

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061316\
 Data File : BF087981.D
 Acq On : 13 Jun 2016 14:08
 Operator : UM/SJ
 Sample : H3449-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 17-VE-PILE-WALL(0-2)

Quant Time: Jun 13 14:52:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

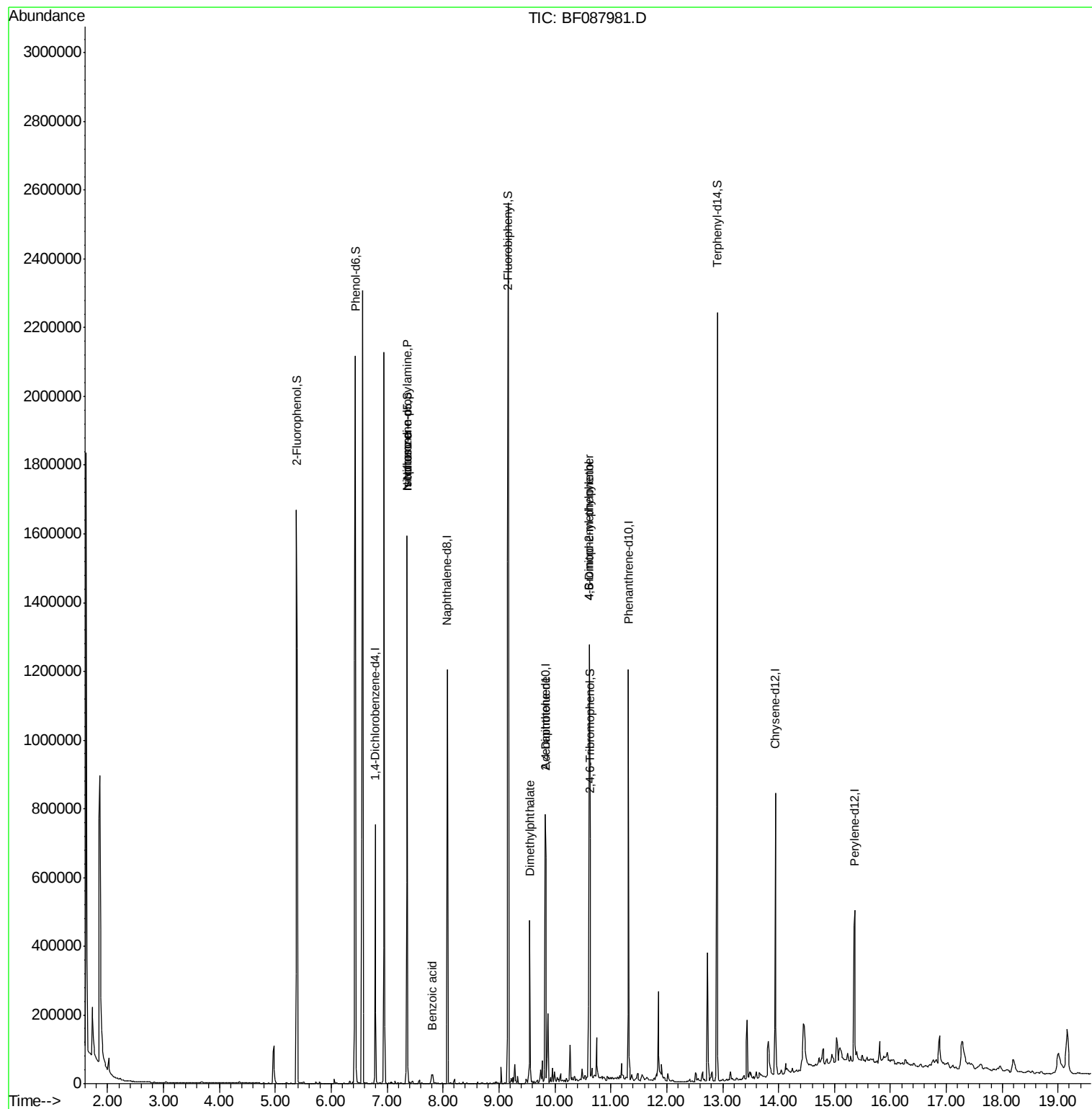
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	115607	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	506736	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	213614	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	389743	20.00	ng	0.00
75) Chrysene-d12	13.94	240	249694	20.00	ng	-0.01
86) Perylene-d12	15.36	264	229064	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	721212	106.65	ng	0.00
7) Phenol-d6	6.43	99	931947	113.71	ng	0.00
23) Nitrobenzene-d5	7.36	82	544696	62.77	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	196098	86.94	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1009058	73.45	ng	0.00
78) Terphenyl-d14	12.90	244	694647	63.31	ng	0.00
Target Compounds						
10) Phenol	6.44	94	5205	Below Cal		Qvalue 96
19) n-Nitroso-di-n-propylamine	7.36	70	71563	13.65 ng	#	72
25) Isophorone	7.36	82	395588	24.61 ng	#	65
32) Benzoic acid	7.80	122	11878	2.60 ng		94
45) 1,1'-Biphenyl	9.16	154	1784	Below Cal	#	1
49) Dimethylphthalate	9.55	163	174080	11.25 ng		99
56) 2,4-Dinitrotoluene	9.83	165	27029	5.93 ng	#	38
57) Fluorene	10.38	166	313	Below Cal	#	86
64) 4,6-Dinitro-2-methylphenol	10.62	198	267	2.27 ng	#	1
66) 4-Bromophenyl-phenylether	10.62	248	12093	2.89 ng	#	1

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

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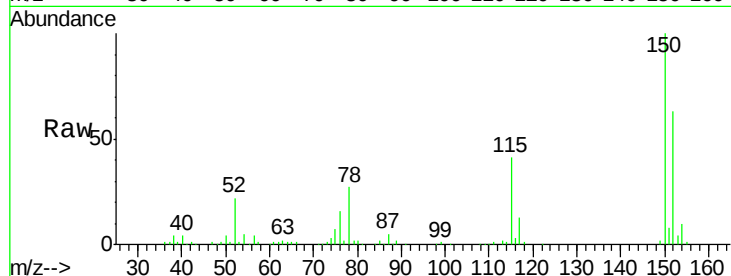


#1

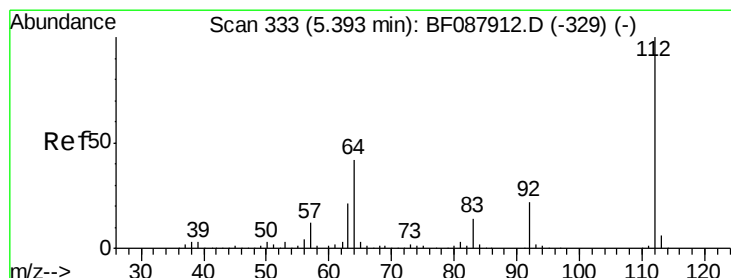
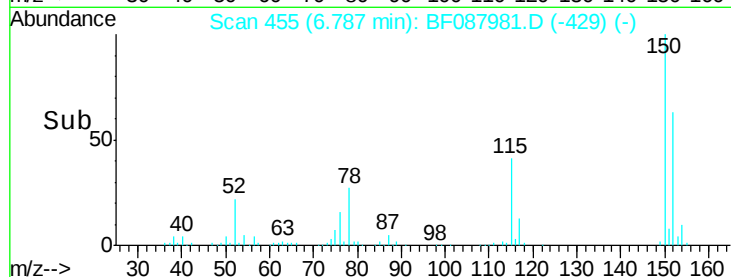
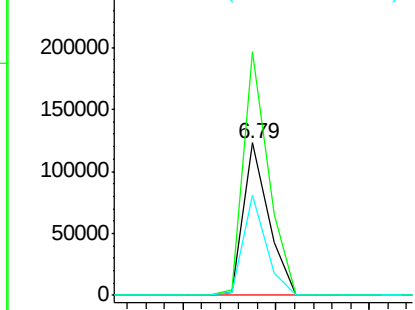
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.79 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: BF087981.D
 Acq: 13 Jun 2016 14:08

Instrument :
 BNA_F
 ClientSampleId :
 17-VE-PILE-WALL(0-2)

Tgt Ion:152 Resp: 115607
 Ion Ratio Lower Upper
 152 100
 150 159.9 123.8 185.6
 115 66.1 39.6 59.4#



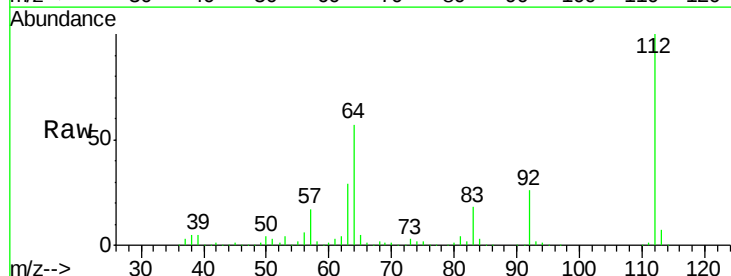
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



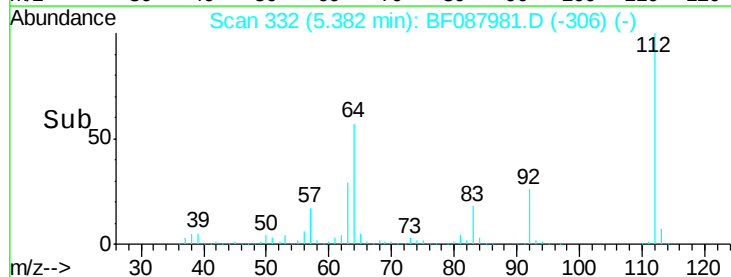
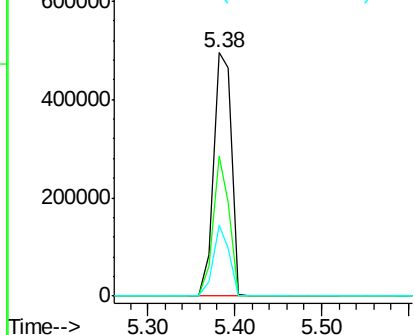
#5

2-Fluorophenol
 Concen: 106.65 ng
 RT: 5.38 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: BF087981.D
 Acq: 13 Jun 2016 14:08

Tgt Ion:112 Resp: 721212
 Ion Ratio Lower Upper
 112 100
 64 57.3 42.2 63.2
 63 29.3 21.8 32.8



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: 113.71 ng

RT: 6.43 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF087981.D

Acq: 13 Jun 2016 14:08

Instrument :

BNA_F

ClientSampleId :

17-VE-PILE-WALL(0-2)

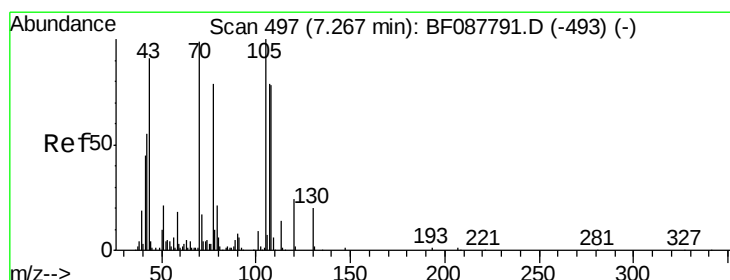
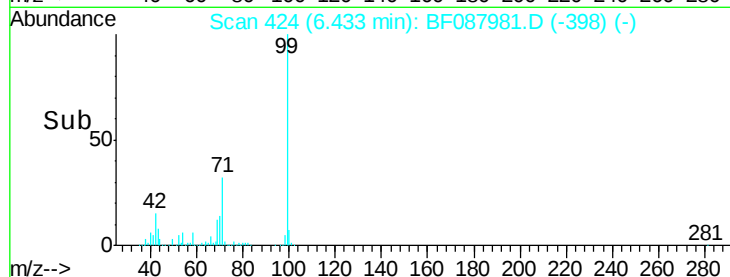
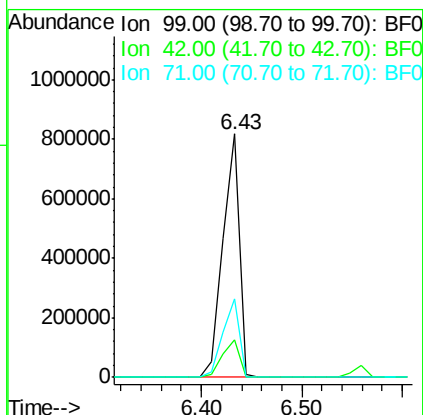
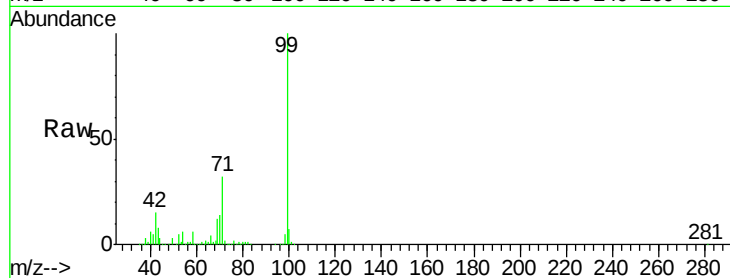
Tgt Ion: 99 Resp: 931947

Ion Ratio Lower Upper

99 100

42 15.2 12.2 18.2

71 32.1 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.65 ng

RT: 7.36 min Scan# 505

Delta R.T. 0.14 min

Lab File: BF087981.D

Acq: 13 Jun 2016 14:08

Tgt Ion: 70 Resp: 71563

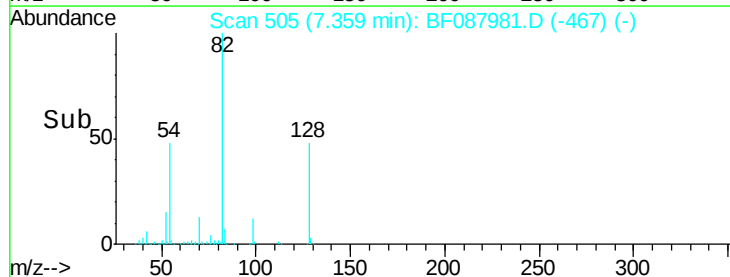
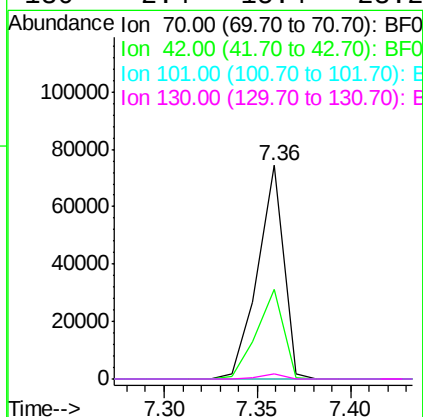
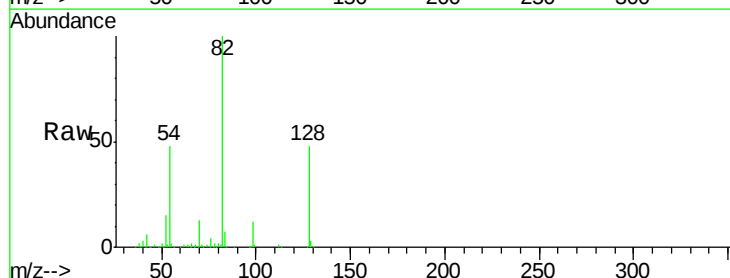
Ion Ratio Lower Upper

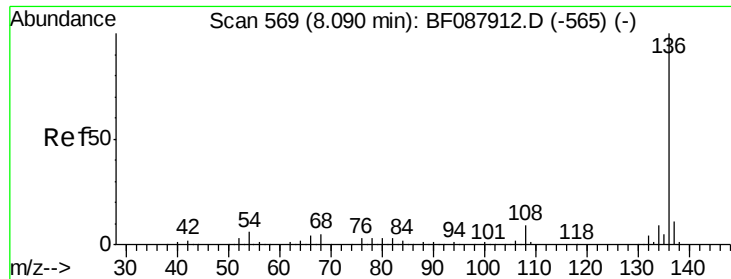
70 100

42 42.0 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#

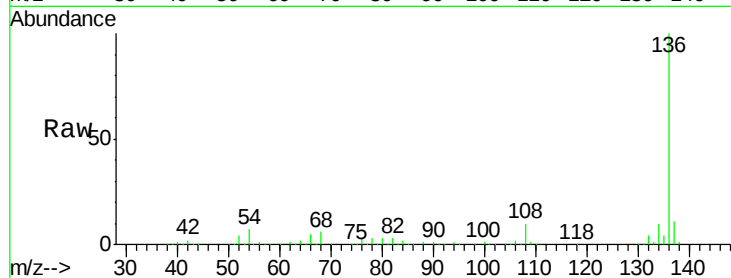




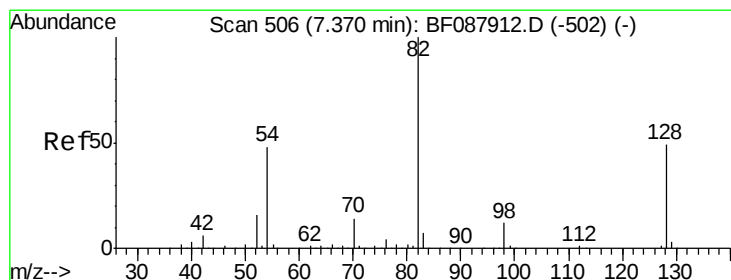
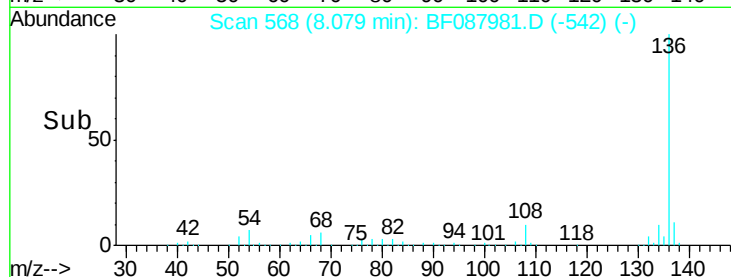
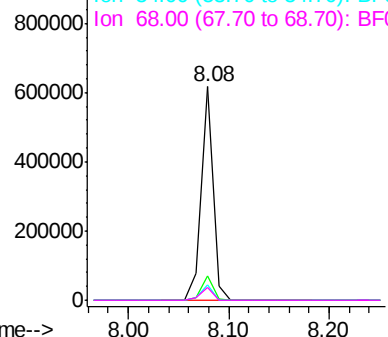
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 568
Delta R.T. 0.00 min
Lab File: BF087981.D
Acq: 13 Jun 2016 14:08

Instrument :
BNA_F
ClientSampleId :
17-VE-PILE-WALL(0-2)

Tgt Ion:	136	Resp:	506736
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.2	6.6	10.0
68	5.9	5.1	7.7

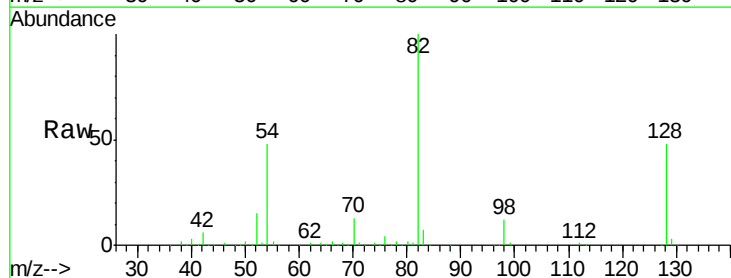


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

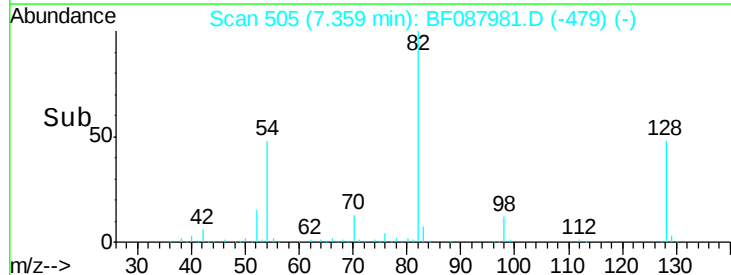
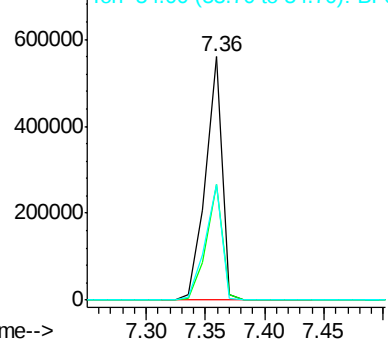


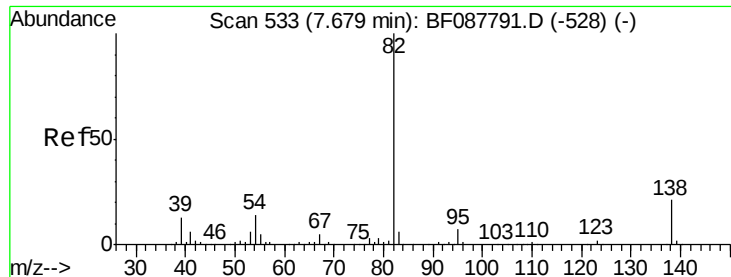
#23
Nitrobenzene-d5
Concen: 62.77 ng
RT: 7.36 min Scan# 505
Delta R.T. 0.00 min
Lab File: BF087981.D
Acq: 13 Jun 2016 14:08

Tgt Ion:	82	Resp:	544696
Ion	Ratio	Lower	Upper
82	100		
128	47.6	35.9	53.9
54	47.7	40.9	61.3



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





#25

Isophorone

Concen: 24.61 ng

RT: 7.36 min Scan# 505

Delta R.T. -0.26 min

Lab File: BF087981.D

Acq: 13 Jun 2016 14:08

Instrument :

BNA_F

ClientSampleId :

17-VE-PILE-WALL(0-2)

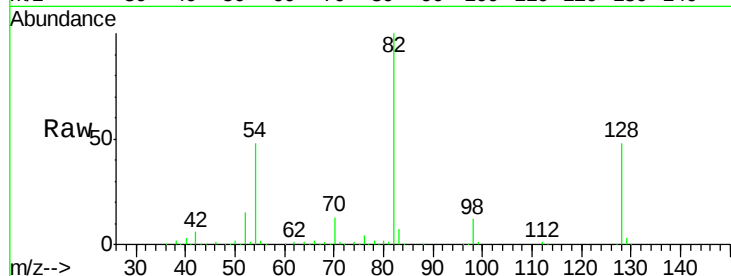
Tgt Ion: 82 Resp: 395588

Ion Ratio Lower Upper

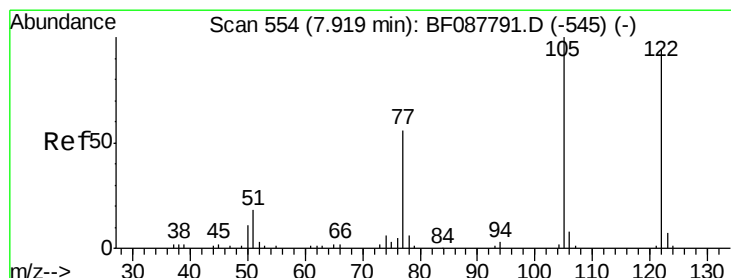
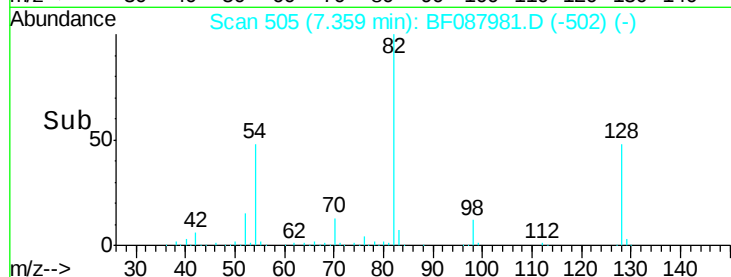
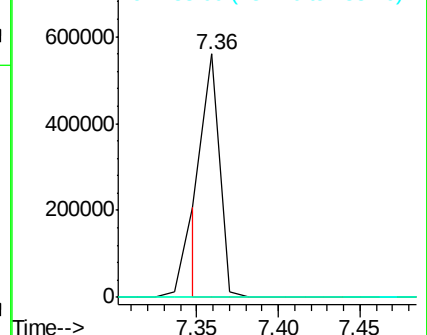
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



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



#32

Benzoic acid

Concen: 2.60 ng

RT: 7.80 min Scan# 544

Delta R.T. -0.07 min

Lab File: BF087981.D

Acq: 13 Jun 2016 14:08

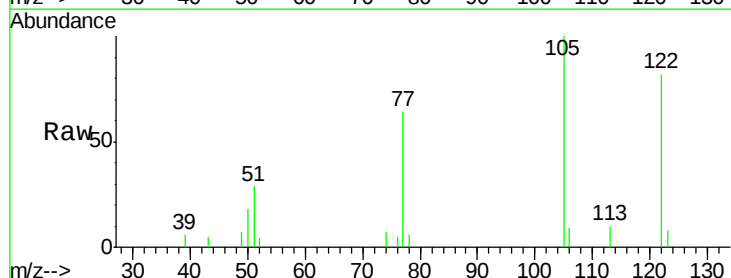
Tgt Ion: 122 Resp: 11878

Ion Ratio Lower Upper

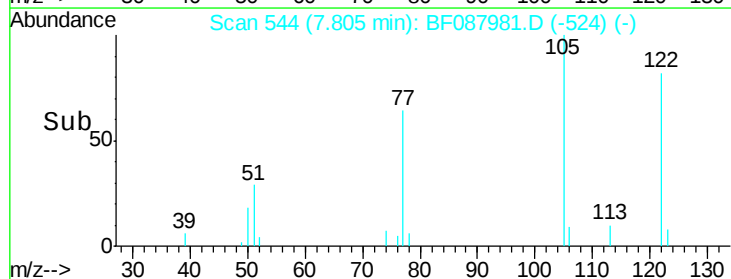
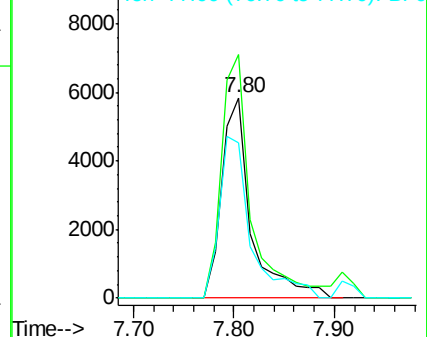
122 100

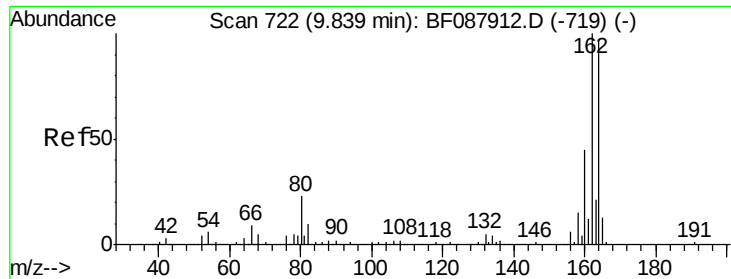
105 121.4 101.6 141.6

77 77.6 70.6 110.6



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: 9.83 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF087981.D

Acq: 13 Jun 2016 14:08

Instrument :

BNA_F

ClientSampleId :

17-VE-PILE-WALL(0-2)

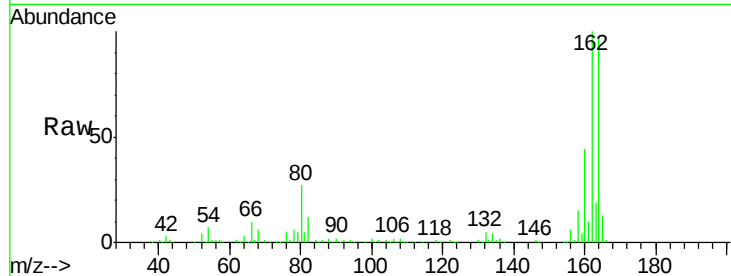
Tgt Ion:164 Resp: 213614

Ion Ratio Lower Upper

164 100

162 102.8 85.4 128.2

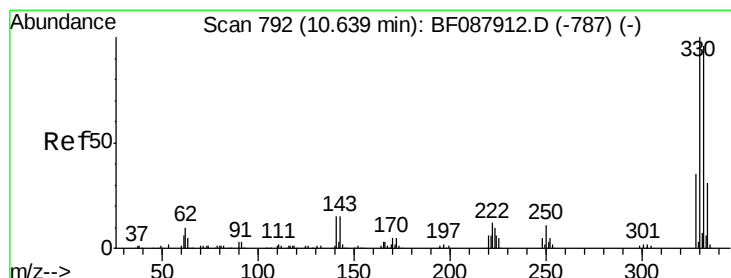
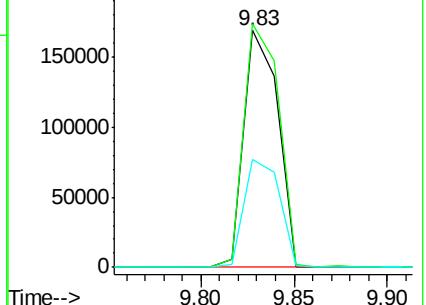
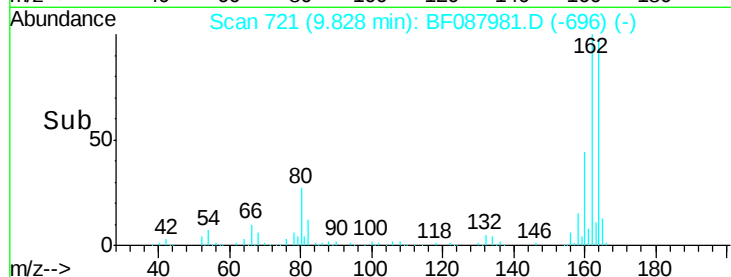
160 45.4 39.5 59.3



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: 86.94 ng

RT: 10.63 min Scan# 791

Delta R.T. 0.00 min

Lab File: BF087981.D

Acq: 13 Jun 2016 14:08

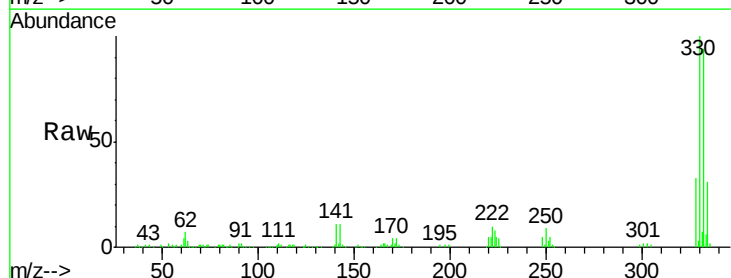
Tgt Ion:330 Resp: 196098

Ion Ratio Lower Upper

330 100

332 95.3 0.0 0.0#

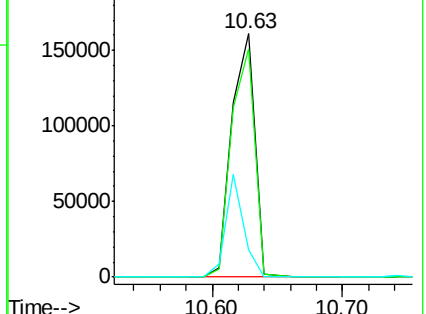
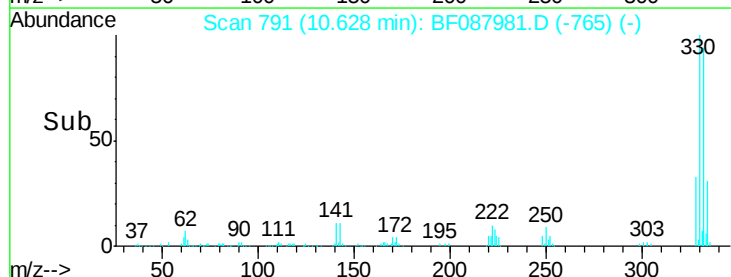
141 33.4 0.0 0.0#

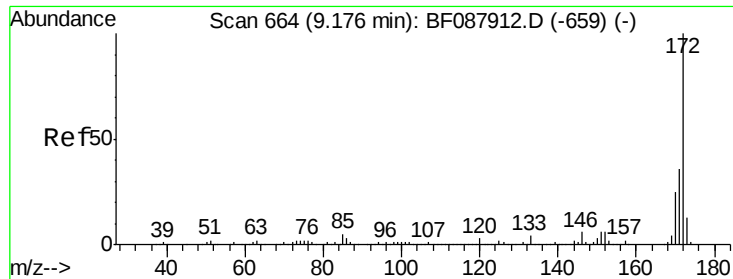


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

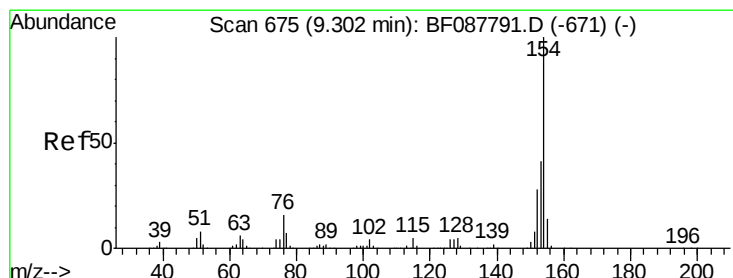
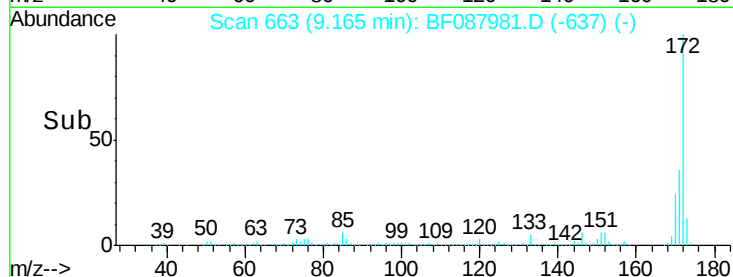
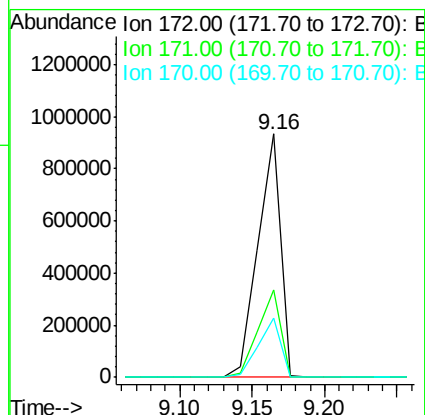
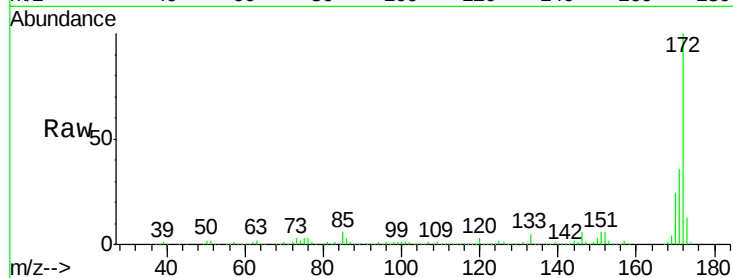




#44
 2-Fluorobiphenyl
 Concen: 73.45 ng
 RT: 9.16 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: BF087981.D
 Acq: 13 Jun 2016 14:08

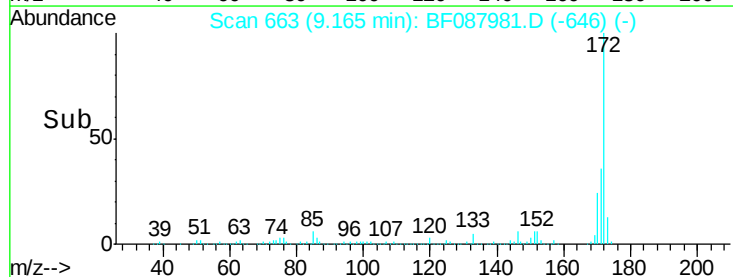
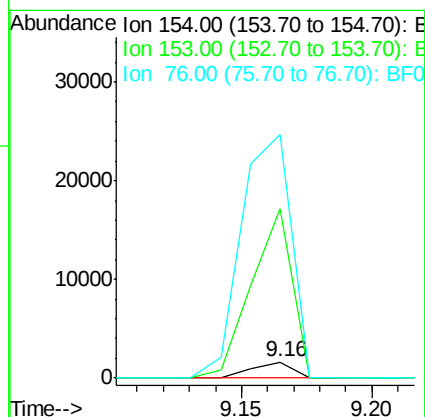
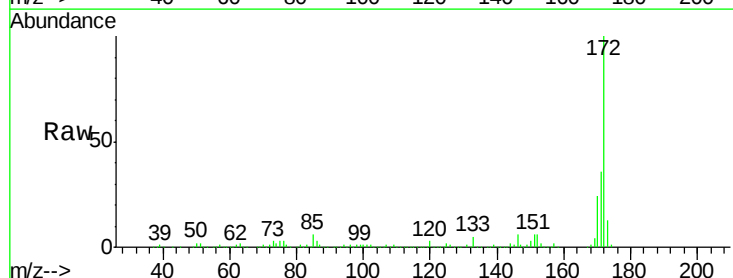
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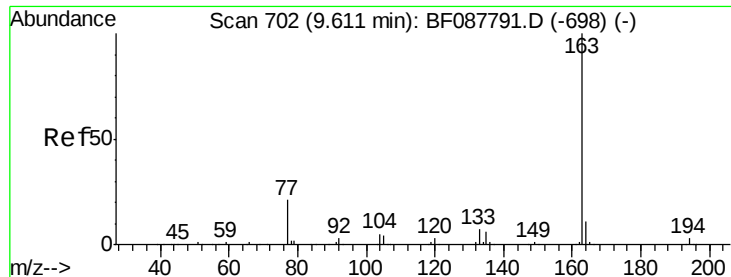
Tgt Ion:172 Resp: 1009058
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 43.0
 170 24.4 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.16 min Scan# 663
 Delta R.T. -0.10 min
 Lab File: BF087981.D
 Acq: 13 Jun 2016 14:08

Tgt Ion:154 Resp: 1784
 Ion Ratio Lower Upper
 154 100
 153 1062.5 20.6 60.6#
 76 1527.2 0.0 35.1#





#49

Dimethylphthalate

Concen: 11.25 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.01 min

Lab File: BF087981.D

Acq: 13 Jun 2016 14:08

Instrument :

BNA_F

ClientSampleId :

17-VE-PILE-WALL(0-2)

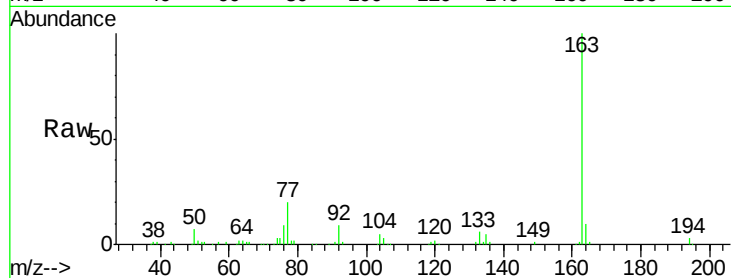
Tgt Ion:163 Resp: 174080

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

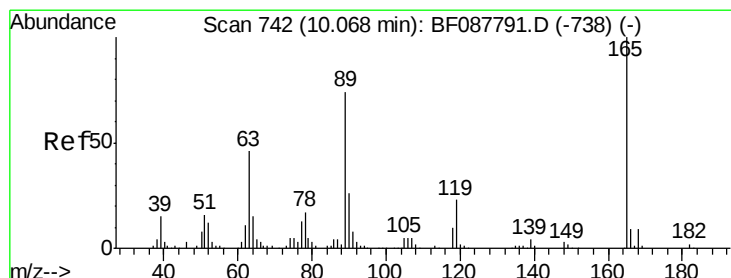
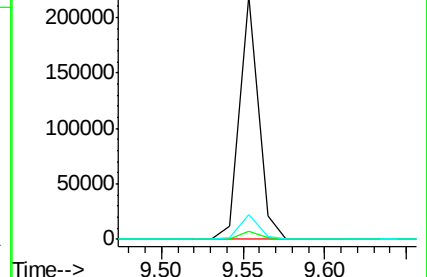
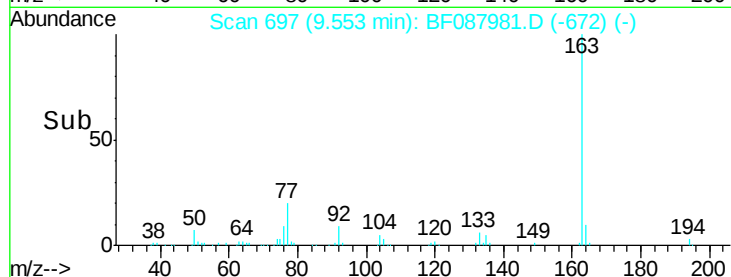
164 9.9 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 5.93 ng

RT: 9.83 min Scan# 721

Delta R.T. -0.21 min

Lab File: BF087981.D

Acq: 13 Jun 2016 14:08

Tgt Ion:165 Resp: 27029

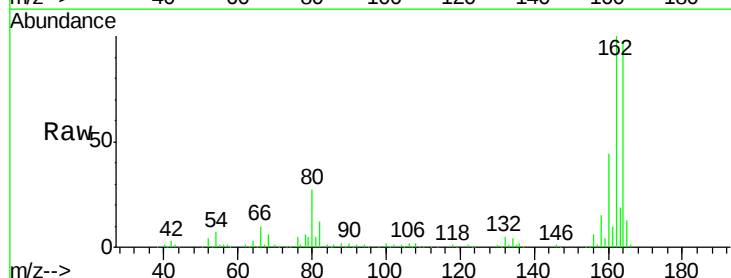
Ion Ratio Lower Upper

165 100

63 1.3 22.0 33.0#

89 1.6 41.1 61.7#

182 0.0 2.0 3.0#

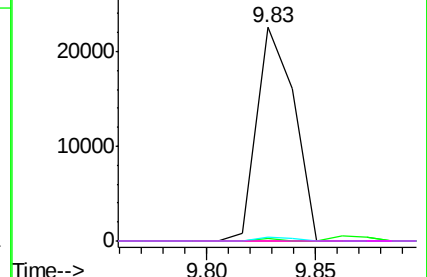
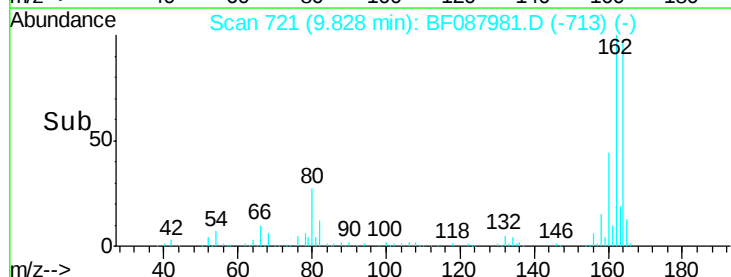


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.38 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF087981.D

Acq: 13 Jun 2016 14:08

Instrument :

BNA_F

ClientSampleId :

17-VE-PILE-WALL(0-2)

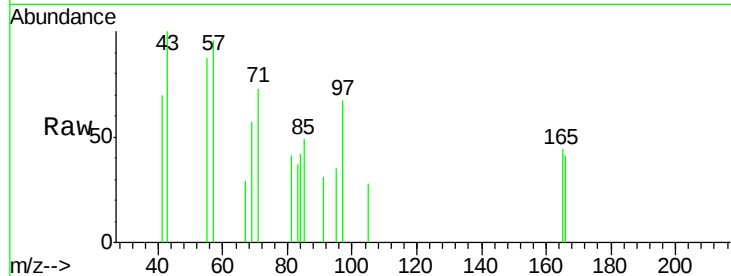
Tgt Ion:166 Resp: 313

Ion Ratio Lower Upper

166 100

165 108.3 77.8 116.8

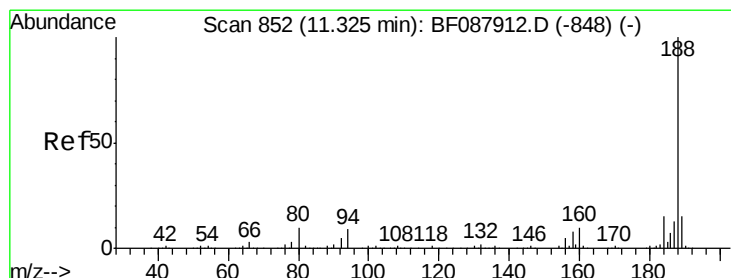
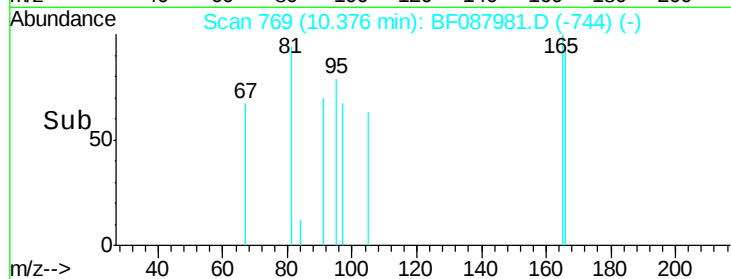
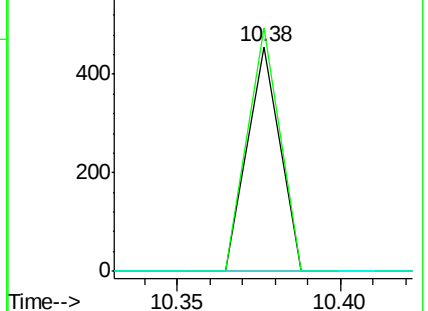
167 0.0 11.2 16.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.31 min Scan# 851

Delta R.T. 0.00 min

Lab File: BF087981.D

Acq: 13 Jun 2016 14:08

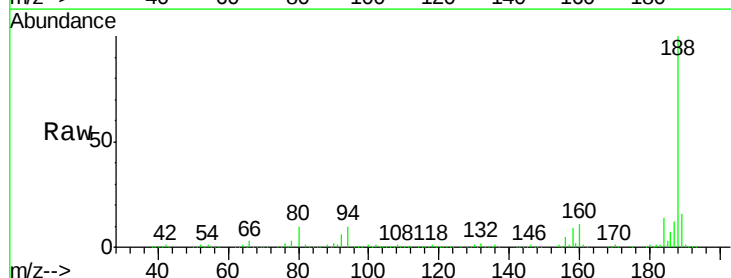
Tgt Ion:188 Resp: 389743

Ion Ratio Lower Upper

188 100

94 10.2 9.0 13.6

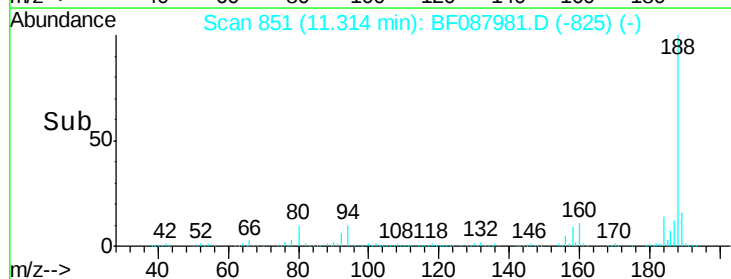
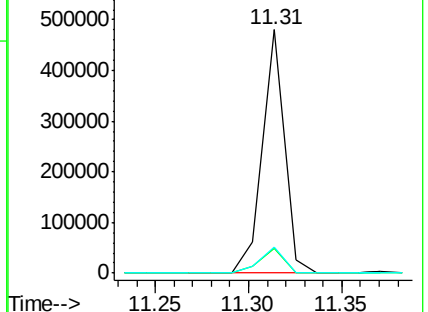
80 10.4 10.0 15.0

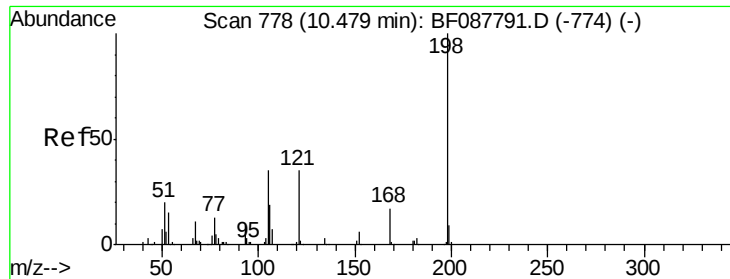


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.27 ng

RT: 10.62 min Scan# 790

Delta R.T. 0.18 min

Lab File: BF087981.D

Acq: 13 Jun 2016 14:08

Instrument :

BNA_F

ClientSampleId :

17-VE-PILE-WALL(0-2)

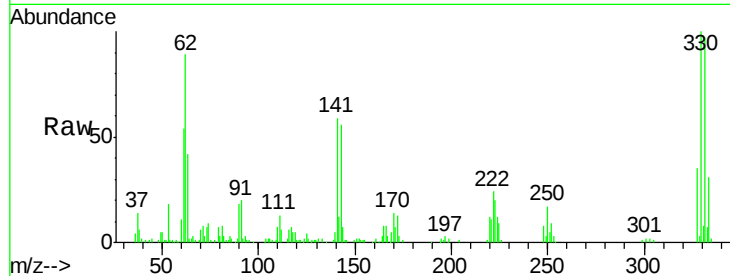
Tgt Ion:198 Resp: 267

Ion Ratio Lower Upper

198 100

51 225.1 39.6 79.6#

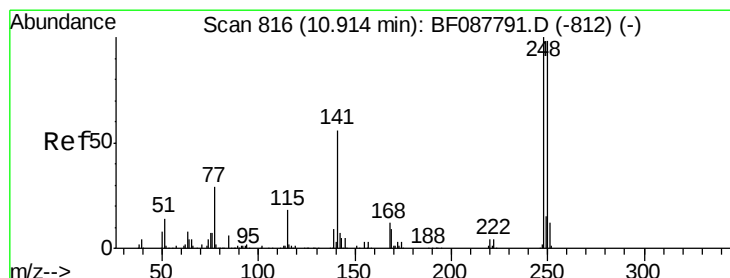
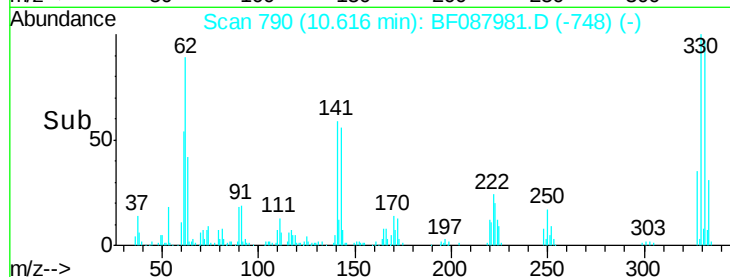
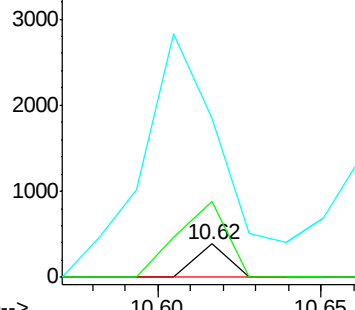
105 474.4 36.6 76.6#



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: 2.89 ng

RT: 10.62 min Scan# 790

Delta R.T. -0.25 min

Lab File: BF087981.D

Acq: 13 Jun 2016 14:08

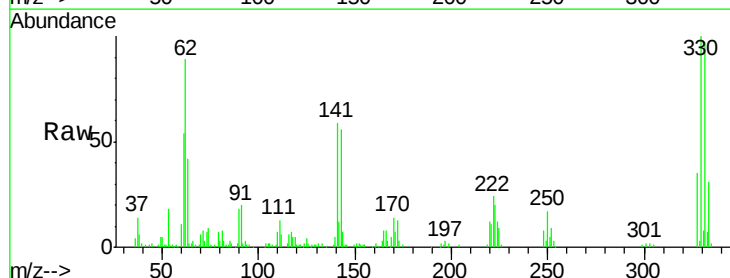
Tgt Ion:248 Resp: 12093

Ion Ratio Lower Upper

248 100

250 201.6 77.1 115.7#

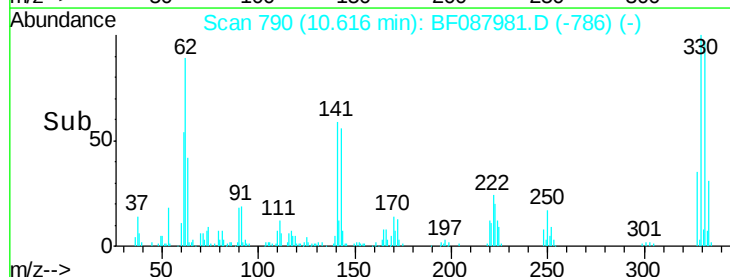
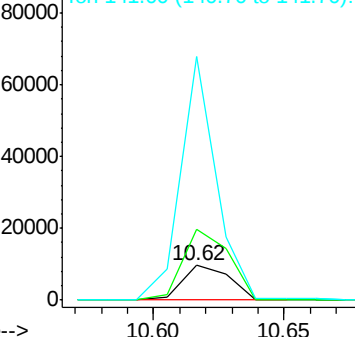
141 698.5 50.6 76.0#

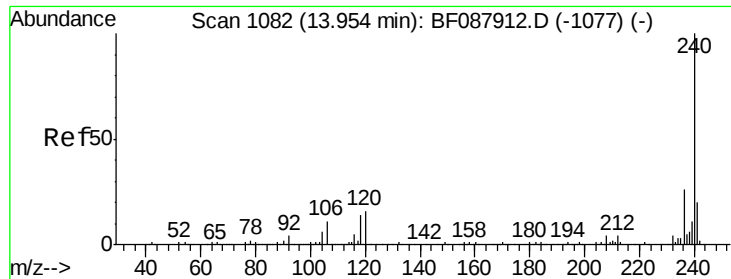


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.94 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BF087981.D

Acq: 13 Jun 2016 14:08

Instrument :

BNA_F

ClientSampleId :

17-VE-PILE-WALL(0-2)

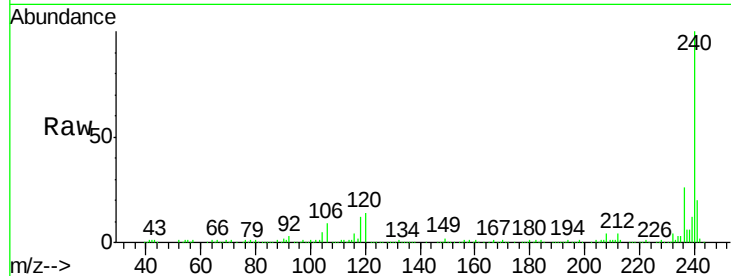
Tgt Ion:240 Resp: 249694

Ion Ratio Lower Upper

240 100

120 14.3 6.8 10.2#

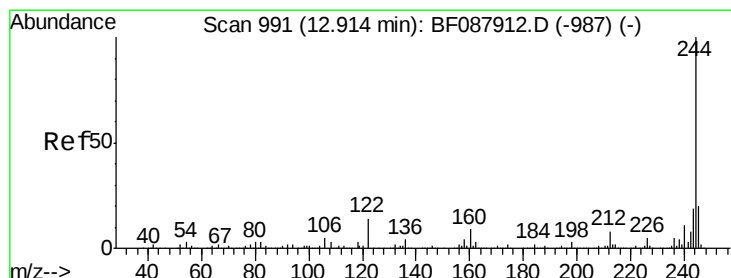
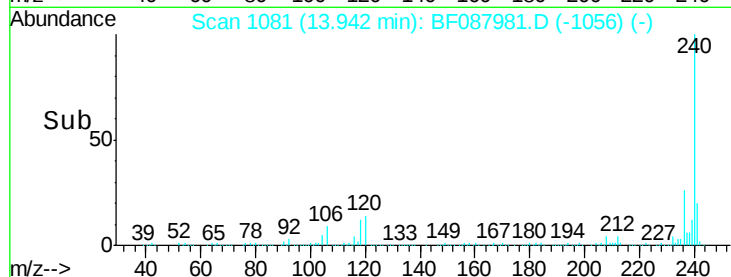
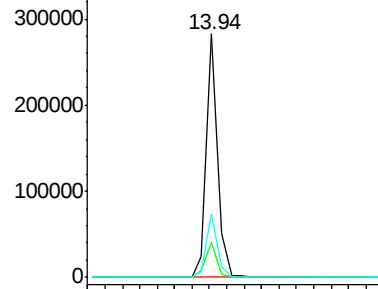
236 25.8 20.2 30.2



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: 63.31 ng

RT: 12.90 min Scan# 990

Delta R.T. 0.00 min

Lab File: BF087981.D

Acq: 13 Jun 2016 14:08

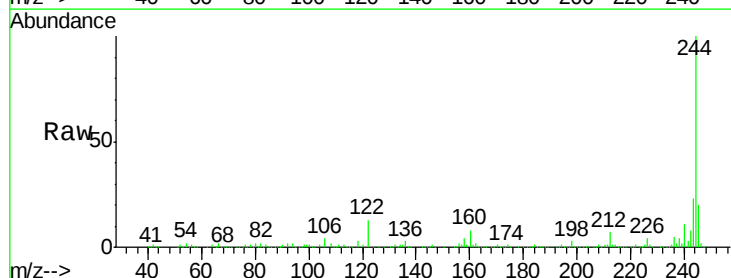
Tgt Ion:244 Resp: 694647

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

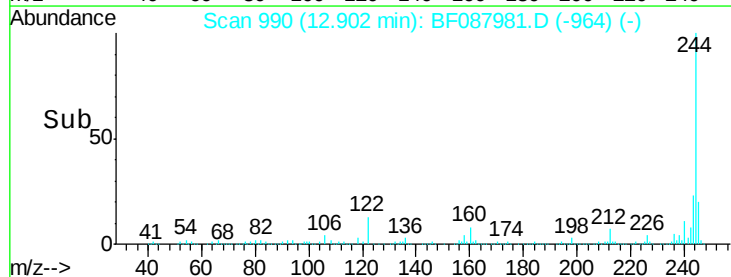
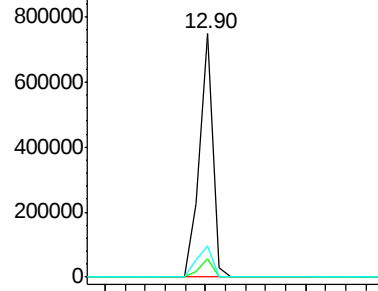
122 12.7 11.2 16.8

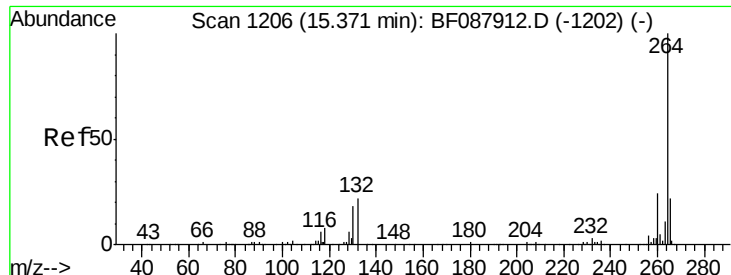


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

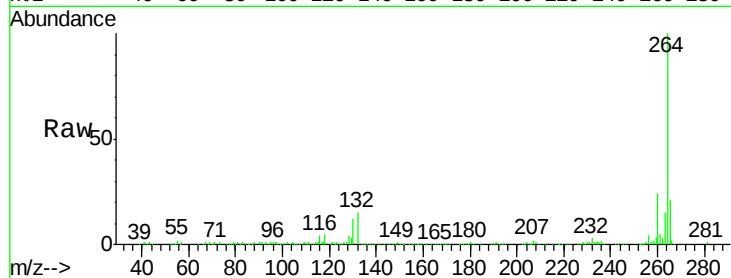




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF087981.D
Acq: 13 Jun 2016 14:08

Instrument :
BNA_F
ClientSampleId :
17-VE-PILE-WALL(0-2)

Tgt Ion: 264 Resp: 229064
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.1 16.9 25.3



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

