

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092115\
 Data File : BF081735.D
 Acq On : 22 Sep 2015 5:39
 Operator : UM/IZ
 Sample : G3747-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-2-2

Quant Time: Sep 22 06:31:49 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 04:14:20 2015
 Response via : Initial Calibration

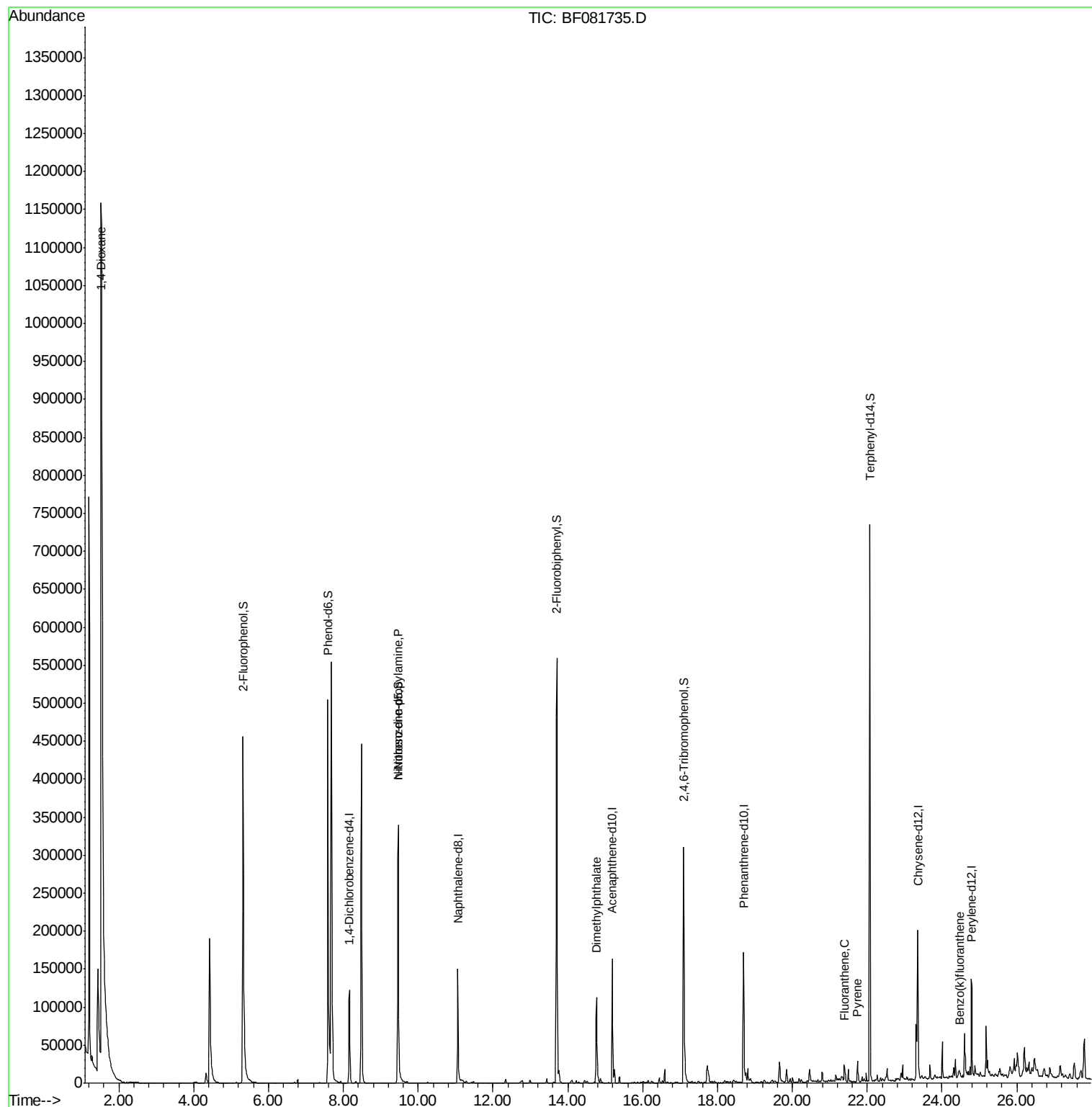
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	33863	20.00	ng	0.00
21) Naphthalene-d8	11.05	136	134758	20.00	ng	-0.01
38) Acenaphthene-d10	15.19	164	64207	20.00	ng	-0.01
63) Phenanthrene-d10	18.70	188	128955	20.00	ng	0.00
75) Chrysene-d12	23.35	240	100916	20.00	ng	0.00
86) Perylene-d12	24.79	264	70502	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	229615	105.20	ng	0.01
7) Phenol-d6	7.59	99	324572	112.35	ng	-0.01
23) Nitrobenzene-d5	9.46	82	215253	77.07	ng	-0.01
41) 2,4,6-Tribromophenol	17.10	330	64909	113.54	ng	-0.01
44) 2-Fluorobiphenyl	13.71	172	341656	68.19	ng	-0.01
78) Terphenyl-d14	22.07	244	317069	73.14	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.52	88	76840	78.39	ng	# 11
19) n-Nitroso-di-n-propylamine	9.46	70	27440	13.96	ng	# 65
49) Dimethylphthalate	14.77	163	93868	18.82	ng	# 97
74) Fluoranthene	21.39	202	18503	2.38	ng	89
77) Pyrene	21.74	202	15789	2.11	ng	97
88) Benzo(k)fluoranthene	24.46	252	9143	2.19	ng	# 87

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

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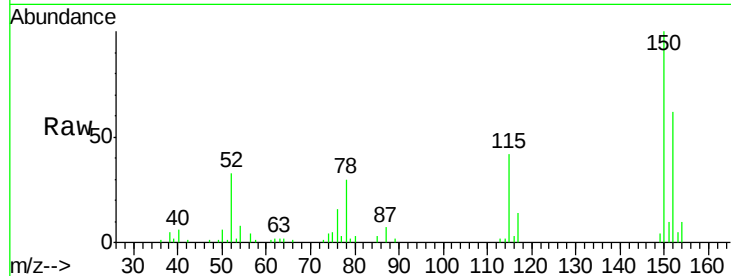




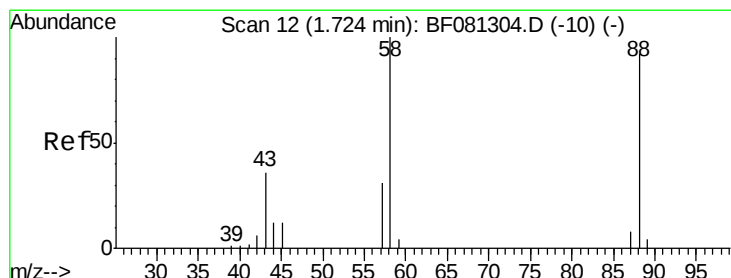
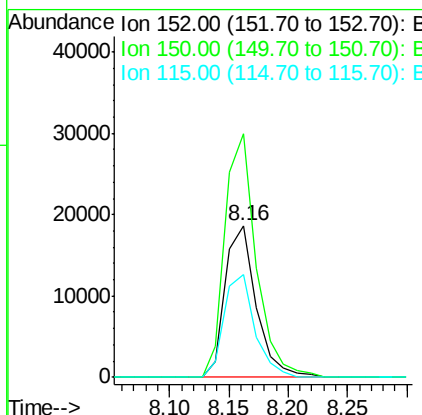
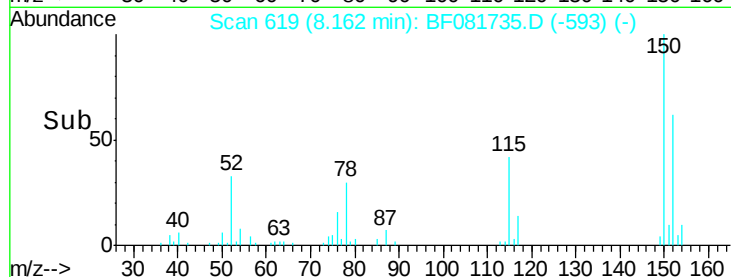
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.16 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: BF081735.D
 Acq: 22 Sep 2015 5:39

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-2-2

Tot Ion:152 Resp: 33863
 Ion Ratio Lower Upper
 152 100
 150 160.4 124.7 187.1
 115 67.4 39.0 58.4#

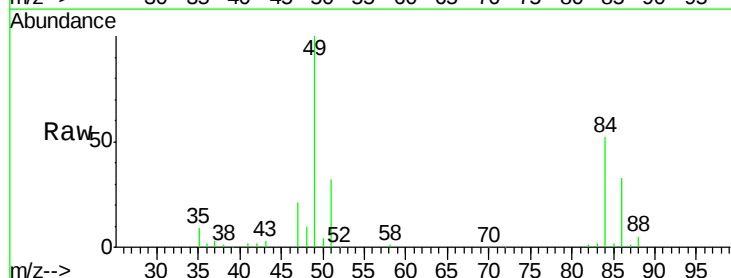


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

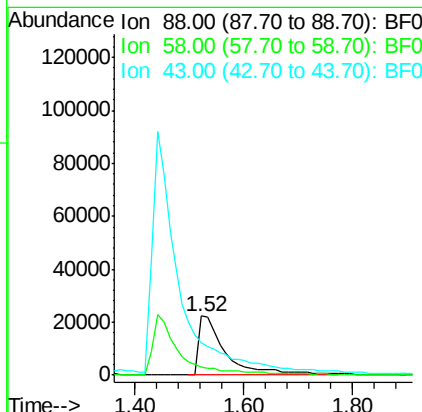
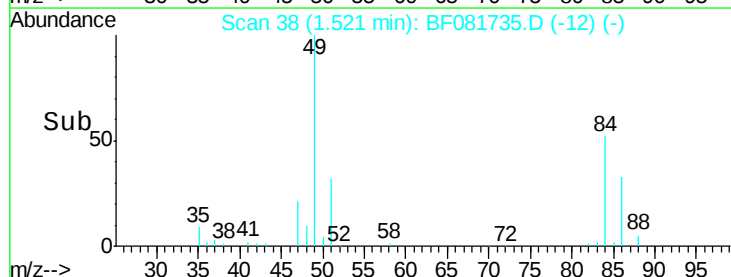


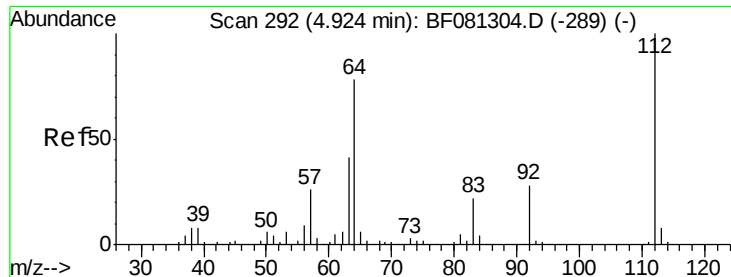
#2
 1,4-Dioxane
 Concen: 78.39 ng
 RT: 1.52 min Scan# 38
 Delta R.T. 0.00 min
 Lab File: BF081735.D
 Acq: 22 Sep 2015 5:39

Tgt Ion: 88 Resp: 76840
 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

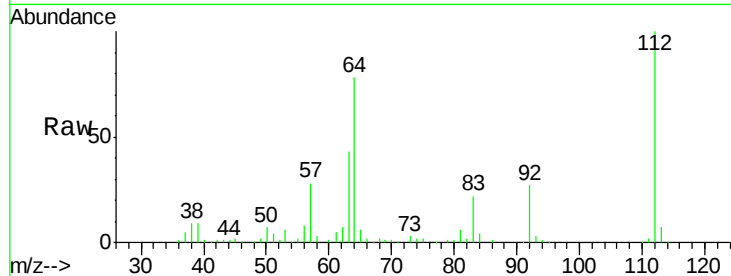




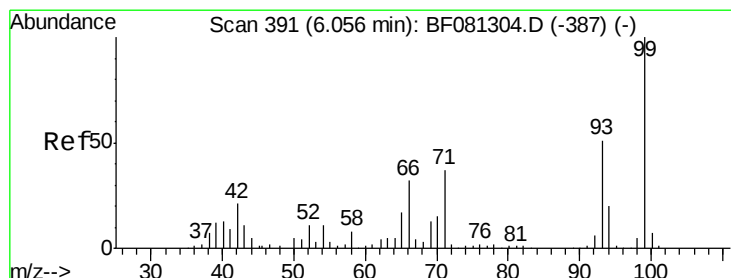
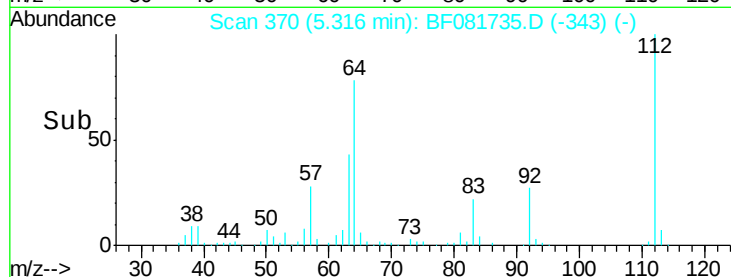
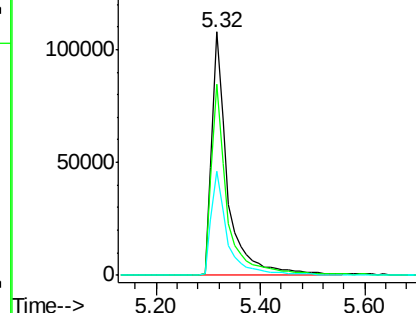
#5
2-Fluorophenol
Concen: 105.20 ng
RT: 5.32 min Scan# 370
Delta R.T. 0.01 min
Lab File: BF081735.D
Acq: 22 Sep 2015 5:39

Instrument :
BNA_F
ClientSampleId :
TRENCH-2-2

Tot Ion	Ratio	Lower	Upper
112	100		
64	78.4	39.7	59.5#
63	43.0	17.4	26.0#

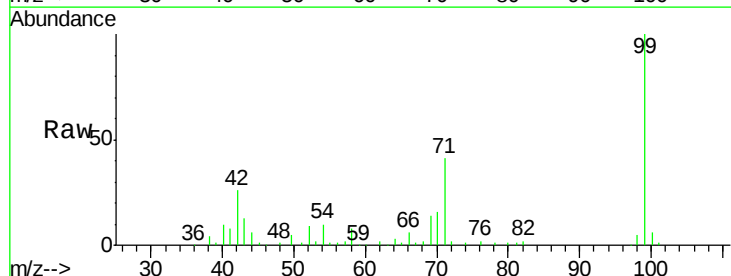


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0

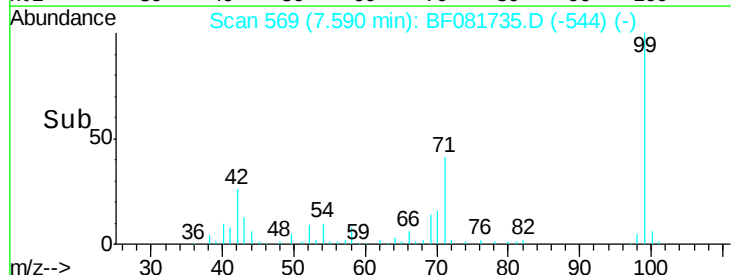
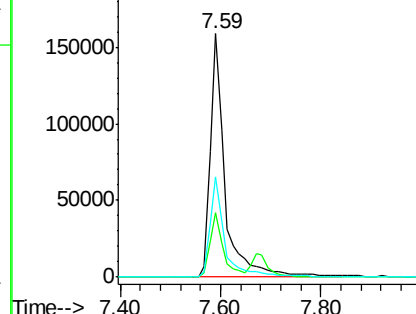


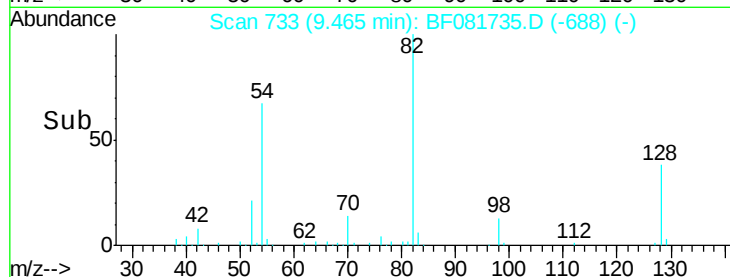
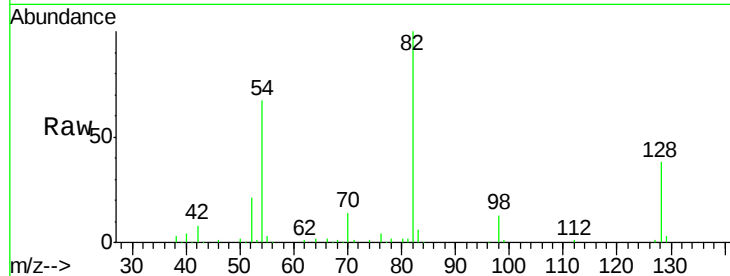
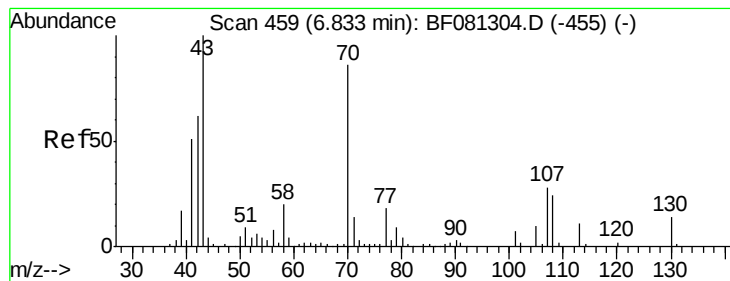
#7
Phenol-d6
Concen: 112.35 ng
RT: 7.59 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF081735.D
Acq: 22 Sep 2015 5:39

Tgt Ion	Ratio	Lower	Upper
99	100		
42	26.3	13.7	20.5#
71	41.1	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





#19

n-Nitroso-di-n-propylamine

Concen: 13.96 ng

RT: 9.46 min Scan# 733

Delta R.T. 0.22 min

Lab File: BF081735.D

Acq: 22 Sep 2015 5:39

Instrument :

BNA_F

ClientSampleId :

TRENCH-2-2

Tot Ion: 70 Resp: 27440

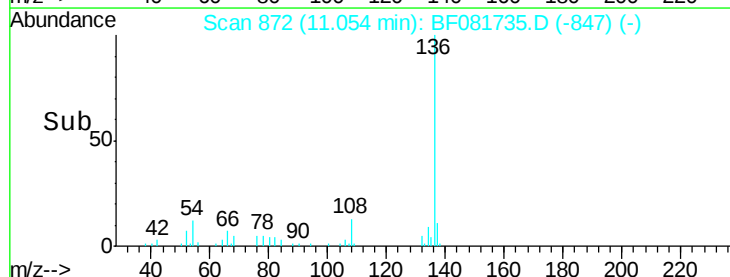
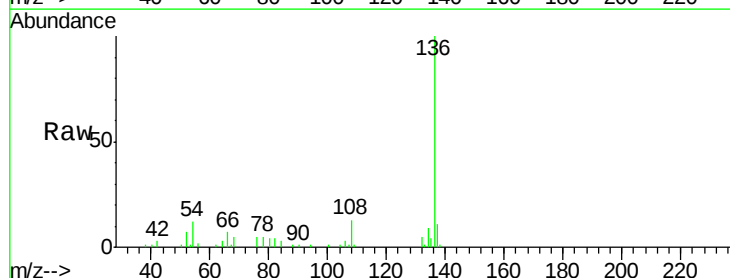
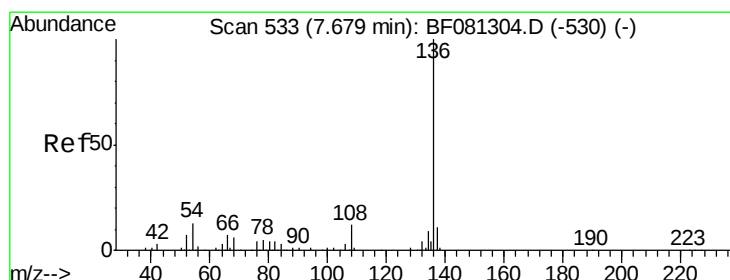
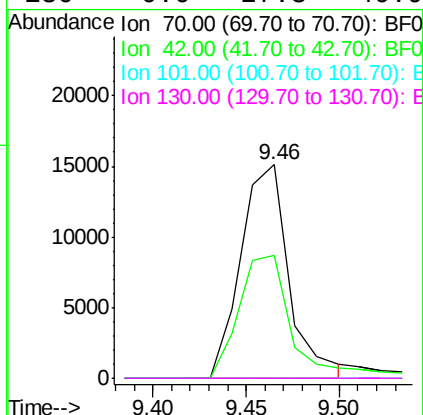
Ion Ratio Lower Upper

70 100

42 57.7 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: 11.05 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF081735.D

Acq: 22 Sep 2015 5:39

Tgt Ion: 136 Resp: 134758

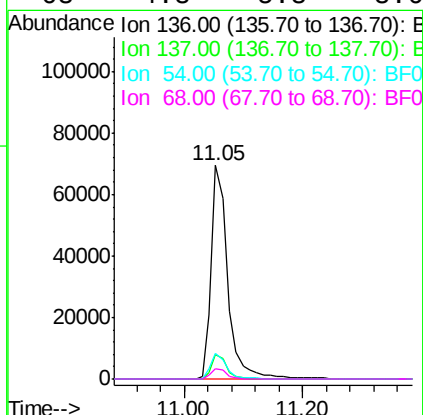
Ion Ratio Lower Upper

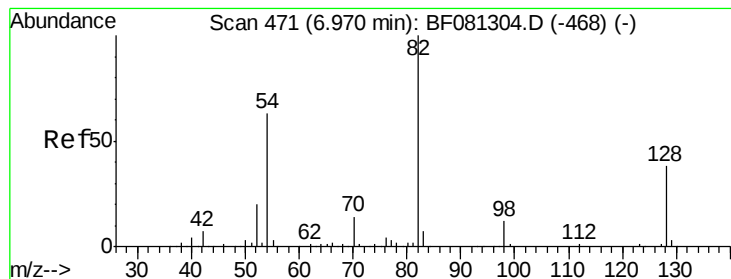
136 100

137 11.2 9.0 13.6

54 12.1 8.2 12.2

68 4.8 5.8 8.6#





#23

Nitrobenzene-d5

Concen: 77.07 ng

RT: 9.46 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF081735.D

Acq: 22 Sep 2015 5:39

Instrument :

BNA_F

ClientSampleId :

TRENCH-2-2

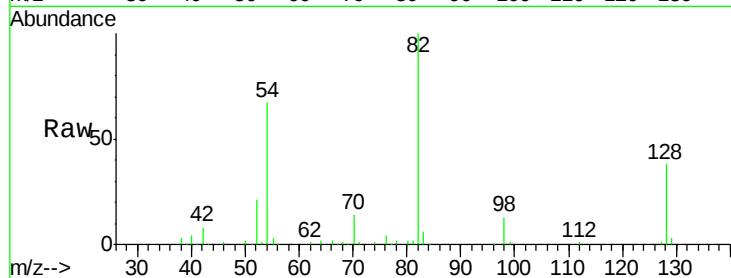
Tot Ion: 82 Resp: 215253

Ion Ratio Lower Upper

82 100

128 38.4 51.0 76.6#

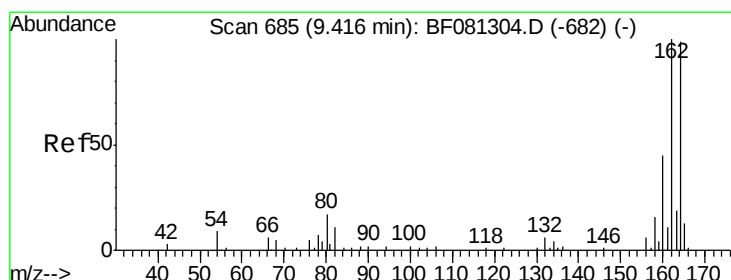
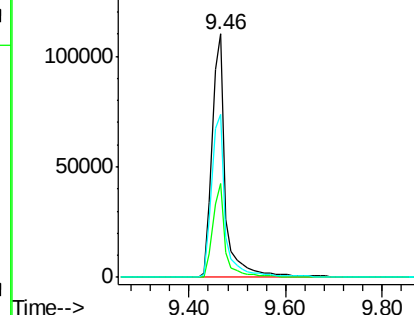
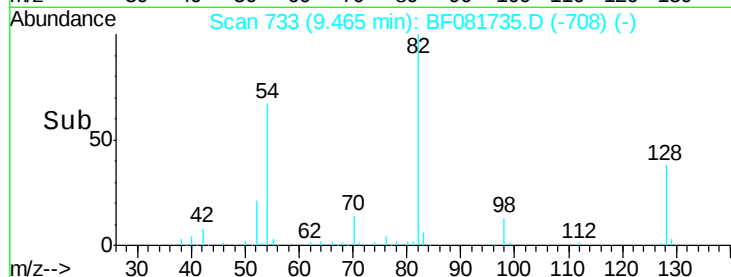
54 66.7 47.5 71.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.19 min Scan# 1234

Delta R.T. -0.01 min

Lab File: BF081735.D

Acq: 22 Sep 2015 5:39

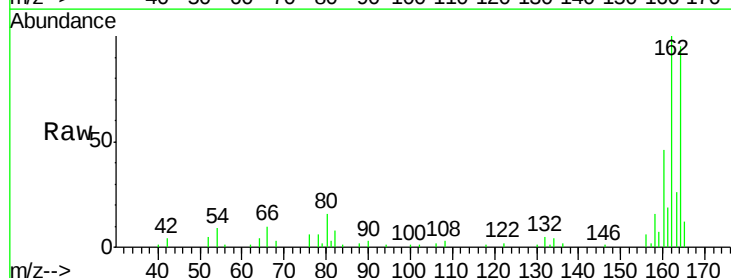
Tgt Ion: 164 Resp: 64207

Ion Ratio Lower Upper

164 100

162 105.7 75.2 112.8

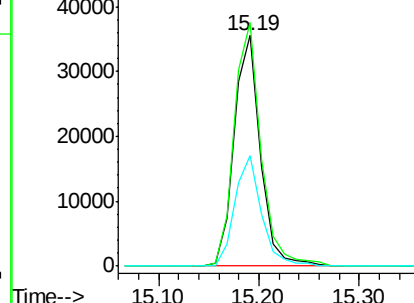
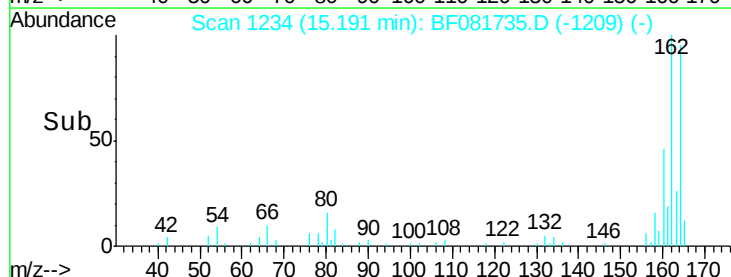
160 48.2 31.5 47.3#



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

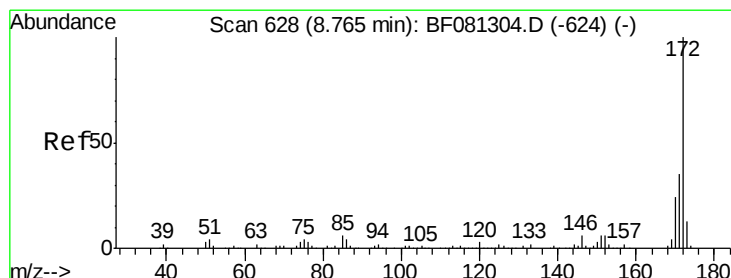
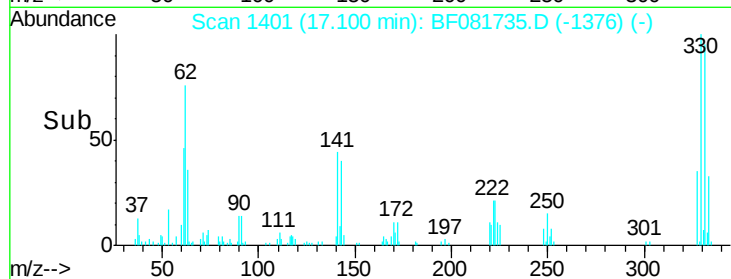
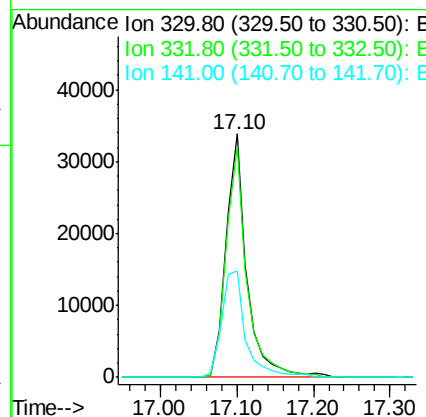
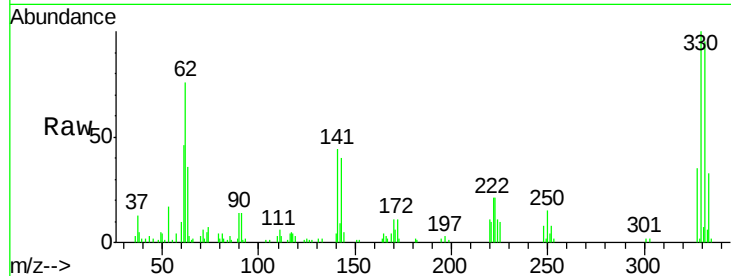




#41
 2,4,6-Tribromophenol
 Concen: 113.54 ng
 RT: 17.10 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: BF081735.D
 Acq: 22 Sep 2015 5:39

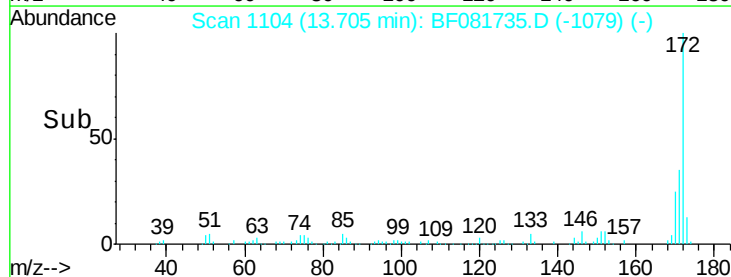
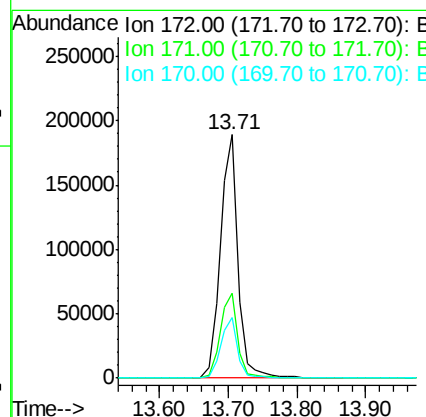
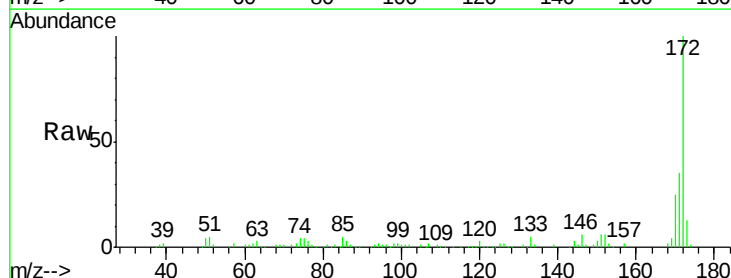
Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-2-2

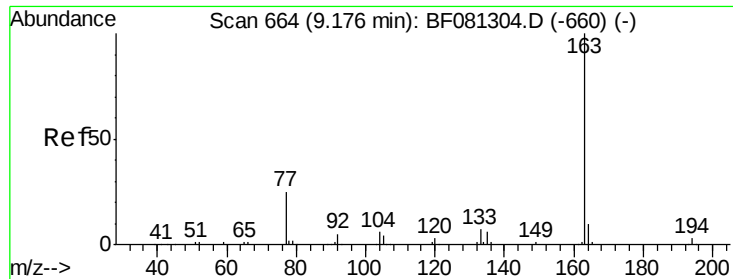
Tot Ion:330 Resp: 64909
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.6 114.8
 141 50.2 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 68.19 ng
 RT: 13.71 min Scan# 1104
 Delta R.T. -0.01 min
 Lab File: BF081735.D
 Acq: 22 Sep 2015 5:39

Tgt Ion:172 Resp: 341656
 Ion Ratio Lower Upper
 172 100
 171 35.0 26.1 39.1
 170 24.7 17.4 26.2





#49

Dimethylphthalate

Concen: 18.82 ng

RT: 14.77 min Scan# 1197

Delta R.T. -0.03 min

Lab File: BF081735.D

Acq: 22 Sep 2015 5:39

Instrument :

BNA_F

ClientSampleId :

TRENCH-2-2

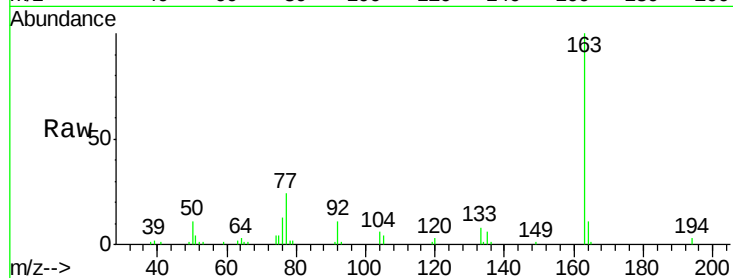
Tot Ion:163 Resp: 93868

Ion Ratio Lower Upper

163 100

194 3.5 4.4 6.6#

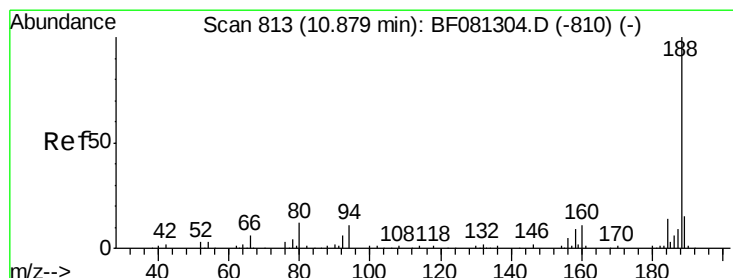
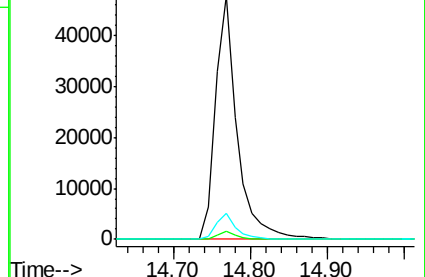
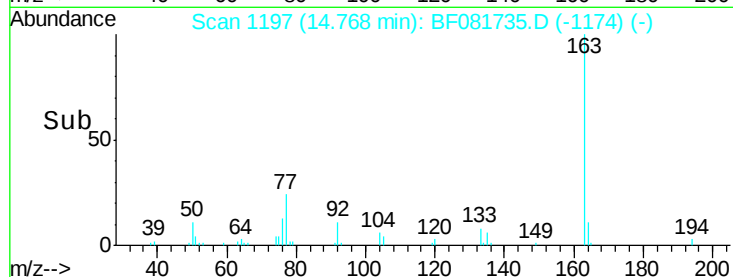
164 10.7 8.3 12.5



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: 18.70 min Scan# 1541

Delta R.T. 0.00 min

Lab File: BF081735.D

Acq: 22 Sep 2015 5:39

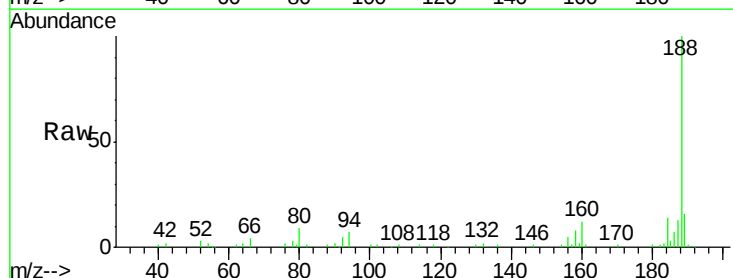
Tgt Ion:188 Resp: 128955

Ion Ratio Lower Upper

188 100

94 7.3 11.1 16.7#

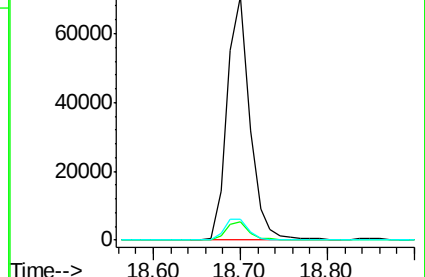
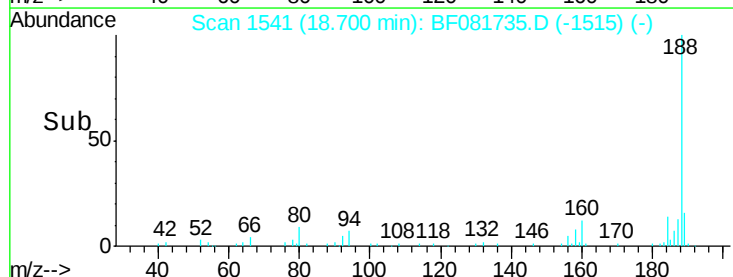
80 8.6 11.0 16.4#

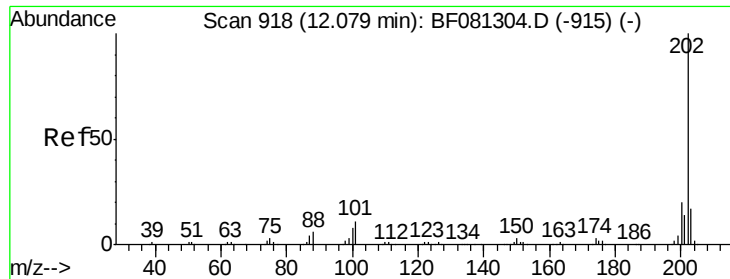


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

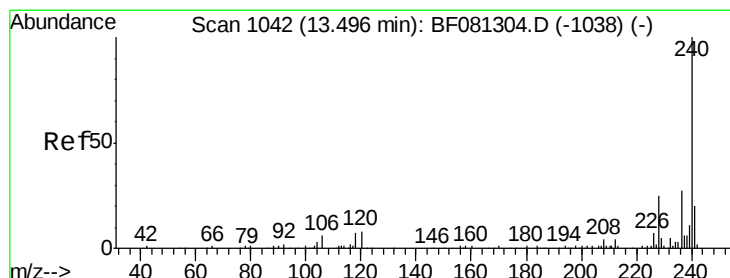
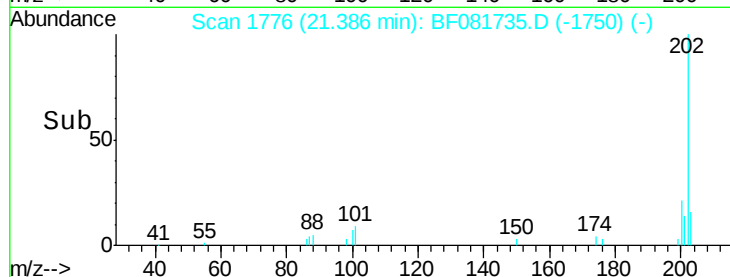
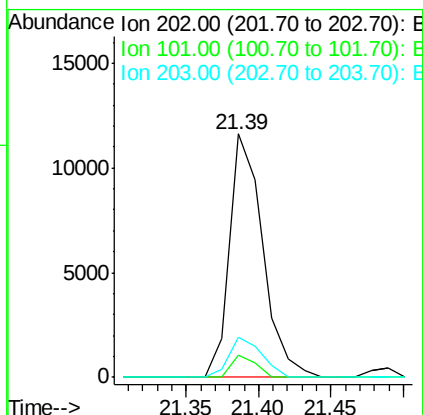
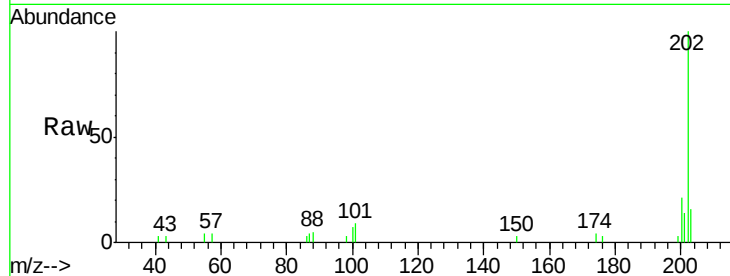




#74
 Fluoranthene
 Concen: 2.38 ng
 RT: 21.39 min Scan# 1776
 Delta R.T. 0.00 min
 Lab File: BF081735.D
 Acq: 22 Sep 2015 5:39

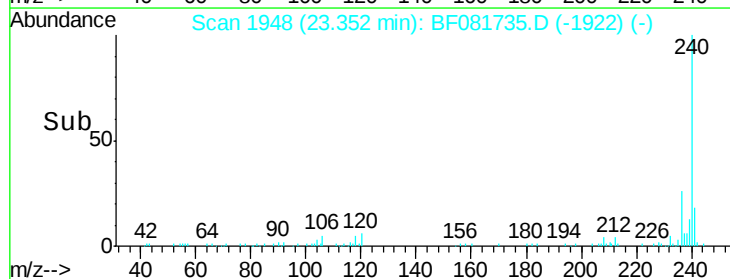
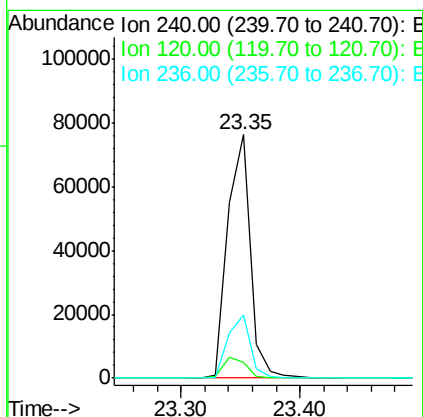
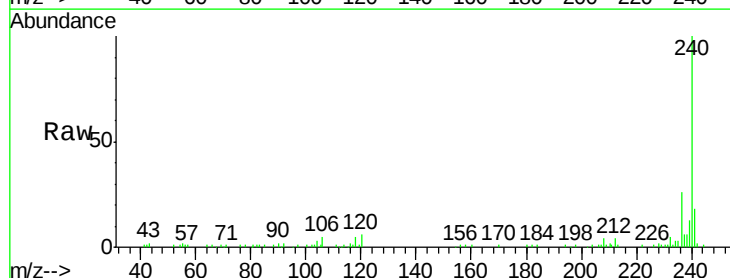
Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-2-2

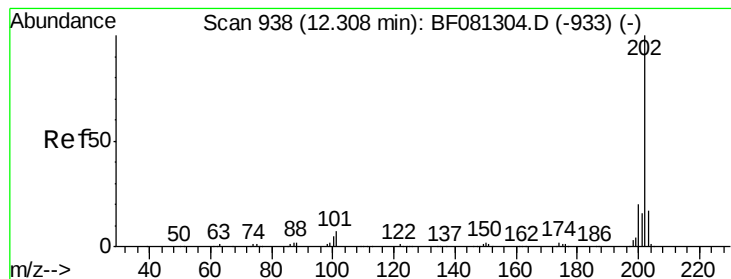
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	38.3
203	16.4	0.0	37.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 23.35 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: BF081735.D
 Acq: 22 Sep 2015 5:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.2	16.2	24.2#
236	25.9	18.4	27.6





#77

Pvrene

Concen: 2.11 ng

RT: 21.74 min Scan# 1807

Delta R.T. 0.00 min

Lab File: BF081735.D

Acq: 22 Sep 2015 5:39

Instrument :

BNA_F

ClientSampleId :

TRENCH-2-2

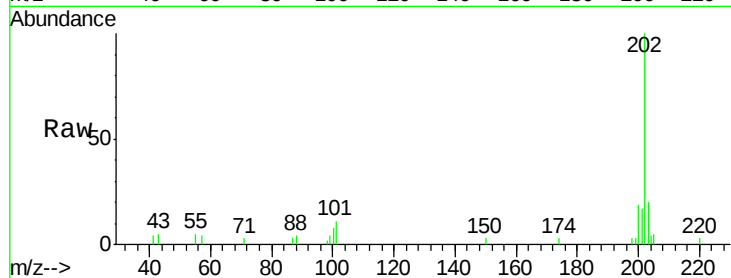
Tot Ion:202 Resp: 15789

Ion Ratio Lower Upper

202 100

200 19.2 15.0 22.4

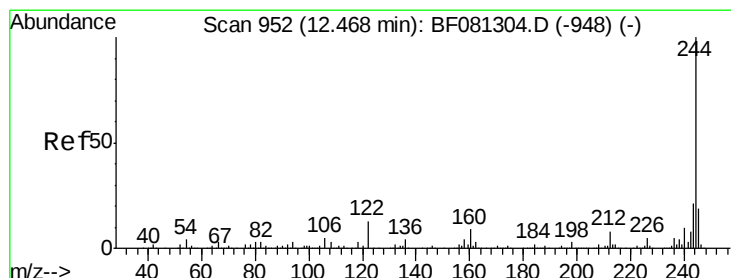
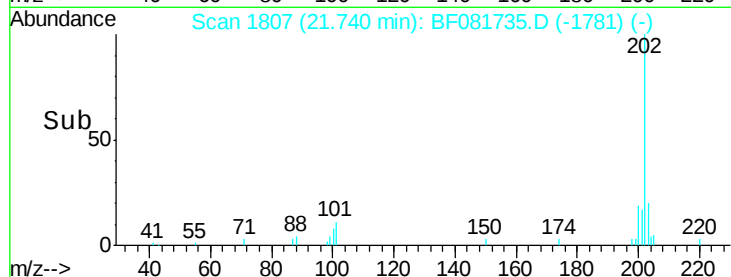
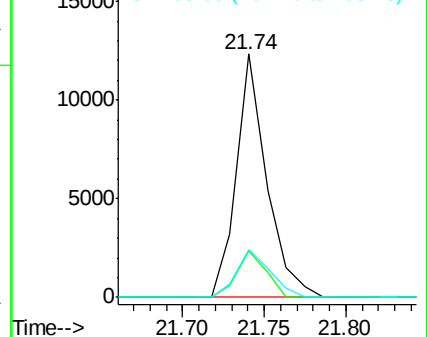
203 19.6 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 73.14 ng

RT: 22.07 min Scan# 1836

Delta R.T. 0.00 min

Lab File: BF081735.D

Acq: 22 Sep 2015 5:39

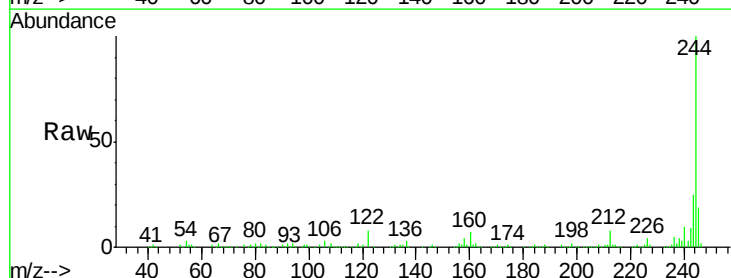
Tgt Ion:244 Resp: 317069

Ion Ratio Lower Upper

244 100

212 7.5 4.3 6.5#

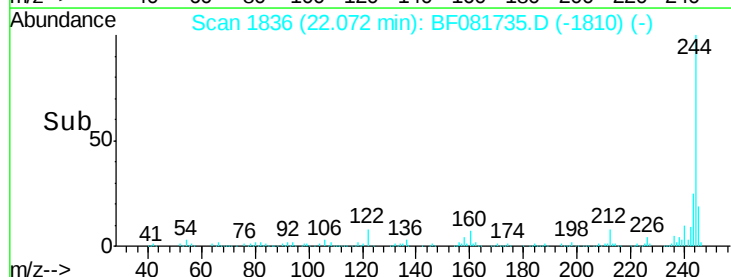
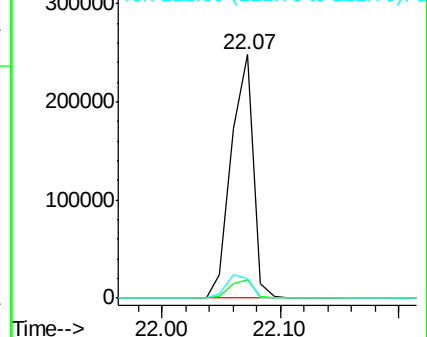
122 8.0 17.4 26.2#

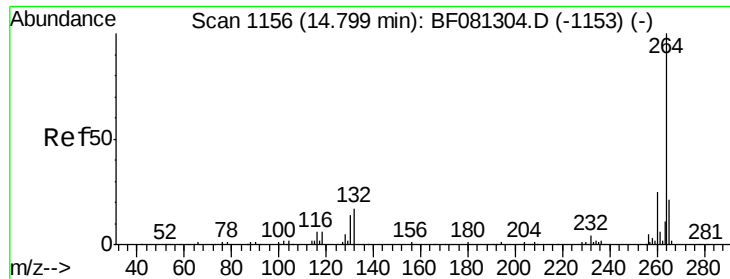


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



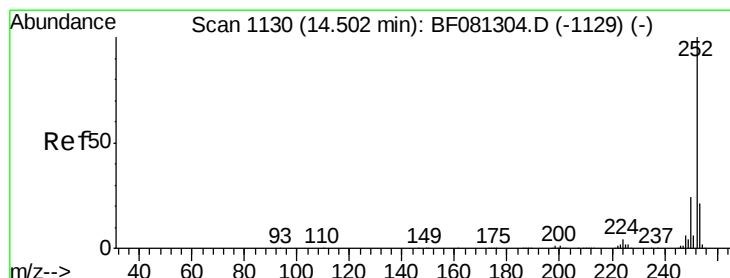
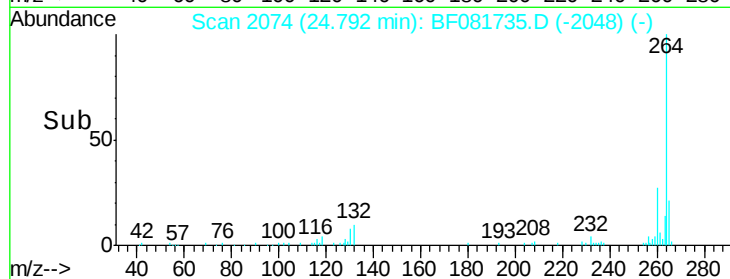
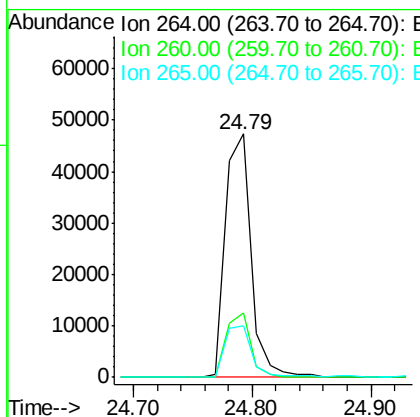
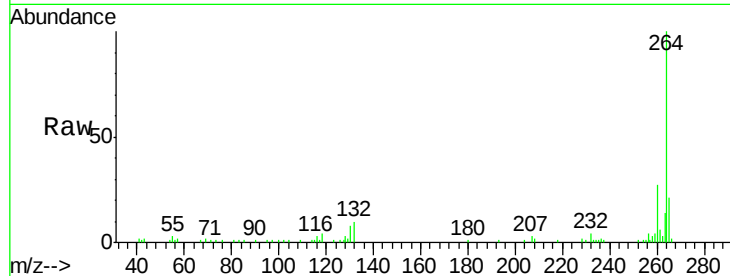


#86
Pervlene-d12
Concen: 20.00 ng
RT: 24.79 min Scan# 2074
Delta R.T. 0.00 min
Lab File: BF081735.D
Acq: 22 Sep 2015 5:39

Instrument :
BNA_F
ClientSampleId :
TRENCH-2-2

Tot Ion:264 Resp: 70502

Ion	Ratio	Lower	Upper
264	100		
260	26.7	16.7	25.1#
265	21.0	17.2	25.8



#88
Benzo(k)fluoranthene
Concen: 2.19 ng
RT: 24.46 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BF081735.D
Acq: 22 Sep 2015 5:39

Tgt Ion:252 Resp: 9143

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.4
125	10.1	16.0	24.0#

