

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020617\
 Data File : BF092802.D
 Acq On : 6 Feb 2017 18:15
 Operator : SJ/MA
 Sample : I1698-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-B4-B9-001

Quant Time: Feb 07 01:09:03 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

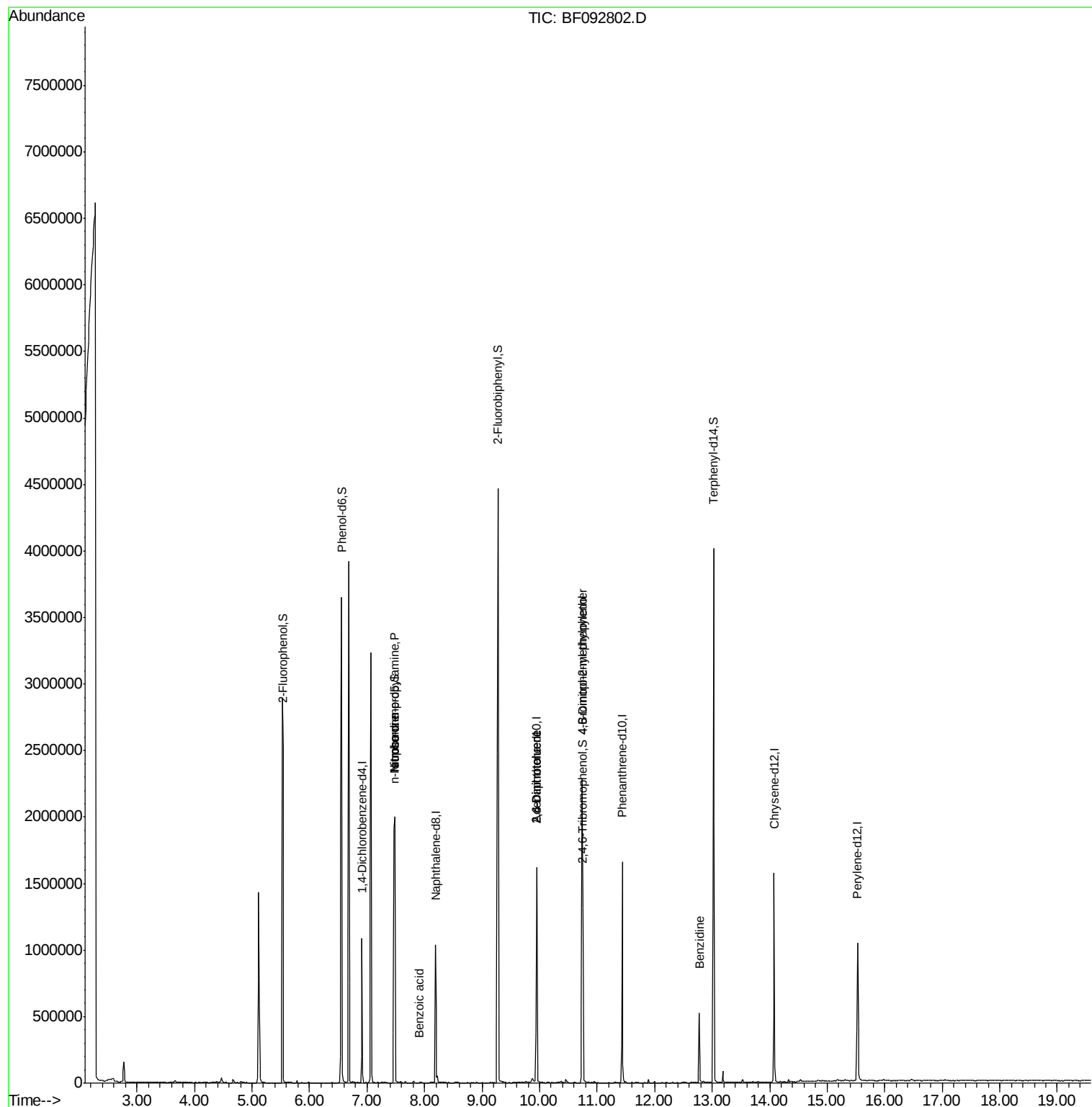
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	155875	20.00	ng	-0.06
21) Naphthalene-d8	8.19	136	571146	20.00	ng	-0.07
38) Acenaphthene-d10	9.95	164	350399	20.00	ng	-0.06
63) Phenanthrene-d10	11.44	188	580597	20.00	ng	-0.06
75) Chrysene-d12	14.08	240	563288	20.00	ng	-0.07
86) Perylene-d12	15.53	264	476406	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1196099	131.65	ng	-0.03
7) Phenol-d6	6.56	99	1436353	122.87	ng	-0.05
23) Nitrobenzene-d5	7.48	82	1012955	98.76	ng	-0.06
41) 2,4,6-Tribromophenol	10.75	330	389025	153.50	ng	-0.06
44) 2-Fluorobiphenyl	9.28	172	1765874	91.30	ng	-0.06
78) Terphenyl-d14	13.03	244	1692915	70.62	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.47	70	129393	17.39	ng	# 85
25) Isophorone	7.48	82	1008483	52.77	ng	# 65
32) Benzoic acid	7.92	122	208	7.20	ng	# 33
50) 2,6-Dinitrotoluene	9.95	165	44600	8.75	ng	# 30
56) 2,4-Dinitrotoluene	9.95	165	44603	6.57	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.74	198	489	2.80	ng	# 1
66) 4-Bromophenyl-phenylether	10.74	248	26710	4.40	ng	# 1
76) Benzidine	12.77	184	228096	9.50	ng	97

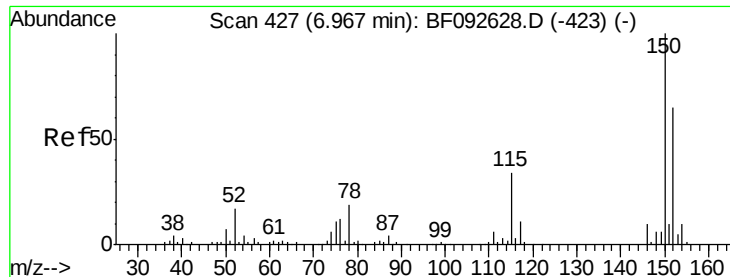
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.06 min

Lab File: BF092802.D

Acq: 6 Feb 2017 18:15

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BNA_F

ClientSampleId :

WC-B4-B9-001

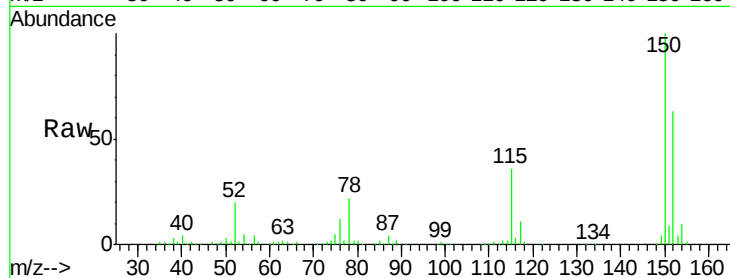
Tgt Ion:152 Resp: 155875

Ion Ratio Lower Upper

152 100

150 158.4 124.9 187.3

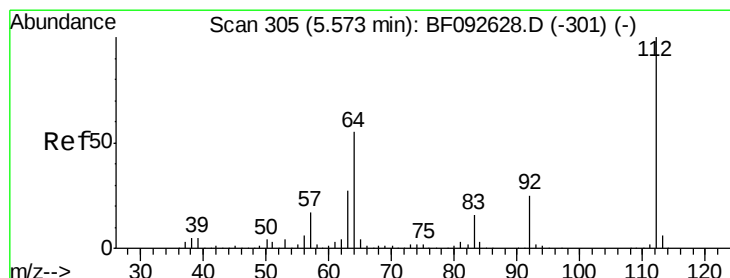
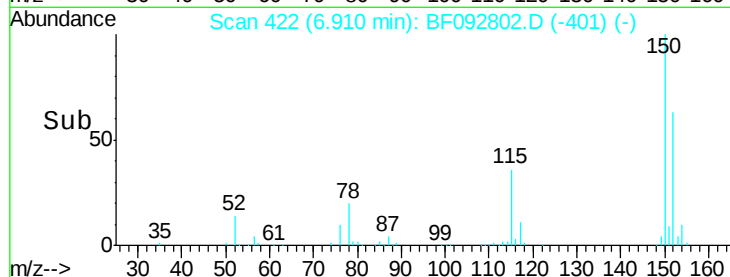
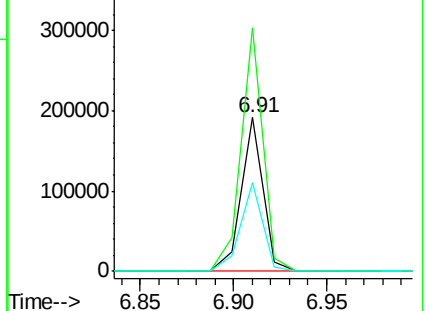
115 57.4 46.0 69.0



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: 131.65 ng

RT: 5.54 min Scan# 302

Delta R.T. -0.03 min

Lab File: BF092802.D

Acq: 6 Feb 2017 18:15

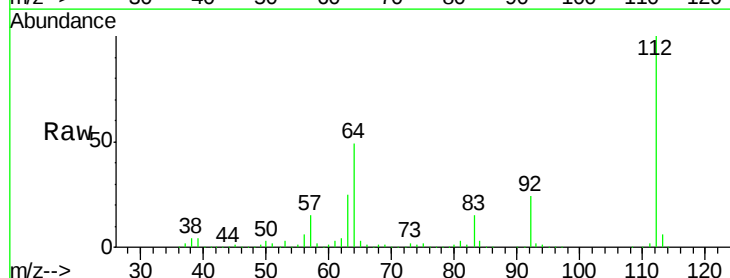
Tgt Ion:112 Resp: 1196099

Ion Ratio Lower Upper

112 100

64 49.5 46.1 69.1

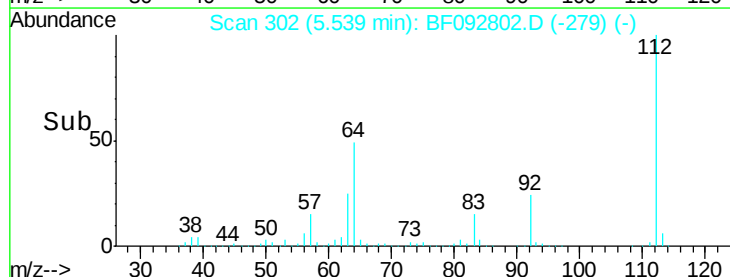
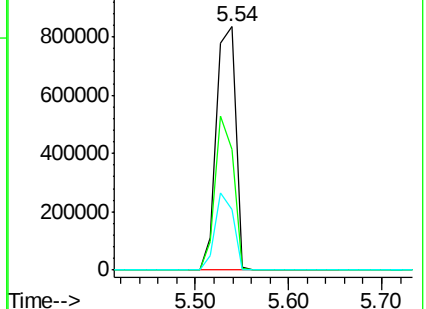
63 24.6 23.8 35.6

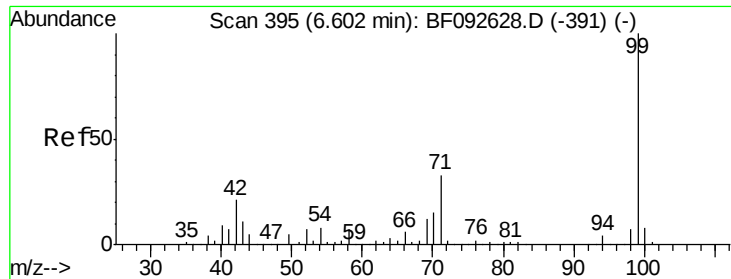


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

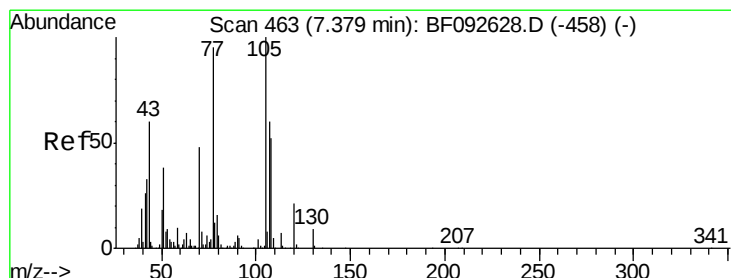
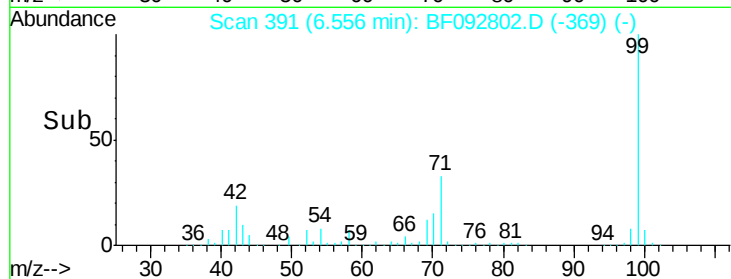
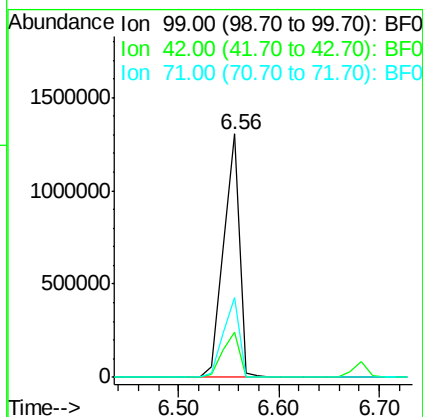
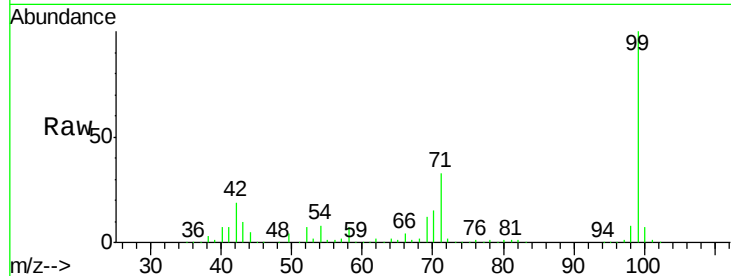




#7
 Phenol-d6
 Concen: 122.87 ng
 RT: 6.56 min Scan# 391
 Delta R.T. -0.05 min
 Lab File: BF092802.D
 Acq: 6 Feb 2017 18:15

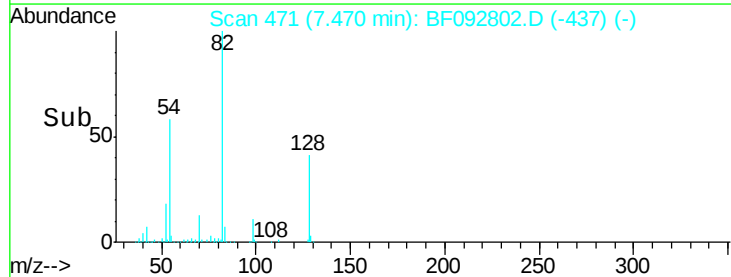
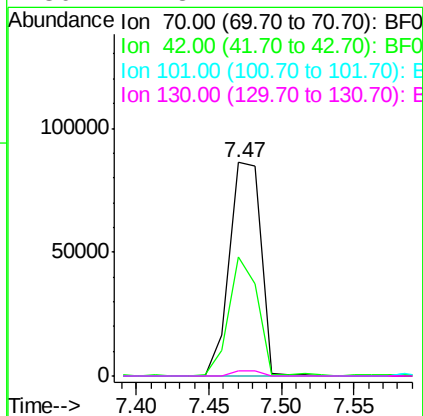
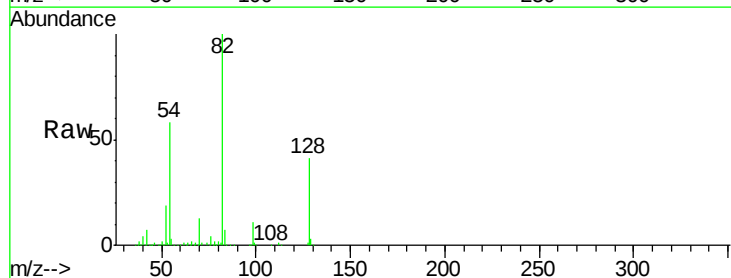
Instrument :
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 WC-B4-B9-001

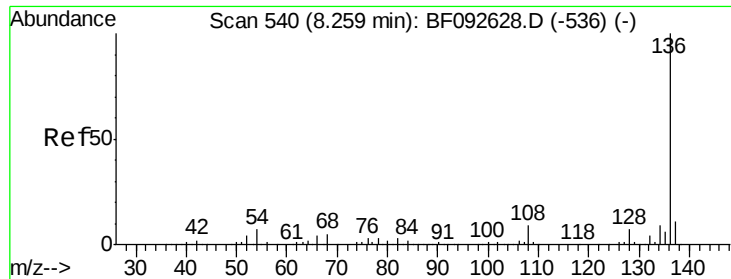
Tgt Ion: 99 Resp: 1436353
 Ion Ratio Lower Upper
 99 100
 42 18.7 15.6 23.4
 71 32.8 27.5 41.3



#19
 n-Nitroso-di-n-propylamine
 Concen: 17.39 ng
 RT: 7.47 min Scan# 471
 Delta R.T. 0.09 min
 Lab File: BF092802.D
 Acq: 6 Feb 2017 18:15

Tgt Ion: 70 Resp: 129393
 Ion Ratio Lower Upper
 70 100
 42 55.5 49.4 74.0
 101 0.0 7.4 11.2#
 130 2.3 14.2 21.4#

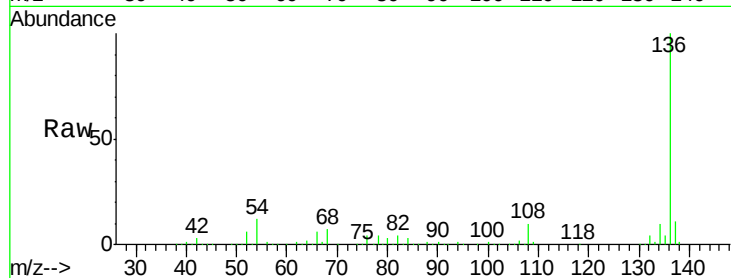




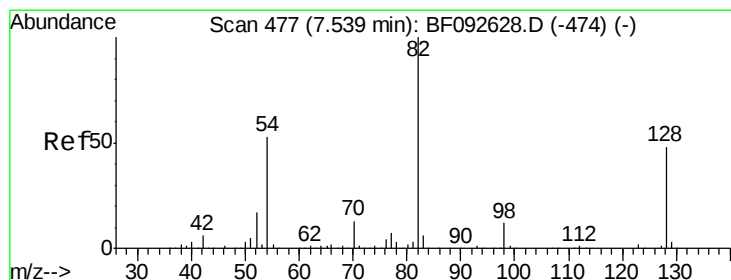
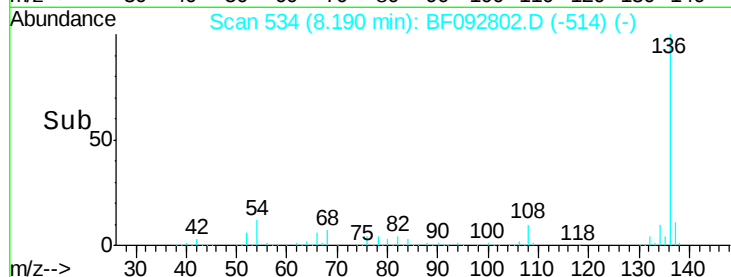
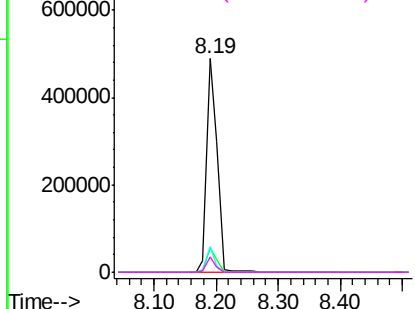
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.07 min
Lab File: BF092802.D
Acq: 6 Feb 2017 18:15

Instrument :
BNA_F
ClientSampleId :
WC-B4-B9-001

Tgt Ion:	136	Resp:	571146
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	12.0	4.5	6.7#
68	7.4	3.6	5.4#

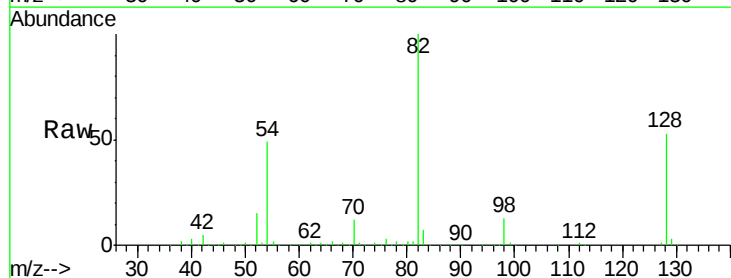


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

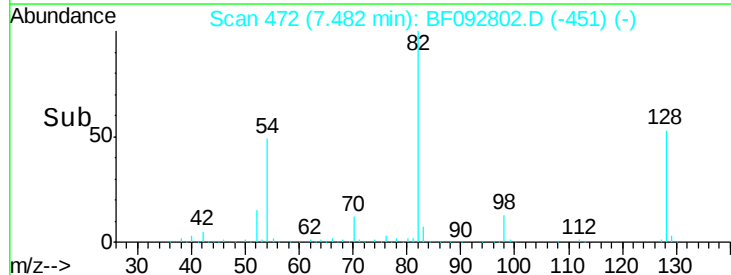
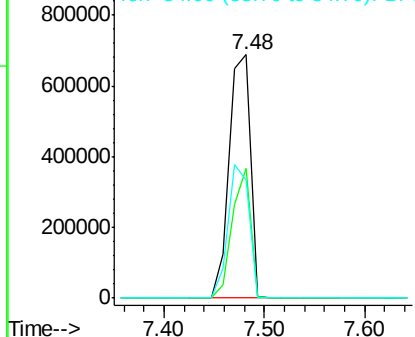


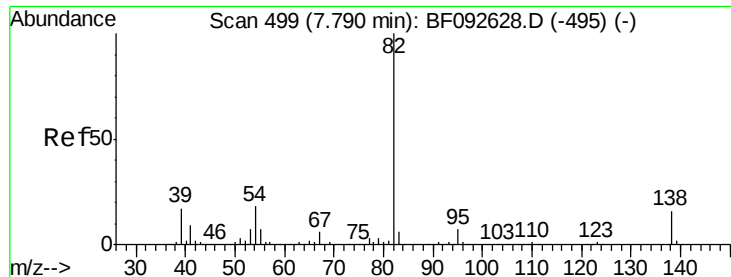
#23
Nitrobenzene-d5
Concen: 98.76 ng
RT: 7.48 min Scan# 472
Delta R.T. -0.06 min
Lab File: BF092802.D
Acq: 6 Feb 2017 18:15

Tgt Ion:	82	Resp:	1012955
Ion	Ratio	Lower	Upper
82	100		
128	53.1	34.6	52.0#
54	48.5	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: 52.77 ng

RT: 7.48 min Scan# 472

Delta R.T. -0.31 min

Lab File: BF092802.D

Acq: 6 Feb 2017 18:15

Instrument :

BNA_F

ClientSampleId :

WC-B4-B9-001

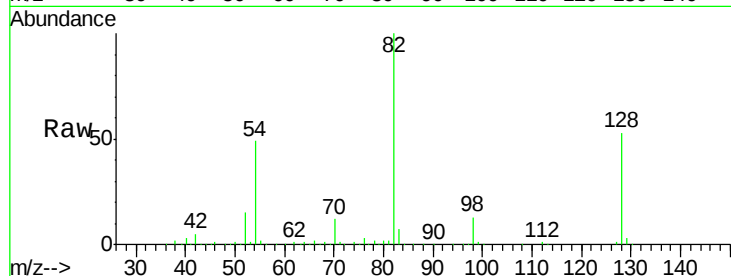
Tgt Ion: 82 Resp: 1008483

Ion Ratio Lower Upper

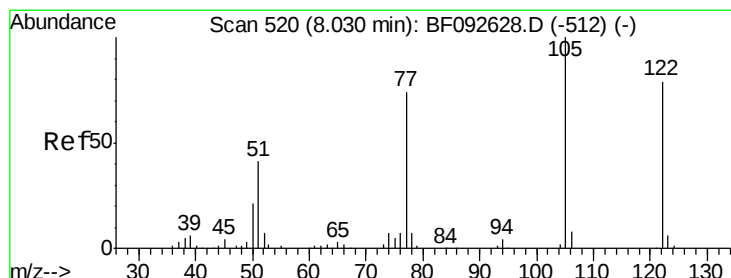
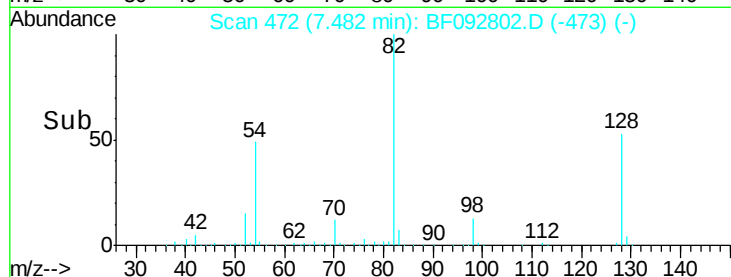
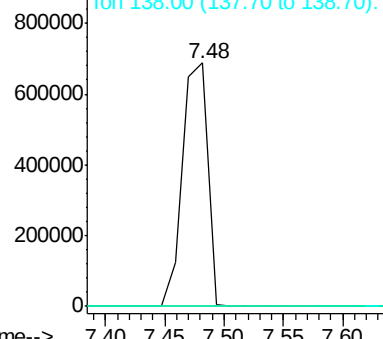
82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



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: 7.20 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.11 min

Lab File: BF092802.D

Acq: 6 Feb 2017 18:15

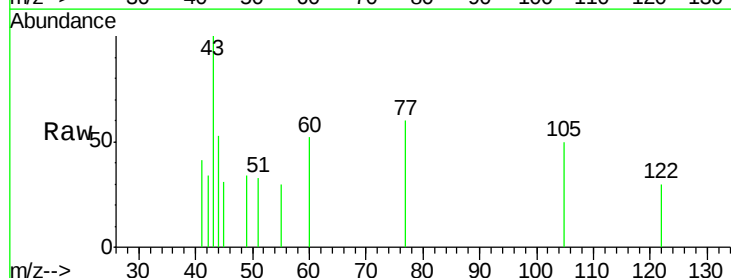
Tgt Ion: 122 Resp: 208

Ion Ratio Lower Upper

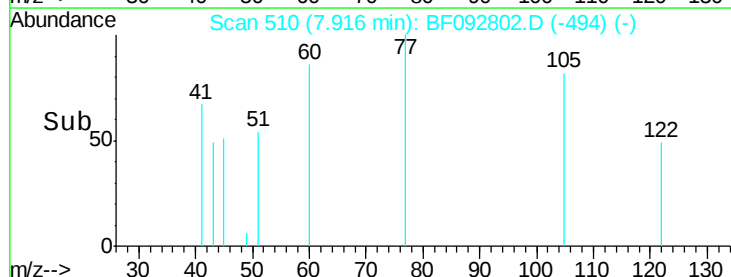
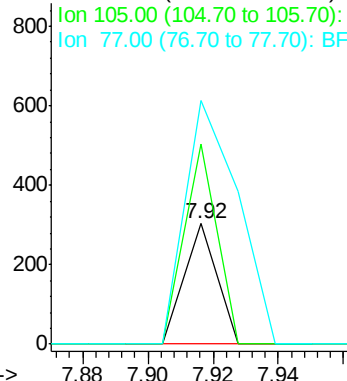
122 100

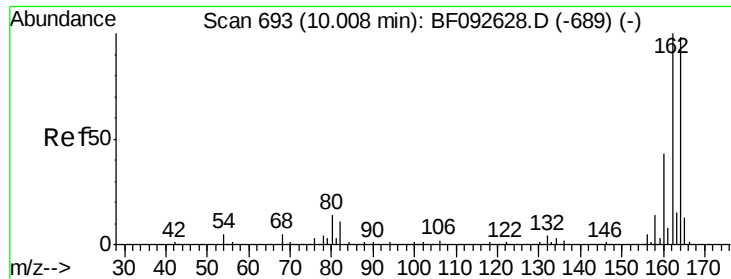
105 166.0 107.2 147.2#

77 202.3 74.5 114.5#



Abundance Ion 122.00 (121.70 to 122.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.06 min

Lab File: BF092802.D

Acq: 6 Feb 2017 18:15

Instrument :

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ClientSampleId :

WC-B4-B9-001

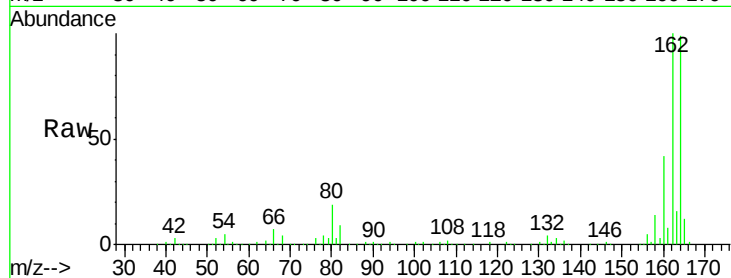
Tgt Ion:164 Resp: 350399

Ion Ratio Lower Upper

164 100

162 101.4 80.2 120.2

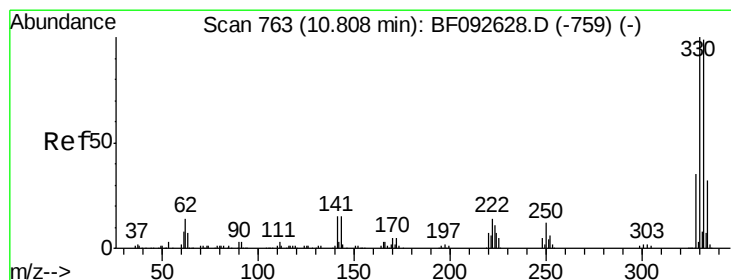
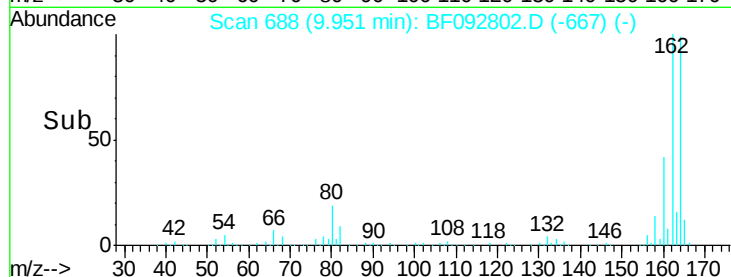
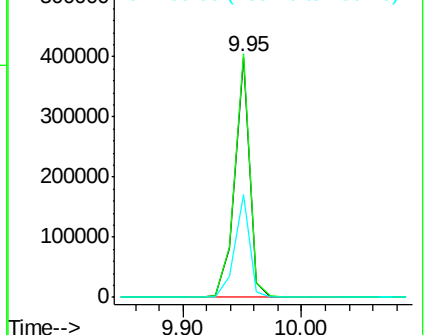
160 43.0 36.9 55.3



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: 153.50 ng

RT: 10.75 min Scan# 758

Delta R.T. -0.06 min

Lab File: BF092802.D

Acq: 6 Feb 2017 18:15

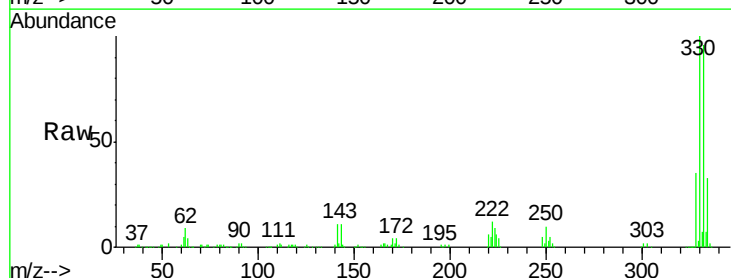
Tgt Ion:330 Resp: 389025

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.2

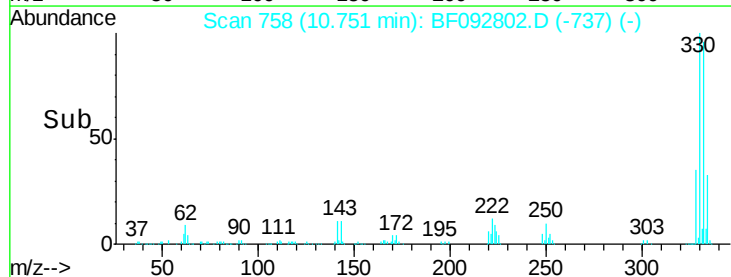
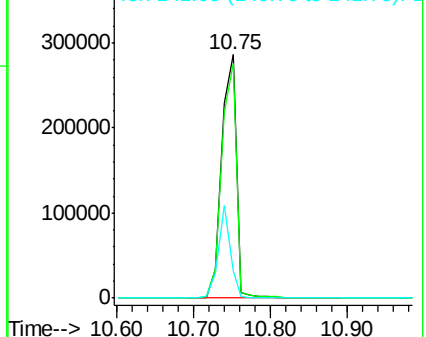
141 31.1 34.1 51.1#

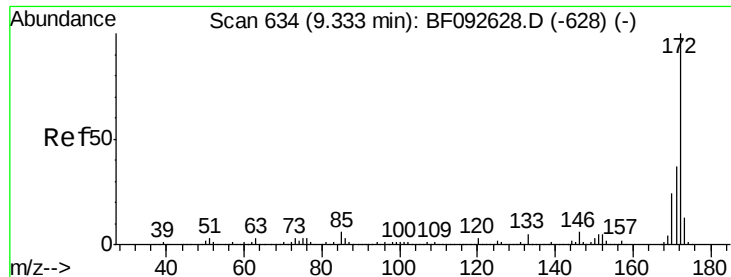


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

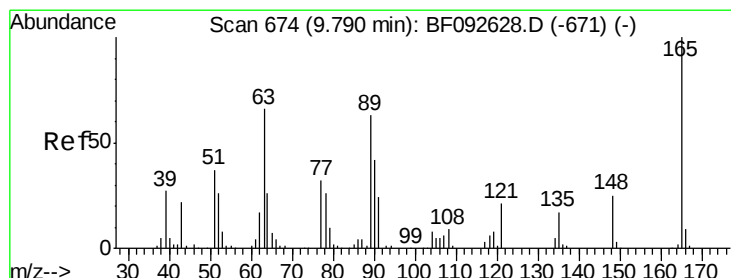
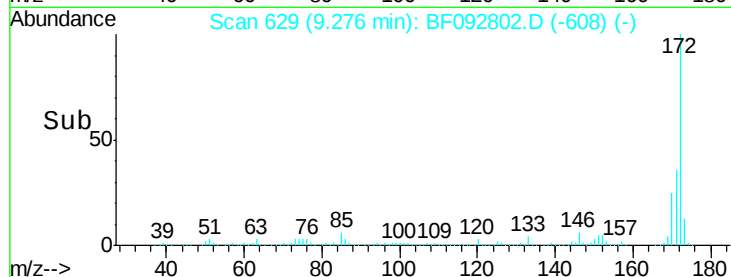
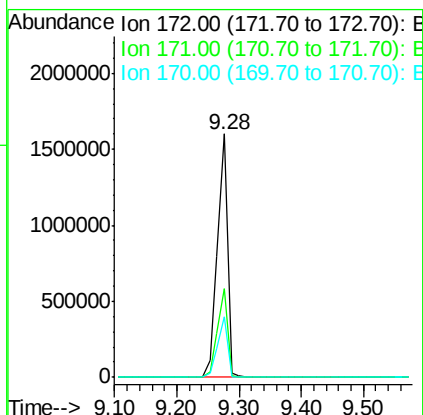
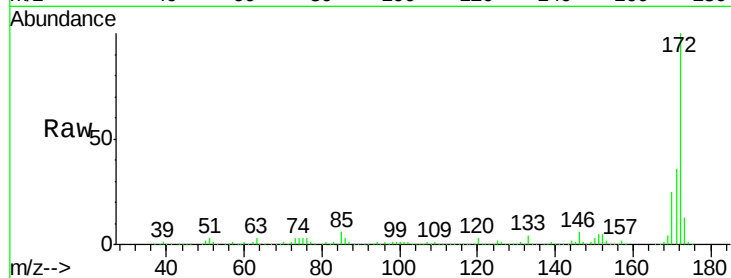




#44
 2-Fluorobiphenyl
 Concen: 91.30 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.06 min
 Lab File: BF092802.D
 Acq: 6 Feb 2017 18:15

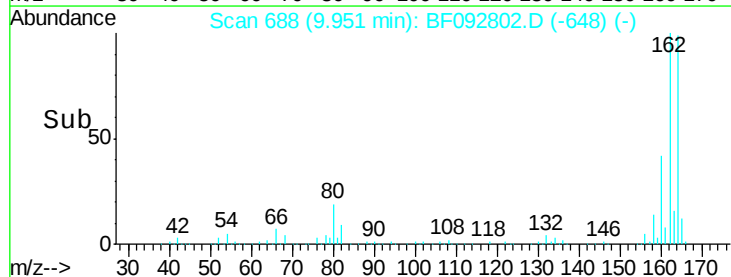
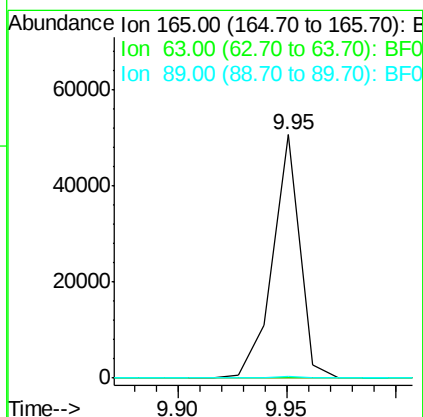
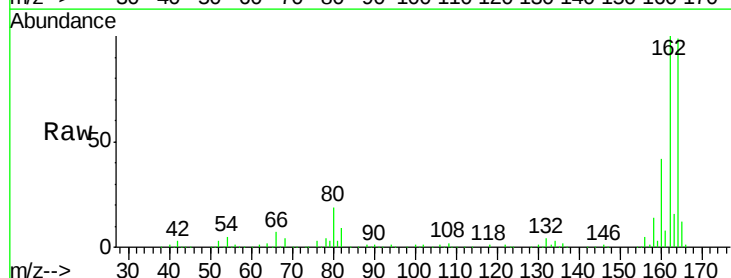
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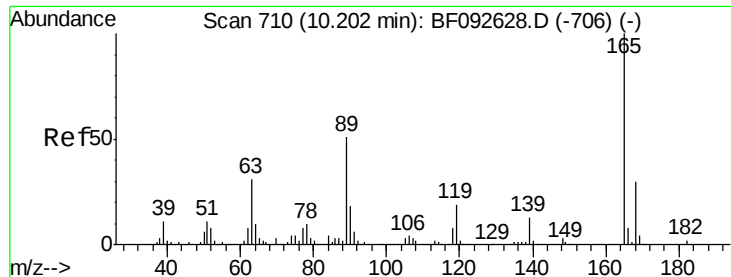
Tgt Ion:172 Resp: 1765874
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.7 20.2 30.4



#50
 2,6-Dinitrotoluene
 Concen: 8.75 ng
 RT: 9.95 min Scan# 688
 Delta R.T. 0.16 min
 Lab File: BF092802.D
 Acq: 6 Feb 2017 18:15

Tgt Ion:165 Resp: 44600
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.2 54.4#
 89 0.8 40.2 60.4#

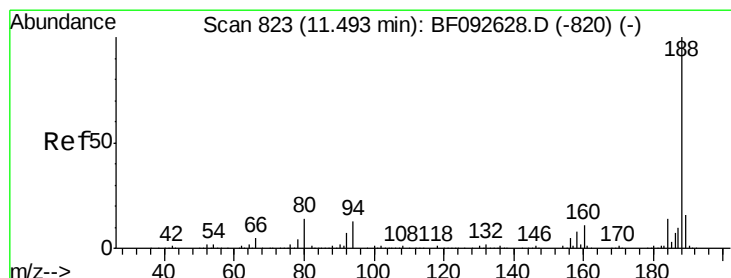
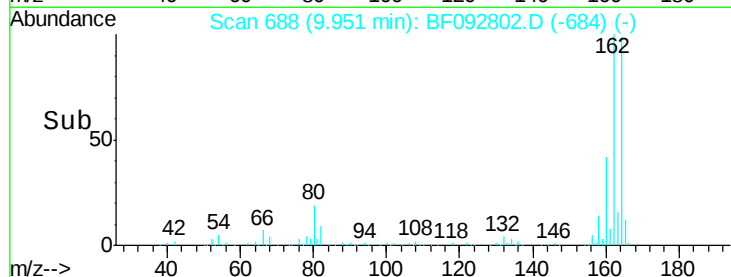
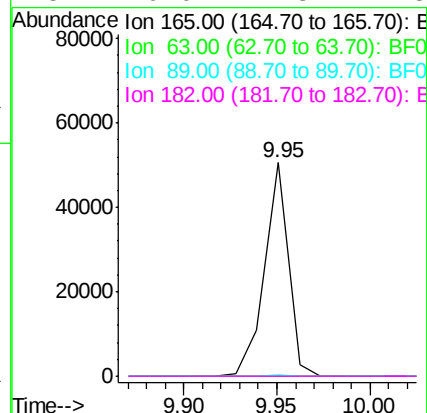
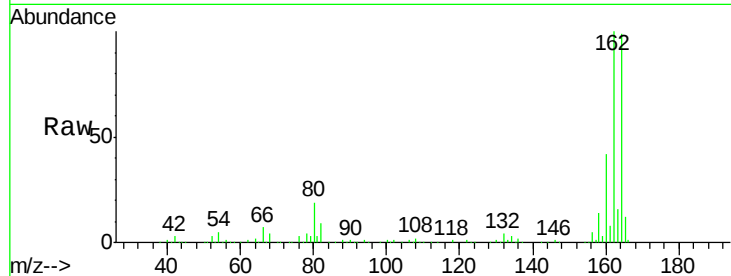




#56
 2,4-Dinitrotoluene
 Concen: 6.57 ng
 RT: 9.95 min Scan# 688
 Delta R.T. -0.25 min
 Lab File: BF092802.D
 Acq: 6 Feb 2017 18:15

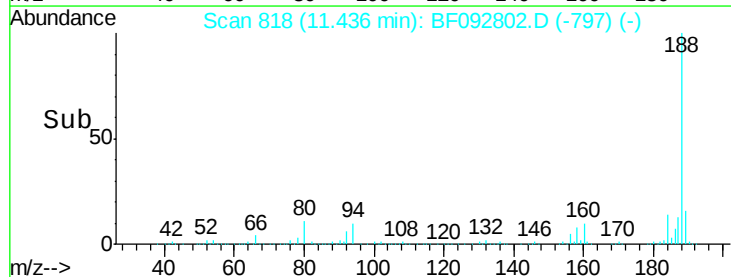
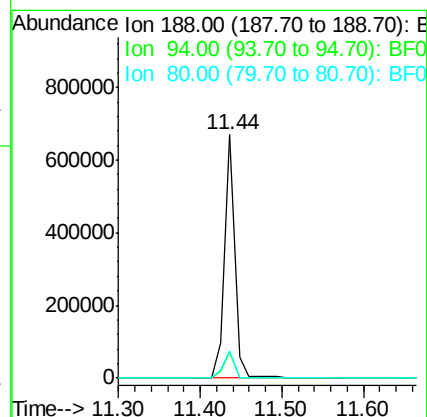
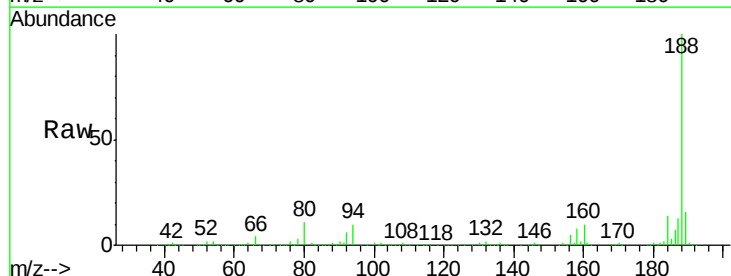
Instrument :
 BNA_F
 ClientSampleId :
 WC-B4-B9-001

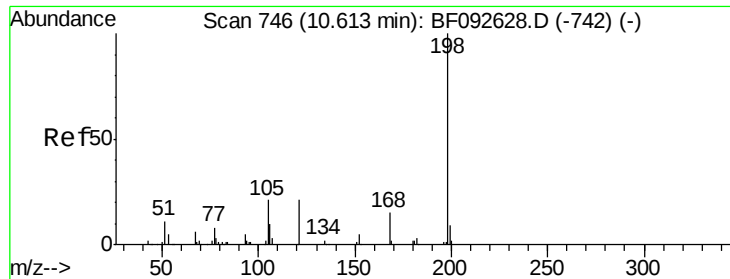
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.2	60.4#
89	0.8	62.5	93.7#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 818
 Delta R.T. -0.06 min
 Lab File: BF092802.D
 Acq: 6 Feb 2017 18:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	10.0	15.0
80	11.0	11.2	16.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 2.80 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.13 min

Lab File: BF092802.D

Acq: 6 Feb 2017 18:15

Instrument :

BNA_F

ClientSampleId :

WC-B4-B9-001

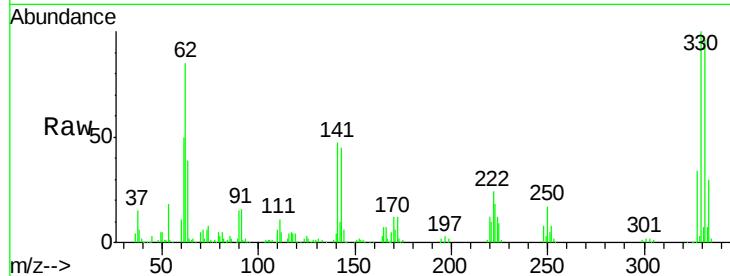
Tgt Ion:198 Resp: 489

Ion Ratio Lower Upper

198 100

51 248.1 6.7 46.7#

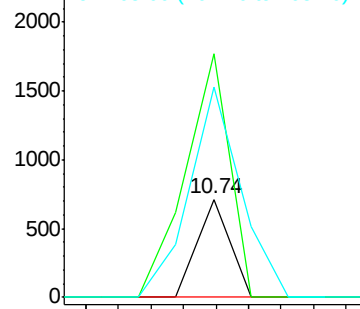
105 214.7 16.6 56.6#



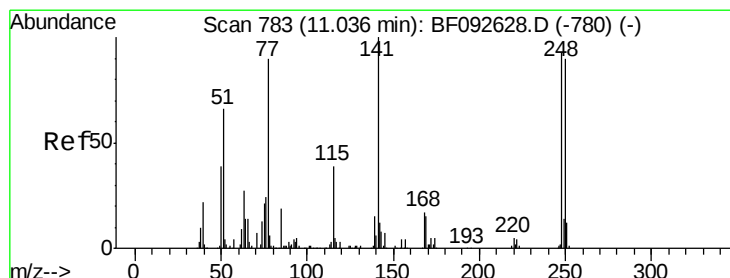
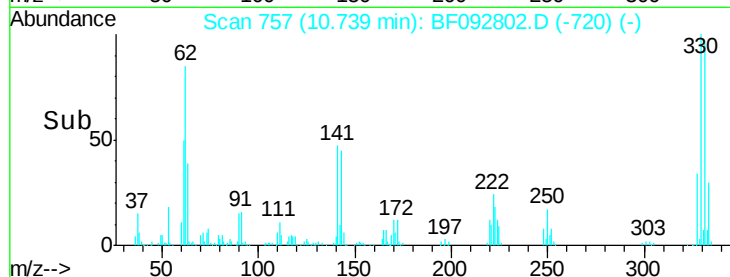
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



Time--> 10.70 10.75



#66

4-Bromophenyl-phenylether

Concen: 4.40 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.30 min

Lab File: BF092802.D

Acq: 6 Feb 2017 18:15

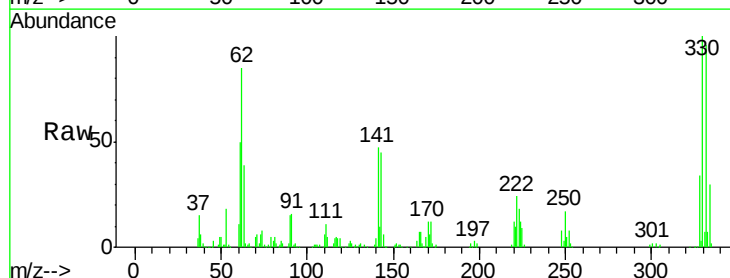
Tgt Ion:248 Resp: 26710

Ion Ratio Lower Upper

248 100

250 204.3 76.9 115.3#

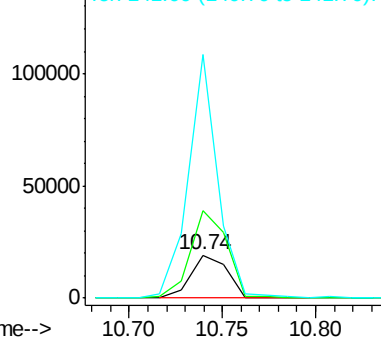
141 570.4 68.2 102.4#



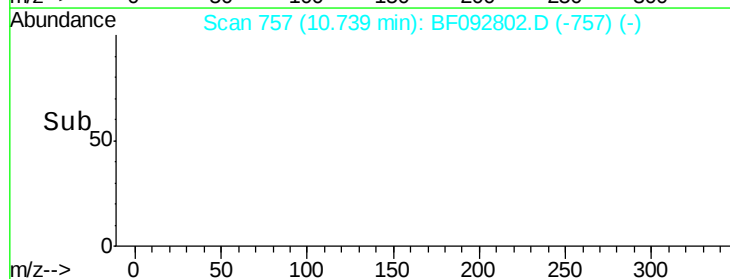
Abundance Ion 248.00 (247.70 to 248.70): E

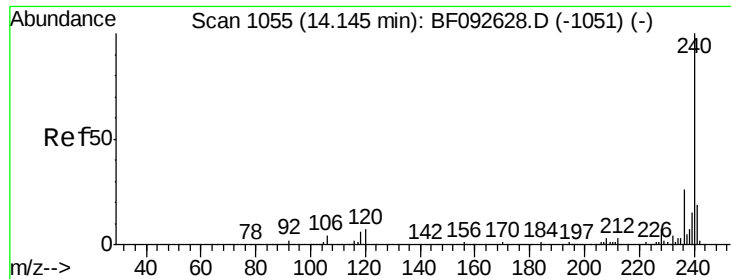
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 10.70 10.75 10.80

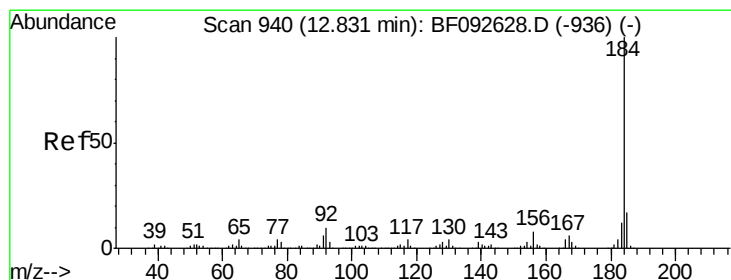
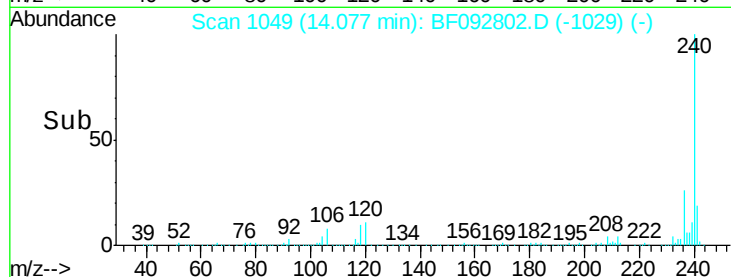
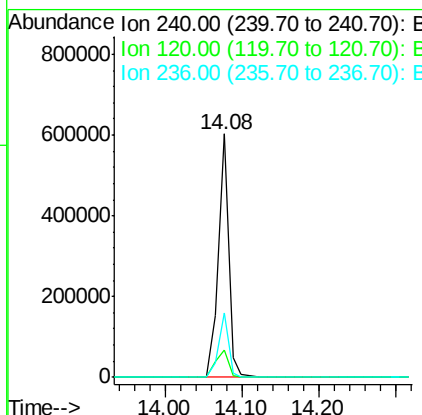
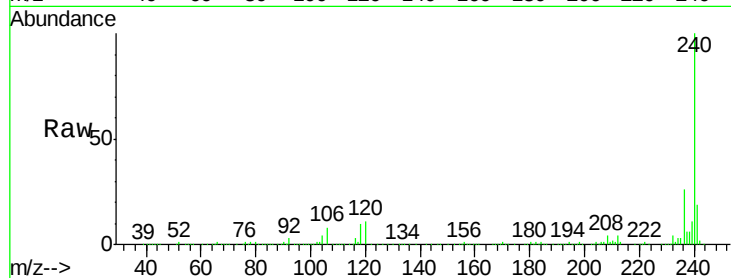




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.08 min Scan# 1049
 Delta R.T. -0.07 min
 Lab File: BF092802.D
 Acq: 6 Feb 2017 18:15

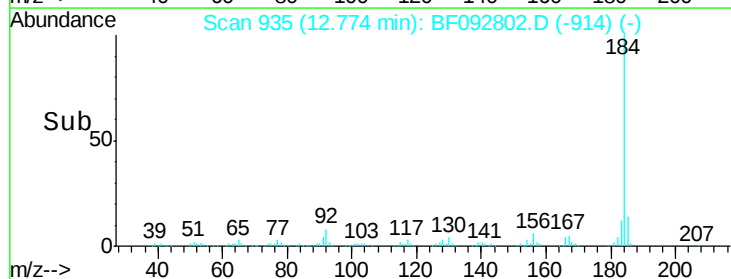
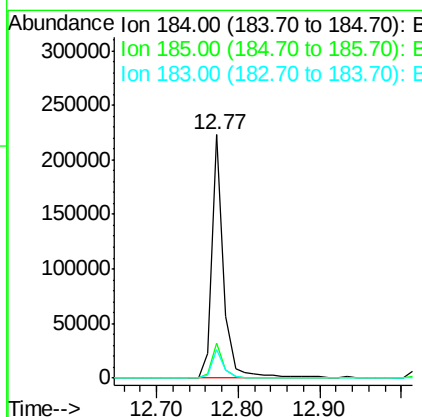
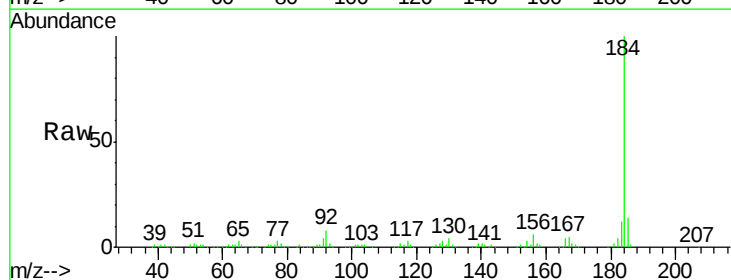
Instrument :
 BNA_F
 ClientSampleId :
 WC-B4-B9-001

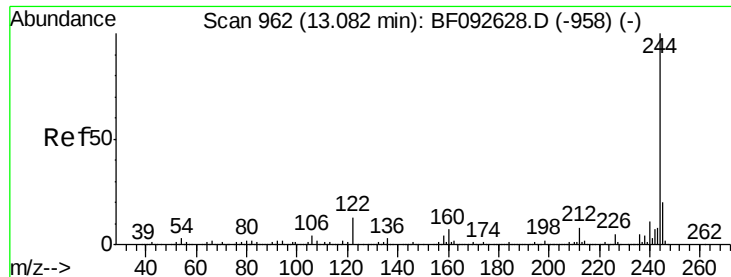
Tgt Ion:240 Resp: 563288
 Ion Ratio Lower Upper
 240 100
 120 11.0 12.9 19.3#
 236 26.3 20.9 31.3



#76
 Benzidine
 Concen: 9.50 ng
 RT: 12.77 min Scan# 935
 Delta R.T. -0.06 min
 Lab File: BF092802.D
 Acq: 6 Feb 2017 18:15

Tgt Ion:184 Resp: 228096
 Ion Ratio Lower Upper
 184 100
 185 14.4 13.4 20.0
 183 11.6 9.2 13.8

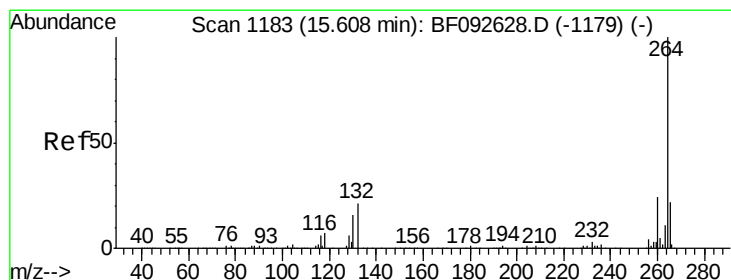
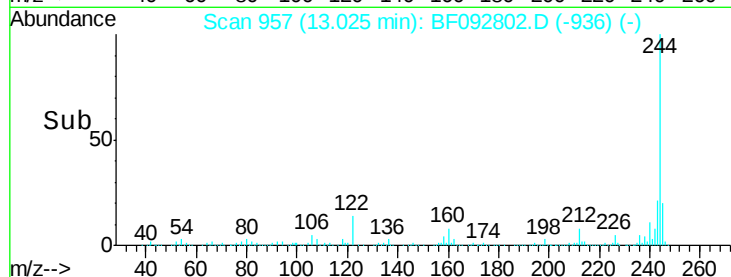
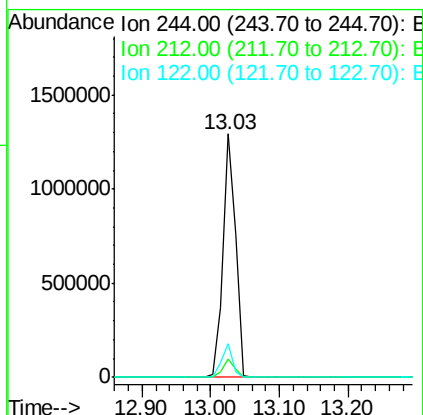
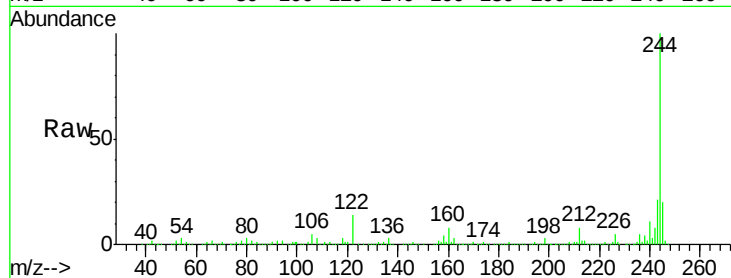




#78
 Terphenyl-d14
 Concen: 70.62 ng
 RT: 13.03 min Scan# 957
 Delta R.T. -0.06 min
 Lab File: BF092802.D
 Acq: 6 Feb 2017 18:15

Instrument :
 BNA_F
 ClientSampleId :
 WC-B4-B9-001

Tgt Ion:244 Resp: 1692915
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 13.8 11.4 17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.53 min Scan# 1176
 Delta R.T. -0.08 min
 Lab File: BF092802.D
 Acq: 6 Feb 2017 18:15

Tgt Ion:264 Resp: 476406
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.6 17.4 26.0

