

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092415\
 Data File : BF081779.D
 Acq On : 24 Sep 2015 23:01
 Operator : UM/IZ
 Sample : G3747-02DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-2DL

Quant Time: Sep 25 06:52:29 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 25 06:04:07 2015
 Response via : Initial Calibration

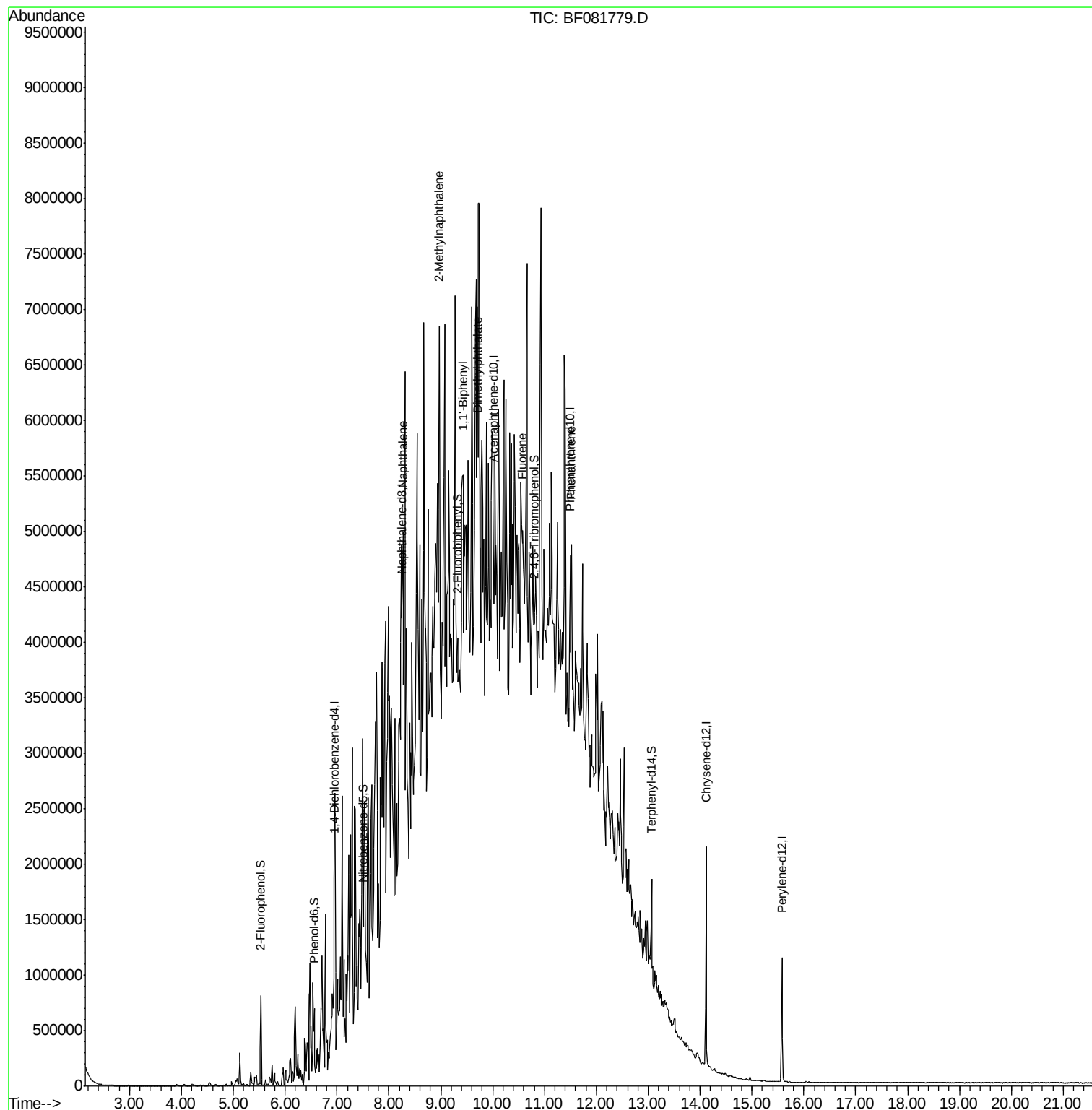
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	195353	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	641644	20.00	ng	0.01
38) Acenaphthene-d10	10.01	164	313509	20.00	ng	0.01
63) Phenanthrene-d10	11.50	188	568022	20.00	ng	0.02
75) Chrysene-d12	14.12	240	675096	20.00	ng	0.00
86) Perylene-d12	15.58	264	526217	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	174407	15.10	ng	-0.01
7) Phenol-d6	6.56	99	234202	16.03	ng	-0.01
23) Nitrobenzene-d5	7.51	82	169279	17.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	26654	9.79	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	219157	11.48	ng	0.01
78) Terphenyl-d14	13.06	244	272337	9.22	ng	0.00
Target Compounds						
31) Naphthalene	8.27	128	880568	29.75	ng	# 92
37) 2-Methylnaphthalene	8.97	142	1863739	88.35	ng	# 86
45) 1,1'-Biphenyl	9.43	154	513580	20.95	ng	94
49) Dimethylphthalate	9.71	163	69437	2.91	ng	# 73
57) Fluorene	10.56	166	247861	11.45	ng	# 82
70) Phenanthrene	11.52	178	712392	21.94	ng	# 92

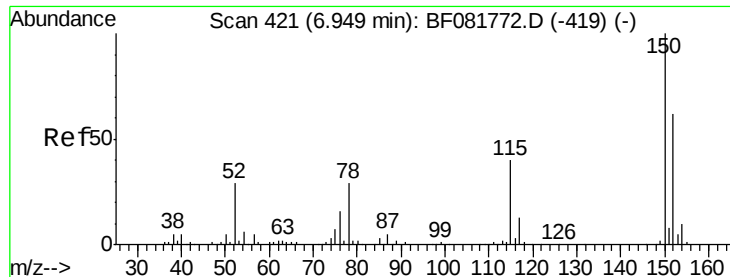
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2DL

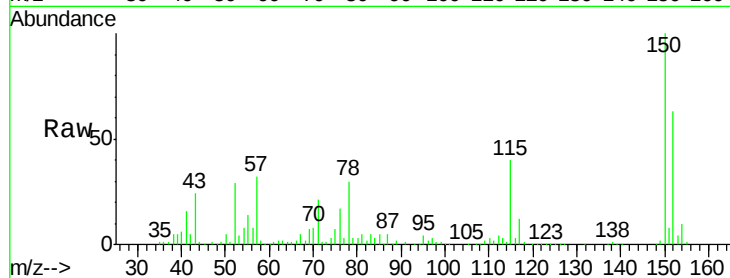
Tgt Ion:152 Resp: 195353

Ion Ratio Lower Upper

152 100

150 159.0 124.7 187.1

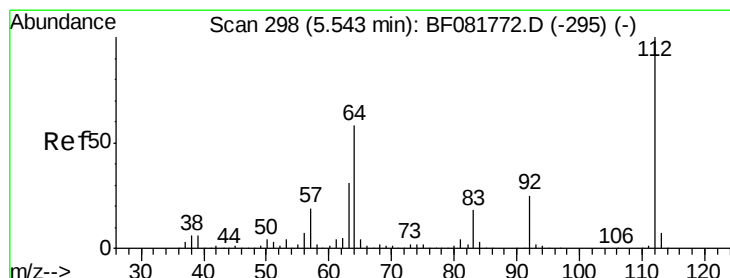
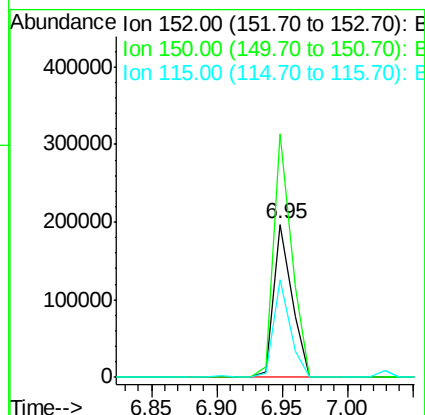
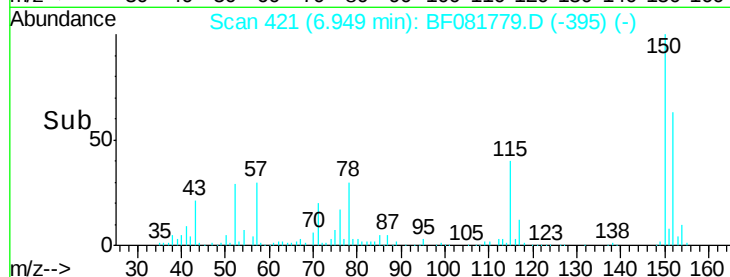
115 64.1 39.0 58.4#



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



#5

2-Fluorophenol

Concen: 15.10 ng

RT: 5.53 min Scan# 297

Delta R.T. -0.01 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

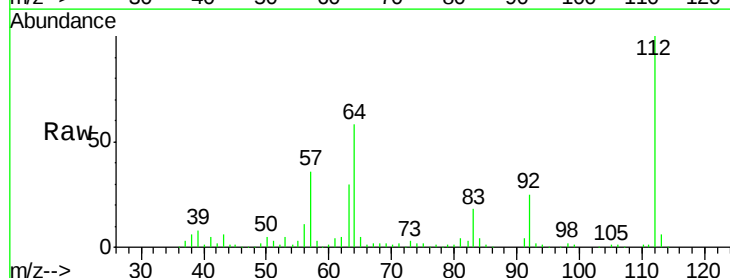
Tgt Ion:112 Resp: 174407

Ion Ratio Lower Upper

112 100

64 58.3 39.7 59.5

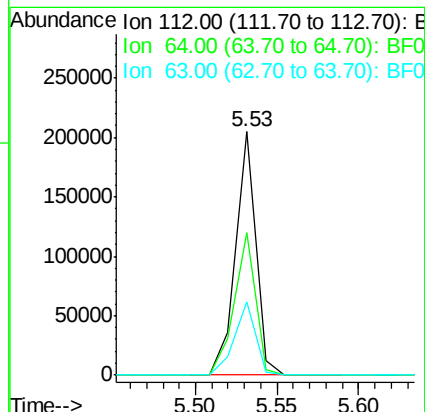
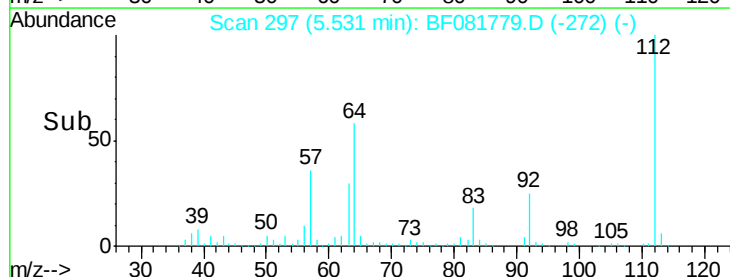
63 30.1 17.4 26.0#

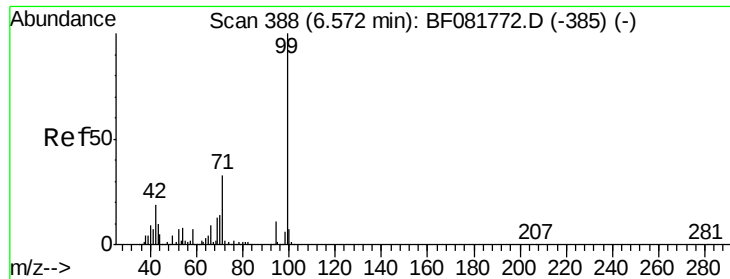


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 16.03 ng

RT: 6.56 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2DL

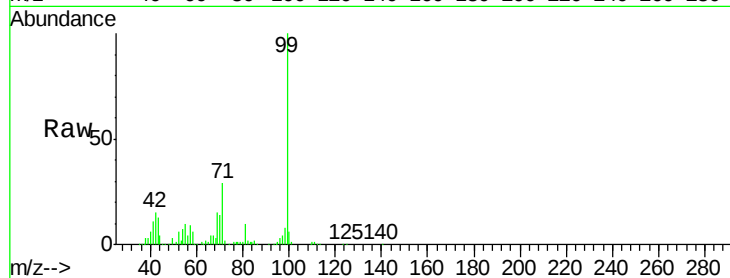
Tgt Ion: 99 Resp: 234202

Ion Ratio Lower Upper

99 100

42 15.4 13.7 20.5

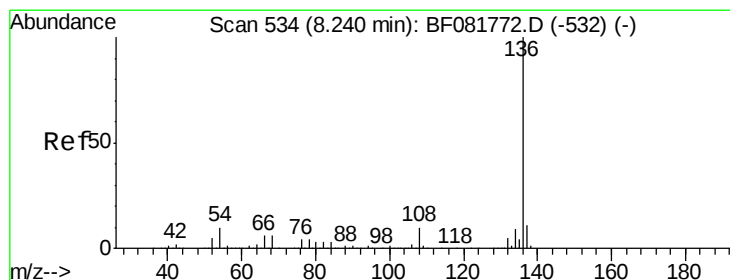
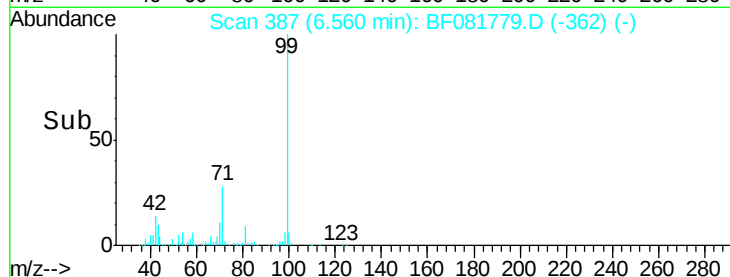
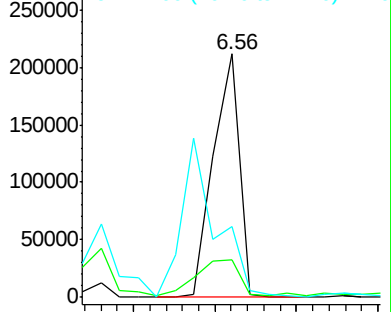
71 29.1 14.2 21.2#



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: 8.25 min Scan# 535

Delta R.T. 0.01 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Tgt Ion: 136 Resp: 641644

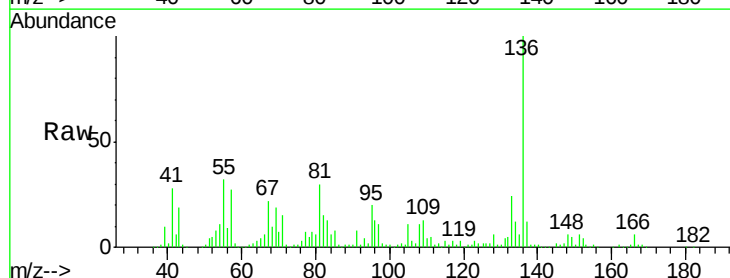
Ion Ratio Lower Upper

136 100

137 12.3 9.0 13.6

54 11.2 8.2 12.2

68 10.2 5.8 8.6#

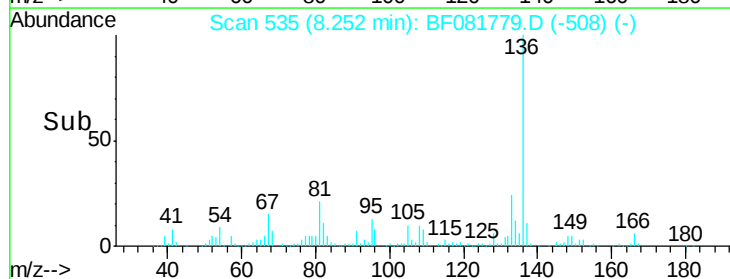
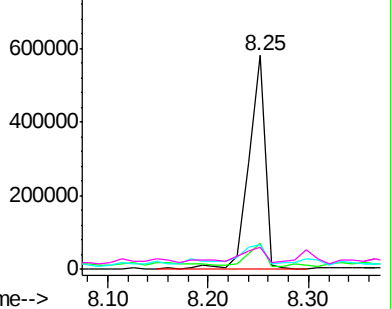


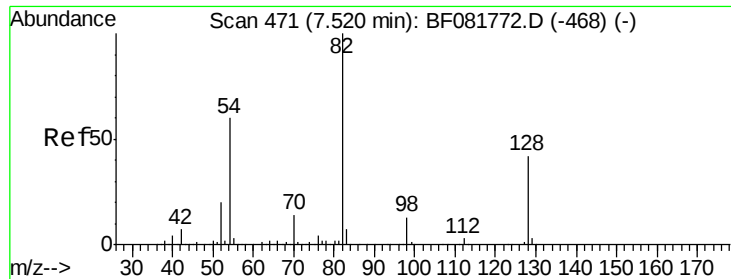
Abundance Ion 136.00 (135.70 to 136.70): E

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

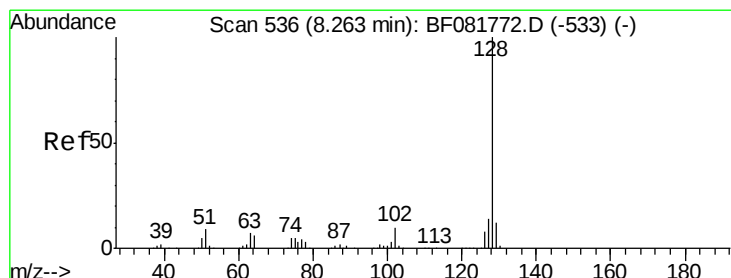
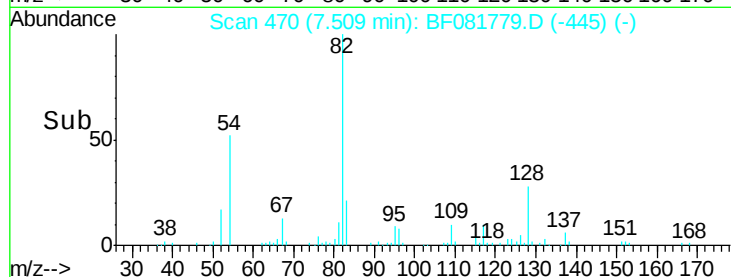
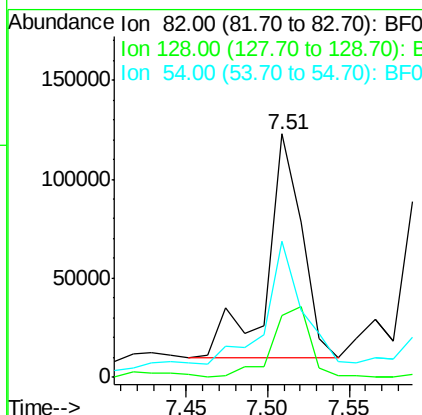
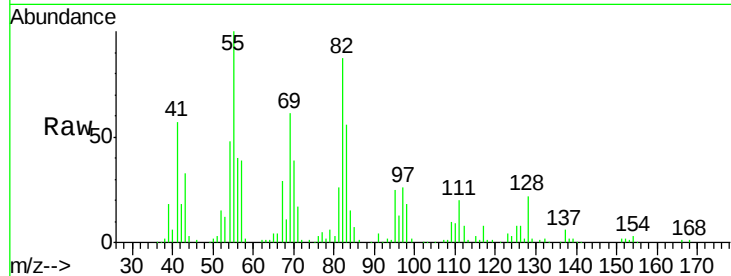




#23
 Nitrobenzene-d5
 Concen: 17.41 ng
 RT: 7.51 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF081779.D
 Acq: 24 Sep 2015 23:01

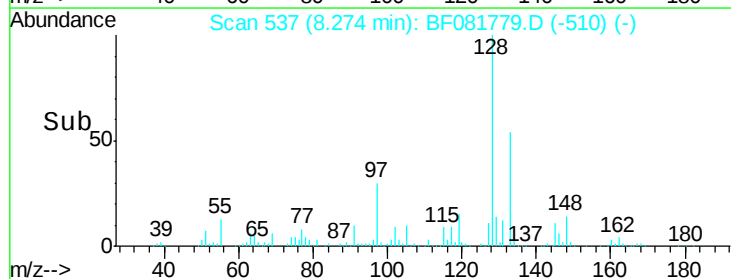
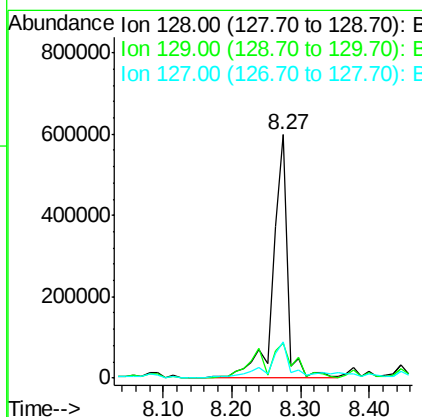
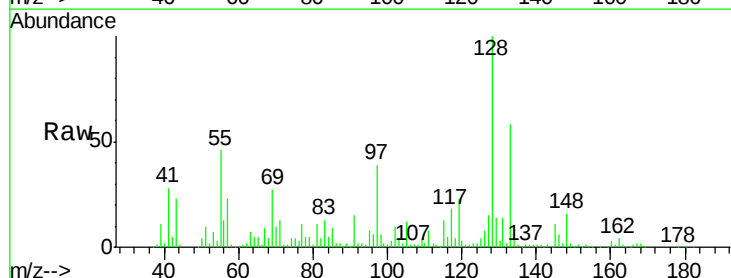
Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-2DL

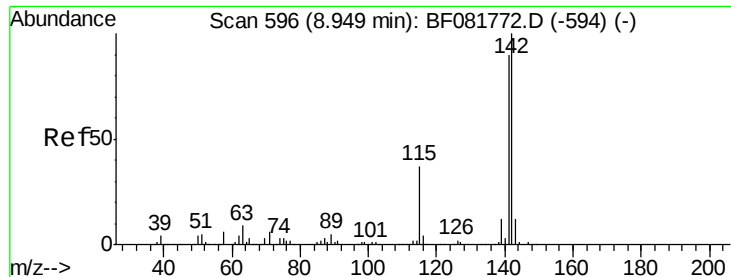
Tgt Ion: 82 Resp: 169279
 Ion Ratio Lower Upper
 82 100
 128 25.2 51.0 76.6#
 54 55.8 47.5 71.3



#31
 Naphthalene
 Concen: 29.75 ng
 RT: 8.27 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: BF081779.D
 Acq: 24 Sep 2015 23:01

Tgt Ion: 128 Resp: 880568
 Ion Ratio Lower Upper
 128 100
 129 14.1 8.4 12.6#
 127 14.9 9.9 14.9#

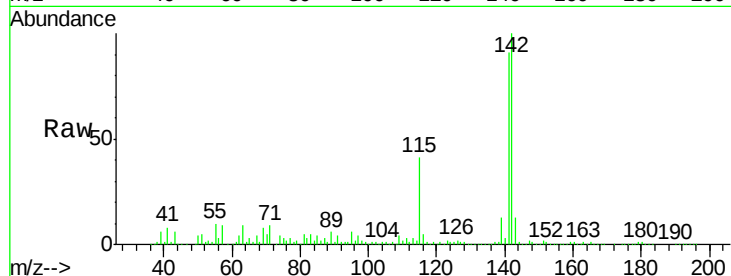




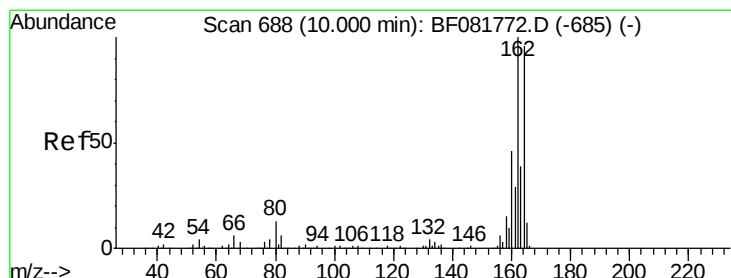
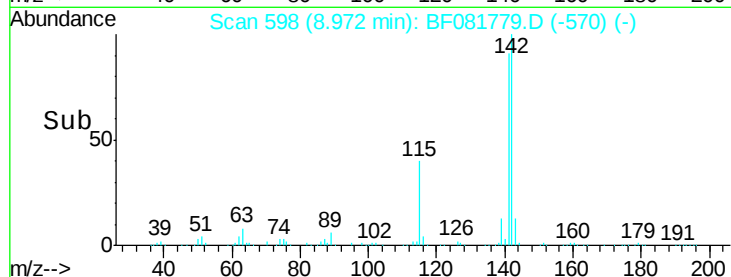
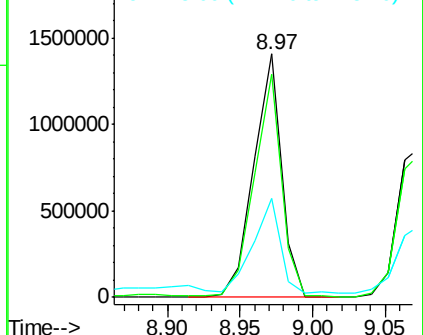
#37
2-Methylnaphthalene
Concen: 88.35 ng
RT: 8.97 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF081779.D
Acq: 24 Sep 2015 23:01

Instrument :
BNA_F
ClientSampleId :
TRENCH-1-2DL

Tgt Ion:142 Resp: 1863739
Ion Ratio Lower Upper
142 100
141 91.4 67.5 101.3
115 40.8 18.2 27.2#

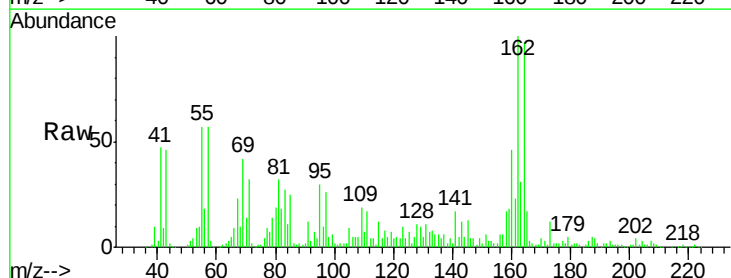


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

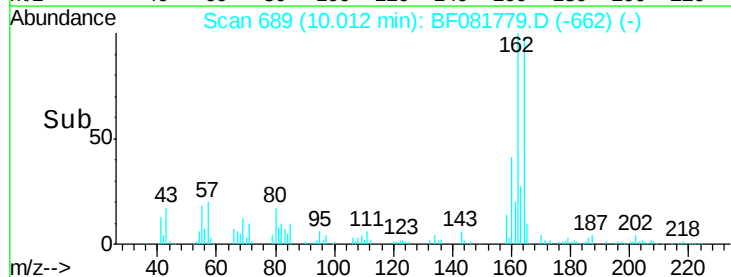
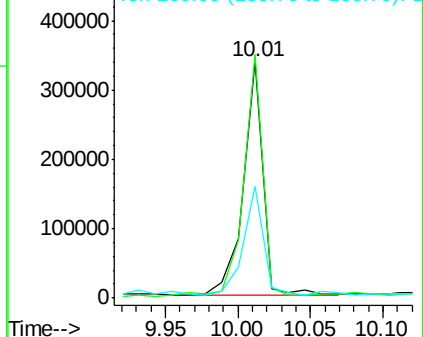


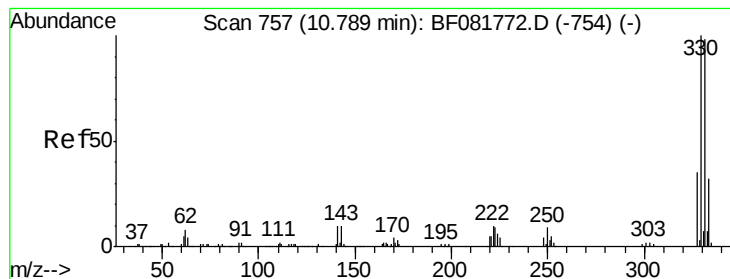
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.01 min Scan# 689
Delta R.T. 0.01 min
Lab File: BF081779.D
Acq: 24 Sep 2015 23:01

Tgt Ion:164 Resp: 313509
Ion Ratio Lower Upper
164 100
162 102.7 75.2 112.8
160 47.3 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

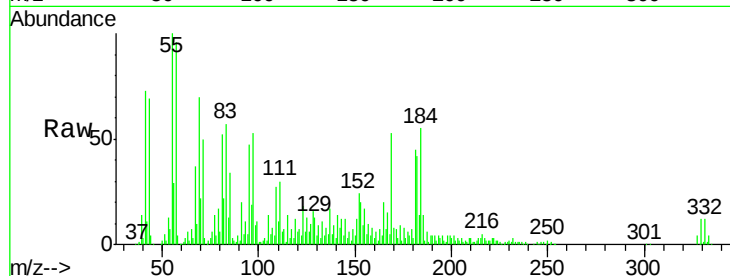




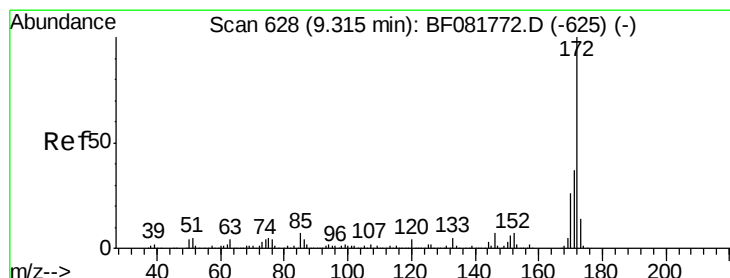
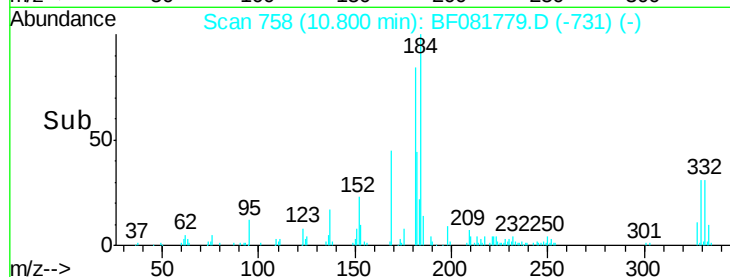
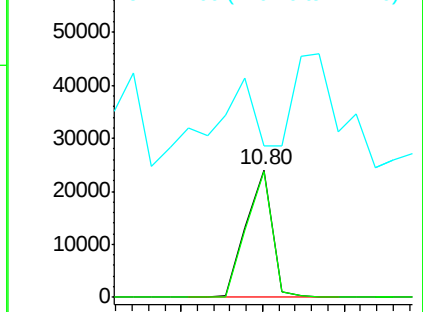
#41
 2,4,6-Tribromophenol
 Concen: 9.79 ng
 RT: 10.80 min Scan# 758
 Delta R.T. 0.01 min
 Lab File: BF081779.D
 Acq: 24 Sep 2015 23:01

Instrument :
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 ClientSampleId :
 TRENCH-1-2DL

Tgt Ion:330 Resp: 26654
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.6 114.8
 141 64.1 29.7 44.5#

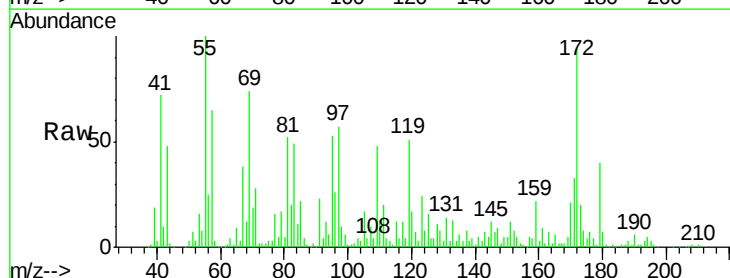


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

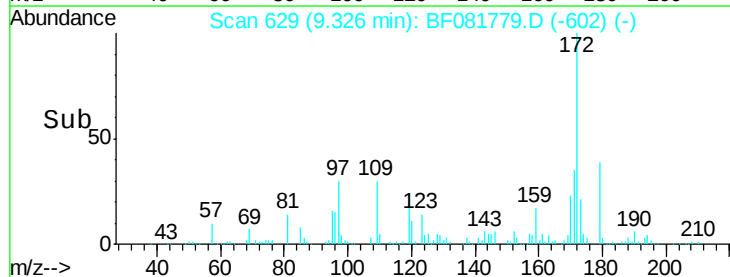
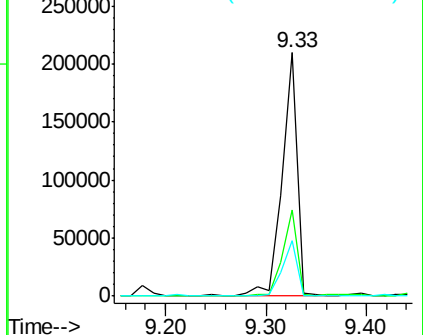


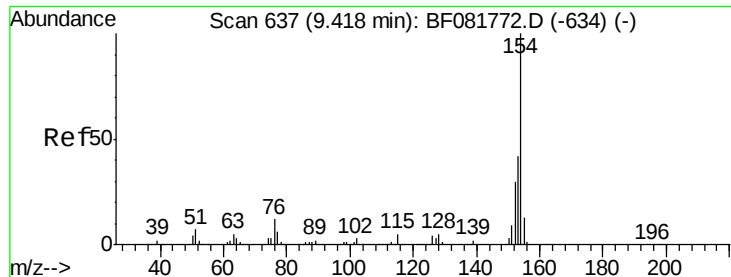
#44
 2-Fluorobiphenyl
 Concen: 11.48 ng
 RT: 9.33 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: BF081779.D
 Acq: 24 Sep 2015 23:01

Tgt Ion:172 Resp: 219157
 Ion Ratio Lower Upper
 172 100
 171 35.3 26.1 39.1
 170 22.9 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





#45

1,1'-Biphenyl

Concen: 20.95 ng

RT: 9.43 min Scan# 638

Delta R.T. 0.01 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2DL

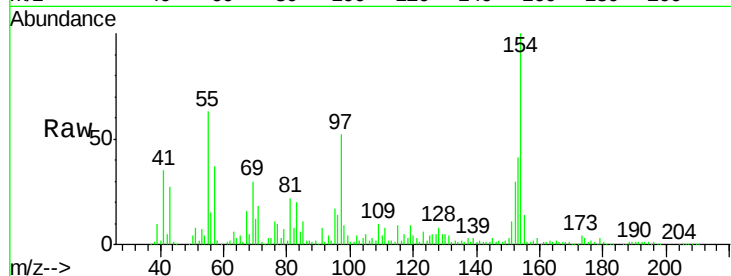
Tgt Ion:154 Resp: 513580

Ion Ratio Lower Upper

154 100

153 41.4 17.1 57.1

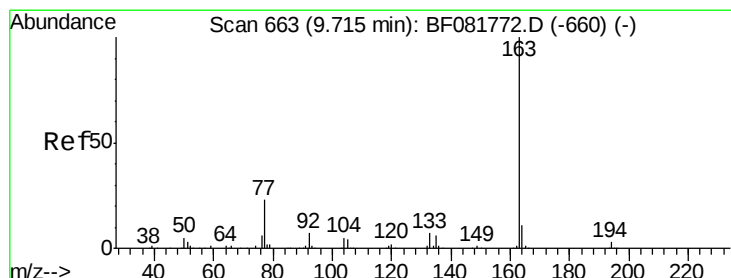
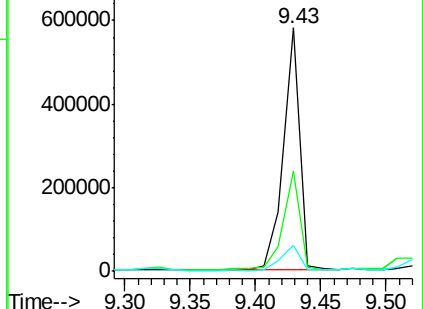
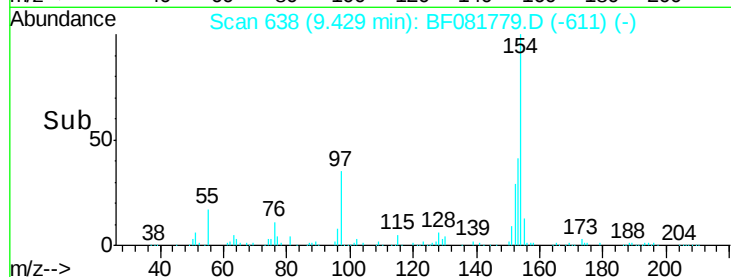
76 10.8 0.0 31.6



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



#49

Dimethylphthalate

Concen: 2.91 ng

RT: 9.71 min Scan# 663

Delta R.T. -0.00 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

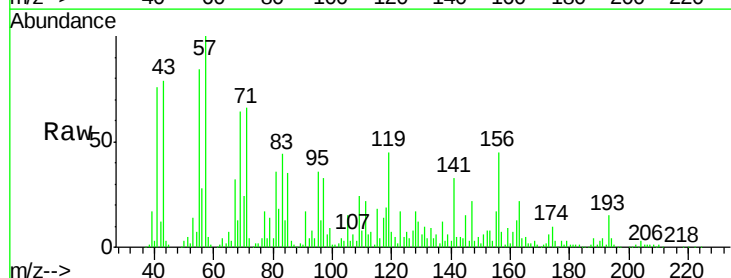
Tgt Ion:163 Resp: 69437

Ion Ratio Lower Upper

163 100

194 18.4 4.4 6.6#

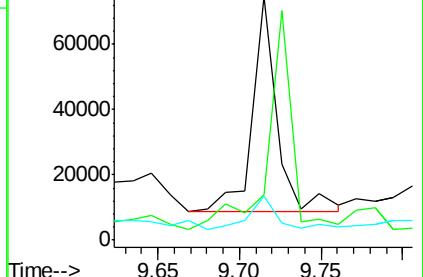
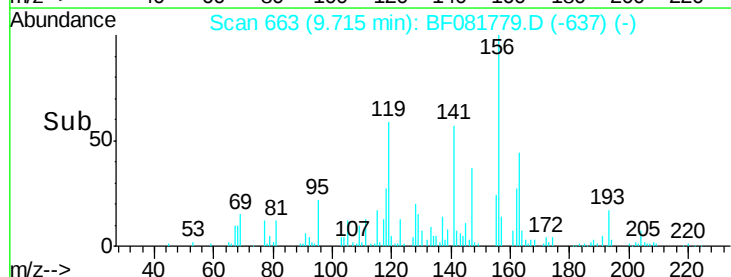
164 18.1 8.3 12.5#

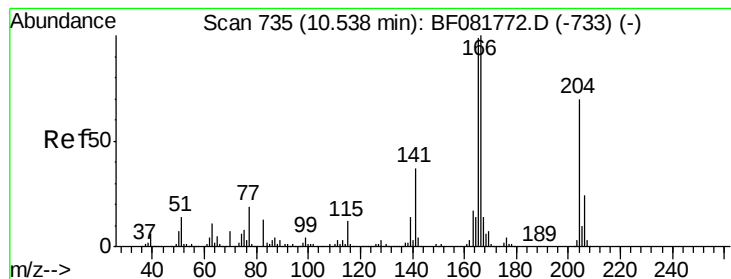


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#57

Fluorene

Concen: 11.45 ng

RT: 10.56 min Scan# 737

Delta R.T. 0.02 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

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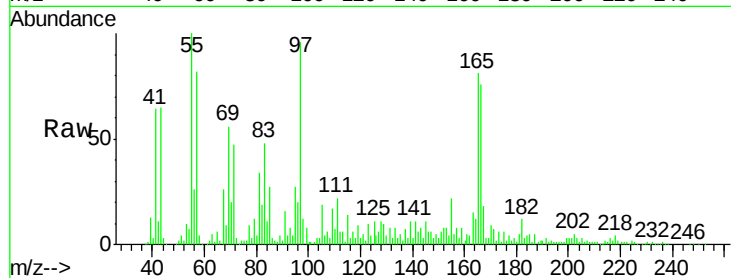
Tgt Ion:166 Resp: 247861

Ion Ratio Lower Upper

166 100

165 106.9 72.6 109.0

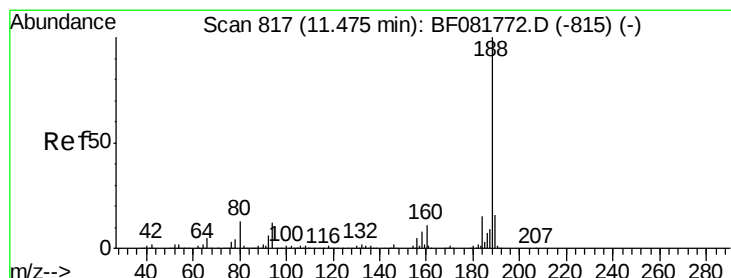
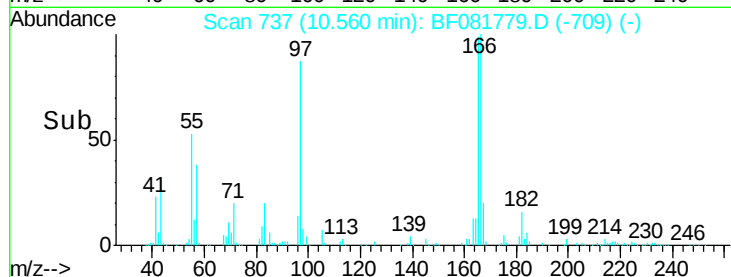
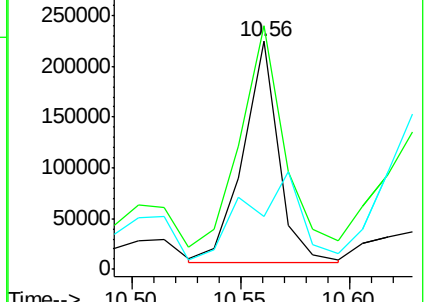
167 23.2 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.50 min Scan# 819

Delta R.T. 0.02 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

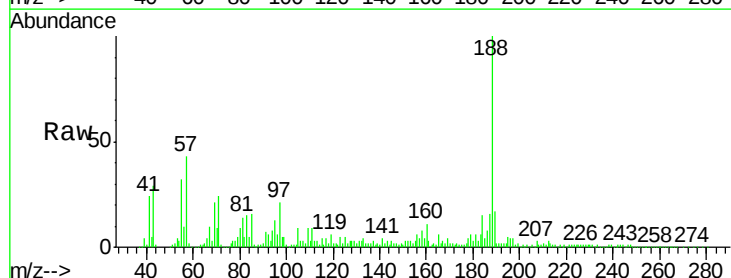
Tgt Ion:188 Resp: 568022

Ion Ratio Lower Upper

188 100

94 8.4 11.1 16.7#

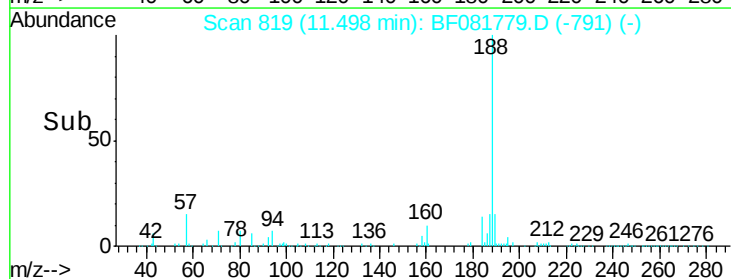
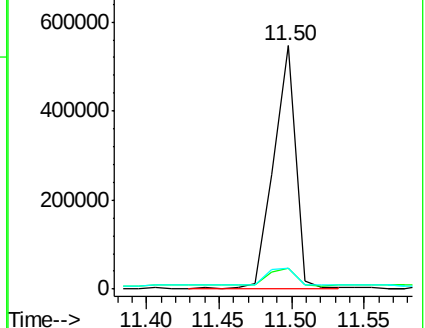
80 8.8 11.0 16.4#

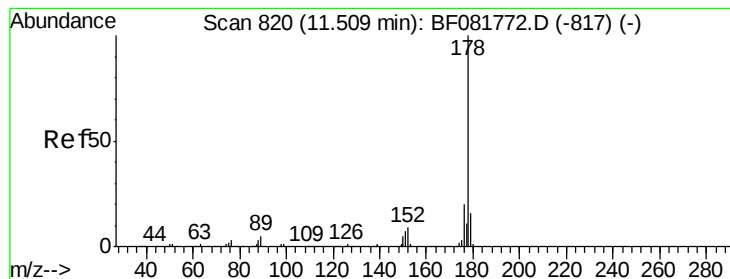


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 21.94 ng

RT: 11.52 min Scan# 821

Delta R.T. 0.01 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2DL

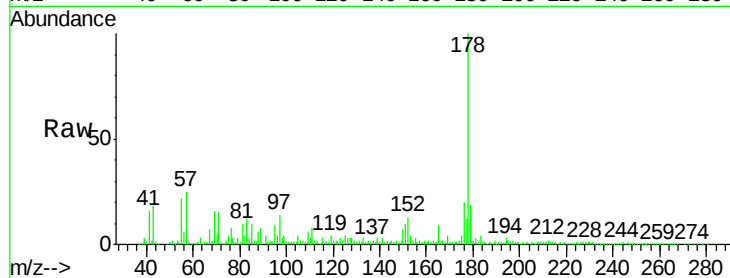
Tgt Ion:178 Resp: 712392

Ion Ratio Lower Upper

178 100

176 20.5 13.8 20.8

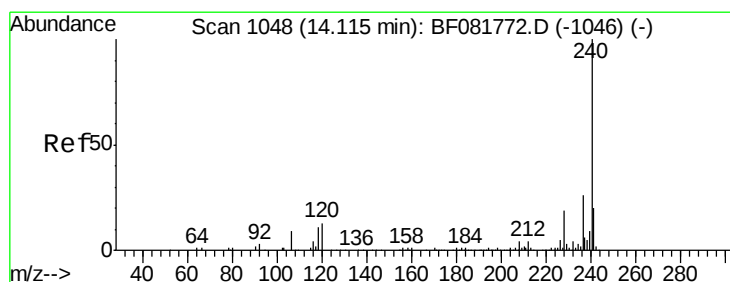
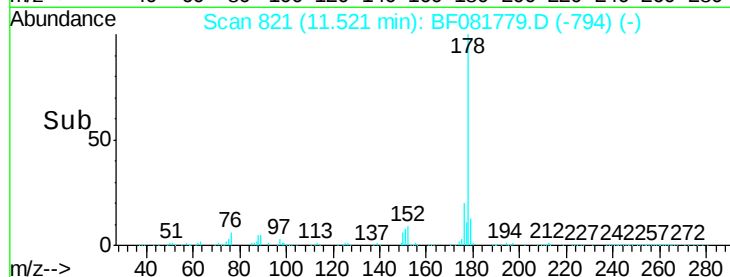
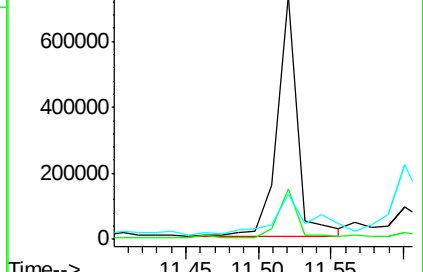
179 18.6 12.2 18.2#



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: 14.12 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

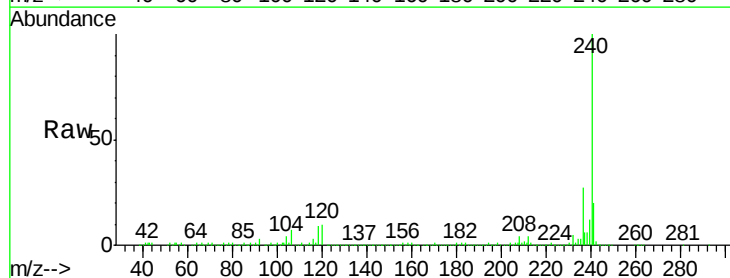
Tgt Ion:240 Resp: 675096

Ion Ratio Lower Upper

240 100

120 10.0 16.2 24.2#

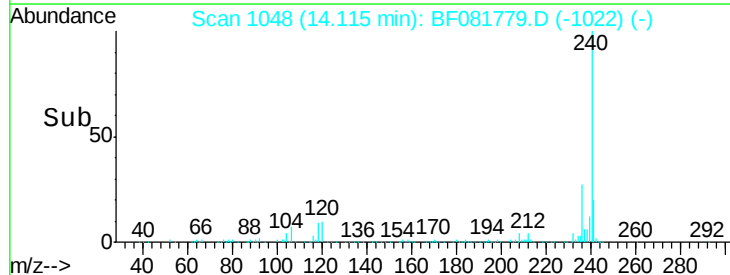
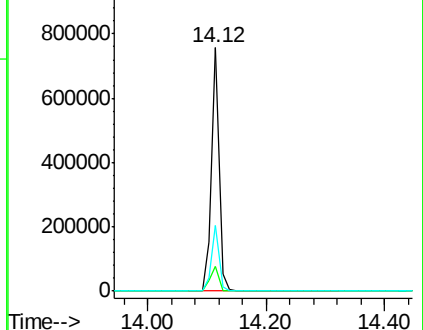
236 27.0 18.4 27.6

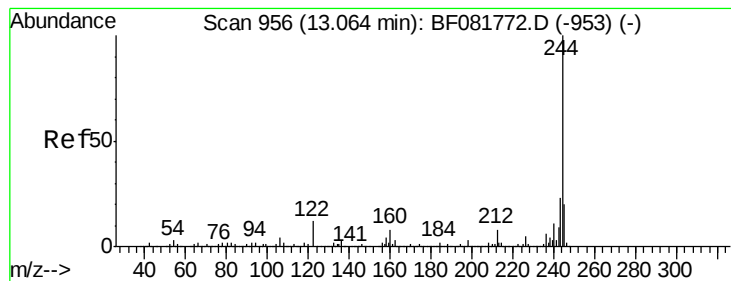


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 9.22 ng

RT: 13.06 min Scan# 956

Delta R.T. -0.00 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2DL

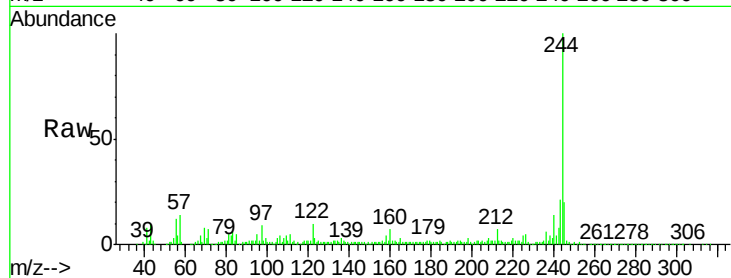
Tgt Ion:244 Resp: 272337

Ion Ratio Lower Upper

244 100

212 7.4 4.3 6.5#

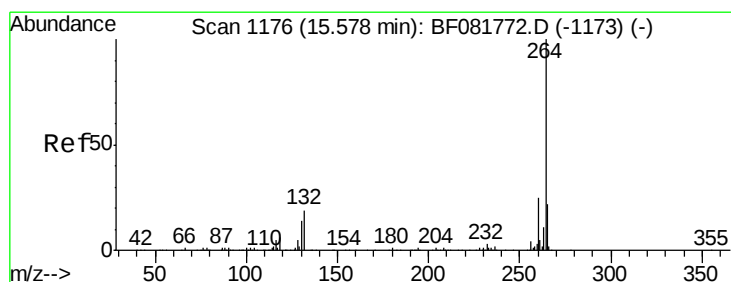
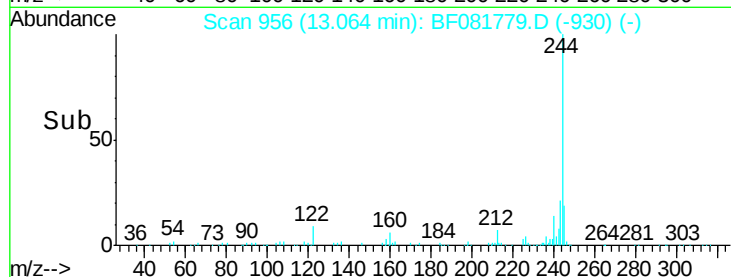
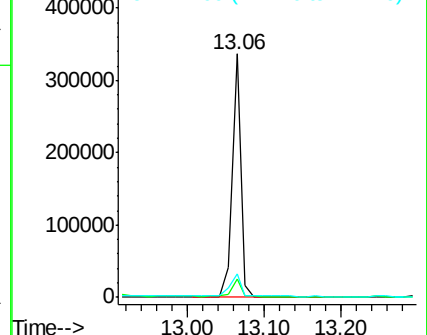
122 9.5 17.4 26.2#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.58 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BF081779.D

Acq: 24 Sep 2015 23:01

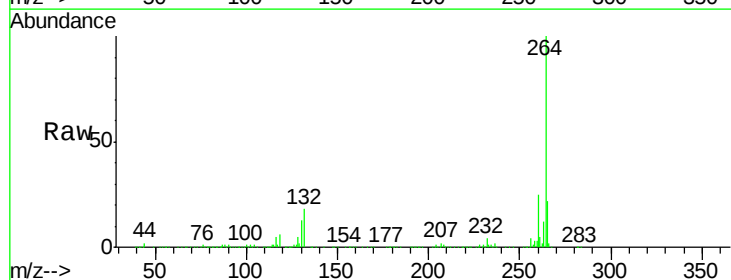
Tgt Ion:264 Resp: 526217

Ion Ratio Lower Upper

264 100

260 25.2 16.7 25.1#

265 22.1 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

