

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102116\
 Data File : BF090786.D
 Acq On : 23 Oct 2016 2:04
 Operator : UM/SJ
 Sample : H5363-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TCLP-2

Quant Time: Oct 24 00:58:27 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 21 17:36:31 2016
 Response via : Initial Calibration

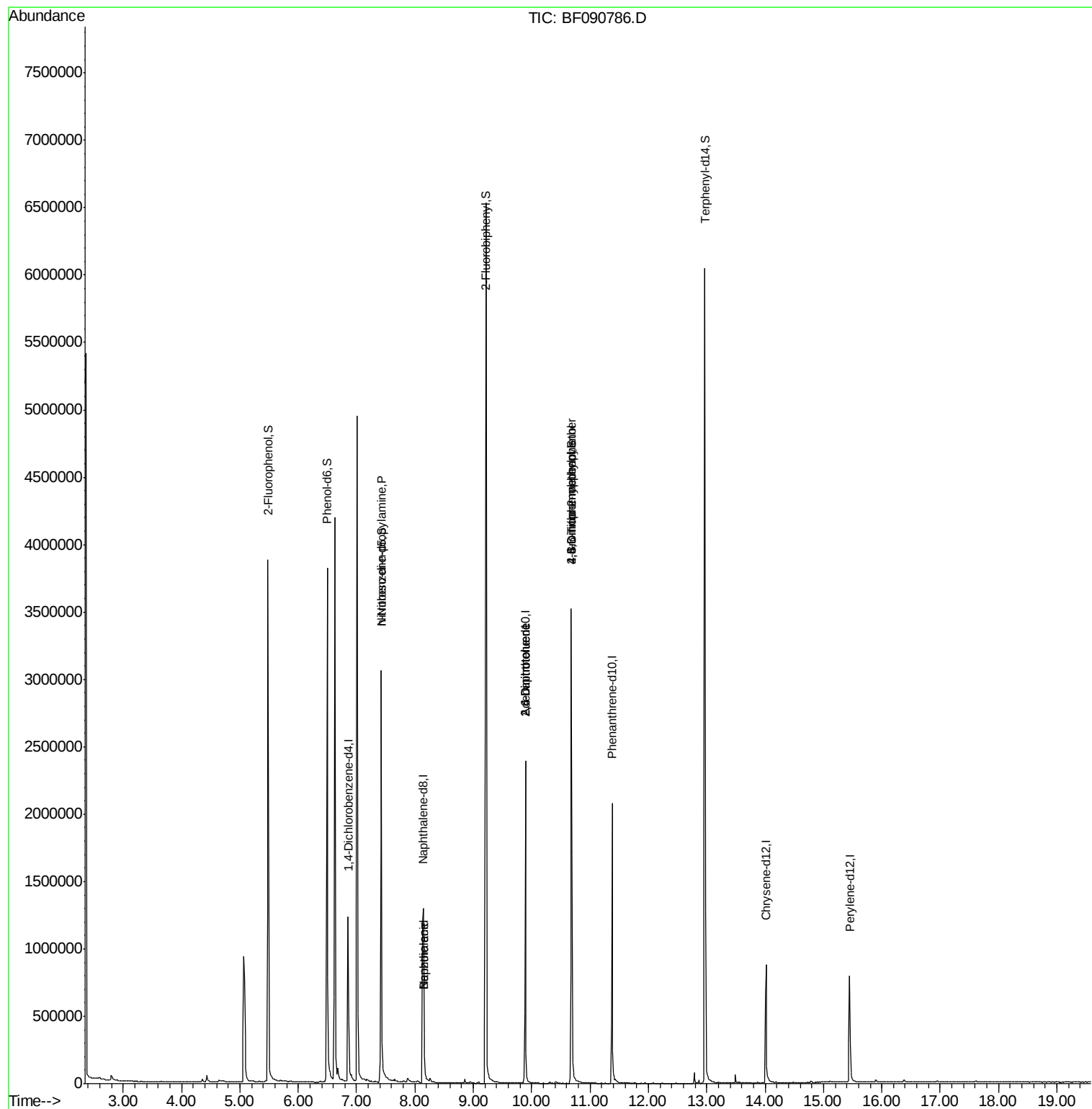
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	240954	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	992370	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	533458	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	826896	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	482650	20.00	ng	0.00
86) Perylene-d12	15.45	264	389599	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1645486	110.13	ng	0.02
7) Phenol-d6	6.50	99	1877868	92.79	ng	0.00
23) Nitrobenzene-d5	7.42	82	1507533	83.32	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	642327	152.13	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	2546823	74.11	ng	-0.01
78) Terphenyl-d14	12.97	244	2266089	107.61	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	195674	12.98	ng	# 49
31) Naphthalene	8.15	128	170422	3.51	ng	98
32) Benzoic acid	8.15	122	262	7.57	ng	# 1
50) 2,6-Dinitrotoluene	9.89	165	69716	9.67	ng	# 38
56) 2,4-Dinitrotoluene	9.89	165	70306	7.98	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.68	198	1070	4.36	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	39496	4.93	ng	# 1

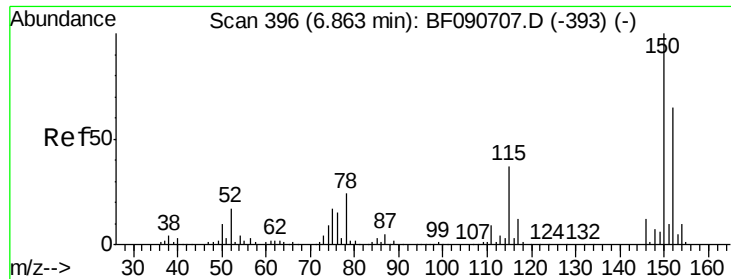
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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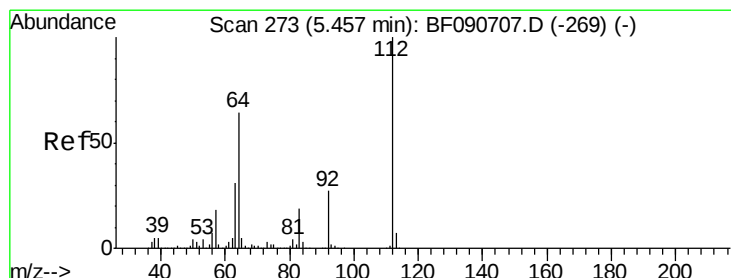
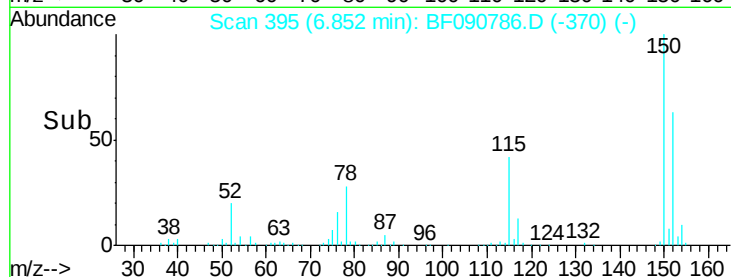
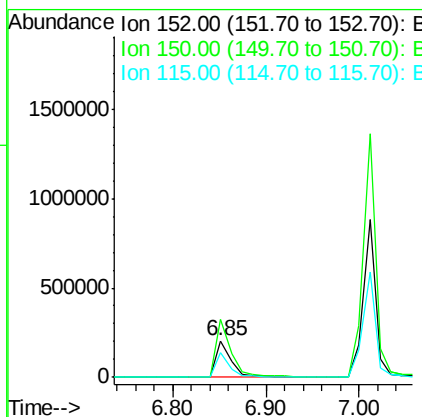
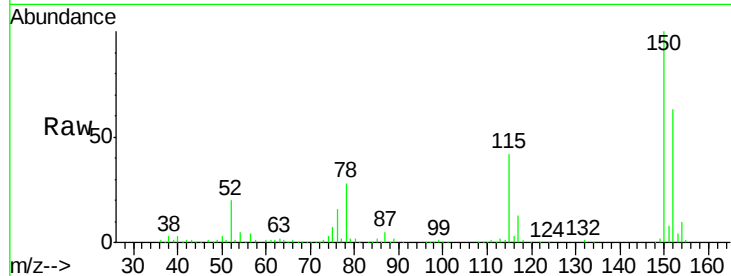




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 395
 Delta R.T. -0.01 min
 Lab File: BF090786.D
 Acq: 23 Oct 2016 2:04

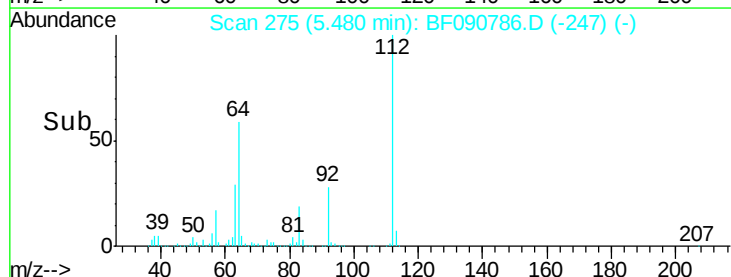
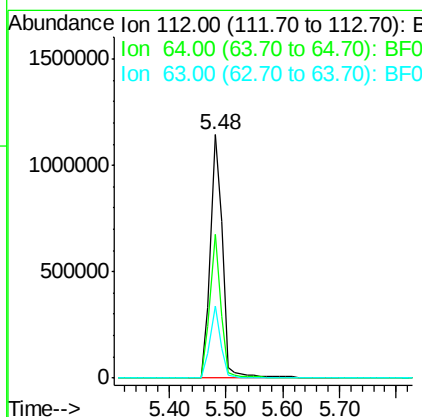
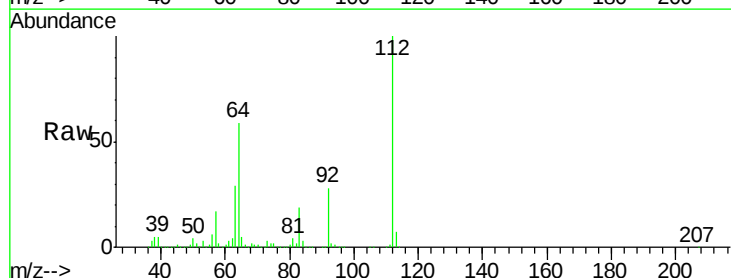
Instrument :
 BNA_F
 ClientSampleId :
 TCLP-2

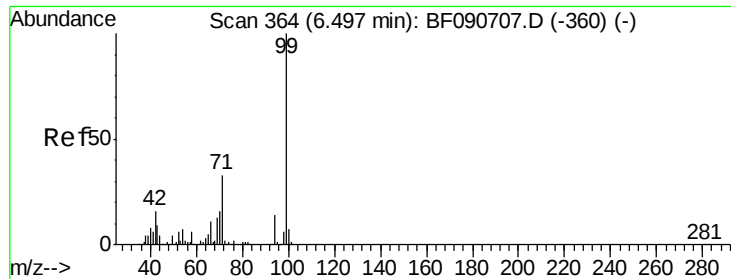
Tgt Ion:152 Resp: 240954
 Ion Ratio Lower Upper
 152 100
 150 159.6 124.7 187.1
 115 67.0 39.0 58.4#



#5
 2-Fluorophenol
 Concen: 110.13 ng
 RT: 5.48 min Scan# 275
 Delta R.T. 0.02 min
 Lab File: BF090786.D
 Acq: 23 Oct 2016 2:04

Tgt Ion:112 Resp: 1645486
 Ion Ratio Lower Upper
 112 100
 64 59.3 39.7 59.5
 63 29.5 17.4 26.0#





#7

Phenol-d6

Concen: 92.79 ng

RT: 6.50 min Scan# 364

Delta R.T. 0.00 min

Lab File: BF090786.D

Acq: 23 Oct 2016 2:04

Instrument :

BNA_F

ClientSampleId :

TCLP-2

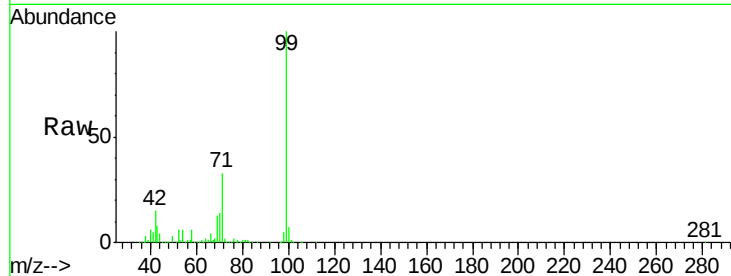
Tgt Ion: 99 Resp: 1877868

Ion Ratio Lower Upper

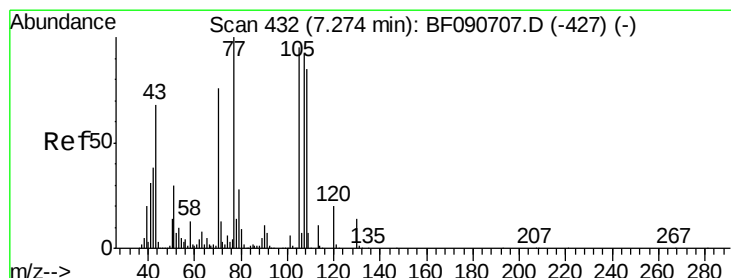
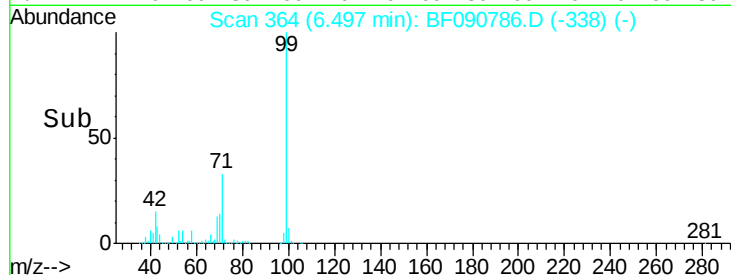
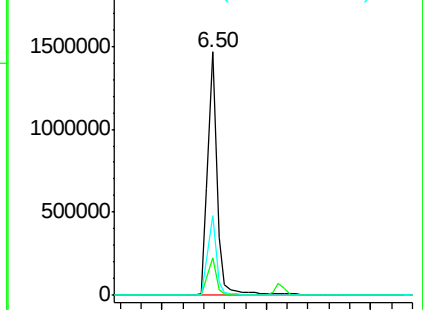
99 100

42 15.2 13.7 20.5

71 32.8 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: 12.98 ng

RT: 7.42 min Scan# 445

Delta R.T. 0.15 min

Lab File: BF090786.D

Acq: 23 Oct 2016 2:04

Tgt Ion: 70 Resp: 195674

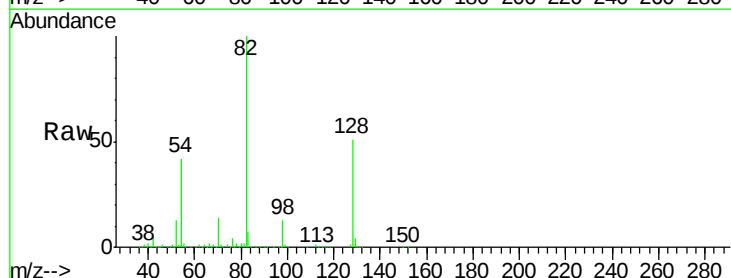
Ion Ratio Lower Upper

70 100

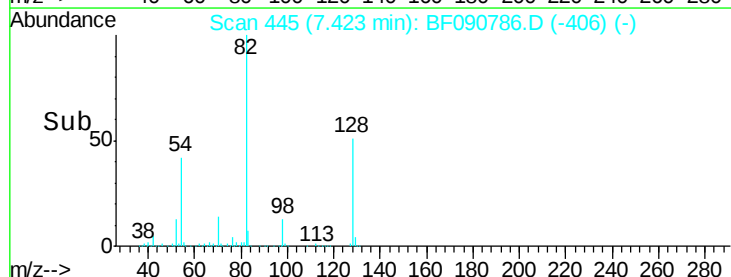
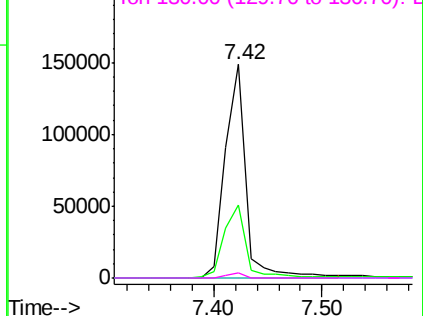
42 33.9 63.8 95.6#

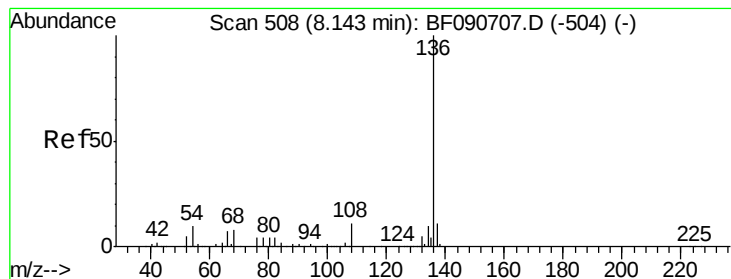
101 0.0 9.2 13.8#

130 2.5 27.3 40.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 508

Delta R.T. 0.00 min

Lab File: BF090786.D

Acq: 23 Oct 2016 2:04

Instrument :

BNA_F

ClientSampleId :

TCLP-2

Tgt Ion:136 Resp: 992370

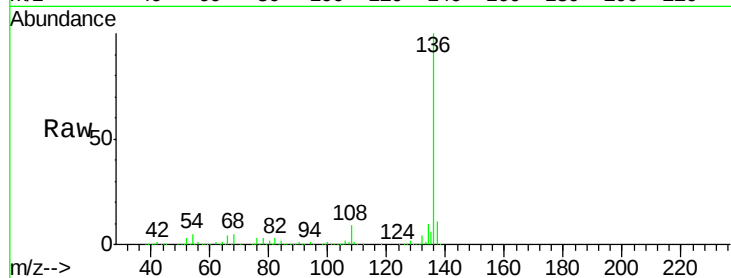
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.6

54 5.4 8.2 12.2#

68 5.3 5.8 8.6#

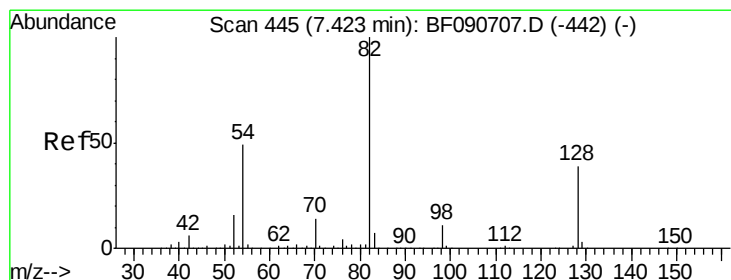
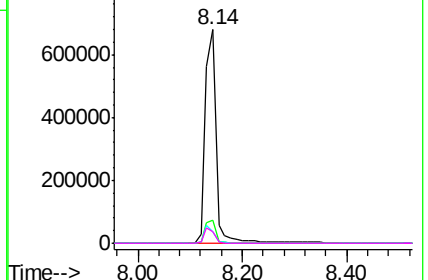
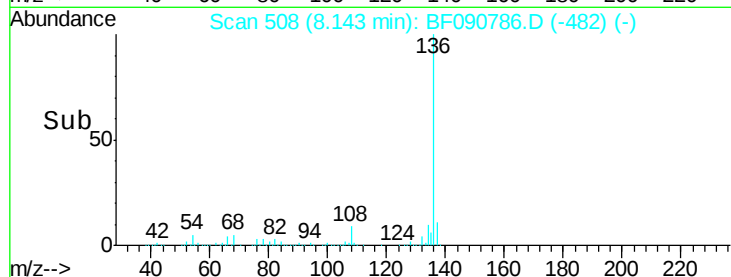


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 83.32 ng

RT: 7.42 min Scan# 445

Delta R.T. 0.00 min

Lab File: BF090786.D

Acq: 23 Oct 2016 2:04

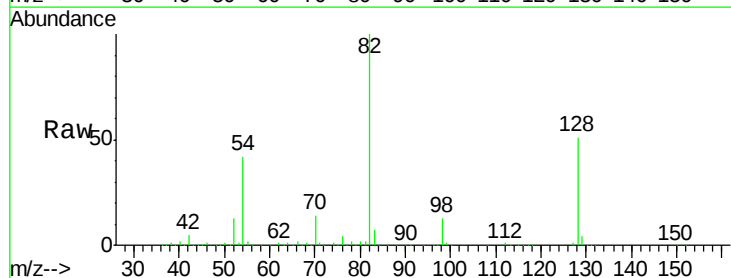
Tgt Ion: 82 Resp: 1507533

Ion Ratio Lower Upper

82 100

128 51.4 51.0 76.6

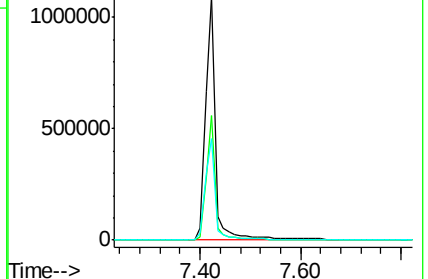
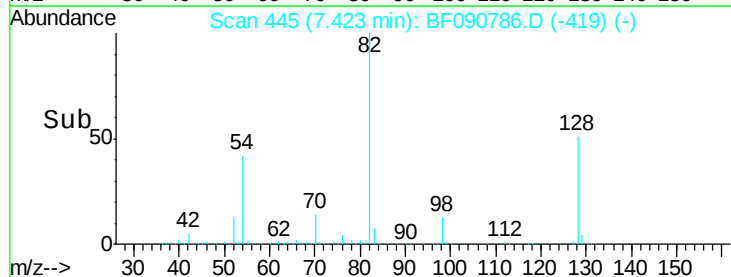
54 41.9 47.5 71.3#

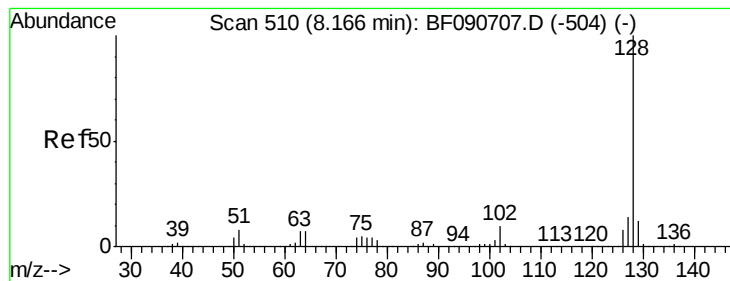


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 3.51 ng

RT: 8.15 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF090786.D

Acq: 23 Oct 2016 2:04

Instrument :

BNA_F

ClientSampleId :

TCLP-2

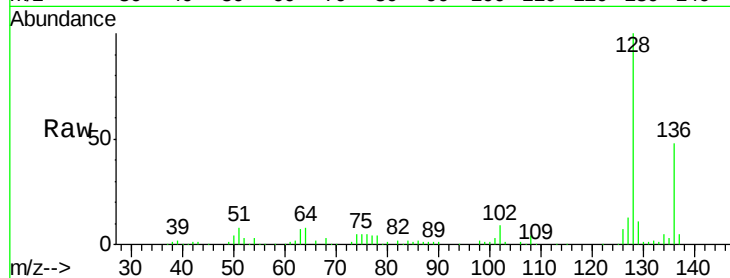
Tgt Ion:128 Resp: 170422

Ion Ratio Lower Upper

128 100

129 11.3 8.4 12.6

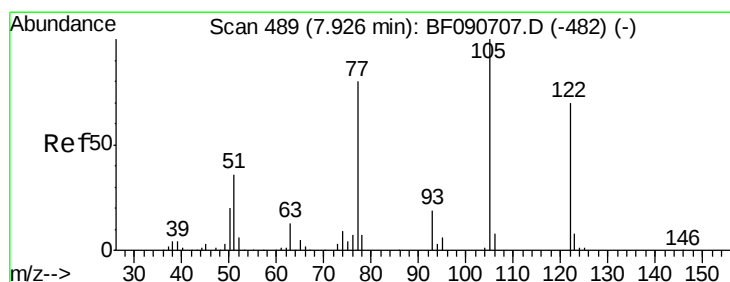
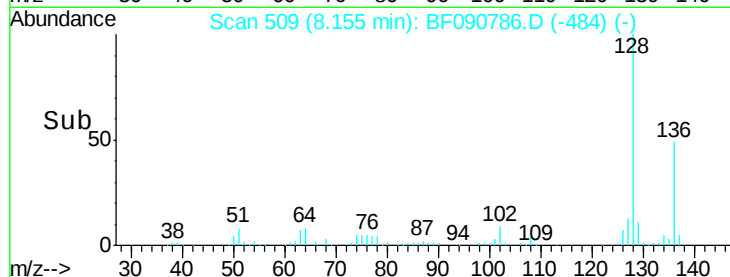
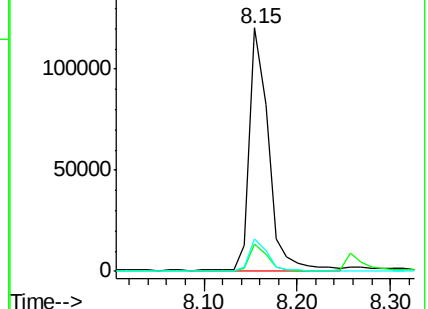
127 13.2 9.9 14.9



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



#32

Benzoic acid

Concen: 7.57 ng

RT: 8.15 min Scan# 509

Delta R.T. 0.22 min

Lab File: BF090786.D

Acq: 23 Oct 2016 2:04

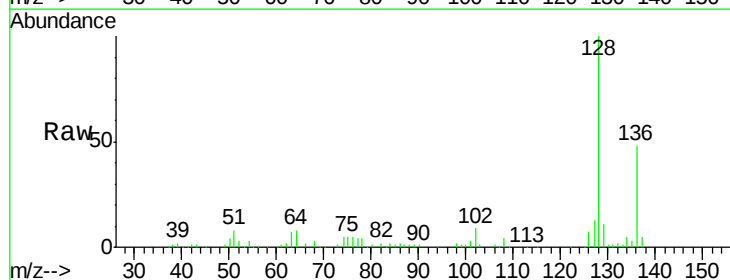
Tgt Ion:122 Resp: 262

Ion Ratio Lower Upper

122 100

105 0.0 76.1 116.1#

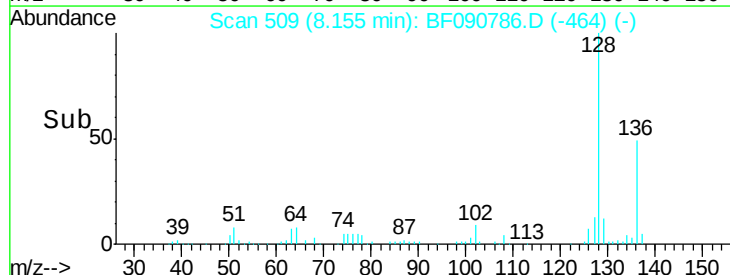
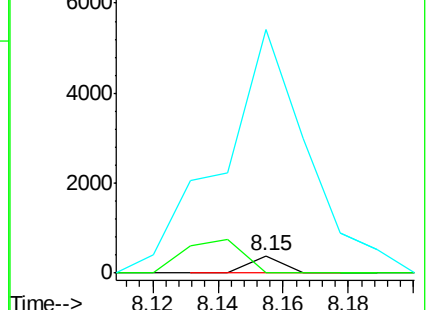
77 1417.0 40.5 80.5#

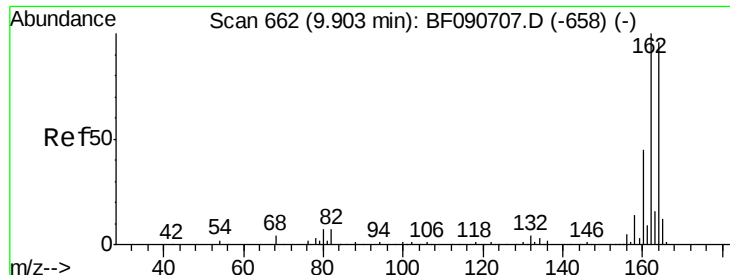


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

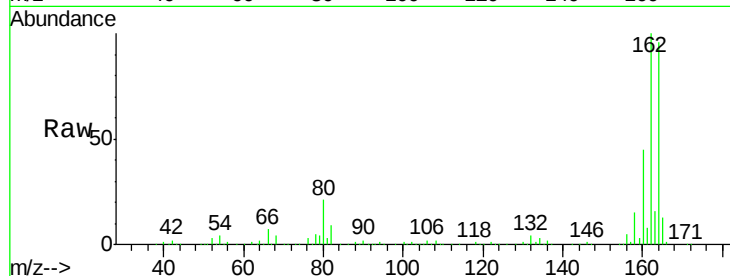




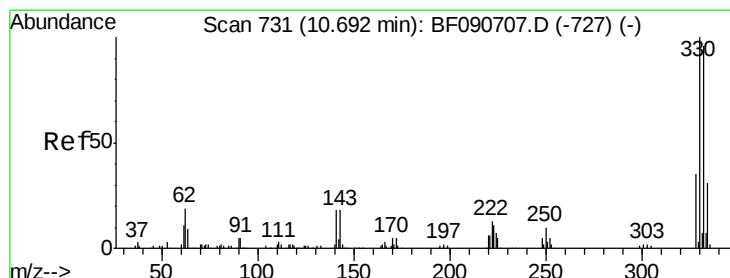
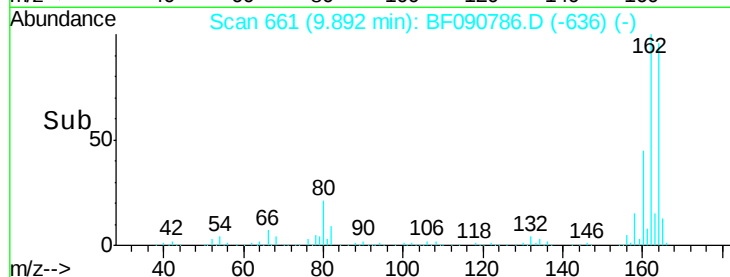
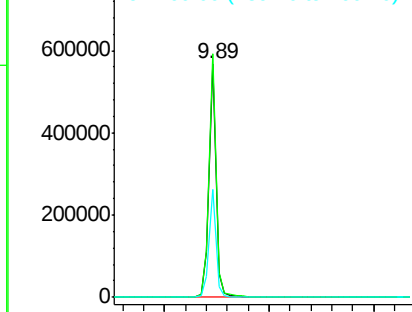
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 661
 Delta R.T. -0.01 min
 Lab File: BF090786.D
 Acq: 23 Oct 2016 2:04

Instrument :
 BNA_F
 ClientSampleId :
 TCLP-2

Tgt Ion:164 Resp: 533458
 Ion Ratio Lower Upper
 164 100
 162 104.1 75.2 112.8
 160 46.4 31.5 47.3

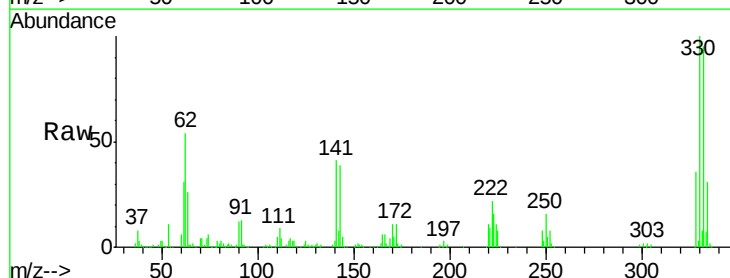


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

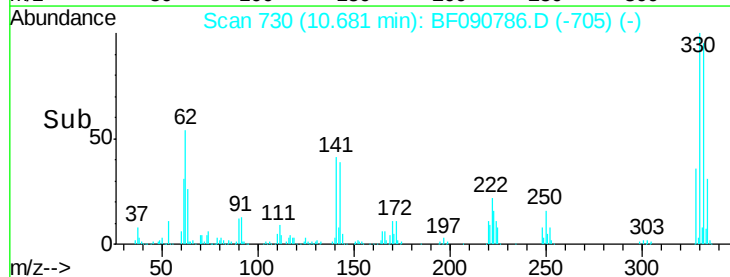
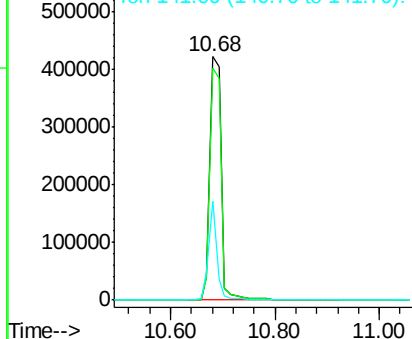


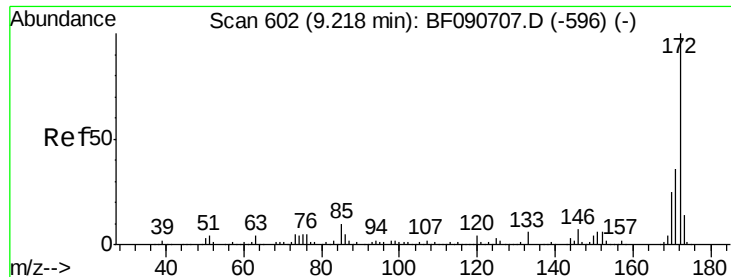
#41
 2,4,6-Tribromophenol
 Concen: 152.13 ng
 RT: 10.68 min Scan# 730
 Delta R.T. -0.01 min
 Lab File: BF090786.D
 Acq: 23 Oct 2016 2:04

Tgt Ion:330 Resp: 642327
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.6 114.8
 141 30.2 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

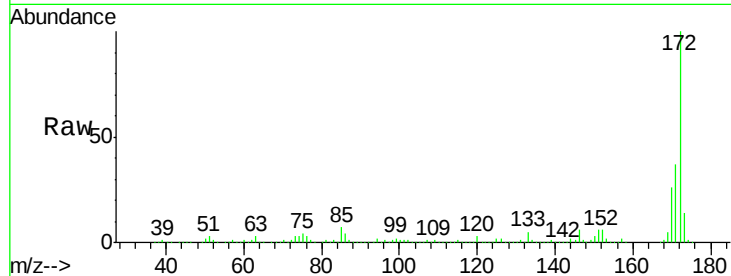




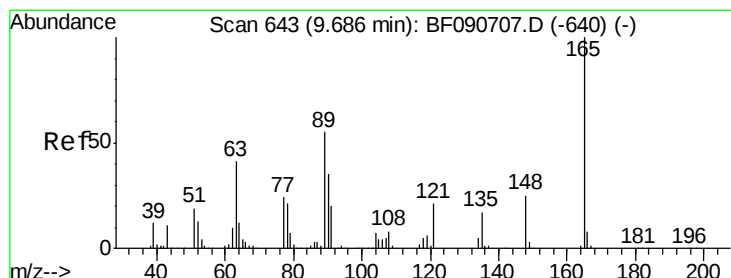
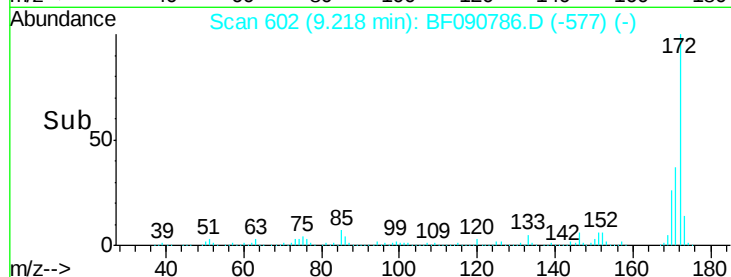
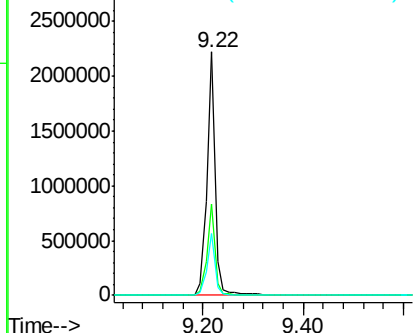
#44
 2-Fluorobiphenyl
 Concen: 74.11 ng
 RT: 9.22 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF090786.D
 Acq: 23 Oct 2016 2:04

Instrument :
 BNA_F
 ClientSampleId :
 TCLP-2

Tgt Ion:172 Resp: 2546823
 Ion Ratio Lower Upper
 172 100
 171 37.4 26.1 39.1
 170 25.5 17.4 26.2

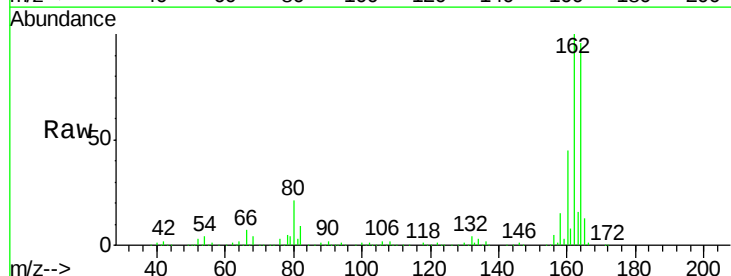


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

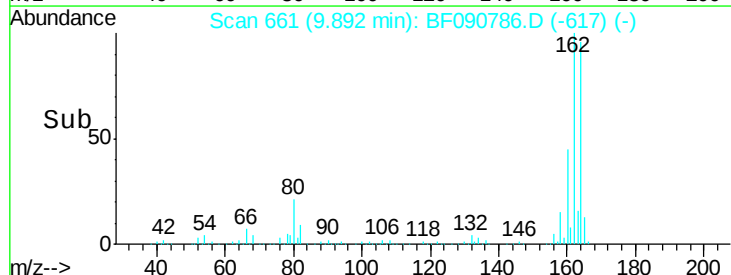
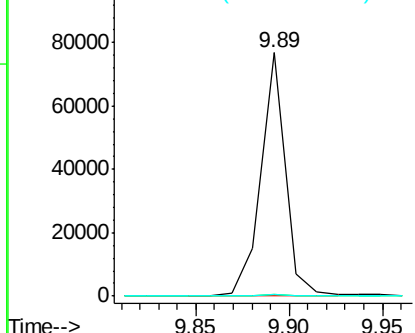


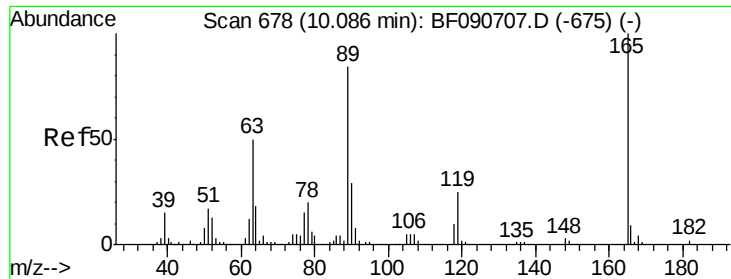
#50
 2,6-Dinitrotoluene
 Concen: 9.67 ng
 RT: 9.89 min Scan# 661
 Delta R.T. 0.21 min
 Lab File: BF090786.D
 Acq: 23 Oct 2016 2:04

Tgt Ion:165 Resp: 69716
 Ion Ratio Lower Upper
 165 100
 63 0.8 32.3 48.5#
 89 0.8 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

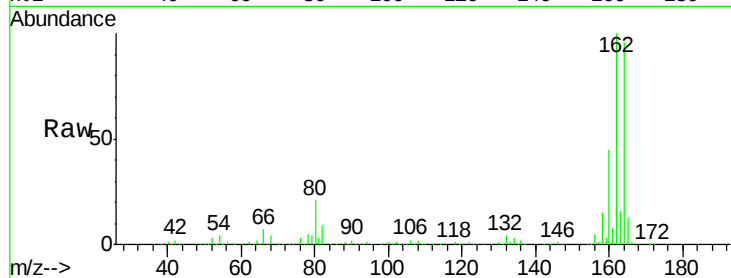




#56
 2,4-Dinitrotoluene
 Concen: 7.98 ng
 RT: 9.89 min Scan# 661
 Delta R.T. -0.19 min
 Lab File: BF090786.D
 Acq: 23 Oct 2016 2:04

Instrument :
 BNA_F
 ClientSampleId :
 TCLP-2

Tgt Ion:	165	Resp:	70306
Ion Ratio	Lower	Upper	
165	100		
63	0.8	29.8	44.6#
89	0.8	44.5	66.7#
182	0.0	3.0	4.4#

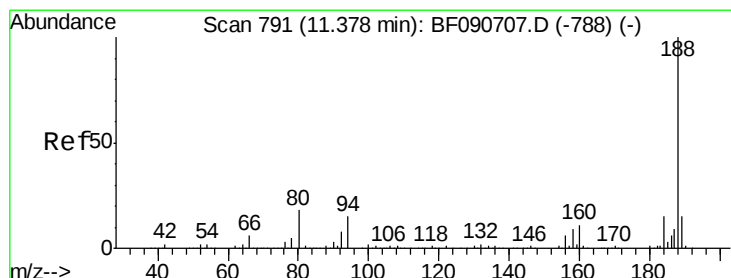
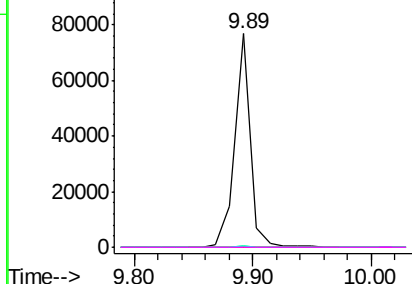
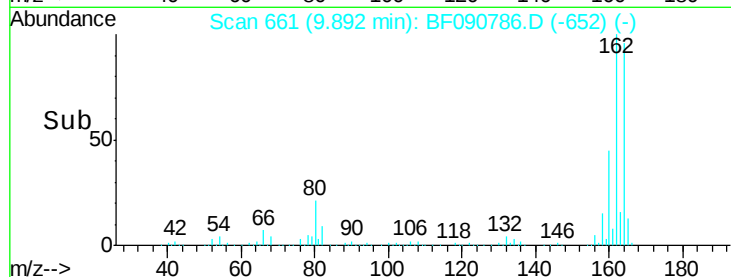


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

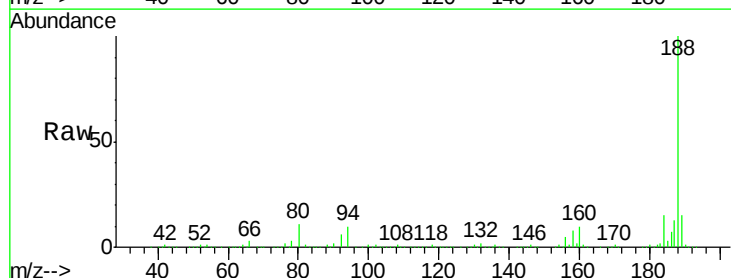
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF090786.D
 Acq: 23 Oct 2016 2:04

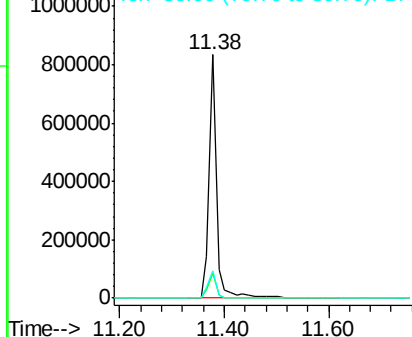
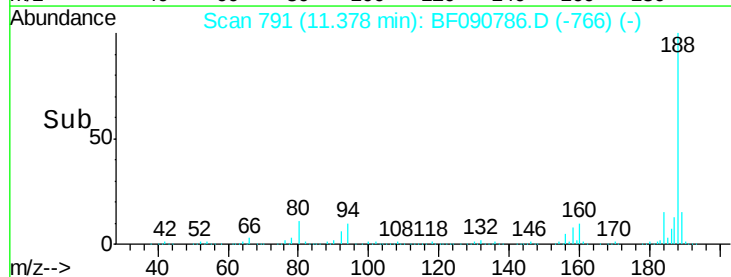
Tgt Ion:	188	Resp:	826896
Ion Ratio	Lower	Upper	
188	100		
94	10.3	11.1	16.7#
80	11.5	11.0	16.4

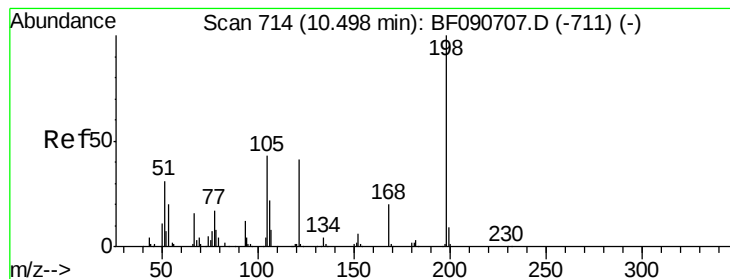


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 4.36 ng

RT: 10.68 min Scan# 730

Delta R.T. 0.18 min

Lab File: BF090786.D

Acq: 23 Oct 2016 2:04

Instrument :

BNA_F

ClientSampleId :

TCLP-2

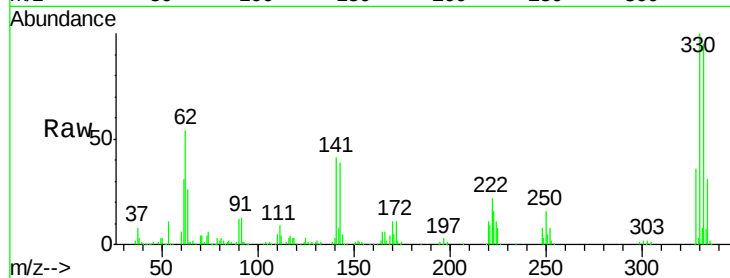
Tgt Ion:198 Resp: 1070

Ion Ratio Lower Upper

198 100

51 145.0 39.6 79.6#

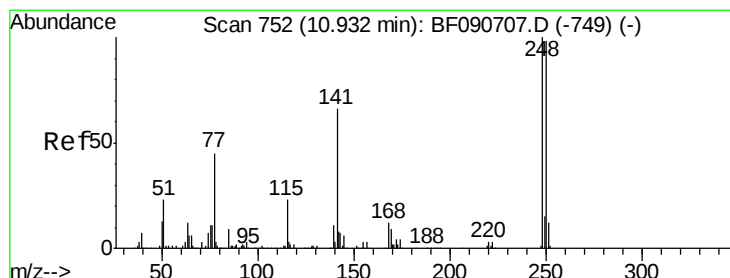
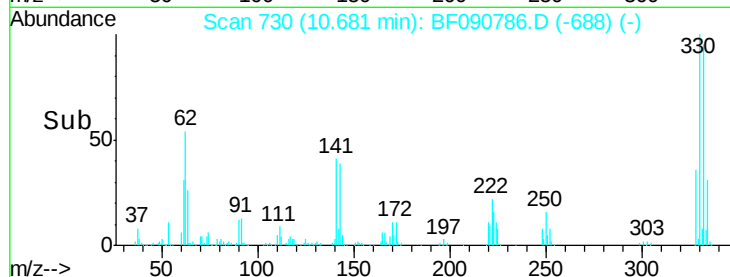
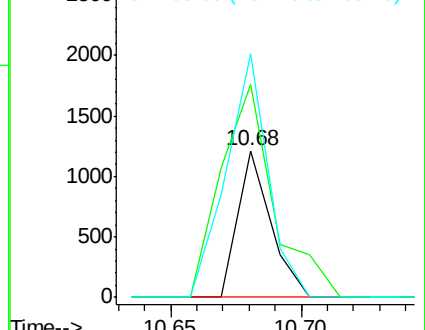
105 166.2 28.5 68.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.93 ng

RT: 10.68 min Scan# 730

Delta R.T. -0.25 min

Lab File: BF090786.D

Acq: 23 Oct 2016 2:04

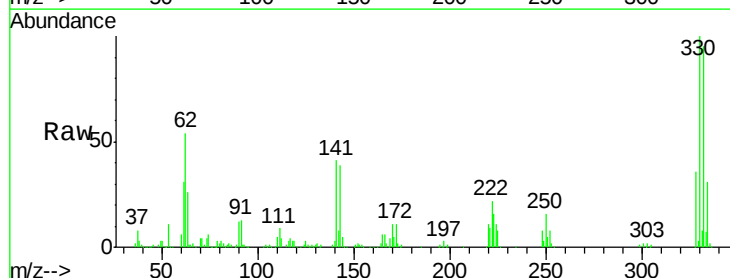
Tgt Ion:248 Resp: 39496

Ion Ratio Lower Upper

248 100

250 202.8 78.5 117.7#

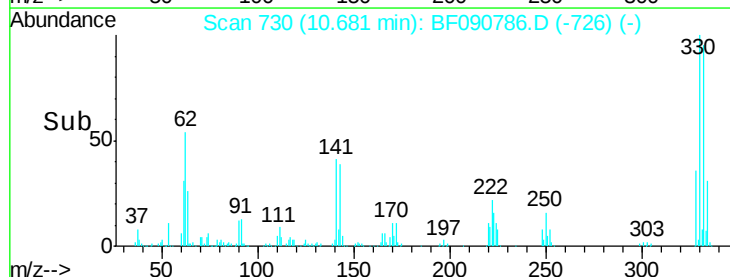
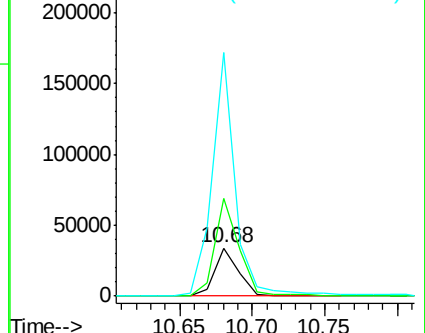
141 504.3 59.0 88.6#

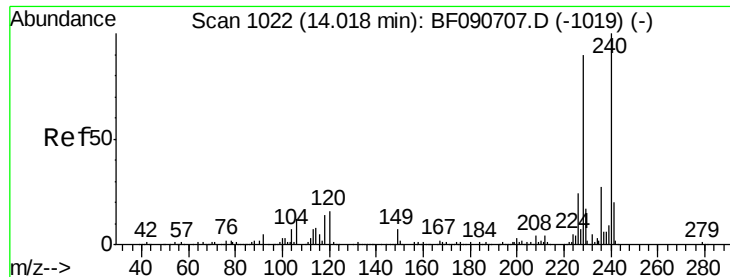


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.02 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF090786.D

Acq: 23 Oct 2016 2:04

Instrument :

BNA_F

ClientSampleId :

TCLP-2

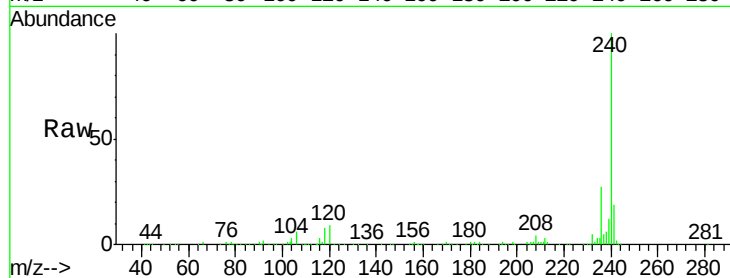
Tgt Ion:240 Resp: 482650

Ion Ratio Lower Upper

240 100

120 9.2 16.2 24.2#

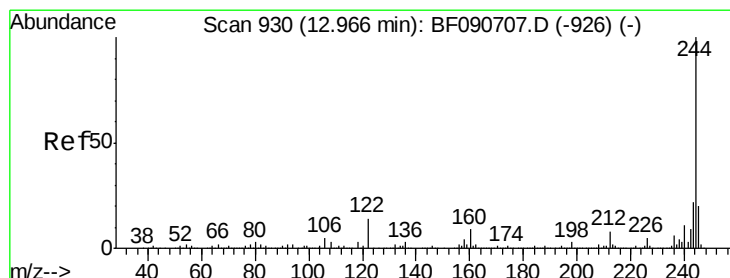
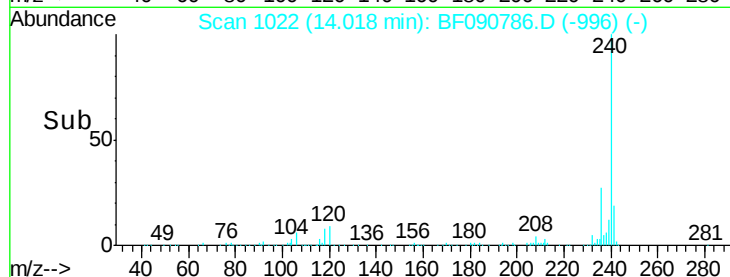
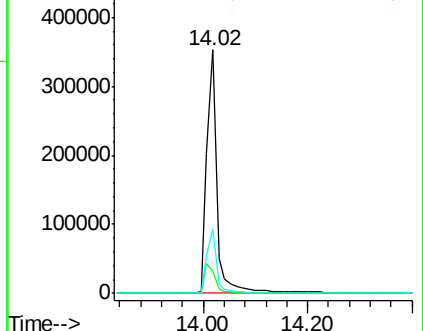
236 26.6 18.4 27.6



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: 107.61 ng

RT: 12.97 min Scan# 930

Delta R.T. 0.00 min

Lab File: BF090786.D

Acq: 23 Oct 2016 2:04

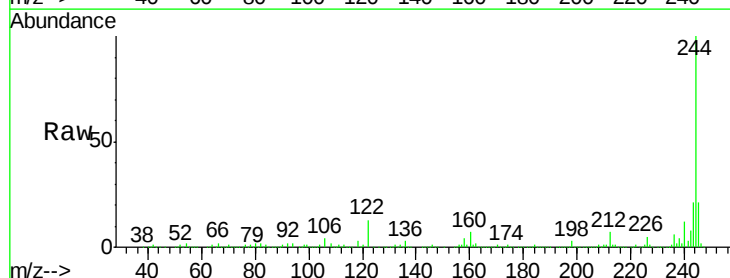
Tgt Ion:244 Resp: 2266089

Ion Ratio Lower Upper

244 100

212 7.5 4.3 6.5#

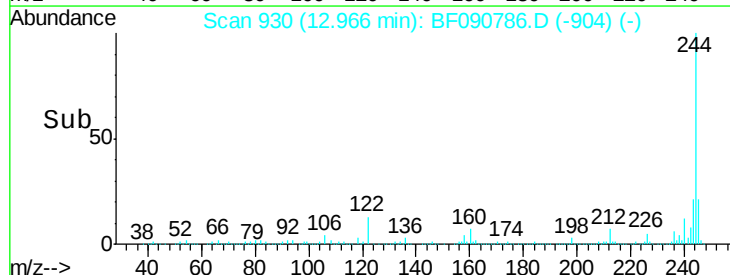
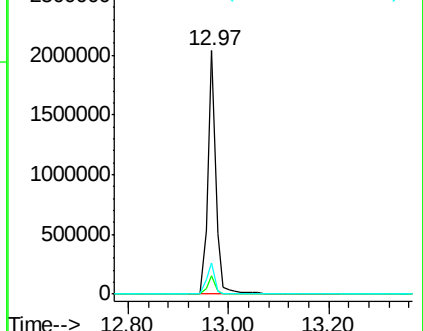
122 12.6 17.4 26.2#

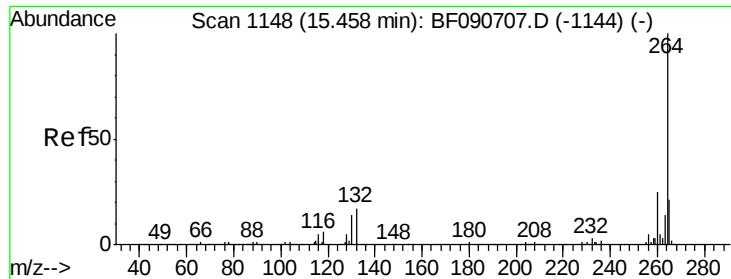


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

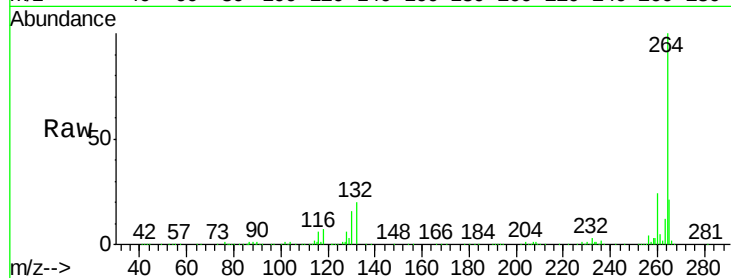




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF090786.D
Acq: 23 Oct 2016 2:04

Instrument :
BNA_F
ClientSampleId :
TCLP-2

Tgt Ion: 264 Resp: 389599
Ion Ratio Lower Upper
264 100
260 24.5 16.7 25.1
265 21.4 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

