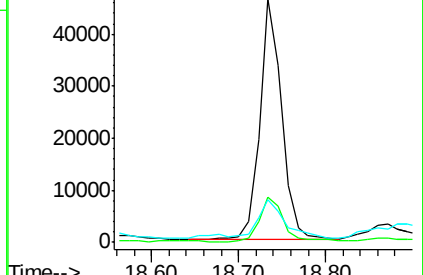
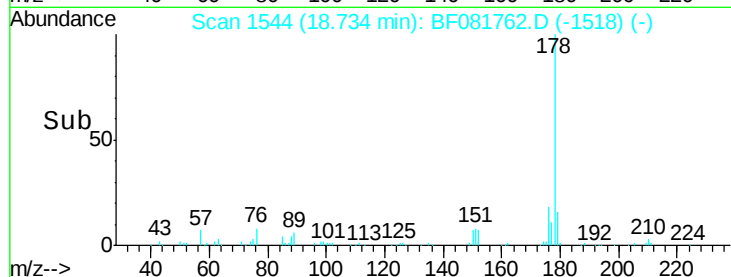
179 17.7 12.2 18.2



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



#71

Anthracene

Concen: 9.31 ng

RT: 18.73 min Scan# 1544

Delta R.T. -0.13 min

Lab File: BF081762.D

Acq: 23 Sep 2015 8:53

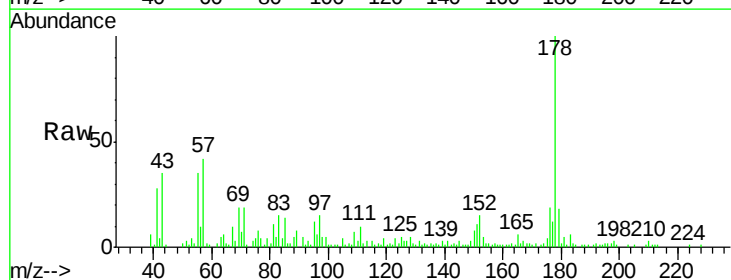
Tgt Ion:178 Resp: 80693

Ion Ratio Lower Upper

178 100

176 18.7 14.1 21.1

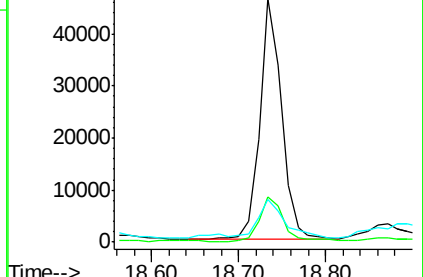
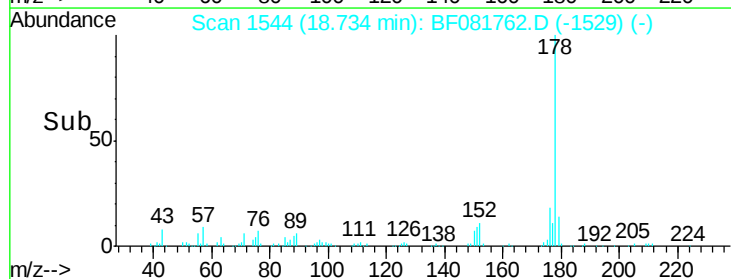
179 17.7 12.2 18.2

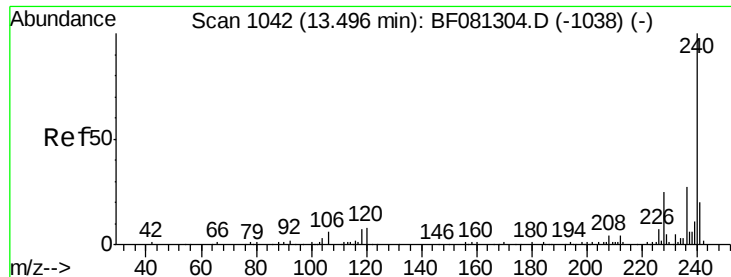


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

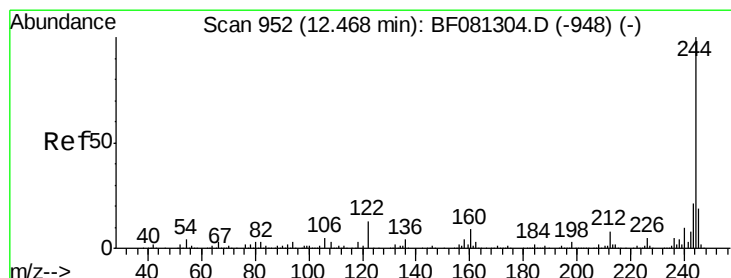
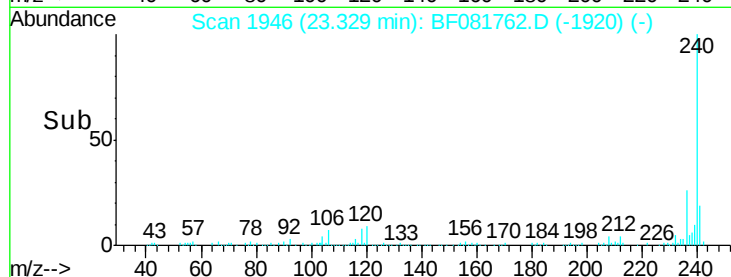
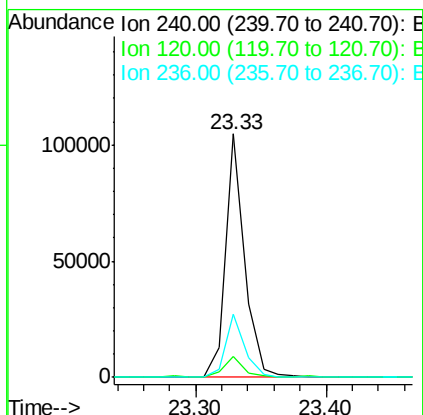
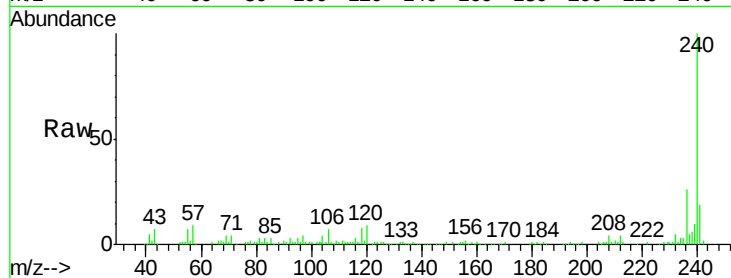




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 23.33 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: BF081762.D
 Acq: 23 Sep 2015 8:53

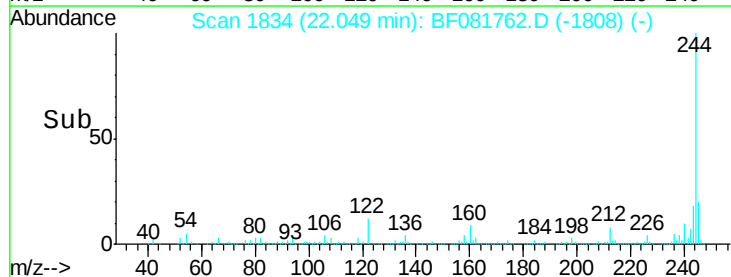
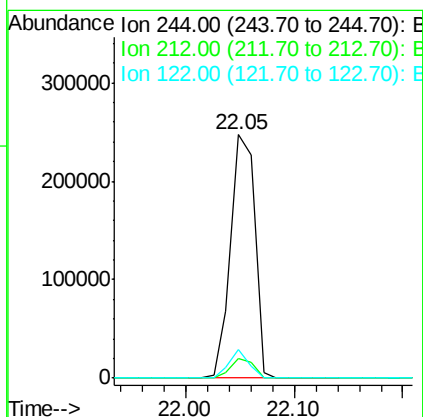
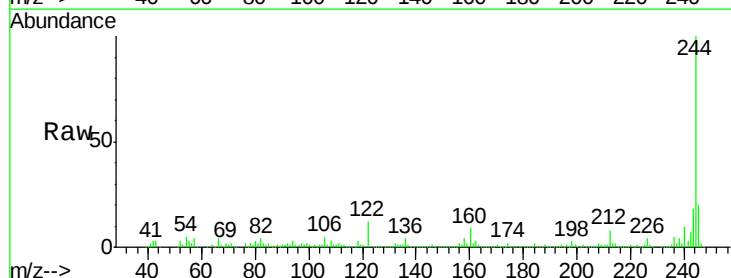
Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-1

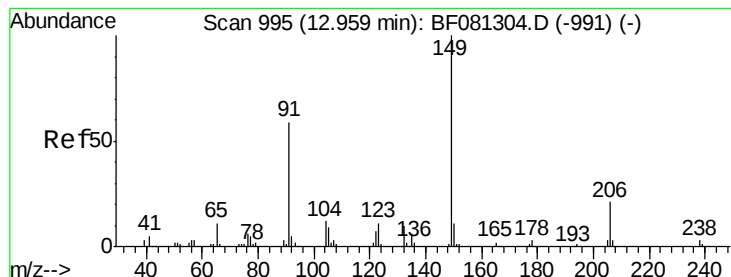
Tgt Ion: 240 Resp: 106043
 Ion Ratio Lower Upper
 240 100
 120 8.7 16.2 24.2#
 236 26.1 18.4 27.6



#78
 Terphenyl-d14
 Concen: 83.18 ng
 RT: 22.05 min Scan# 1834
 Delta R.T. 0.00 min
 Lab File: BF081762.D
 Acq: 23 Sep 2015 8:53

Tgt Ion: 244 Resp: 378939
 Ion Ratio Lower Upper
 244 100
 212 7.9 4.3 6.5#
 122 12.0 17.4 26.2#





#79

Butylbenzylphthalate

Concen: 2.62 ng

RT: 22.75 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BF081762.D

Acq: 23 Sep 2015 8:53

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-1

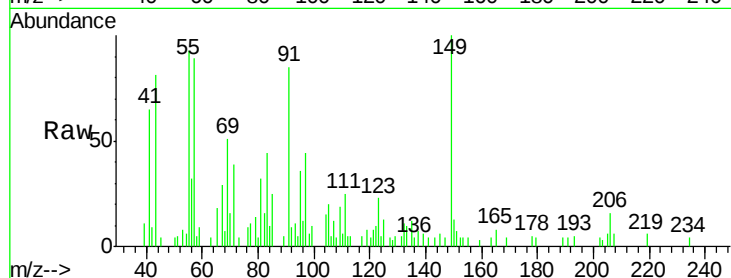
Tgt Ion:149 Resp: 8934

Ion Ratio Lower Upper

149 100

91 85.3 48.6 72.8#

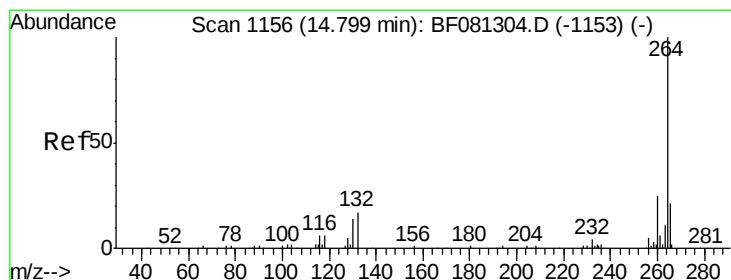
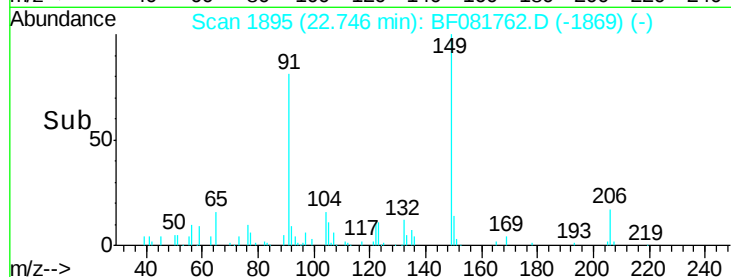
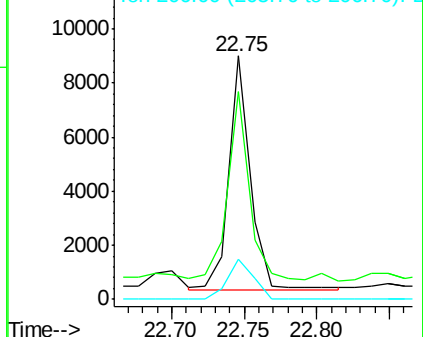
206 16.4 14.9 22.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.77 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BF081762.D

Acq: 23 Sep 2015 8:53

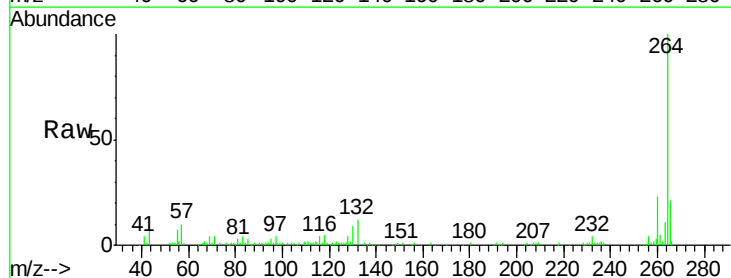
Tgt Ion:264 Resp: 82018

Ion Ratio Lower Upper

264 100

260 23.1 16.7 25.1

265 20.7 17.2 25.8



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

