

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030617\
 Data File : BF093403.D
 Acq On : 6 Mar 2017 16:23
 Operator : SJ/MA
 Sample : I2078-15
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-8

Quant Time: Mar 06 23:54:15 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

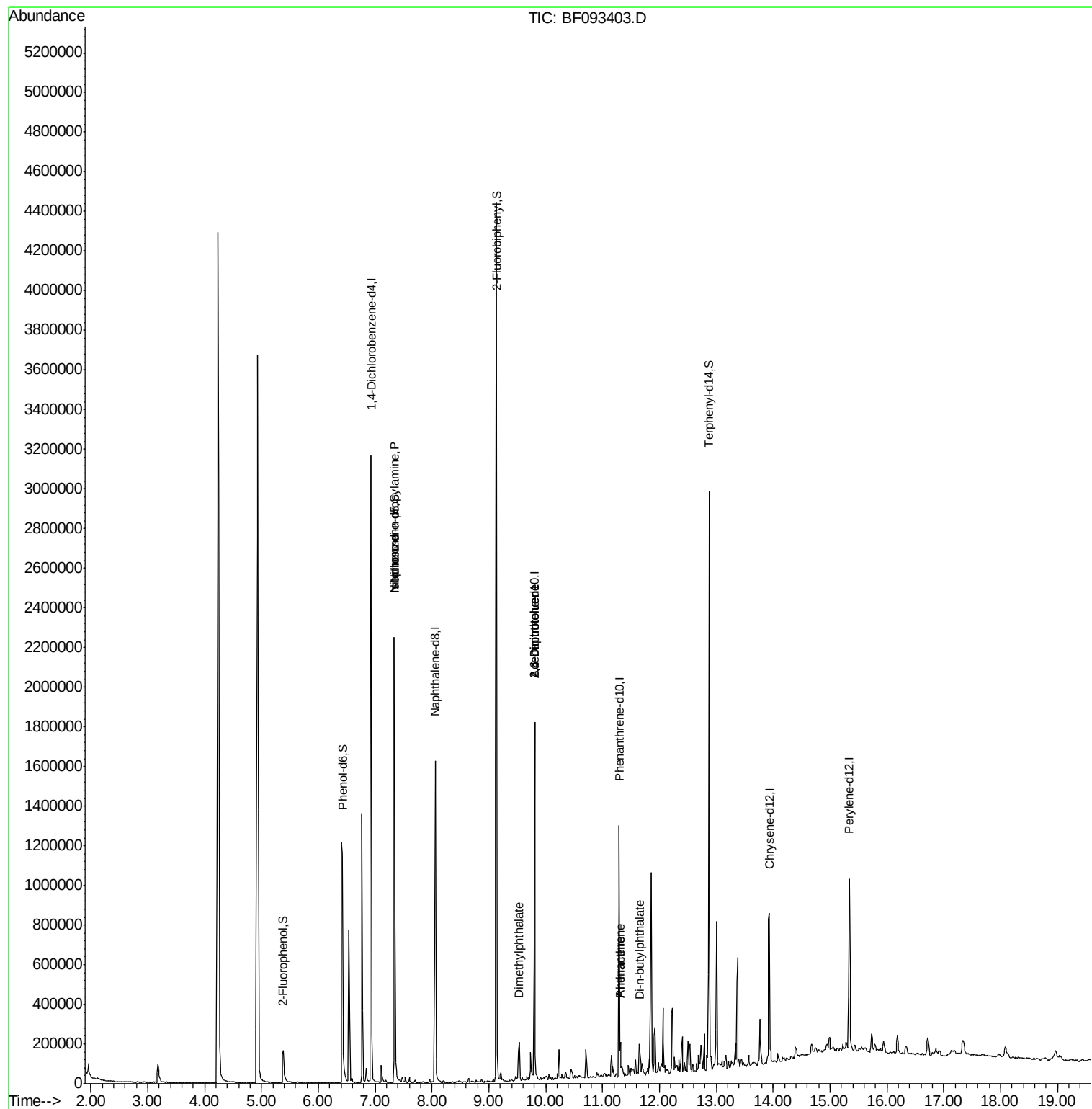
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	498305	20.00	ng	0.07
21) Naphthalene-d8	8.06	136	799045	20.00	ng	-0.09
38) Acenaphthene-d10	9.81	164	363844	20.00	ng	-0.09
63) Phenanthrene-d10	11.29	188	596914	20.00	ng	-0.09
75) Chrysene-d12	13.93	240	381906	20.00	ng	-0.09
86) Perylene-d12	15.34	264	367308	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	97617	3.36	ng	-0.06
7) Phenol-d6	6.42	99	710171	19.00	ng	-0.06
23) Nitrobenzene-d5	7.34	82	815202	56.81	ng	-0.09
41) 2,4,6-Tribromophenol	10.61	330	1862	0.71	ng	-0.07
44) 2-Fluorobiphenyl	9.13	172	1447505	72.07	ng	-0.09
78) Terphenyl-d14	12.87	244	919186	56.55	ng	-0.10
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.34	70	109763	4.61	ng	# 83
25) Isophorone	7.34	82	782133	29.25	ng	# 65
49) Dimethylphthalate	9.53	163	104246	4.25	ng	98
50) 2,6-Dinitrotoluene	9.81	165	47738	9.02	ng	# 31
56) 2,4-Dinitrotoluene	9.81	165	47742	6.78	ng	# 20
70) Phenanthrene	11.32	178	70256	2.05	ng	97
71) Anthracene	11.32	178	70256	2.05	ng	97
73) Di-n-butylphthalate	11.65	149	88339	2.49	ng	99

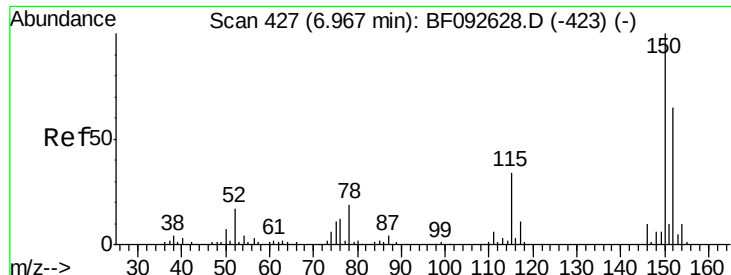
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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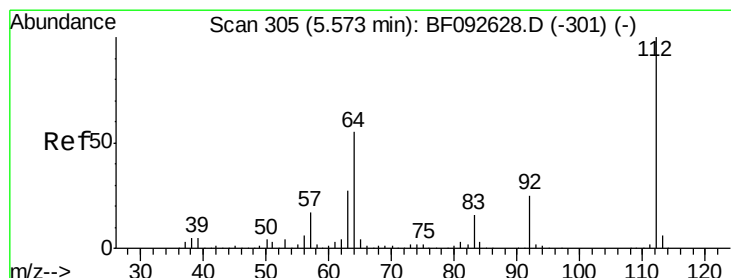
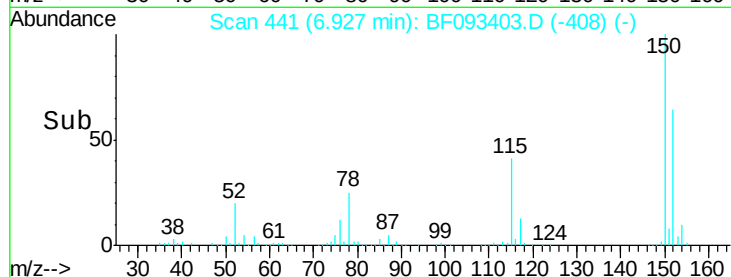
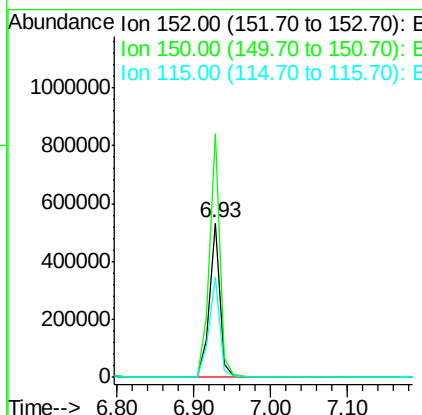
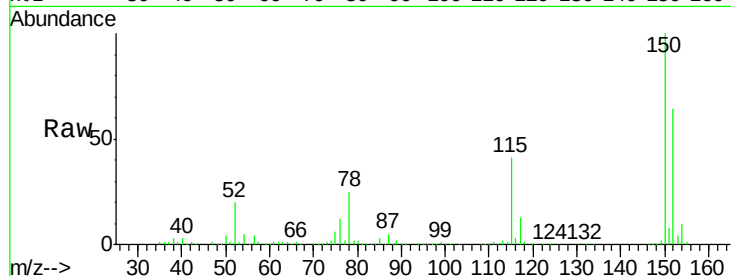




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.93 min Scan# 441
 Delta R.T. 0.07 min
 Lab File: BF093403.D
 Acq: 6 Mar 2017 16:23

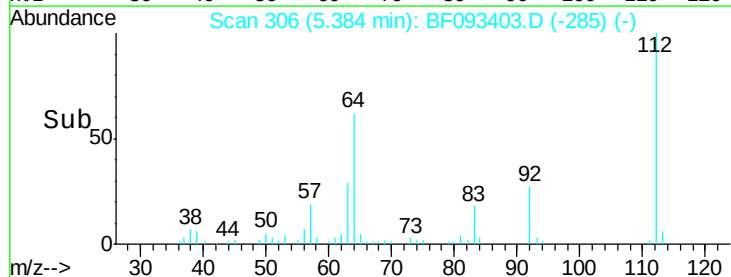
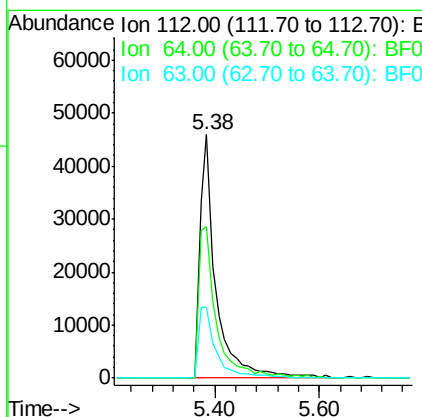
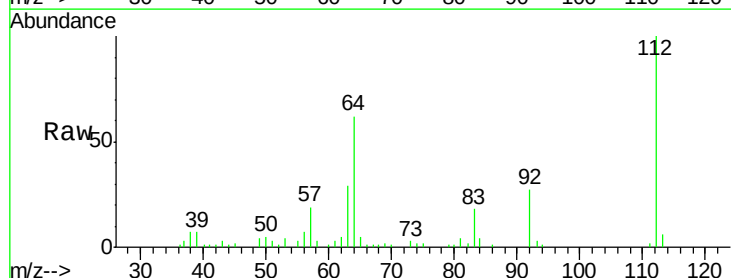
Instrument :
 BNA_F
 ClientSampleId :
 C-8

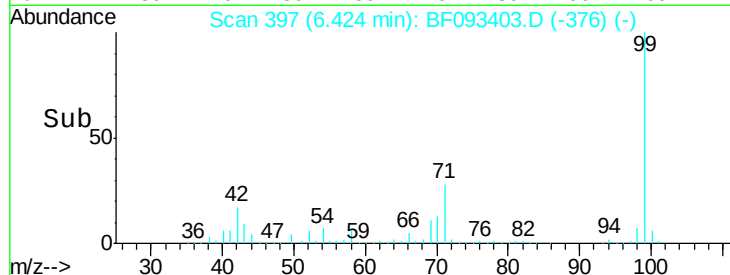
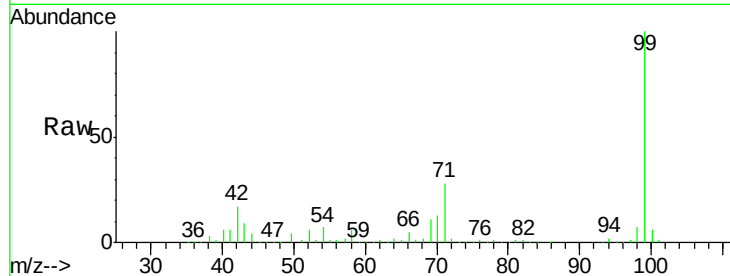
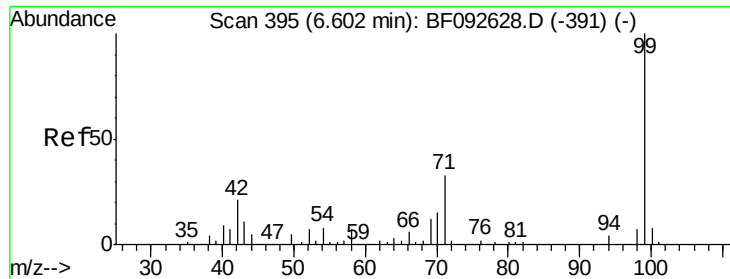
Tgt Ion:152 Resp: 498305
 Ion Ratio Lower Upper
 152 100
 150 157.4 124.9 187.3
 115 64.6 46.0 69.0



#5
 2-Fluorophenol
 Concen: 3.36 ng
 RT: 5.38 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: BF093403.D
 Acq: 6 Mar 2017 16:23

Tgt Ion:112 Resp: 97617
 Ion Ratio Lower Upper
 112 100
 64 62.2 46.1 69.1
 63 29.3 23.8 35.6





#7

Phenol-d6

Concen: 19.00 ng

RT: 6.42 min Scan# 397

Delta R.T. -0.06 min

Lab File: BF093403.D

Acq: 6 Mar 2017 16:23

Instrument :

BNA_F

ClientSampleId :

C-8

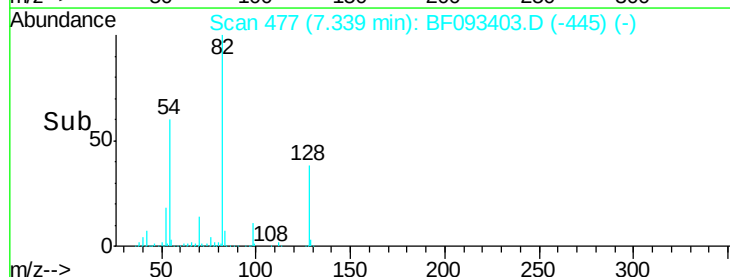
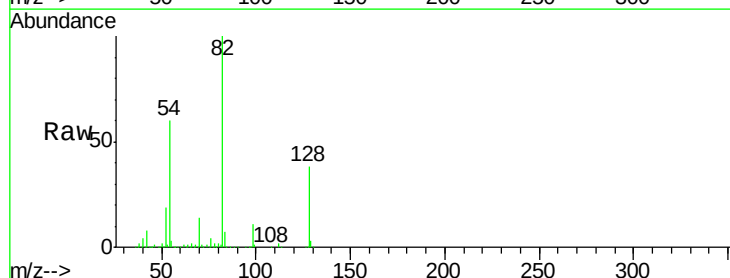
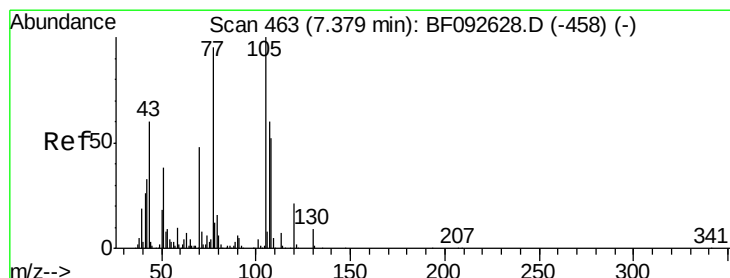
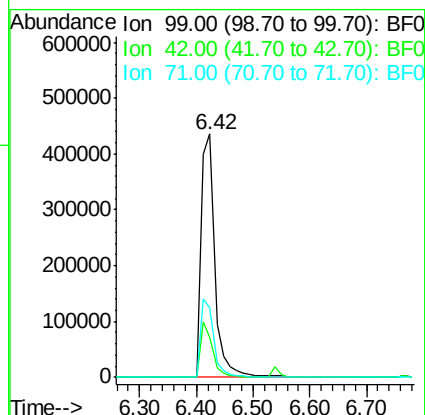
Tgt Ion: 99 Resp: 710171

Ion Ratio Lower Upper

99 100

42 16.7 15.6 23.4

71 28.3 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 4.61 ng

RT: 7.34 min Scan# 477

Delta R.T. 0.06 min

Lab File: BF093403.D

Acq: 6 Mar 2017 16:23

Tgt Ion: 70 Resp: 109763

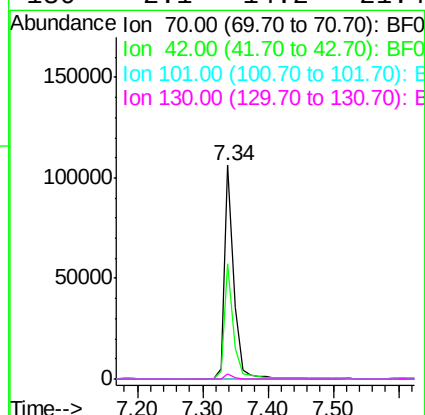
Ion Ratio Lower Upper

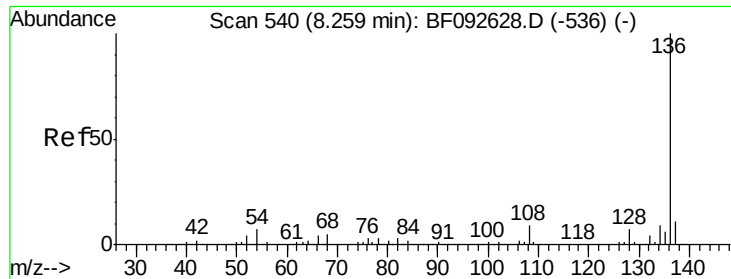
70 100

42 54.1 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

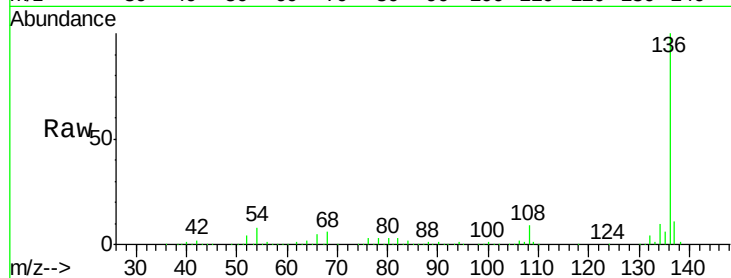




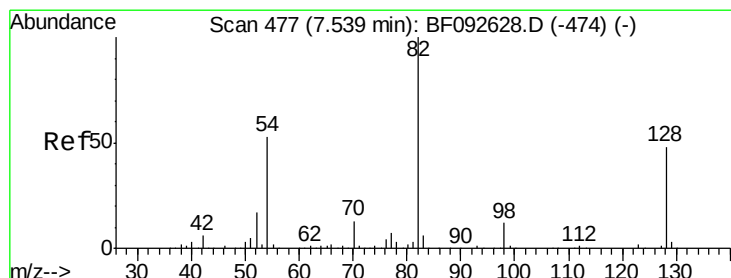
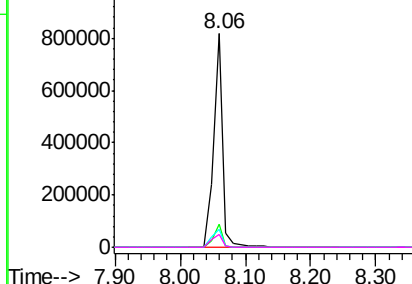
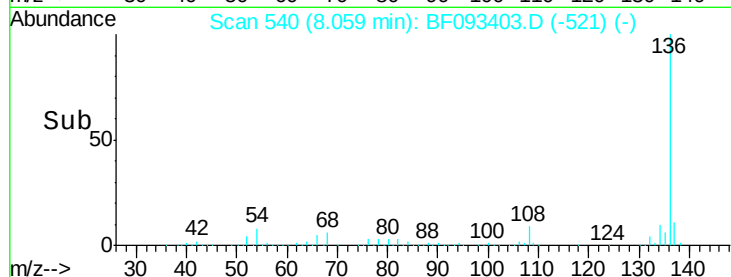
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 540
Delta R.T. -0.09 min
Lab File: BF093403.D
Acq: 6 Mar 2017 16:23

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	136	Resp:	799045
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	8.5	4.5	6.7#
68	6.1	3.6	5.4#

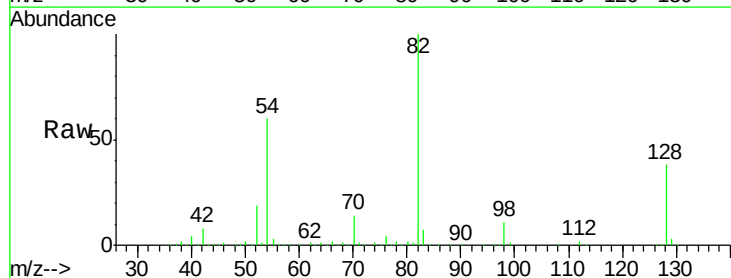


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

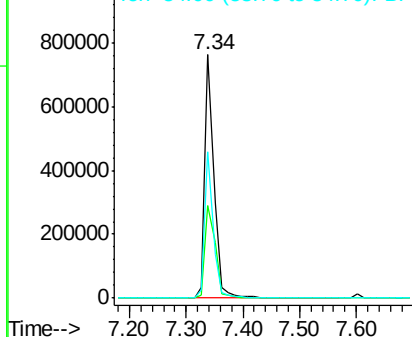
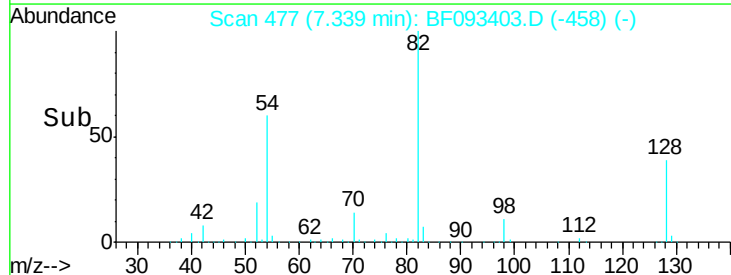


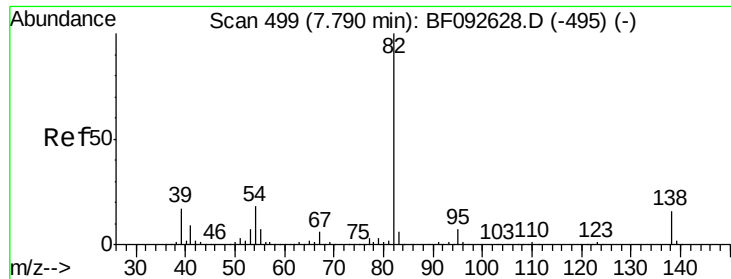
#23
Nitrobenzene-d5
Concen: 56.81 ng
RT: 7.34 min Scan# 477
Delta R.T. -0.09 min
Lab File: BF093403.D
Acq: 6 Mar 2017 16:23

Tgt Ion:	82	Resp:	815202
Ion	Ratio	Lower	Upper
82	100		
128	37.9	34.6	52.0
54	59.9	39.5	59.3#



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

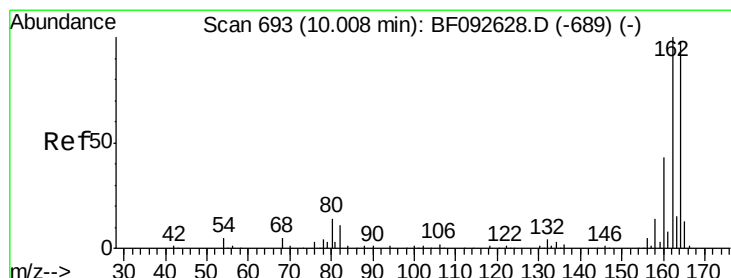
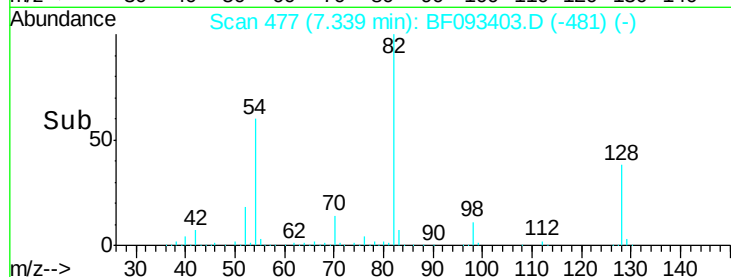
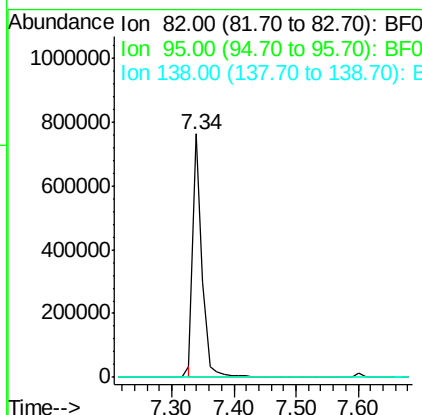
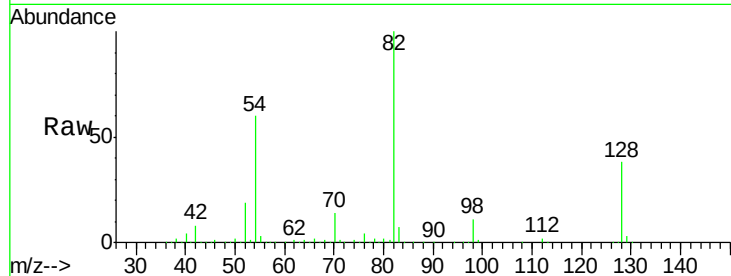




#25
Isophorone
Concen: 29.25 ng
RT: 7.34 min Scan# 477
Delta R.T. -0.35 min
Lab File: BF093403.D
Acq: 6 Mar 2017 16:23

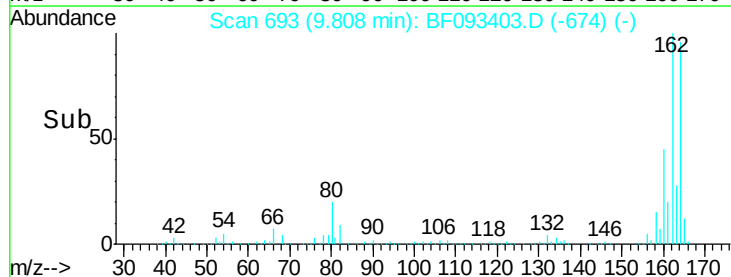
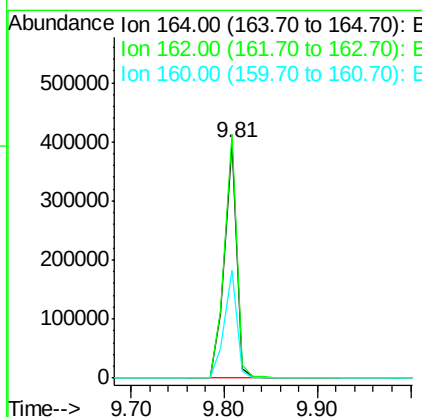
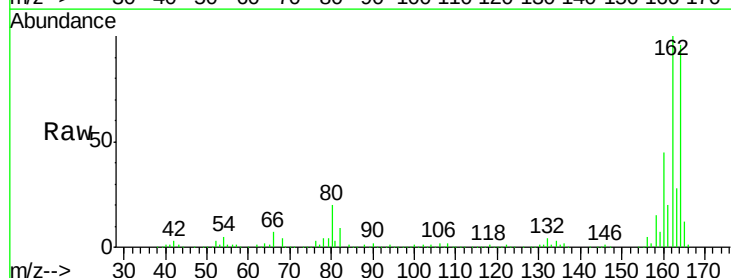
Instrument :
BNA_F
ClientSampleId :
C-8

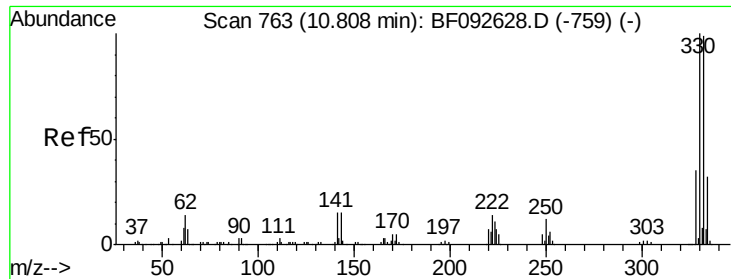
Tgt Ion: 82 Resp: 782133
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 693
Delta R.T. -0.09 min
Lab File: BF093403.D
Acq: 6 Mar 2017 16:23

Tgt Ion: 164 Resp: 363844
Ion Ratio Lower Upper
164 100
162 103.7 80.2 120.2
160 46.2 36.9 55.3

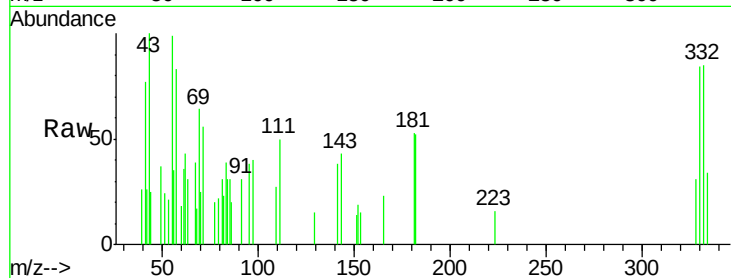




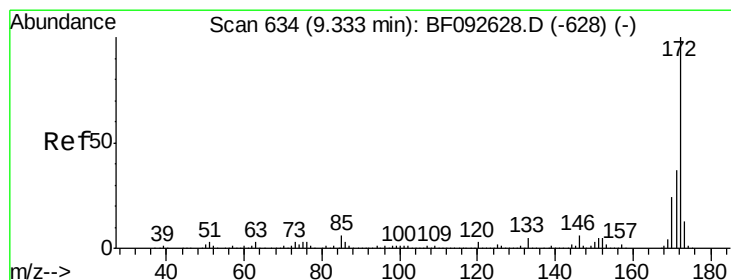
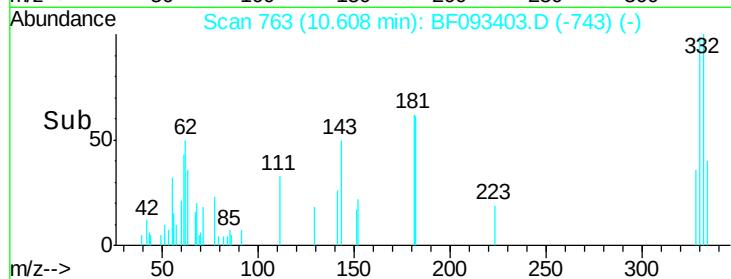
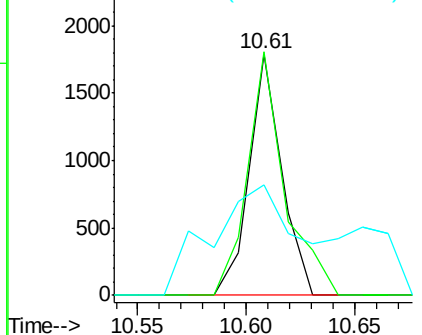
#41
 2,4,6-Tribromophenol
 Concen: 0.71 ng
 RT: 10.61 min Scan# 763
 Delta R.T. -0.07 min
 Lab File: BF093403.D
 Acq: 6 Mar 2017 16:23

Instrument :
 BNA_F
 ClientSampled :
 C-8

Tgt Ion: 330 Resp: 1862
 Ion Ratio Lower Upper
 330 100
 332 114.4 77.4 116.2
 141 117.4 34.1 51.1#

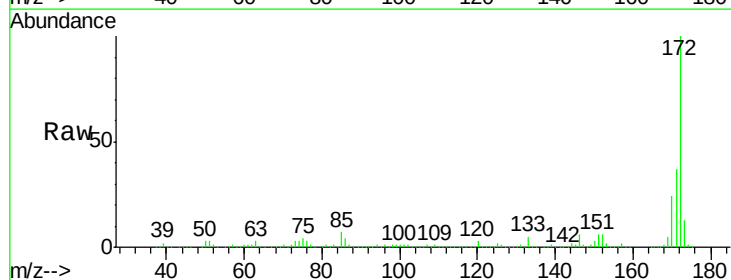


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

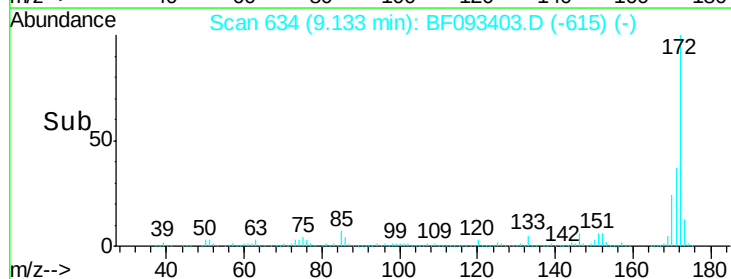
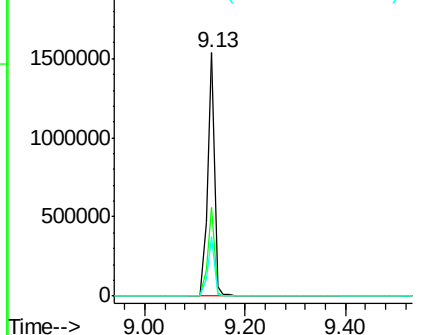


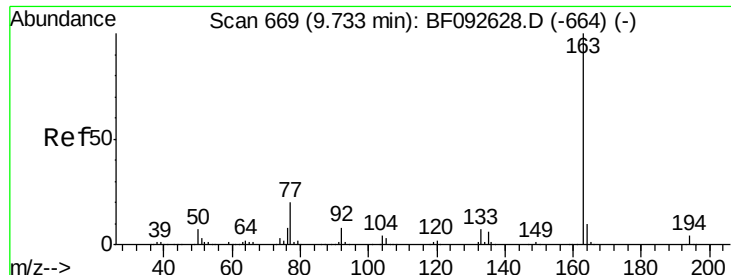
#44
 2-Fluorobiphenyl
 Concen: 72.07 ng
 RT: 9.13 min Scan# 634
 Delta R.T. -0.09 min
 Lab File: BF093403.D
 Acq: 6 Mar 2017 16:23

Tgt Ion: 172 Resp: 1447505
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.0
 170 24.4 20.2 30.4



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

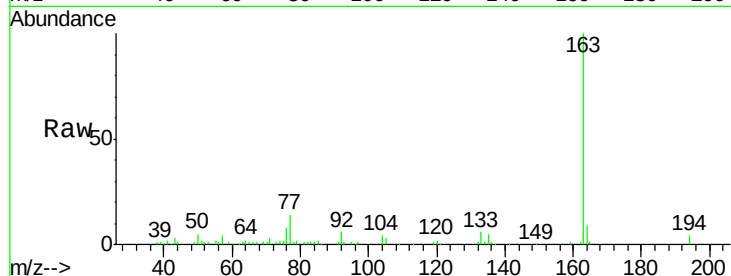




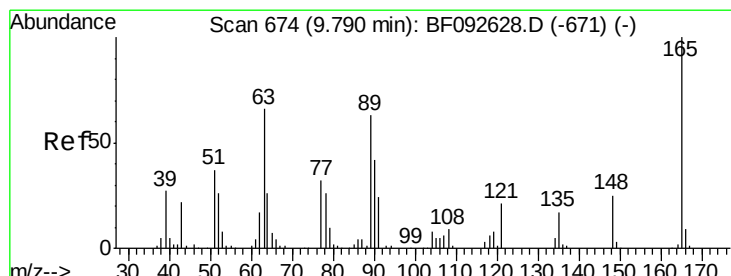
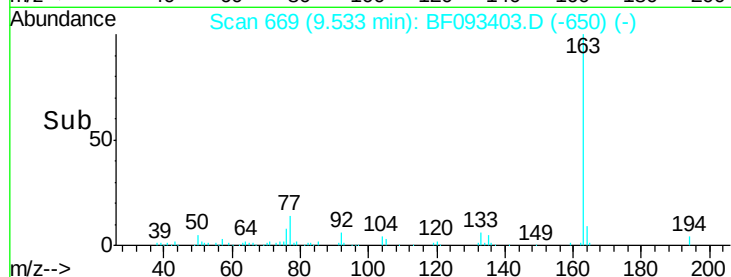
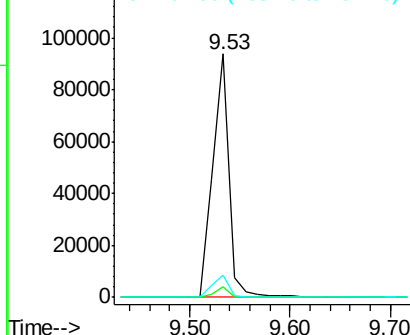
#49
Dimethylphthalate
Concen: 4.25 ng
RT: 9.53 min Scan# 669
Delta R.T. -0.09 min
Lab File: BF093403.D
Acq: 6 Mar 2017 16:23

Instrument :
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ClientSampleId :
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Tgt Ion:163 Resp: 104246
Ion Ratio Lower Upper
163 100
194 4.4 3.0 4.4
164 9.3 8.0 12.0

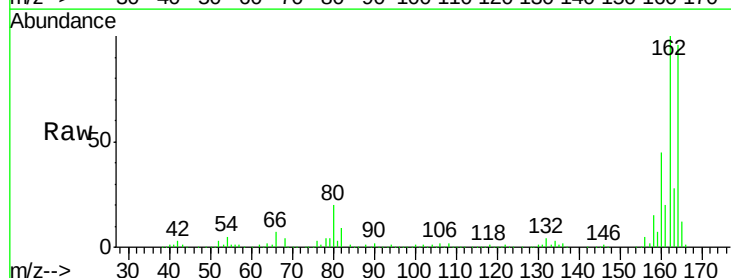


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

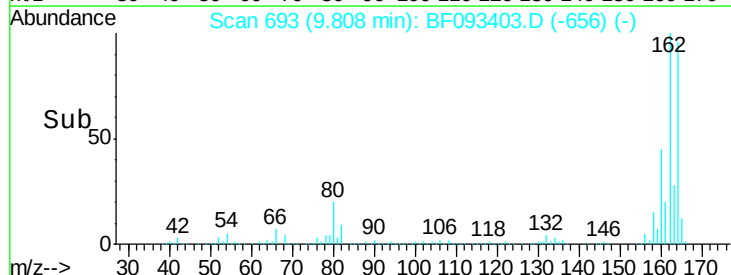
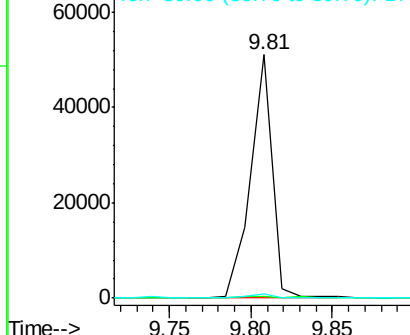


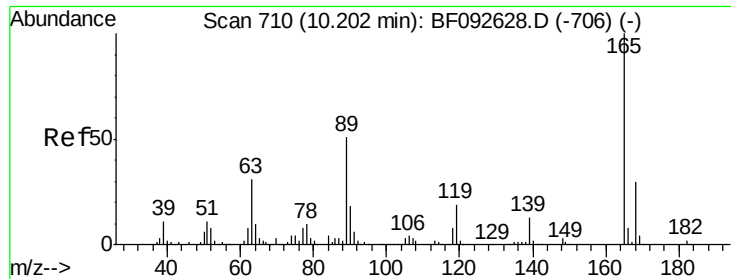
#50
2,6-Dinitrotoluene
Concen: 9.02 ng
RT: 9.81 min Scan# 693
Delta R.T. 0.12 min
Lab File: BF093403.D
Acq: 6 Mar 2017 16:23

Tgt Ion:165 Resp: 47738
Ion Ratio Lower Upper
165 100
63 0.9 36.2 54.4#
89 1.7 40.2 60.4#



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

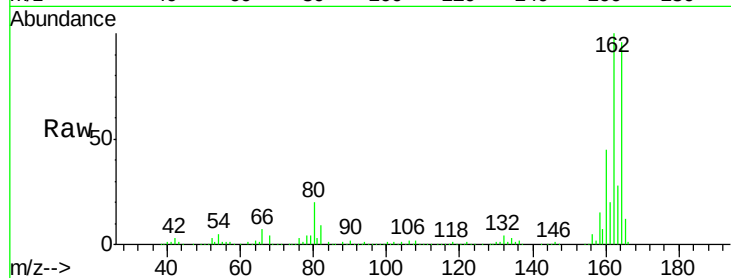




#56
 2,4-Dinitrotoluene
 Concen: 6.78 ng
 RT: 9.81 min Scan# 693
 Delta R.T. -0.28 min
 Lab File: BF093403.D
 Acq: 6 Mar 2017 16:23

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	40.2	60.4#
89	1.7	62.5	93.7#
182	0.0	1.8	2.8#

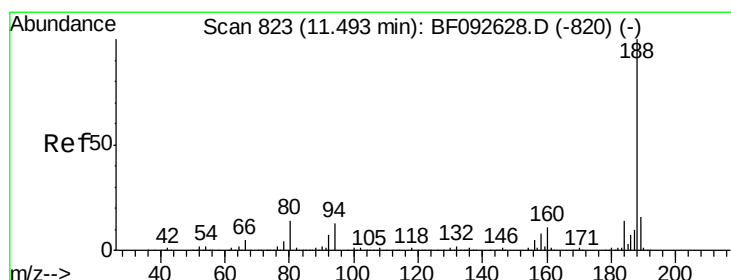
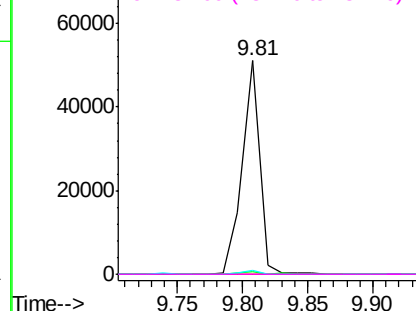
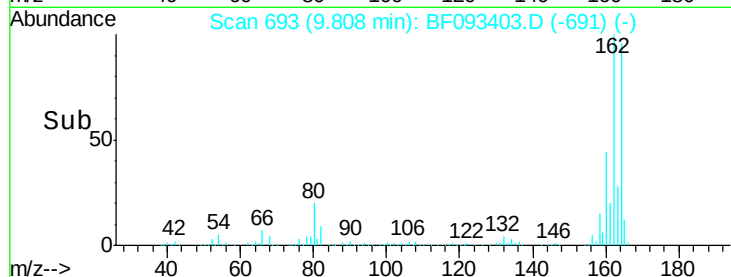


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

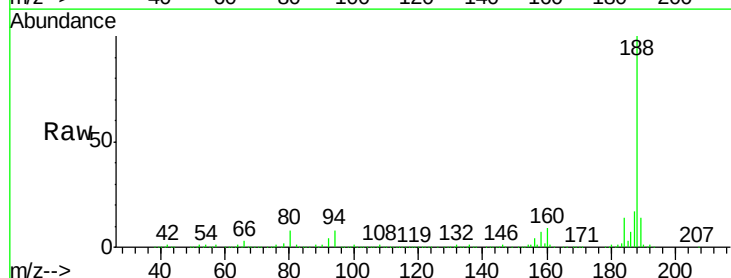
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 823
 Delta R.T. -0.09 min
 Lab File: BF093403.D
 Acq: 6 Mar 2017 16:23

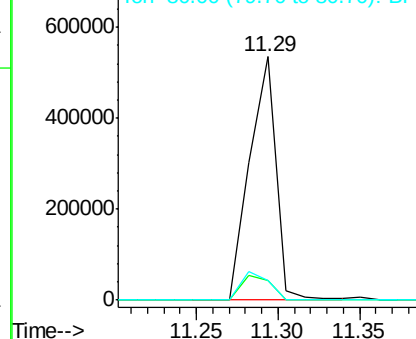
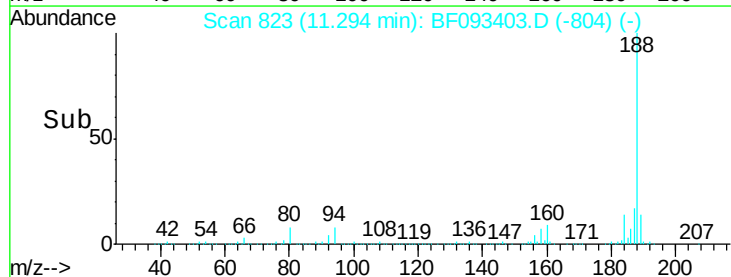
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	10.0	15.0#
80	8.1	11.2	16.8#

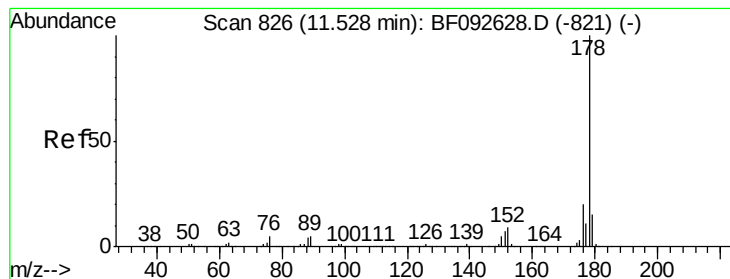


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.05 ng

RT: 11.32 min Scan# 825

Delta R.T. -0.09 min

Lab File: BF093403.D

Acq: 6 Mar 2017 16:23

Instrument :

BNA_F

ClientSampleId :

C-8

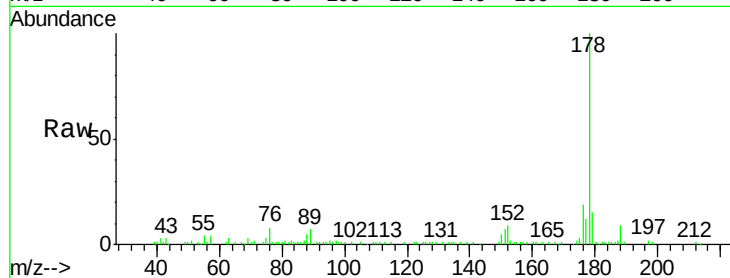
Tgt Ion:178 Resp: 70256

Ion Ratio Lower Upper

178 100

176 19.0 16.6 25.0

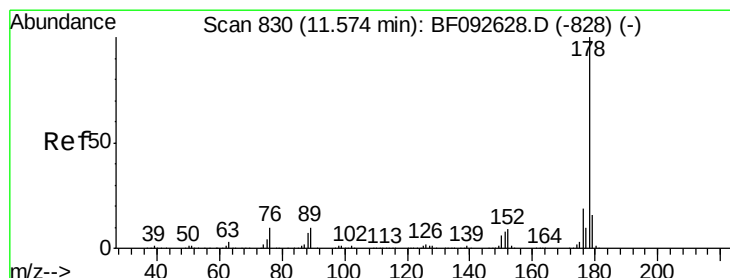
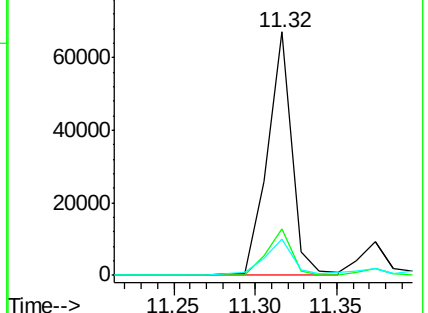
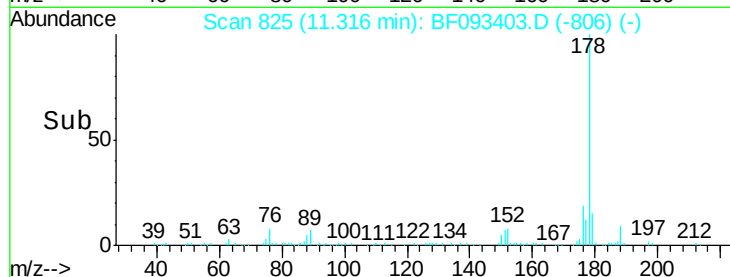
179 15.0 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.05 ng

RT: 11.32 min Scan# 825

Delta R.T. -0.14 min

Lab File: BF093403.D

Acq: 6 Mar 2017 16:23

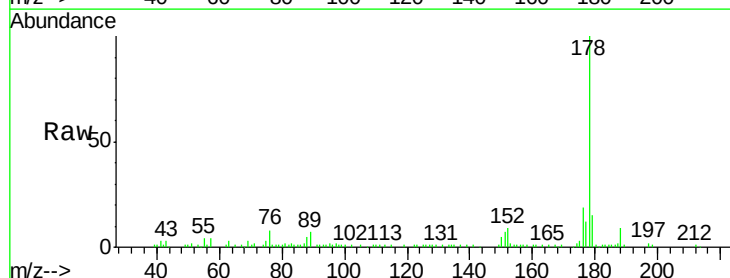
Tgt Ion:178 Resp: 70256

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

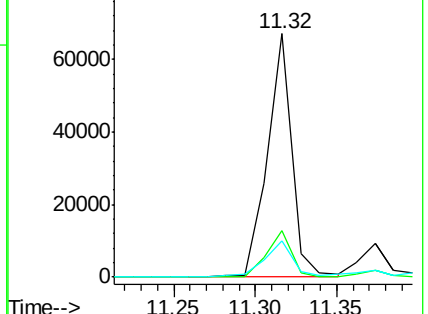
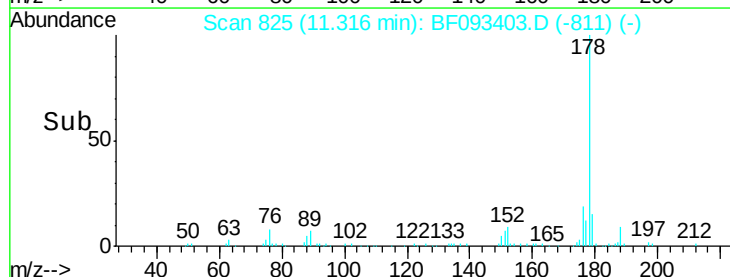
179 15.0 13.2 19.8

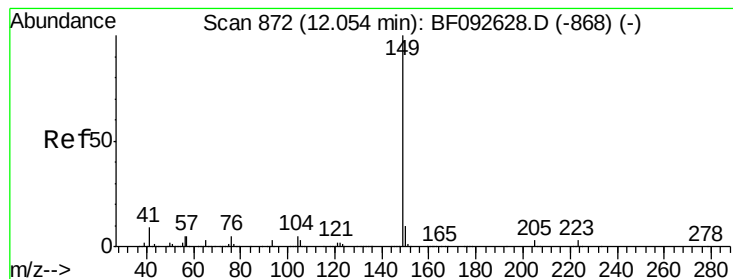


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 2.49 ng

RT: 11.65 min Scan# 854

Delta R.T. -0.29 min

Lab File: BF093403.D

Acq: 6 Mar 2017 16:23

Instrument :

BNA_F

ClientSampleId :

C-8

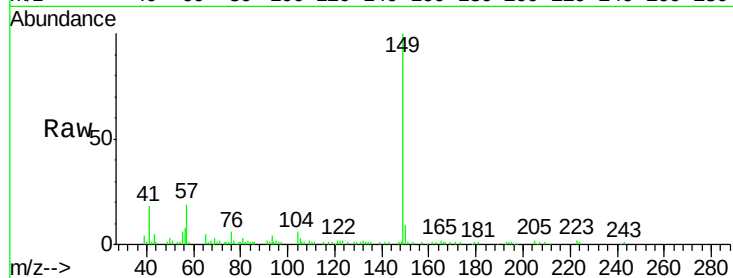
Tgt Ion:149 Resp: 88339

Ion Ratio Lower Upper

149 100

150 9.5 8.1 12.1

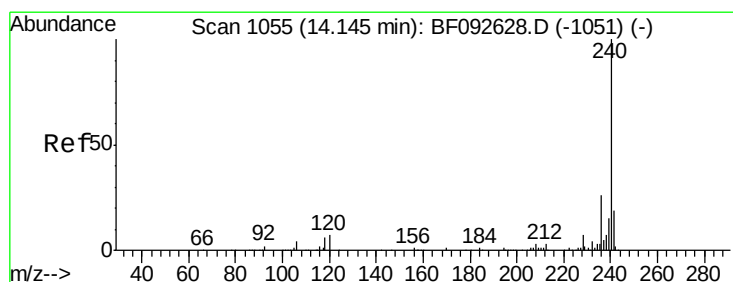
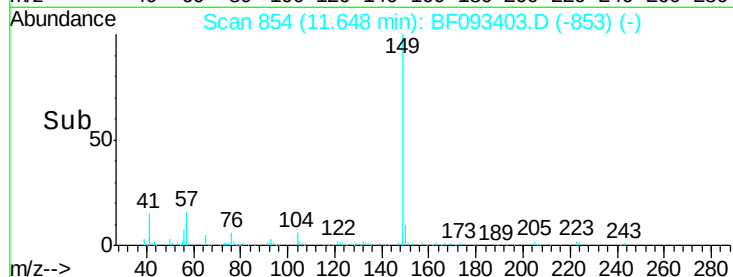
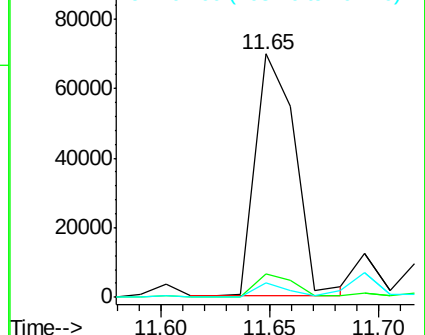
104 5.8 4.6 7.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1054

Delta R.T. -0.09 min

Lab File: BF093403.D

Acq: 6 Mar 2017 16:23

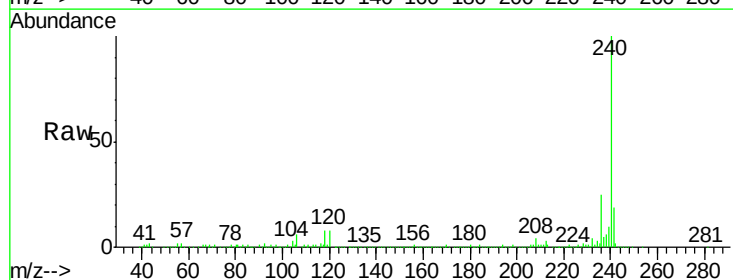
Tgt Ion:240 Resp: 381906

Ion Ratio Lower Upper

240 100

120 8.1 12.9 19.3#

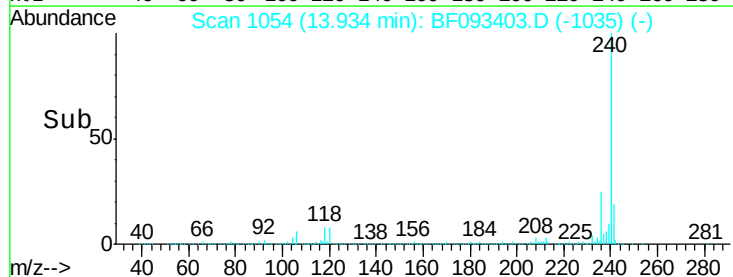
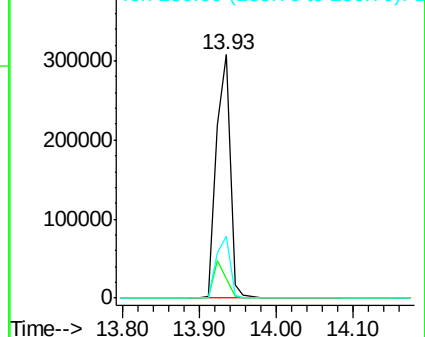
236 25.4 20.9 31.3

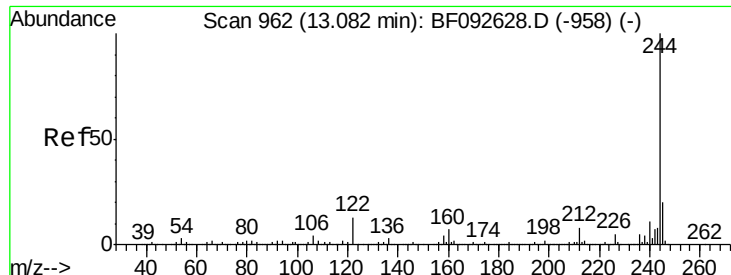


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

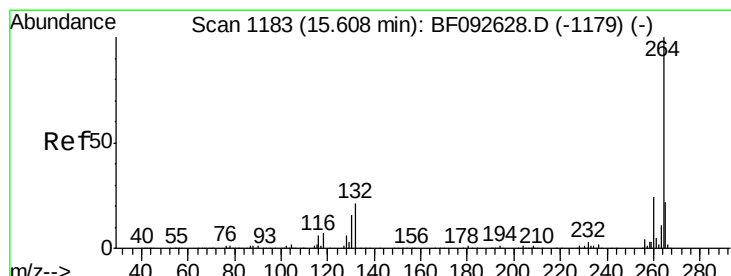
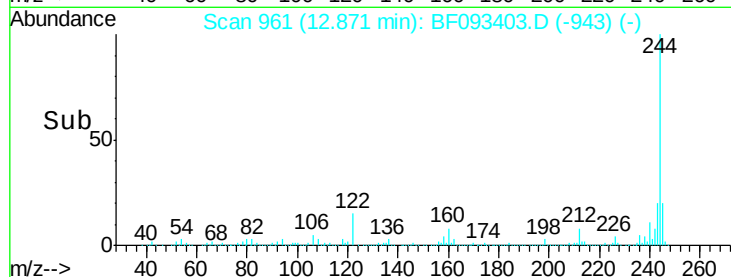
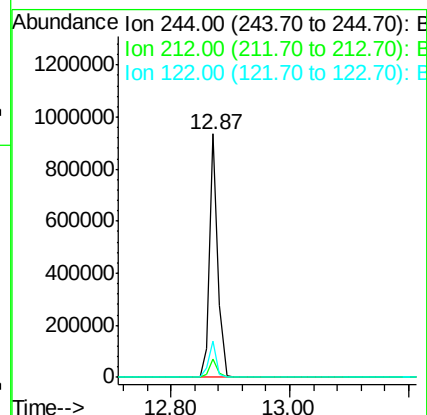
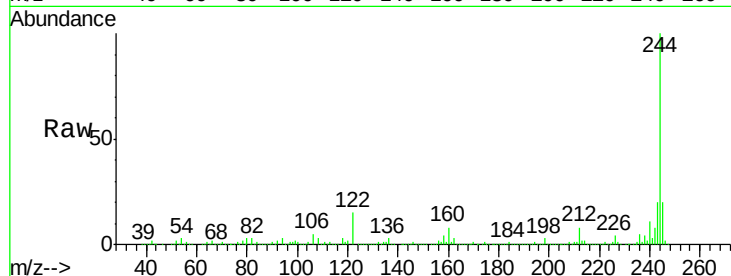




#78
 Terphenyl-d14
 Concen: 56.55 ng
 RT: 12.87 min Scan# 961
 Delta R.T. -0.10 min
 Lab File: BF093403.D
 Acq: 6 Mar 2017 16:23

Instrument :
 BNA_F
 ClientSampleId :
 C-8

Tgt Ion:244 Resp: 919186
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 14.9 11.4 17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.34 min Scan# 1177
 Delta R.T. -0.11 min
 Lab File: BF093403.D
 Acq: 6 Mar 2017 16:23

Tgt Ion:264 Resp: 367308
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.9 17.4 26.0

