

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040716\
 Data File : BF086128.D
 Acq On : 7 Apr 2016 13:21
 Operator : UM/SJ
 Sample : H2166-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L-P-C-SOIL-PILE1

Quant Time: Apr 08 01:38:25 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

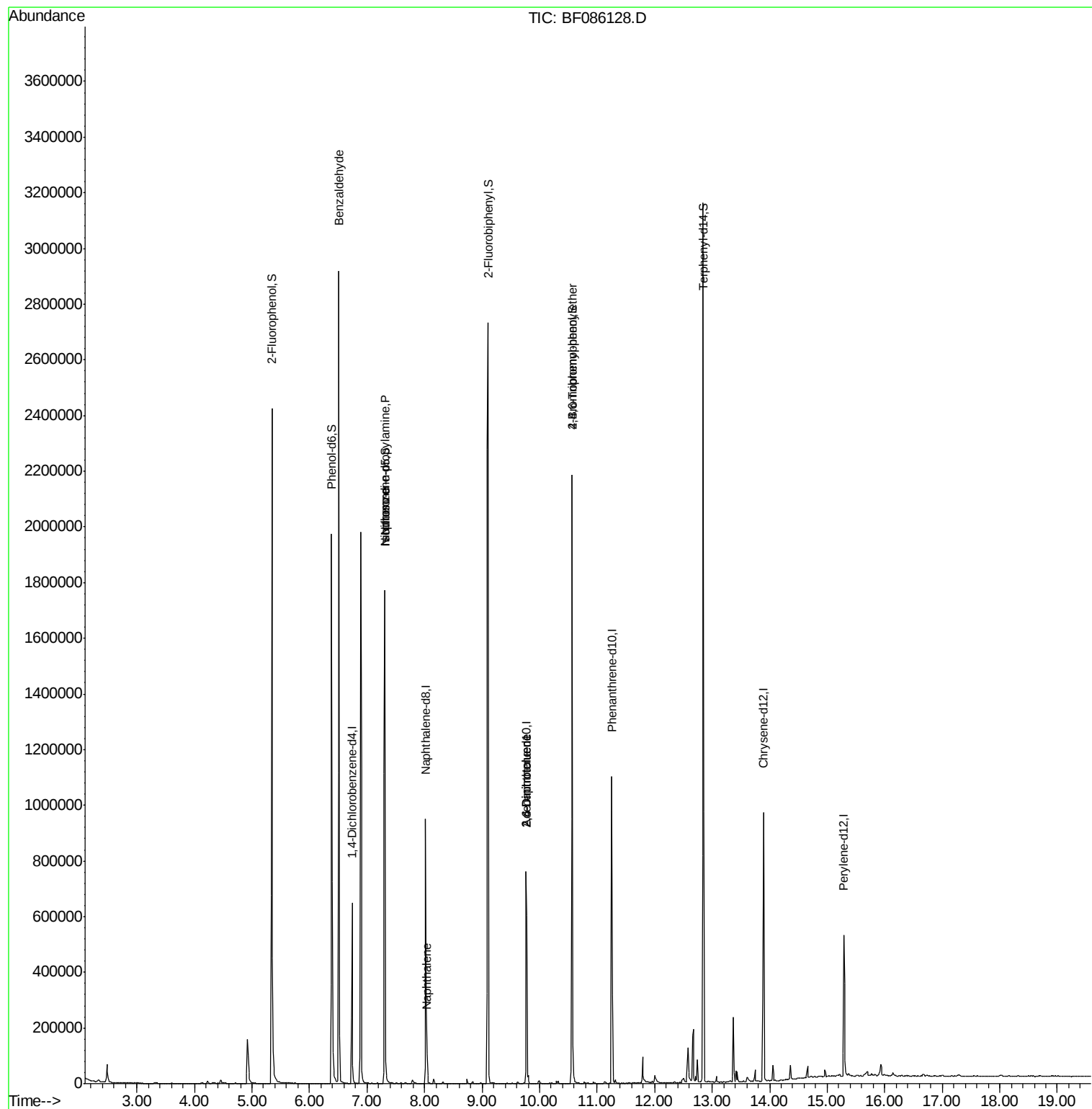
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	111310	20.00	ng	-0.03
21) Naphthalene-d8	8.02	136	444480	20.00	ng	-0.05
38) Acenaphthene-d10	9.77	164	207823	20.00	ng	-0.05
63) Phenanthrene-d10	11.25	188	403816	20.00	ng	-0.05
75) Chrysene-d12	13.89	240	336984	20.00	ng	-0.03
86) Perylene-d12	15.29	264	232760	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	807006	123.93	ng	-0.02
7) Phenol-d6	6.38	99	889547	107.54	ng	-0.03
23) Nitrobenzene-d5	7.31	82	760471	100.90	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	302367	155.01	ng	-0.03
44) 2-Fluorobiphenyl	9.10	172	1272790	101.83	ng	-0.03
78) Terphenyl-d14	12.84	244	1143253	79.75	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.51	77	19630	4.41	ng	85
19) n-Nitroso-di-n-propylamine	7.31	70	99547	19.42	ng	# 75
25) Isophorone	7.31	82	751273	50.50	ng	# 68
31) Naphthalene	8.04	128	45551	2.04	ng	98
50) 2,6-Dinitrotoluene	9.77	165	26197	8.04	ng	# 19
56) 2,4-Dinitrotoluene	9.77	165	26198	6.36	ng	# 37
66) 4-Bromophenyl-phenylether	10.57	248	20731	5.03	ng	# 1

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

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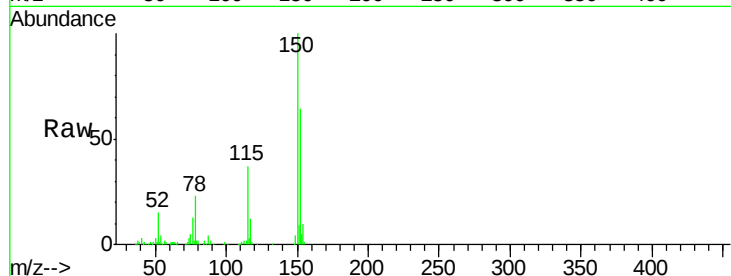


#1

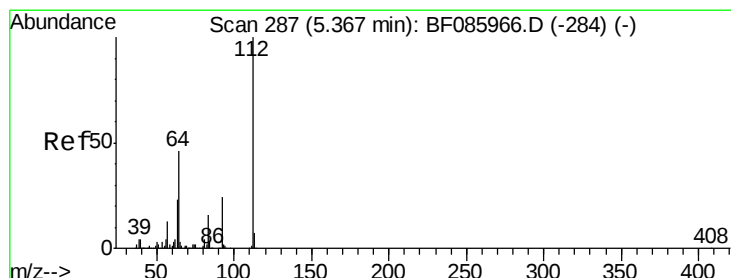
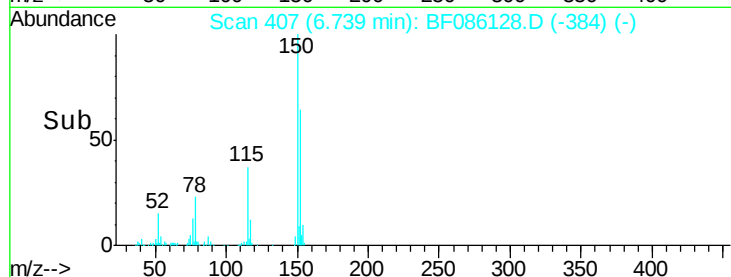
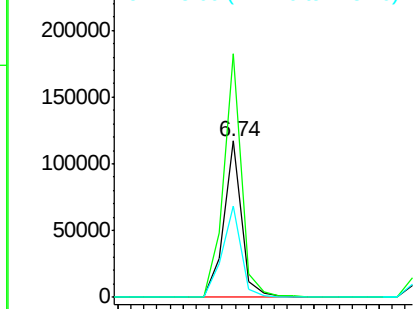
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.03 min
Lab File: BF086128.D
Acq: 7 Apr 2016 13:21

Instrument :
BNA_F
ClientSampleId :
L-P-C-SOIL-PILE1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.2	186.2
115	58.3	47.0	70.6



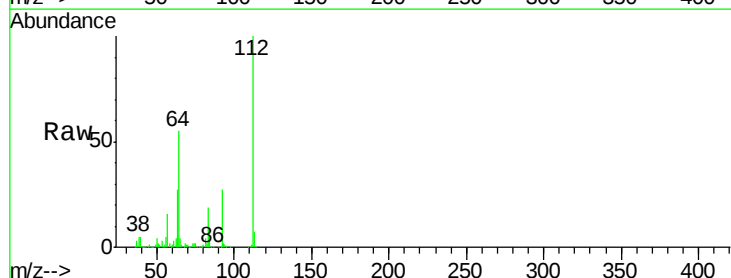
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



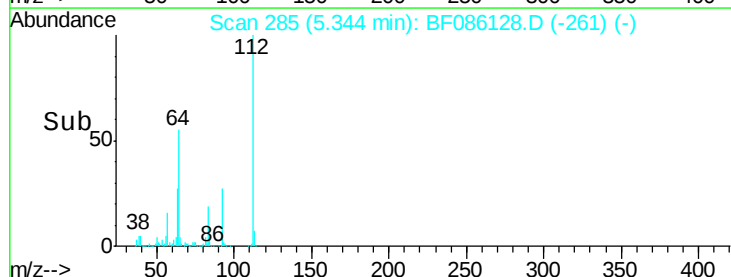
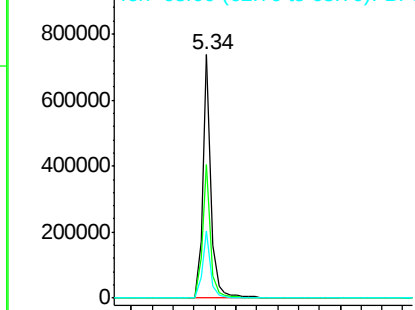
#5

2-Fluorophenol
Concen: 123.93 ng
RT: 5.34 min Scan# 285
Delta R.T. -0.02 min
Lab File: BF086128.D
Acq: 7 Apr 2016 13:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	39.9	59.9
63	27.3	20.2	30.2



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: 107.54 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086128.D

Acq: 7 Apr 2016 13:21

Instrument :

BNA_F

ClientSampleId :

L-P-C-SOIL-PILE1

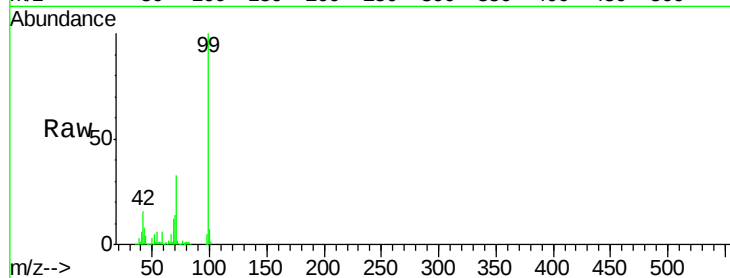
Tgt Ion: 99 Resp: 889547

Ion Ratio Lower Upper

99 100

42 15.7 11.1 16.7

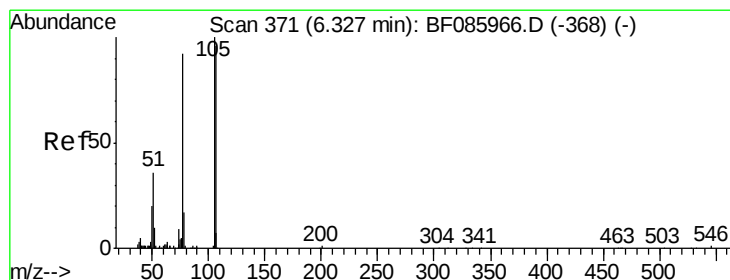
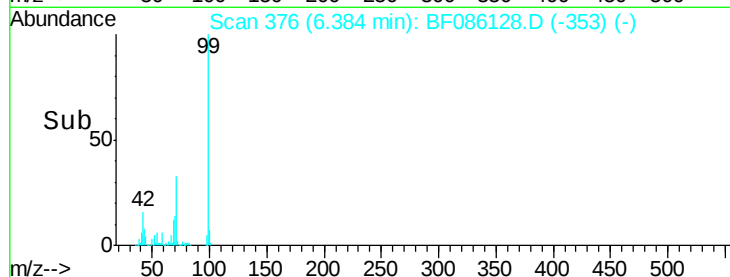
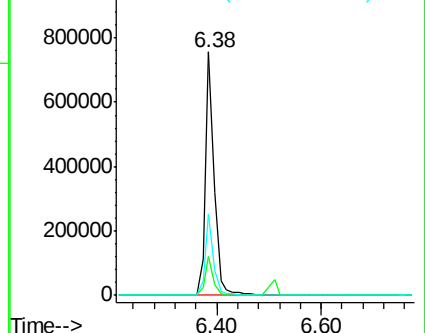
71 33.4 24.9 37.3



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: 4.41 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.18 min

Lab File: BF086128.D

Acq: 7 Apr 2016 13:21

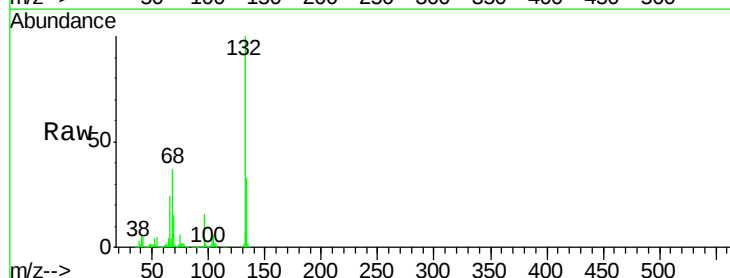
Tgt Ion: 77 Resp: 19630

Ion Ratio Lower Upper

77 100

105 85.2 80.1 120.1

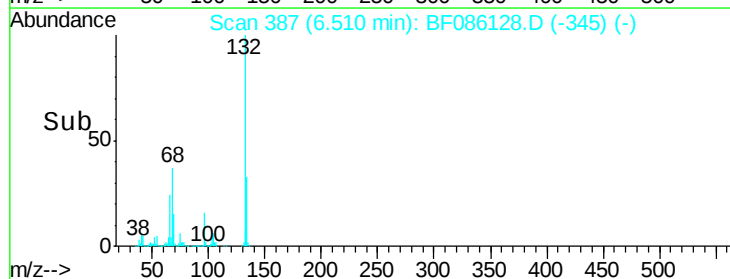
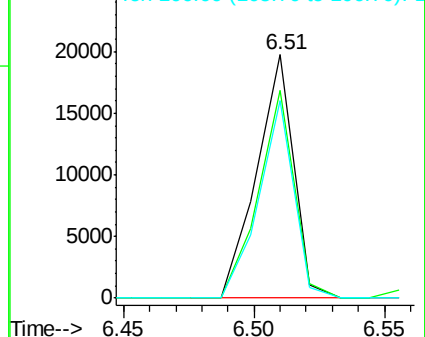
106 81.0 75.0 115.0

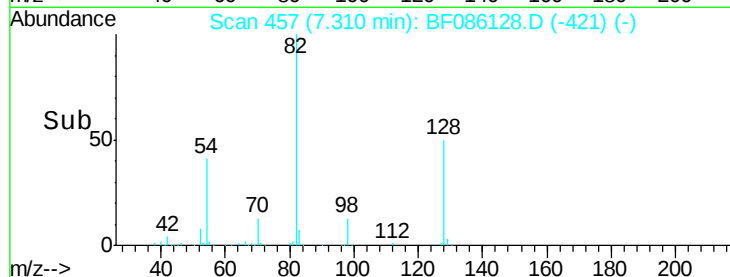
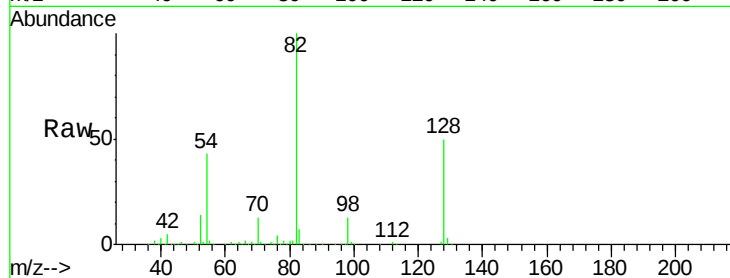
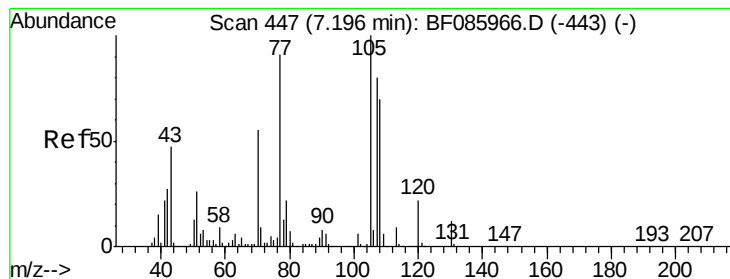


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 19.42 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.11 min

Lab File: BF086128.D

Acq: 7 Apr 2016 13:21

Instrument :

BNA_F

ClientSampleId :

L-P-C-SOIL-PILE1

Tgt Ion: 70 Resp: 99547

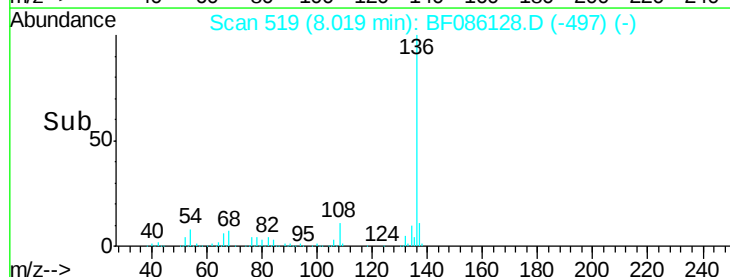
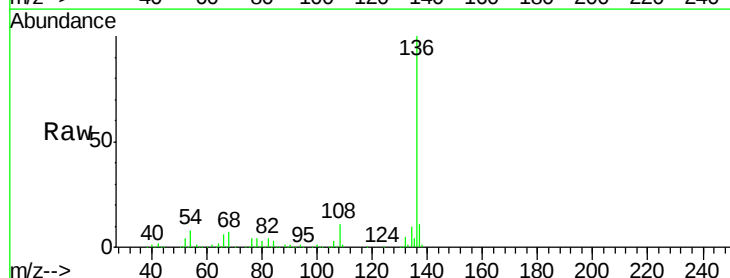
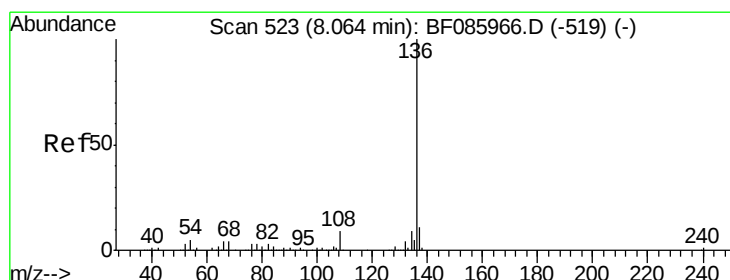
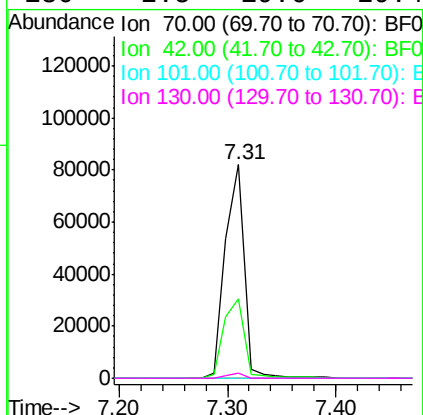
Ion Ratio Lower Upper

70 100

42 37.1 37.1 55.7#

101 0.0 8.6 12.8#

130 2.5 19.6 29.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF086128.D

Acq: 7 Apr 2016 13:21

Tgt Ion: 136 Resp: 444480

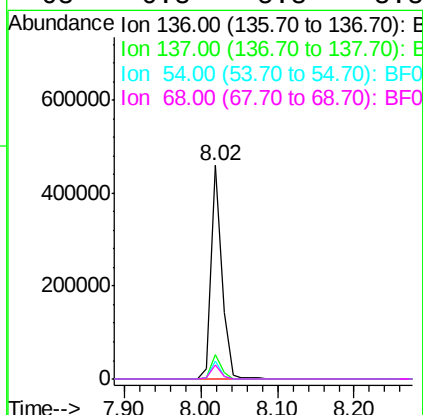
Ion Ratio Lower Upper

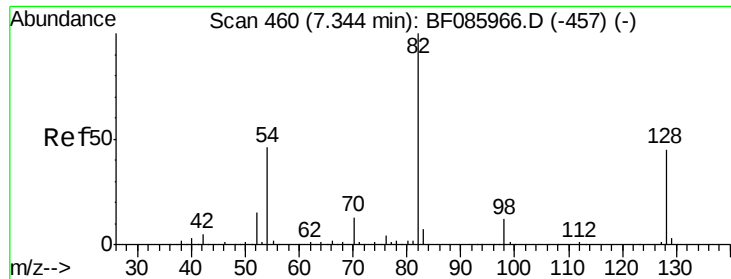
136 100

137 11.5 9.1 13.7

54 8.2 7.4 11.0

68 6.8 5.8 8.8

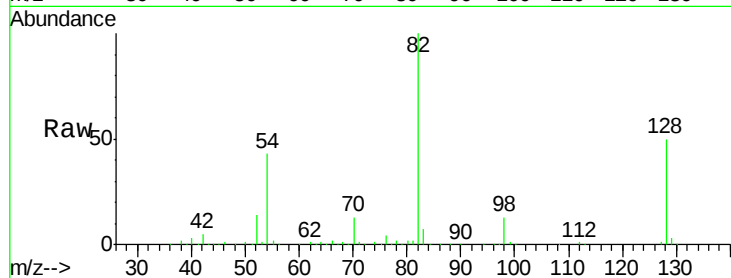




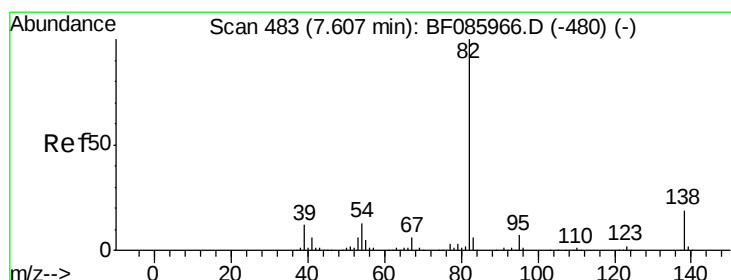
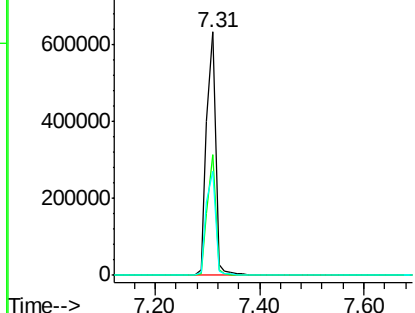
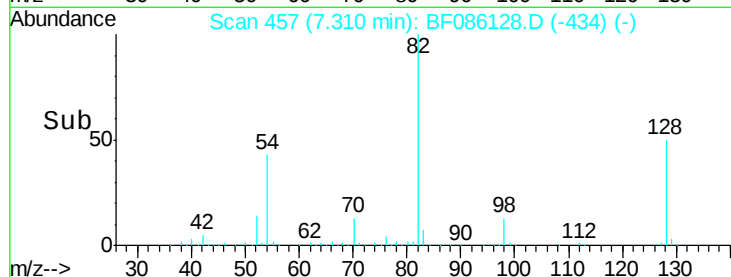
#23
 Nitrobenzene-d5
 Concen: 100.90 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF086128.D
 Acq: 7 Apr 2016 13:21

Instrument :
 BNA_F
 ClientSampleId :
 L-P-C-SOIL-PILE1

Tgt Ion: 82 Resp: 760471
 Ion Ratio Lower Upper
 82 100
 128 49.8 41.8 62.8
 54 42.8 33.4 50.0

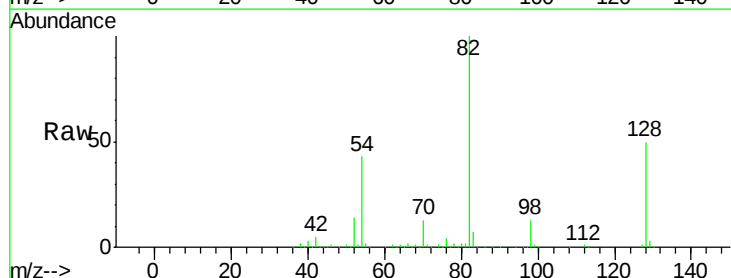


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

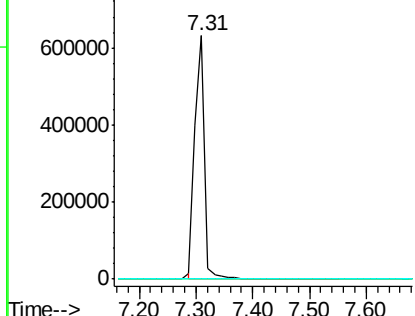
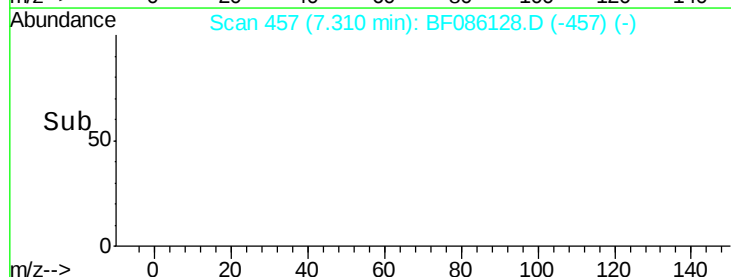


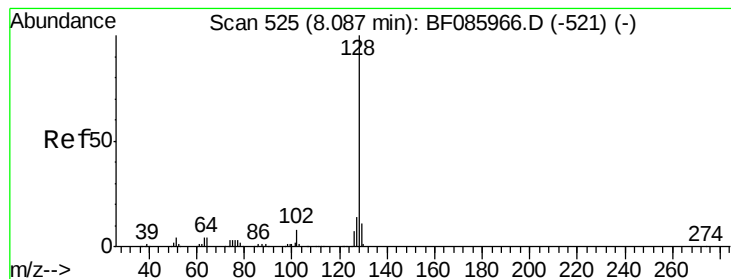
#25
 Isophorone
 Concen: 50.50 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.30 min
 Lab File: BF086128.D
 Acq: 7 Apr 2016 13:21

Tgt Ion: 82 Resp: 751273
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 12.9 19.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 2.04 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.05 min

Lab File: BF086128.D

Acq: 7 Apr 2016 13:21

Instrument :

BNA_F

ClientSampleId :

L-P-C-SOIL-PILE1

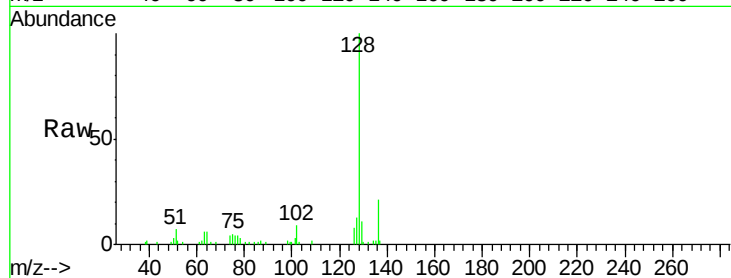
Tgt Ion:128 Resp: 45551

Ion Ratio Lower Upper

128 100

129 11.1 9.4 14.0

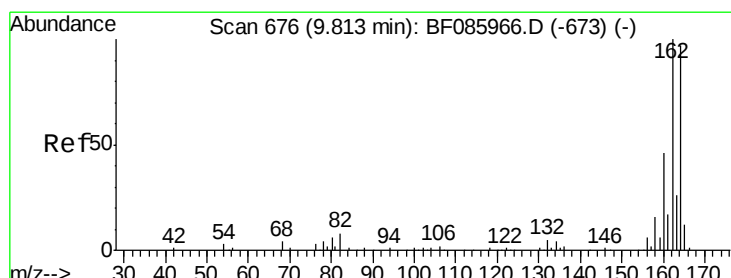
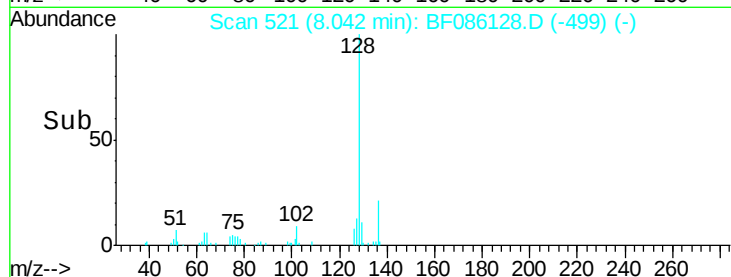
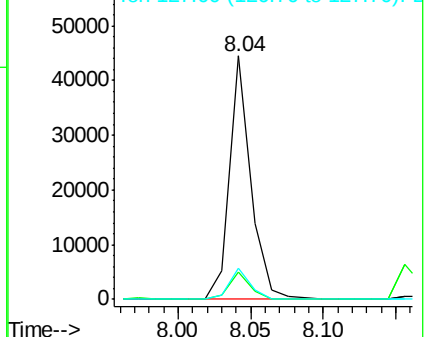
127 13.0 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.05 min

Lab File: BF086128.D

Acq: 7 Apr 2016 13:21

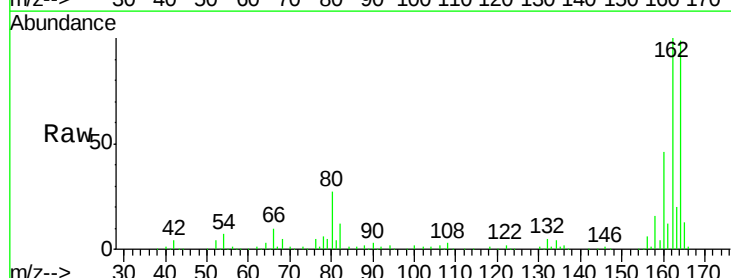
Tgt Ion:164 Resp: 207823

Ion Ratio Lower Upper

164 100

162 100.8 82.1 123.1

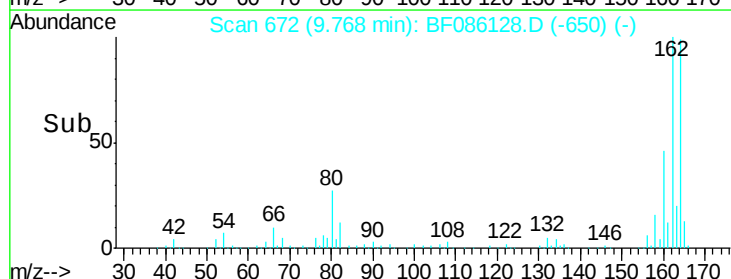
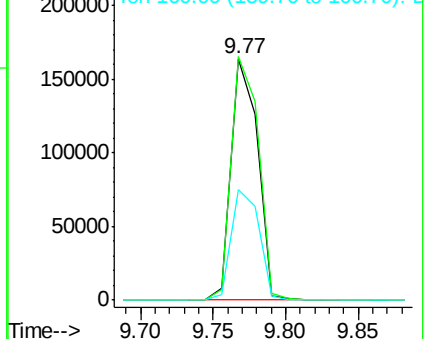
160 45.9 37.4 56.2

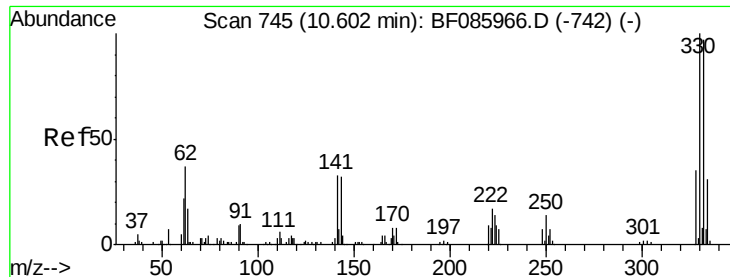


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

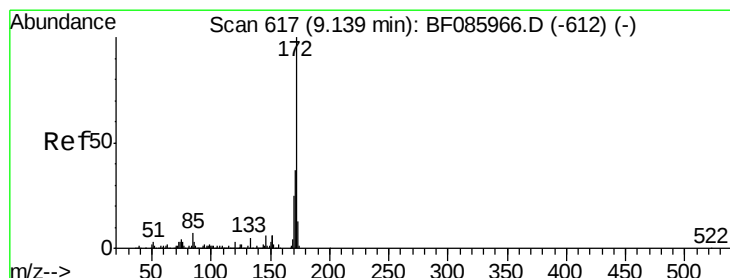
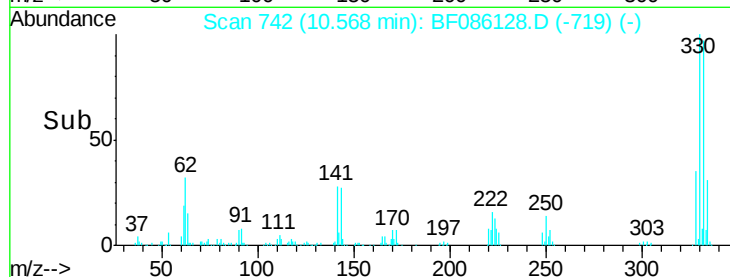
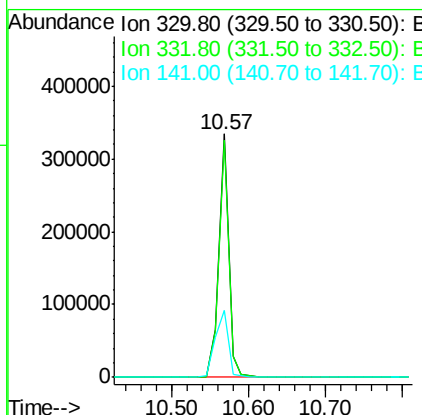
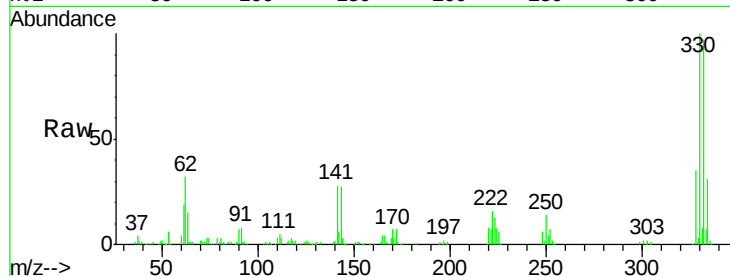




#41
 2,4,6-Tribromophenol
 Concen: 155.01 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.03 min
 Lab File: BF086128.D
 Acq: 7 Apr 2016 13:21

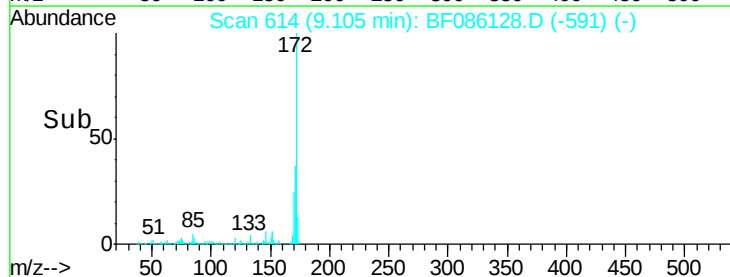
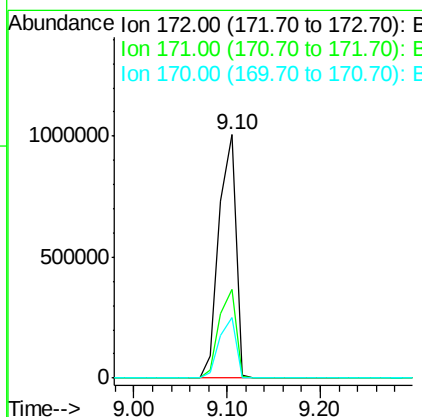
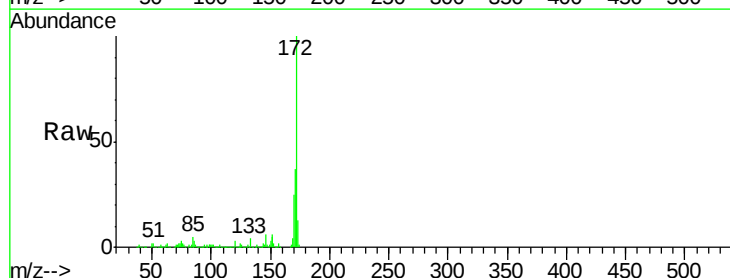
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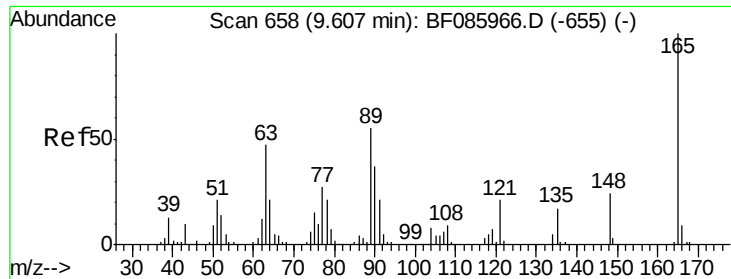
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.2	117.2
141	35.6	31.5	47.3



#44
 2-Fluorobiphenyl
 Concen: 101.83 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.03 min
 Lab File: BF086128.D
 Acq: 7 Apr 2016 13:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.2
170	24.6	19.8	29.6

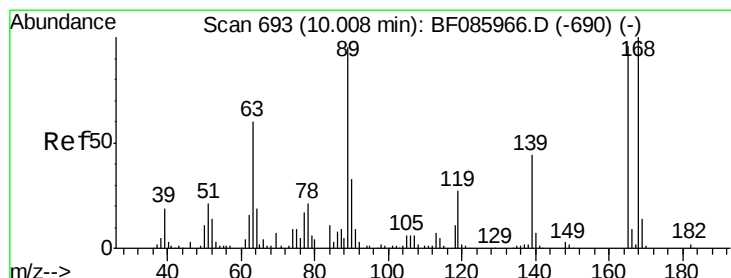
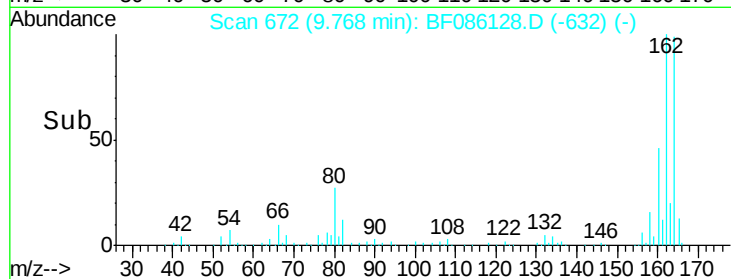
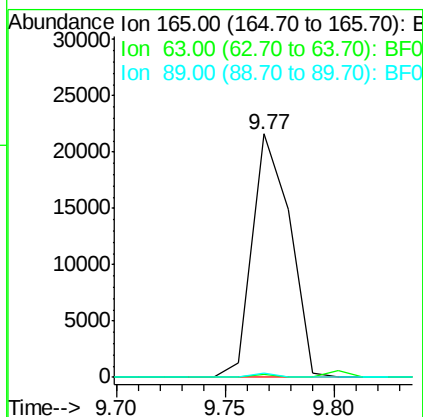
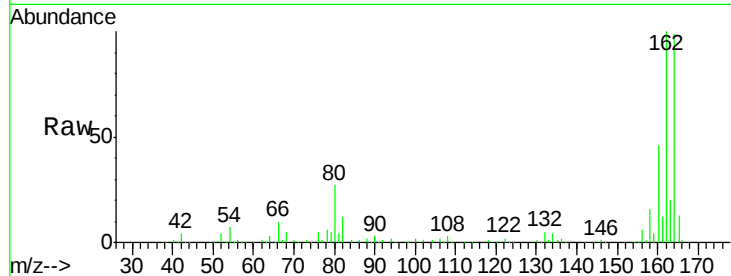




#50
 2,6-Dinitrotoluene
 Concen: 8.04 ng
 RT: 9.77 min Scan# 672
 Delta R.T. 0.16 min
 Lab File: BF086128.D
 Acq: 7 Apr 2016 13:21

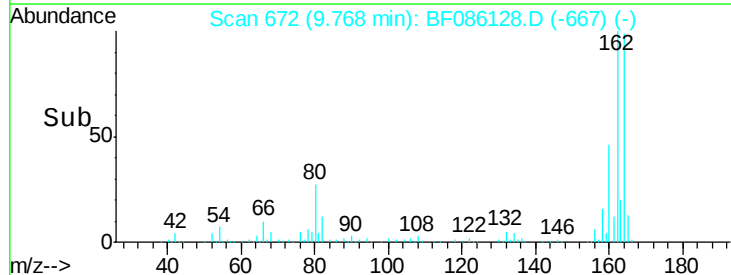
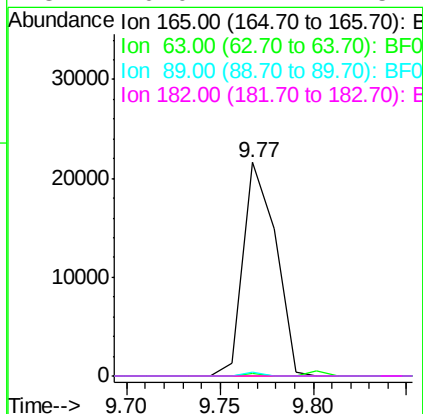
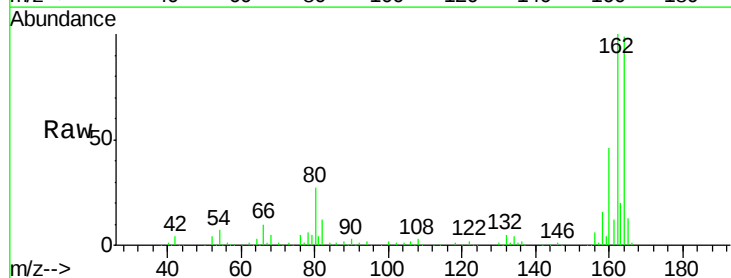
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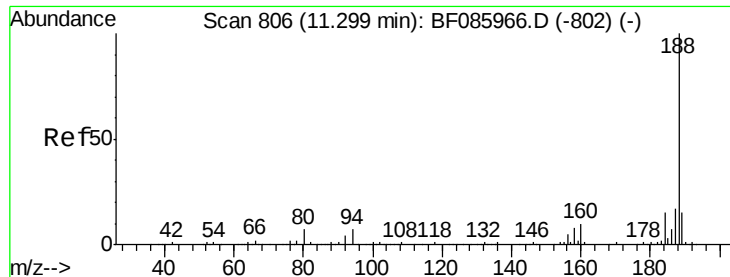
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	51.8	77.8#
89	1.9	53.7	80.5#



#56
 2,4-Dinitrotoluene
 Concen: 6.36 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.24 min
 Lab File: BF086128.D
 Acq: 7 Apr 2016 13:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	24.9	37.3#
89	1.9	41.0	61.6#
182	0.0	2.1	3.1#

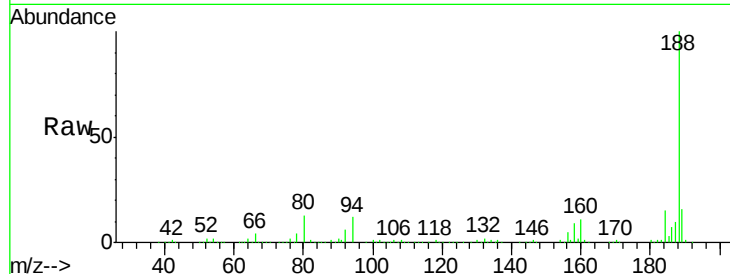




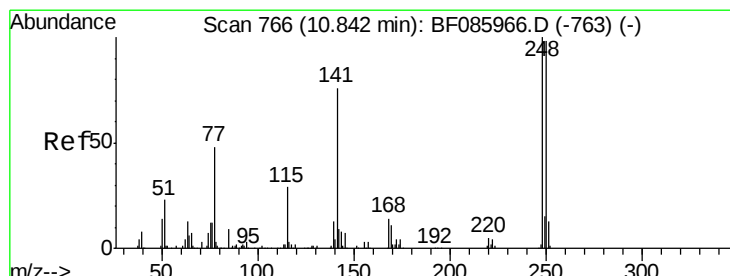
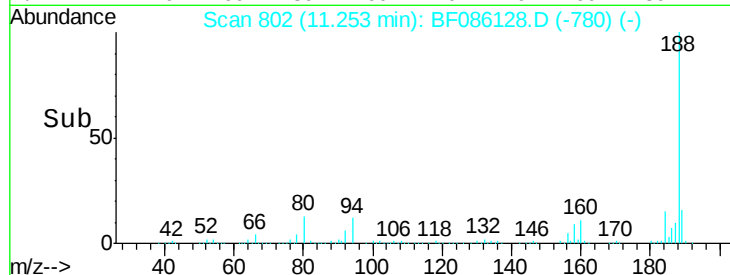
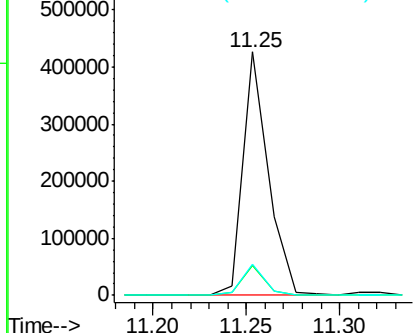
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.05 min
 Lab File: BF086128.D
 Acq: 7 Apr 2016 13:21

Instrument :
 BNA_F
 ClientSampleId :
 L-P-C-SOIL-PILE1

Tgt Ion:188 Resp: 403816
 Ion Ratio Lower Upper
 188 100
 94 12.0 5.4 8.0#
 80 13.0 5.5 8.3#

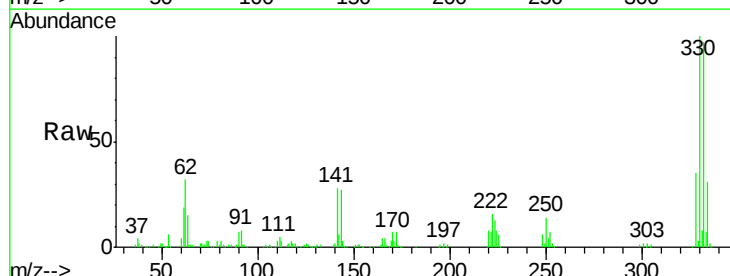


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

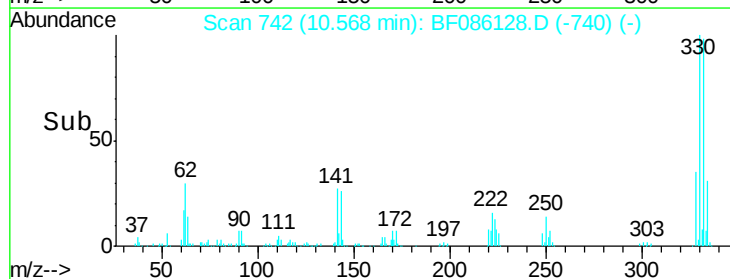
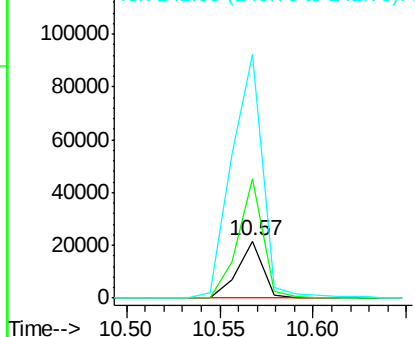


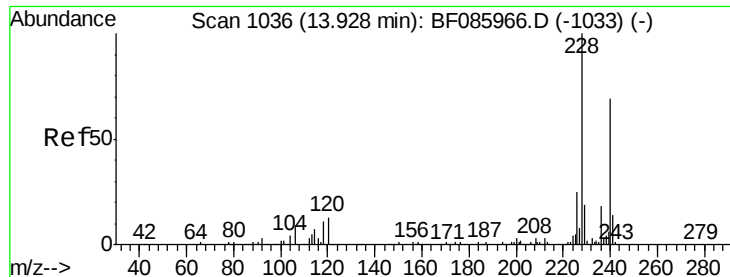
#66
 4-Bromophenyl-phenylether
 Concen: 5.03 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.27 min
 Lab File: BF086128.D
 Acq: 7 Apr 2016 13:21

Tgt Ion:248 Resp: 20731
 Ion Ratio Lower Upper
 248 100
 250 208.8 77.4 116.0#
 141 424.9 63.6 95.4#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF086128.D

Acq: 7 Apr 2016 13:21

Instrument :

BNA_F

ClientSampleId :

L-P-C-SOIL-PILE1

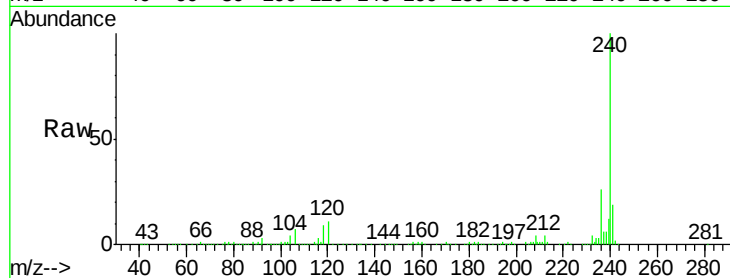
Tgt Ion:240 Resp: 336984

Ion Ratio Lower Upper

240 100

120 10.9 13.8 20.8#

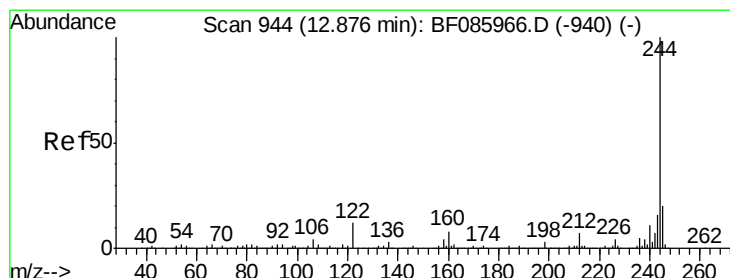
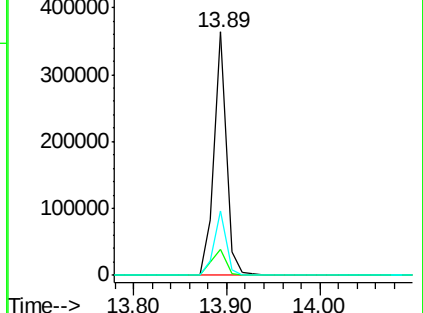
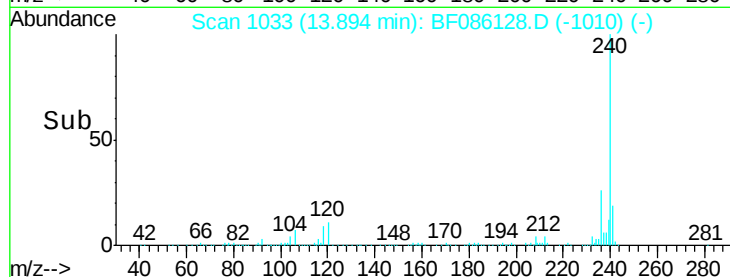
236 26.4 20.6 30.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 79.75 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086128.D

Acq: 7 Apr 2016 13:21

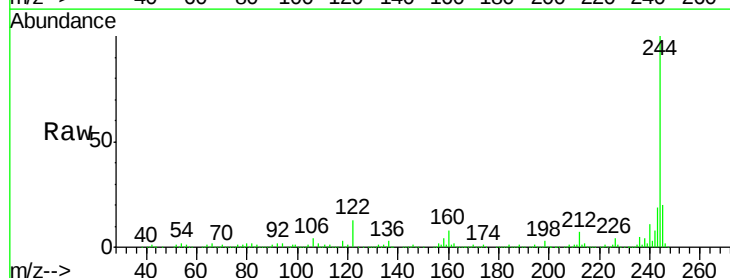
Tgt Ion:244 Resp: 1143253

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

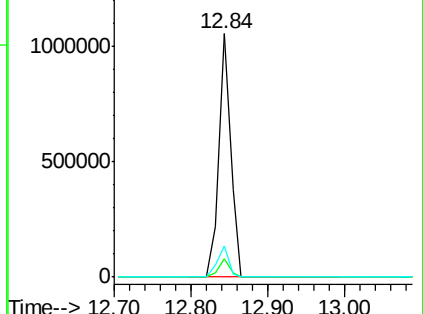
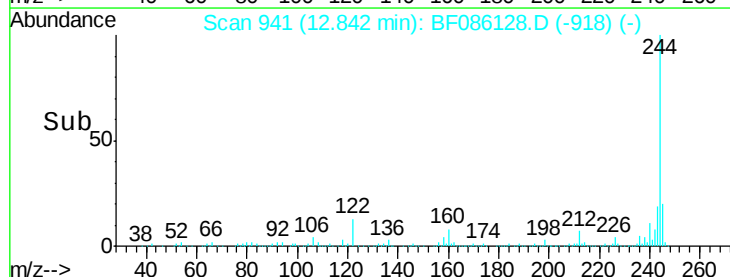
122 12.7 10.2 15.4

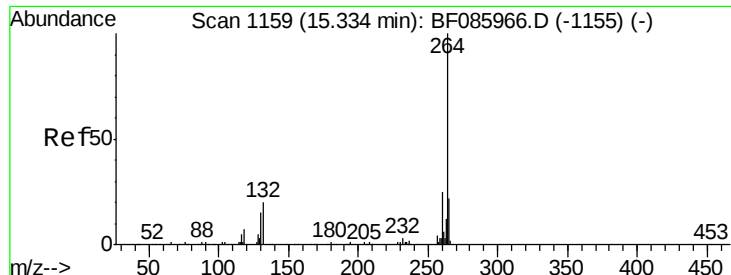


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.05 min
Lab File: BF086128.D
Acq: 7 Apr 2016 13:21

Instrument :
BNA_F
ClientSampleId :
L-P-C-SOIL-PILE1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	21.1	17.2	25.8

