

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092215\
 Data File : BF081753.D
 Acq On : 22 Sep 2015 23:05
 Operator : UM/IZ
 Sample : G3747-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-2-2

Quant Time: Sep 23 01:02:07 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

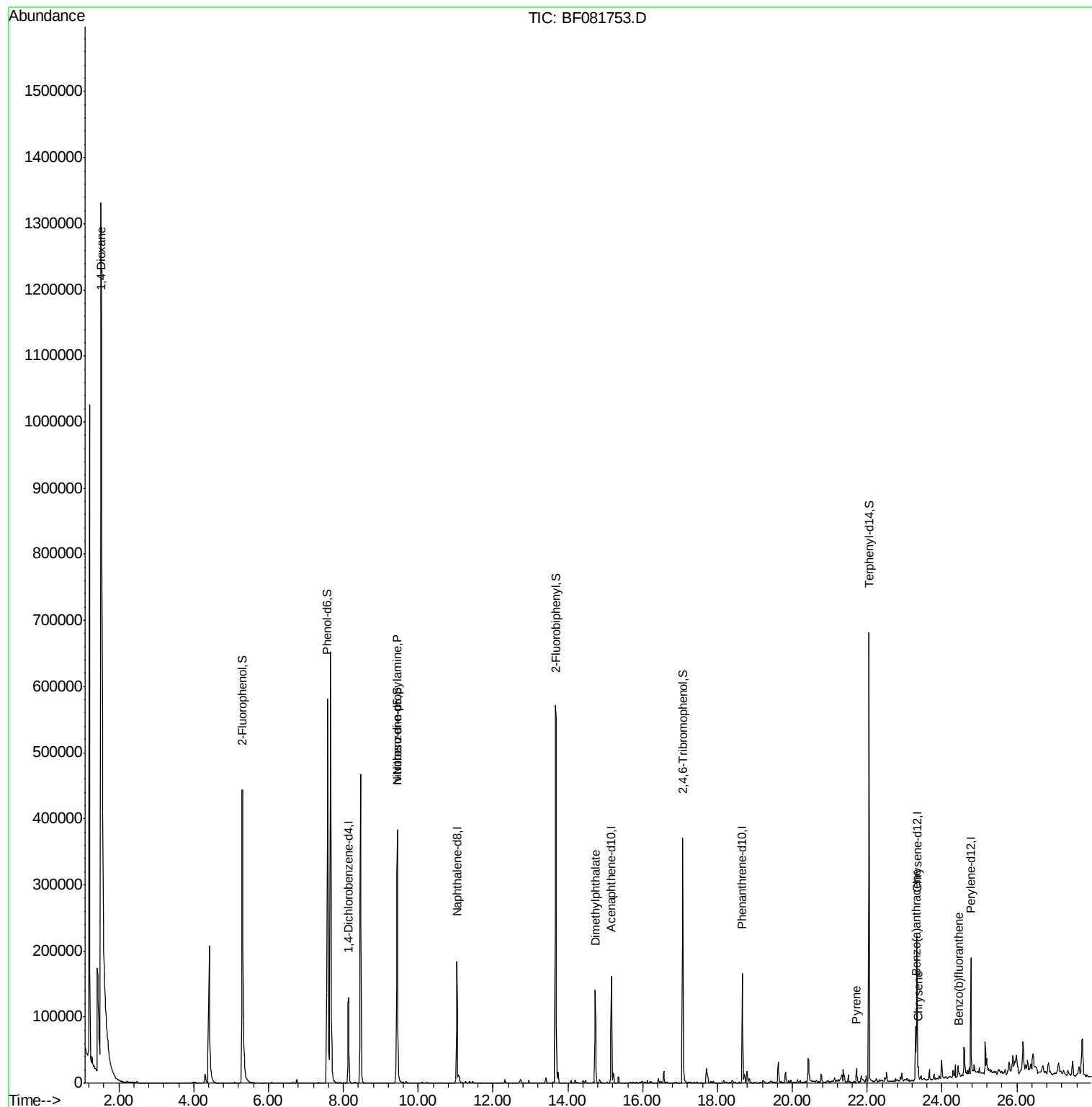
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	37351	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	139262	20.00	ng	-0.01
38) Acenaphthene-d10	15.16	164	63559	20.00	ng	-0.01
63) Phenanthrene-d10	18.67	188	117114	20.00	ng	-0.01
75) Chrysene-d12	23.33	240	76743	20.00	ng	0.00
86) Perylene-d12	24.77	264	66798	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	244473	101.55	ng	0.02
7) Phenol-d6	7.58	99	348781	109.45	ng	0.00
23) Nitrobenzene-d5	9.44	82	229684	79.57	ng	-0.01
41) 2,4,6-Tribromophenol	17.07	330	65845	116.35	ng	-0.01
44) 2-Fluorobiphenyl	13.68	172	356242	71.83	ng	-0.01
78) Terphenyl-d14	22.05	244	240797	73.04	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.52	88	88700	82.04	ng	# 11
19) n-Nitroso-di-n-propylamine	9.44	70	30503	14.06	ng	# 67
49) Dimethylphthalate	14.73	163	95530	19.34	ng	# 98
77) Pyrene	21.72	202	12237	2.15	ng	97
80) Benzo(a)anthracene	23.32	228	10469	2.14	ng	# 83
82) Chrysene	23.36	228	13875	3.17	ng	94
87) Benzo(b)fluoranthene	24.44	252	10618	2.23	ng	# 88

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

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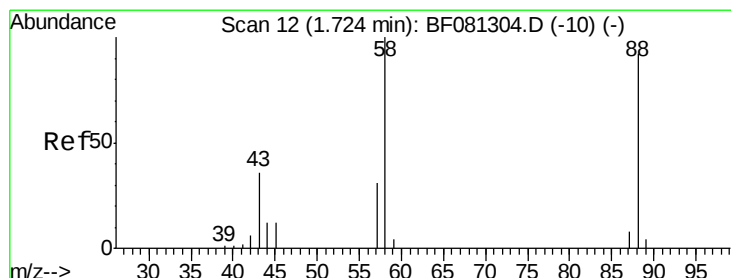
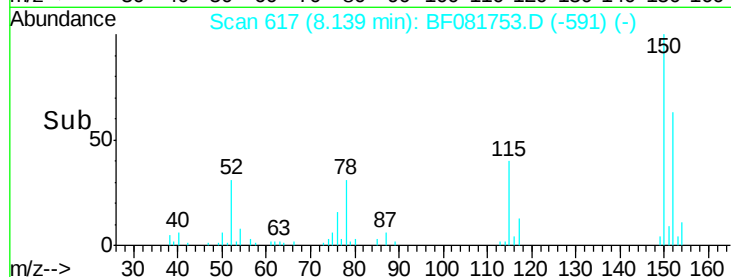
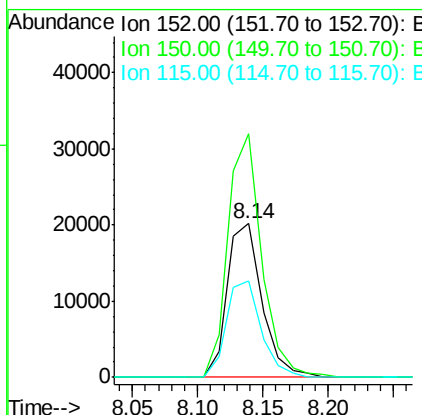
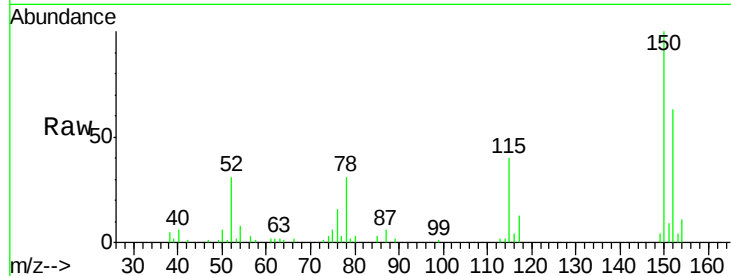


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.14 min Scan# 617
Delta R.T. 0.00 min
Lab File: BF081753.D
Acq: 22 Sep 2015 23:05

Instrument :
BNA_F
ClientSampleId :
TRENCH-2-2

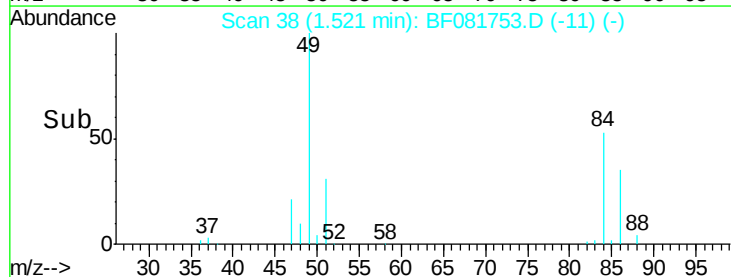
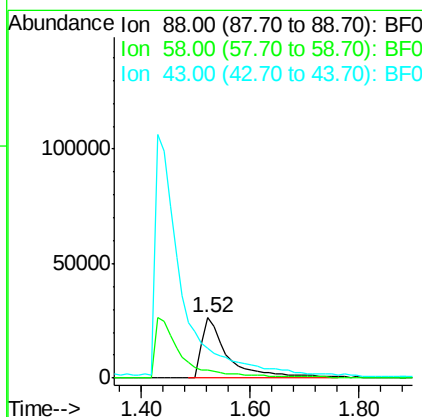
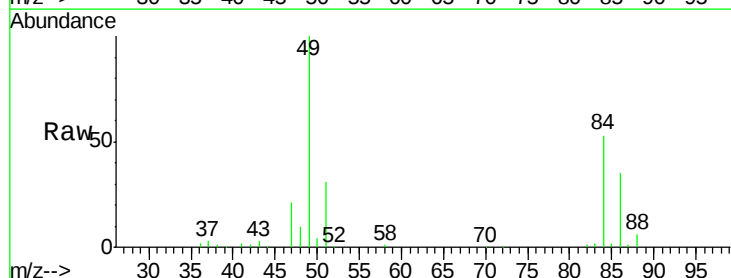
Tot Ion:152 Resp: 37351
Ion Ratio Lower Upper
152 100
150 158.4 124.7 187.1
115 62.8 39.0 58.4#



#2

1,4-Dioxane
Concen: 82.04 ng
RT: 1.52 min Scan# 38
Delta R.T. 0.01 min
Lab File: BF081753.D
Acq: 22 Sep 2015 23:05

Tgt Ion: 88 Resp: 88700
Ion Ratio Lower Upper
88 100
58 0.0 77.7 116.5#
43 0.0 26.6 40.0#





#5

2-Fluorophenol

Concen: 101.55 ng

RT: 5.30 min Scan# 369

Delta R.T. 0.02 min

Lab File: BF081753.D

Acq: 22 Sep 2015 23:05

Instrument :

BNA_F

ClientSampleId :

TRENCH-2-2

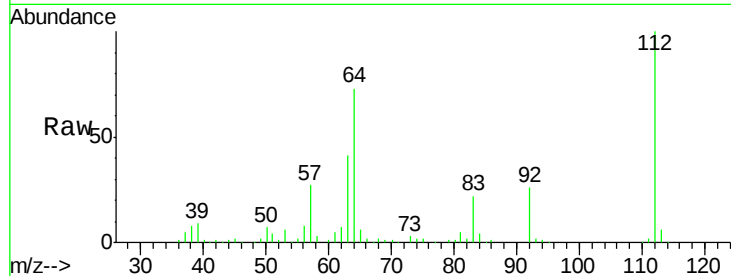
Tot Ion: 112 Resp: 244473

Ion Ratio Lower Upper

112 100

64 73.1 39.7 59.5#

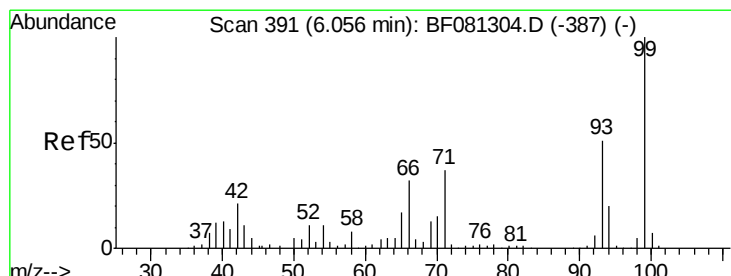
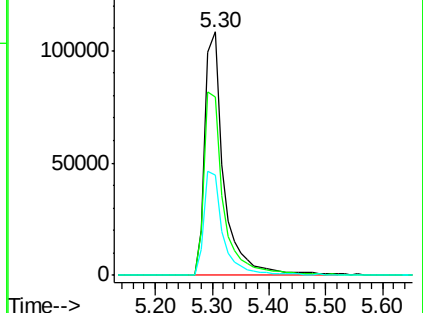
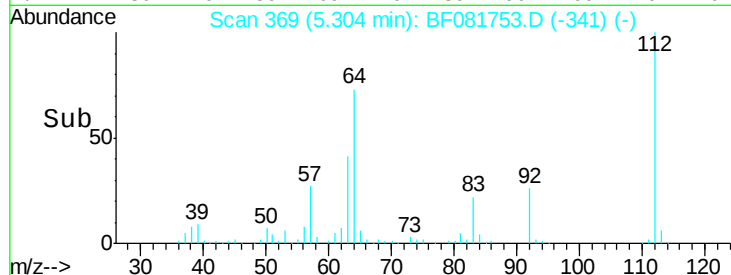
63 41.3 17.4 26.0#



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: 109.45 ng

RT: 7.58 min Scan# 568

Delta R.T. 0.00 min

Lab File: BF081753.D

Acq: 22 Sep 2015 23:05

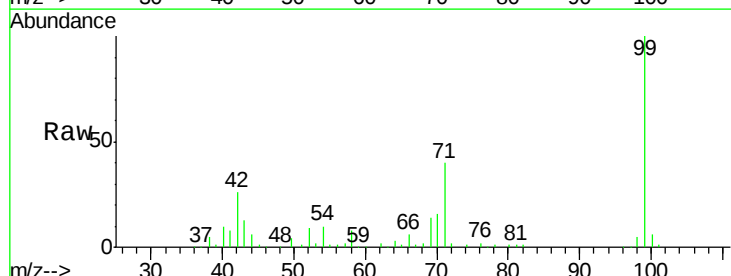
Tgt Ion: 99 Resp: 348781

Ion Ratio Lower Upper

99 100

42 25.7 13.7 20.5#

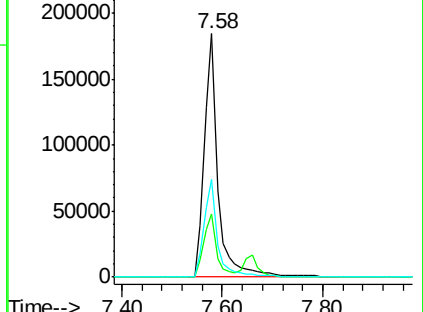
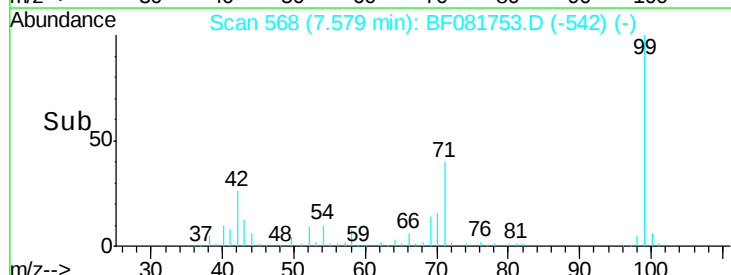
71 40.2 14.2 21.2#

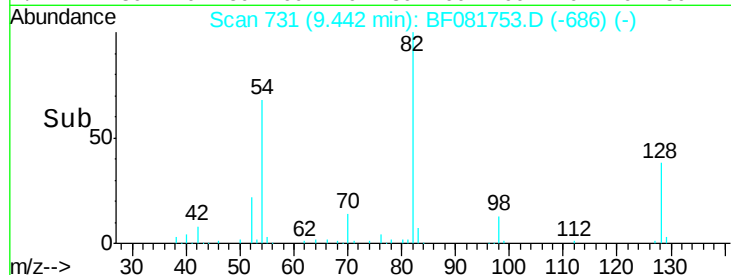
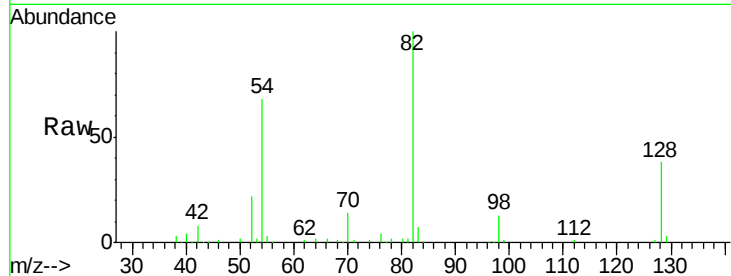
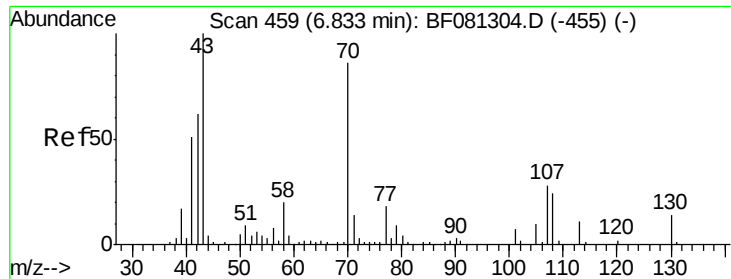


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

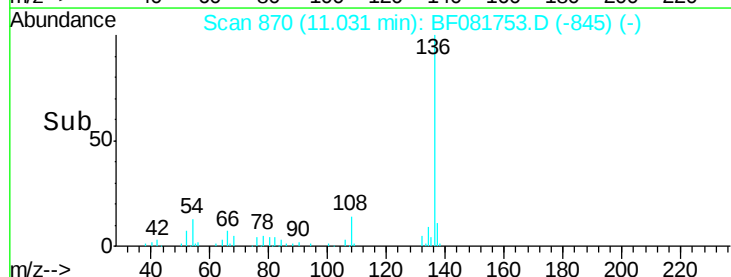
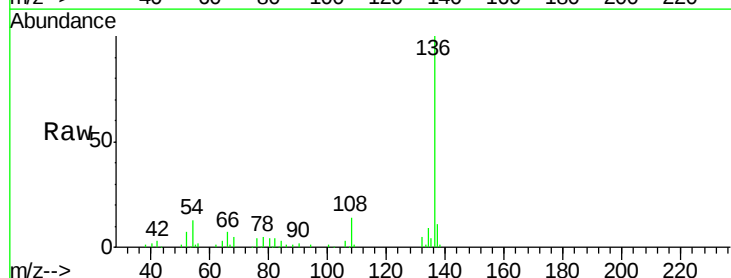
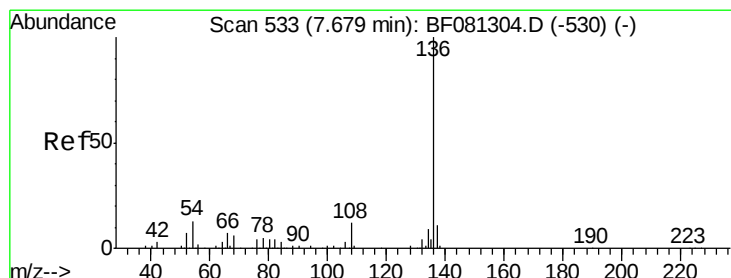
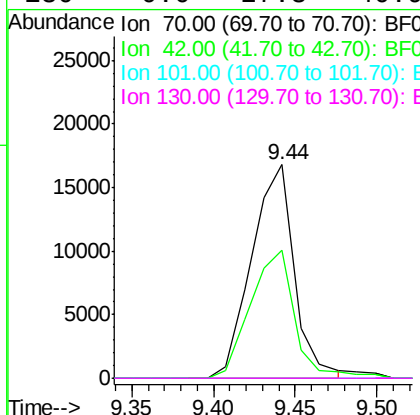




#19
n-Nitroso-di-n-propylamine
Concen: 14.06 ng
RT: 9.44 min Scan# 731
Delta R.T. 0.22 min
Lab File: BF081753.D
Acq: 22 Sep 2015 23:05

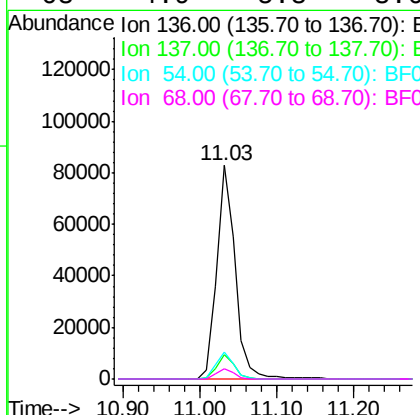
Instrument :
BNA_F
ClientSampleId :
TRENCH-2-2

Tot Ion: 70 Resp: 30503
Ion Ratio Lower Upper
70 100
42 59.8 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: BF081753.D
Acq: 22 Sep 2015 23:05

Tgt Ion: 136 Resp: 139262
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 12.5 8.2 12.2#
68 4.9 5.8 8.6#

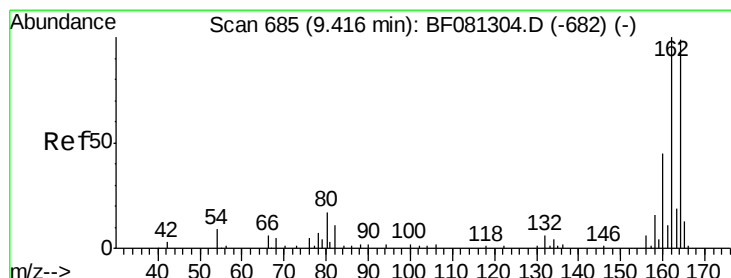
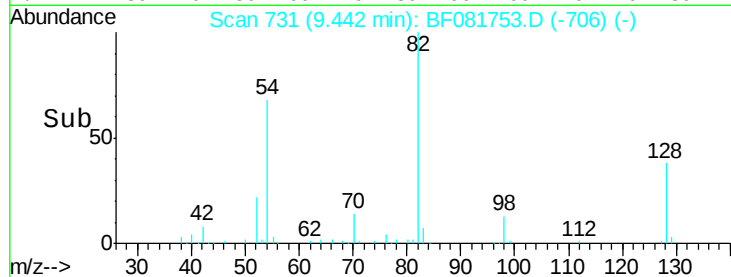
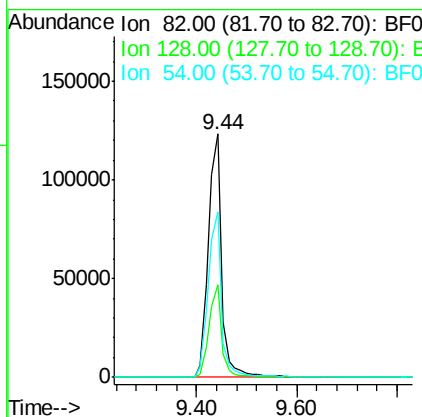
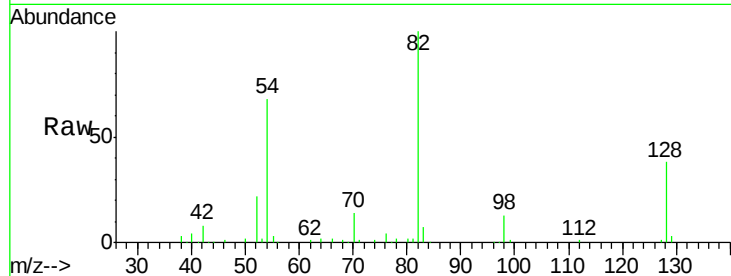




#23
 Nitrobenzene-d5
 Concen: 79.57 ng
 RT: 9.44 min Scan# 731
 Delta R.T. -0.01 min
 Lab File: BF081753.D
 Acq: 22 Sep 2015 23:05

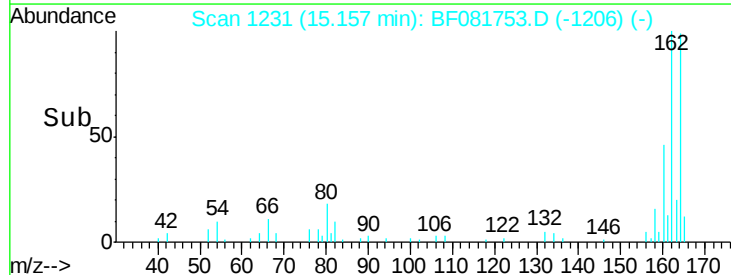
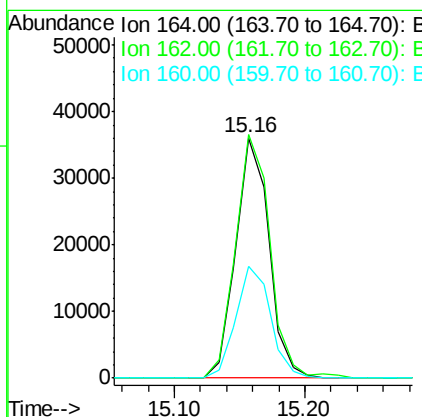
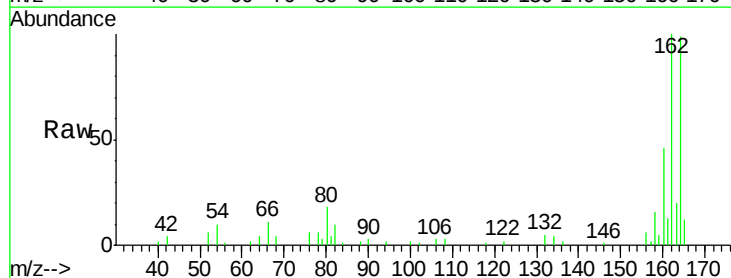
Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-2-2

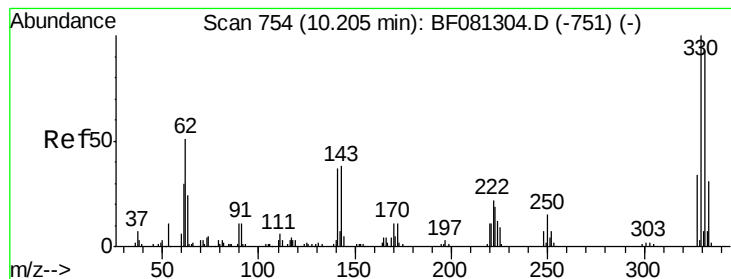
Tot Ion: 82 Resp: 229684
 Ion Ratio Lower Upper
 82 100
 128 38.2 51.0 76.6#
 54 68.0 47.5 71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.16 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF081753.D
 Acq: 22 Sep 2015 23:05

Tgt Ion: 164 Resp: 63559
 Ion Ratio Lower Upper
 164 100
 162 101.3 75.2 112.8
 160 46.3 31.5 47.3





#41

2,4,6-Tribromophenol

Concen: 116.35 ng

RT: 17.07 min Scan# 1398

Delta R.T. -0.01 min

Lab File: BF081753.D

Acq: 22 Sep 2015 23:05

Instrument :

BNA_F

ClientSampleId :

TRENCH-2-2

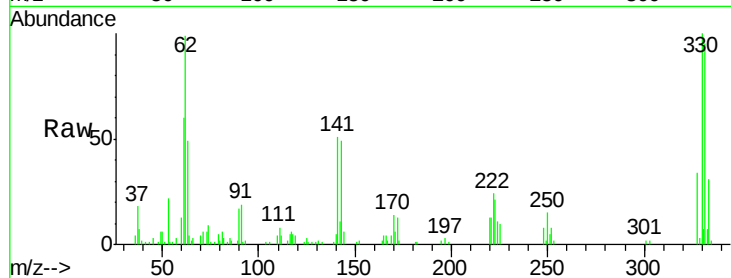
Tot Ion:330 Resp: 65845

Ion Ratio Lower Upper

330 100

332 94.4 76.6 114.8

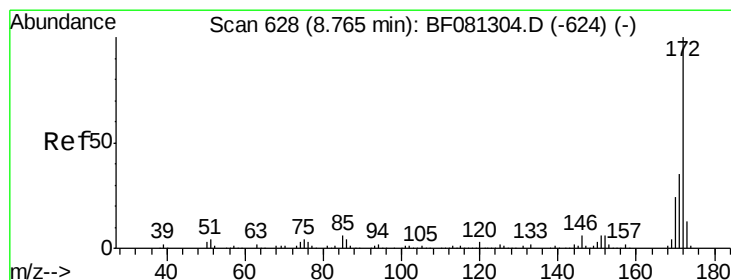
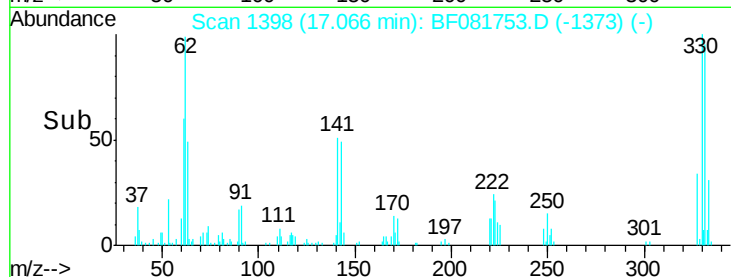
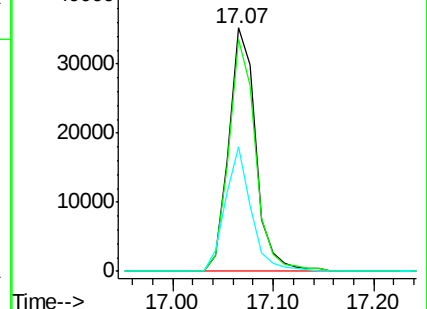
141 49.1 29.7 44.5#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 71.83 ng

RT: 13.68 min Scan# 1102

Delta R.T. -0.01 min

Lab File: BF081753.D

Acq: 22 Sep 2015 23:05

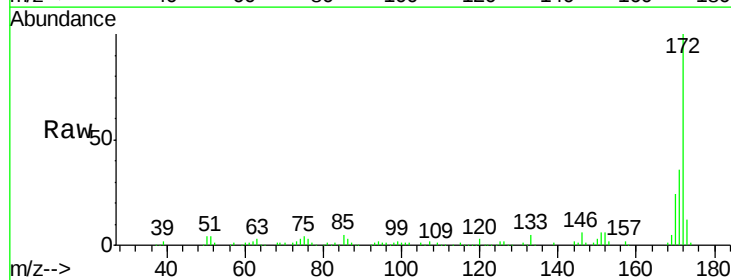
Tgt Ion:172 Resp: 356242

Ion Ratio Lower Upper

172 100

171 35.6 26.1 39.1

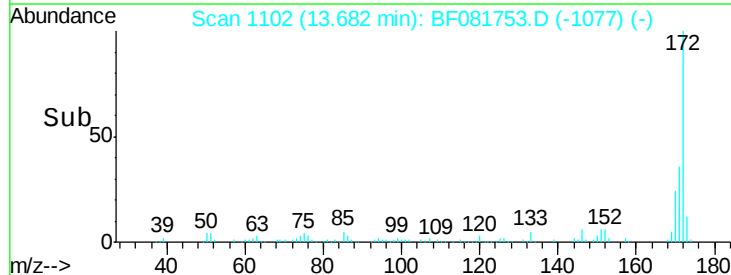
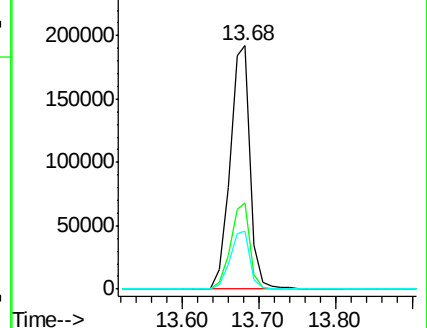
170 23.8 17.4 26.2

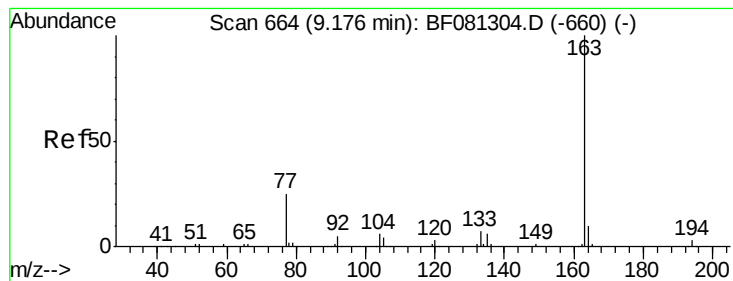


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 19.34 ng

RT: 14.73 min Scan# 1194

Delta R.T. -0.05 min

Lab File: BF081753.D

Acq: 22 Sep 2015 23:05

Instrument :

BNA_F

ClientSampleId :

TRENCH-2-2

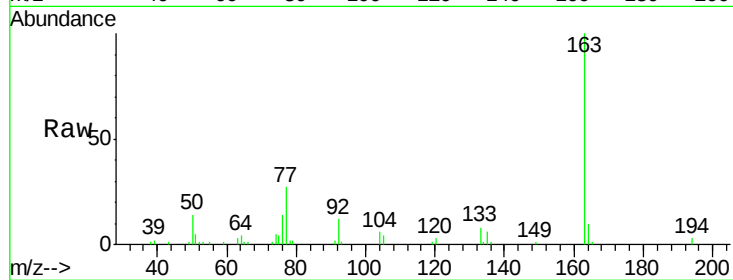
Tot Ion:163 Resp: 95530

Ion Ratio Lower Upper

163 100

194 3.1 4.4 6.6#

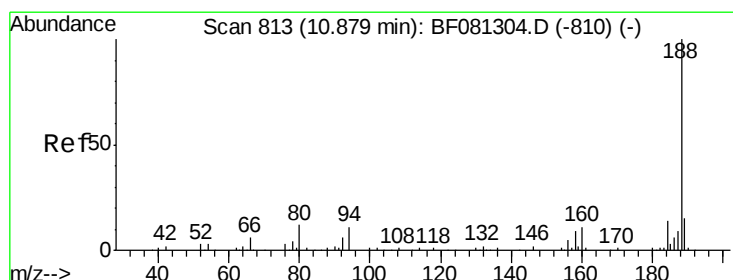
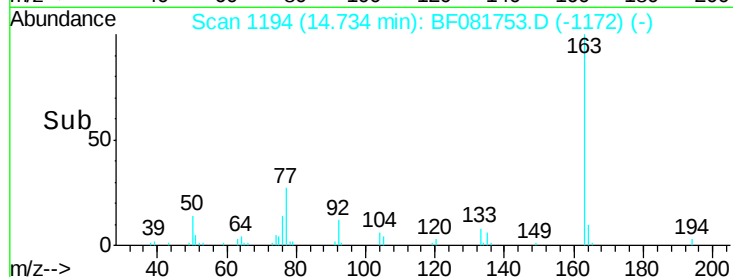
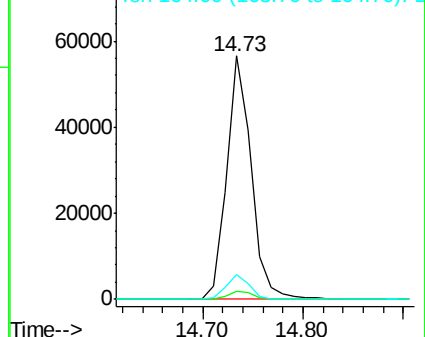
164 10.4 8.3 12.5



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: BF081753.D

Acq: 22 Sep 2015 23:05

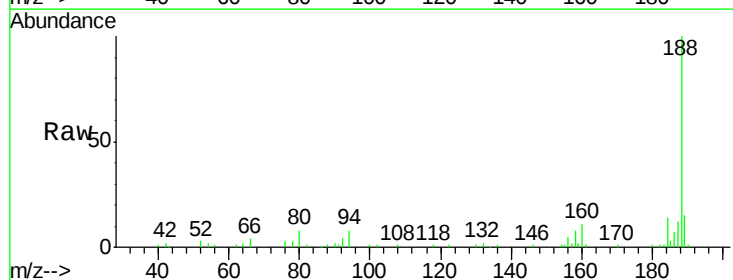
Tgt Ion:188 Resp: 117114

Ion Ratio Lower Upper

188 100

94 8.1 11.1 16.7#

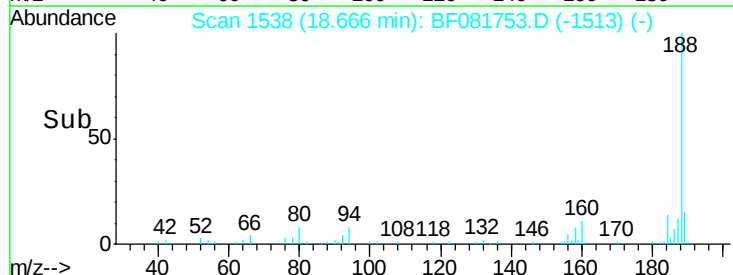
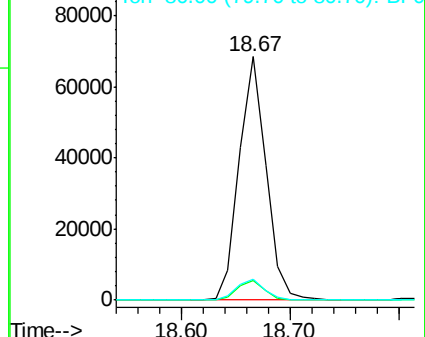
80 8.4 11.0 16.4#

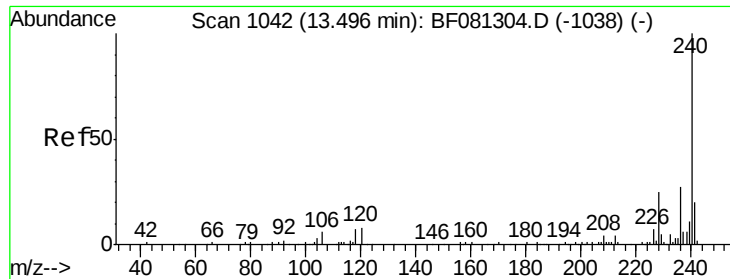


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

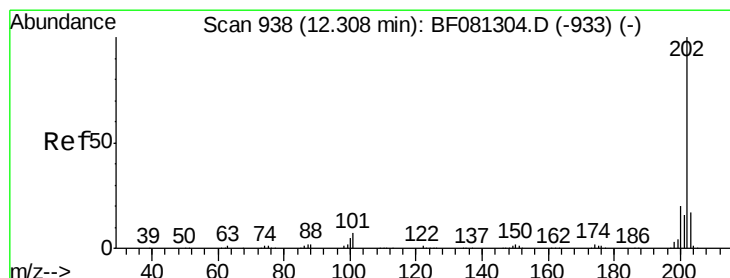
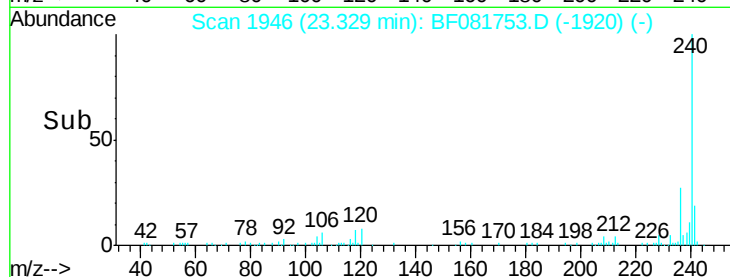
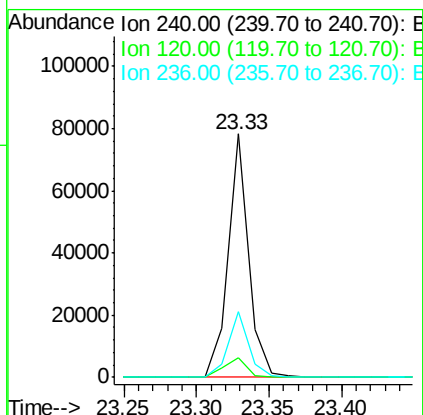
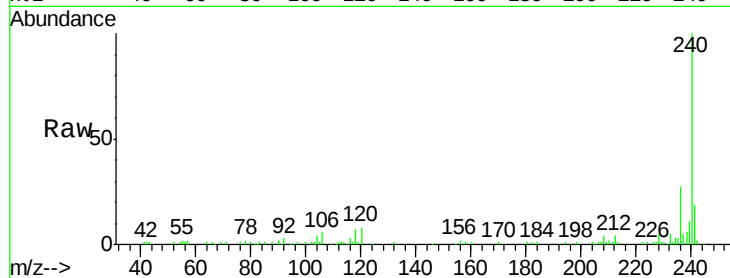




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 23.33 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: BF081753.D
 Acq: 22 Sep 2015 23:05

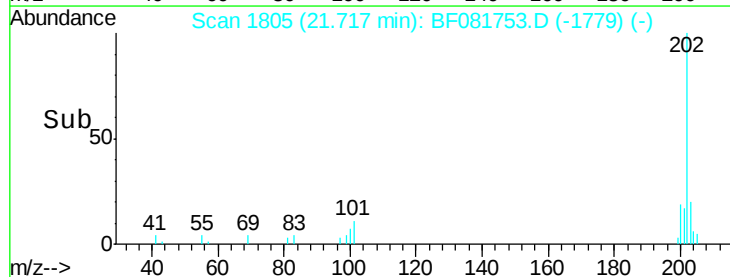
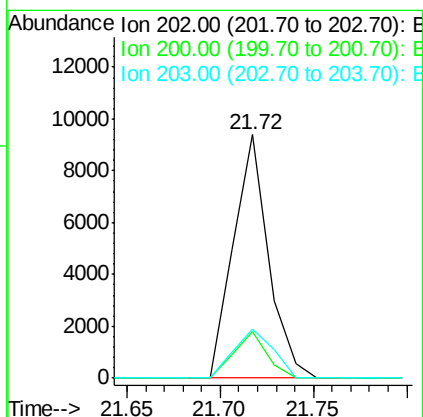
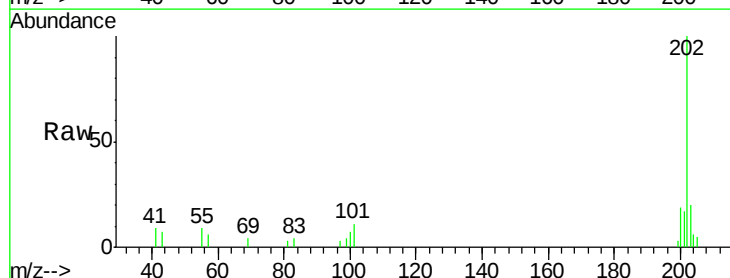
Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-2-2

Tot Ion:240 Resp: 76743
 Ion Ratio Lower Upper
 240 100
 120 8.2 16.2 24.2#
 236 26.7 18.4 27.6



#77
 Pyrene
 Concen: 2.15 ng
 RT: 21.72 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: BF081753.D
 Acq: 22 Sep 2015 23:05

Tgt Ion:202 Resp: 12237
 Ion Ratio Lower Upper
 202 100
 200 19.3 15.0 22.4
 203 19.9 14.1 21.1





#78

Terphenyl-d14

Concen: 73.04 ng

RT: 22.05 min Scan# 1834

Delta R.T. 0.00 min

Lab File: BF081753.D

Acq: 22 Sep 2015 23:05

Instrument :

BNA_F

ClientSampleId :

TRENCH-2-2

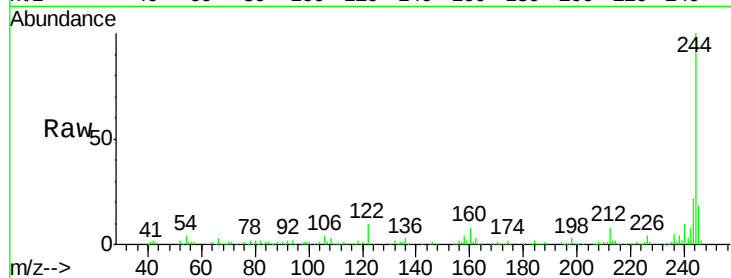
Tot Ion:244 Resp: 240797

Ion Ratio Lower Upper

244 100

212 7.8 4.3 6.5#

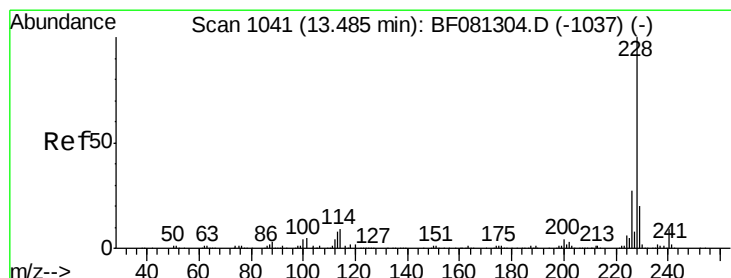
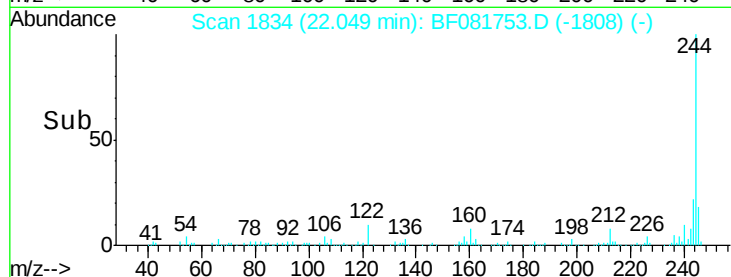
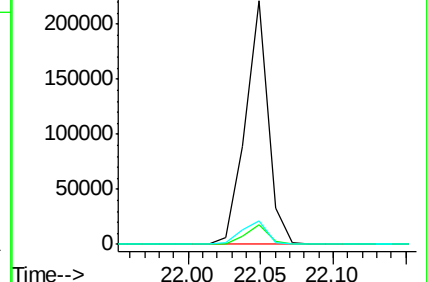
122 9.6 17.4 26.2#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.14 ng

RT: 23.32 min Scan# 1945

Delta R.T. 0.00 min

Lab File: BF081753.D

Acq: 22 Sep 2015 23:05

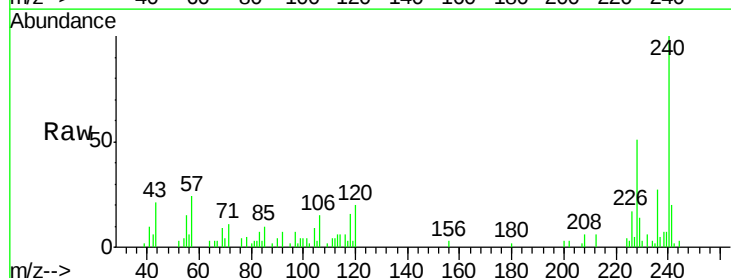
Tgt Ion:228 Resp: 10469

Ion Ratio Lower Upper

228 100

226 33.5 20.0 30.0#

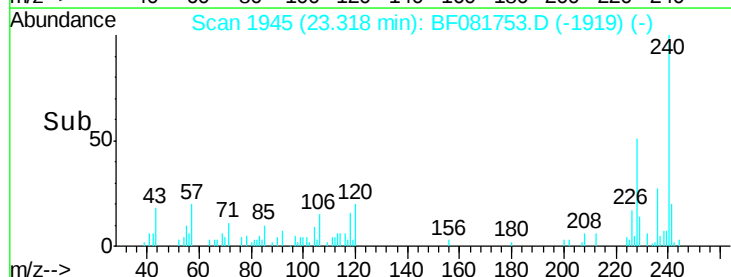
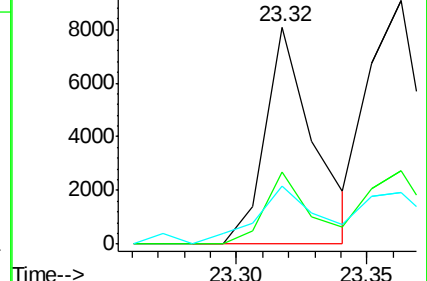
229 26.8 15.4 23.2#

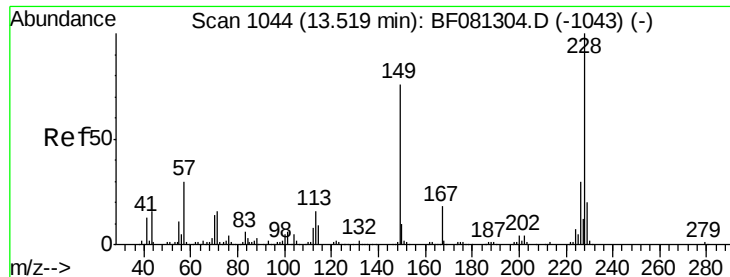


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

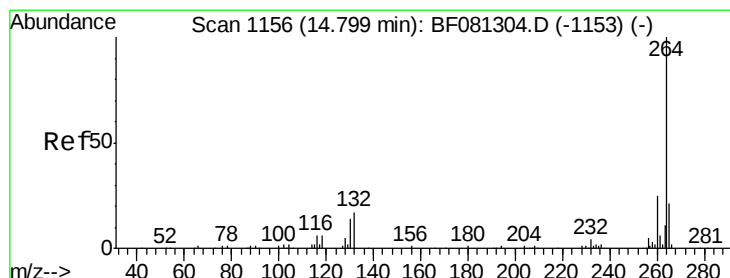
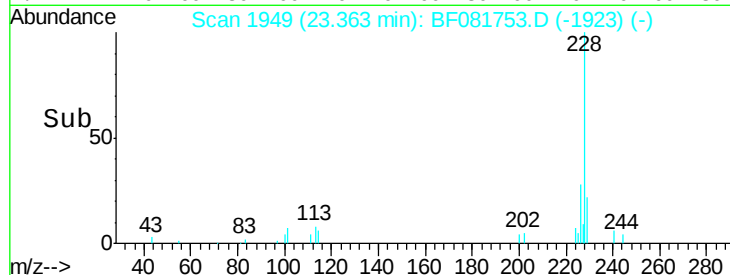
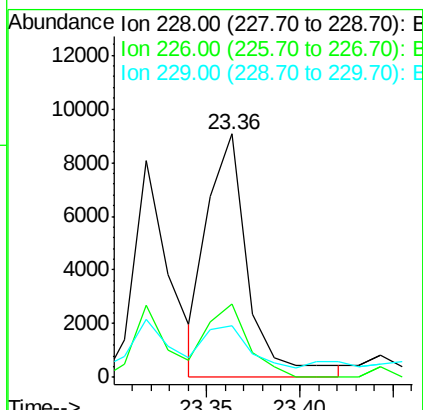
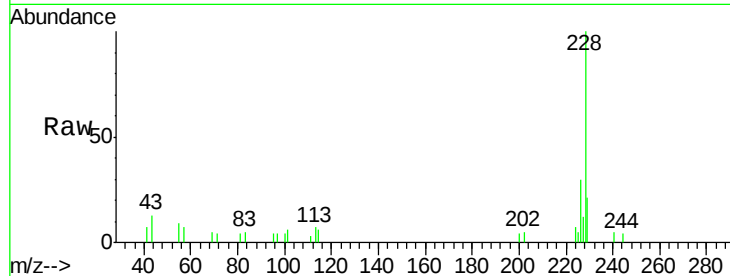




#82
Chrysene
Concen: 3.17 ng
RT: 23.36 min Scan# 1949
Delta R.T. 0.00 min
Lab File: BF081753.D
Acq: 22 Sep 2015 23:05

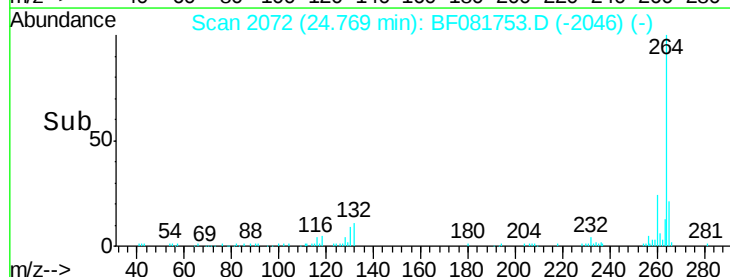
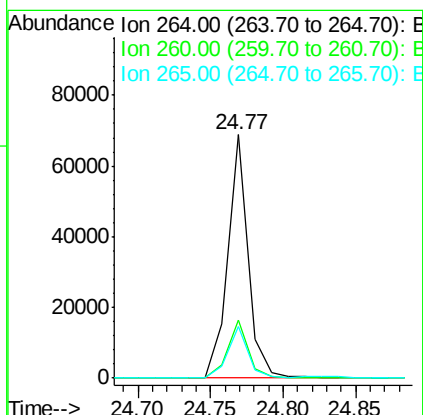
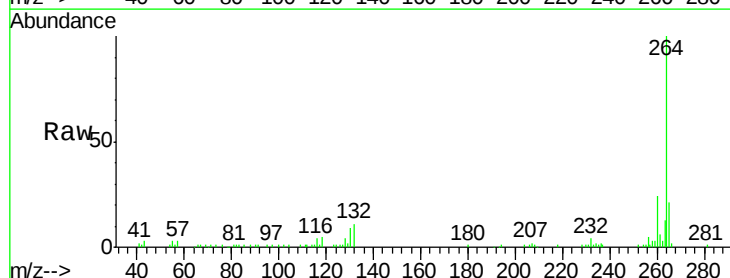
Instrument :
BNA_F
ClientSampleId :
TRENCH-2-2

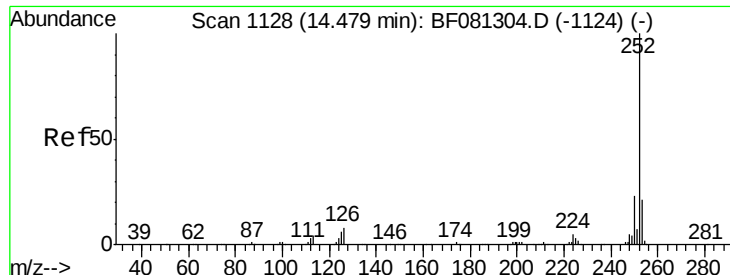
Tot Ion:228 Resp: 13875
Ion Ratio Lower Upper
228 100
226 30.3 21.0 31.4
229 20.9 15.6 23.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.77 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BF081753.D
Acq: 22 Sep 2015 23:05

Tgt Ion:264 Resp: 66798
Ion Ratio Lower Upper
264 100
260 23.6 16.7 25.1
265 21.0 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 2.23 ng

RT: 24.44 min Scan# 2043

Delta R.T. 0.01 min

Lab File: BF081753.D

Acq: 22 Sep 2015 23:05

Instrument :

BNA_F

ClientSampleId :

TRENCH-2-2

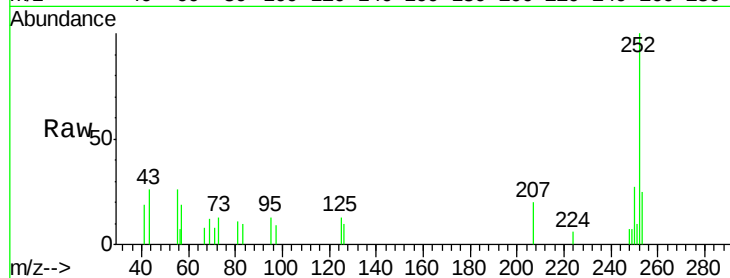
Tot Ion:252 Resp: 10618

Ion Ratio Lower Upper

252 100

253 25.5 17.5 26.3

125 13.2 17.1 25.7#



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

