

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092215\
 Data File : BF081752.D
 Acq On : 22 Sep 2015 22:29
 Operator : UM/IZ
 Sample : G3747-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-2-1

Quant Time: Sep 23 01:01:30 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 17:42:58 2015
 Response via : Initial Calibration

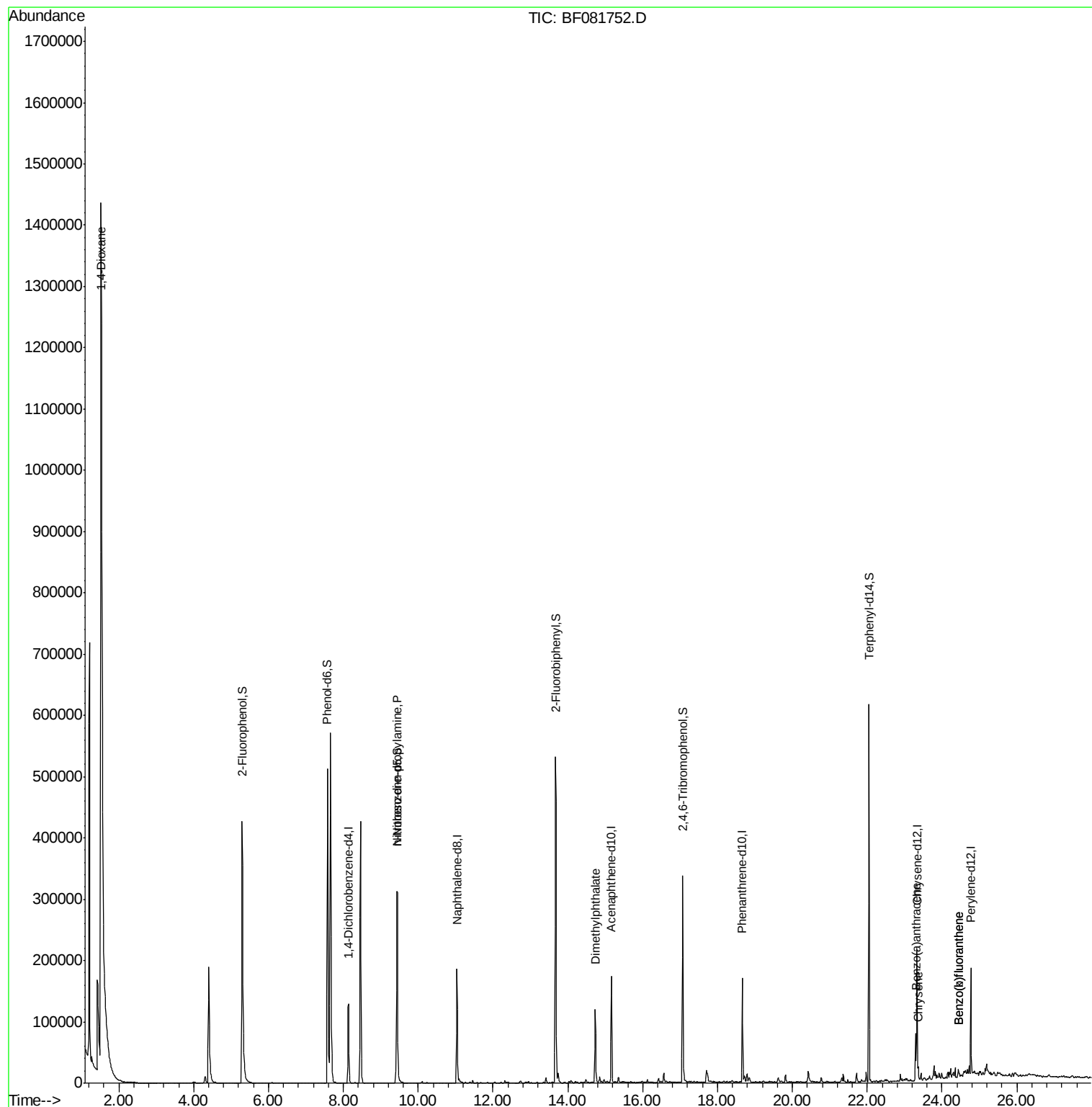
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	36119	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	143350	20.00	ng	-0.01
38) Acenaphthene-d10	15.16	164	64666	20.00	ng	-0.01
63) Phenanthrene-d10	18.67	188	114518	20.00	ng	-0.01
75) Chrysene-d12	23.33	240	75874	20.00	ng	0.00
86) Perylene-d12	24.77	264	67470	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	220048	94.52	ng	0.01
7) Phenol-d6	7.58	99	322220	104.57	ng	0.00
23) Nitrobenzene-d5	9.43	82	209046	70.36	ng	-0.02
41) 2,4,6-Tribromophenol	17.07	330	57831	100.44	ng	-0.01
44) 2-Fluorobiphenyl	13.67	172	318425	63.10	ng	-0.02
78) Terphenyl-d14	22.05	244	222364	68.22	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.52	88	90376	86.44	ng	# 11
19) n-Nitroso-di-n-propylamine	9.43	70	28231	13.46	ng	# 68
49) Dimethylphthalate	14.73	163	82488	16.42	ng	# 98
80) Benzo(a)anthracene	23.32	228	11164	2.31	ng	# 82
82) Chrysene	23.36	228	12879	2.97	ng	# 92
87) Benzo(b)fluoranthene	24.44	252	9926	2.06	ng	# 85
88) Benzo(k)fluoranthene	24.44	252	9926	2.48	ng	# 85

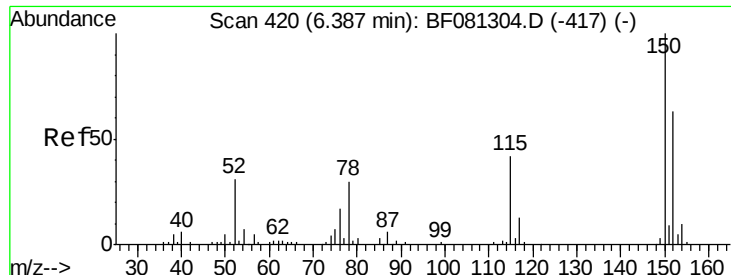
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.14 min Scan# 617

Delta R.T. 0.00 min

Lab File: BF081752.D

Acq: 22 Sep 2015 22:29

Instrument :

BNA_F

ClientSampleId :

TRENCH-2-1

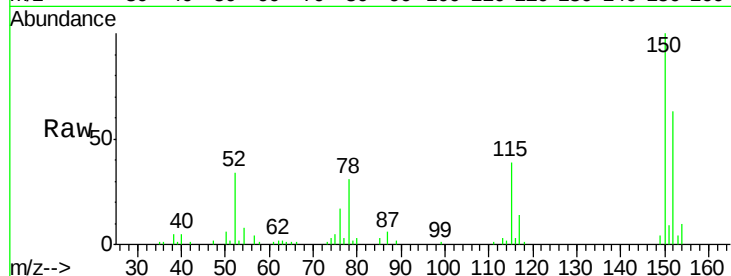
Tot Ion:152 Resp: 36119

Ion Ratio Lower Upper

152 100

150 158.4 124.7 187.1

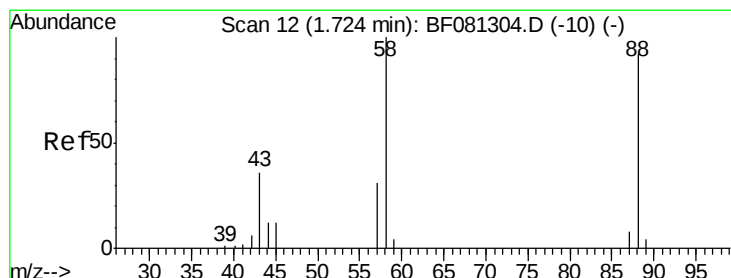
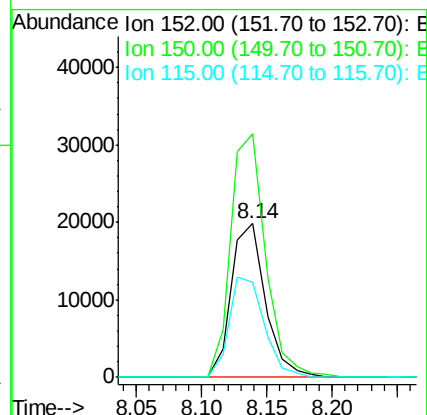
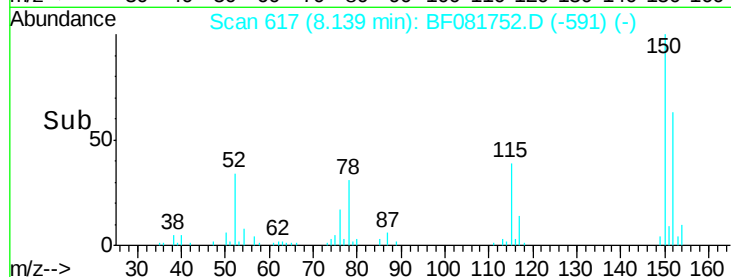
115 62.0 39.0 58.4#



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: 86.44 ng

RT: 1.52 min Scan# 38

Delta R.T. 0.01 min

Lab File: BF081752.D

Acq: 22 Sep 2015 22:29

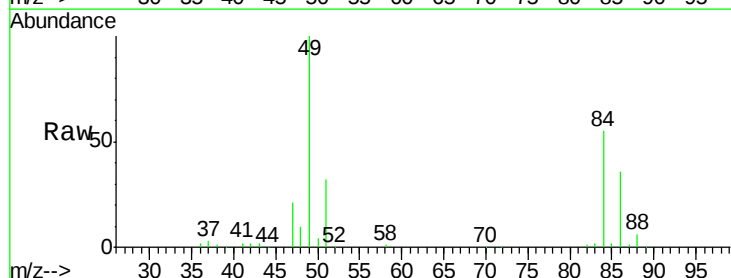
Tgt Ion: 88 Resp: 90376

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

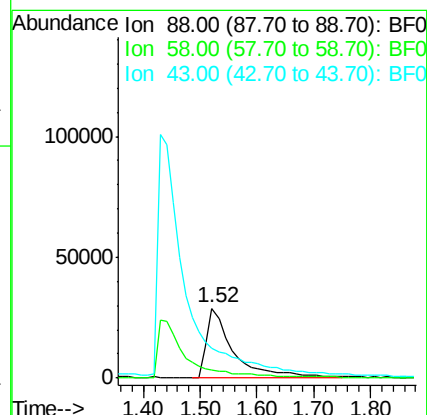
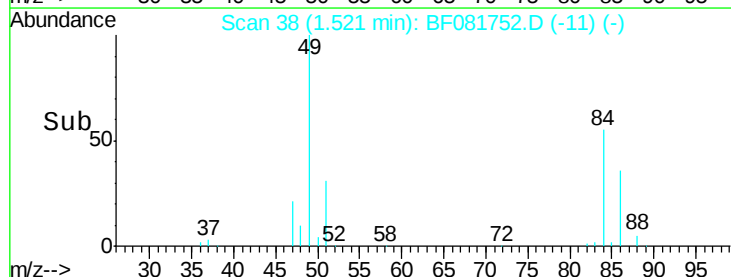
43 0.0 26.6 40.0#

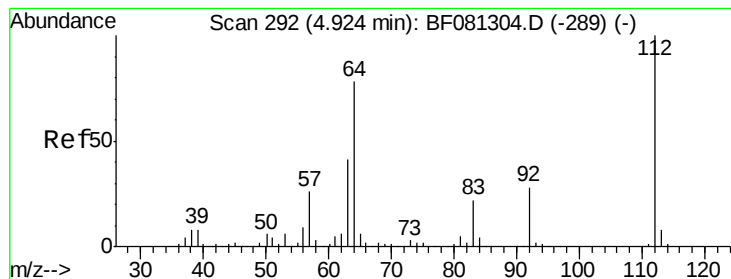


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 94.52 ng

RT: 5.29 min Scan# 368

Delta R.T. 0.01 min

Lab File: BF081752.D

Acq: 22 Sep 2015 22:29

Instrument :

BNA_F

ClientSampleId :

TRENCH-2-1

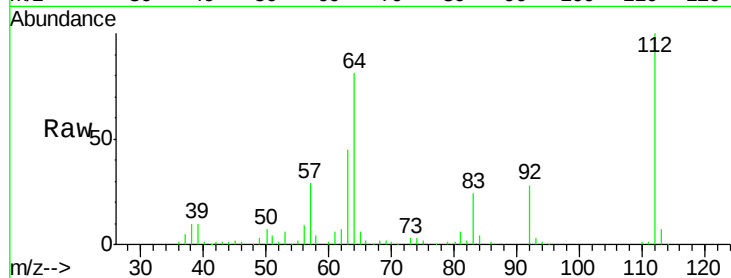
Tot Ion:112 Resp: 220048

Ion Ratio Lower Upper

112 100

64 80.7 39.7 59.5#

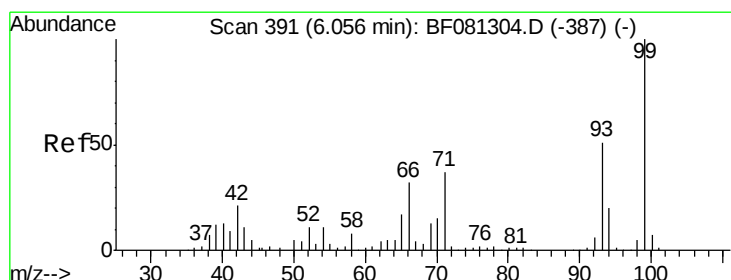
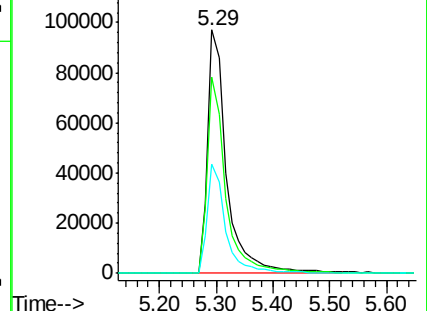
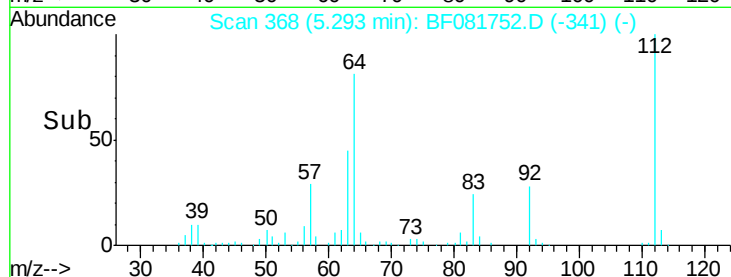
63 45.0 17.4 26.0#



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: 104.57 ng

RT: 7.58 min Scan# 568

Delta R.T. 0.00 min

Lab File: BF081752.D

Acq: 22 Sep 2015 22:29

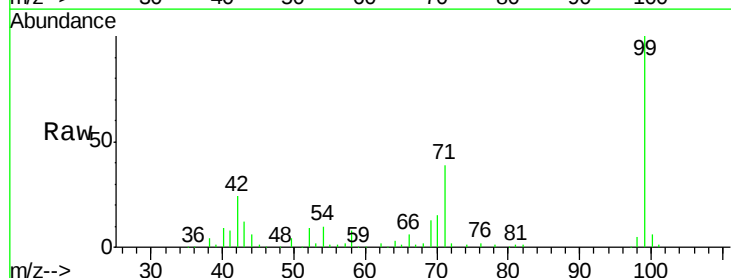
Tgt Ion: 99 Resp: 322220

Ion Ratio Lower Upper

99 100

42 24.4 13.7 20.5#

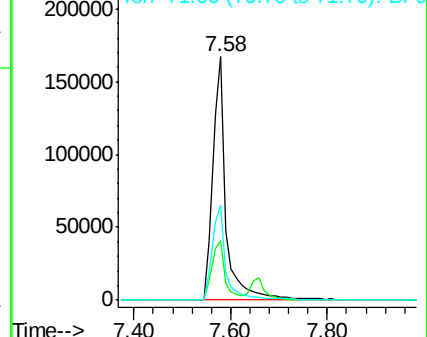
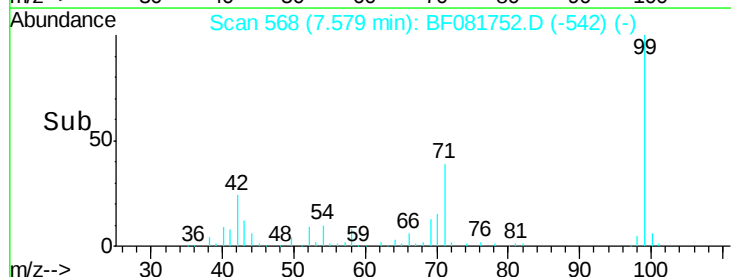
71 38.9 14.2 21.2#

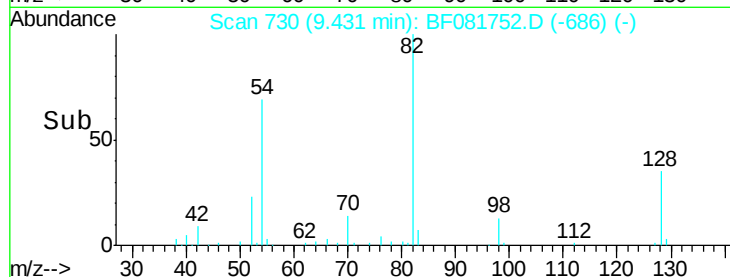
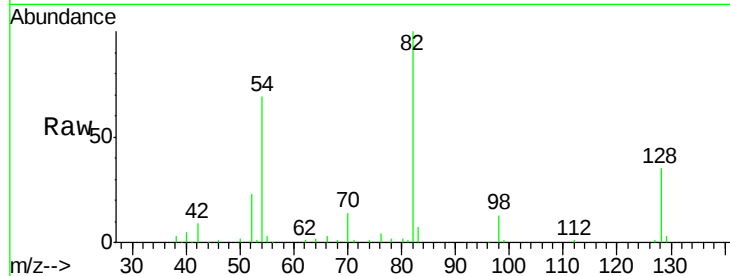
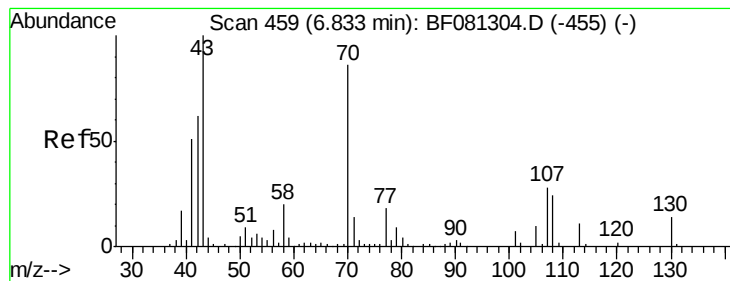


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 13.46 ng

RT: 9.43 min Scan# 730

Delta R.T. 0.21 min

Lab File: BF081752.D

Acq: 22 Sep 2015 22:29

Instrument :

BNA_F

ClientSampleId :

TRENCH-2-1

Tot Ion: 70 Resp: 28231

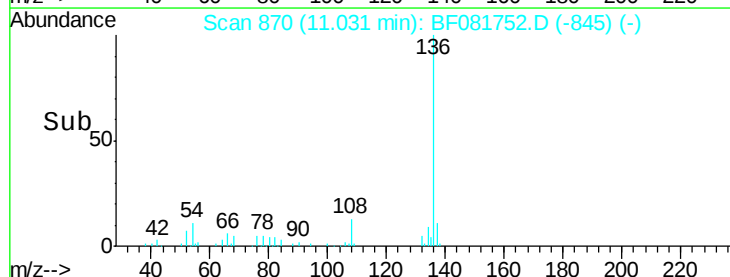
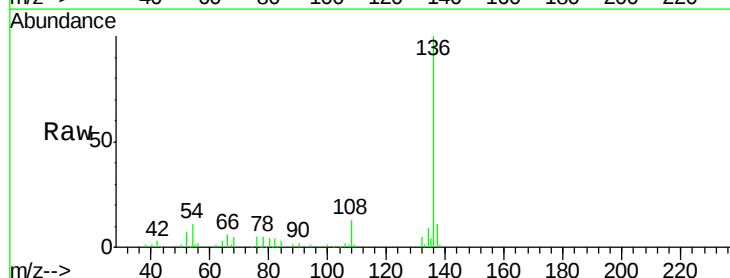
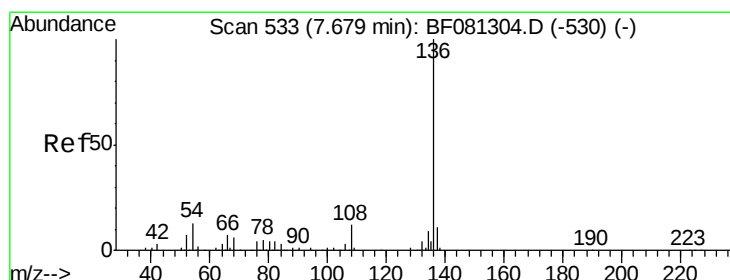
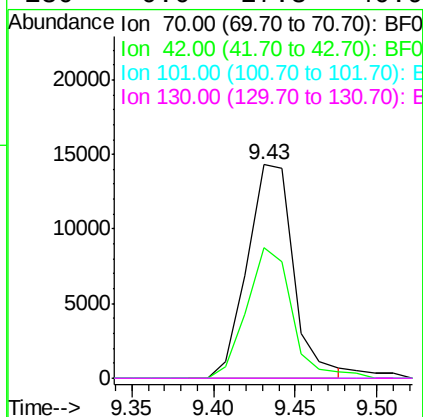
Ion Ratio Lower Upper

70 100

42 61.0 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: 11.03 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF081752.D

Acq: 22 Sep 2015 22:29

Tgt Ion: 136 Resp: 143350

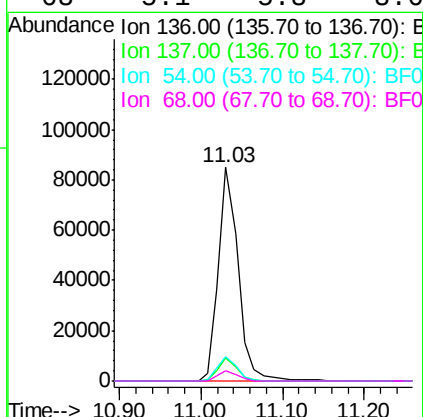
Ion Ratio Lower Upper

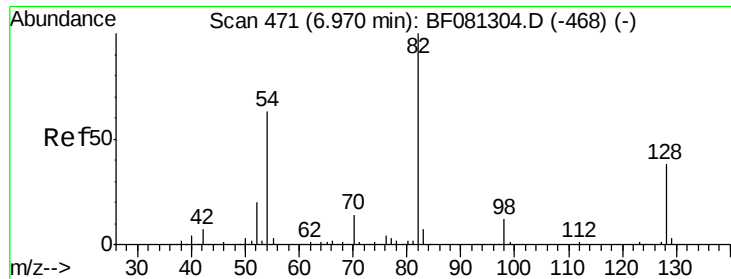
136 100

137 11.0 9.0 13.6

54 11.3 8.2 12.2

68 5.1 5.8 8.6#

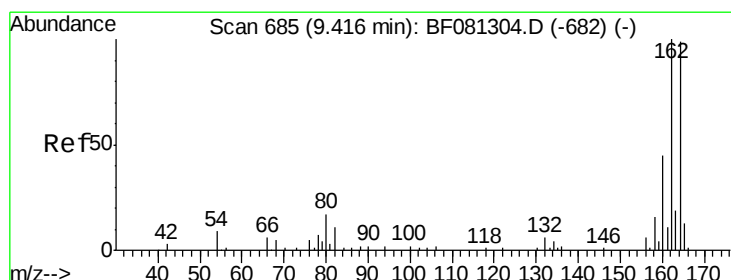
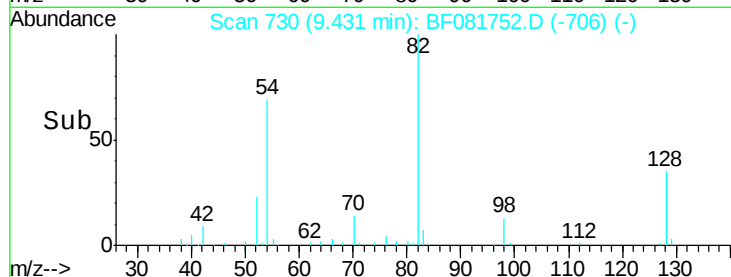
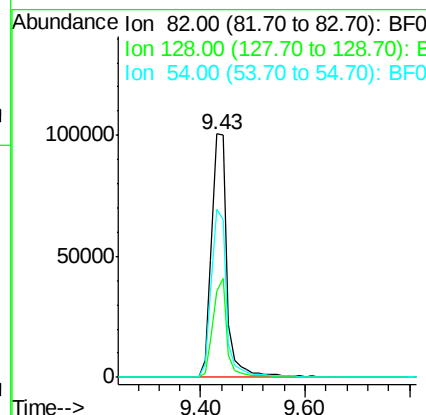
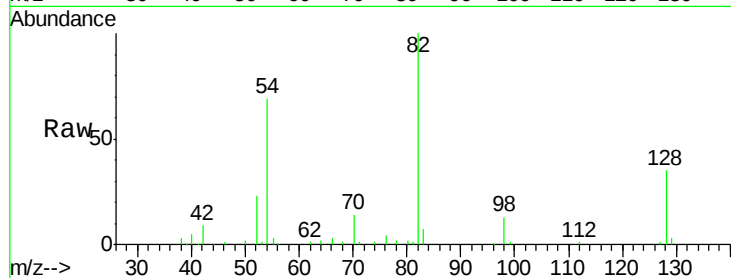




#23
 Nitrobenzene-d5
 Concen: 70.36 ng
 RT: 9.43 min Scan# 730
 Delta R.T. -0.02 min
 Lab File: BF081752.D
 Acq: 22 Sep 2015 22:29

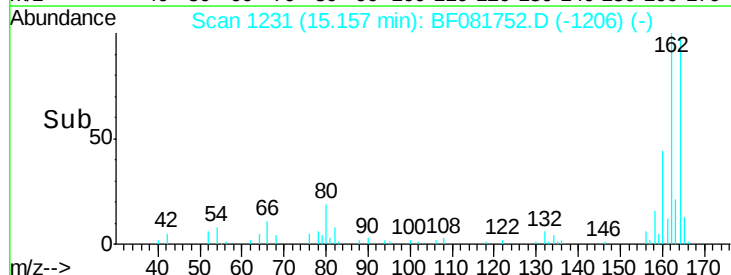
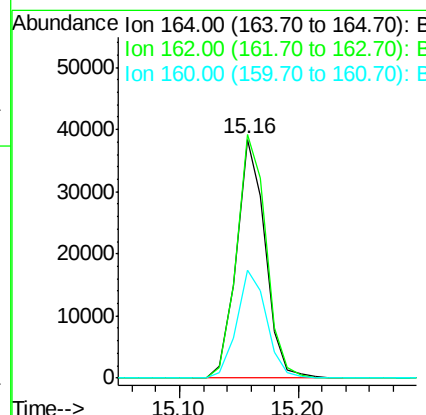
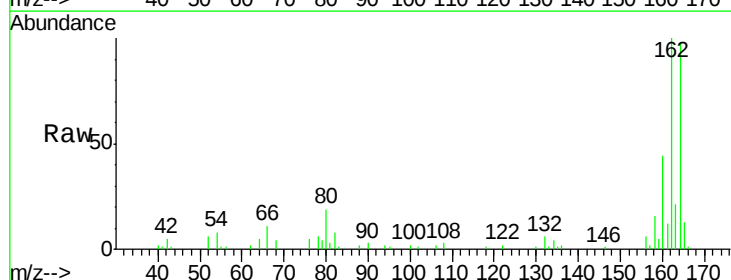
Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-2-1

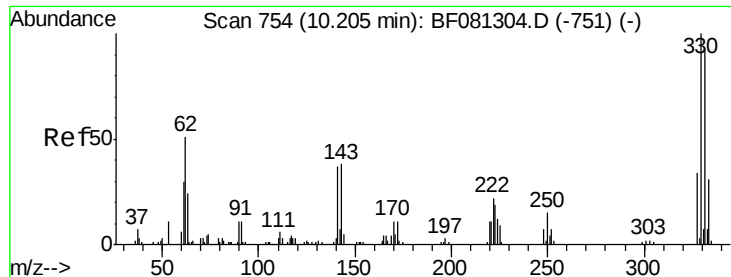
Tot Ion: 82 Resp: 209046
 Ion Ratio Lower Upper
 82 100
 128 35.4 51.0 76.6#
 54 69.3 47.5 71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.16 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF081752.D
 Acq: 22 Sep 2015 22:29

Tgt Ion:164 Resp: 64666
 Ion Ratio Lower Upper
 164 100
 162 101.9 75.2 112.8
 160 45.3 31.5 47.3

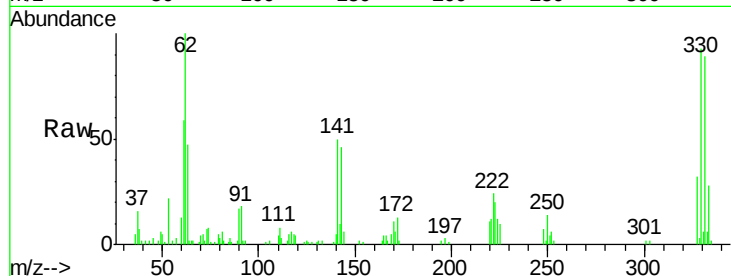




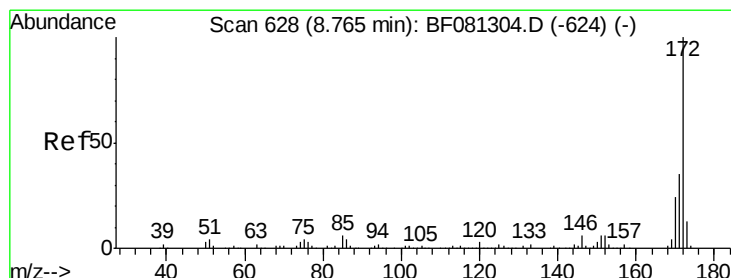
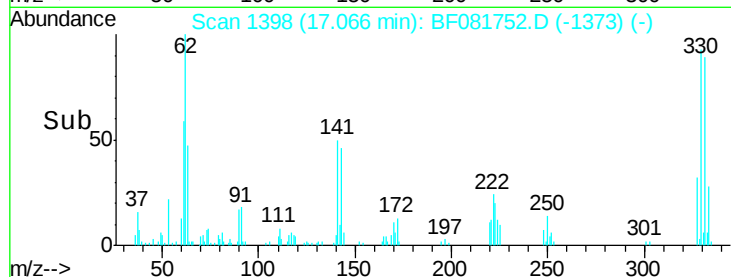
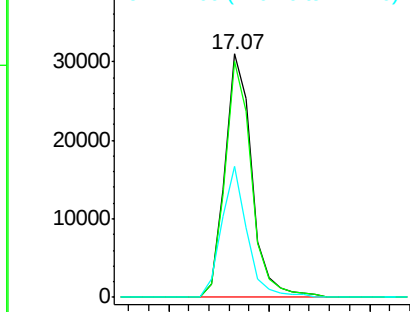
#41
 2,4,6-Tribromophenol
 Concen: 100.44 ng
 RT: 17.07 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF081752.D
 Acq: 22 Sep 2015 22:29

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-2-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.6	114.8
141	50.7	29.7	44.5

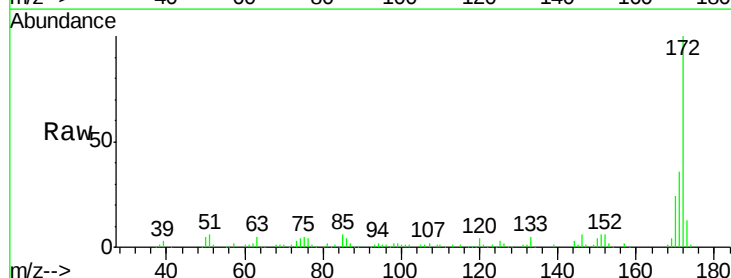


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

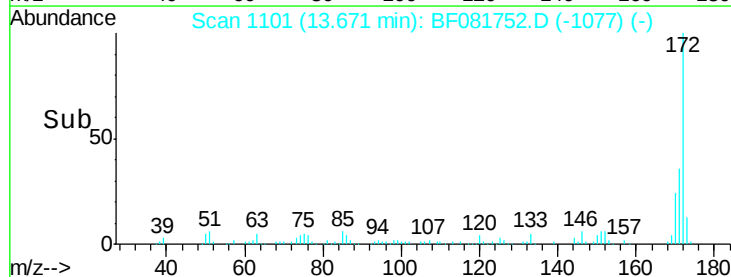
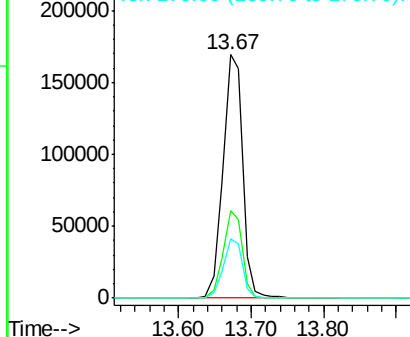


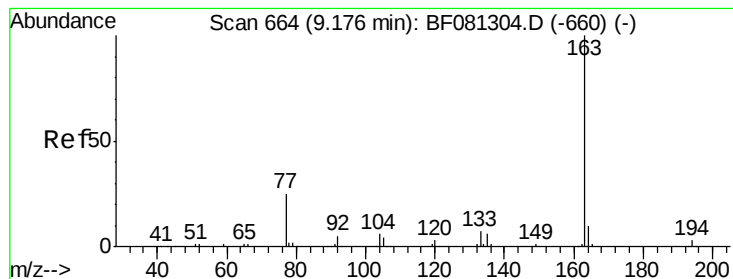
#44
 2-Fluorobiphenyl
 Concen: 63.10 ng
 RT: 13.67 min Scan# 1101
 Delta R.T. -0.02 min
 Lab File: BF081752.D
 Acq: 22 Sep 2015 22:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	26.1	39.1
170	24.3	17.4	26.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 16.42 ng

RT: 14.73 min Scan# 1194

Delta R.T. -0.05 min

Lab File: BF081752.D

Acq: 22 Sep 2015 22:29

Instrument :

BNA_F

ClientSampleId :

TRENCH-2-1

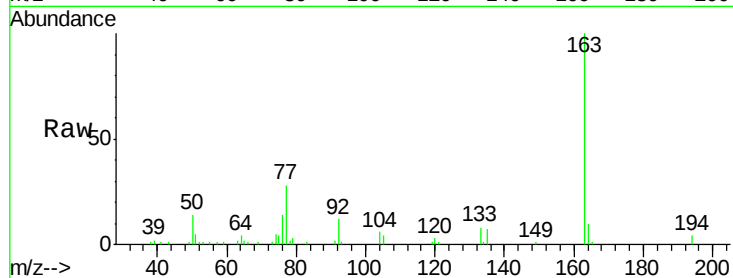
Tot Ion:163 Resp: 82488

Ion Ratio Lower Upper

163 100

194 3.9 4.4 6.6#

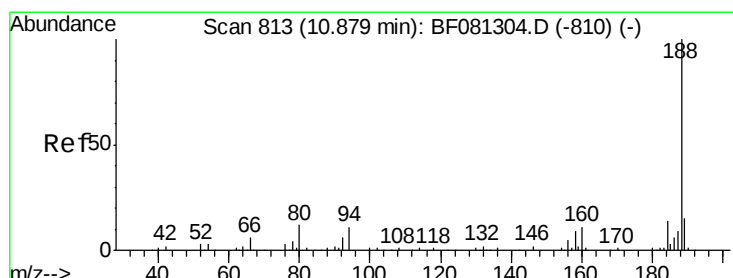
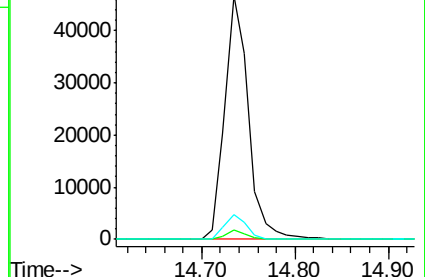
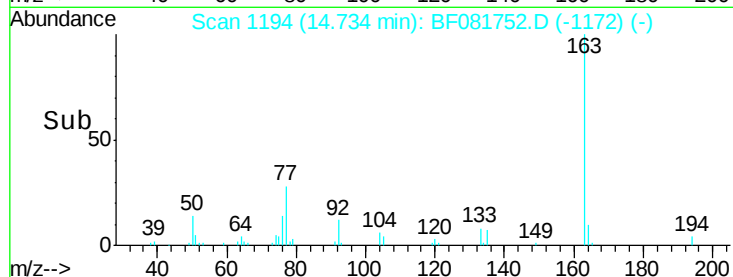
164 10.1 8.3 12.5



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.67 min Scan# 1538

Delta R.T. -0.01 min

Lab File: BF081752.D

Acq: 22 Sep 2015 22:29

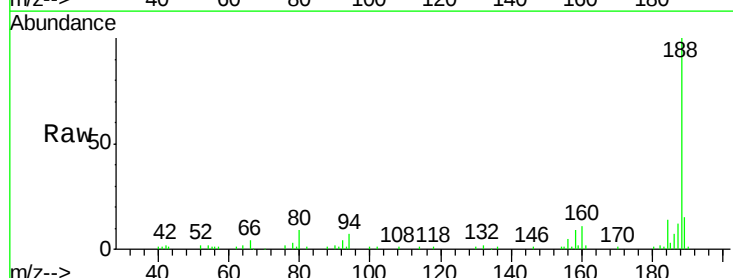
Tgt Ion:188 Resp: 114518

Ion Ratio Lower Upper

188 100

94 7.4 11.1 16.7#

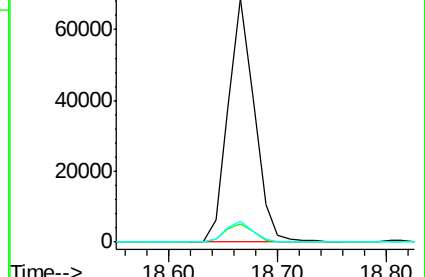
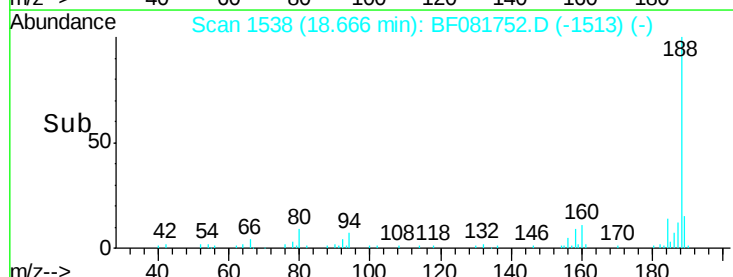
80 8.6 11.0 16.4#

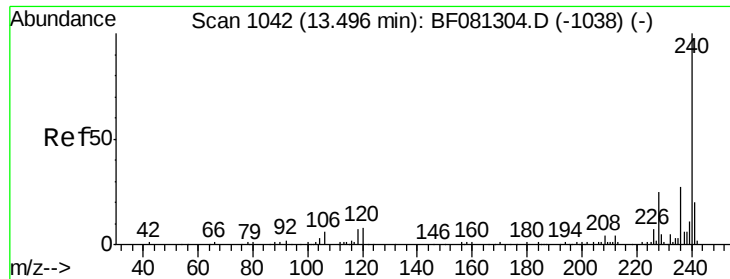


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

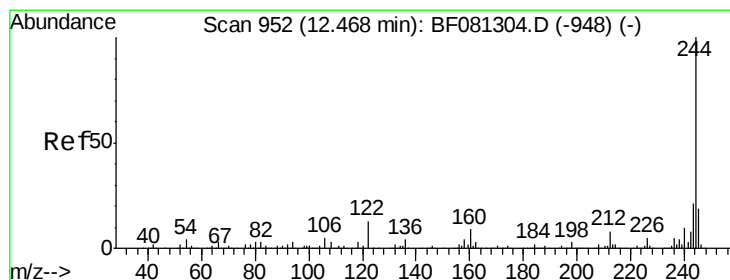
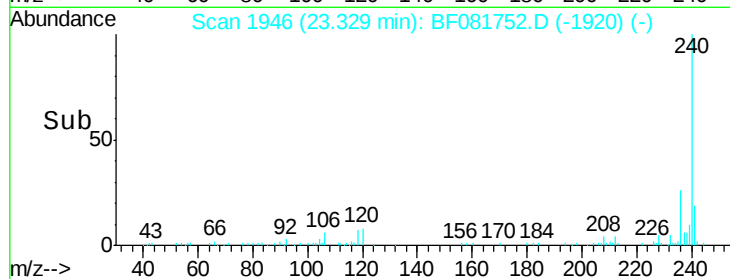
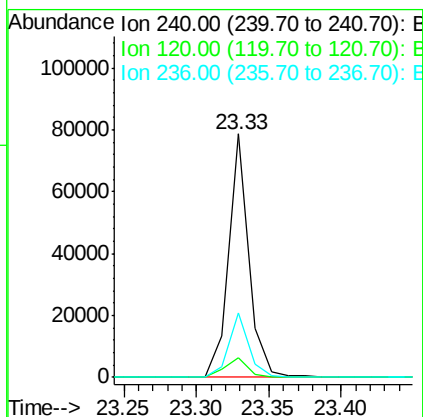
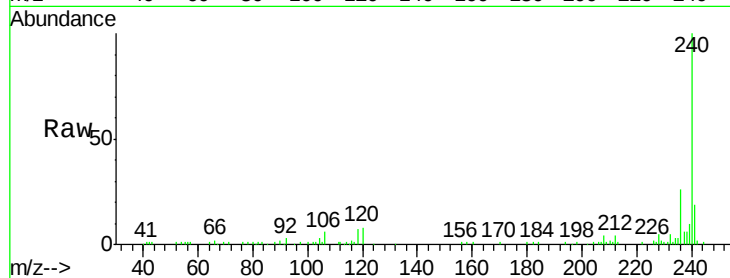




#75
 Chrvsene-d12
 Concen: 20.00 ng
 RT: 23.33 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: BF081752.D
 Acq: 22 Sep 2015 22:29

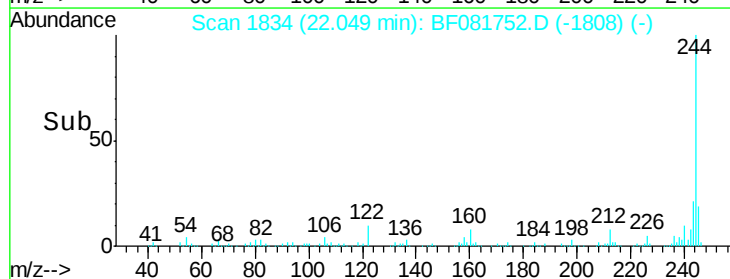
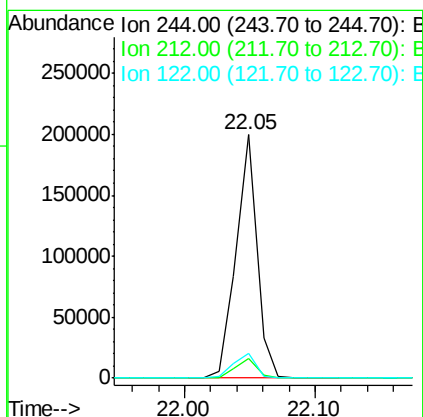
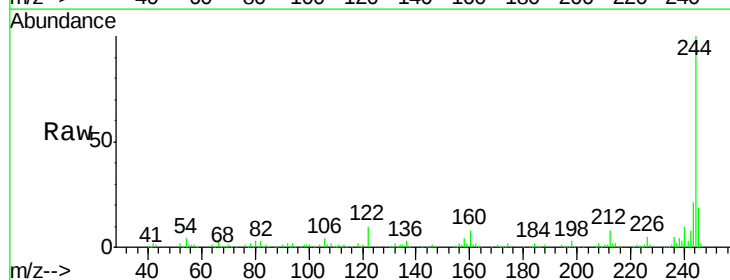
Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-2-1

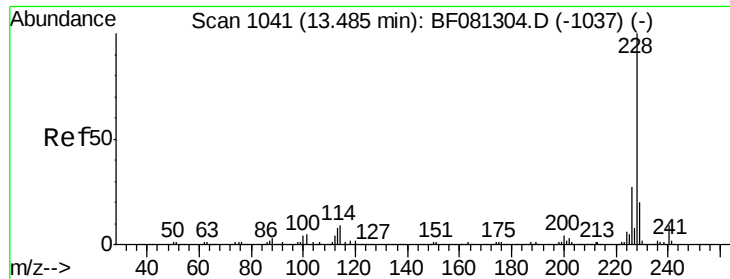
Tot Ion:240 Resp: 75874
 Ion Ratio Lower Upper
 240 100
 120 8.1 16.2 24.2#
 236 26.3 18.4 27.6



#78
 Terphenyl-d14
 Concen: 68.22 ng
 RT: 22.05 min Scan# 1834
 Delta R.T. 0.00 min
 Lab File: BF081752.D
 Acq: 22 Sep 2015 22:29

Tgt Ion:244 Resp: 222364
 Ion Ratio Lower Upper
 244 100
 212 8.2 4.3 6.5#
 122 10.2 17.4 26.2#





#80

Benzo(a)anthracene

Concen: 2.31 ng

RT: 23.32 min Scan# 1945

Delta R.T. 0.00 min

Lab File: BF081752.D

Acq: 22 Sep 2015 22:29

Instrument :

BNA_F

ClientSampleId :

TRENCH-2-1

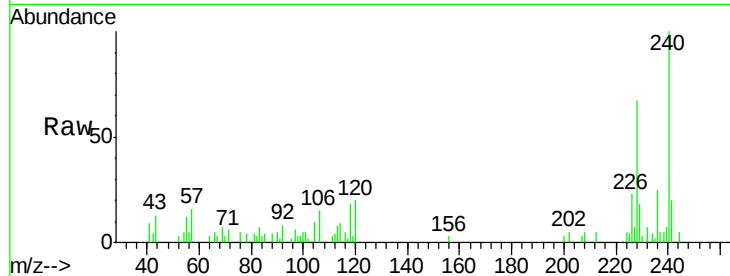
Tot Ion:228 Resp: 11164

Ion Ratio Lower Upper

228 100

226 34.0 20.0 30.0#

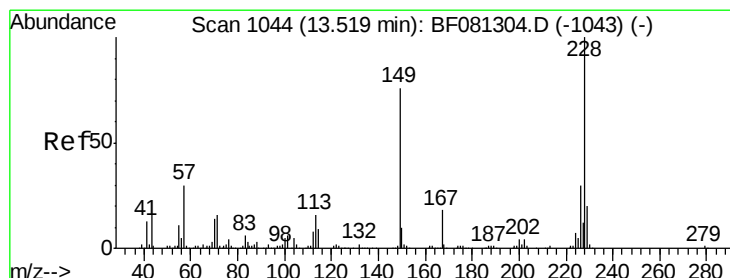
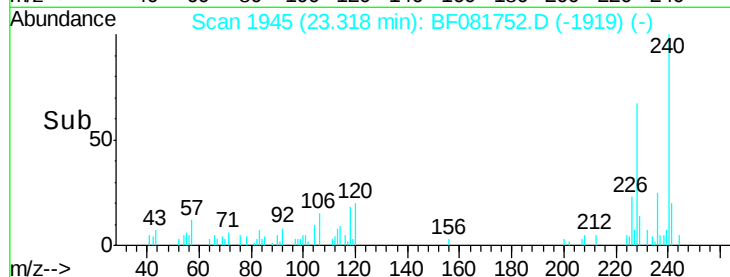
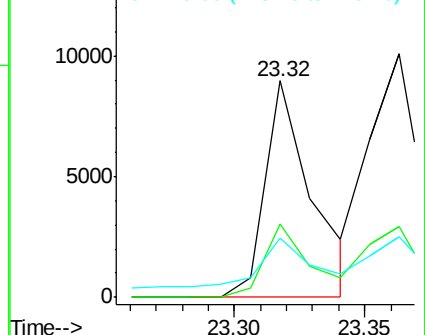
229 27.5 15.4 23.2#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.97 ng

RT: 23.36 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BF081752.D

Acq: 22 Sep 2015 22:29

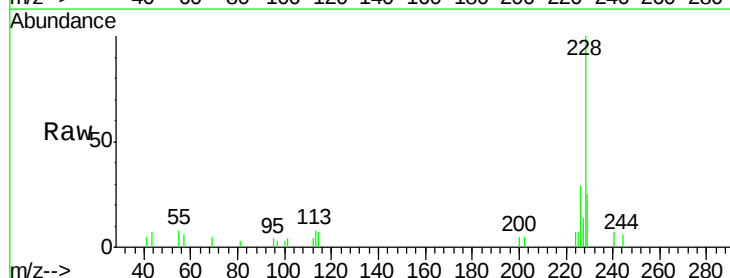
Tgt Ion:228 Resp: 12879

Ion Ratio Lower Upper

228 100

226 29.1 21.0 31.4

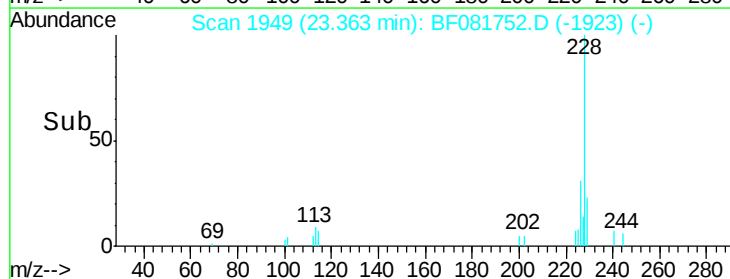
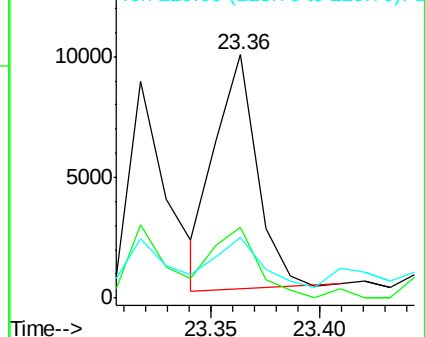
229 24.9 15.6 23.4#

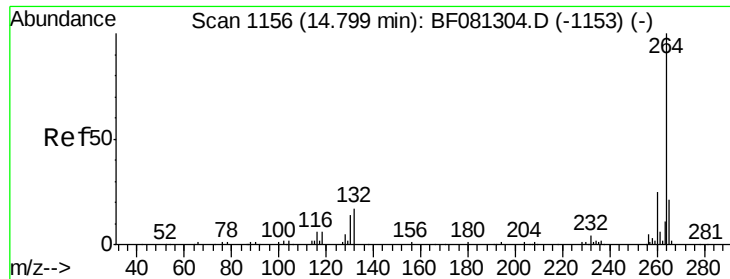


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



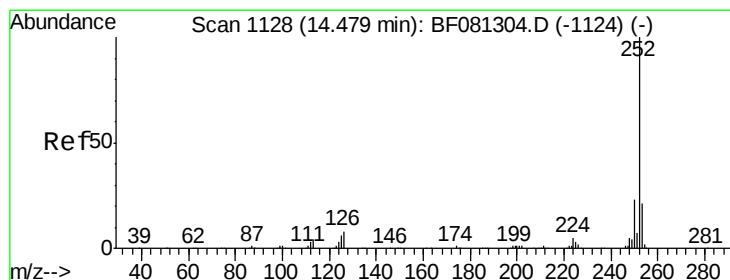
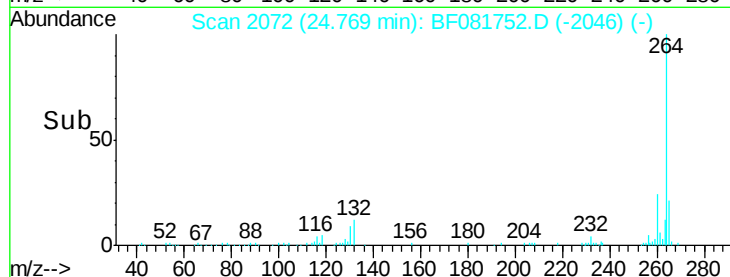
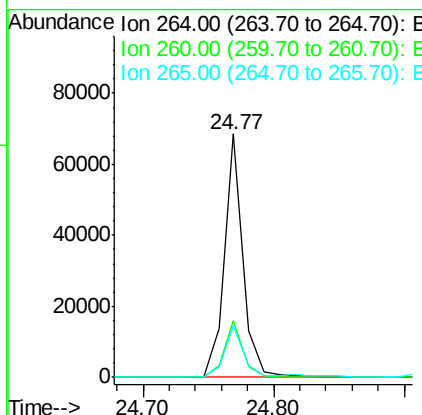
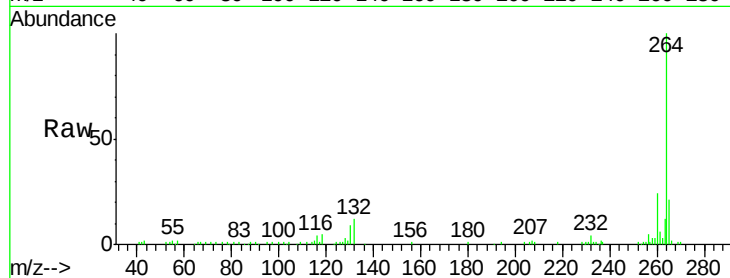


#86
Pervlene-d12
Concen: 20.00 ng
RT: 24.77 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BF081752.D
Acq: 22 Sep 2015 22:29

Instrument :
BNA_F
ClientSampleId :
TRENCH-2-1

Tot Ion:264 Resp: 67470

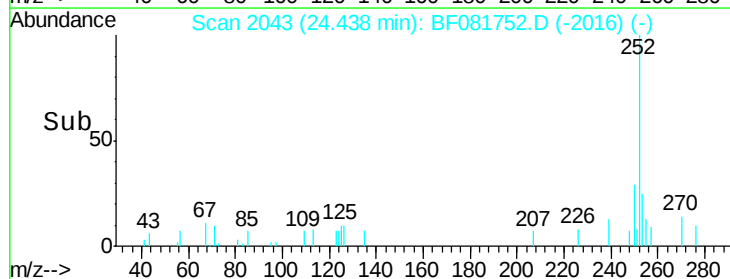
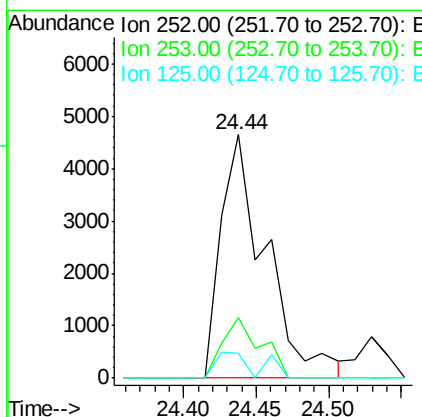
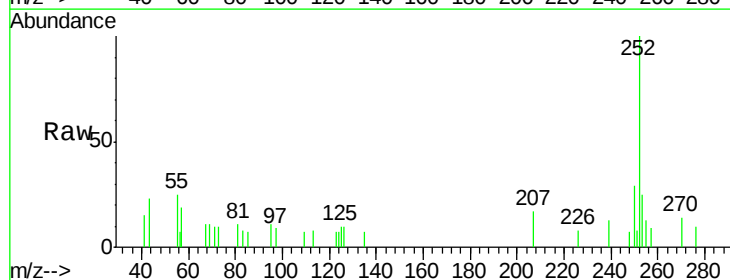
Ion	Ratio	Lower	Upper
264	100		
260	23.6	16.7	25.1
265	21.1	17.2	25.8

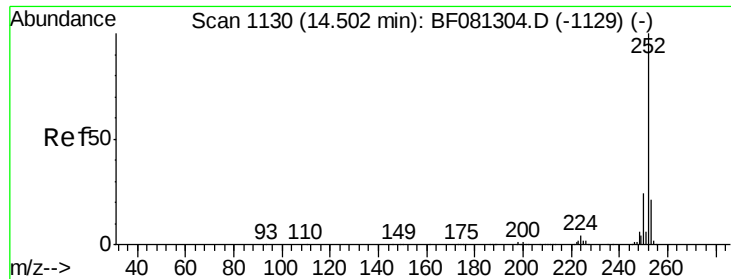


#87
Benzo(b)fluoranthene
Concen: 2.06 ng
RT: 24.44 min Scan# 2043
Delta R.T. 0.01 min
Lab File: BF081752.D
Acq: 22 Sep 2015 22:29

Tgt Ion:252 Resp: 9926

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.5	26.3
125	10.0	17.1	25.7#





#88

Benzo(k)fluoranthene

Concen: 2.48 ng

RT: 24.44 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF081752.D

Acq: 22 Sep 2015 22:29

Instrument :

BNA_F

ClientSampleId :

TRENCH-2-1

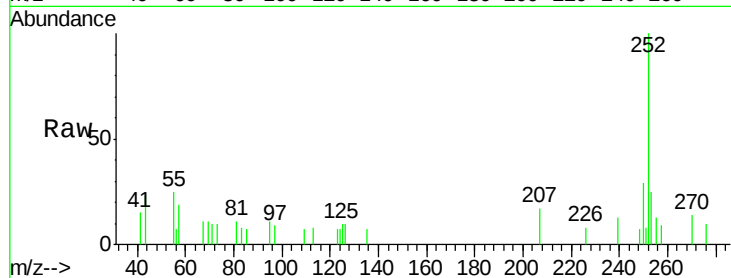
Tot Ion:252 Resp: 9926

Ion Ratio Lower Upper

252 100

253 24.9 17.0 25.4

125 10.0 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

