

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021317\
 Data File : BF092931.D
 Acq On : 13 Feb 2017 21:13
 Operator : SJ/MA
 Sample : I1790-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 38-FB021017

Quant Time: Feb 14 00:41:04 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 13 18:04:38 2017
 Response via : Initial Calibration

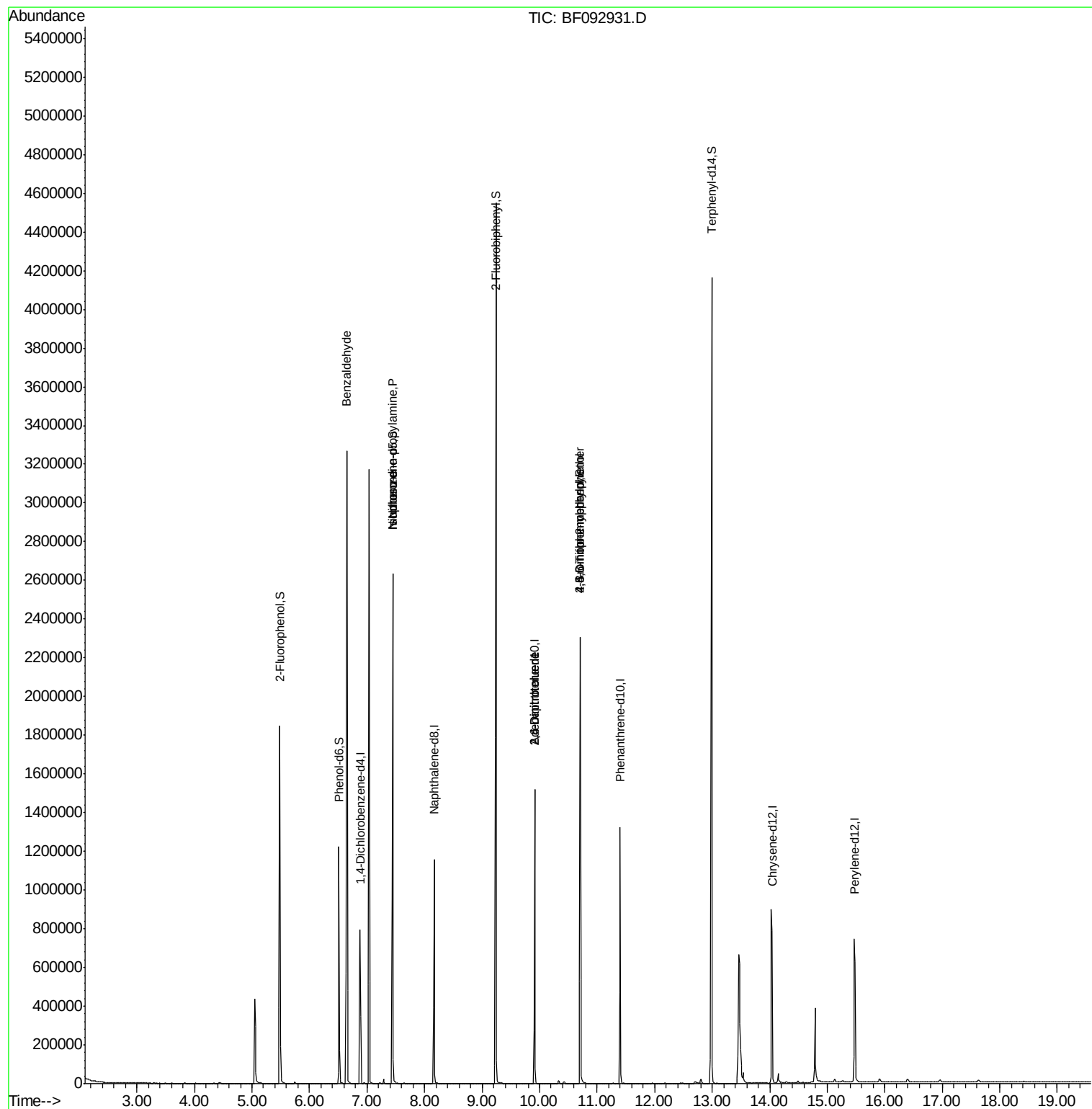
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	132999	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	554039	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	309853	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	517703	20.00	ng	0.00
75) Chrysene-d12	14.04	240	442857	20.00	ng	-0.01
86) Perylene-d12	15.47	264	392372	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	482822	62.28	ng	0.00
7) Phenol-d6	6.51	99	361232	36.22	ng	-0.02
23) Nitrobenzene-d5	7.45	82	876491	88.10	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	279732	124.82	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	1521141	88.94	ng	0.00
78) Terphenyl-d14	12.99	244	1471656	78.08	ng	0.00
Target Compounds						
9) Benzaldehyde	6.65	77	18278	2.56	ng	# 75
19) n-Nitroso-di-n-propylamine	7.45	70	116596	18.36	ng	# 80
25) Isophorone	7.45	82	650481	35.09	ng	# 65
50) 2,6-Dinitrotoluene	9.92	165	39723	8.81	ng	# 30
56) 2,4-Dinitrotoluene	9.92	165	39727	6.62	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.70	198	560	2.84	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	18602	3.44	ng	# 1

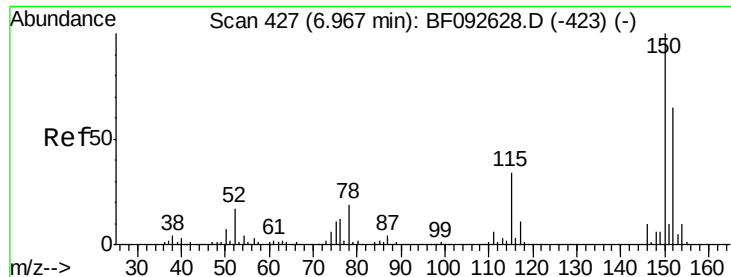
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF092931.D

Acq: 13 Feb 2017 21:13

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BNA_F

ClientSampleId :

38-FB021017

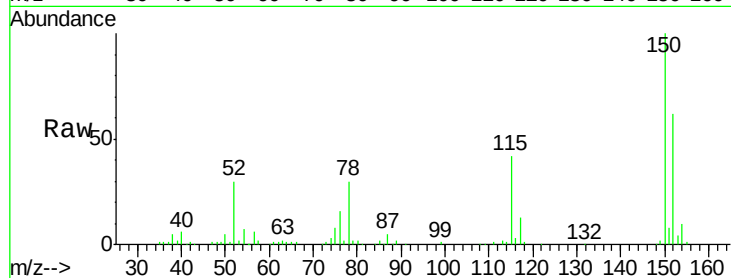
Tgt Ion:152 Resp: 132999

Ion Ratio Lower Upper

152 100

150 160.1 124.9 187.3

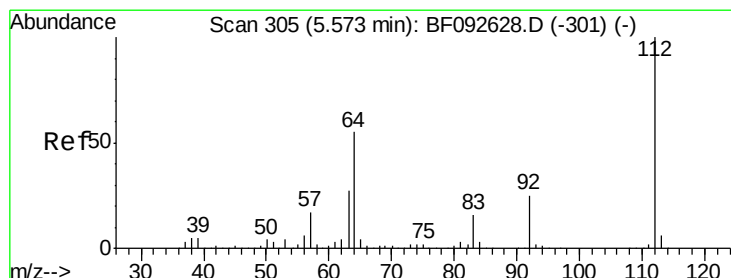
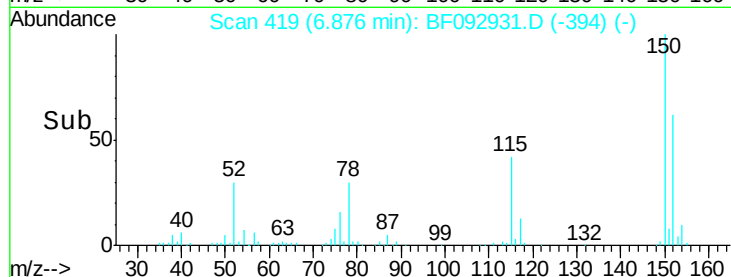
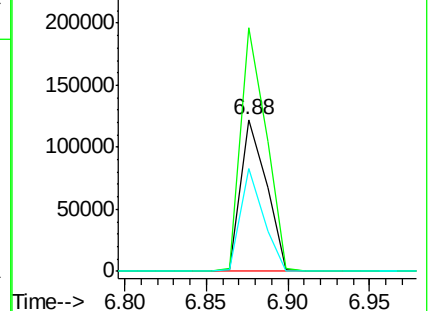
115 67.5 46.0 69.0



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: 62.28 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.00 min

Lab File: BF092931.D

Acq: 13 Feb 2017 21:13

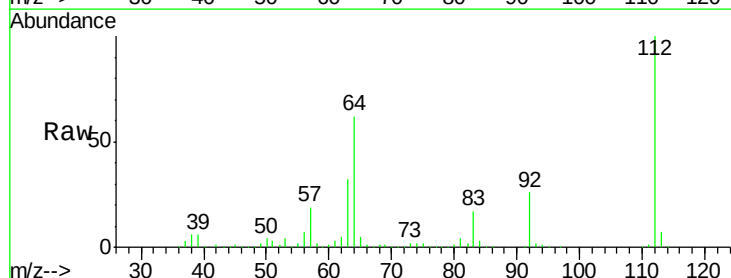
Tgt Ion:112 Resp: 482822

Ion Ratio Lower Upper

112 100

64 62.1 46.1 69.1

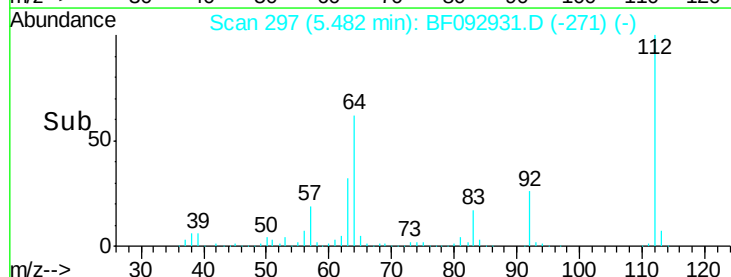
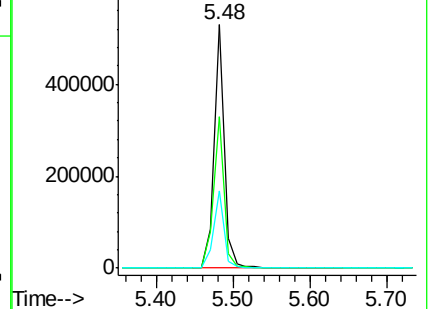
63 31.6 23.8 35.6

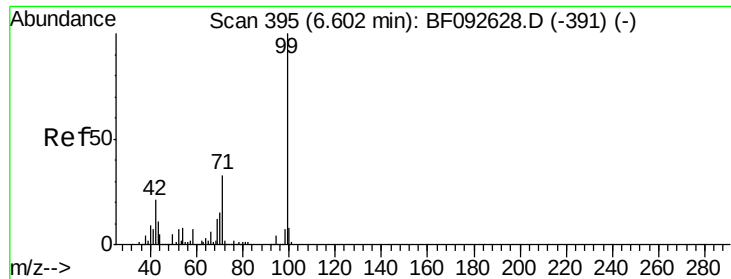


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.22 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF092931.D

Acq: 13 Feb 2017 21:13

Instrument :

BNA_F

ClientSampleId :

38-FB021017

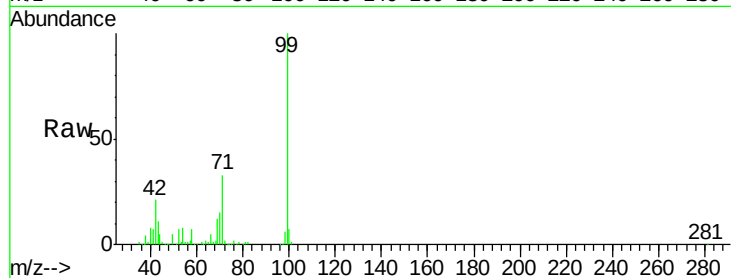
Tgt Ion: 99 Resp: 361232

Ion Ratio Lower Upper

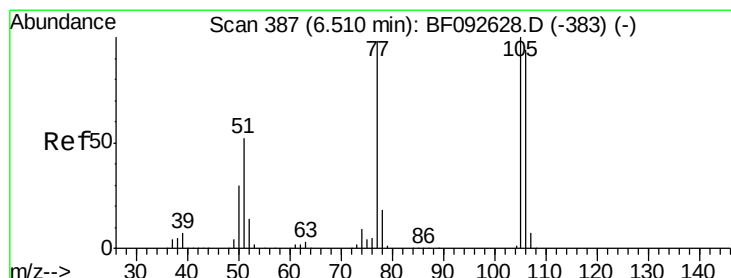
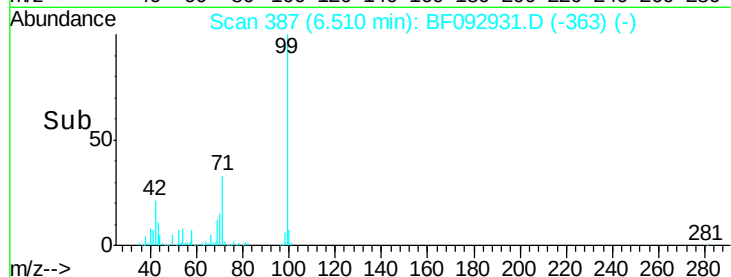
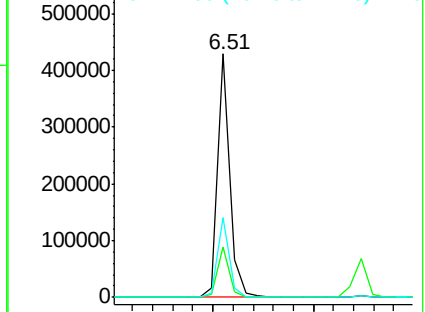
99 100

42 20.9 15.6 23.4

71 32.9 27.5 41.3



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



#9

Benzaldehyde

Concen: 2.56 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.22 min

Lab File: BF092931.D

Acq: 13 Feb 2017 21:13

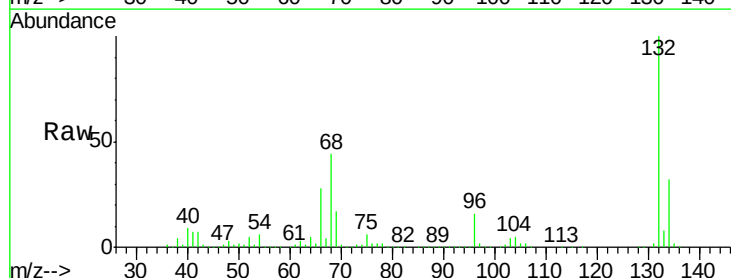
Tgt Ion: 77 Resp: 18278

Ion Ratio Lower Upper

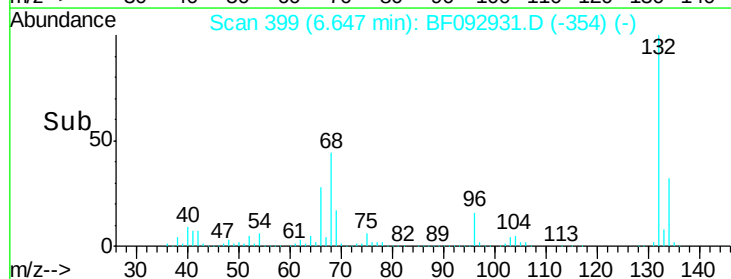
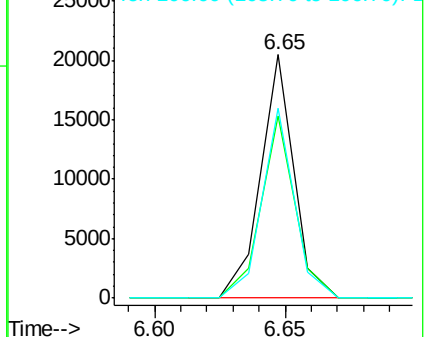
77 100

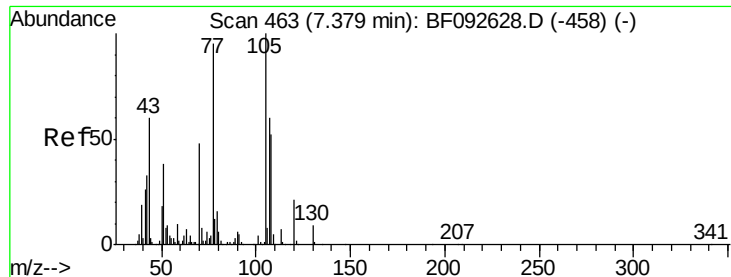
105 74.6 83.9 123.9#

106 77.8 77.6 117.6



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

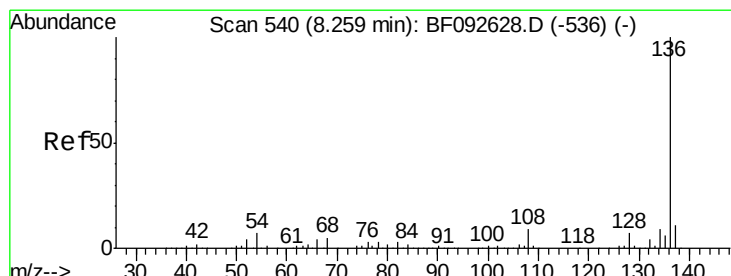
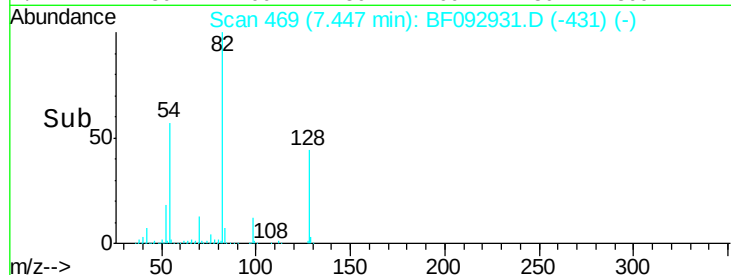
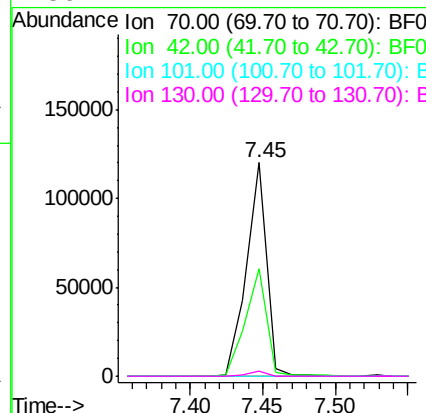
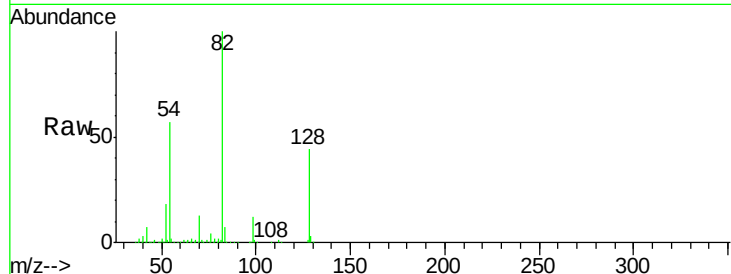




#19
n-Nitroso-di-n-propylamine
Concen: 18.36 ng
RT: 7.45 min Scan# 469
Delta R.T. 0.14 min
Lab File: BF092931.D
Acq: 13 Feb 2017 21:13

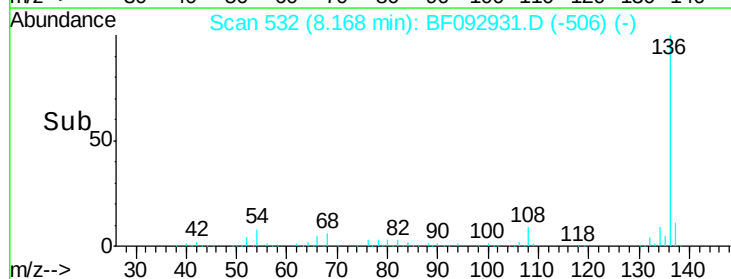
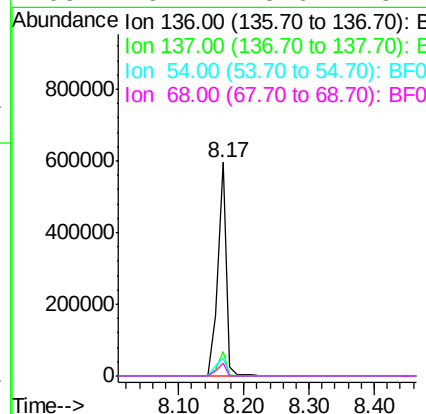
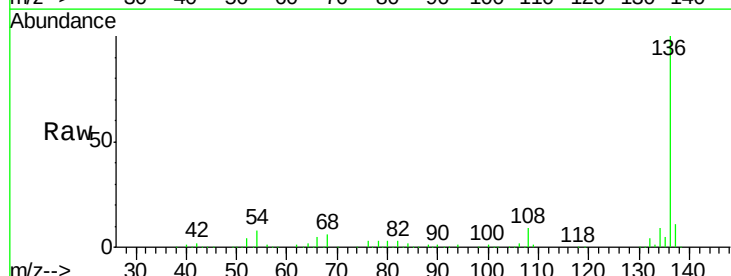
Instrument :
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38-FB021017

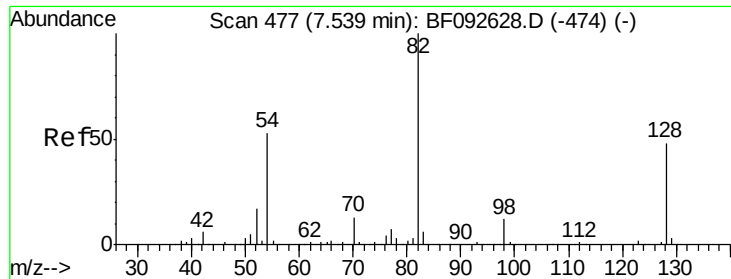
Tgt Ion: 70 Resp: 116596
Ion Ratio Lower Upper
70 100
42 50.4 49.4 74.0
101 0.0 7.4 11.2#
130 2.2 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 532
Delta R.T. 0.00 min
Lab File: BF092931.D
Acq: 13 Feb 2017 21:13

Tgt Ion: 136 Resp: 554039
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.3 4.5 6.7#
68 5.7 3.6 5.4#

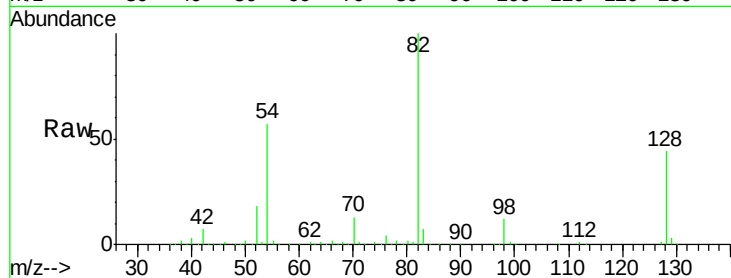




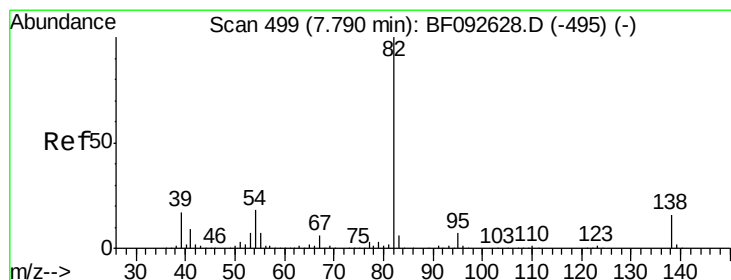
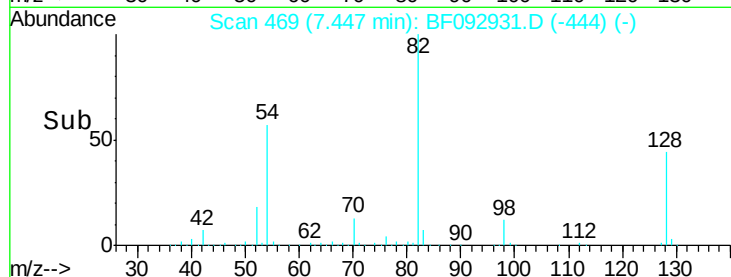
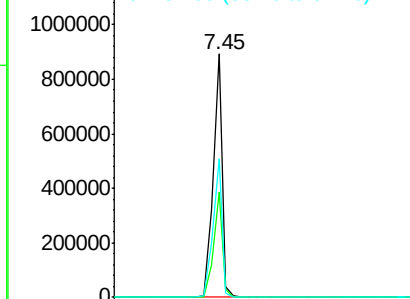
#23
 Nitrobenzene-d5
 Concen: 88.10 ng
 RT: 7.45 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: BF092931.D
 Acq: 13 Feb 2017 21:13

Instrument :
 BNA_F
 ClientSampleId :
 38-FB021017

Tgt Ion: 82 Resp: 876491
 Ion Ratio Lower Upper
 82 100
 128 43.5 34.6 52.0
 54 56.9 39.5 59.3

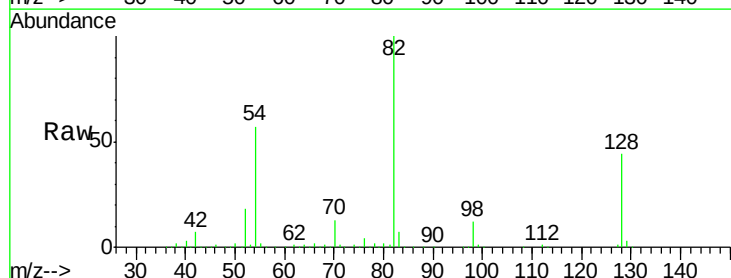


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

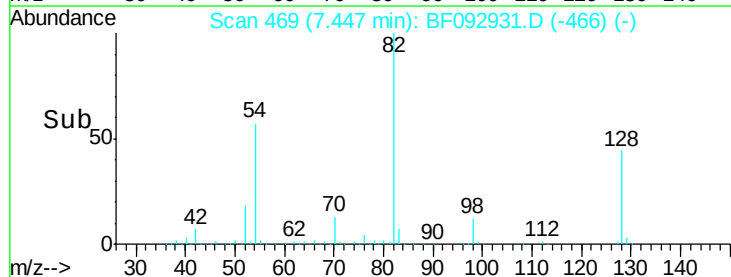
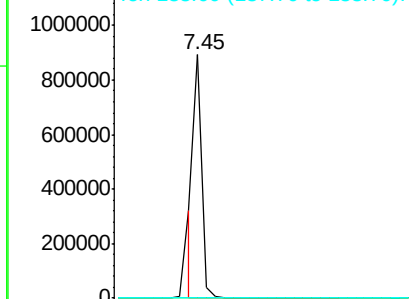


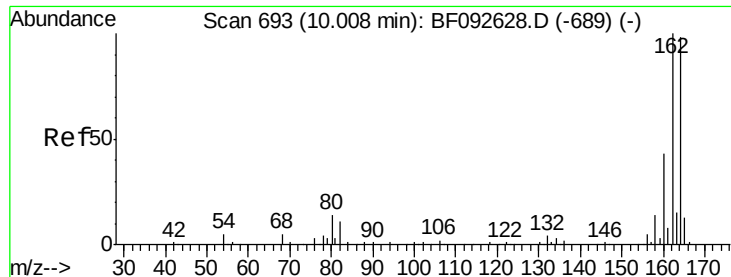
#25
 Isophorone
 Concen: 35.09 ng
 RT: 7.45 min Scan# 469
 Delta R.T. -0.26 min
 Lab File: BF092931.D
 Acq: 13 Feb 2017 21:13

Tgt Ion: 82 Resp: 650481
 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

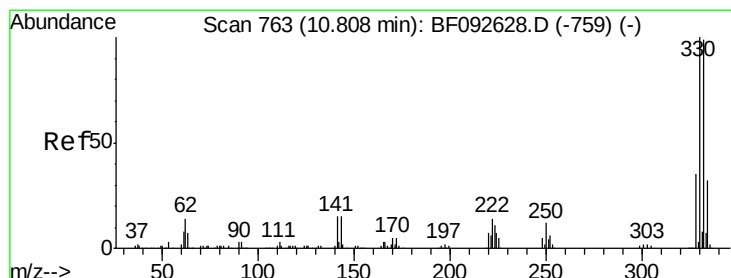
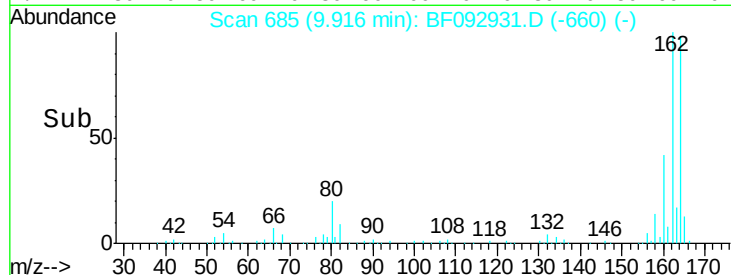
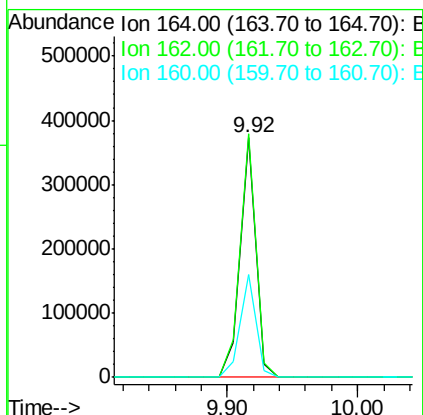
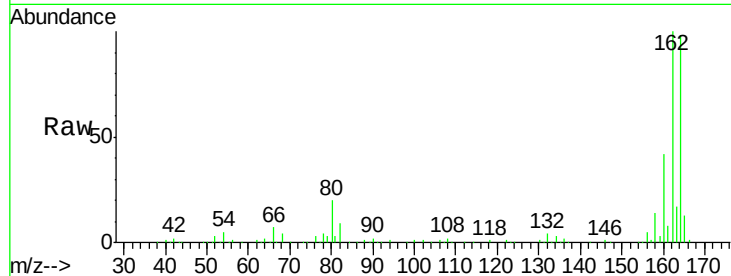




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.01 min
 Lab File: BF092931.D
 Acq: 13 Feb 2017 21:13

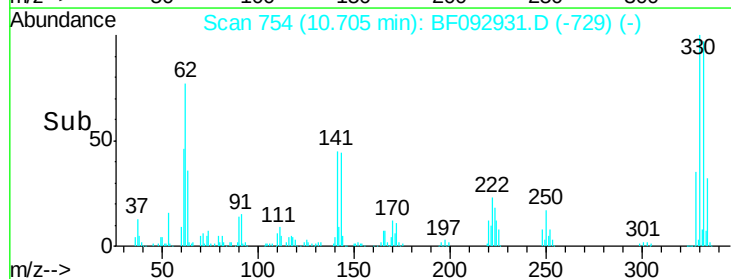
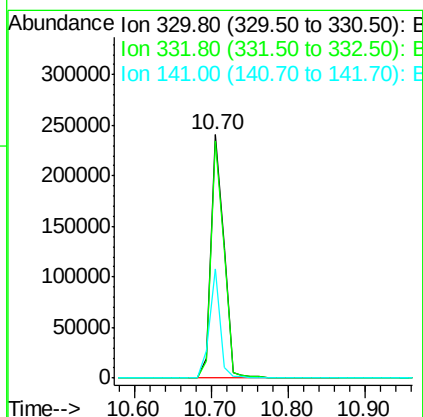
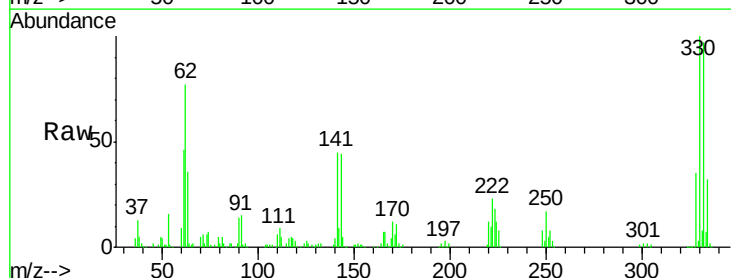
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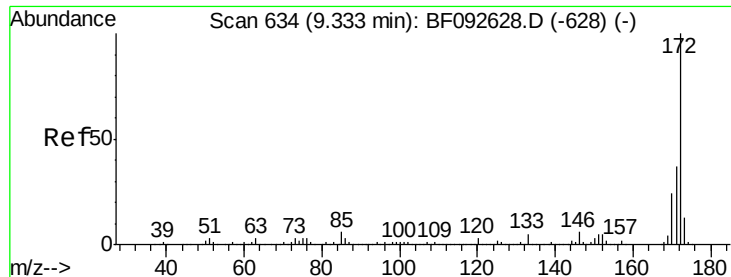
Tgt Ion:164 Resp: 309853
 Ion Ratio Lower Upper
 164 100
 162 101.6 80.2 120.2
 160 42.9 36.9 55.3



#41
 2,4,6-Tribromophenol
 Concen: 124.82 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: BF092931.D
 Acq: 13 Feb 2017 21:13

Tgt Ion:330 Resp: 279732
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.4 116.2
 141 36.7 34.1 51.1

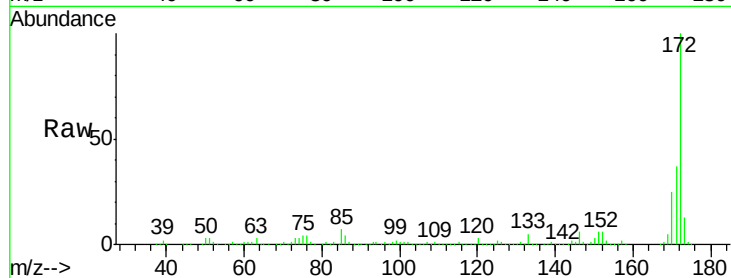




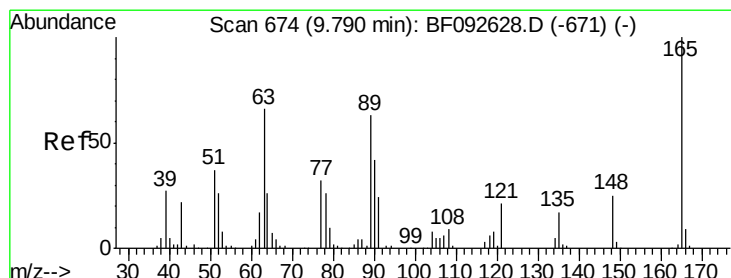
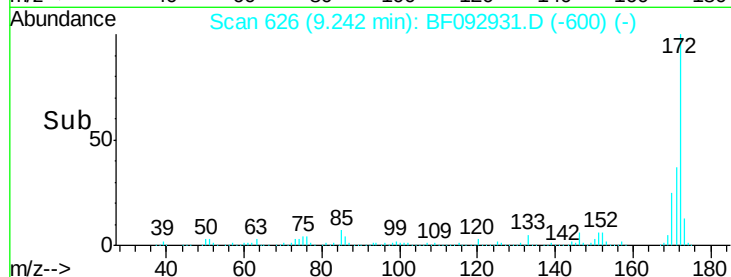
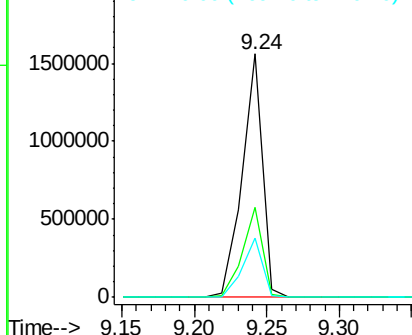
#44
 2-Fluorobiphenyl
 Concen: 88.94 ng
 RT: 9.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF092931.D
 Acq: 13 Feb 2017 21:13

Instrument :
 BNA_F
 ClientSampleId :
 38-FB021017

Tgt Ion:172 Resp: 1521141
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.0
 170 24.5 20.2 30.4

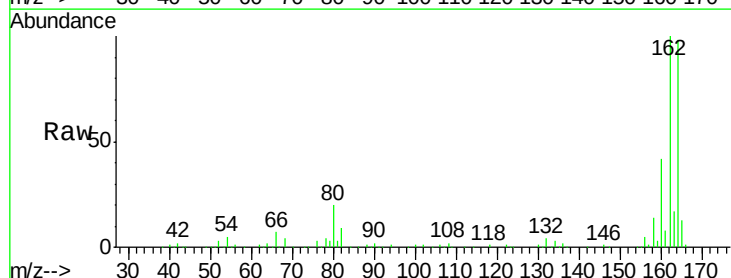


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

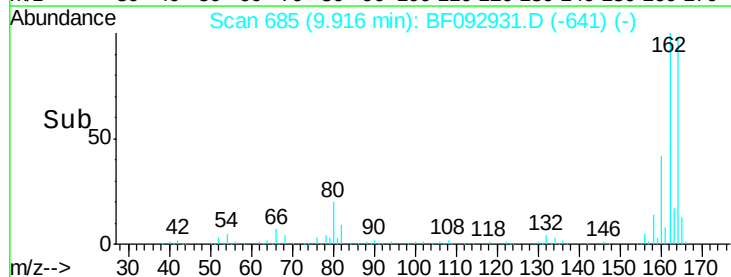
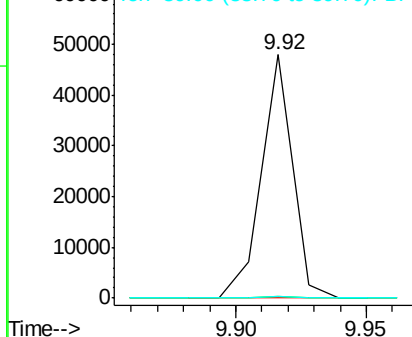


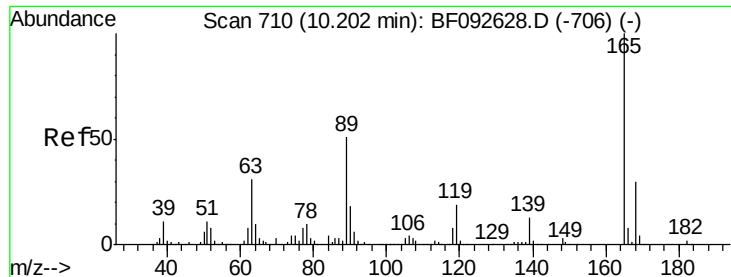
#50
 2,6-Dinitrotoluene
 Concen: 8.81 ng
 RT: 9.92 min Scan# 685
 Delta R.T. 0.21 min
 Lab File: BF092931.D
 Acq: 13 Feb 2017 21:13

Tgt Ion:165 Resp: 39723
 Ion Ratio Lower Upper
 165 100
 63 0.9 36.2 54.4#
 89 1.0 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

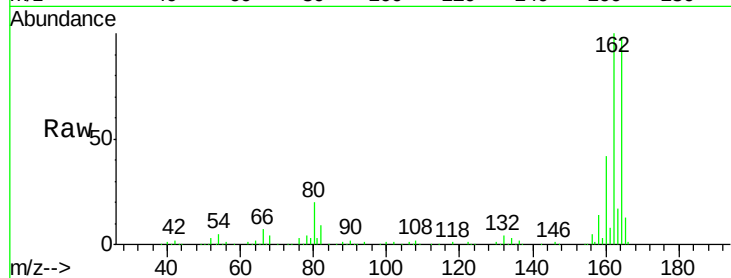




#56
 2,4-Dinitrotoluene
 Concen: 6.62 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.21 min
 Lab File: BF092931.D
 Acq: 13 Feb 2017 21:13

Instrument :
 BNA_F
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 38-FB021017

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	40.2	60.4#
89	1.0	62.5	93.7#
182	0.0	1.8	2.8#

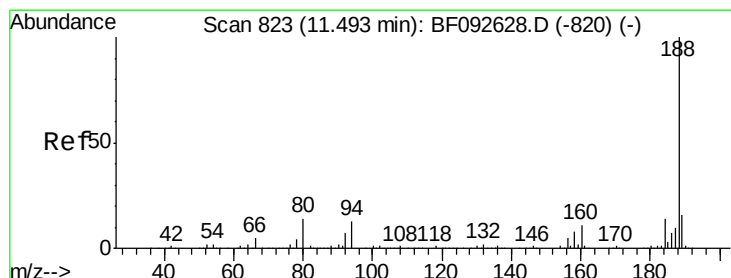
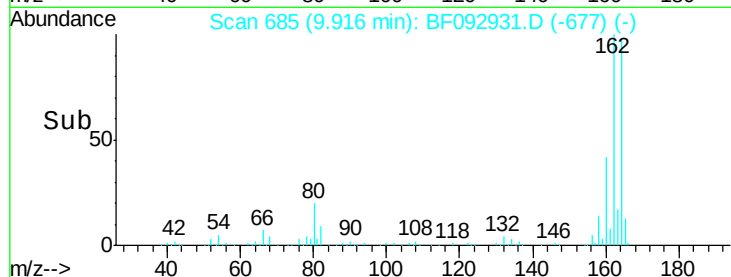
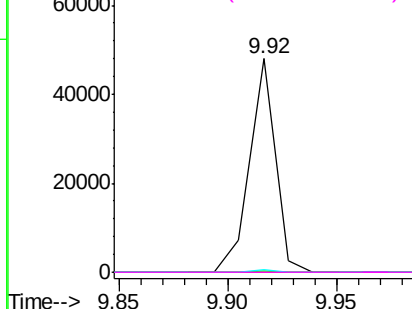


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

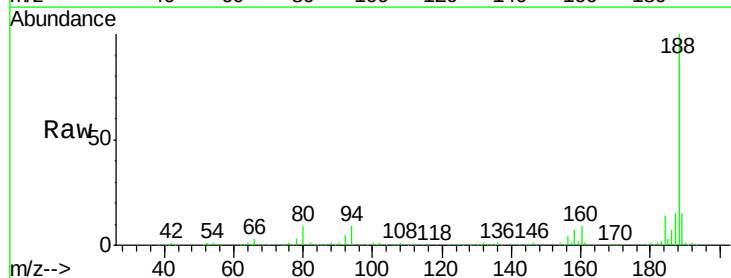
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 815
 Delta R.T. 0.00 min
 Lab File: BF092931.D
 Acq: 13 Feb 2017 21:13

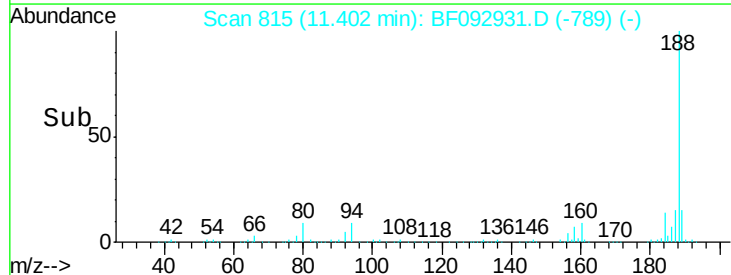
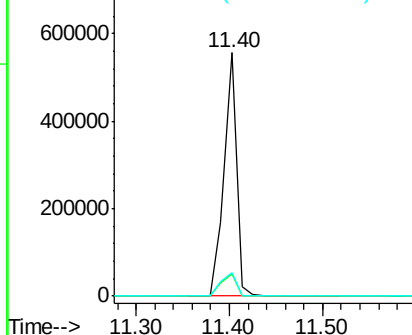
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	10.0	15.0#
80	9.5	11.2	16.8#

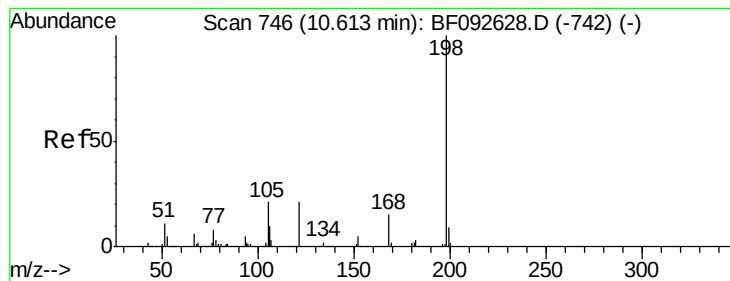


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.84 ng

RT: 10.70 min Scan# 754

Delta R.T. 0.17 min

Lab File: BF092931.D

Acq: 13 Feb 2017 21:13

Instrument :

BNA_F

ClientSampleId :

38-FB021017

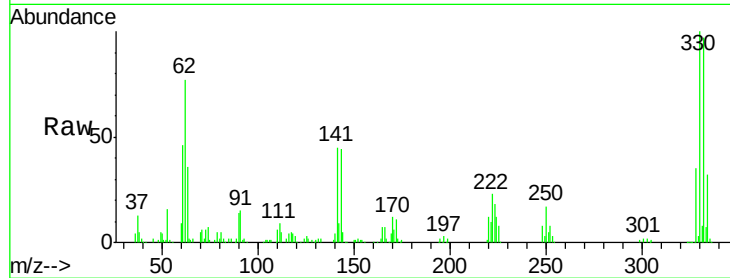
Tgt Ion:198 Resp: 560

Ion Ratio Lower Upper

198 100

51 197.2 6.7 46.7#

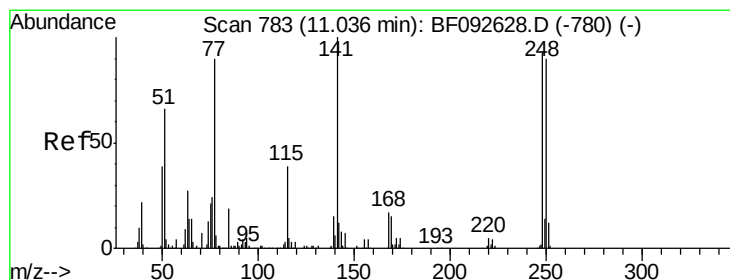
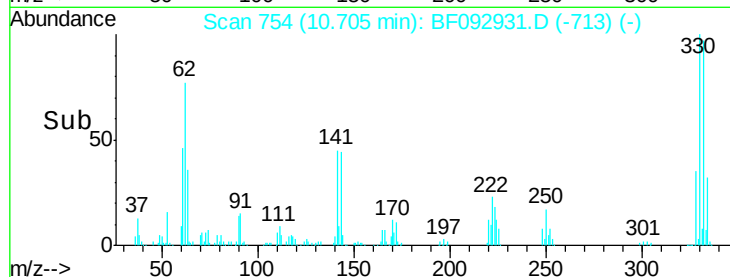
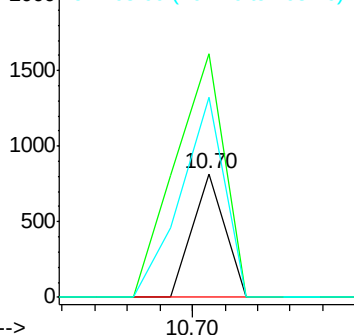
105 162.5 16.6 56.6#



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



#66

4-Bromophenyl-phenylether

Concen: 3.44 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.25 min

Lab File: BF092931.D

Acq: 13 Feb 2017 21:13

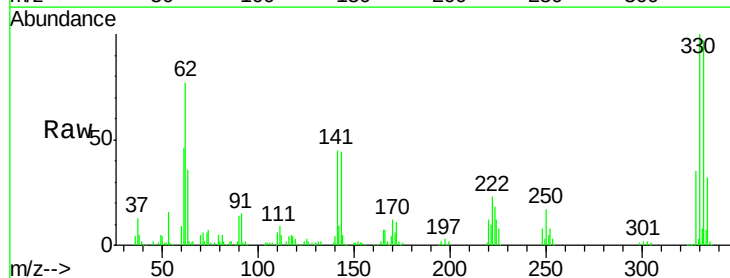
Tgt Ion:248 Resp: 18602

Ion Ratio Lower Upper

248 100

250 205.4 76.9 115.3#

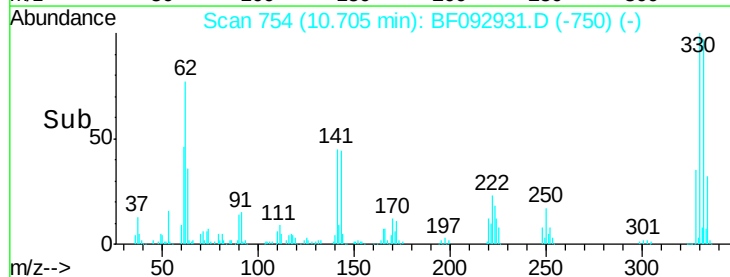
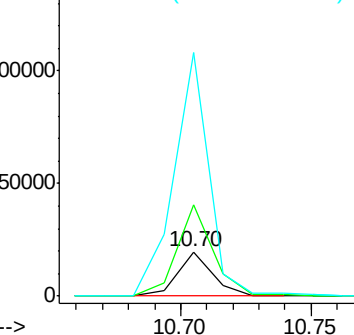
141 548.4 68.2 102.4#

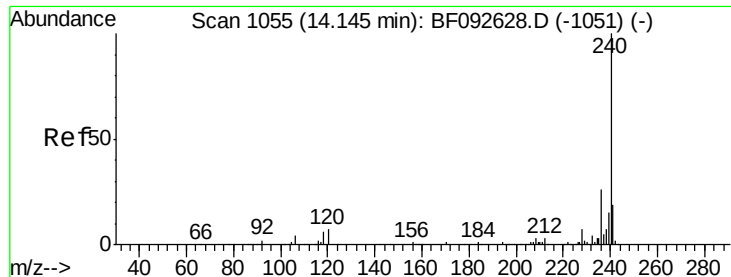


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF092931.D

Acq: 13 Feb 2017 21:13

Instrument :

BNA_F

ClientSampleId :

38-FB021017

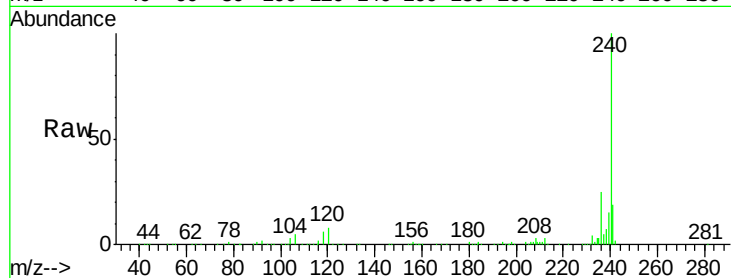
Tgt Ion:240 Resp: 442857

Ion Ratio Lower Upper

240 100

120 7.6 12.9 19.3#

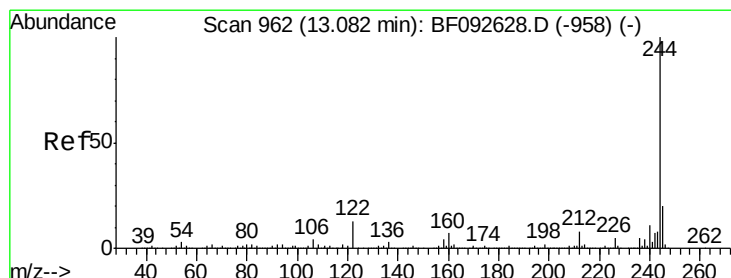
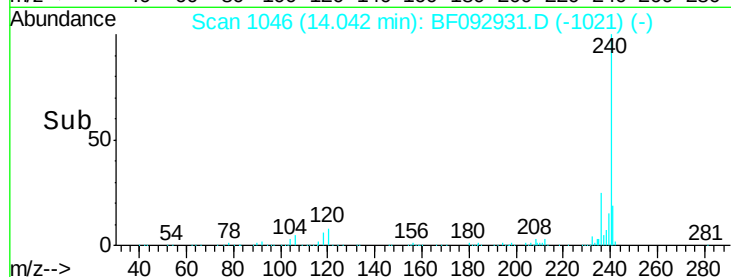
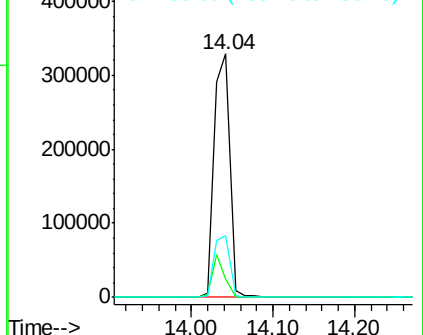
236 25.5 20.9 31.3



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: 78.08 ng

RT: 12.99 min Scan# 954

Delta R.T. 0.00 min

Lab File: BF092931.D

Acq: 13 Feb 2017 21:13

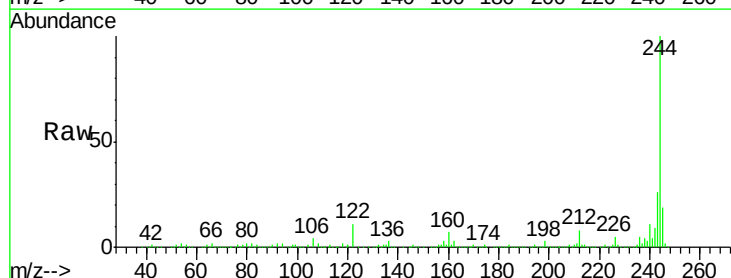
Tgt Ion:244 Resp: 1471656

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

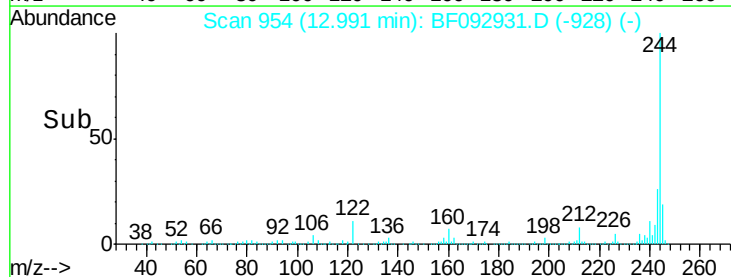
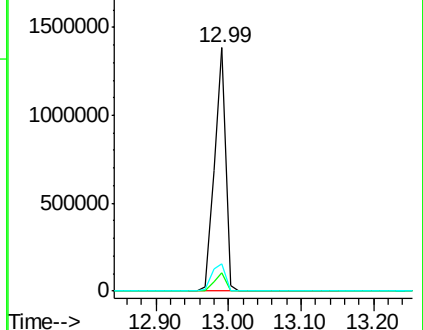
122 11.3 11.4 17.2#

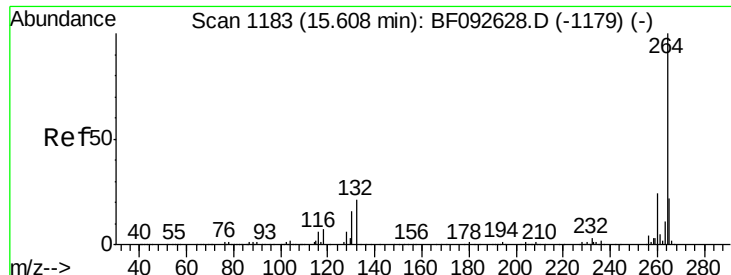


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.47 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF092931.D
Acq: 13 Feb 2017 21:13

Instrument :
BNA_F
ClientSampleId :
38-FB021017

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.4	17.4	26.0

