

Data File : BF093078.D
Acq On : 22 Feb 2017 16:34
Operator : SJ/MA
Sample : PB97097BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB97097BL

Quant Time: Feb 22 23:55:11 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	137405	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	590564	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	280937	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	523536	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	468805	20.00	ng	-0.03
86) Perylene-d12	15.41	264	389203	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1212337	151.37	ng	0.00
7) Phenol-d6	6.48	99	1515108	147.03	ng	-0.01
23) Nitrobenzene-d5	7.40	82	843522	79.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	290963	143.20	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	1511709	97.49	ng	-0.02
78) Terphenyl-d14	12.95	244	1529617	76.66	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	111479	16.99	ng	# 81
25) Isophorone	7.40	82	698175	35.33	ng	# 65
50) 2,6-Dinitrotoluene	9.87	165	35436	8.67	ng	# 31
56) 2,4-Dinitrotoluene	9.87	165	35436	6.51	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.66	198	560	2.83	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	20925	3.83	ng	# 1

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

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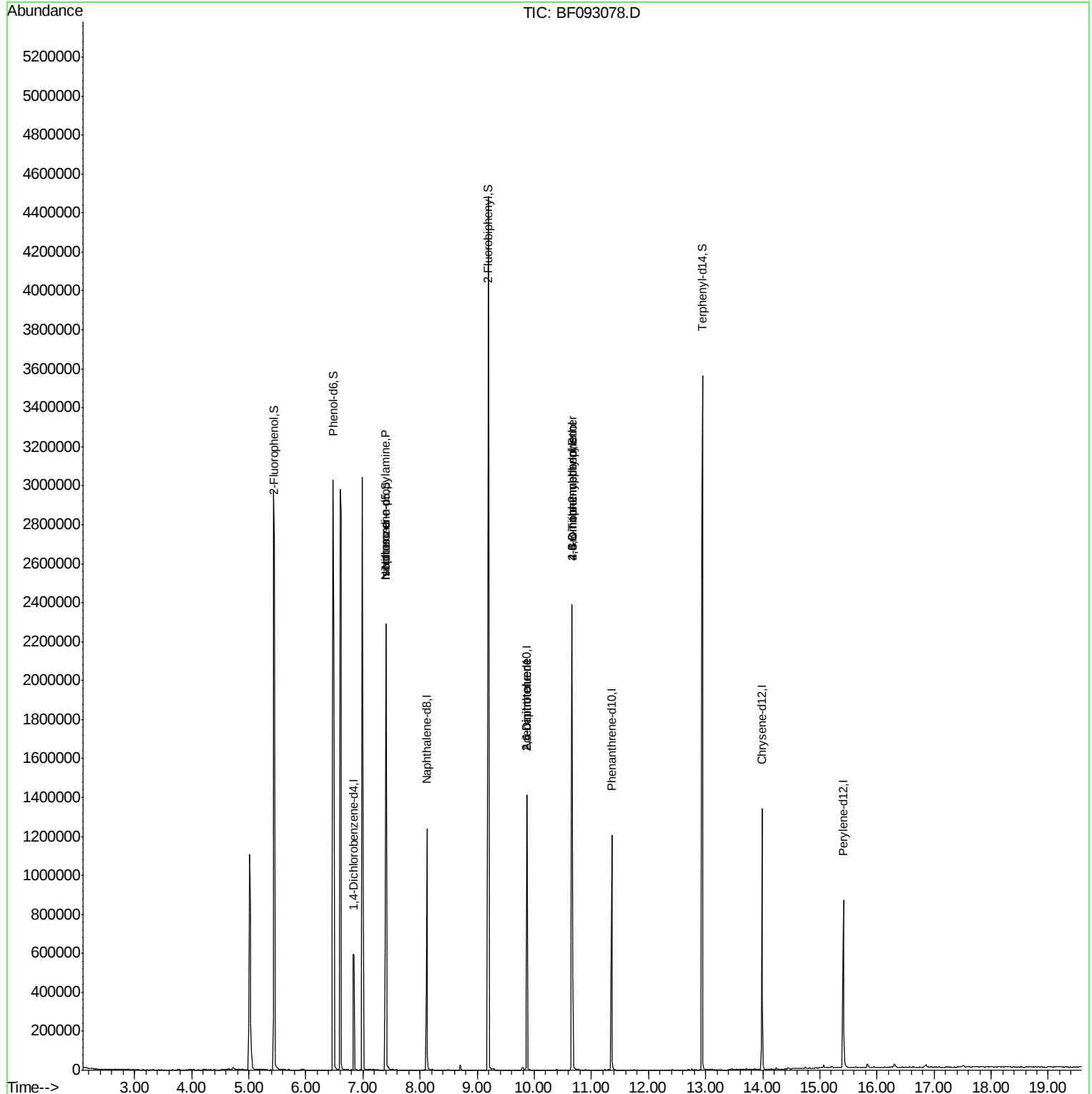
Quant Time: Feb 22 23:55:11 2017

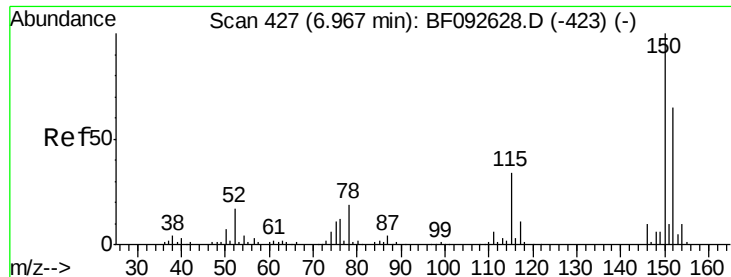
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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QLast Update : Fri Feb 17 17:31:55 2017

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

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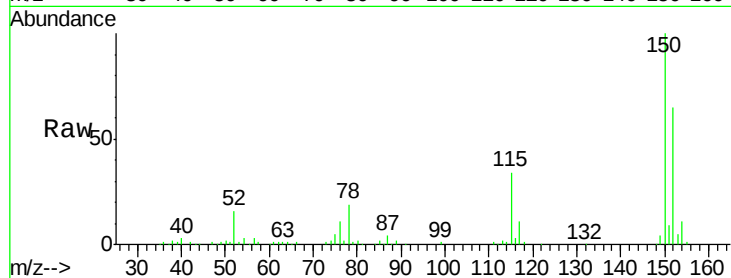
Tgt Ion:152 Resp: 137405

Ion Ratio Lower Upper

152 100

150 154.6 124.9 187.3

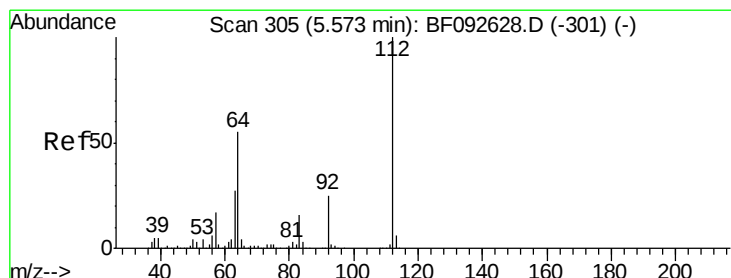
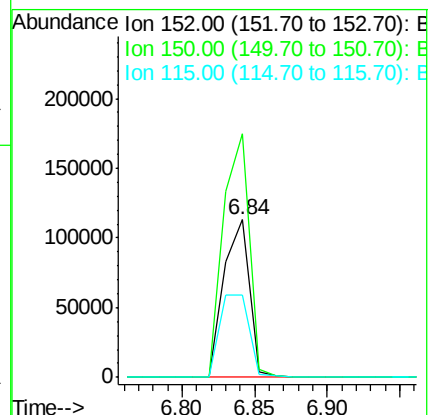
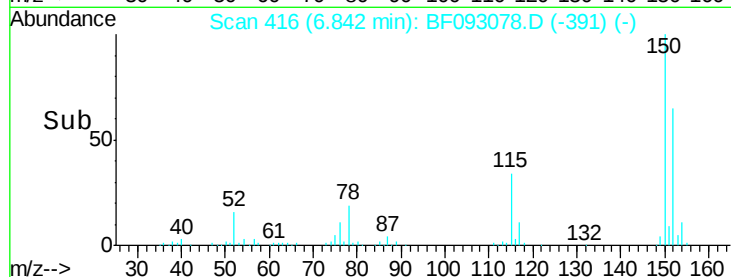
115 52.2 46.0 69.0



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: 151.37 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.00 min

Lab File: BF093078.D

Acq: 22 Feb 2017 16:34

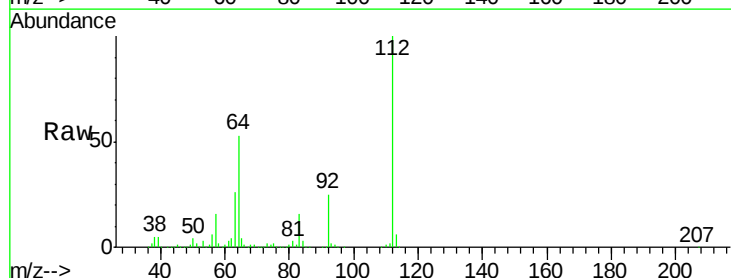
Tgt Ion:112 Resp: 1212337

Ion Ratio Lower Upper

112 100

64 52.8 46.1 69.1

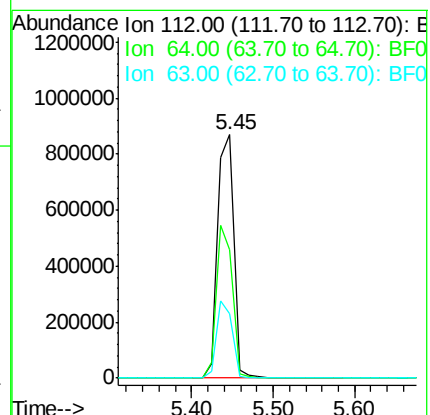
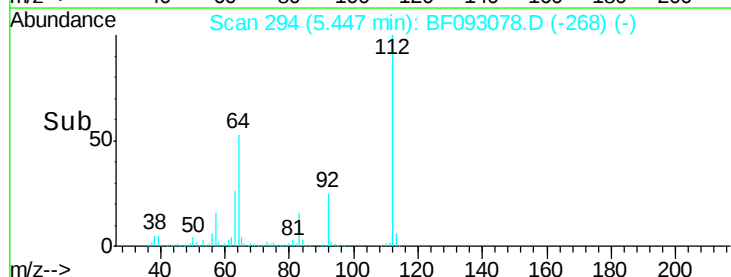
63 26.2 23.8 35.6

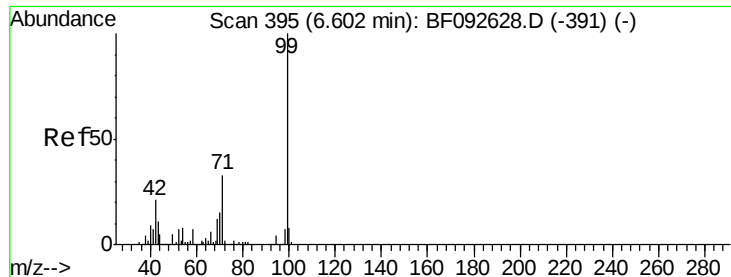


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 147.03 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

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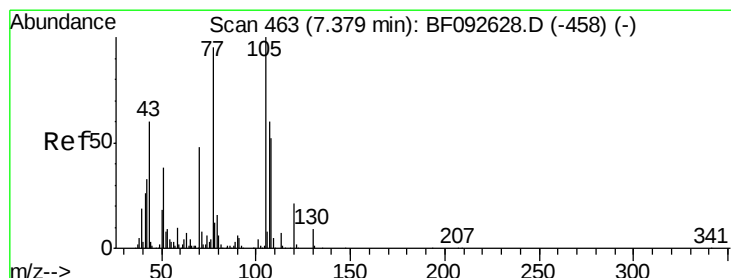
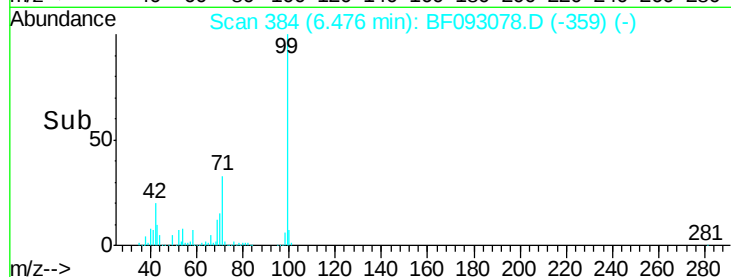
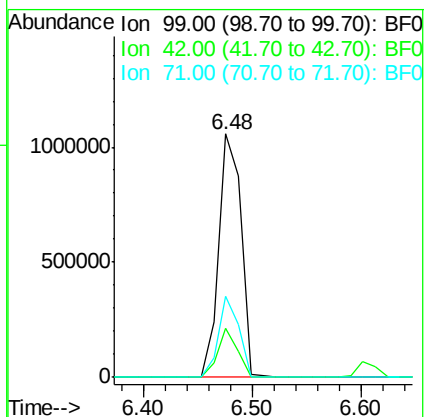
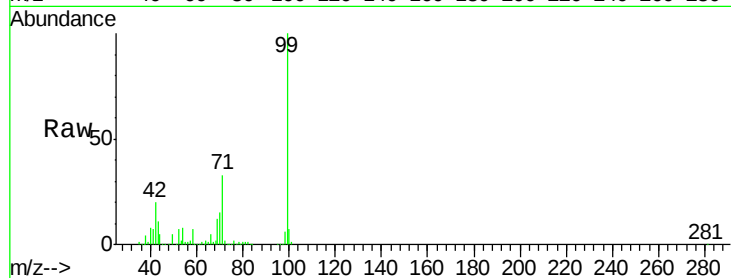
Tgt Ion: 99 Resp: 1515108

Ion Ratio Lower Upper

99 100

42 20.2 15.6 23.4

71 33.2 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.99 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.13 min

Lab File: BF093078.D

Acq: 22 Feb 2017 16:34

Tgt Ion: 70 Resp: 111479

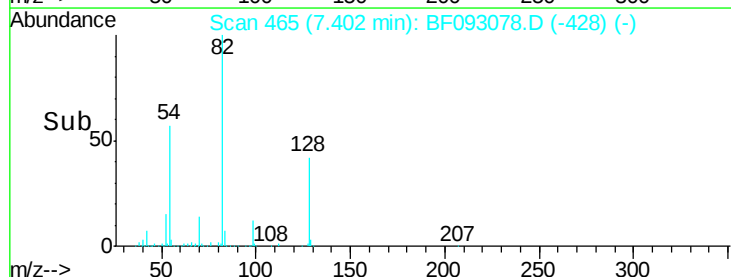
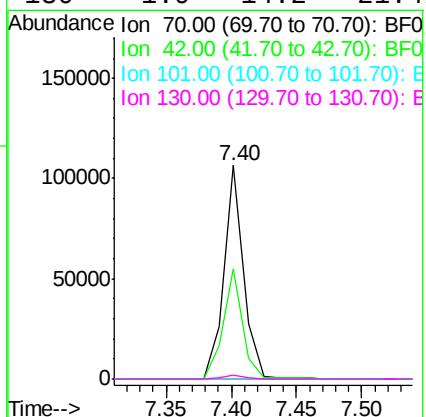
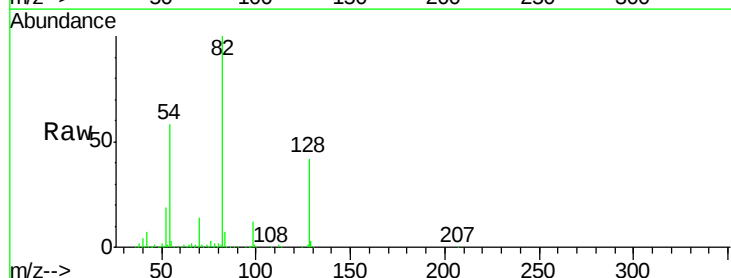
Ion Ratio Lower Upper

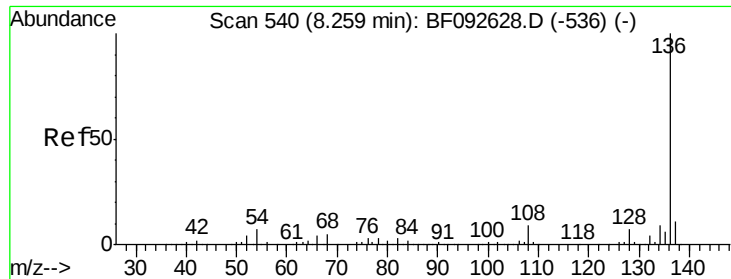
70 100

42 51.4 49.4 74.0

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#

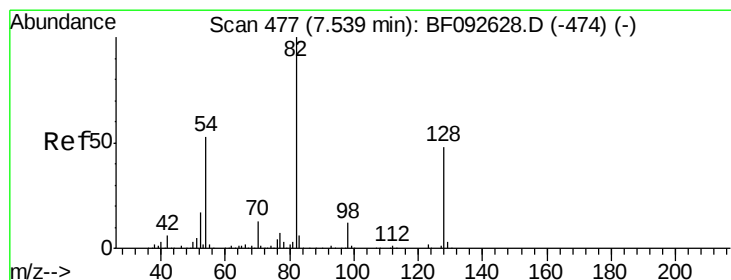
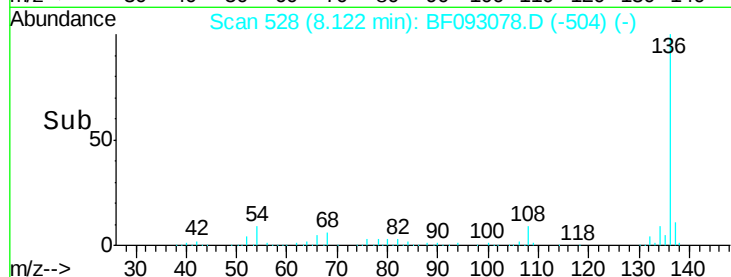
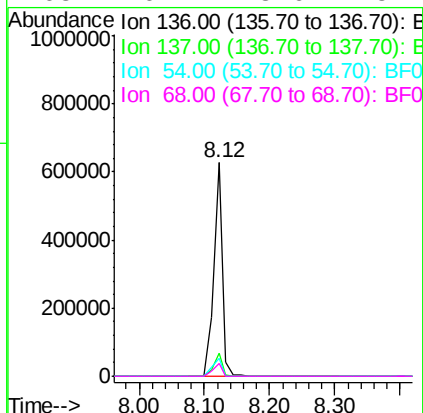
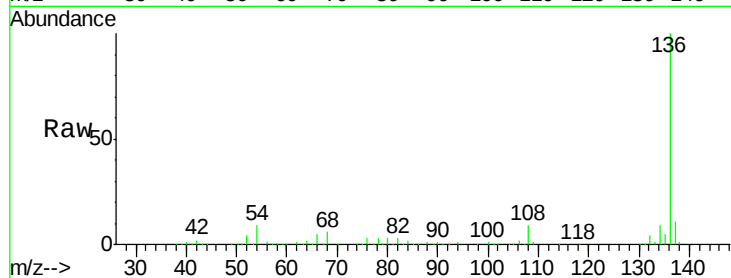




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093078.D
Acq: 22 Feb 2017 16:34

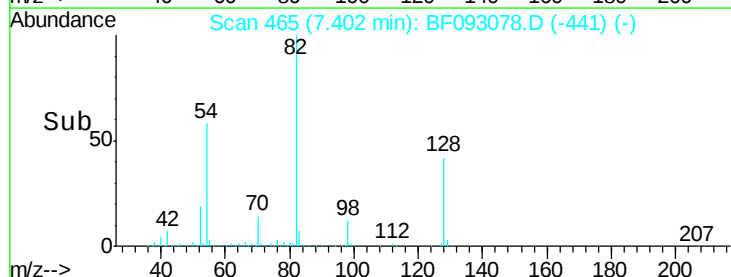
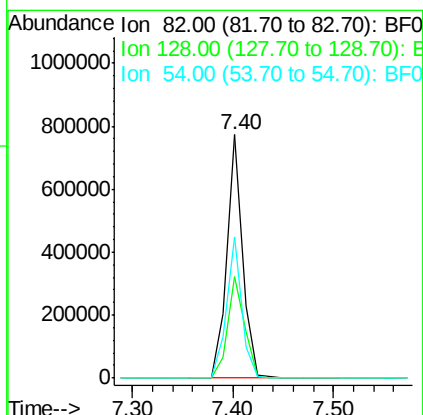
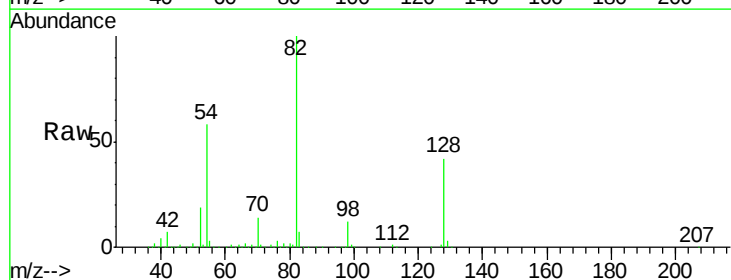
Instrument :
BNA_F
ClientSampleId :
PB97097BL

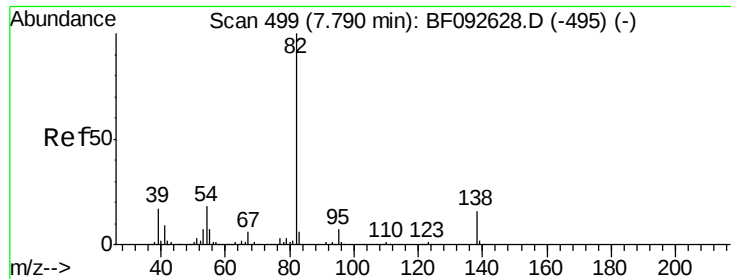
Tgt Ion:	136	Resp:	590564
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	8.5	4.5	6.7#
68	6.2	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 79.54 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093078.D
Acq: 22 Feb 2017 16:34

Tgt Ion:	82	Resp:	843522
Ion	Ratio	Lower	Upper
82	100		
128	41.5	34.6	52.0
54	58.1	39.5	59.3





#25

Isophorone

Concen: 35.33 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.29 min

Lab File: BF093078.D

Acq: 22 Feb 2017 16:34

Instrument :

BNA_F

ClientSampleId :

PB97097BL

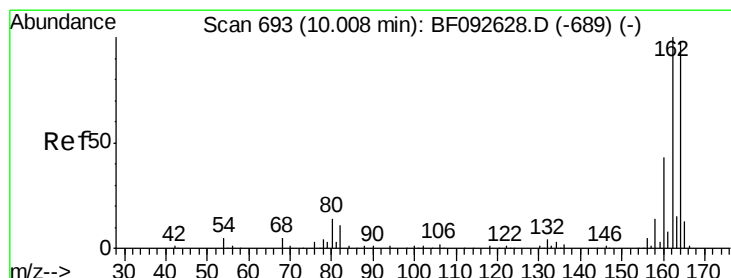
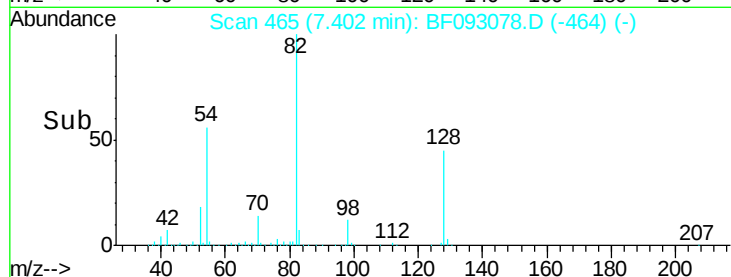
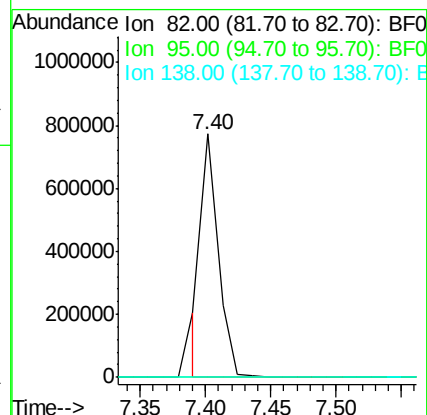
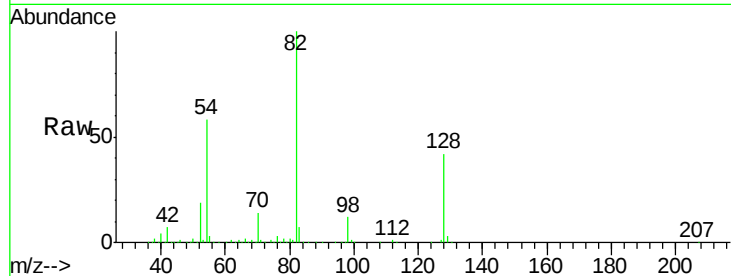
Tgt Ion: 82 Resp: 698175

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF093078.D

Acq: 22 Feb 2017 16:34

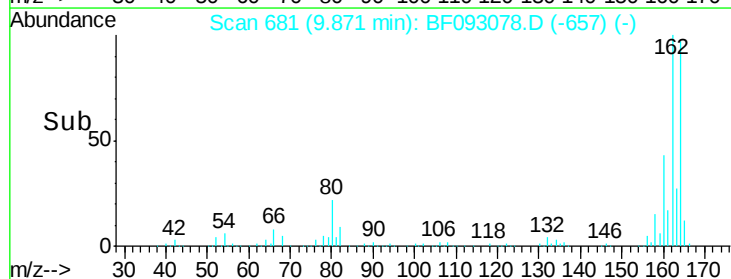
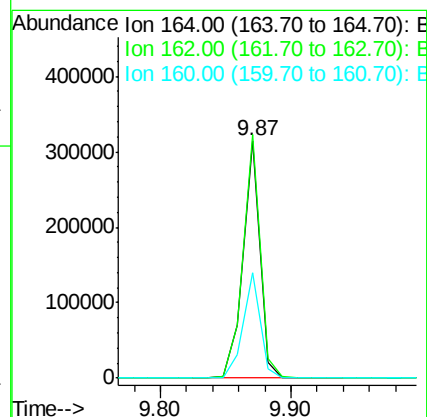
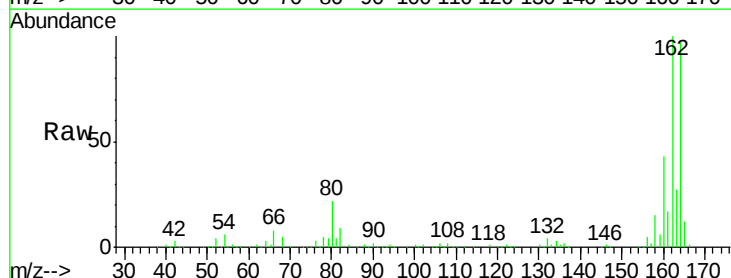
Tgt Ion: 164 Resp: 280937

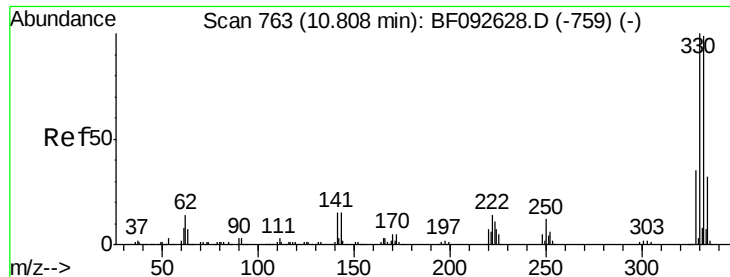
Ion Ratio Lower Upper

164 100

162 102.6 80.2 120.2

160 44.5 36.9 55.3

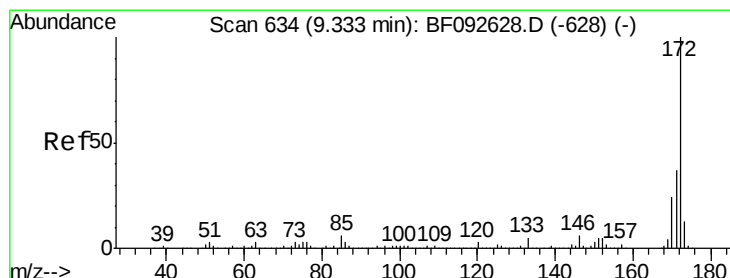
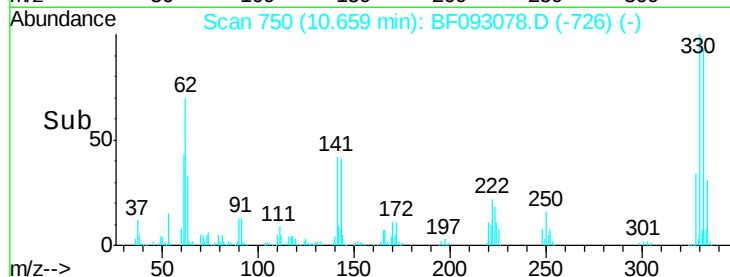
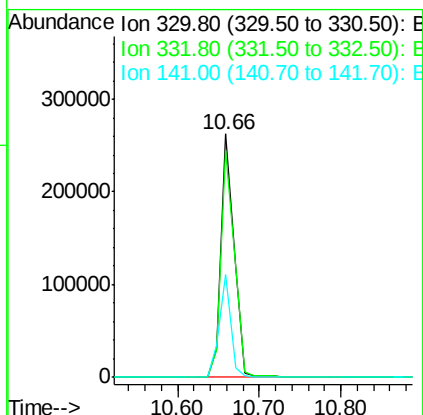
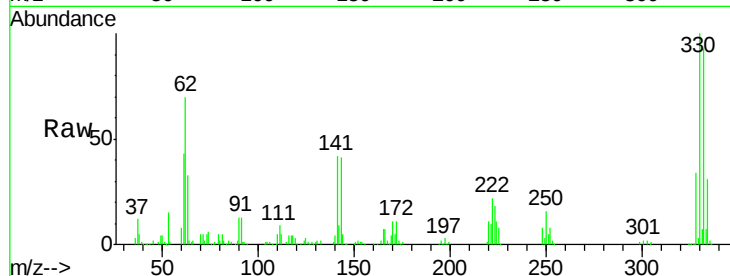




#41
 2,4,6-Tribromophenol
 Concen: 143.20 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.02 min
 Lab File: BF093078.D
 Acq: 22 Feb 2017 16:34

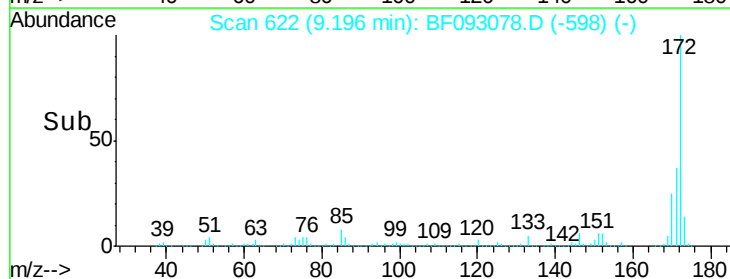
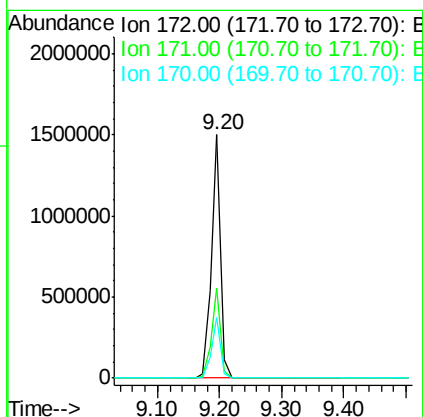
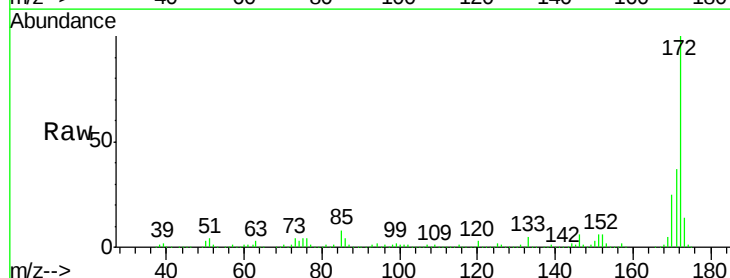
Instrument :
 BNA_F
 ClientSampleId :
 PB97097BL

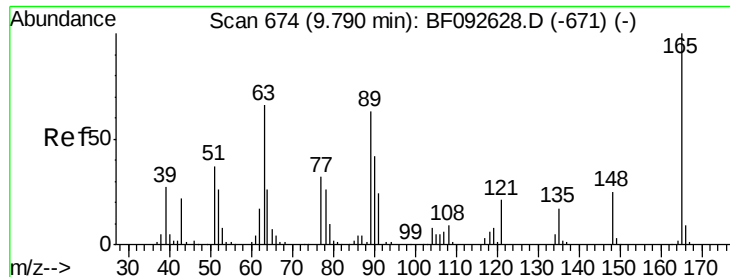
Tgt Ion:330 Resp: 290963
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.4 116.2
 141 37.8 34.1 51.1



#44
 2-Fluorobiphenyl
 Concen: 97.49 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.02 min
 Lab File: BF093078.D
 Acq: 22 Feb 2017 16:34

Tgt Ion:172 Resp: 1511709
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.4 44.0
 170 24.9 20.2 30.4

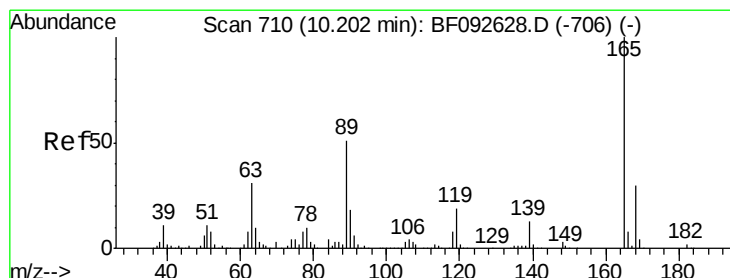
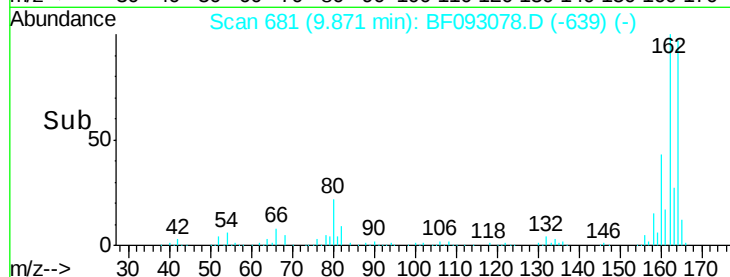
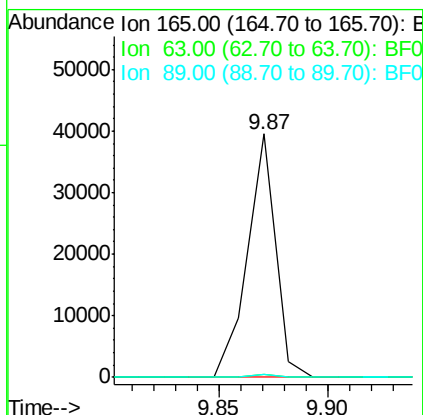
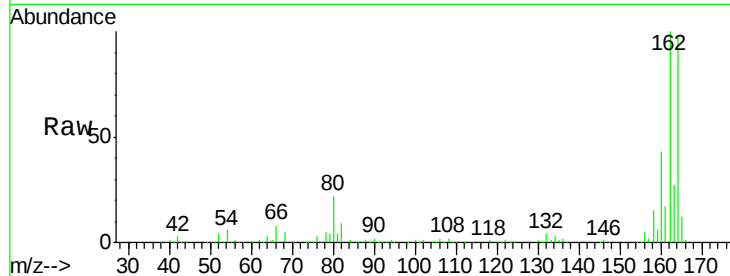




#50
 2,6-Dinitrotoluene
 Concen: 8.67 ng
 RT: 9.87 min Scan# 681
 Delta R.T. 0.18 min
 Lab File: BF093078.D
 Acq: 22 Feb 2017 16:34

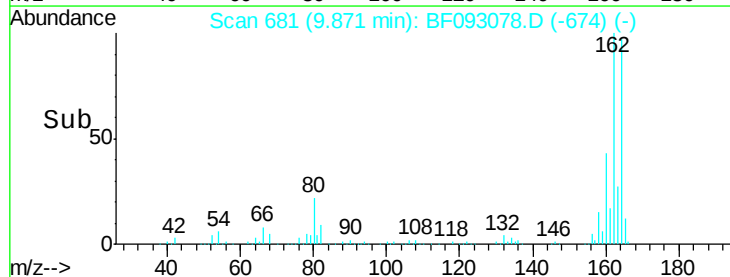
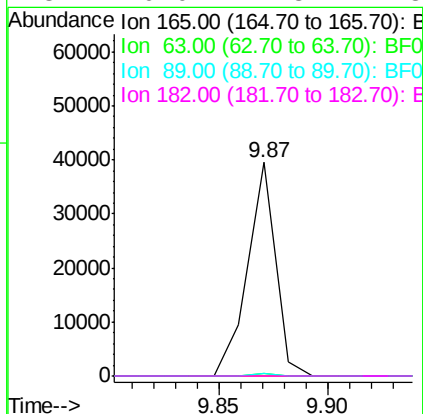
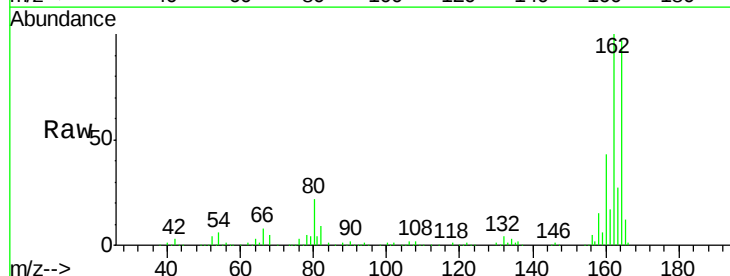
Instrument :
 BNA_F
 ClientSampleId :
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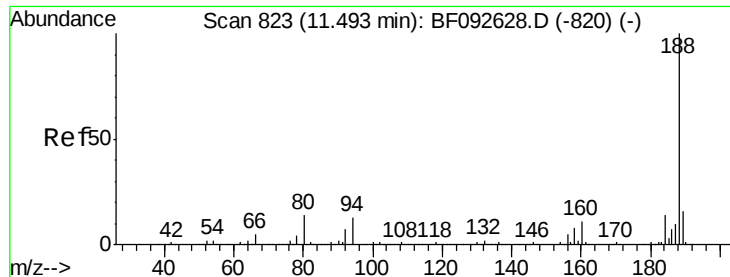
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.2	54.4#
89	1.1	40.2	60.4#



#56
 2,4-Dinitrotoluene
 Concen: 6.51 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.22 min
 Lab File: BF093078.D
 Acq: 22 Feb 2017 16:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	40.2	60.4#
89	1.1	62.5	93.7#
182	0.0	1.8	2.8#

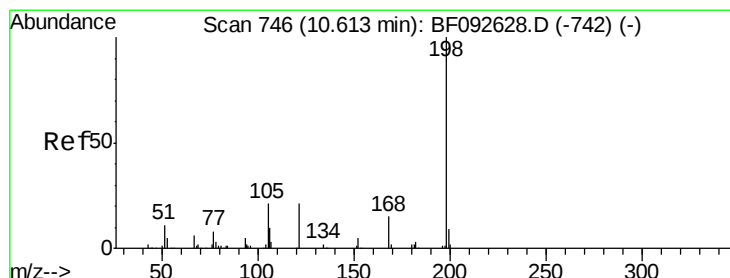
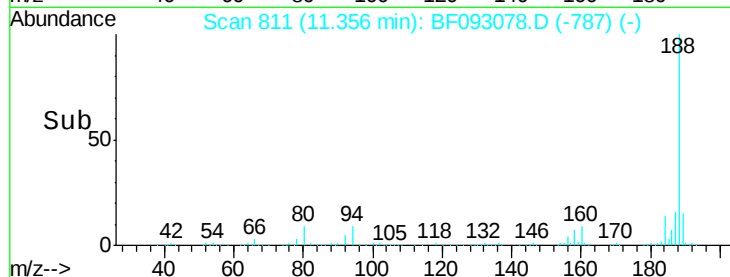
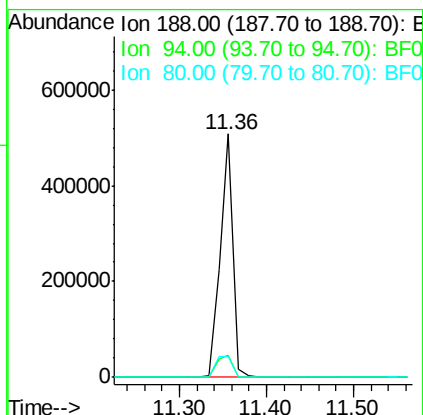
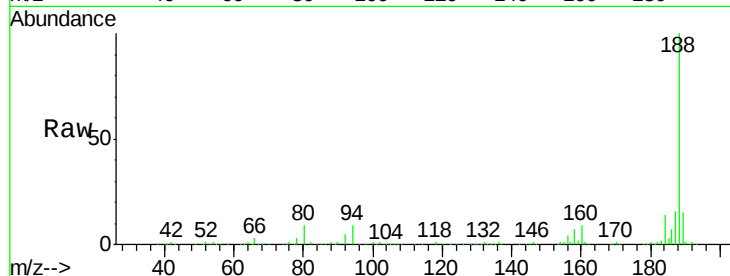




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BF093078.D
 Acq: 22 Feb 2017 16:34

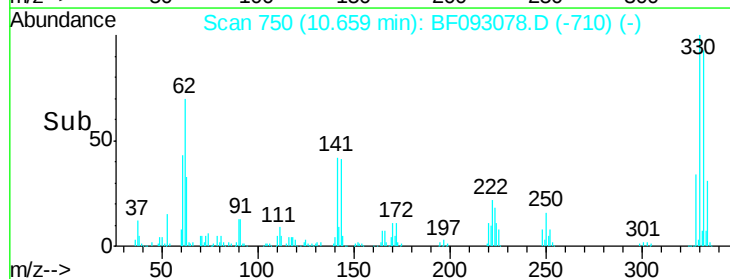
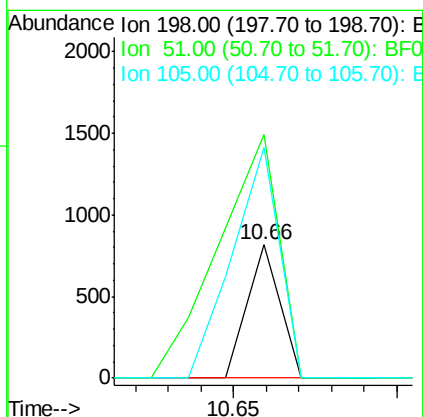
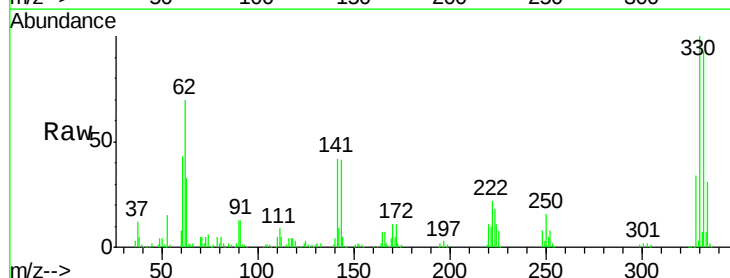
Instrument :
 BNA_F
 ClientSampleId :
 PB97097BL

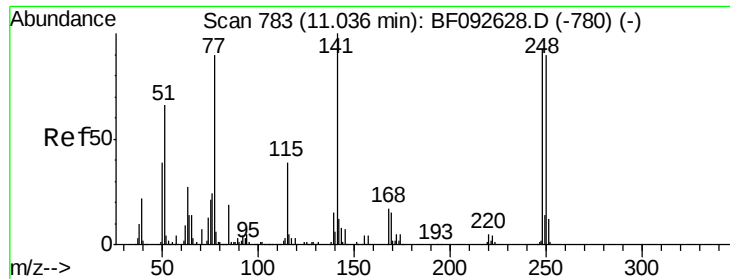
Tgt Ion:188 Resp: 523536
 Ion Ratio Lower Upper
 188 100
 94 9.0 10.0 15.0#
 80 8.8 11.2 16.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.83 ng
 RT: 10.66 min Scan# 750
 Delta R.T. 0.16 min
 Lab File: BF093078.D
 Acq: 22 Feb 2017 16:34

Tgt Ion:198 Resp: 560
 Ion Ratio Lower Upper
 198 100
 51 182.6 6.7 46.7#
 105 173.6 16.6 56.6#

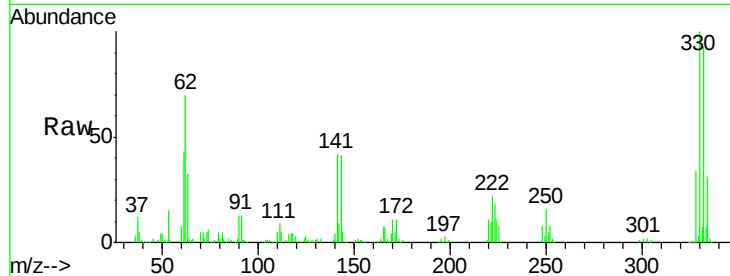




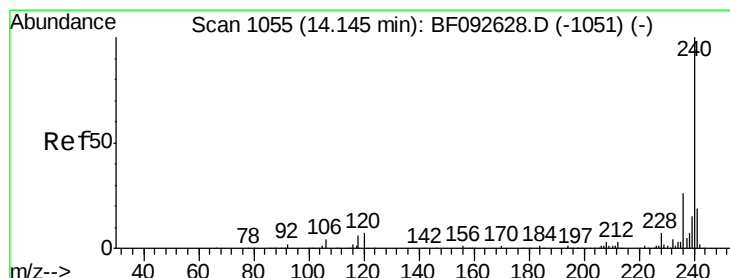
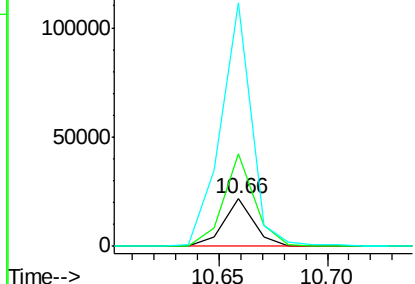
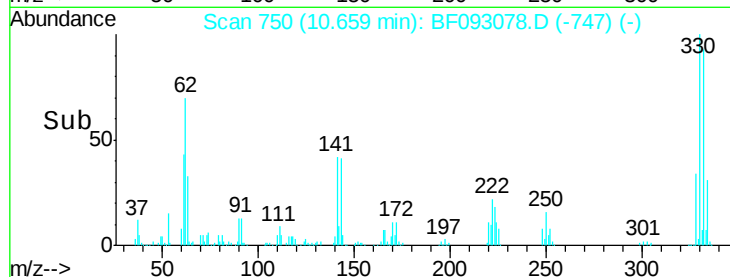
#66
 4-Bromophenyl-phenylether
 Concen: 3.83 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.26 min
 Lab File: BF093078.D
 Acq: 22 Feb 2017 16:34

Instrument :
 BNA_F
 ClientSampleId :
 PB97097BL

Tgt Ion: 248 Resp: 20925
 Ion Ratio Lower Upper
 248 100
 250 194.6 76.9 115.3#
 141 513.7 68.2 102.4#

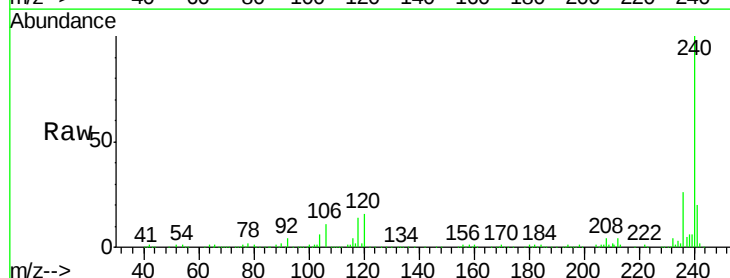


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

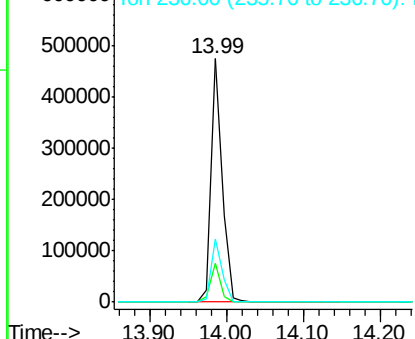
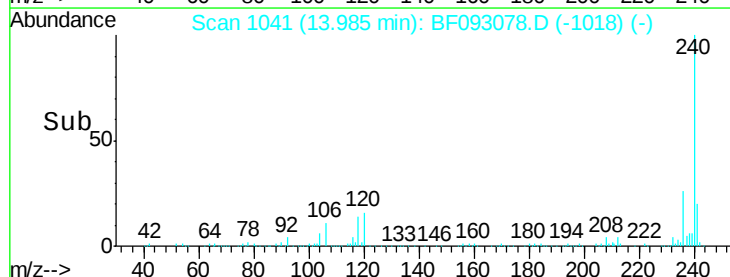


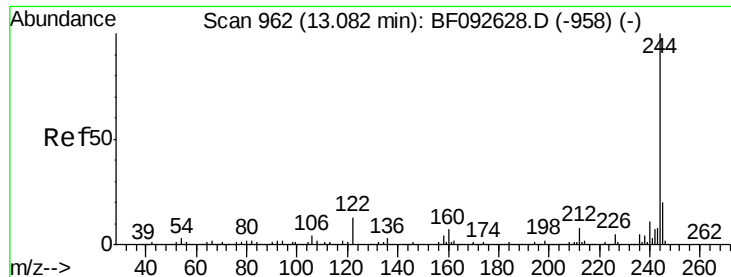
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.03 min
 Lab File: BF093078.D
 Acq: 22 Feb 2017 16:34

Tgt Ion: 240 Resp: 468805
 Ion Ratio Lower Upper
 240 100
 120 16.2 12.9 19.3
 236 26.1 20.9 31.3



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: 76.66 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093078.D

Acq: 22 Feb 2017 16:34

Instrument :

BNA_F

ClientSampleId :

PB97097BL

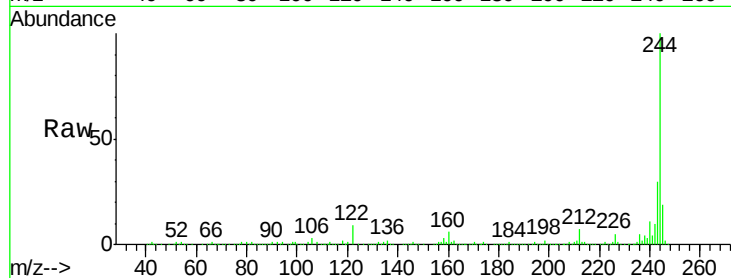
Tgt Ion:244 Resp: 1529617

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

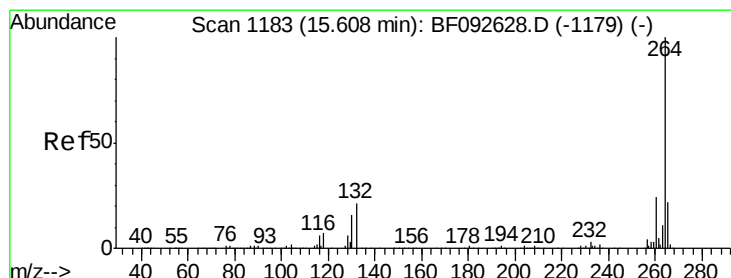
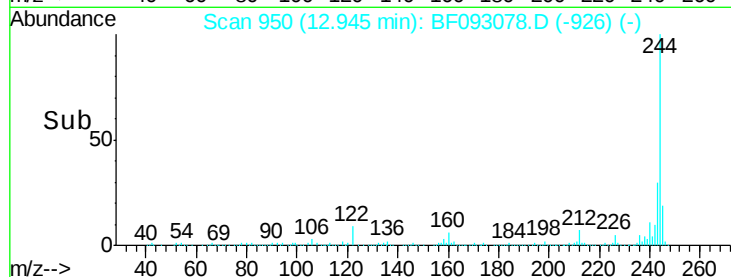
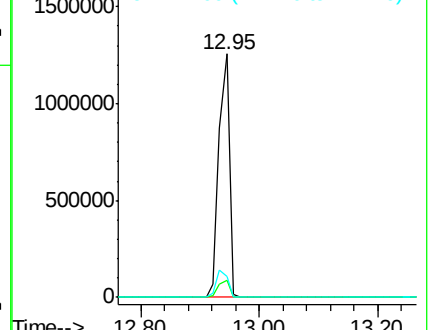
122 8.7 11.4 17.2#



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: 15.41 min Scan# 1166

Delta R.T. -0.03 min

Lab File: BF093078.D

Acq: 22 Feb 2017 16:34

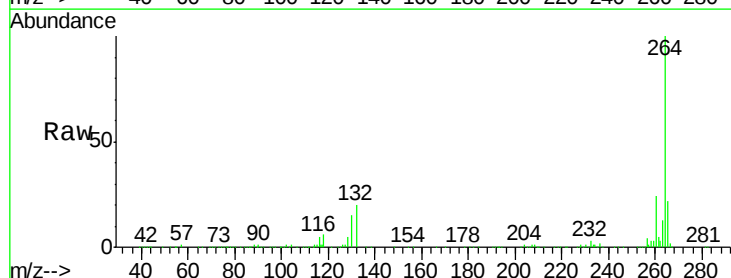
Tgt Ion:264 Resp: 389203

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.8 17.4 26.0



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

