

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092115\
 Data File : BF081730.D
 Acq On : 22 Sep 2015 2:38
 Operator : UM/IZ
 Sample : G3747-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-1

Quant Time: Sep 22 04:12:47 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 14:03:59 2015
 Response via : Initial Calibration

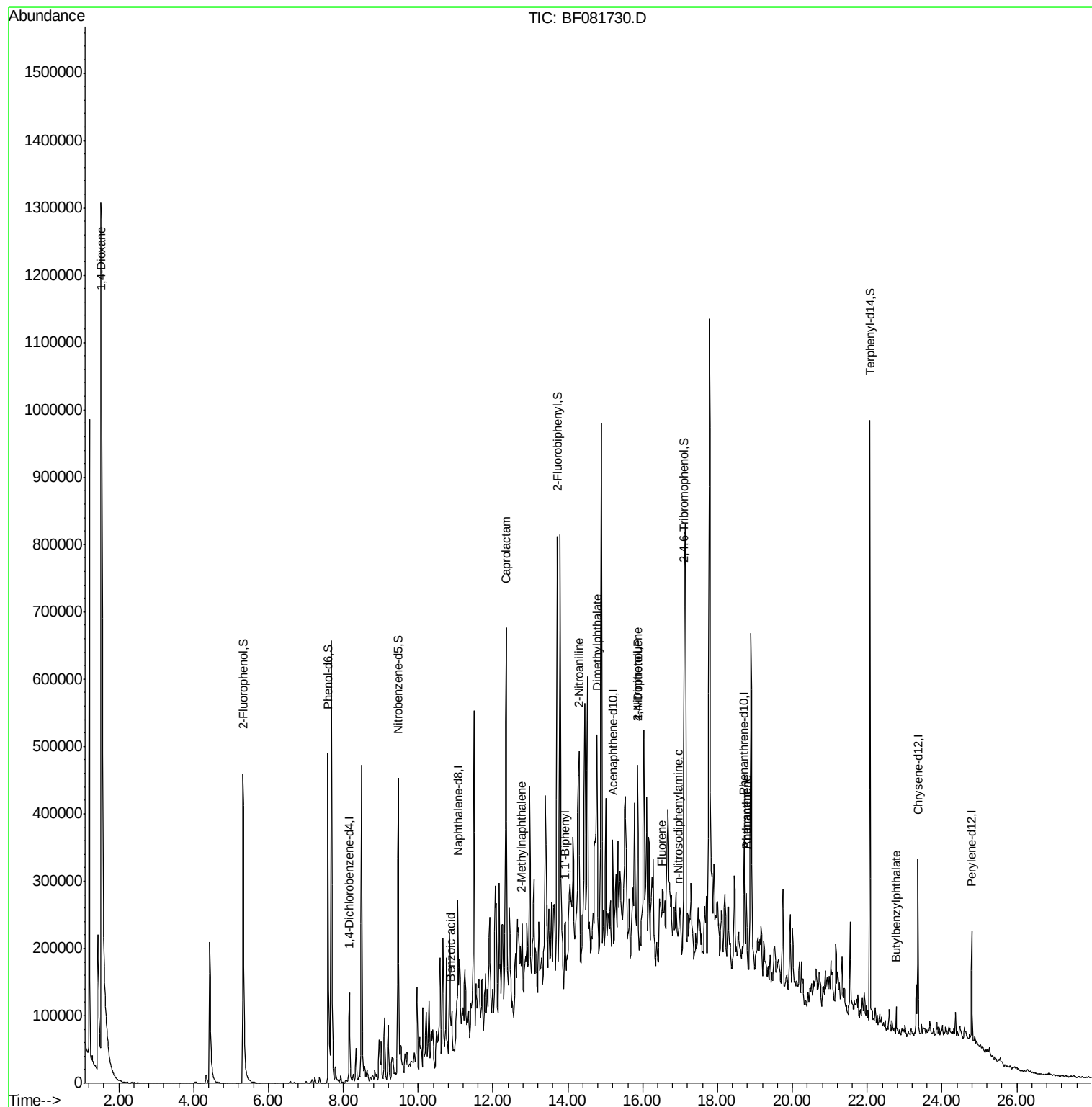
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	34252	20.00	ng	-0.06
21) Naphthalene-d8	11.06	136	132427	20.00	ng	-0.06
38) Acenaphthene-d10	15.20	164	62222	20.00	ng	-0.06
63) Phenanthrene-d10	18.71	188	122655	20.00	ng	-0.04
75) Chrysene-d12	23.35	240	100948	20.00	ng	-0.03
86) Perylene-d12	24.79	264	75475	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	249499	113.02	ng	-0.03
7) Phenol-d6	7.60	99	351924	120.43	ng	-0.04
23) Nitrobenzene-d5	9.46	82	234624	85.48	ng	-0.07
41) 2,4,6-Tribromophenol	17.11	330	65529	118.28	ng	-0.06
44) 2-Fluorobiphenyl	13.72	172	349064	71.89	ng	-0.06
78) Terphenyl-d14	22.07	244	309548	71.38	ng	-0.04
Target Compounds						
2) 1,4-Dioxane	1.52	88	87255	88.00	ng	# 11
32) Benzoic acid	10.87	122	222	2.68	ng	# 1
35) Caprolactam	12.36	113	19853	34.79	ng	# 1
37) 2-Methylnaphthalene	12.77	142	12245	2.66	ng	# 73
45) 1,1'-Biphenyl	13.92	154	16500	2.88	ng	94
47) 2-Nitroaniline	14.30	65	4314	2.56	ng	# 19
49) Dimethylphthalate	14.78	163	80778	16.71	ng	# 97
55) 4-Nitrophenol	15.87	139	6832	8.71	ng	# 74
56) 2,4-Dinitrotoluene	15.87	165	5718	4.09	ng	# 43
57) Fluorene	16.52	166	23219	5.02	ng	# 92
65) n-Nitrosodiphenylamine	16.96	169	18920	4.24	ng	# 41
70) Phenanthrene	18.77	178	66157	9.70	ng	96
71) Anthracene	18.77	178	66157	9.44	ng	96
79) Butylbenzylphthalate	22.77	149	7497	2.31	ng	# 81

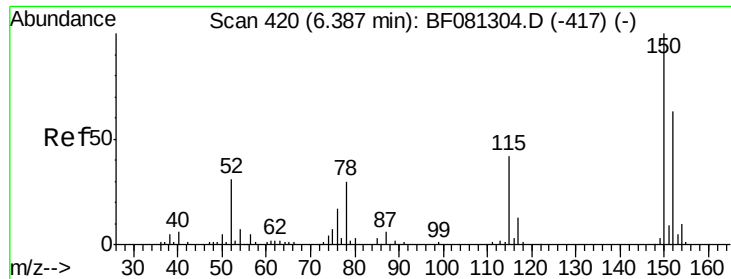
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 619

Delta R.T. -0.06 min

Lab File: BF081730.D

Acq: 22 Sep 2015 2:38

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-1

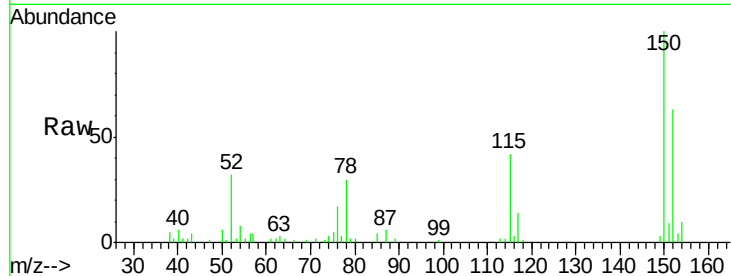
Tot Ion:152 Resp: 34252

Ion Ratio Lower Upper

152 100

150 159.4 124.7 187.1

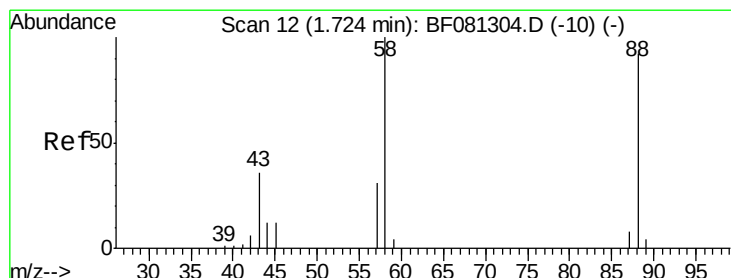
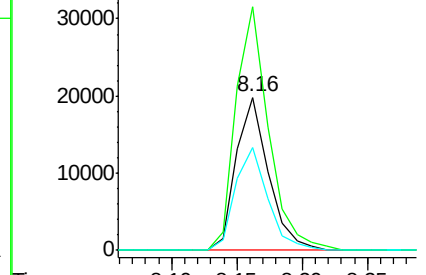
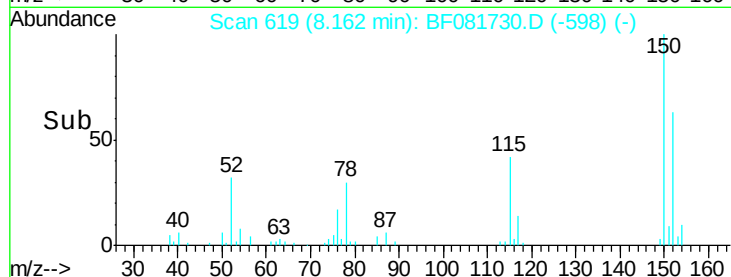
115 67.2 39.0 58.4#



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: 88.00 ng

RT: 1.52 min Scan# 38

Delta R.T. -0.04 min

Lab File: BF081730.D

Acq: 22 Sep 2015 2:38

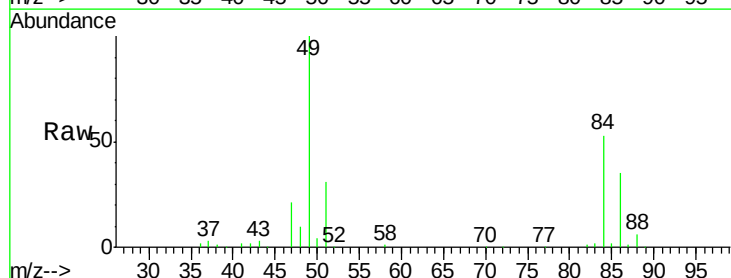
Tgt Ion: 88 Resp: 87255

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

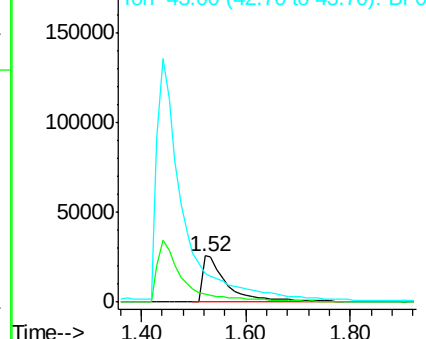
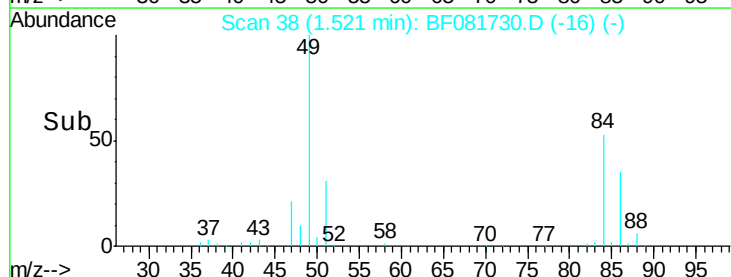
43 0.0 26.6 40.0#

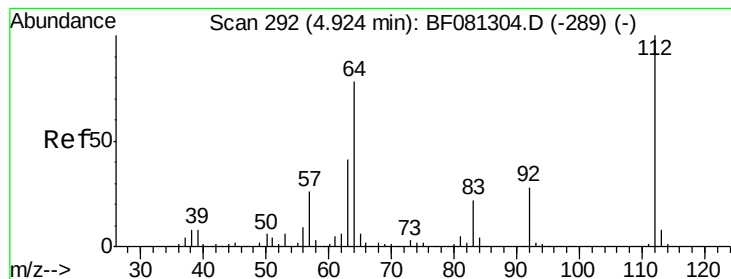


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 113.02 ng

RT: 5.32 min Scan# 370

Delta R.T. -0.03 min

Lab File: BF081730.D

Acq: 22 Sep 2015 2:38

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-1

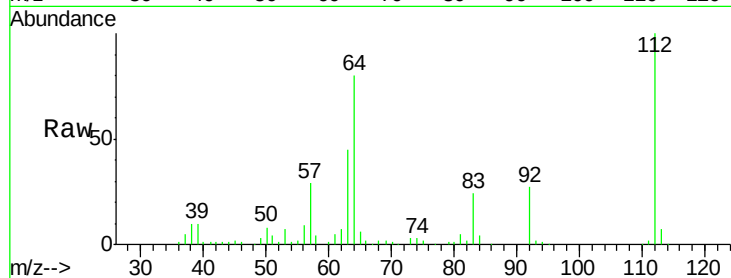
Tot Ion: 112 Resp: 249499

Ion Ratio Lower Upper

112 100

64 80.5 39.7 59.5#

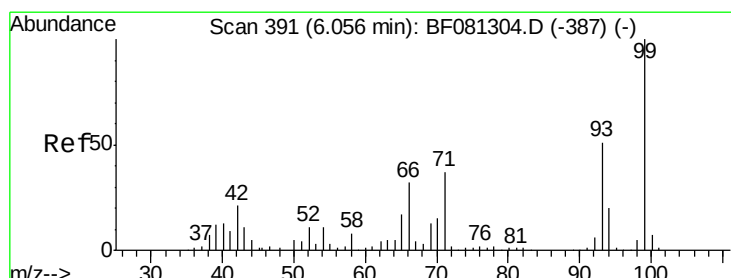
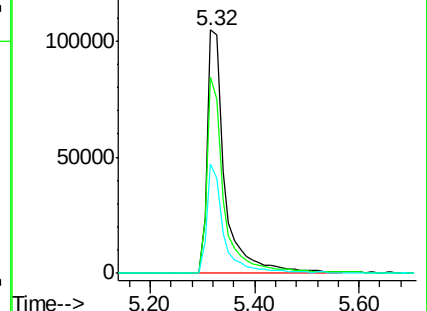
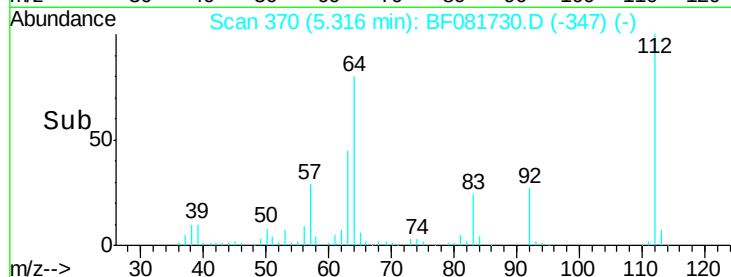
63 45.0 17.4 26.0#



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: 120.43 ng

RT: 7.60 min Scan# 570

Delta R.T. -0.04 min

Lab File: BF081730.D

Acq: 22 Sep 2015 2:38

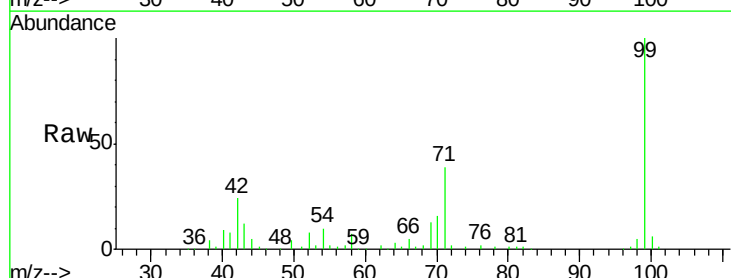
Tgt Ion: 99 Resp: 351924

Ion Ratio Lower Upper

99 100

42 24.2 13.7 20.5#

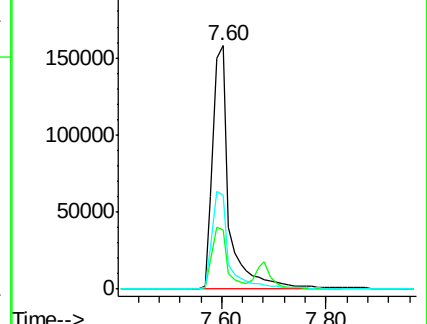
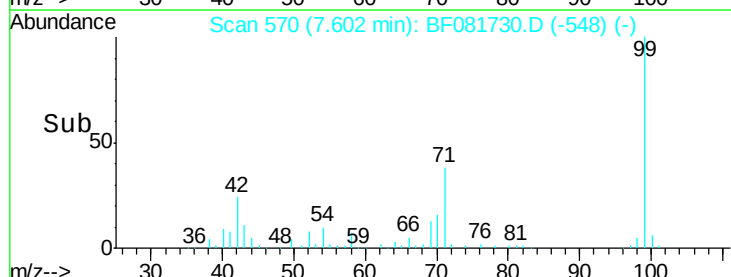
71 38.7 14.2 21.2#

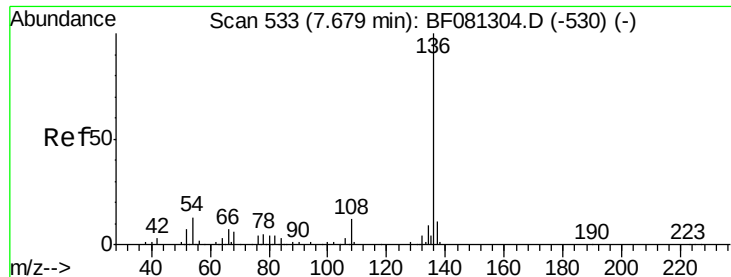


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.06 min Scan# 873

Delta R.T. -0.06 min

Lab File: BF081730.D

Acq: 22 Sep 2015 2:38

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-1

Tot Ion:136 Resp: 132427

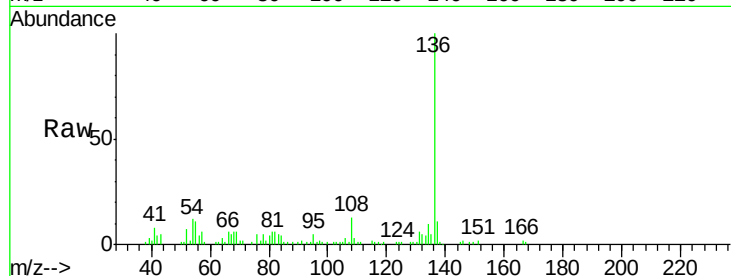
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 12.4 8.2 12.2#

68 6.3 5.8 8.6

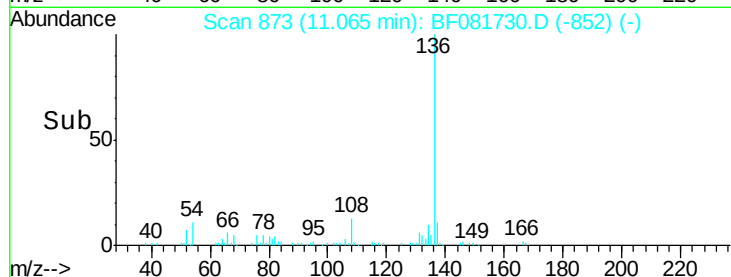


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

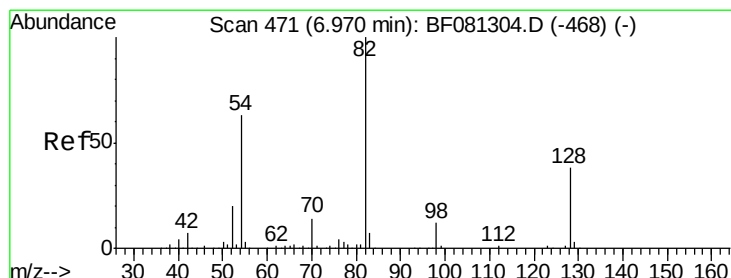
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

11.06



#23

Nitrobenzene-d5

Concen: 85.48 ng

RT: 9.46 min Scan# 733

Delta R.T. -0.07 min

Lab File: BF081730.D

Acq: 22 Sep 2015 2:38

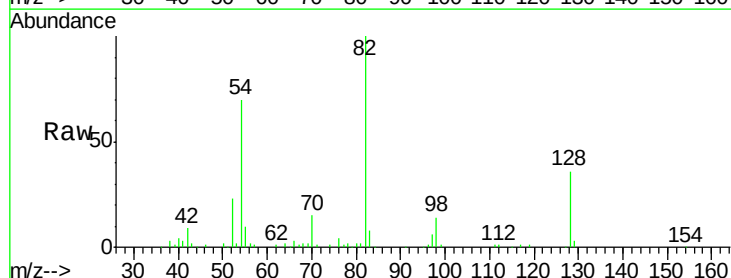
Tgt Ion: 82 Resp: 234624

Ion Ratio Lower Upper

82 100

128 36.3 51.0 76.6#

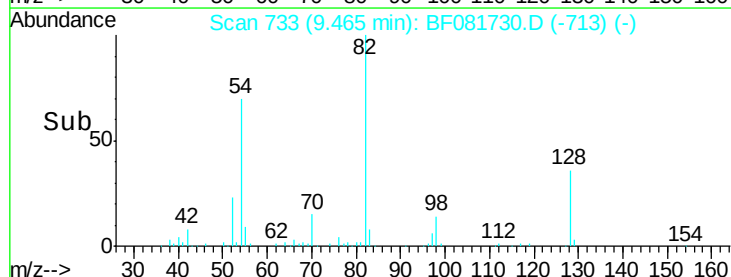
54 69.7 47.5 71.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

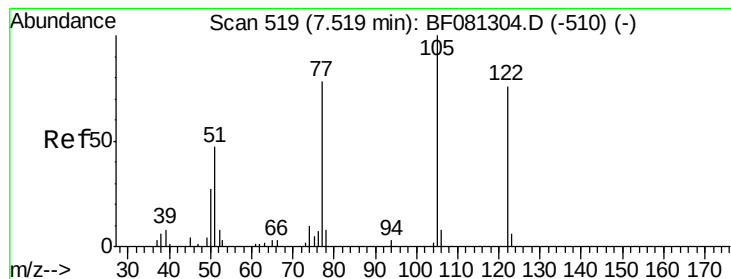
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

9.46



#32

Benzoic acid

Concen: 2.68 ng

RT: 10.87 min Scan# 856

Delta R.T. -0.22 min

Lab File: BF081730.D

Acq: 22 Sep 2015 2:38

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-1

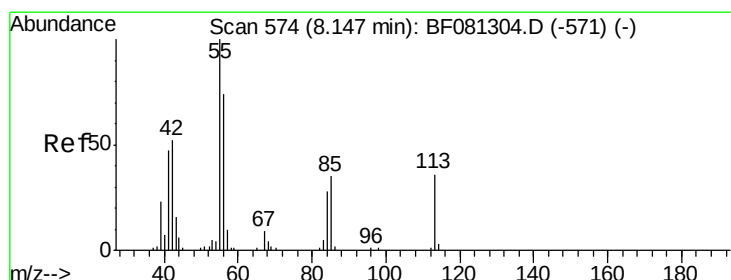
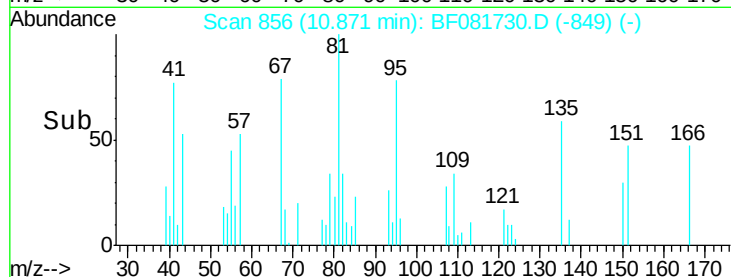
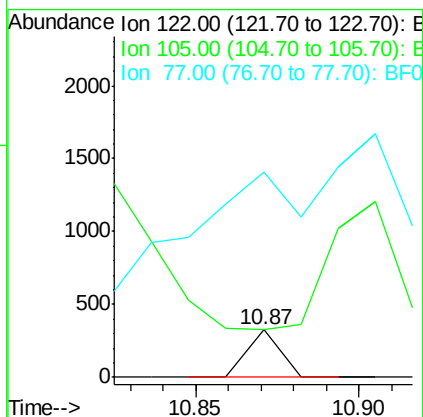
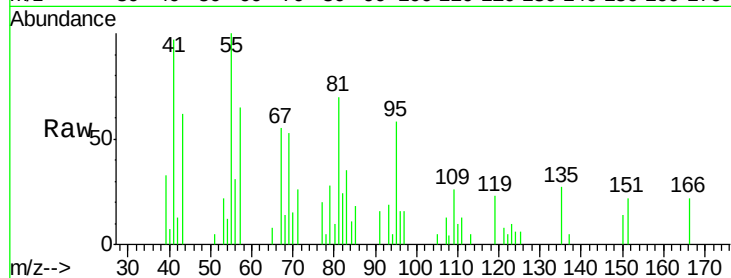
Tot Ion:122 Resp: 222

Ion Ratio Lower Upper

122 100

105 102.5 76.1 116.1

77 434.9 40.5 80.5#



#35

Caprolactam

Concen: 34.79 ng

RT: 12.36 min Scan# 986

Delta R.T. -0.03 min

Lab File: BF081730.D

Acq: 22 Sep 2015 2:38

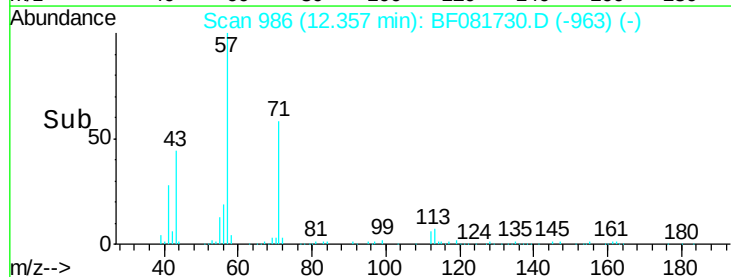
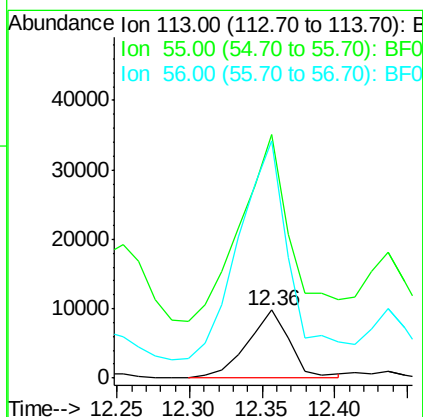
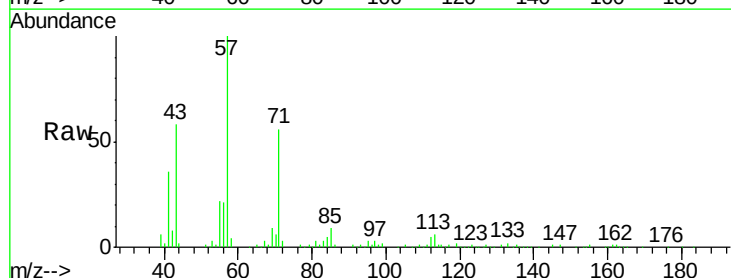
Tgt Ion:113 Resp: 19853

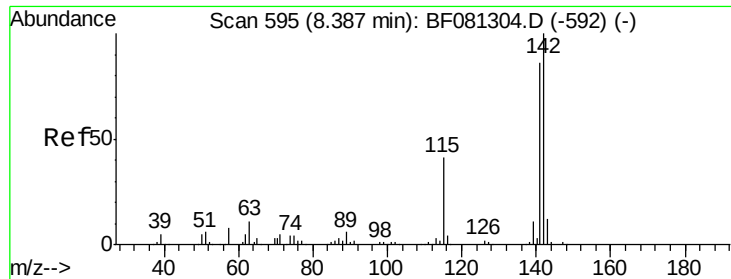
Ion Ratio Lower Upper

113 100

55 359.9 152.4 192.4#

56 350.2 104.6 144.6#

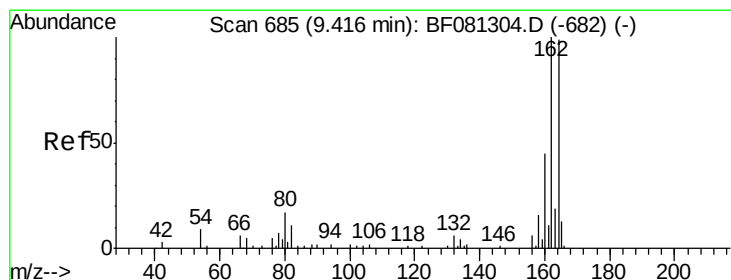
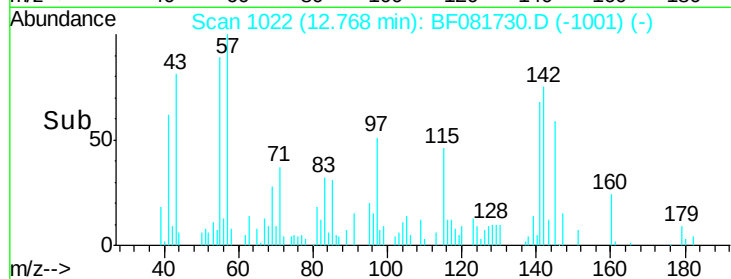
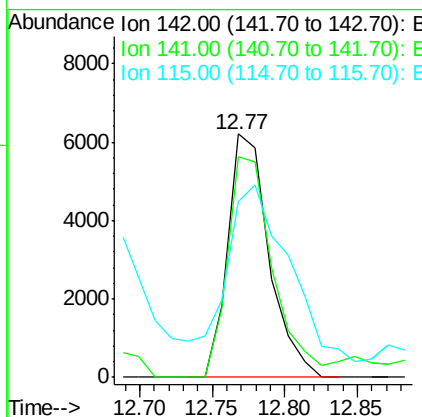
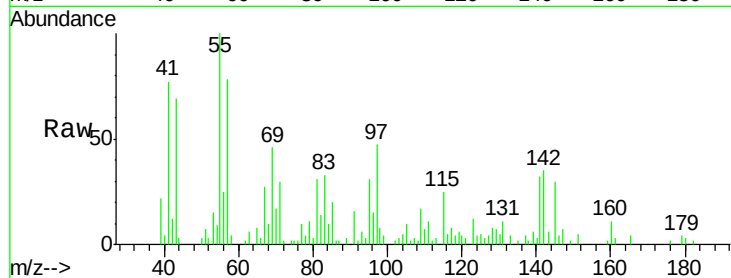




#37
2-Methylnaphthalene
Concen: 2.66 ng
RT: 12.77 min Scan# 1022
Delta R.T. -0.06 min
Lab File: BF081730.D
Acq: 22 Sep 2015 2:38

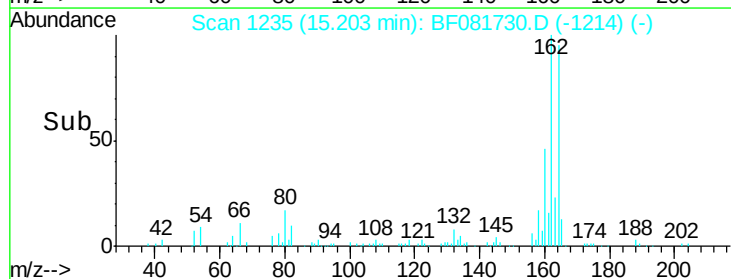
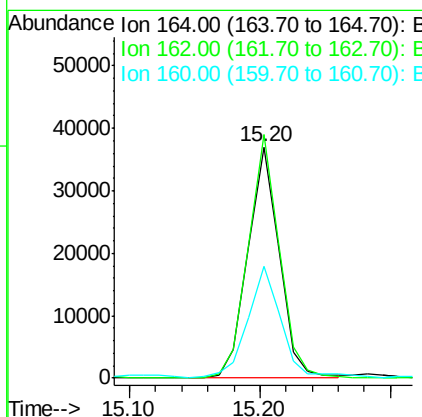
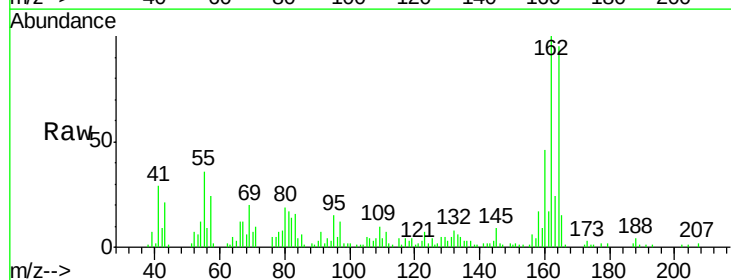
Instrument :
BNA_F
ClientSampleId :
TRENCH-1-1

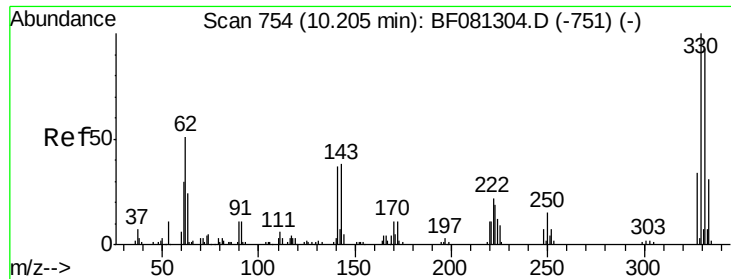
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.8	67.5	101.3
115	72.0	18.2	27.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.20 min Scan# 1235
Delta R.T. -0.06 min
Lab File: BF081730.D
Acq: 22 Sep 2015 2:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	75.2	112.8
160	48.2	31.5	47.3

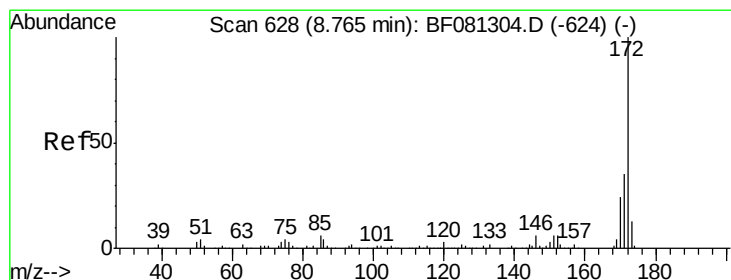
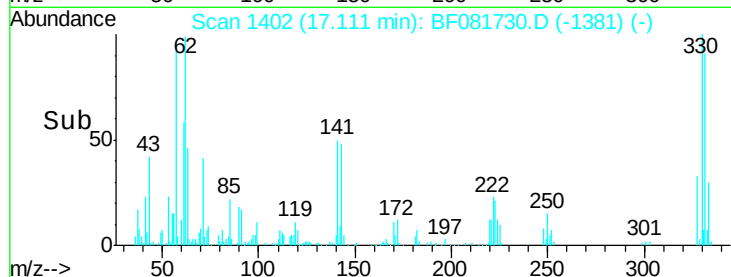
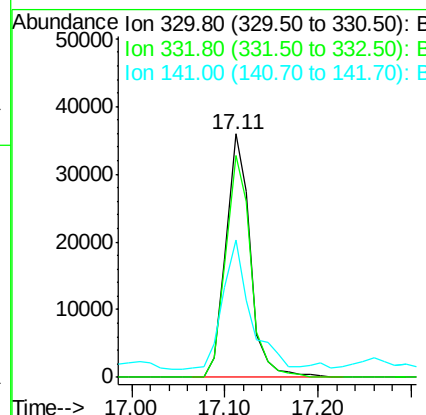
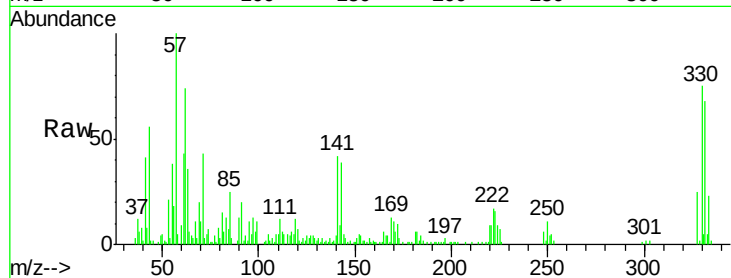




#41
 2,4,6-Tribromophenol
 Concen: 118.28 ng
 RT: 17.11 min Scan# 1402
 Delta R.T. -0.06 min
 Lab File: BF081730.D
 Acq: 22 Sep 2015 2:38

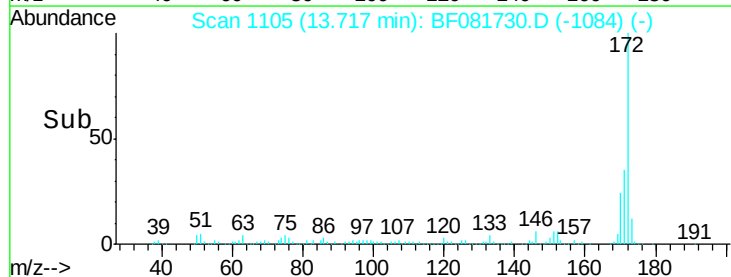
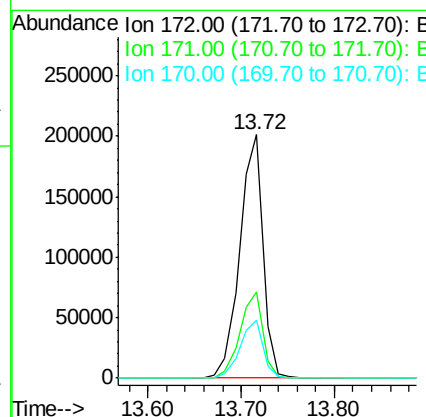
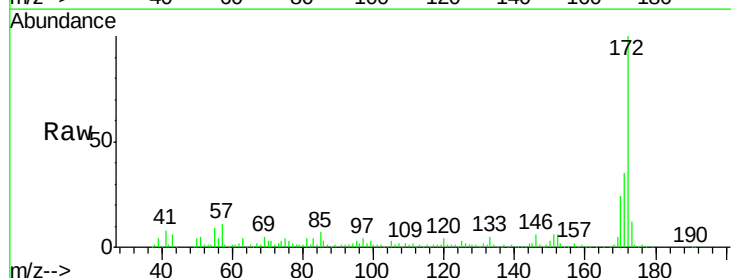
Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-1

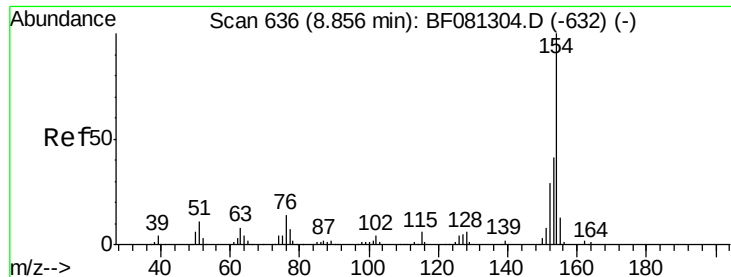
Tot Ion:330 Resp: 65529
 Ion Ratio Lower Upper
 330 100
 332 93.5 76.6 114.8
 141 59.9 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 71.89 ng
 RT: 13.72 min Scan# 1105
 Delta R.T. -0.06 min
 Lab File: BF081730.D
 Acq: 22 Sep 2015 2:38

Tgt Ion:172 Resp: 349064
 Ion Ratio Lower Upper
 172 100
 171 35.3 26.1 39.1
 170 24.0 17.4 26.2





#45

1,1'-Biphenyl

Concen: 2.88 ng

RT: 13.92 min Scan# 1123

Delta R.T. -0.04 min

Lab File: BF081730.D

Acq: 22 Sep 2015 2:38

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-1

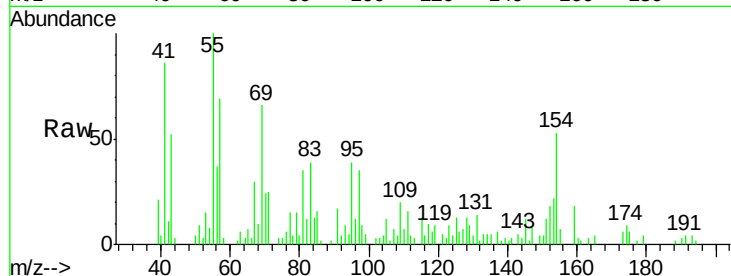
Tot Ion:154 Resp: 16500

Ion Ratio Lower Upper

154 100

153 41.4 17.1 57.1

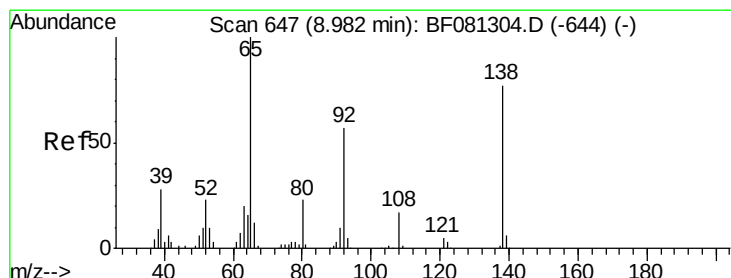
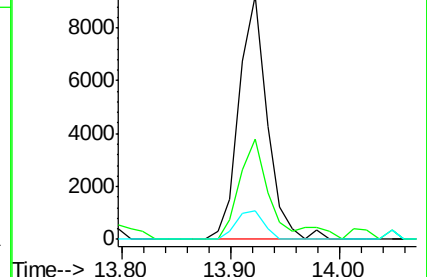
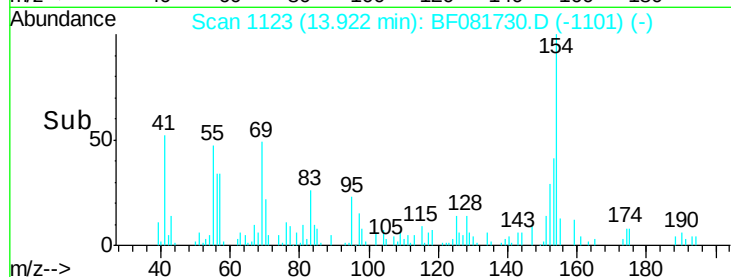
76 11.5 0.0 31.6



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: 2.56 ng

RT: 14.30 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF081730.D

Acq: 22 Sep 2015 2:38

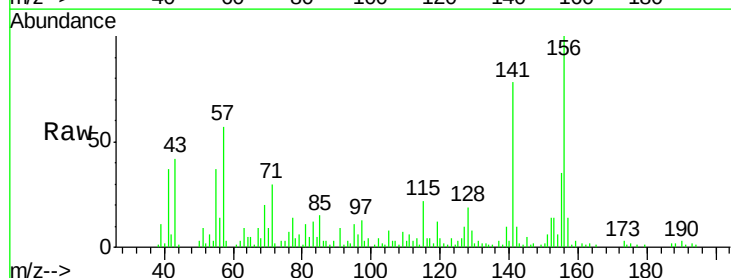
Tgt Ion: 65 Resp: 4314

Ion Ratio Lower Upper

65 100

92 28.5 55.4 83.0#

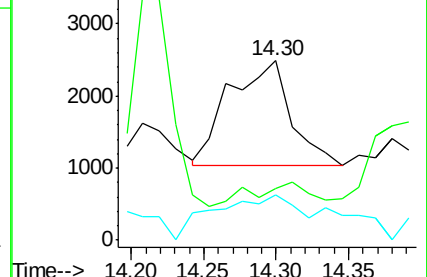
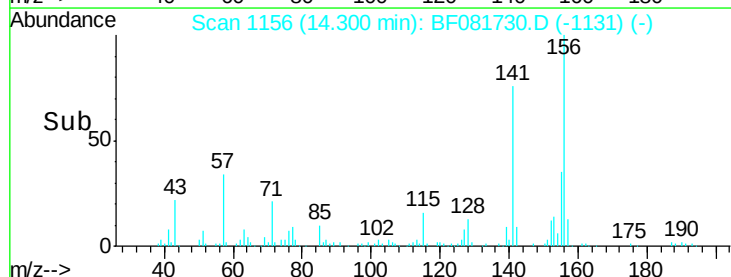
138 25.0 115.5 173.3#

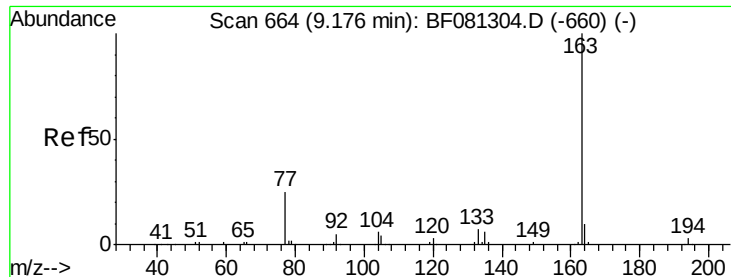


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 16.71 ng

RT: 14.78 min Scan# 1198

Delta R.T. -0.08 min

Lab File: BF081730.D

Acq: 22 Sep 2015 2:38

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-1

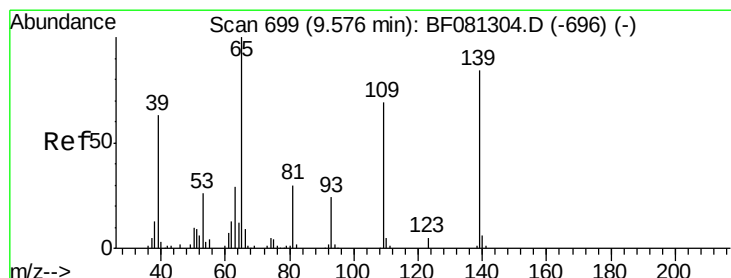
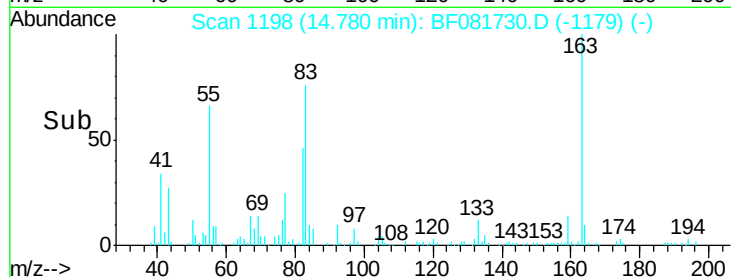
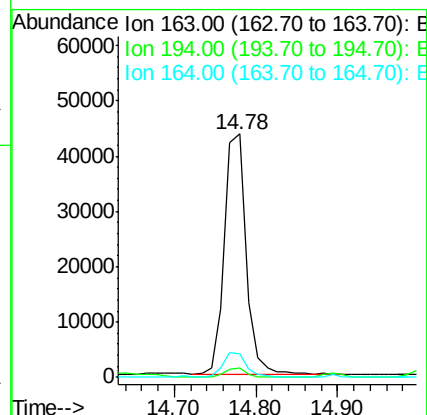
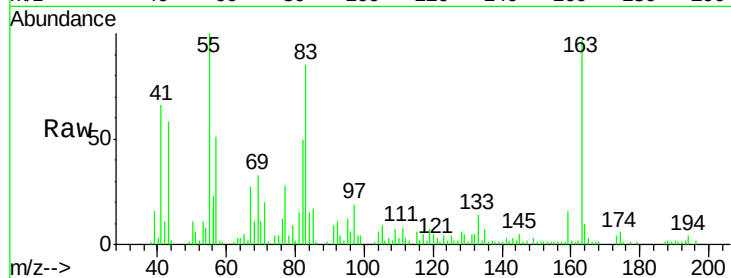
Tot Ion:163 Resp: 80778

Ion Ratio Lower Upper

163 100

194 3.8 4.4 6.6#

164 9.9 8.3 12.5



#55

4-Nitrophenol

Concen: 8.71 ng

RT: 15.87 min Scan# 1293

Delta R.T. -0.06 min

Lab File: BF081730.D

Acq: 22 Sep 2015 2:38

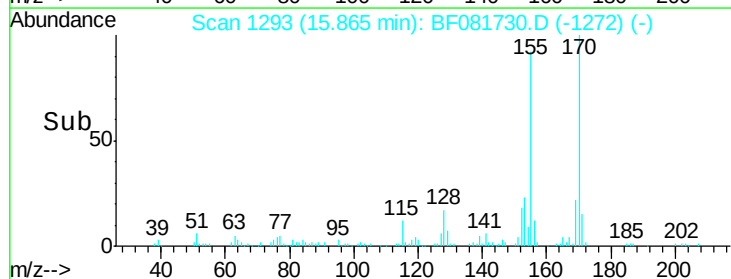
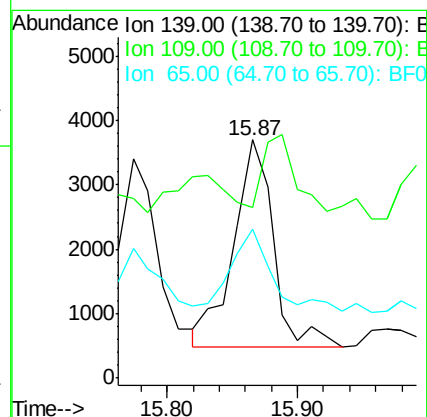
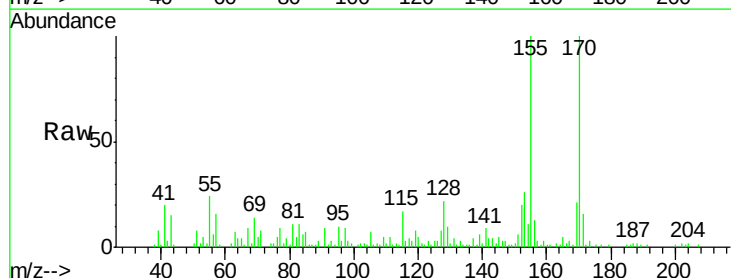
Tgt Ion:139 Resp: 6832

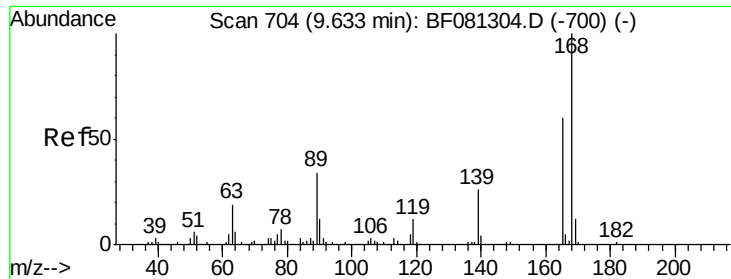
Ion Ratio Lower Upper

139 100

109 71.8 12.7 52.7#

65 62.4 45.9 85.9

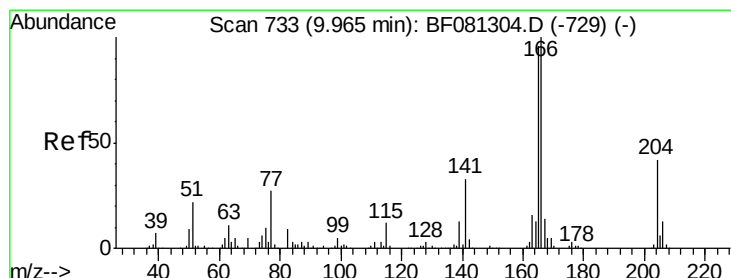
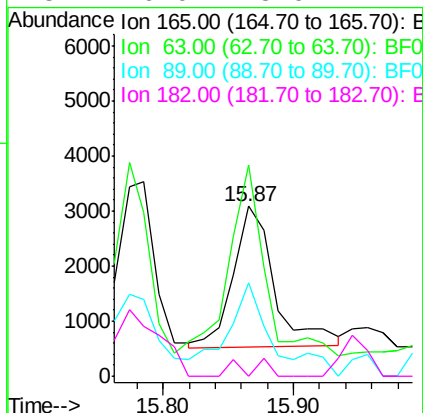
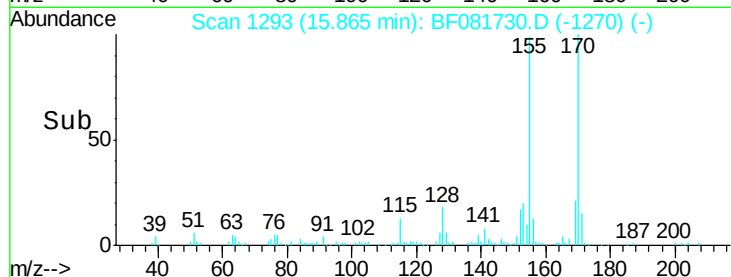
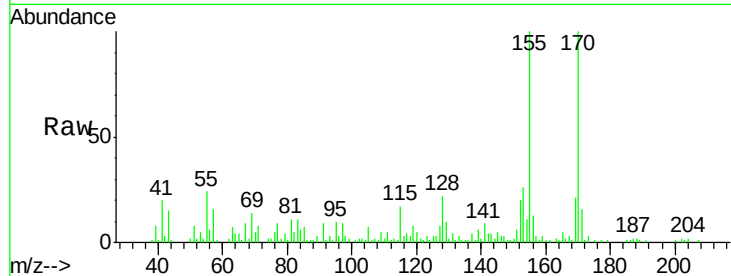




#56
 2,4-Dinitrotoluene
 Concen: 4.09 ng
 RT: 15.87 min Scan# 1293
 Delta R.T. -0.03 min
 Lab File: BF081730.D
 Acq: 22 Sep 2015 2:38

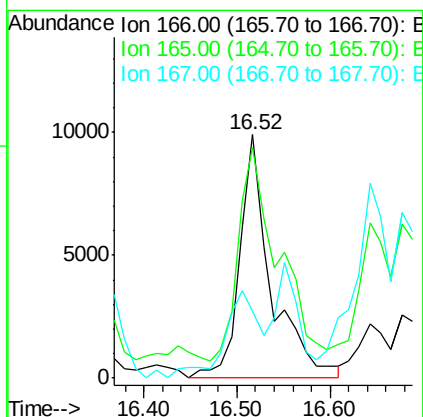
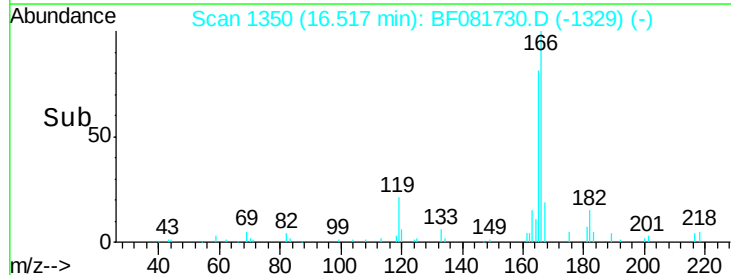
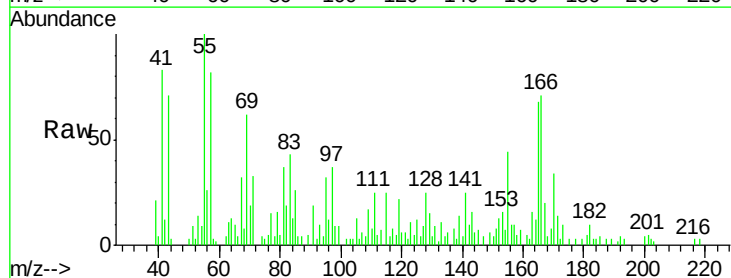
Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-1

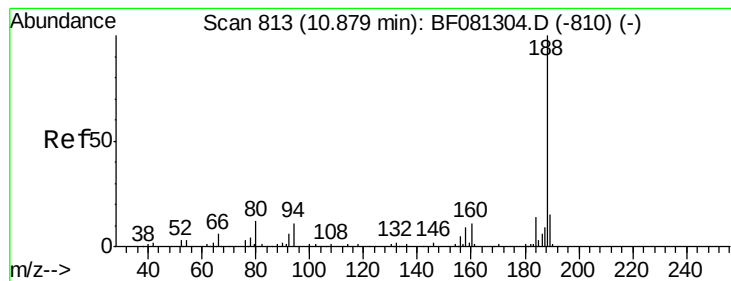
Tot Ion:	165	Resp:	5718
Ion	Ratio	Lower	Upper
165	100		
63	124.4	29.8	44.6#
89	54.7	44.5	66.7
182	0.0	3.0	4.4#



#57
 Fluorene
 Concen: 5.02 ng
 RT: 16.52 min Scan# 1350
 Delta R.T. -0.06 min
 Lab File: BF081730.D
 Acq: 22 Sep 2015 2:38

Tgt Ion:	166	Resp:	23219
Ion	Ratio	Lower	Upper
166	100		
165	94.9	72.6	109.0
167	27.4	10.6	16.0#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.71 min Scan# 1542

Delta R.T. -0.04 min

Lab File: BF081730.D

Acq: 22 Sep 2015 2:38

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-1

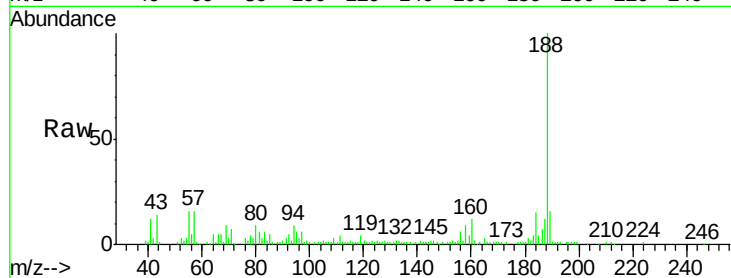
Tot Ion:188 Resp: 122655

Ion Ratio Lower Upper

188 100

94 8.5 11.1 16.7#

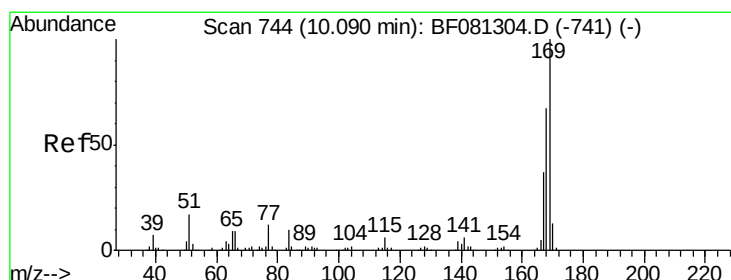
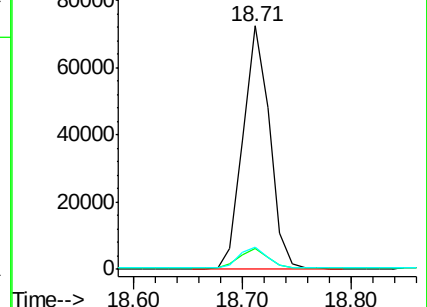
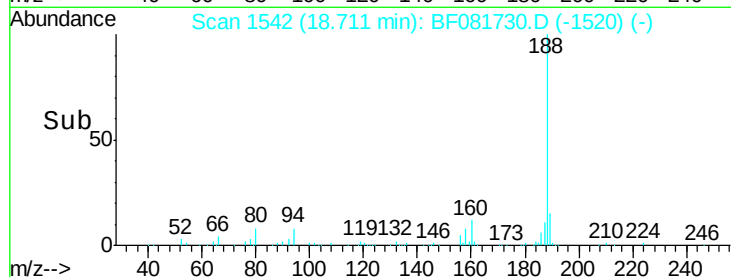
80 9.1 11.0 16.4#



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: 4.24 ng

RT: 16.96 min Scan# 1389

Delta R.T. -0.02 min

Lab File: BF081730.D

Acq: 22 Sep 2015 2:38

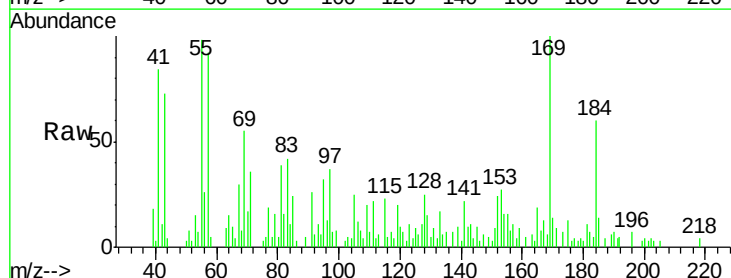
Tgt Ion:169 Resp: 18920

Ion Ratio Lower Upper

169 100

168 6.2 48.9 73.3#

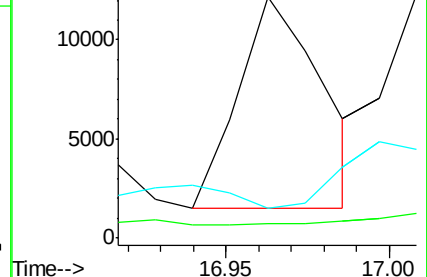
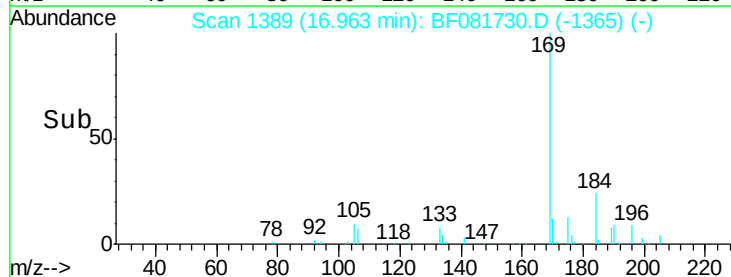
167 12.6 26.2 39.4#

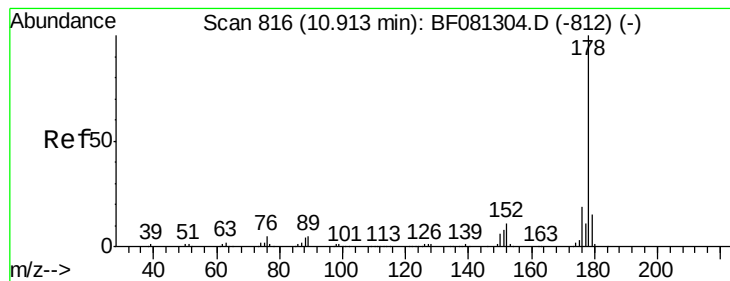


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 9.70 ng

RT: 18.77 min Scan# 1547

Delta R.T. -0.06 min

Lab File: BF081730.D

Acq: 22 Sep 2015 2:38

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-1

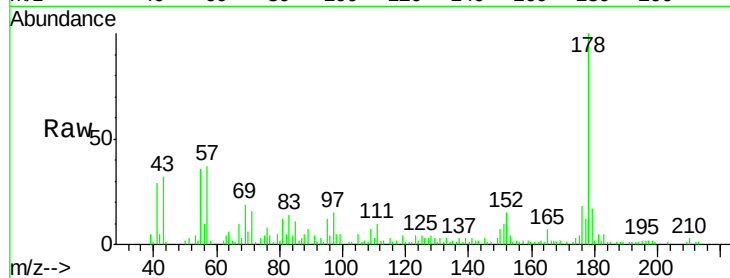
Tot Ion:178 Resp: 66157

Ion	Ratio	Lower	Upper
178	100		
176	18.5	13.8	20.8
179	17.5	12.2	18.2

178 100

176 18.5 13.8 20.8

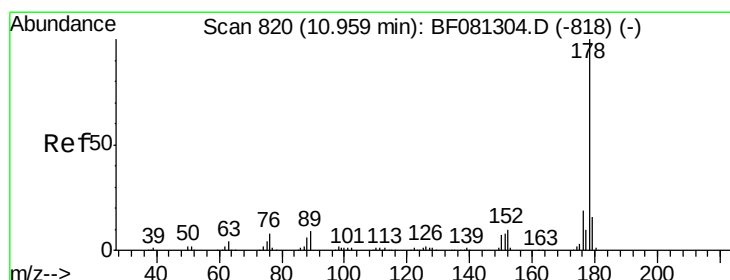
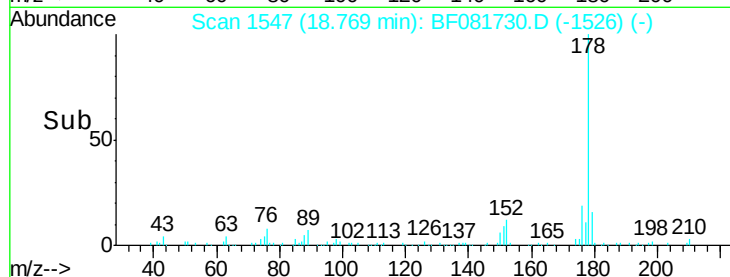
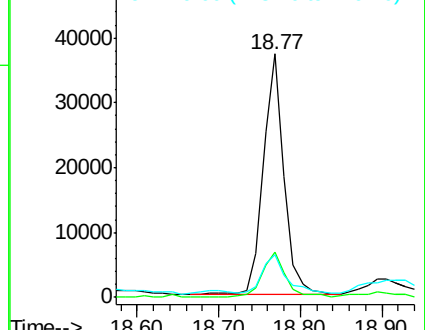
179 17.5 12.2 18.2



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: 9.44 ng

RT: 18.77 min Scan# 1547

Delta R.T. -0.18 min

Lab File: BF081730.D

Acq: 22 Sep 2015 2:38

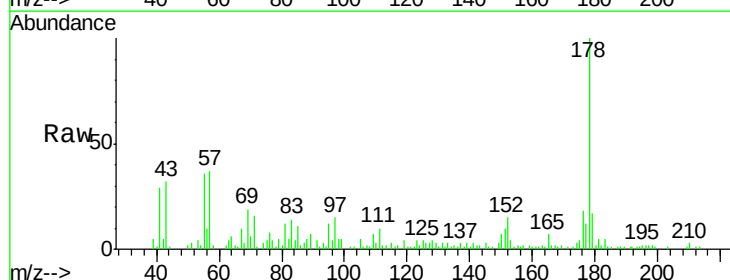
Tgt Ion:178 Resp: 66157

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.1	21.1
179	17.5	12.2	18.2

178 100

176 18.5 14.1 21.1

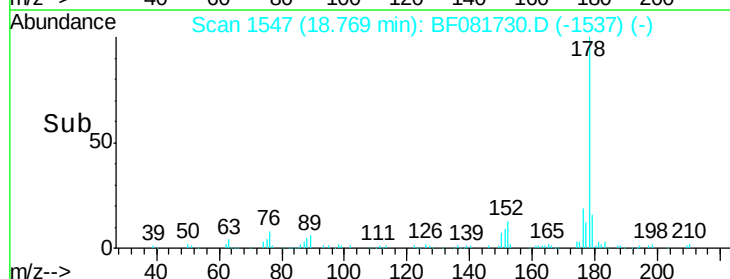
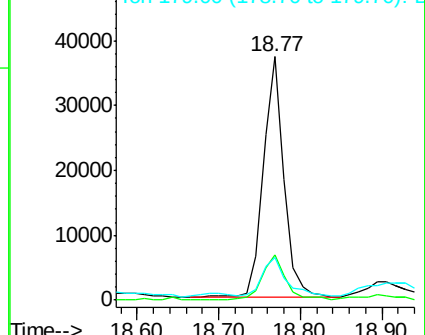
179 17.5 12.2 18.2

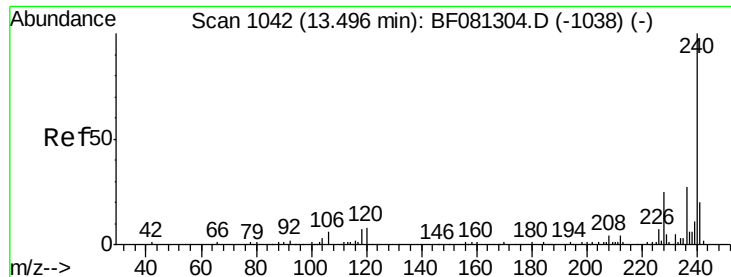


Abundance Ion 178.00 (177.70 to 178.70): E

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: 23.35 min Scan# 1948

Delta R.T. -0.03 min

Lab File: BF081730.D

Acq: 22 Sep 2015 2:38

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-1

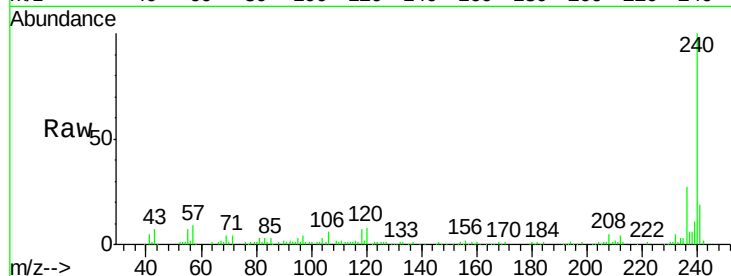
Tot Ion:240 Resp: 100948

Ion Ratio Lower Upper

240 100

120 7.8 16.2 24.2#

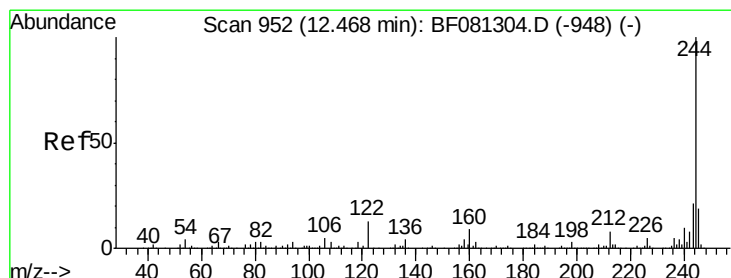
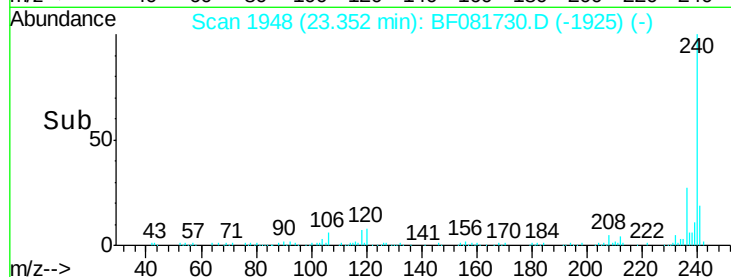
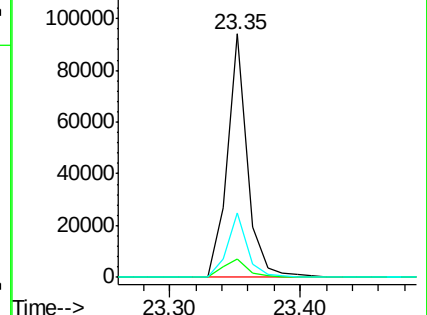
236 26.7 18.4 27.6



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: 71.38 ng

RT: 22.07 min Scan# 1836

Delta R.T. -0.04 min

Lab File: BF081730.D

Acq: 22 Sep 2015 2:38

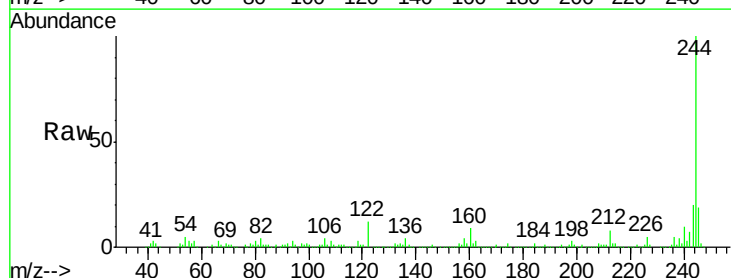
Tgt Ion:244 Resp: 309548

Ion Ratio Lower Upper

244 100

212 8.1 4.3 6.5#

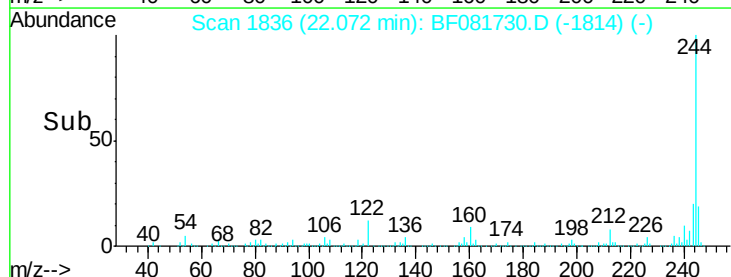
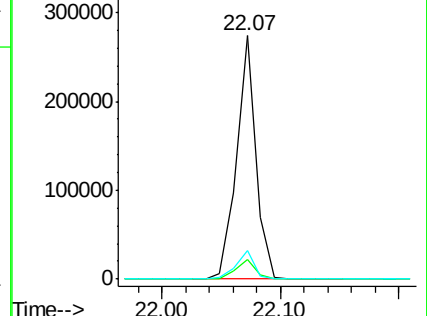
122 11.6 17.4 26.2#

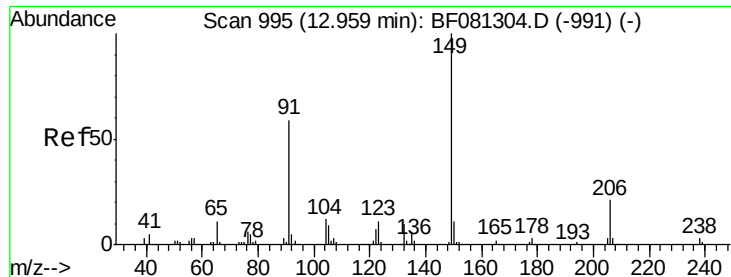


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

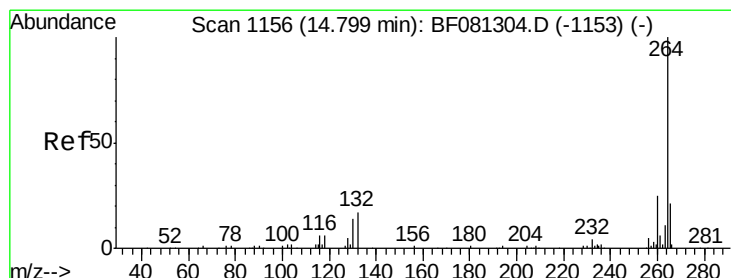
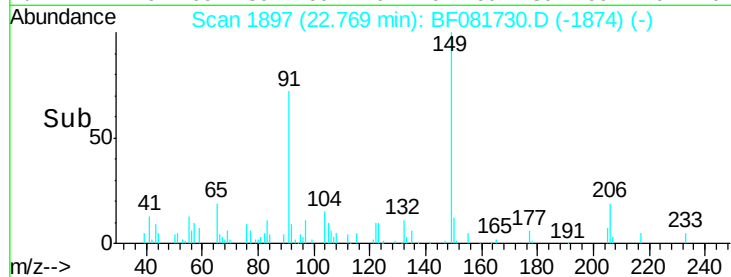
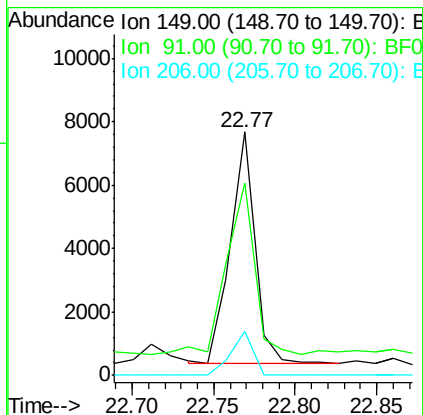
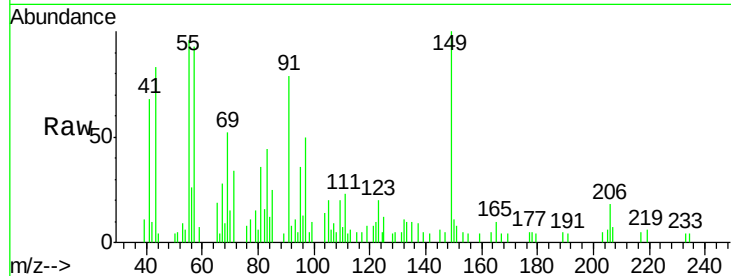




#79
Butylbenzylphthalate
Concen: 2.31 ng
RT: 22.77 min Scan# 1897
Delta R.T. -0.03 min
Lab File: BF081730.D
Acq: 22 Sep 2015 2:38

Instrument :
BNA_F
ClientSampleId :
TRENCH-1-1

Tot Ion:149 Resp: 7497
Ion Ratio Lower Upper
149 100
91 78.8 48.6 72.8#
206 17.8 14.9 22.3



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.79 min Scan# 2074
Delta R.T. -0.02 min
Lab File: BF081730.D
Acq: 22 Sep 2015 2:38

Tgt Ion:264 Resp: 75475
Ion Ratio Lower Upper
264 100
260 23.9 16.7 25.1
265 20.2 17.2 25.8

