

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092115\
 Data File : BF081731.D
 Acq On : 22 Sep 2015 3:14
 Operator : UM/IZ
 Sample : G3747-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-2

Quant Time: Sep 22 04:13:05 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	8.17	152	32980	20.00	ng	-0.04
21) Naphthalene-d8	11.00	136	17185	20.00	ng	-0.12
38) Acenaphthene-d10	15.18	164	1598	20.00	ng	-0.08
63) Phenanthrene-d10	18.85	188	100330	20.00	ng	0.09
75) Chrysene-d12	23.36	240	77413	20.00	ng	-0.02
86) Perylene-d12	24.79	264	67313	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	215508	101.38	ng	-0.03
7) Phenol-d6	7.60	99	304318	108.16	ng	-0.04
23) Nitrobenzene-d5	9.42	82	26863	75.42	ng	-0.11
41) 2,4,6-Tribromophenol	17.27	330	48679	3421.20	ng	0.10
44) 2-Fluorobiphenyl	13.83	172	304953	2445.51	ng	0.06
78) Terphenyl-d14	22.09	244	259434	78.01	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	1.53	88	39184	41.04	ng	# 11
9) Benzaldehyde	7.21	77	14634	8.30	ng	# 1
15) Benzyl Alcohol	8.55	79	8347	3.62	ng	# 22
18) Hexachloroethane	9.41	117	150761	152.07	ng	# 1
19) n-Nitroso-di-n-propylamine	9.25	70	30417	15.88	ng	# 39
22) Acetophenone	8.96	105	448604	955.72	ng	# 53
24) Nitrobenzene	9.48	77	38618	104.40	ng	# 19
25) Isophorone	10.00	82	83279	125.70	ng	# 1
26) 2-Nitrophenol	10.22	139	4874	30.23	ng	# 1
28) bis(2-Chloroethoxy)methane	10.68	93	35297	92.24	ng	# 1
29) 2,4-Dichlorophenol	10.96	162	18353	76.01	ng	# 1
30) 1,2,4-Trichlorobenzene	10.95	180	4035	15.38	ng	# 12
31) Naphthalene	11.22	128	1329287	1450.40	ng	# 79
32) Benzoic acid	11.00	122	12657	62.84	ng	# 1
33) 4-Chloroaniline	11.22	127	225325	602.76	ng	# 1
35) Caprolactam	12.24	113	43234	583.80	ng	# 1
36) 4-Chloro-3-methylphenol	12.64	107	9393	34.75	ng	# 31
42) 2,4,6-Trichlorophenol	13.49	196	1613	46.25	ng	# 13
43) 2,4,5-Trichlorophenol	13.60	196	616	17.31	ng	# 1
45) 1,1'-Biphenyl	14.07	154	826500	5621.79	ng	# 95
46) 2-Chloronaphthalene	14.04	162	7833	73.78	ng	# 1
47) 2-Nitroaniline	14.23	65	56444	1304.44	ng	# 21
48) Acenaphthylene	14.92	152	177541	942.60	ng	# 1
49) Dimethylphthalate	14.77	163	9133	73.56	ng	# 1
50) 2,6-Dinitrotoluene	14.89	165	2680	95.11	ng	# 1
51) Acenaphthene	15.21	154	10613	99.05	ng	# 1
52) 3-Nitroaniline	15.20	138	15451	481.64	ng	# 1
53) 2,4-Dinitrophenol	15.50	184	1035	72.63	ng	# 1
54) Dibenzofuran	15.71	168	14787	94.51	ng	# 1
55) 4-Nitrophenol	15.88	139	79665	3952.81	ng	# 46
56) 2,4-Dinitrotoluene	15.69	165	61842	1723.55	ng	# 53
57) Fluorene	16.43	166	11638	98.02	ng	# 1
58) 2,3,4,6-Tetrachlorophenol	16.06	232	251	9.24	ng	# 1
59) Diethylphthalate	16.47	149	14736	112.83	ng	# 1

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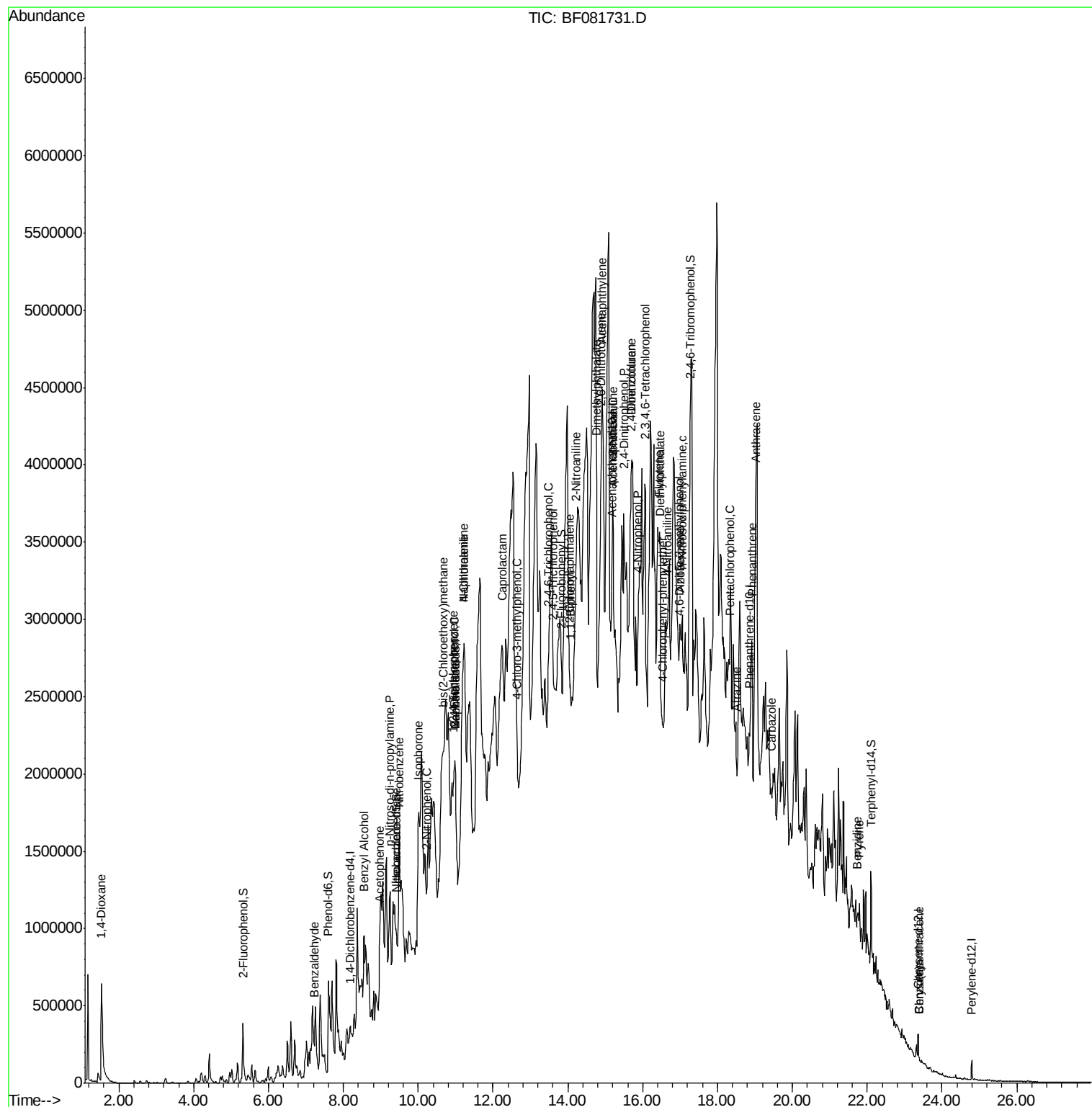
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) 4-Chlorophenyl-phenylether	16.54	204	9378	169.47	nq	# 1
61) 4-Nitroaniline	16.67	138	6710	207.03	nq	# 2
62) Azobenzene	17.01	77	9968	68.65	nq	# 29
64) 4,6-Dinitro-2-methylphenol	16.97	198	7874	14.03	nq	# 1
65) n-Nitrosodiphenylamine	17.05	169	213991	58.61	nq	# 55
68) Atrazine	18.51	200	8733	8.27	nq	# 26
69) Pentachlorophenol	18.32	266	211	9.11	nq	# 19
70) Phenanthrene	18.92	178	887252	159.07	nq	# 93
71) Anthracene	19.02	178	82226	14.35	nq	# 17
72) Carbazole	19.45	167	16679	3.10	nq	# 1
76) Benzydine	21.74	184	7549	2.27	nq	# 1
77) Pyrene	21.79	202	61296	10.69	nq	# 74
80) Benzo(a)anthracene	23.39	228	11399	2.31	nq	# 34
82) Chrysene	23.39	228	11399	2.58	nq	# 37

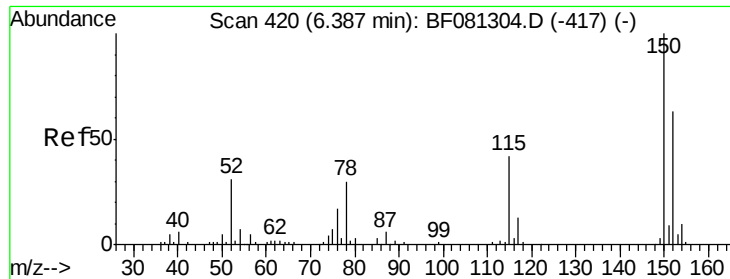
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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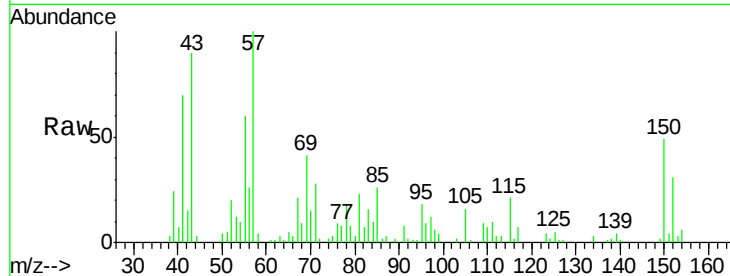




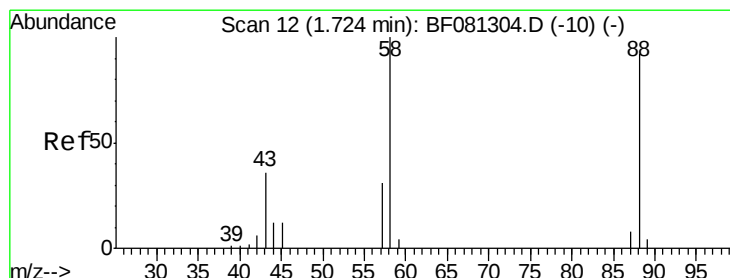
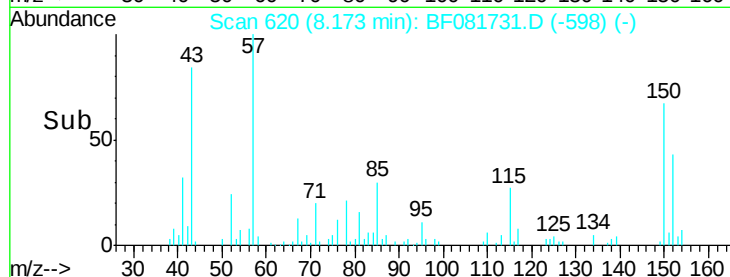
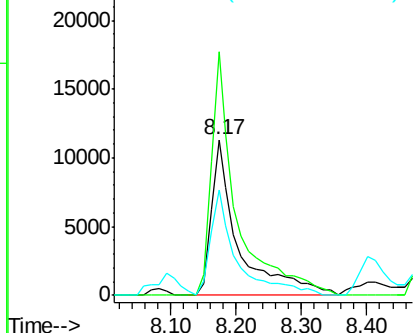
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.17 min Scan# 620
 Delta R.T. -0.04 min
 Lab File: BF081731.D
 Acq: 22 Sep 2015 3:14

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-2

Tot Ion:152 Resp: 32980
 Ion Ratio Lower Upper
 152 100
 150 156.4 124.7 187.1
 115 67.8 39.0 58.4#

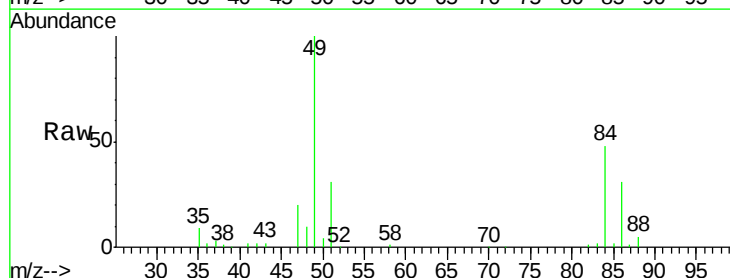


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

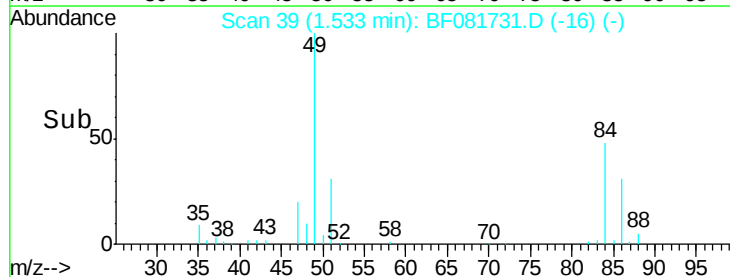
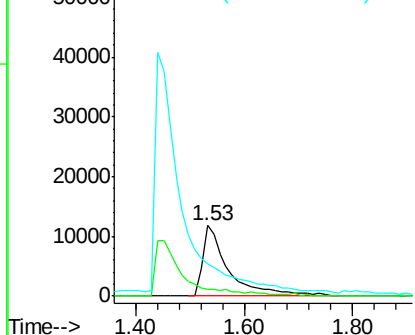


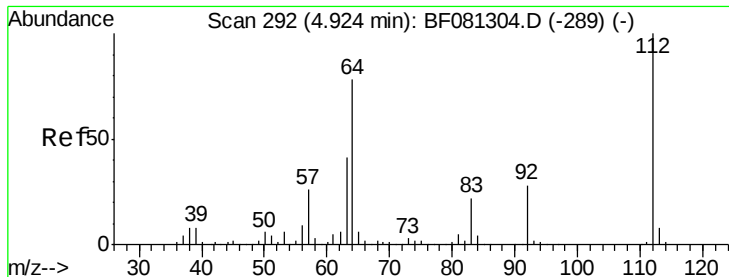
#2
 1,4-Dioxane
 Concen: 41.04 ng
 RT: 1.53 min Scan# 39
 Delta R.T. -0.03 min
 Lab File: BF081731.D
 Acq: 22 Sep 2015 3:14

Tgt Ion: 88 Resp: 39184
 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: 101.38 ng

RT: 5.32 min Scan# 370

Delta R.T. -0.03 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2

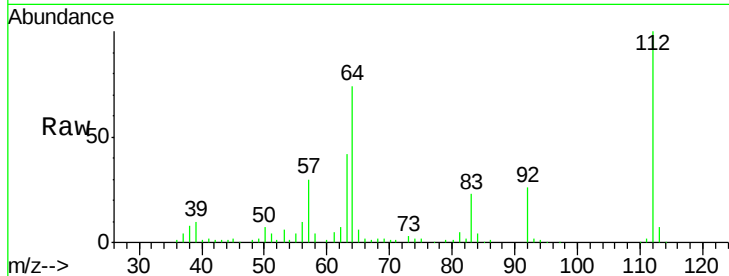
Tot Ion: 112 Resp: 215508

Ion Ratio Lower Upper

112 100

64 73.9 39.7 59.5#

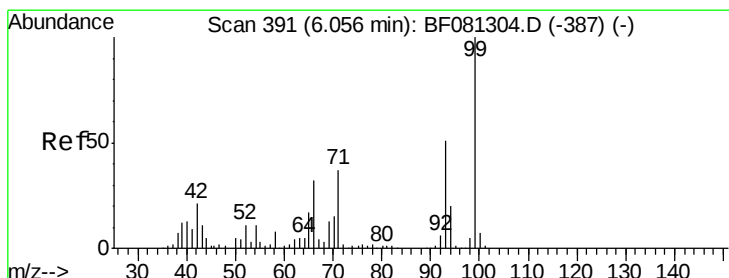
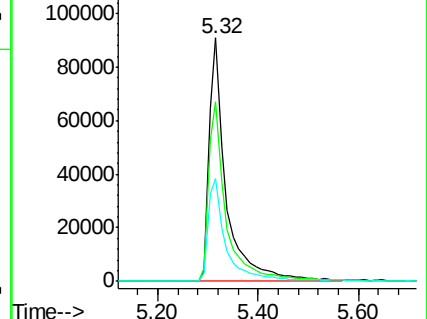
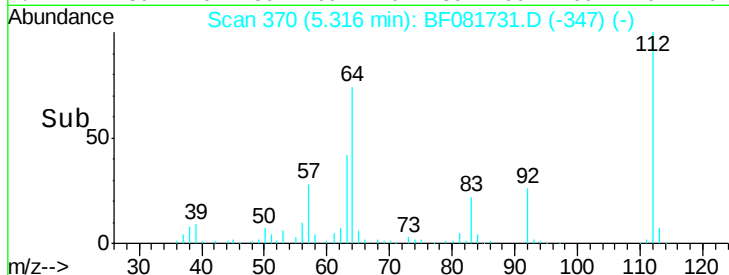
63 42.3 17.4 26.0#



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: 108.16 ng

RT: 7.60 min Scan# 570

Delta R.T. -0.04 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

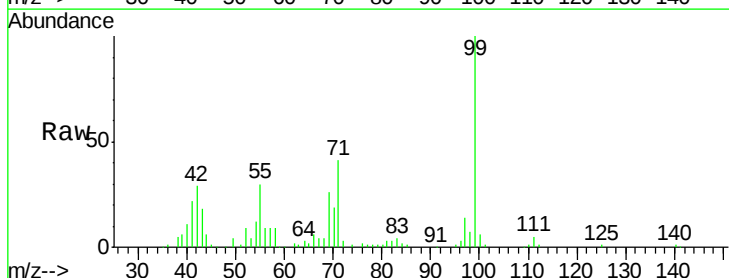
Tgt Ion: 99 Resp: 304318

Ion Ratio Lower Upper

99 100

42 29.0 13.7 20.5#

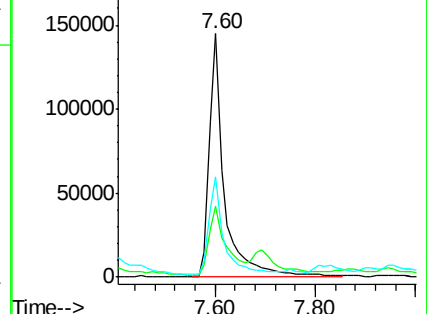
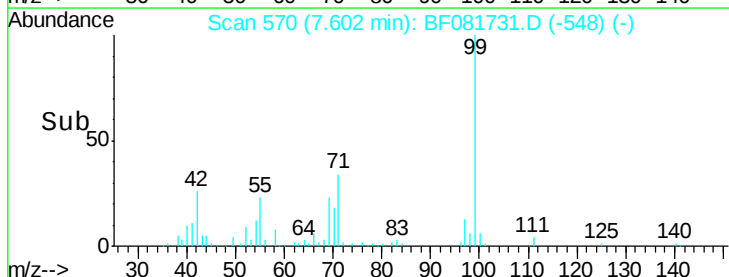
71 41.3 14.2 21.2#

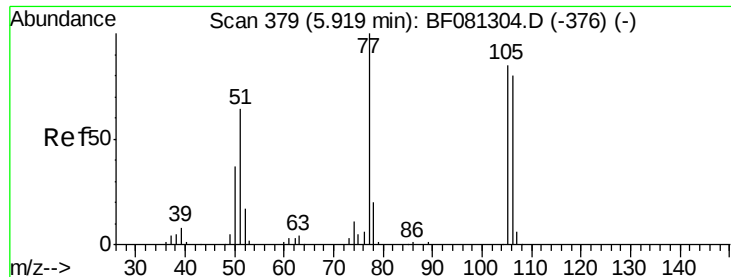


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 8.30 ng

RT: 7.21 min Scan# 536

Delta R.T. -0.02 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2

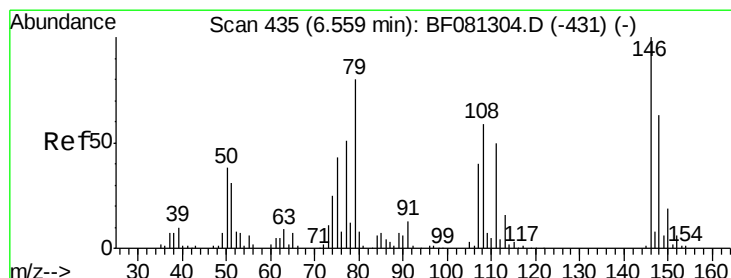
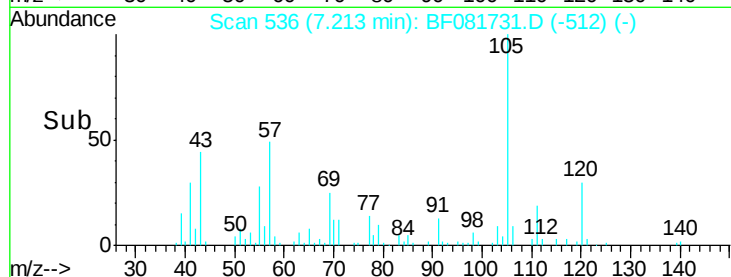
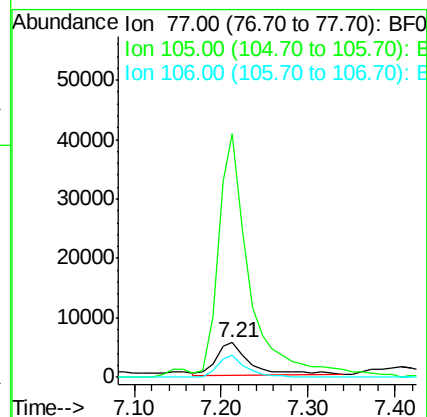
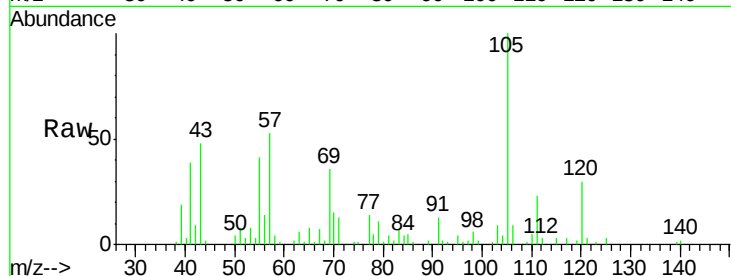
Tot Ion: 77 Resp: 14634

Ion Ratio Lower Upper

77 100

105 705.6 91.6 131.6#

106 65.0 102.6 142.6#



#15

Benzyl Alcohol

Concen: 3.62 ng

RT: 8.55 min Scan# 653

Delta R.T. -0.11 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

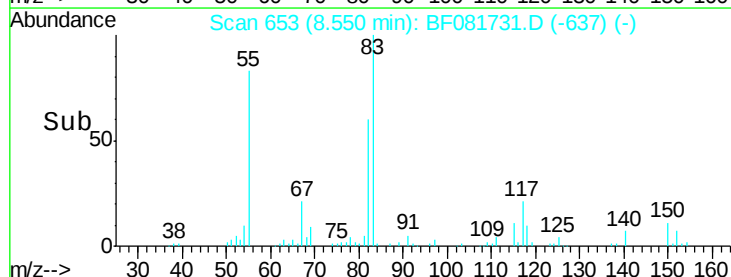
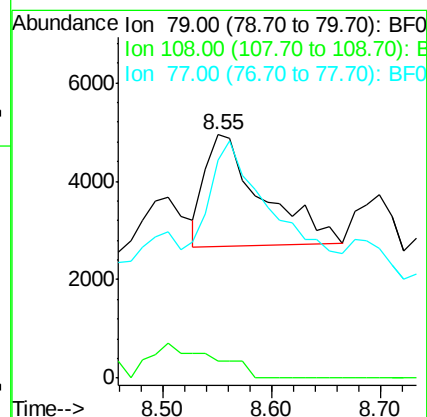
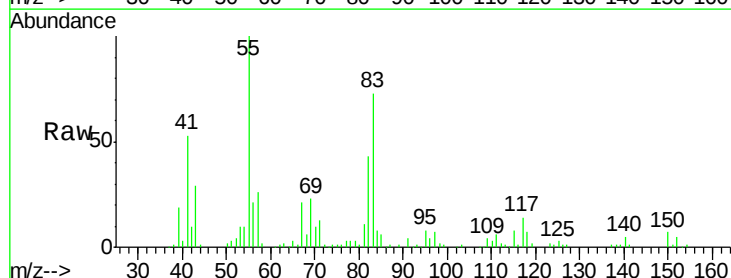
Tgt Ion: 79 Resp: 8347

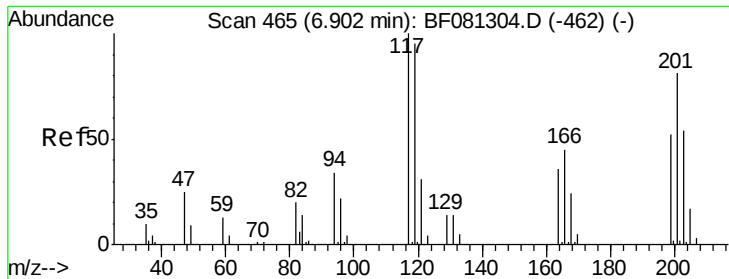
Ion Ratio Lower Upper

79 100

108 7.0 88.6 132.8#

77 89.6 47.0 70.4#

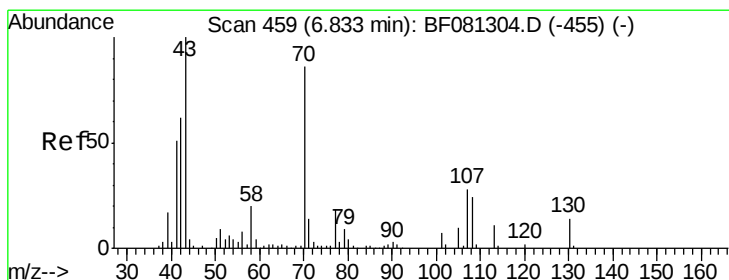
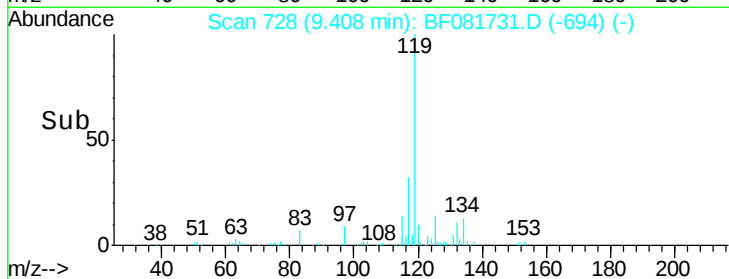
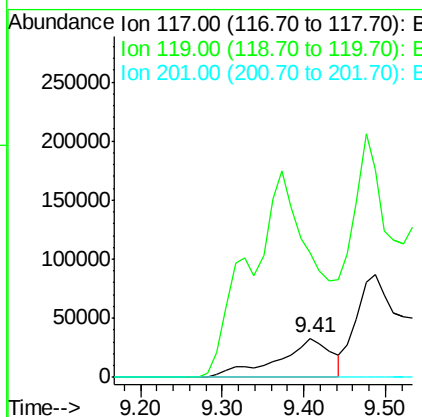
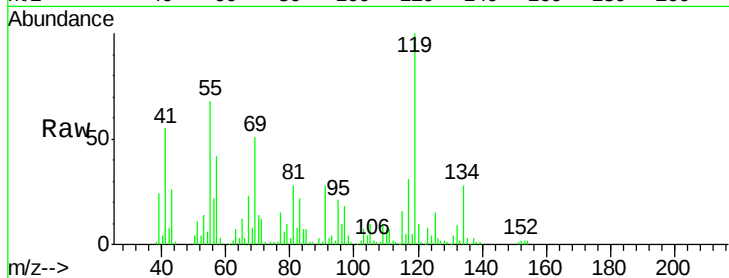




#18
Hexachloroethane
Concen: 152.07 ng
RT: 9.41 min Scan# 728
Delta R.T. 0.09 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

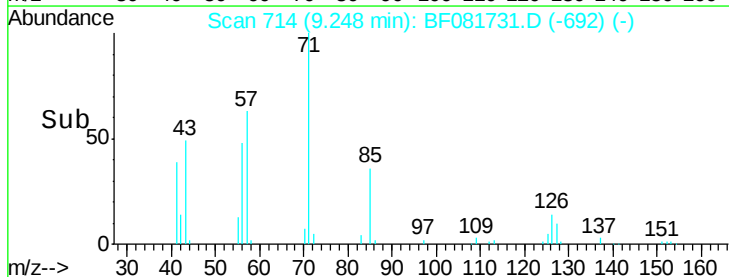
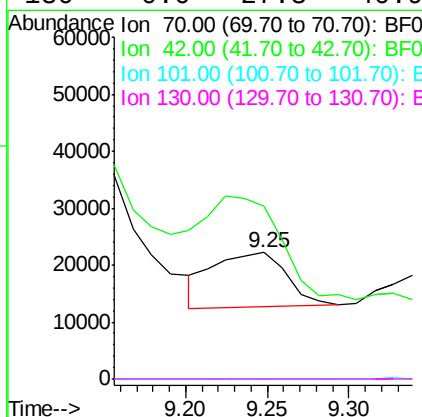
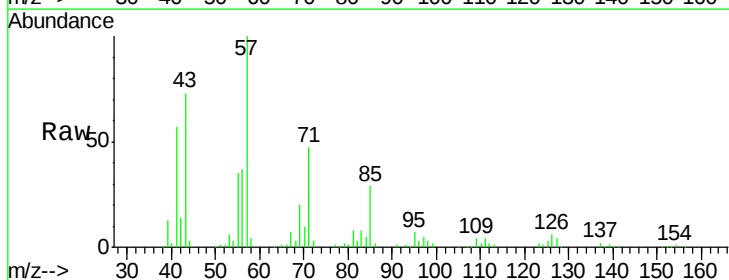
Instrument :
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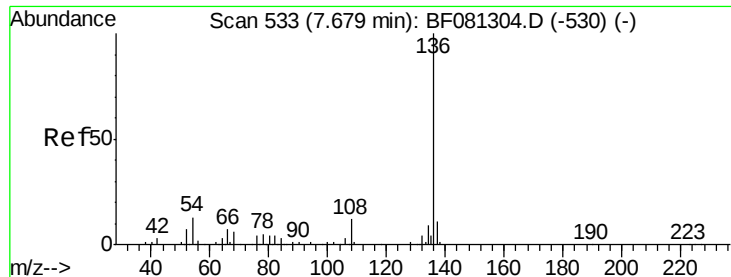
Tot Ion:117 Resp: 150761
Ion Ratio Lower Upper
117 100
119 318.1 83.8 125.6#
201 0.0 55.1 82.7#



#19
n-Nitroso-di-n-propylamine
Concen: 15.88 ng
RT: 9.25 min Scan# 714
Delta R.T. -0.04 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

Tgt Ion: 70 Resp: 30417
Ion Ratio Lower Upper
70 100
42 137.3 63.8 95.6#
101 0.0 9.2 13.8#
130 0.0 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.00 min Scan# 867

Delta R.T. -0.12 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2

Tot Ion:136 Resp: 17185

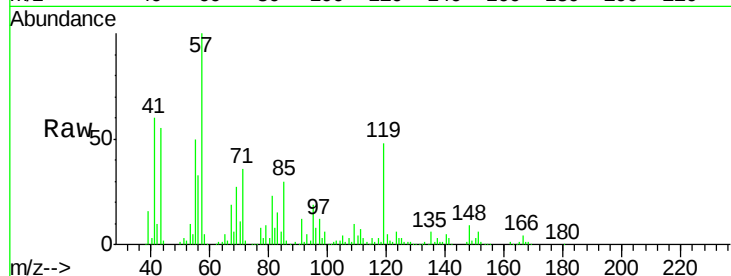
Ion Ratio Lower Upper

136 100

137 242.8 9.0 13.6#

54 464.1 8.2 12.2#

68 593.3 5.8 8.6#



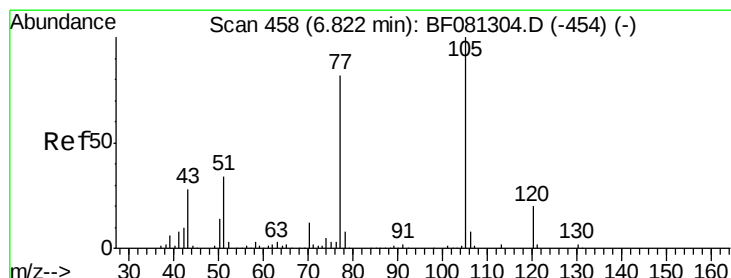
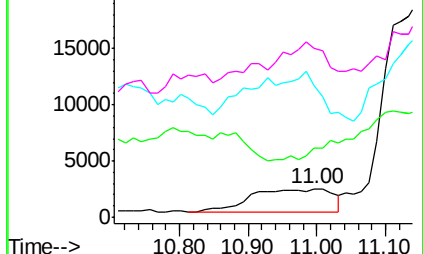
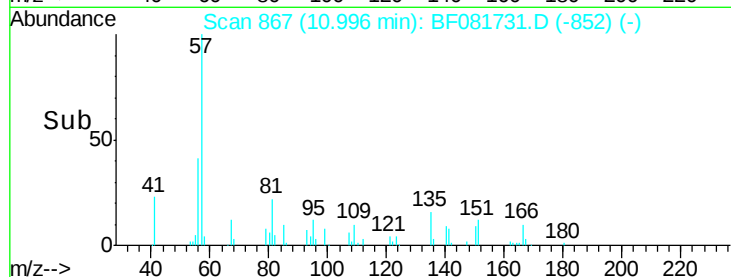
Abundance Ion 136.00 (135.70 to 136.70): E

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-->



#22

Acetophenone

Concen: 955.72 ng

RT: 8.96 min Scan# 689

Delta R.T. -0.25 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Tgt Ion:105 Resp: 448604

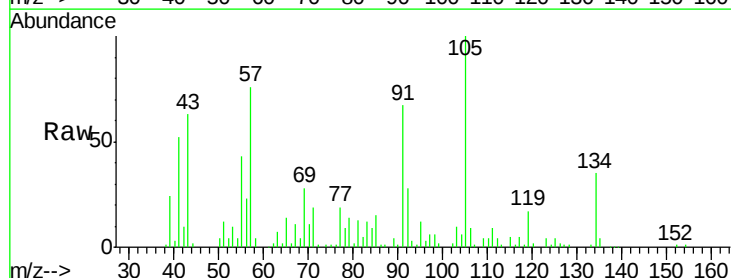
Ion Ratio Lower Upper

105 100

71 19.3 4.7 7.1#

51 11.8 22.0 33.0#

120 1.8 30.1 45.1#



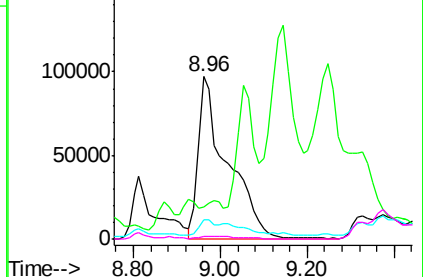
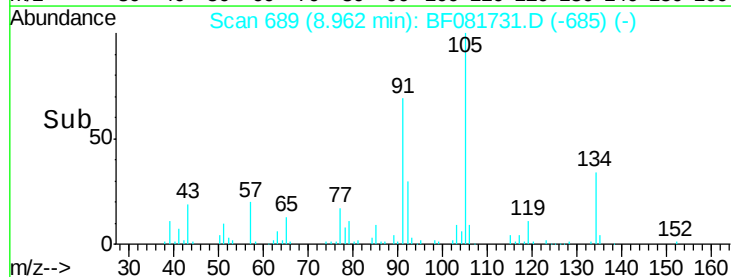
Abundance Ion 105.00 (104.70 to 105.70): E

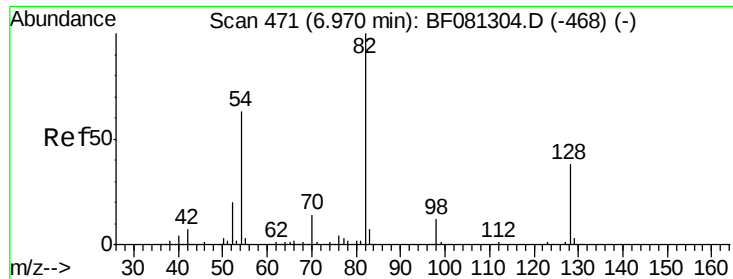
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->

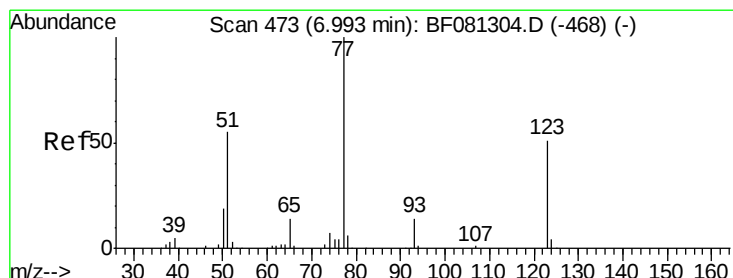
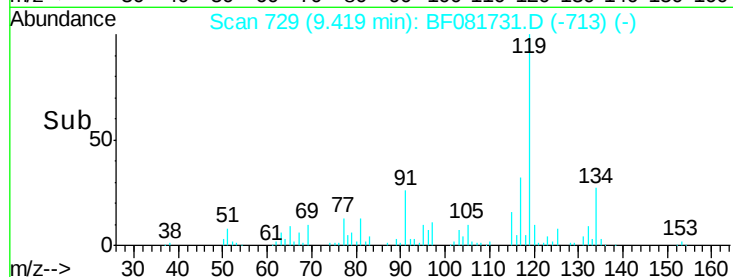
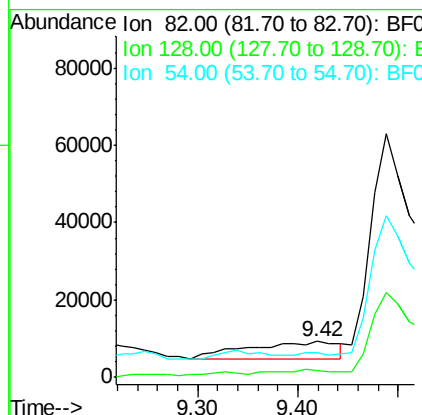
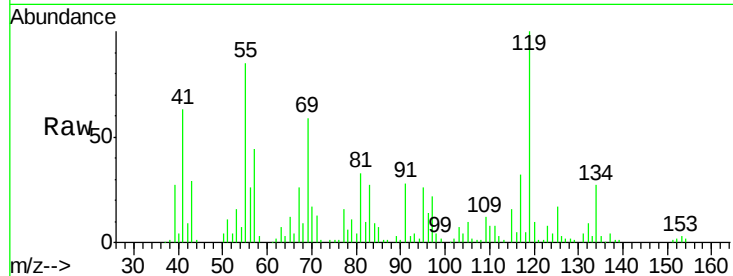




#23
 Nitrobenzene-d5
 Concen: 75.42 ng
 RT: 9.42 min Scan# 729
 Delta R.T. -0.11 min
 Lab File: BF081731.D
 Acq: 22 Sep 2015 3:14

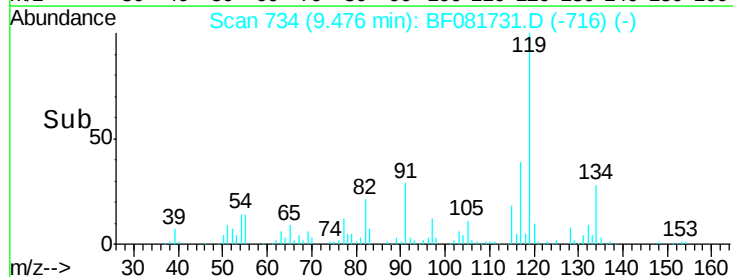
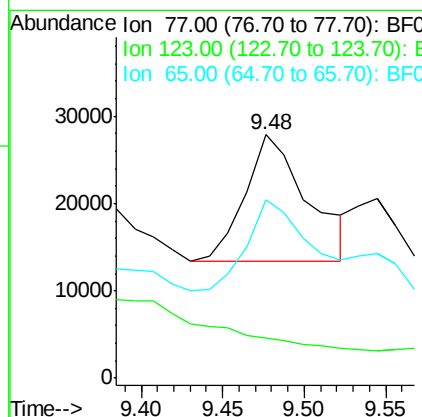
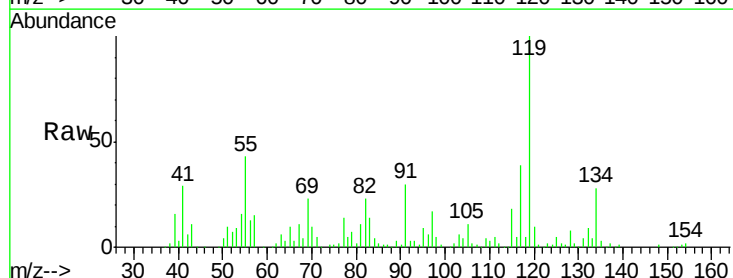
Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-2

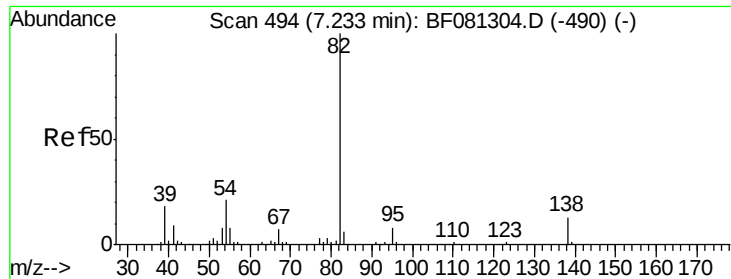
Tot Ion: 82 Resp: 26863
 Ion Ratio Lower Upper
 82 100
 128 18.0 51.0 76.6#
 54 69.4 47.5 71.3



#24
 Nitrobenzene
 Concen: 104.40 ng
 RT: 9.48 min Scan# 734
 Delta R.T. -0.09 min
 Lab File: BF081731.D
 Acq: 22 Sep 2015 3:14

Tgt Ion: 77 Resp: 38618
 Ion Ratio Lower Upper
 77 100
 123 16.4 59.8 89.8#
 65 73.2 10.2 15.4#





#25

Isophorone

Concen: 125.70 ng

RT: 10.00 min Scan# 780

Delta R.T. -0.16 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2

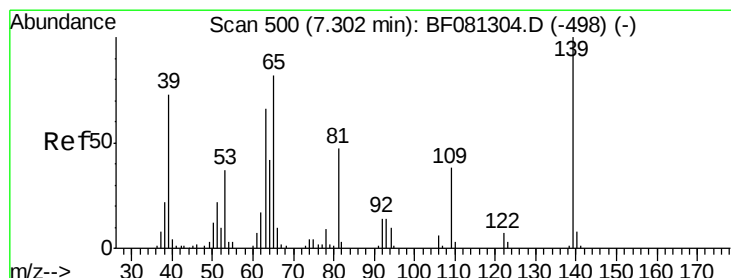
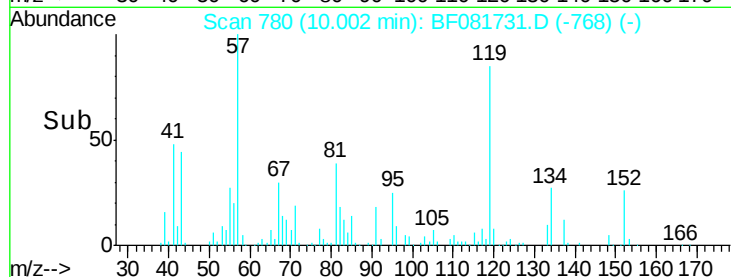
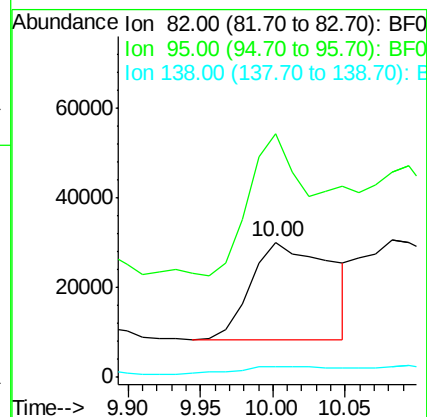
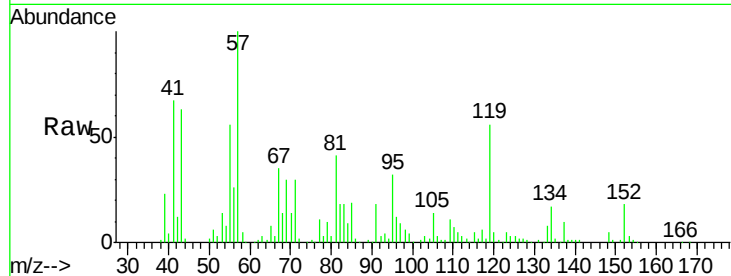
Tot Ion: 82 Resp: 83279

Ion Ratio Lower Upper

82 100

95 180.3 4.0 6.0#

138 8.2 18.3 27.5#



#26

2-Nitrophenol

Concen: 30.23 ng

RT: 10.22 min Scan# 799

Delta R.T. -0.08 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

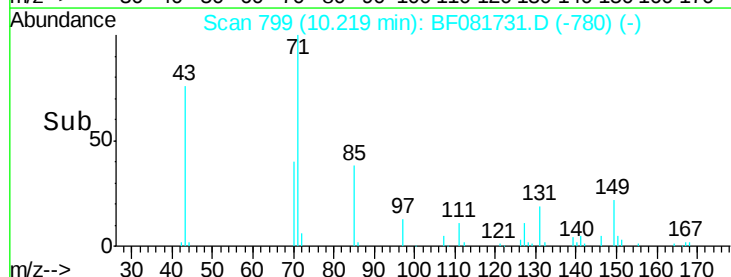
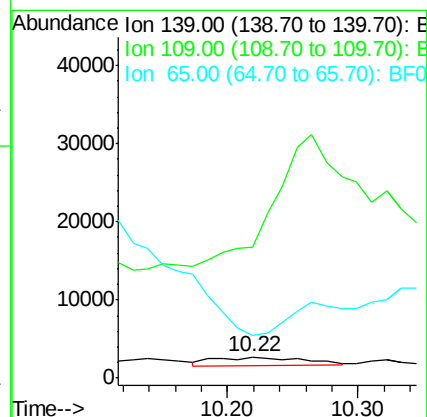
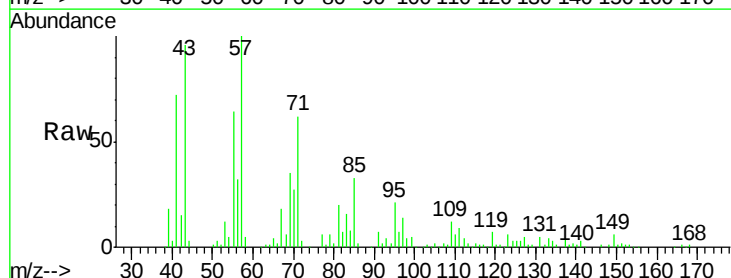
Tgt Ion: 139 Resp: 4874

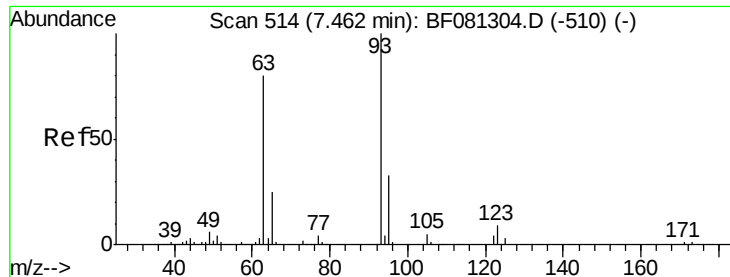
Ion Ratio Lower Upper

139 100

109 615.5 11.0 16.4#

65 200.1 24.7 37.1#

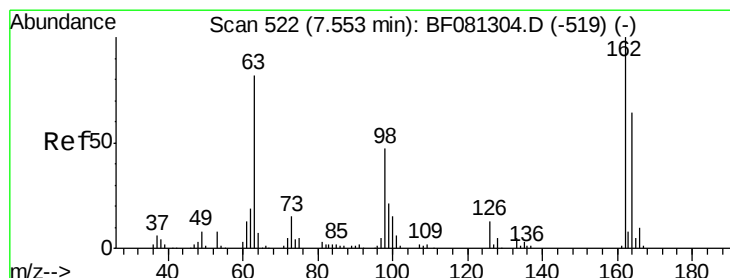
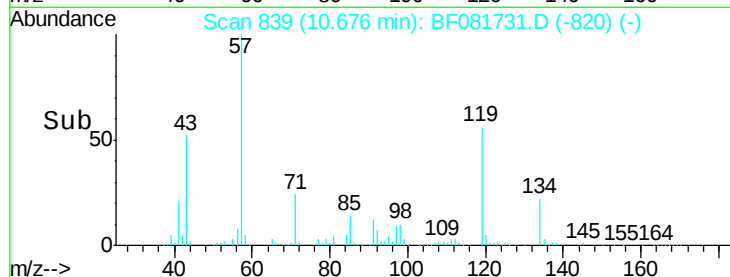
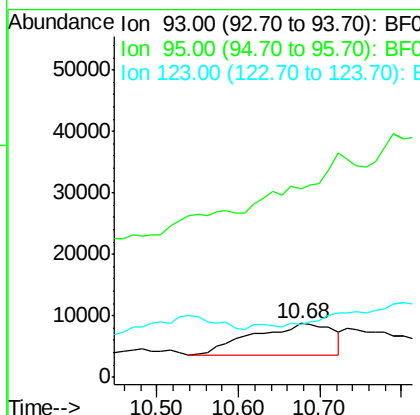
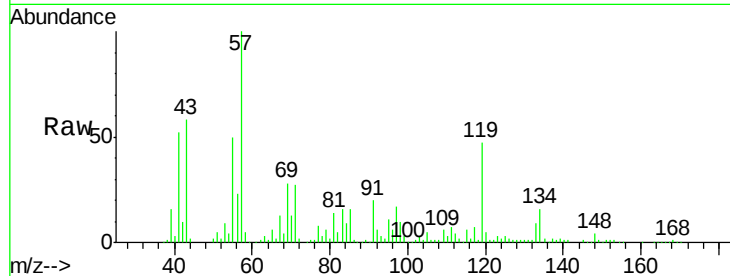




#28
bis(2-Chloroethoxy)methane
Concen: 92.24 ng
RT: 10.68 min Scan# 839
Delta R.T. -0.08 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

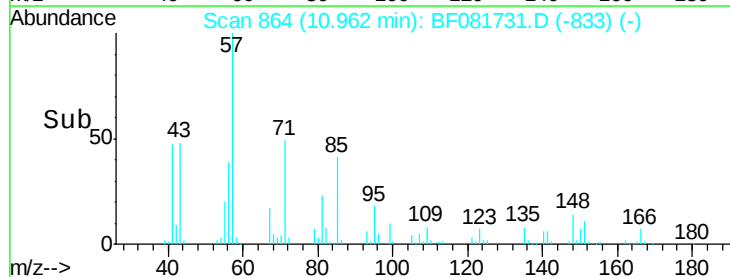
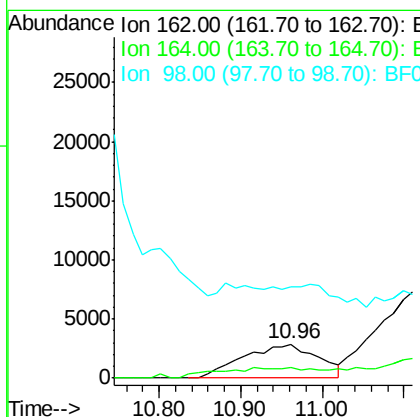
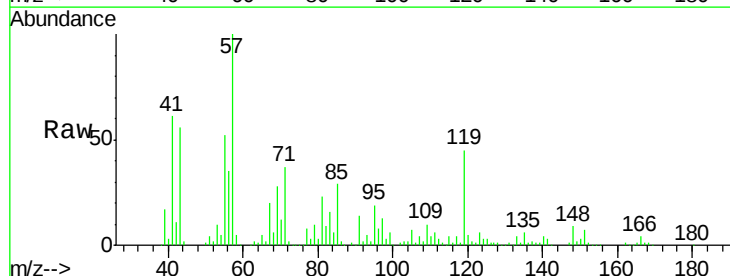
Instrument :
BNA_F
ClientSampleId :
TRENCH-1-2

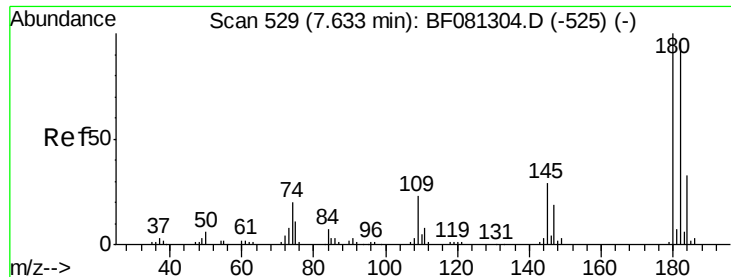
Tot Ion: 93 Resp: 35297
Ion Ratio Lower Upper
93 100
95 347.2 27.5 41.3#
123 97.5 13.7 20.5#



#29
2,4-Dichlorophenol
Concen: 76.01 ng
RT: 10.96 min Scan# 864
Delta R.T. 0.06 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

Tgt Ion: 162 Resp: 18353
Ion Ratio Lower Upper
162 100
164 31.8 44.9 84.9#
98 268.2 13.0 53.0#

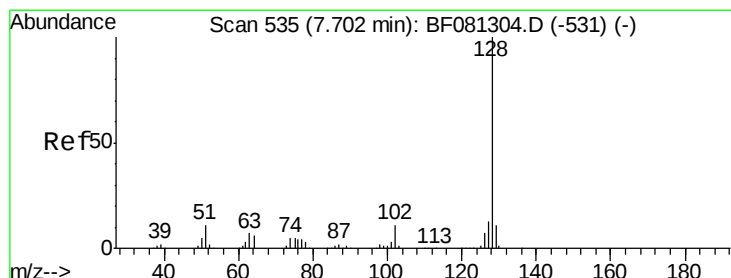
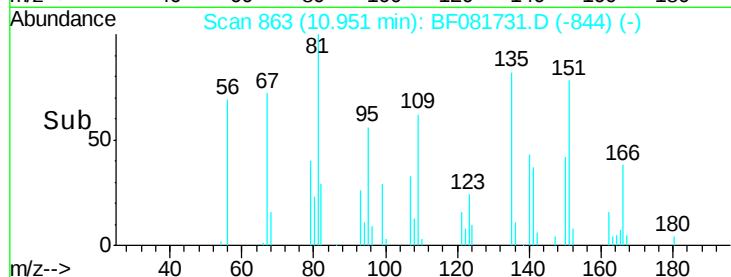
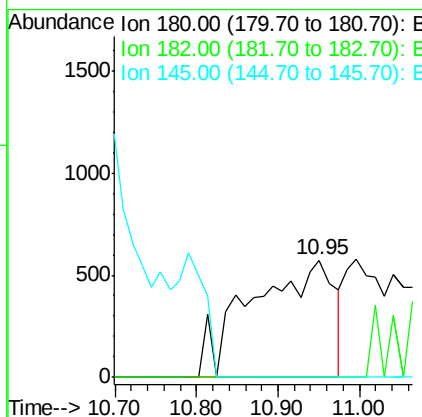
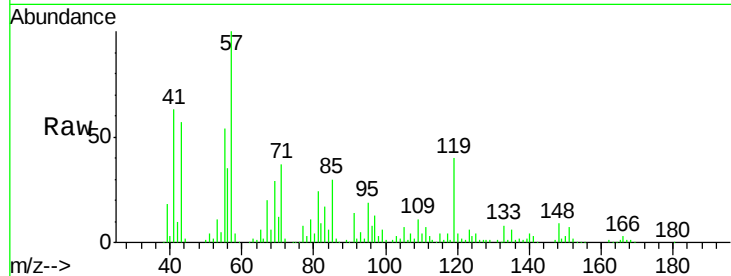




#30
1,2,4-Trichlorobenzene
Concen: 15.38 ng
RT: 10.95 min Scan# 863
Delta R.T. -0.08 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

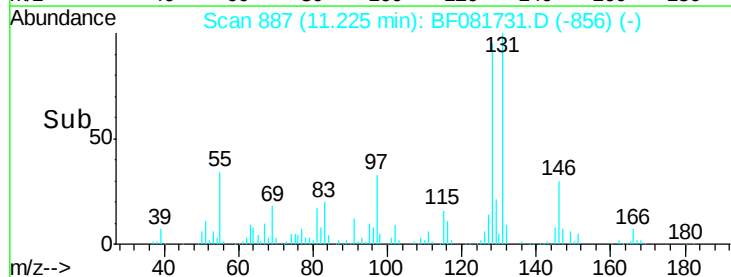
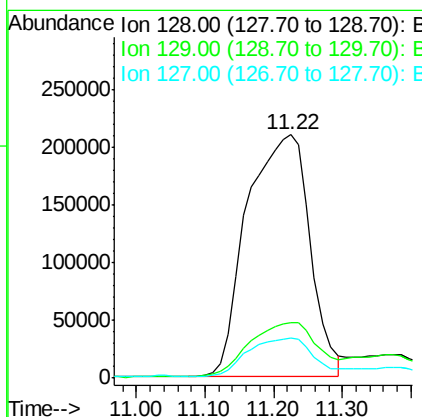
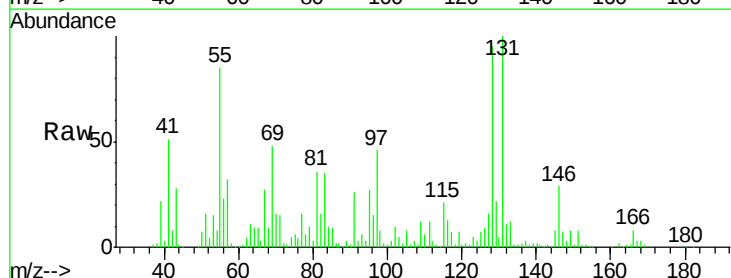
Instrument :
BNA_F
ClientSampleId :
TRENCH-1-2

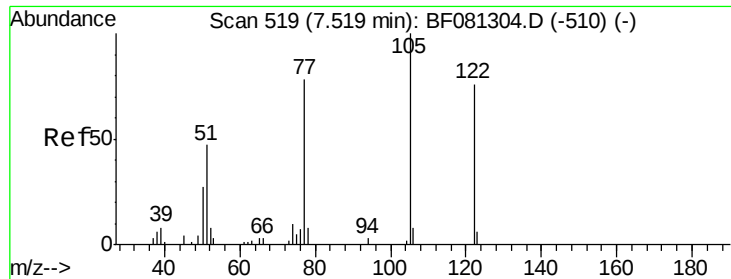
Tot Ion:180 Resp: 4035
Ion Ratio Lower Upper
180 100
182 0.0 77.1 115.7#
145 0.0 23.3 34.9#



#31
Naphthalene
Concen: 1450.40 ng
RT: 11.22 min Scan# 887
Delta R.T. 0.06 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

Tgt Ion:128 Resp: 1329287
Ion Ratio Lower Upper
128 100
129 22.8 8.4 12.6#
127 16.5 9.9 14.9#

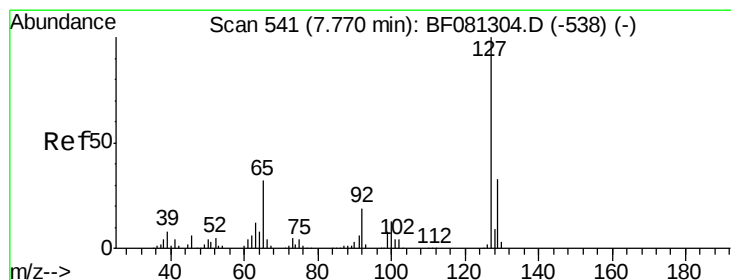
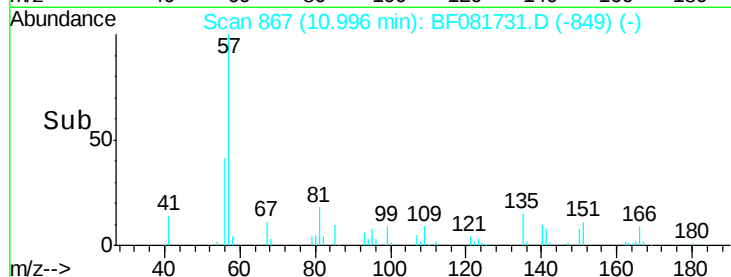
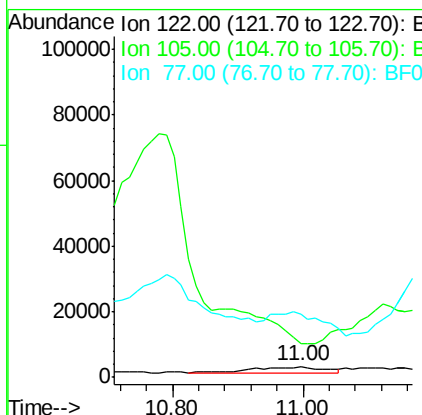
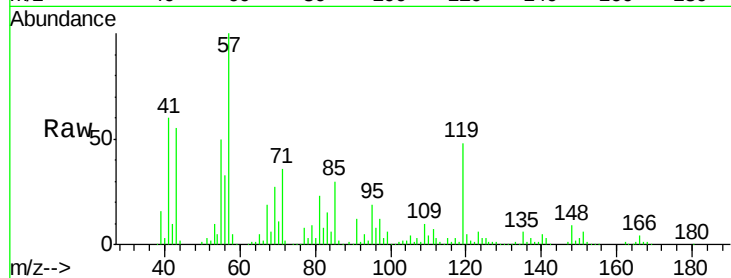




#32
Benzoic acid
Concen: 62.84 ng
RT: 11.00 min Scan# 867
Delta R.T. -0.09 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

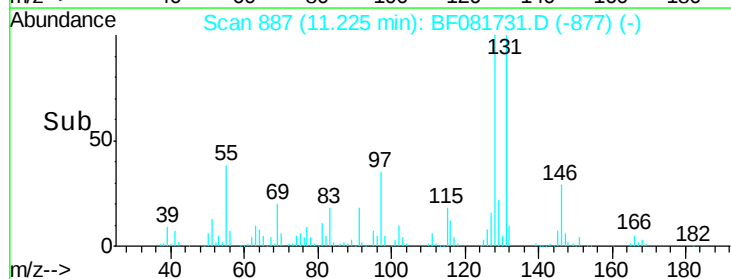
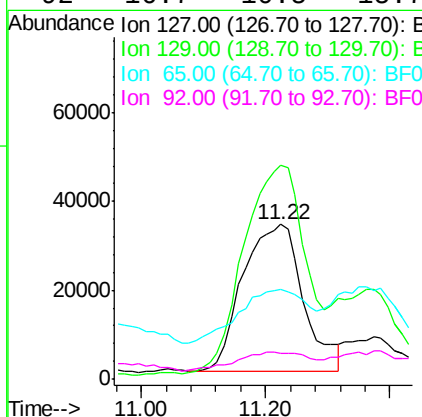
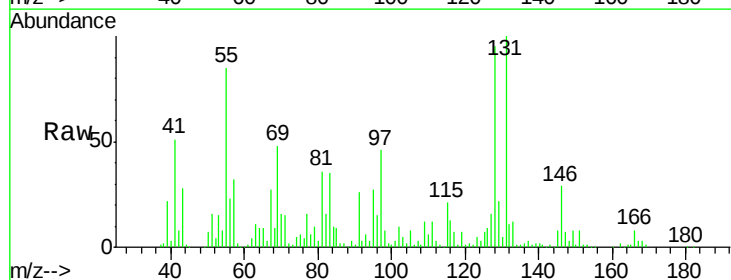
Instrument :
BNA_F
ClientSampleId :
TRENCH-1-2

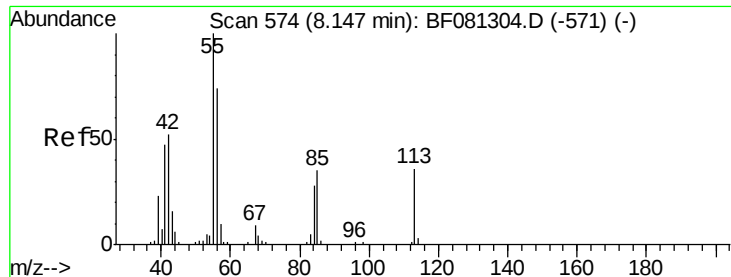
Tot Ion:122 Resp: 12657
Ion Ratio Lower Upper
122 100
105 311.3 76.1 116.1#
77 571.3 40.5 80.5#



#33
4-Chloroaniline
Concen: 602.76 ng
RT: 11.22 min Scan# 887
Delta R.T. -0.18 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

Tgt Ion:127 Resp: 225325
Ion Ratio Lower Upper
127 100
129 138.2 25.8 38.6#
65 58.1 17.9 26.9#
92 16.7 10.5 15.7#

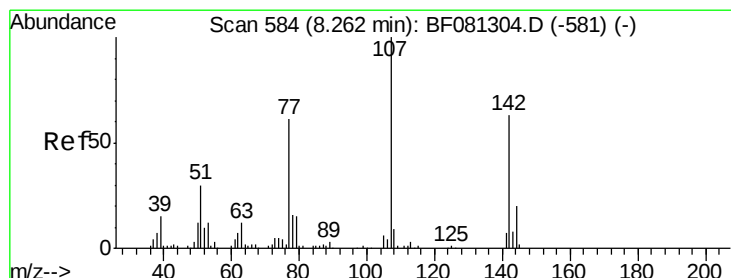
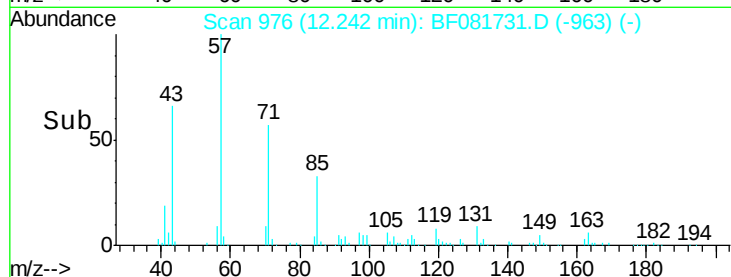
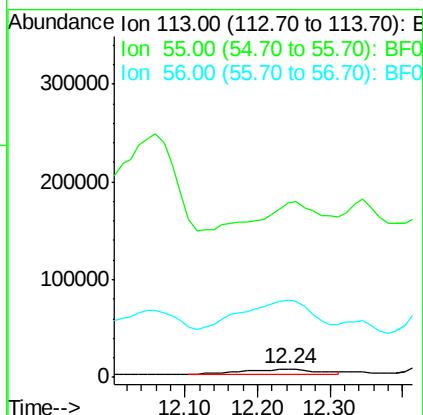
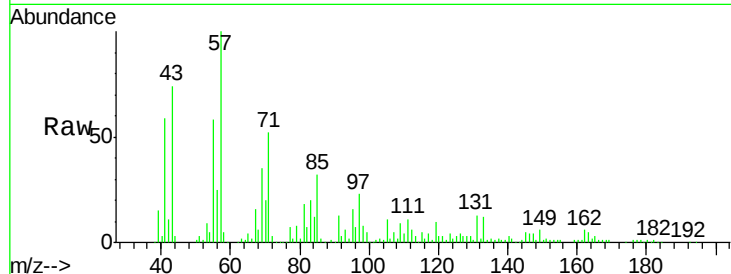




#35
Caprolactam
Concen: 583.80 ng
RT: 12.24 min Scan# 976
Delta R.T. -0.15 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

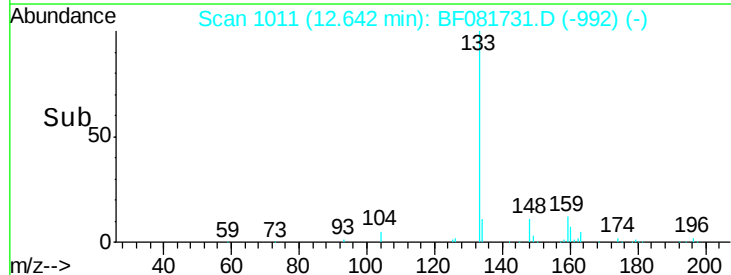
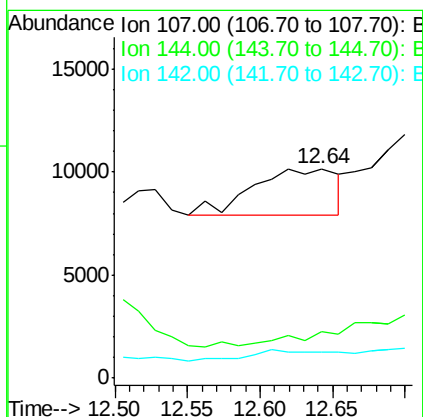
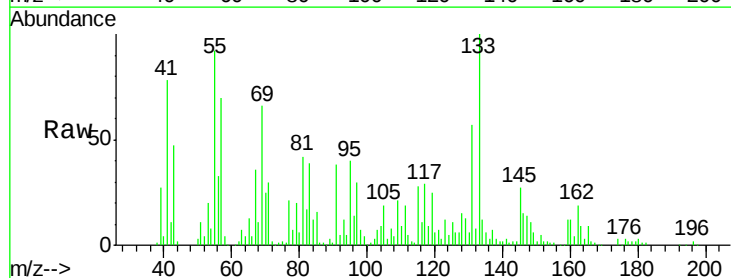
Instrument :
BNA_F
ClientSampleId :
TRENCH-1-2

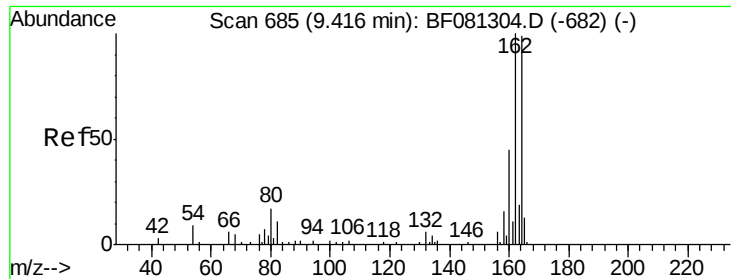
Tot Ion:113 Resp: 43234
Ion Ratio Lower Upper
113 100
55 2087.2 152.4 192.4#
56 922.0 104.6 144.6#



#36
4-Chloro-3-methylphenol
Concen: 34.75 ng
RT: 12.64 min Scan# 1011
Delta R.T. -0.08 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

Tgt Ion:107 Resp: 9393
Ion Ratio Lower Upper
107 100
144 22.3 25.4 38.0#
142 12.5 77.3 115.9#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.18 min Scan# 1233

Delta R.T. -0.08 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2

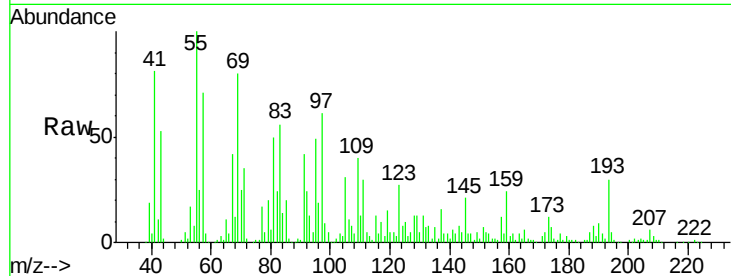
Tot Ion:164 Resp: 1598

Ion Ratio Lower Upper

164 100

162 72.4 75.2 112.8#

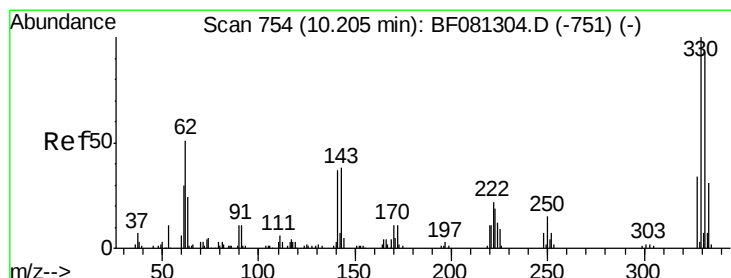
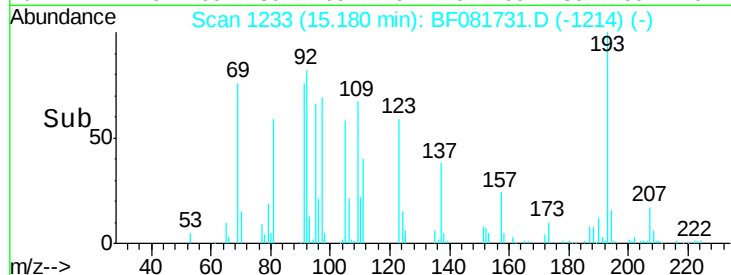
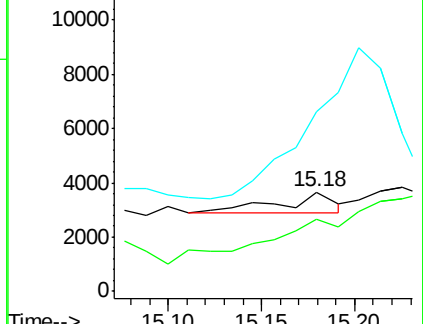
160 181.1 31.5 47.3#



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: 3421.20 ng

RT: 17.27 min Scan# 1416

Delta R.T. 0.10 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

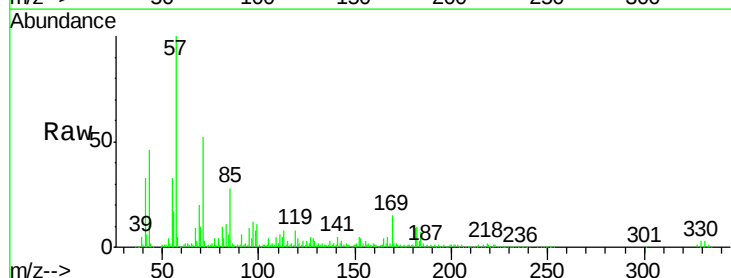
Tgt Ion:330 Resp: 48679

Ion Ratio Lower Upper

330 100

332 97.6 76.6 114.8

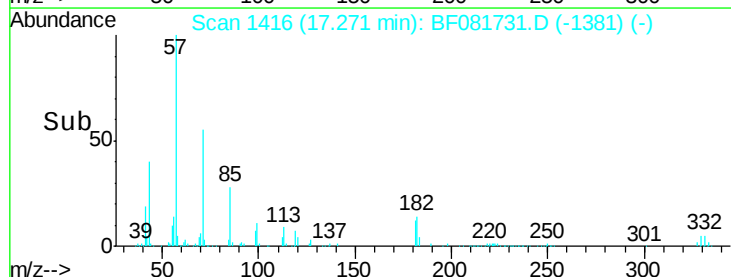
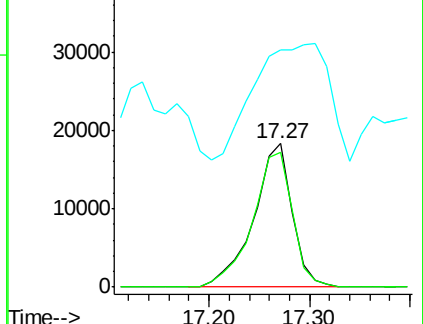
141 0.0 29.7 44.5#

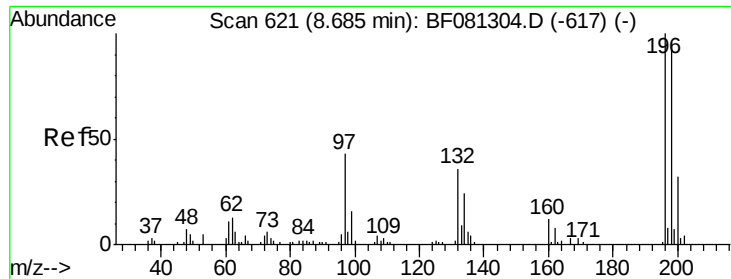


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

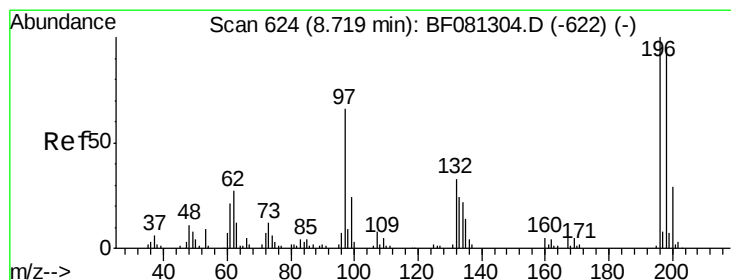
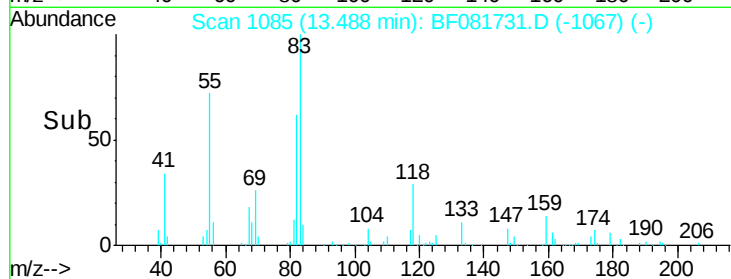
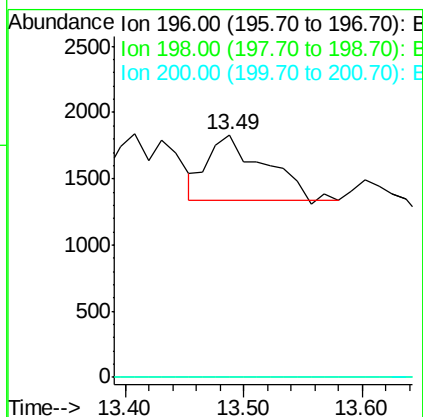
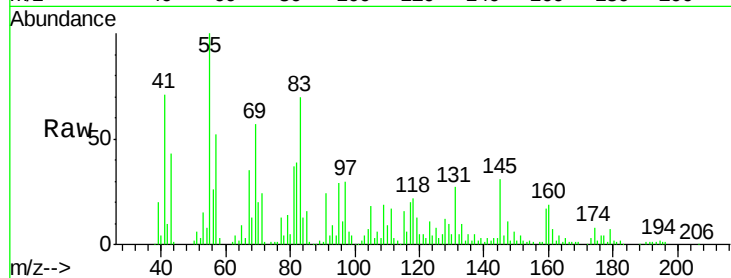




#42
 2,4,6-Trichlorophenol
 Concen: 46.25 ng
 RT: 13.49 min Scan# 1085
 Delta R.T. -0.09 min
 Lab File: BF081731.D
 Acq: 22 Sep 2015 3:14

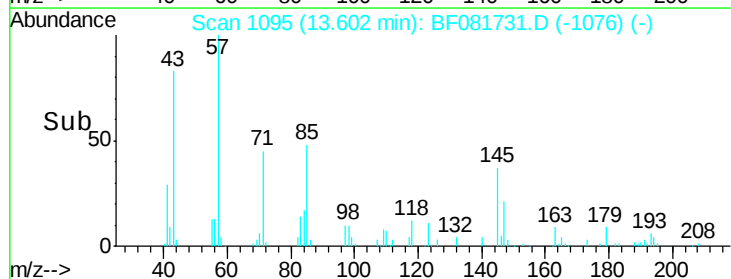
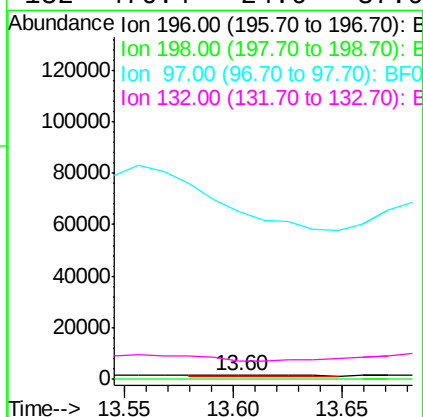
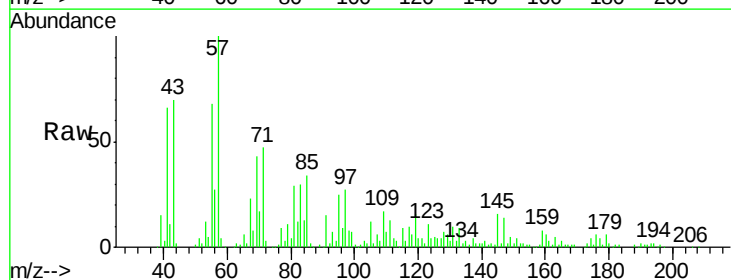
Instrument :
 BNA_F
 ClientSampled :
 TRENCH-1-2

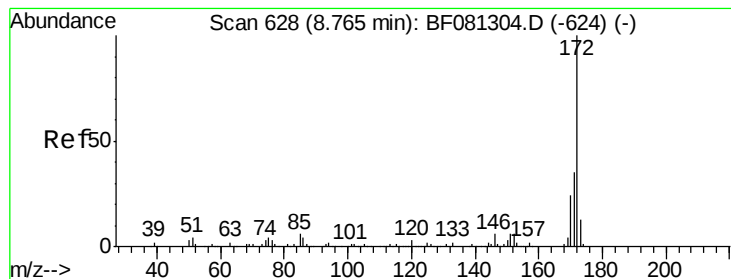
Tot Ion:196 Resp: 1613
 Ion Ratio Lower Upper
 196 100
 198 0.0 75.7 113.5#
 200 0.0 23.9 35.9#



#43
 2,4,5-Trichlorophenol
 Concen: 17.31 ng
 RT: 13.60 min Scan# 1095
 Delta R.T. -0.08 min
 Lab File: BF081731.D
 Acq: 22 Sep 2015 3:14

Tgt Ion:196 Resp: 616
 Ion Ratio Lower Upper
 196 100
 198 0.0 75.4 113.0#
 97 4369.6 33.3 49.9#
 132 476.4 24.6 37.0#





#44

2-Fluorobiphenyl

Concen: 2445.51 ng

RT: 13.83 min Scan# 1115

Delta R.T. 0.06 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2

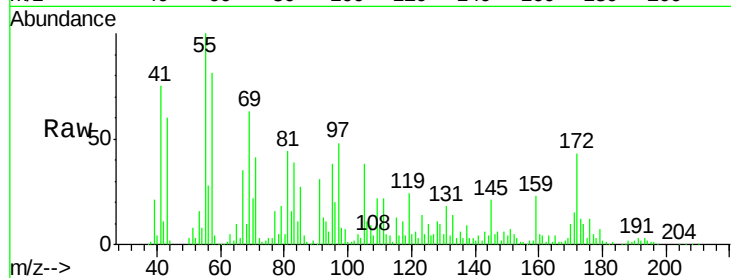
Tot Ion:172 Resp: 304953

Ion Ratio Lower Upper

172 100

171 35.1 26.1 39.1

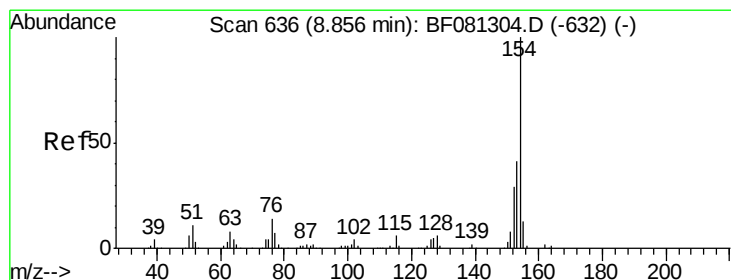
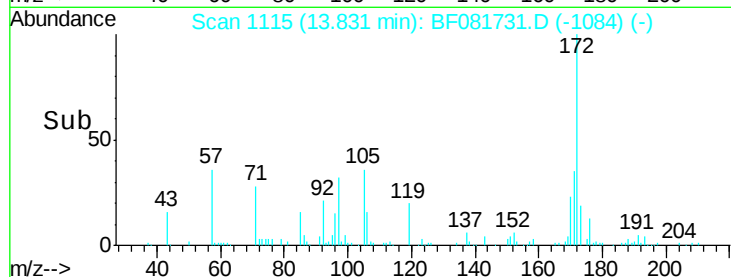
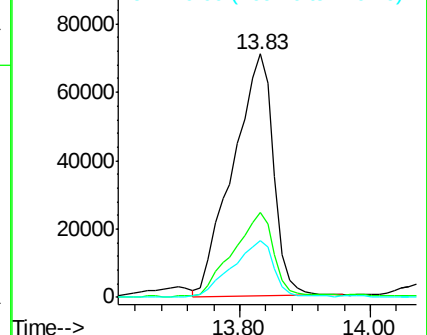
170 23.4 17.4 26.2



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: 5621.79 ng

RT: 14.07 min Scan# 1136

Delta R.T. 0.10 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

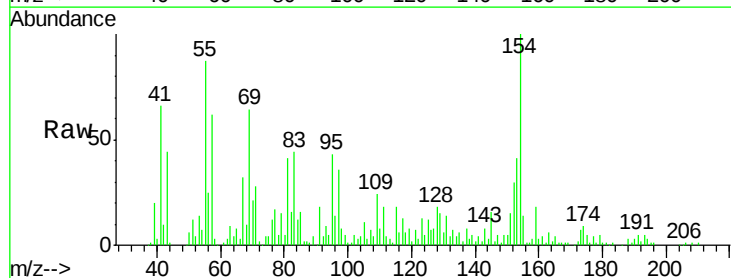
Tgt Ion:154 Resp: 826500

Ion Ratio Lower Upper

154 100

153 40.7 17.1 57.1

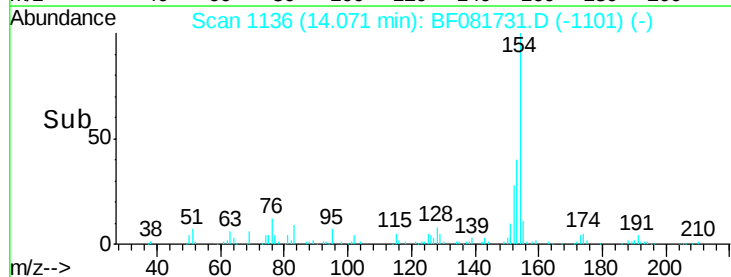
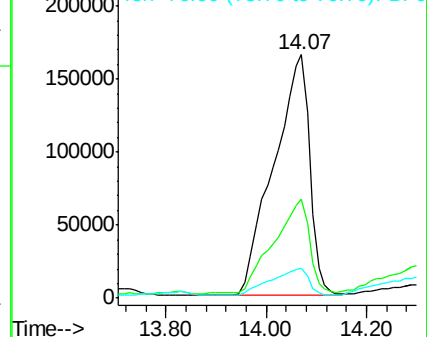
76 12.5 0.0 31.6

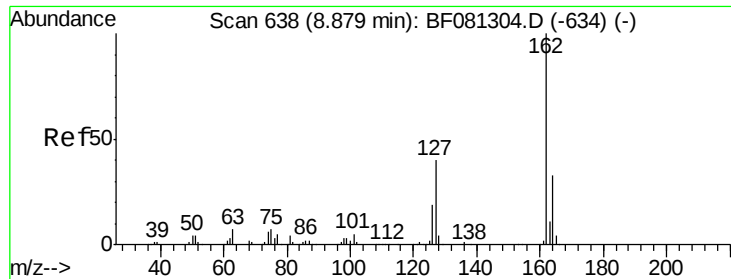


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

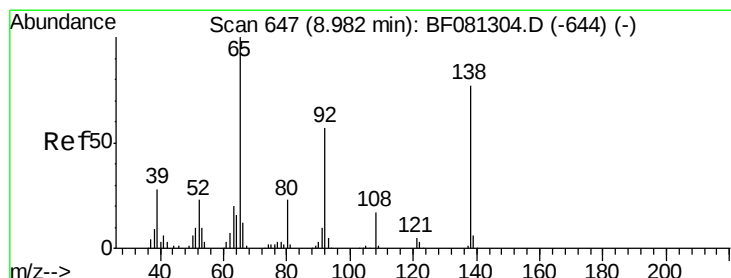
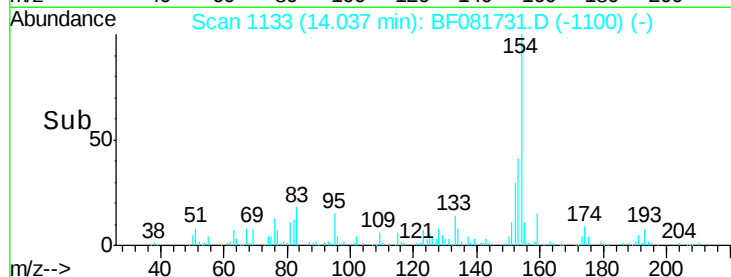
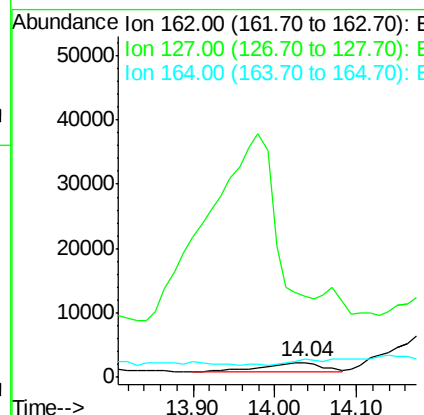
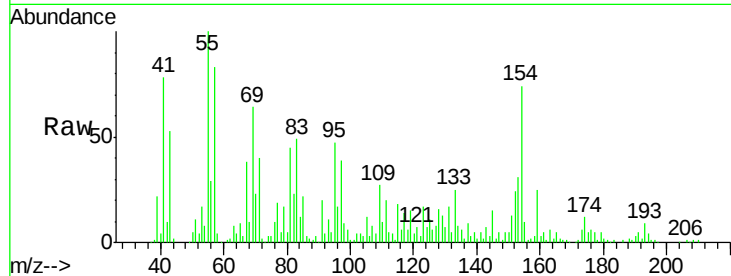




#46
2-Chloronaphthalene
Concen: 73.78 ng
RT: 14.04 min Scan# 1133
Delta R.T. 0.08 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

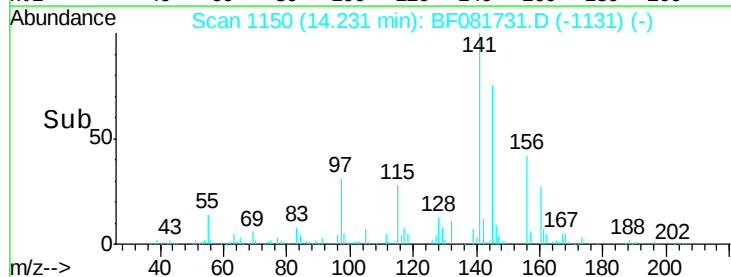
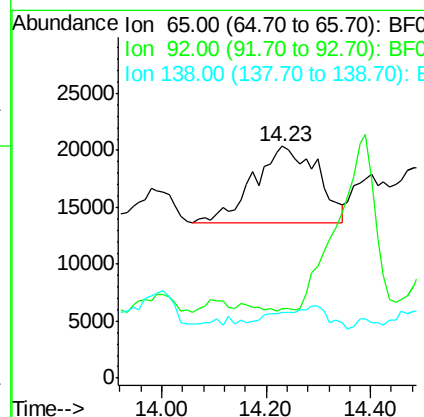
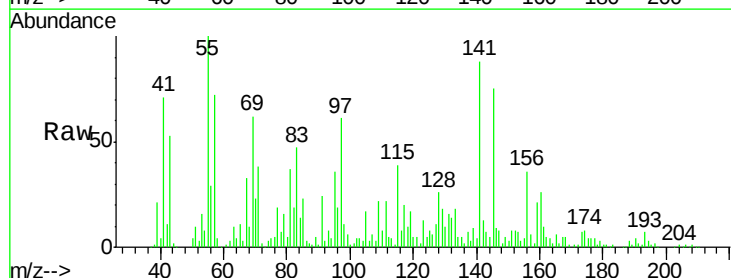
Instrument :
BNA_F
ClientSampleId :
TRENCH-1-2

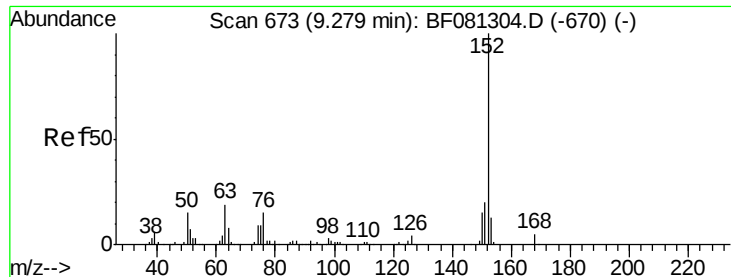
Tot Ion:162 Resp: 7833
Ion Ratio Lower Upper
162 100
127 541.3 27.6 41.4#
164 119.8 25.4 38.2#



#47
2-Nitroaniline
Concen: 1304.44 ng
RT: 14.23 min Scan# 1150
Delta R.T. -0.08 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

Tgt Ion: 65 Resp: 56444
Ion Ratio Lower Upper
65 100
92 29.8 55.4 83.0#
138 28.2 115.5 173.3#





#48

Acenaphthylene

Concen: 942.60 ng

RT: 14.92 min Scan# 1210

Delta R.T. 0.00 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2

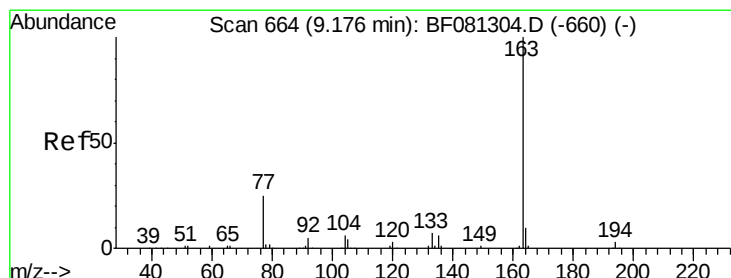
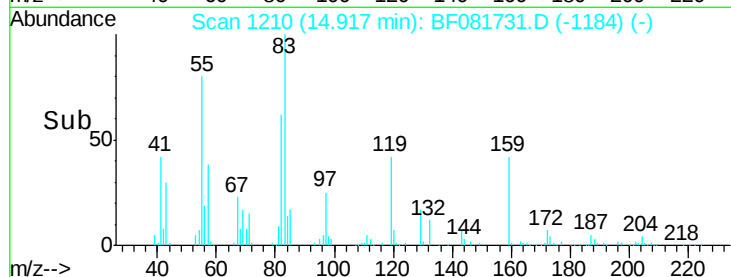
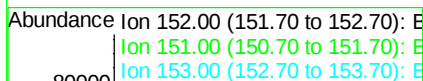
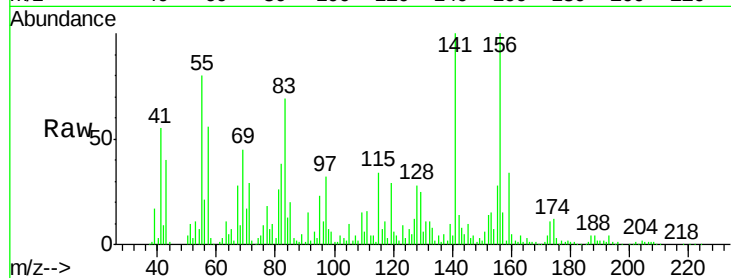
Tot Ion:152 Resp: 177541

Ion Ratio Lower Upper

152 100

151 45.5 14.6 22.0#

153 108.7 10.3 15.5#



#49

Dimethylphthalate

Concen: 73.56 ng

RT: 14.77 min Scan# 1197

Delta R.T. -0.09 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

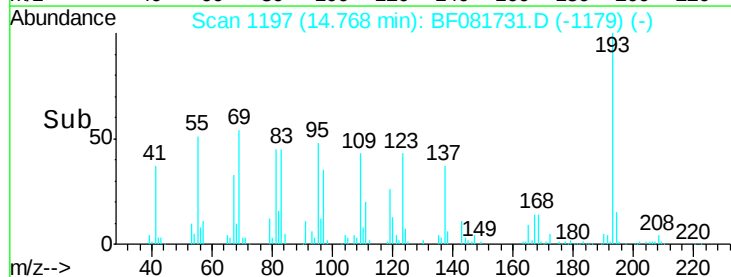
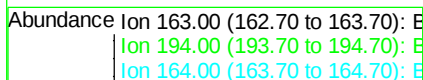
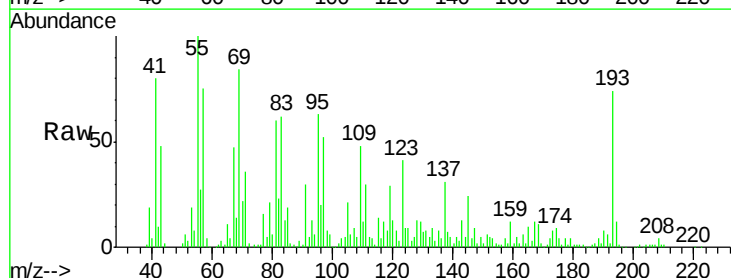
Tgt Ion:163 Resp: 9133

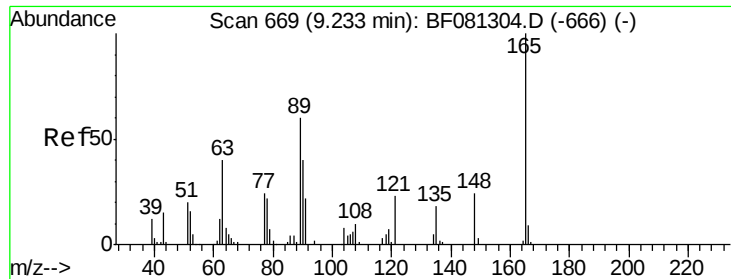
Ion Ratio Lower Upper

163 100

194 210.0 4.4 6.6#

164 42.8 8.3 12.5#





#50

2,6-Dinitrotoluene

Concen: 95.11 ng

RT: 14.89 min Scan# 1208

Delta R.T. -0.06 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2

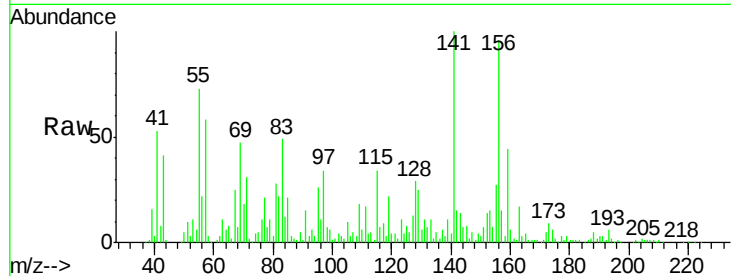
Tot Ion:165 Resp: 2680

Ion Ratio Lower Upper

165 100

63 285.2 32.3 48.5#

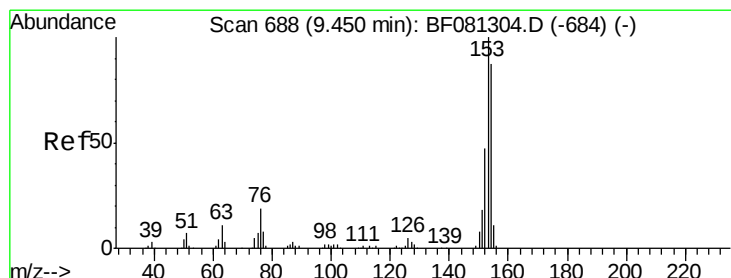
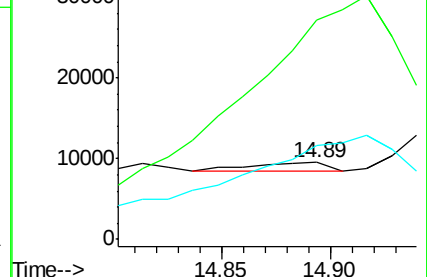
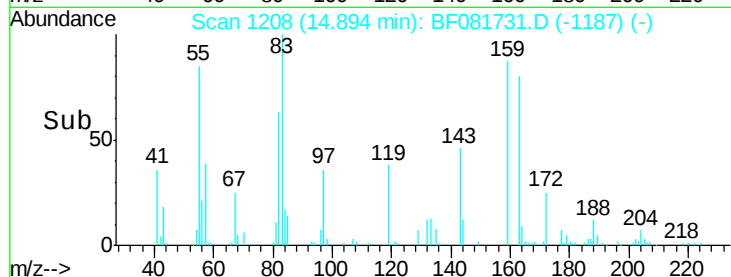
89 121.1 28.6 43.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51

Acenaphthene

Concen: 99.05 ng

RT: 15.21 min Scan# 1236

Delta R.T. -0.12 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

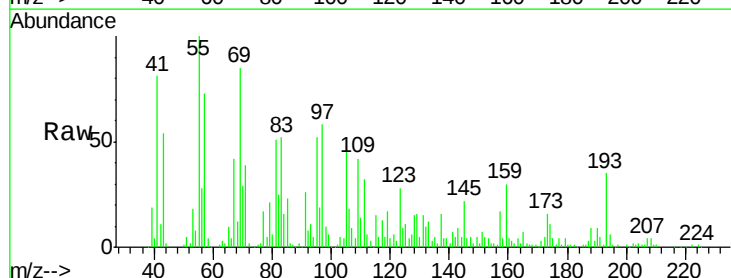
Tgt Ion:154 Resp: 10613

Ion Ratio Lower Upper

154 100

153 183.3 82.1 123.1#

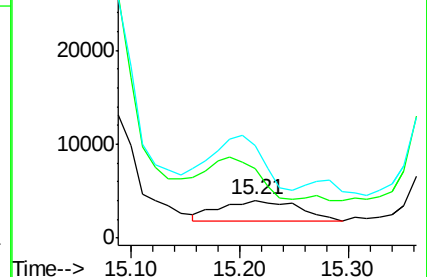
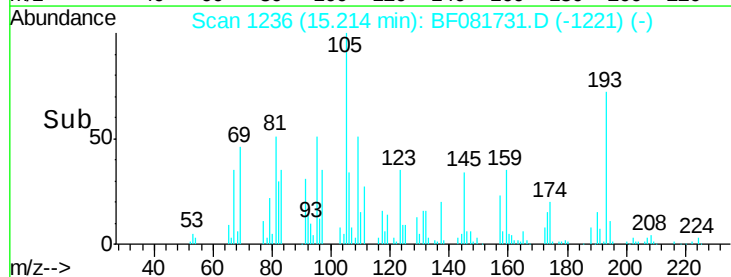
152 245.6 37.9 56.9#

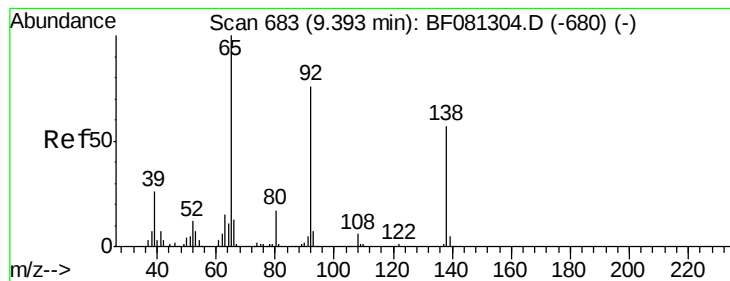


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 481.64 ng

RT: 15.20 min Scan# 1235

Delta R.T. -0.11 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2

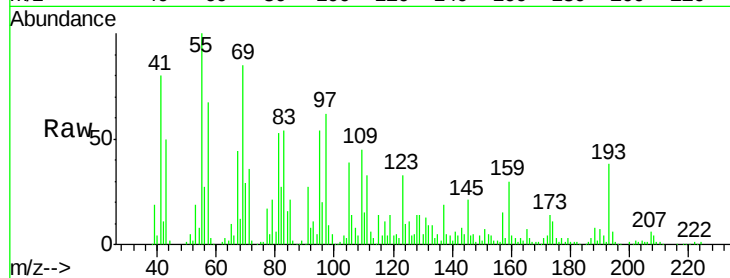
Tot Ion:138 Resp: 15451

Ion Ratio Lower Upper

138 100

108 88.9 5.7 8.5#

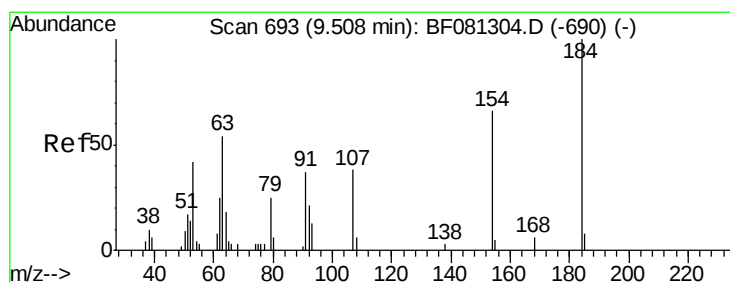
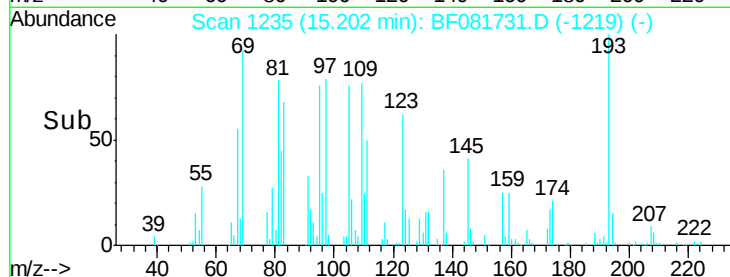
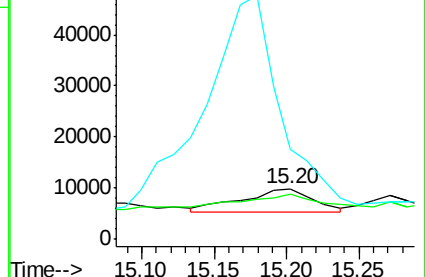
92 178.3 67.7 101.5#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#53

2,4-Dinitrophenol

Concen: 72.63 ng

RT: 15.50 min Scan# 1261

Delta R.T. -0.09 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

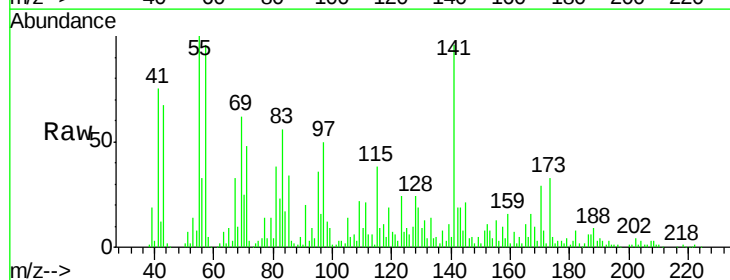
Tgt Ion:184 Resp: 1035

Ion Ratio Lower Upper

184 100

63 2940.0 35.4 53.2#

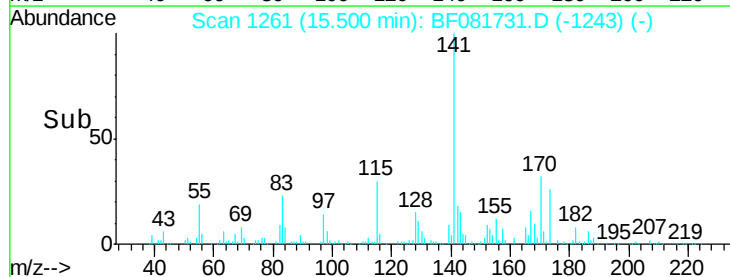
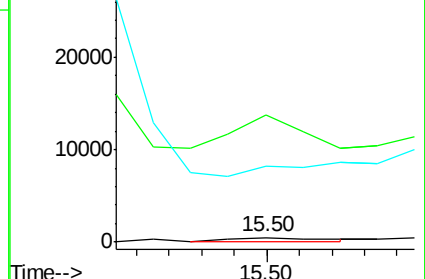
154 1767.3 32.2 48.4#

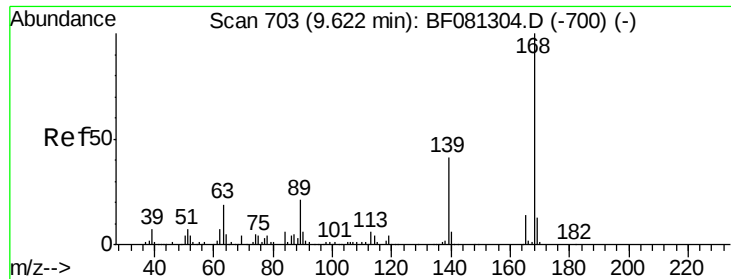


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 94.51 ng

RT: 15.71 min Scan# 1279

Delta R.T. -0.06 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2

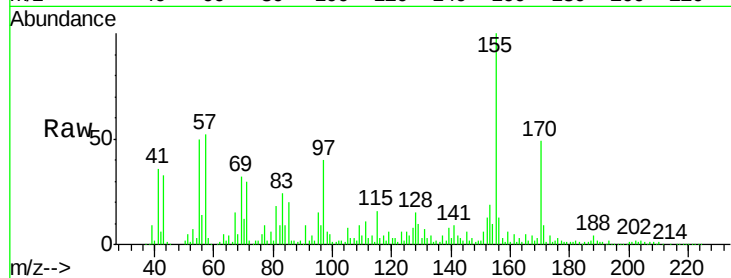
Tot Ion:168 Resp: 14787

Ion Ratio Lower Upper

168 100

139 404.4 24.2 36.2#

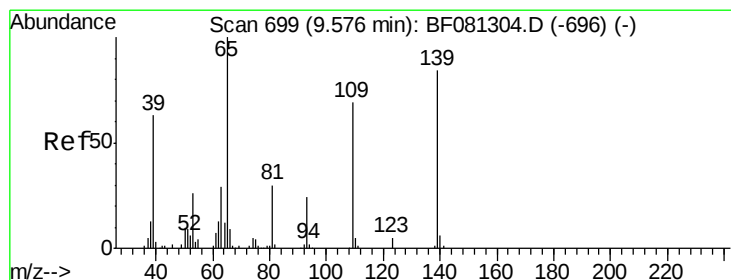
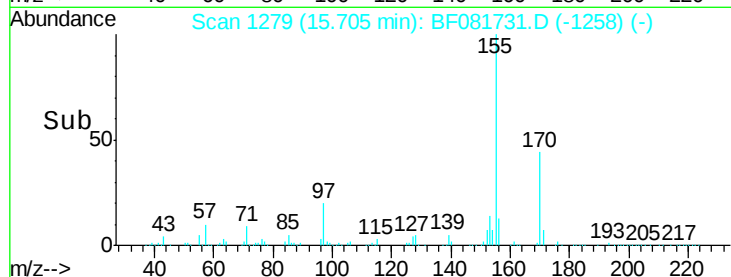
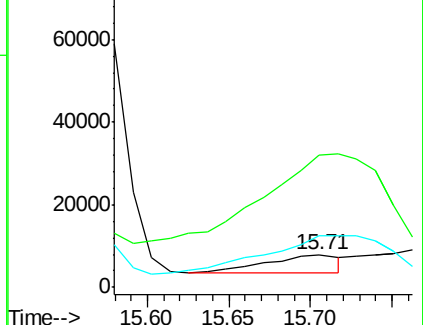
169 155.8 10.6 15.8#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 3952.81 ng

RT: 15.88 min Scan# 1294

Delta R.T. -0.04 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

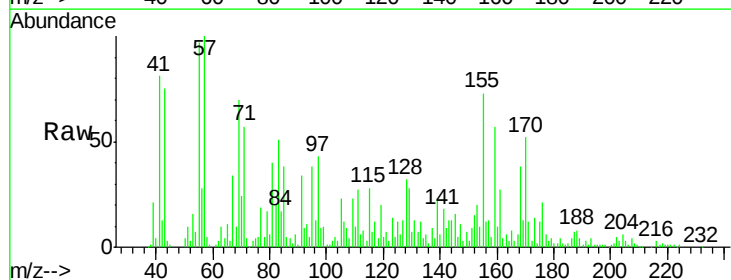
Tgt Ion:139 Resp: 79665

Ion Ratio Lower Upper

139 100

109 99.5 12.7 52.7#

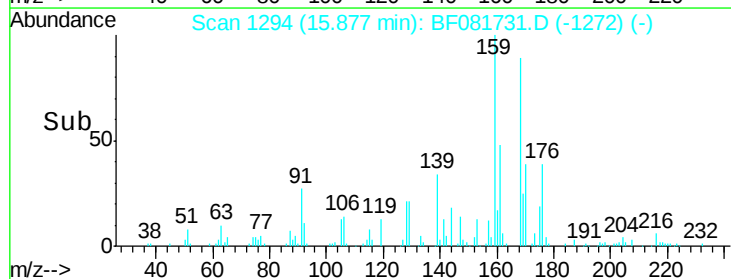
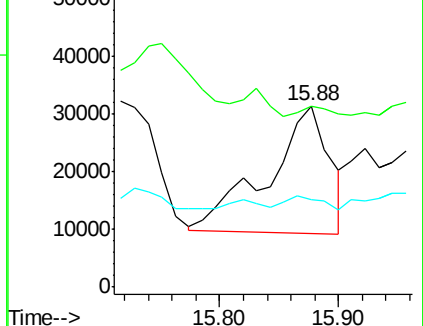
65 48.4 45.9 85.9

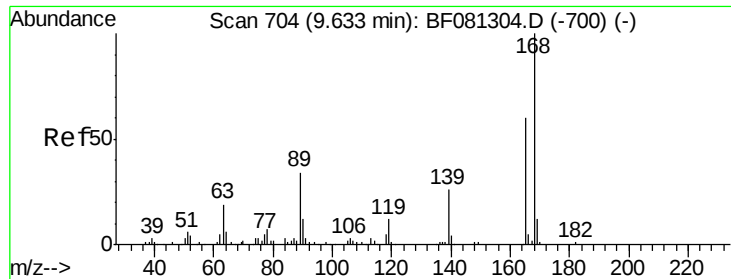


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

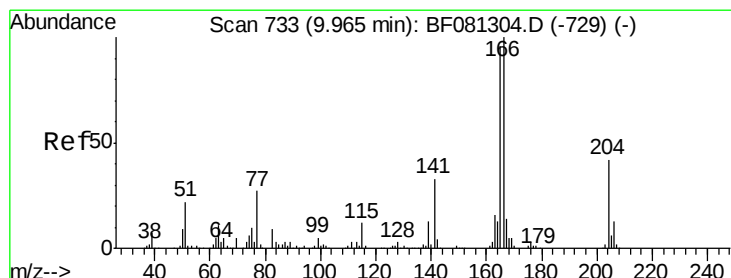
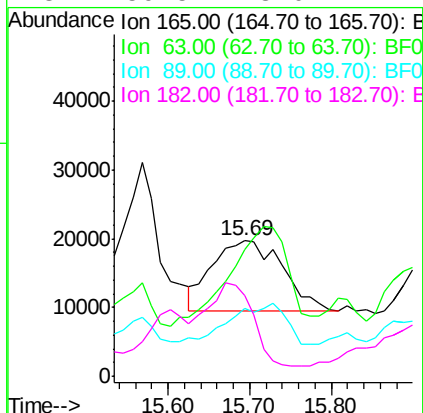
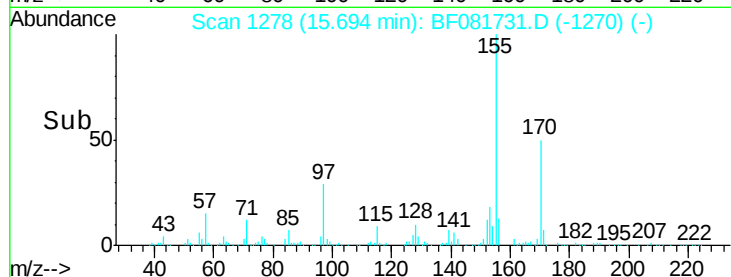
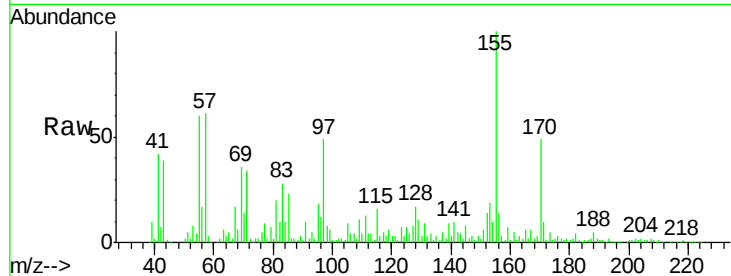




#56
2,4-Dinitrotoluene
Concen: 1723.55 ng
RT: 15.69 min Scan# 1278
Delta R.T. -0.20 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

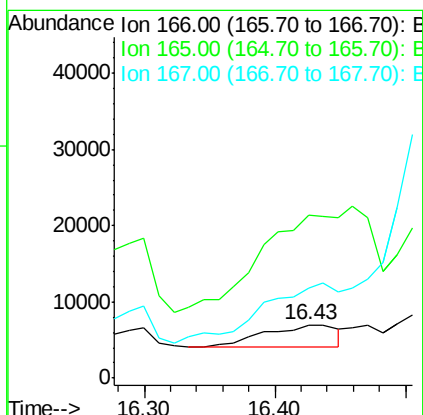
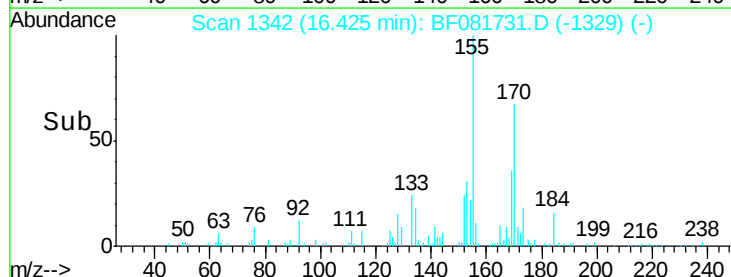
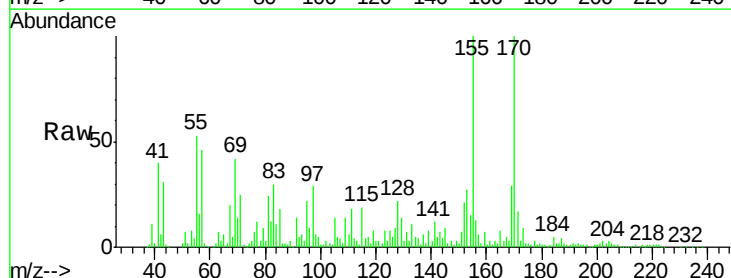
Instrument :
BNA_F
ClientSampleId :
TRENCH-1-2

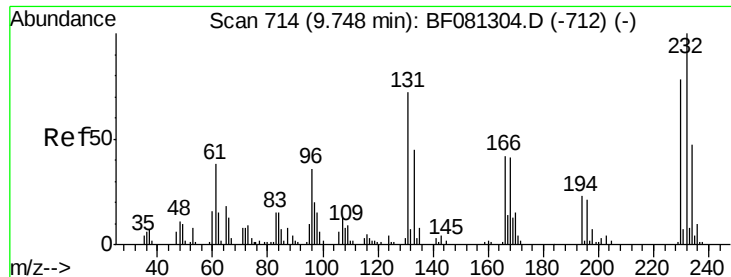
Tot Ion:165 Resp: 61842
Ion Ratio Lower Upper
165 100
63 93.9 29.8 44.6#
89 50.4 44.5 66.7
182 59.5 3.0 4.4#



#57
Fluorene
Concen: 98.02 ng
RT: 16.43 min Scan# 1342
Delta R.T. -0.15 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

Tgt Ion:166 Resp: 11638
Ion Ratio Lower Upper
166 100
165 306.8 72.6 109.0#
167 168.8 10.6 16.0#

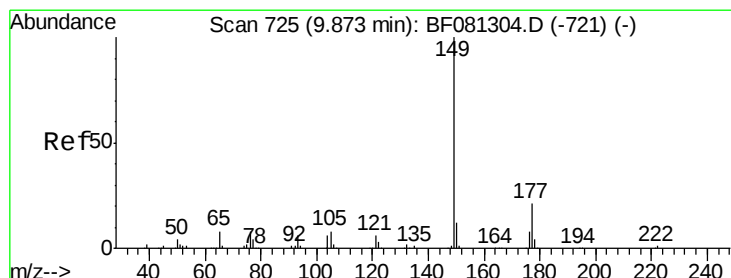
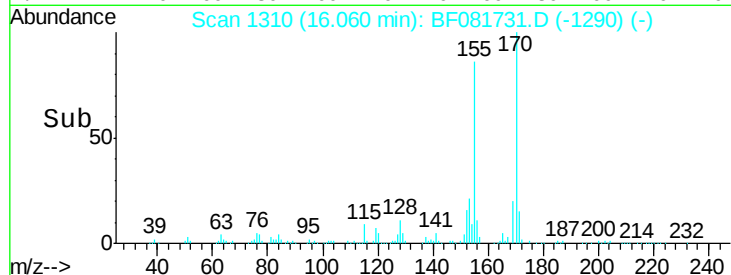
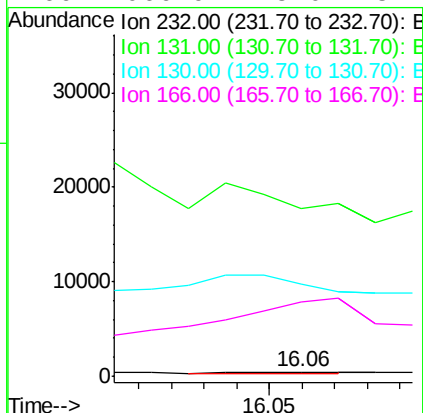
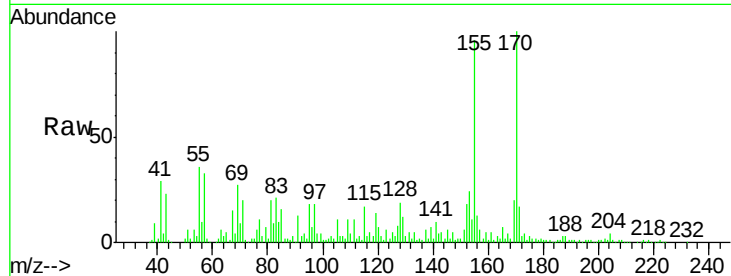




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 9.24 ng
 RT: 16.06 min Scan# 1310
 Delta R.T. -0.07 min
 Lab File: BF081731.D
 Acq: 22 Sep 2015 3:14

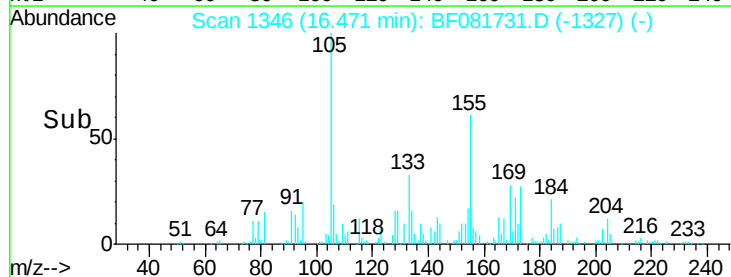
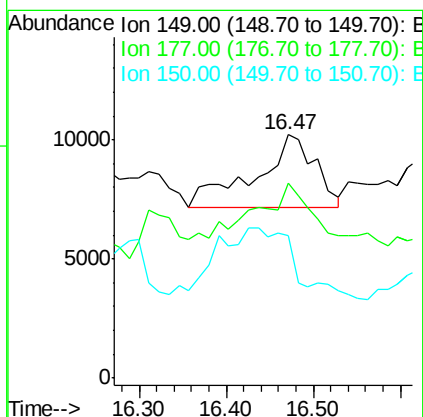
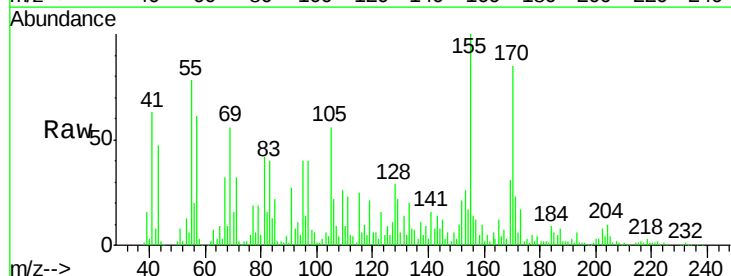
Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-2

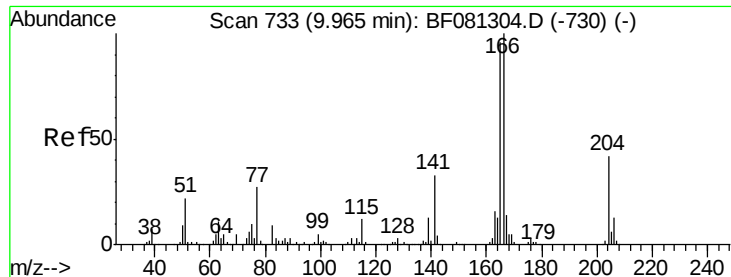
Tot Ion:232 Resp: 251
 Ion Ratio Lower Upper
 232 100
 131 0.0 38.5 57.7#
 130 0.0 1.8 2.6#
 166 7066.9 25.0 37.6#



#59
 Diethylphthalate
 Concen: 112.83 ng
 RT: 16.47 min Scan# 1346
 Delta R.T. -0.08 min
 Lab File: BF081731.D
 Acq: 22 Sep 2015 3:14

Tgt Ion:149 Resp: 14736
 Ion Ratio Lower Upper
 149 100
 177 80.3 17.5 26.3#
 150 58.5 9.4 14.2#





#60

4-Chlorophenyl-phenylether

Concen: 169.47 ng

RT: 16.54 min Scan# 1352

Delta R.T. -0.12 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2

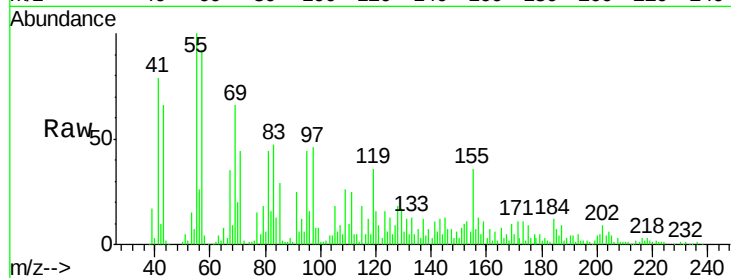
Tot Ion:204 Resp: 9378

Ion Ratio Lower Upper

204 100

206 20.7 24.8 37.2#

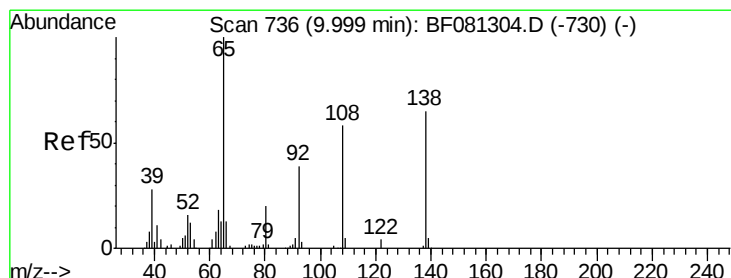
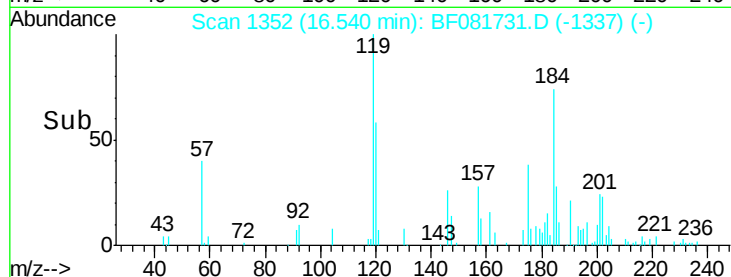
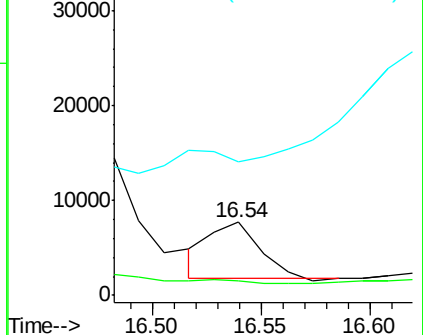
141 181.9 42.2 63.4#



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#61

4-Nitroaniline

Concen: 207.03 ng

RT: 16.67 min Scan# 1363

Delta R.T. -0.11 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

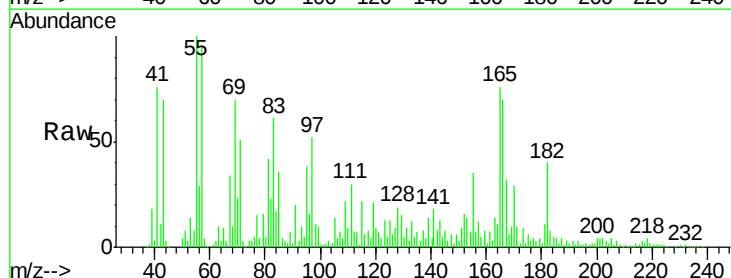
Tgt Ion:138 Resp: 6710

Ion Ratio Lower Upper

138 100

92 81.8 12.6 52.6#

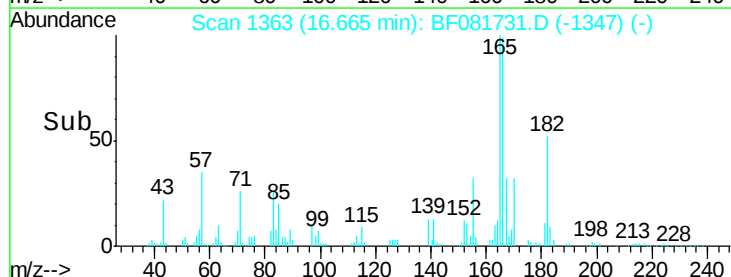
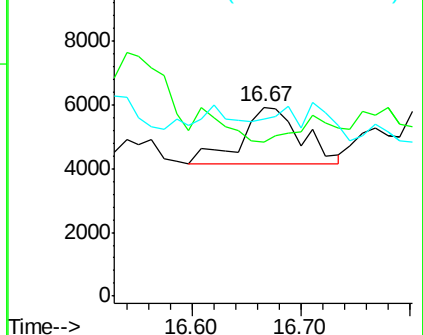
108 93.8 12.4 52.4#

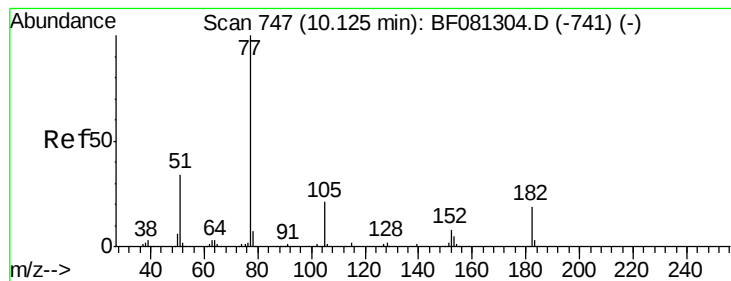


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 68.65 ng

RT: 17.01 min Scan# 1393

Delta R.T. -0.02 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Instrument :

BNA_F

ClientSampled :

TRENCH-1-2

Tot Ion: 77 Resp: 9968

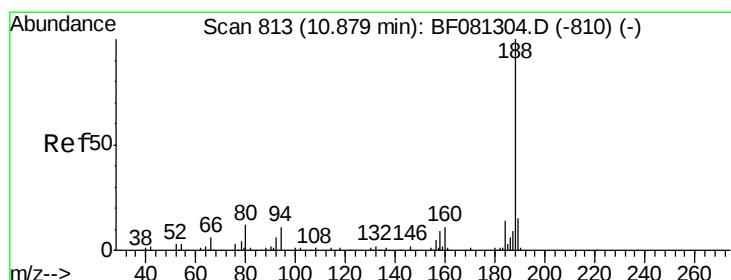
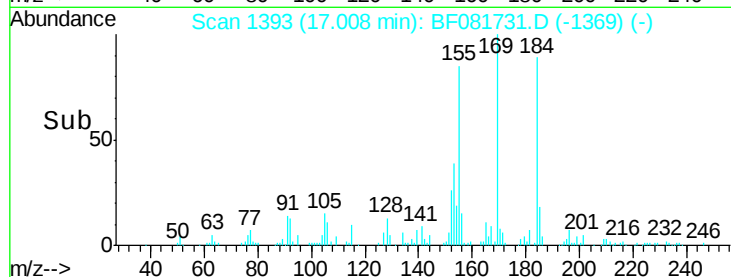
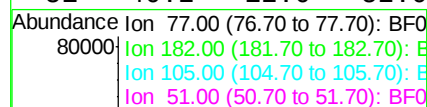
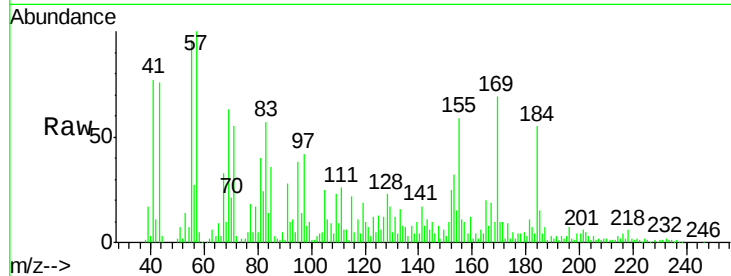
Ion Ratio Lower Upper

77 100

182 37.6 15.1 55.1

105 143.8 3.4 43.4#

51 40.2 12.0 52.0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.85 min Scan# 1554

Delta R.T. 0.09 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

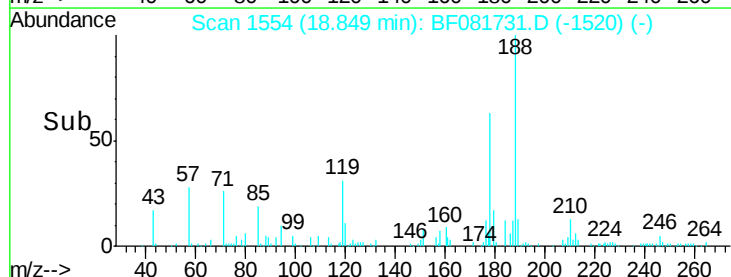
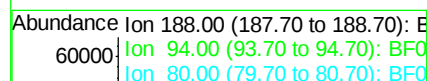
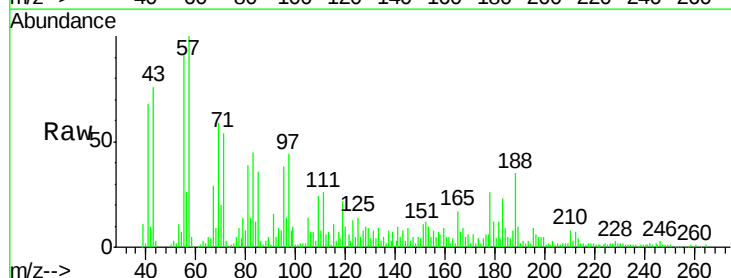
Tgt Ion: 188 Resp: 100330

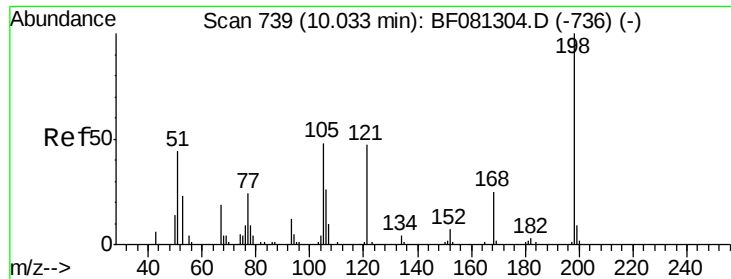
Ion Ratio Lower Upper

188 100

94 21.8 11.1 16.7#

80 21.3 11.0 16.4#

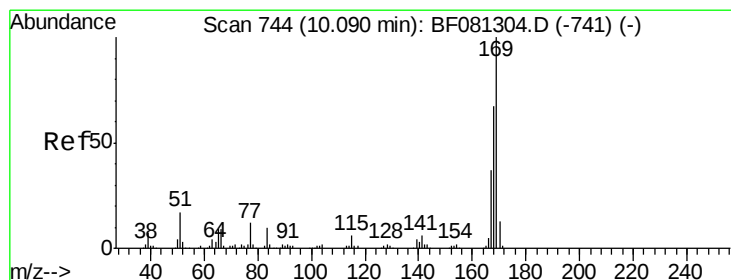
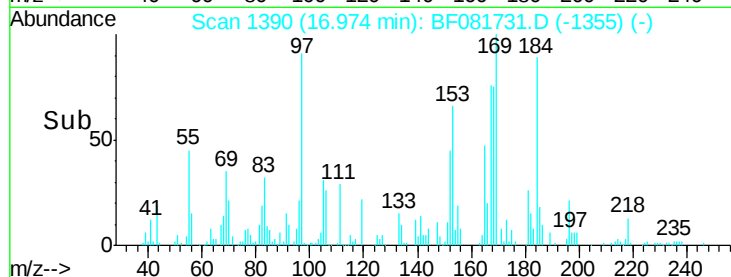
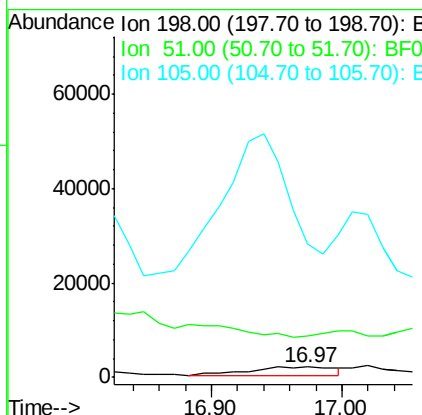
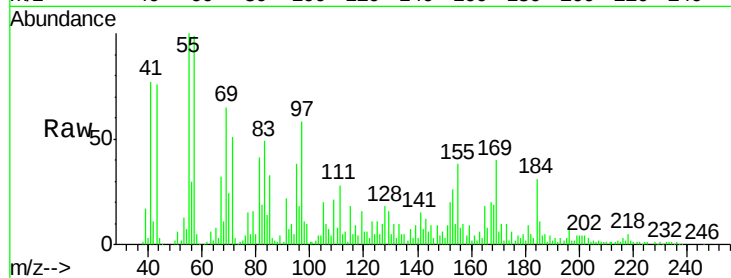




#64
 4,6-Dinitro-2-methylphenol
 Concen: 14.03 ng
 RT: 16.97 min Scan# 1390
 Delta R.T. 0.10 min
 Lab File: BF081731.D
 Acq: 22 Sep 2015 3:14

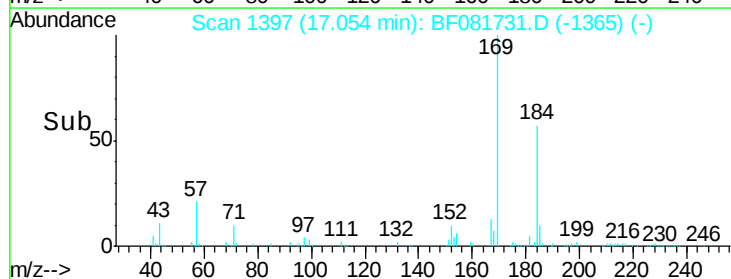
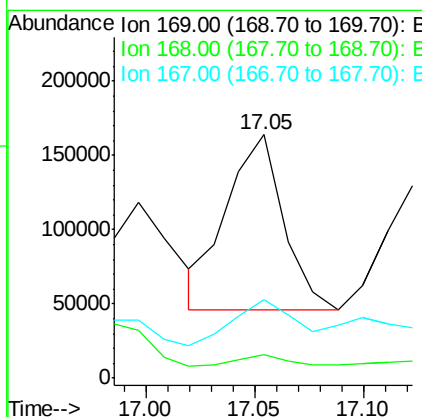
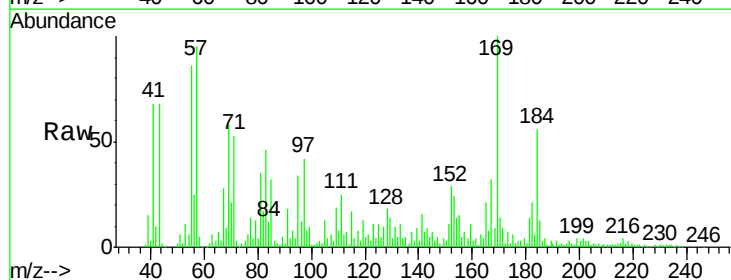
Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-2

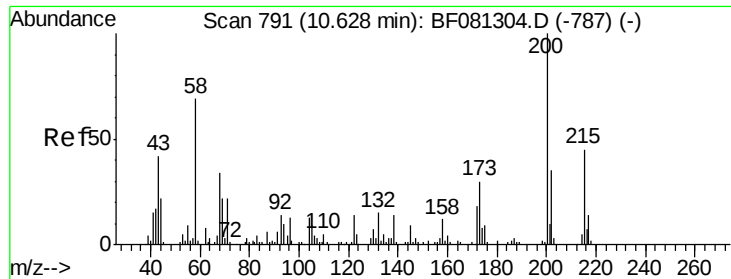
Tot Ion:198 Resp: 7874
 Ion Ratio Lower Upper
 198 100
 51 396.6 39.6 79.6#
 105 1290.8 28.5 68.5#



#65
 n-Nitrosodiphenylamine
 Concen: 58.61 ng
 RT: 17.05 min Scan# 1397
 Delta R.T. 0.07 min
 Lab File: BF081731.D
 Acq: 22 Sep 2015 3:14

Tgt Ion:169 Resp: 213991
 Ion Ratio Lower Upper
 169 100
 168 9.4 48.9 73.3#
 167 32.0 26.2 39.4





#68

Atrazine

Concen: 8.27 ng

RT: 18.51 min Scan# 1524

Delta R.T. 0.10 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2

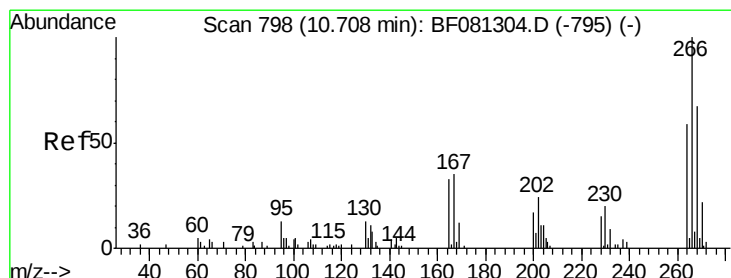
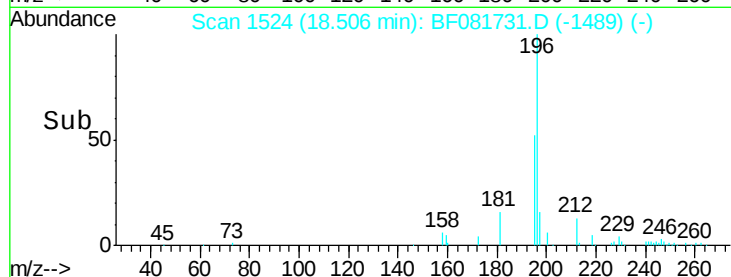
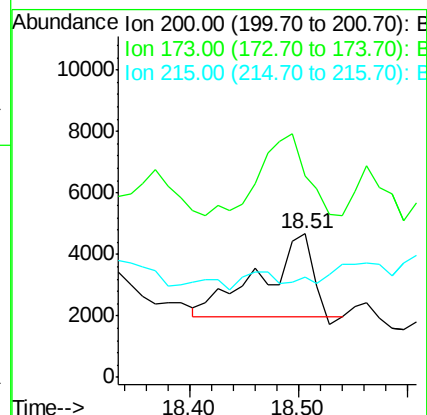
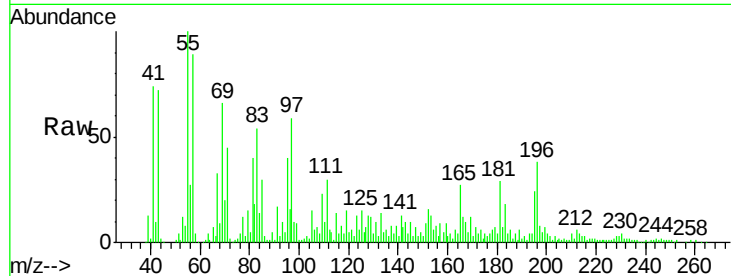
Tot Ion:200 Resp: 8733

Ion Ratio Lower Upper

200 100

173 141.0 13.2 53.2#

215 70.4 41.8 81.8



#69

Pentachlorophenol

Concen: 9.11 ng

RT: 18.32 min Scan# 1508

Delta R.T. -0.08 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

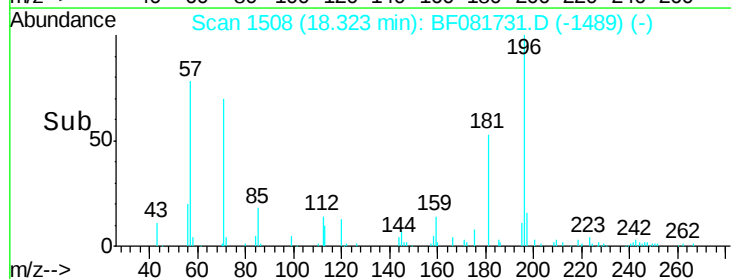
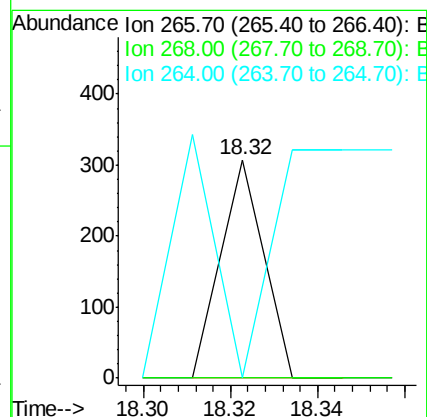
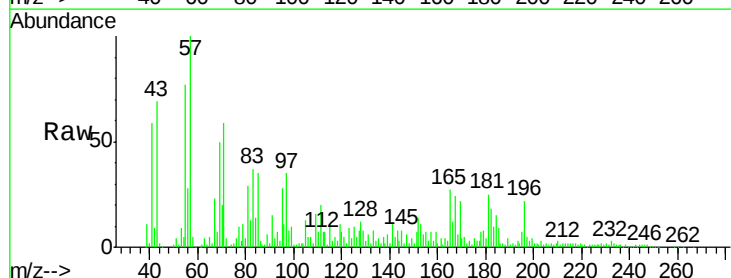
Tgt Ion:266 Resp: 211

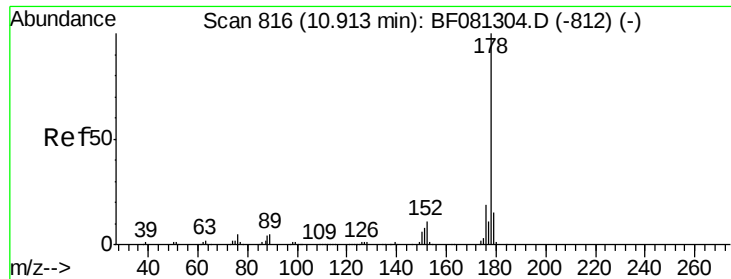
Ion Ratio Lower Upper

266 100

268 0.0 49.8 74.6#

264 0.0 50.2 75.2#

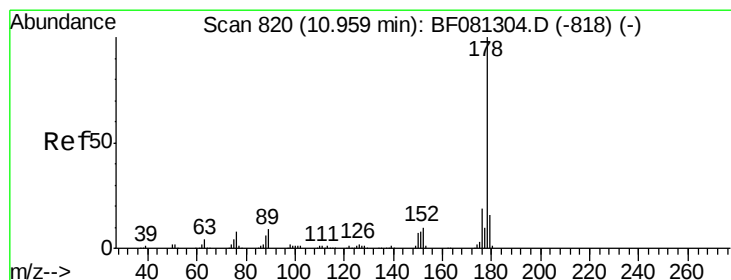
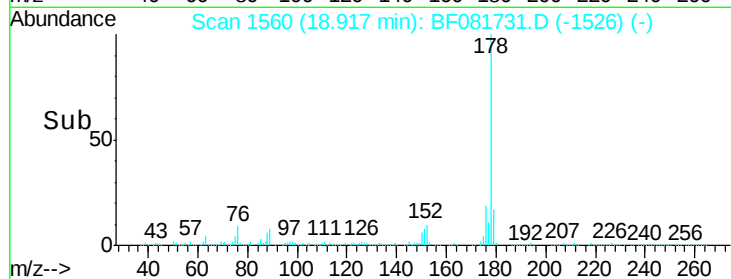
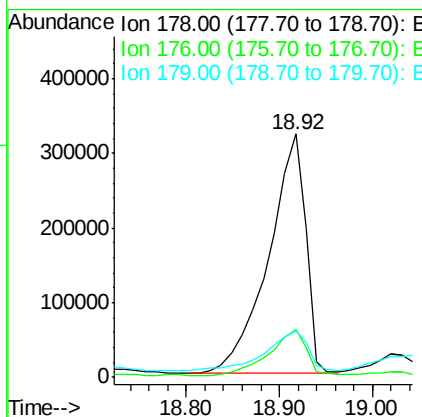
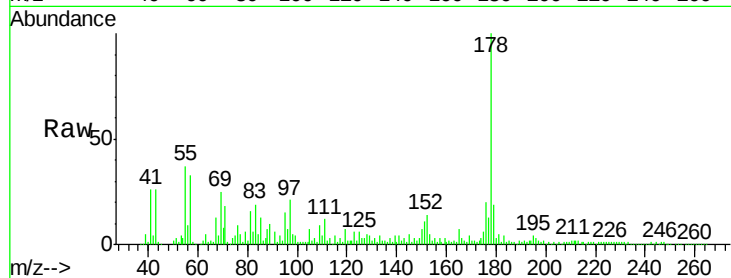




#70
Phenanthrene
Concen: 159.07 ng
RT: 18.92 min Scan# 1560
Delta R.T. 0.09 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

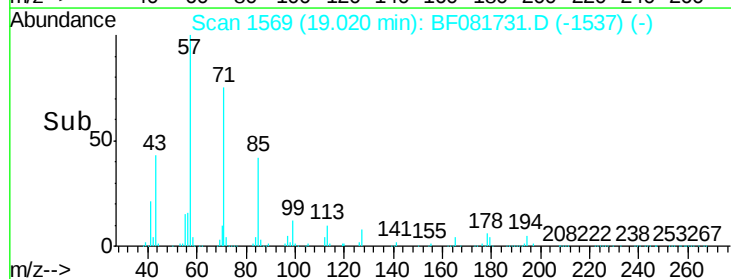
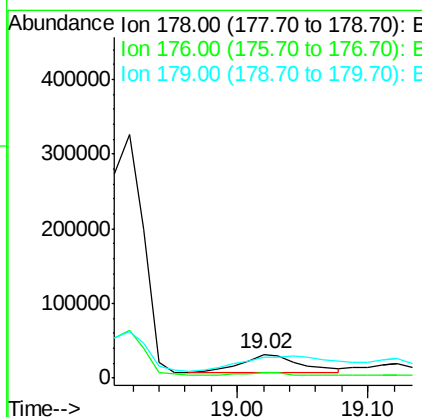
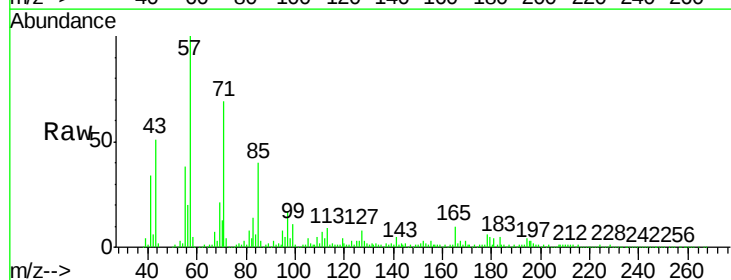
Instrument :
BNA_F
ClientSampleId :
TRENCH-1-2

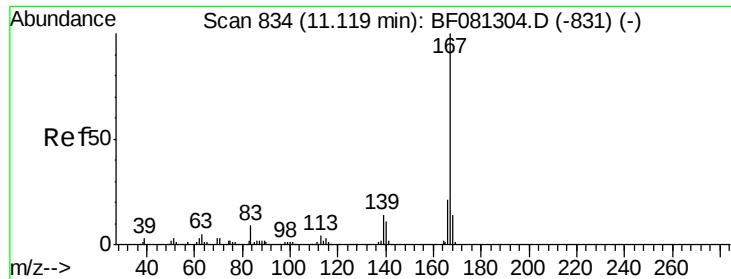
Tot Ion:178 Resp: 887252
Ion Ratio Lower Upper
178 100
176 19.7 13.8 20.8
179 19.1 12.2 18.2#



#71
Anthracene
Concen: 14.35 ng
RT: 19.02 min Scan# 1569
Delta R.T. 0.07 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

Tgt Ion:178 Resp: 82226
Ion Ratio Lower Upper
178 100
176 22.0 14.1 21.1#
179 85.0 12.2 18.2#





#72

Carbazole

Concen: 3.10 ng

RT: 19.45 min Scan# 1607

Delta R.T. 0.04 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2

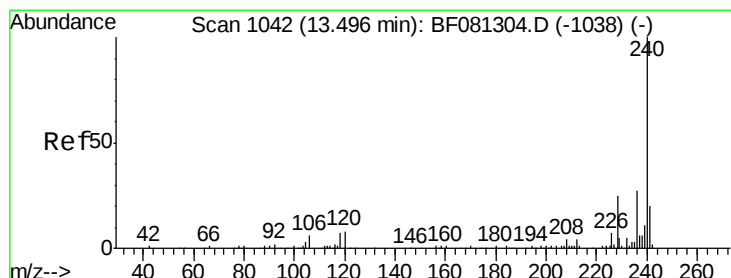
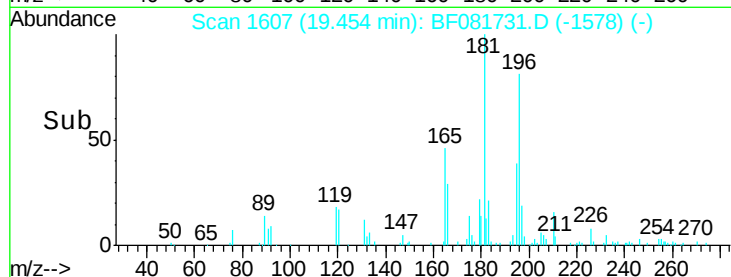
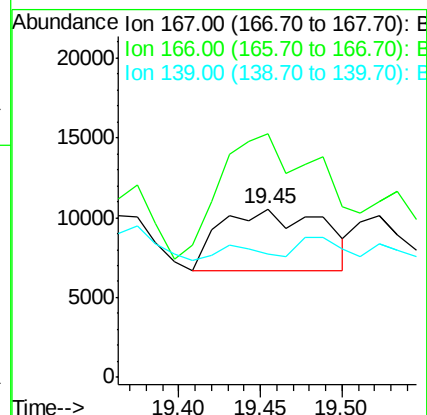
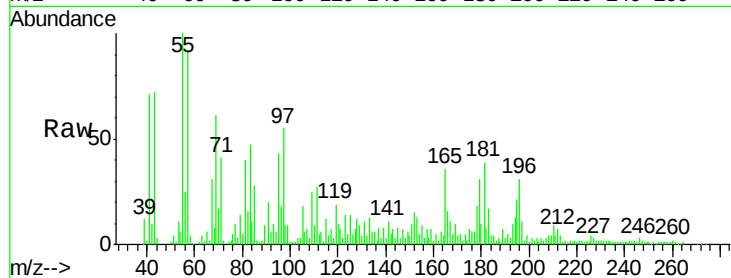
Tot Ion:167 Resp: 16679

Ion Ratio Lower Upper

167 100

166 144.4 15.7 23.5#

139 73.3 9.5 14.3#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 23.36 min Scan# 1949

Delta R.T. -0.02 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

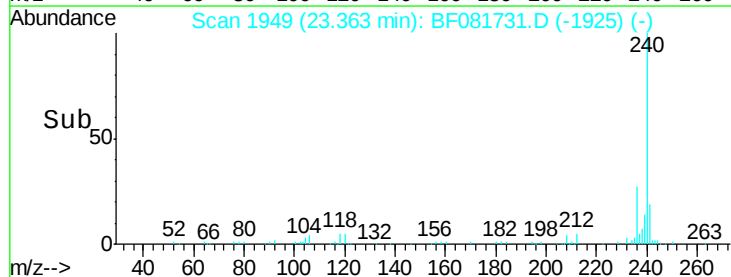
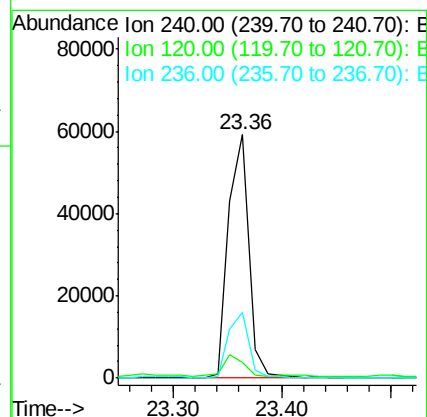
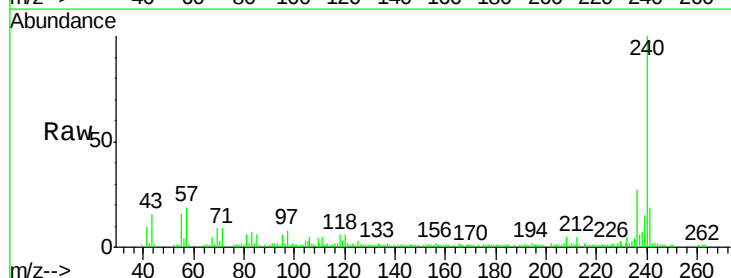
Tgt Ion:240 Resp: 77413

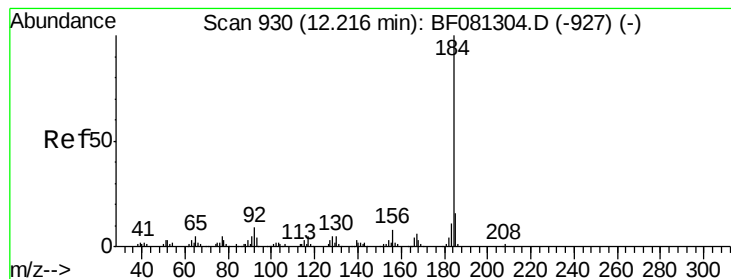
Ion Ratio Lower Upper

240 100

120 6.5 16.2 24.2#

236 27.2 18.4 27.6





#76

Benzidine

Concen: 2.27 ng

RT: 21.74 min Scan# 1807

Delta R.T. 0.00 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2

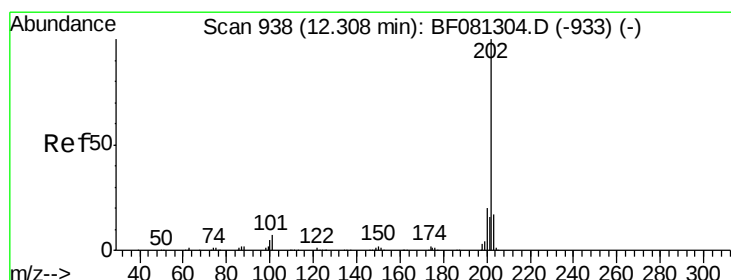
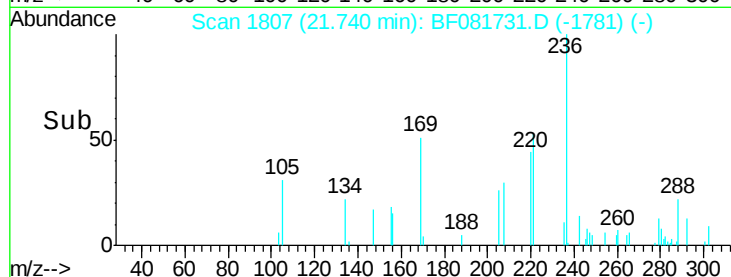
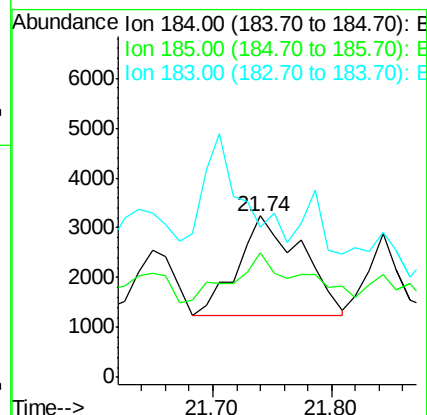
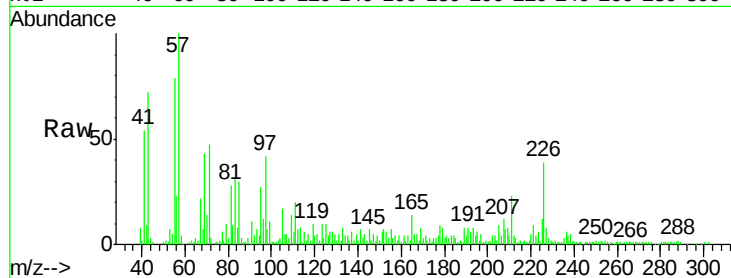
Tot Ion:184 Resp: 7549

Ion Ratio Lower Upper

184 100

185 77.3 11.8 17.6#

183 93.0 7.6 11.4#



#77

Pyrene

Concen: 10.69 ng

RT: 21.79 min Scan# 1811

Delta R.T. 0.00 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

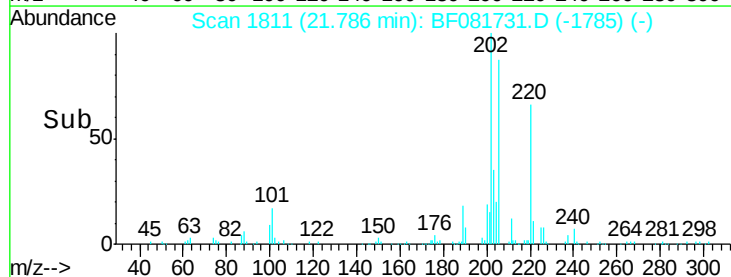
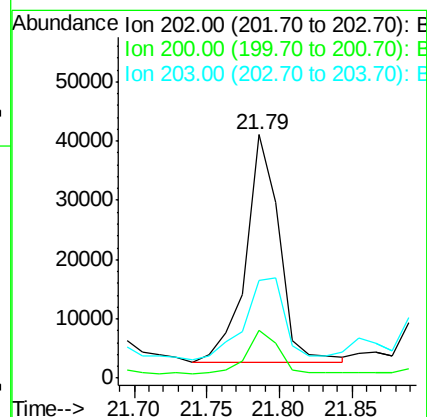
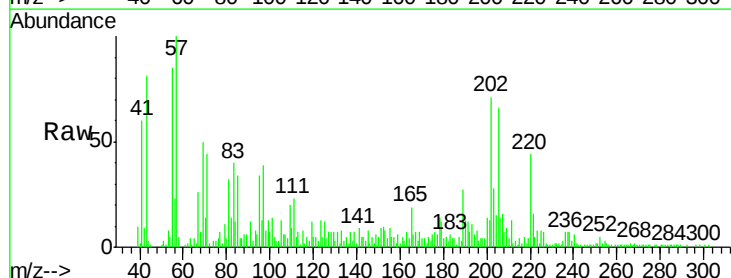
Tgt Ion:202 Resp: 61296

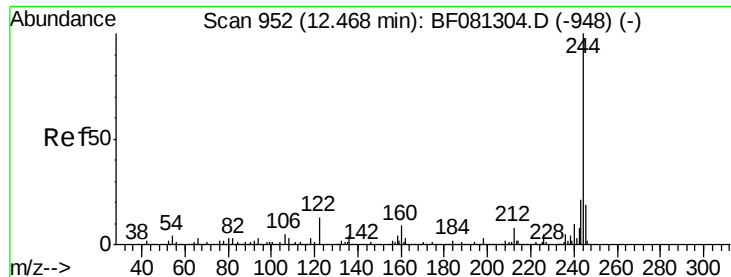
Ion Ratio Lower Upper

202 100

200 19.6 15.0 22.4

203 40.2 14.1 21.1#

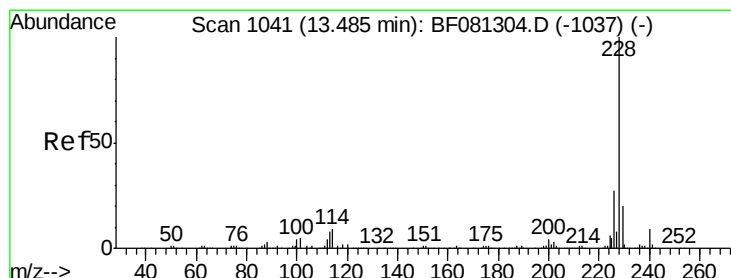
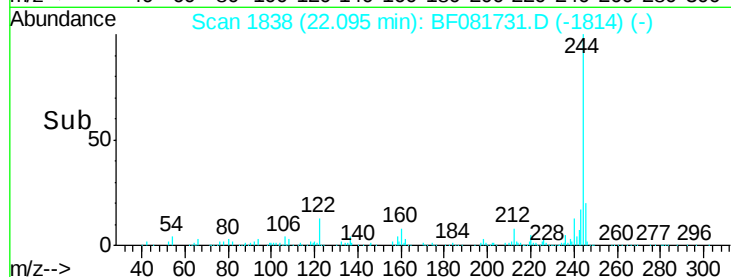
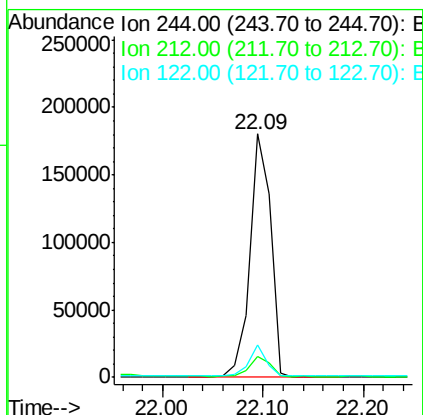
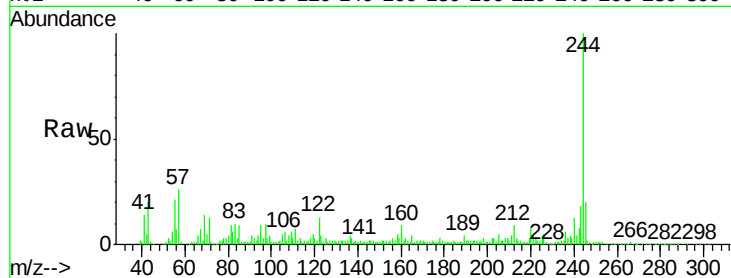




#78
 Terphenyl-d14
 Concen: 78.01 ng
 RT: 22.09 min Scan# 1838
 Delta R.T. -0.02 min
 Lab File: BF081731.D
 Acq: 22 Sep 2015 3:14

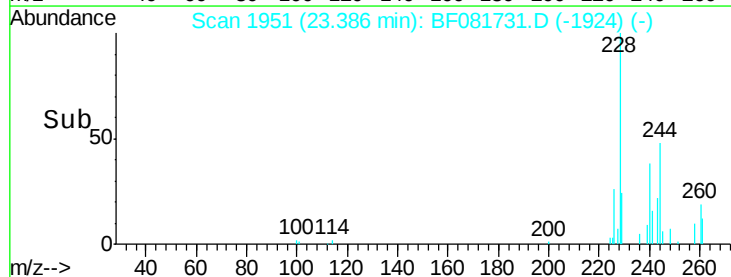
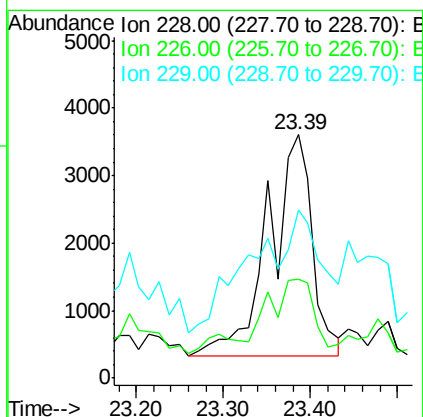
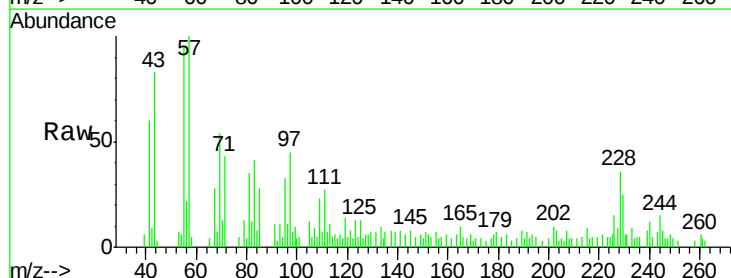
Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-2

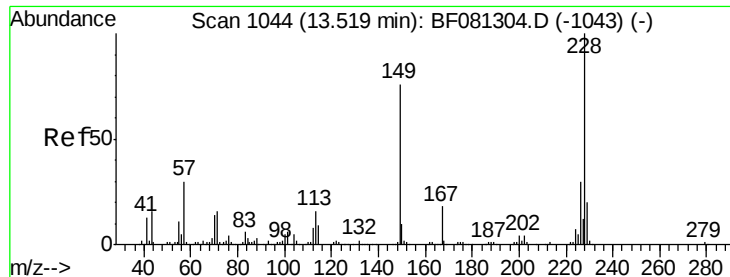
Tot Ion:244 Resp: 259434
 Ion Ratio Lower Upper
 244 100
 212 8.7 4.3 6.5#
 122 13.3 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 2.31 ng
 RT: 23.39 min Scan# 1951
 Delta R.T. 0.01 min
 Lab File: BF081731.D
 Acq: 22 Sep 2015 3:14

Tgt Ion:228 Resp: 11399
 Ion Ratio Lower Upper
 228 100
 226 40.8 20.0 30.0#
 229 69.1 15.4 23.2#

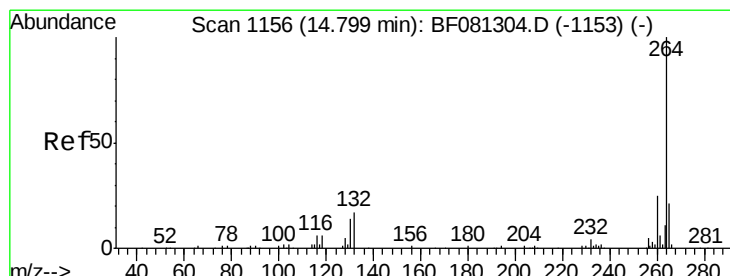
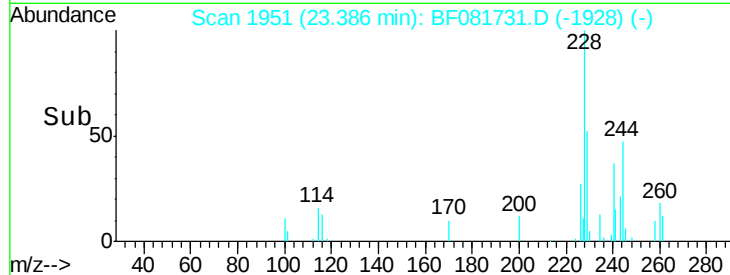
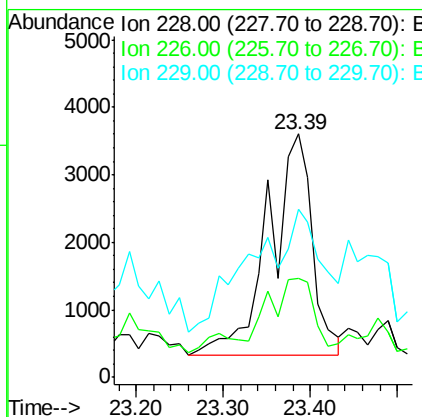
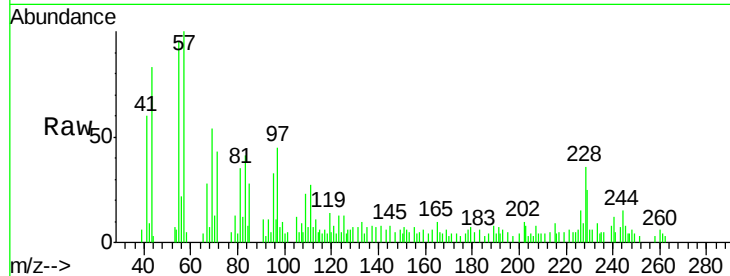




#82
Chrysene
Concen: 2.58 ng
RT: 23.39 min Scan# 1951
Delta R.T. -0.03 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

Instrument :
BNA_F
ClientSampleId :
TRENCH-1-2

Tot Ion:228	Resp:	11399
Ion Ratio	Lower	Upper
228	100	
226	40.8	21.0 31.4#
229	69.1	15.6 23.4#



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.79 min Scan# 2074
Delta R.T. -0.02 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

Tgt Ion:264	Resp:	67313
Ion Ratio	Lower	Upper
264	100	
260	24.9	16.7 25.1
265	22.7	17.2 25.8

