

Data File : BF093042.D
Acq On : 20 Feb 2017 21:37
Operator : SJ/MA
Sample : I1878-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B1-2

Quant Time: Feb 20 23:44:34 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	146318	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	566538	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	279191	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	511312	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	455601	20.00	ng	-0.01
86) Perylene-d12	15.44	264	324926	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1032714	121.09	ng	0.00
7) Phenol-d6	6.49	99	1178532	107.40	ng	0.00
23) Nitrobenzene-d5	7.41	82	862934	84.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	319866	158.41	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1715746	111.33	ng	0.00
78) Terphenyl-d14	12.96	244	1448571	74.71	ng	-0.01

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	112625	16.12	ng	# 80
25) Isophorone	7.41	82	729430	38.48	ng	# 65
31) Naphthalene	8.16	128	113254	3.94	ng	99
32) Benzoic acid	8.16	122	239	7.21	ng	# 1
50) 2,6-Dinitrotoluene	9.89	165	35768	8.81	ng	# 32
56) 2,4-Dinitrotoluene	9.89	165	35768	6.62	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.68	198	947	2.96	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	24706	4.62	ng	# 1

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

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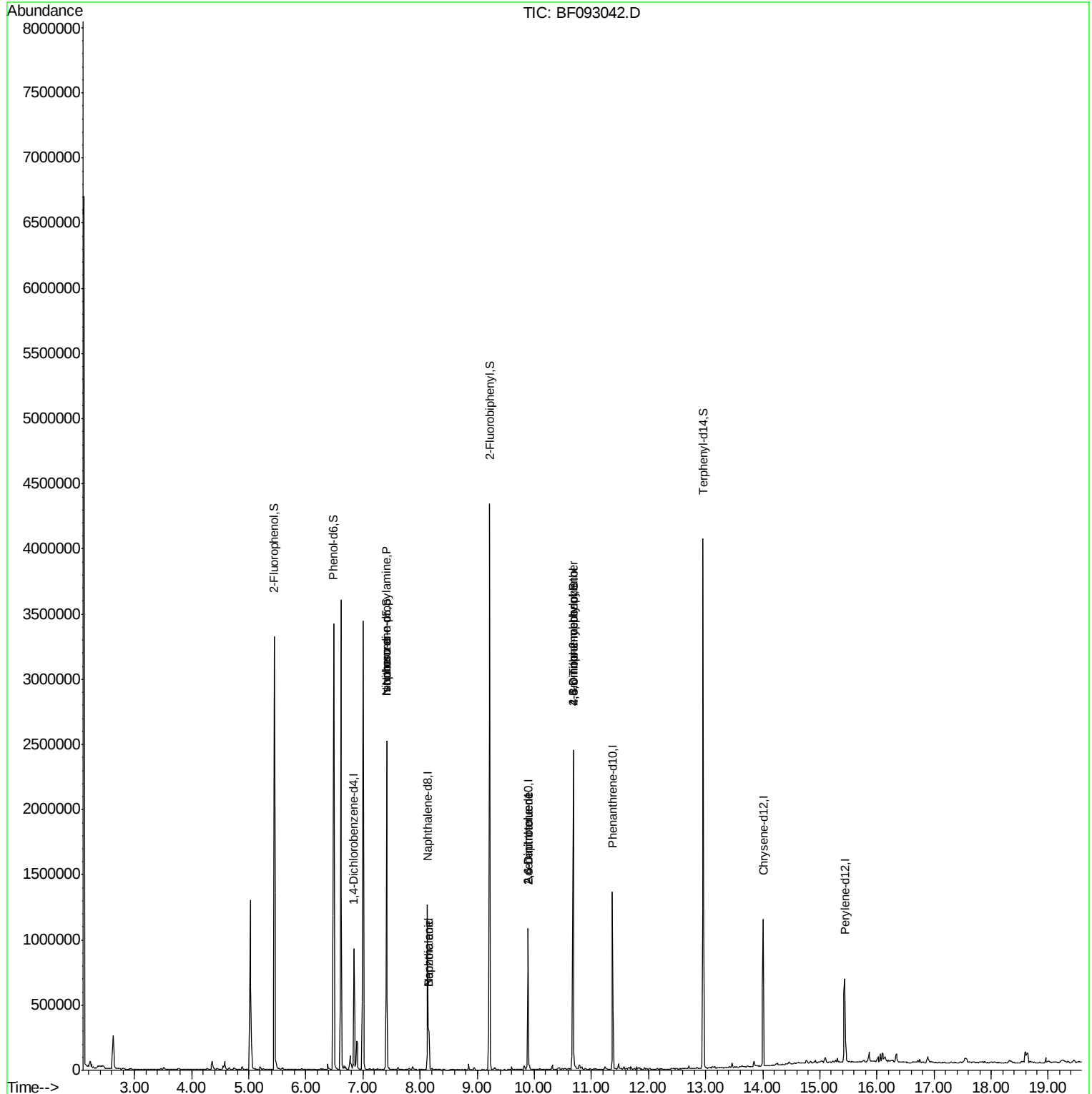
Quant Time: Feb 20 23:44:34 2017

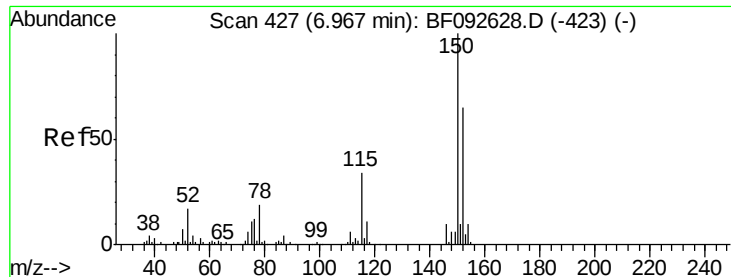
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Response via : Initial Calibration





#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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Instrument :

BNA_F

ClientSampleId :

B1-2

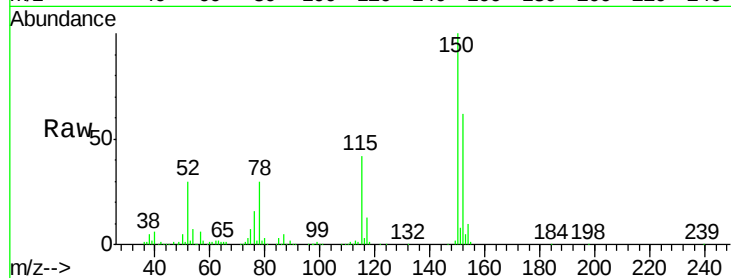
Tgt Ion:152 Resp: 146318

Ion Ratio Lower Upper

152 100

150 162.1 124.9 187.3

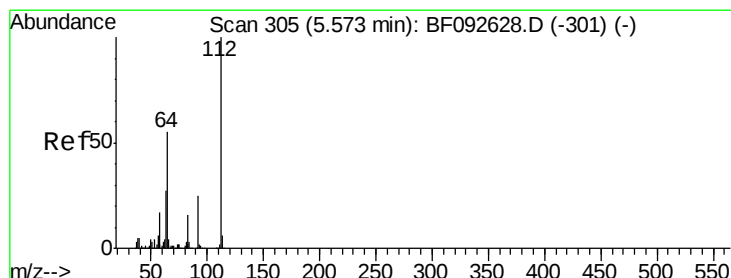
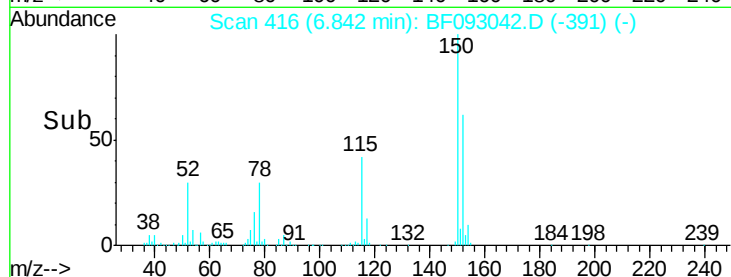
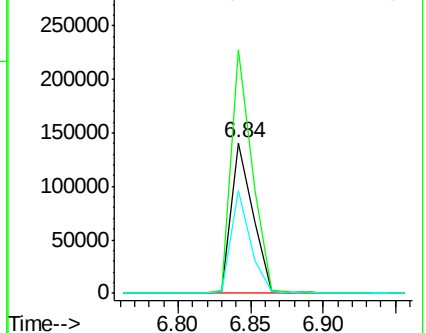
115 68.1 46.0 69.0



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: 121.09 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.00 min

Lab File: BF093042.D

Acq: 20 Feb 2017 21:37

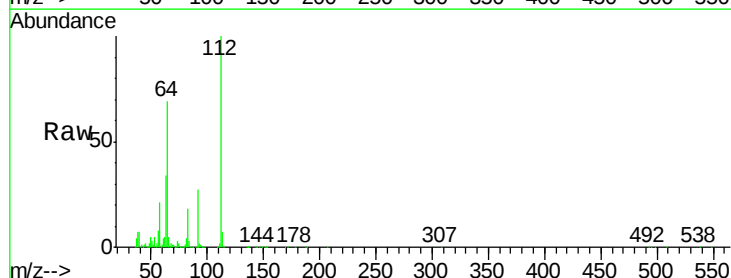
Tgt Ion:112 Resp: 1032714

Ion Ratio Lower Upper

112 100

64 68.5 46.1 69.1

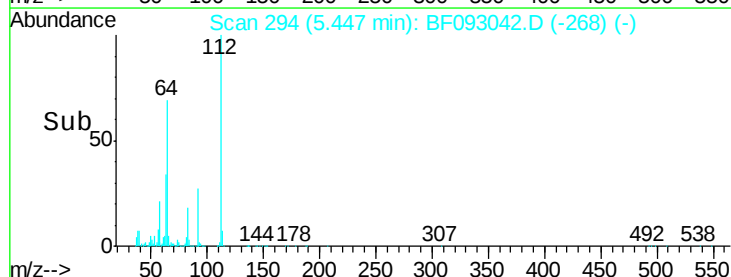
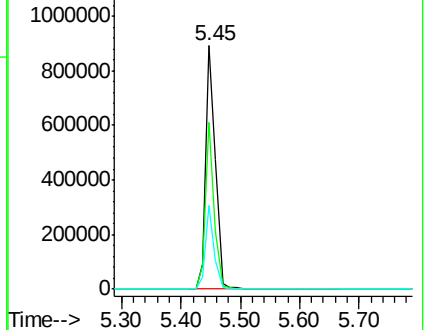
63 34.3 23.8 35.6



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: 107.40 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF093042.D

Acq: 20 Feb 2017 21:37

Instrument :

BNA_F

ClientSampleId :

B1-2

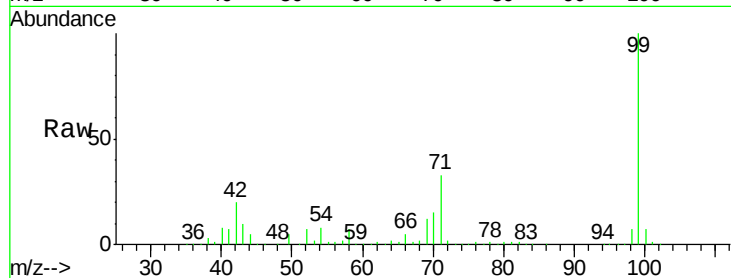
Tgt Ion: 99 Resp: 1178532

Ion Ratio Lower Upper

99 100

42 20.2 15.6 23.4

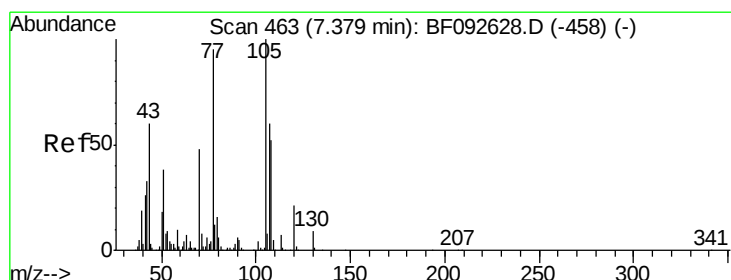
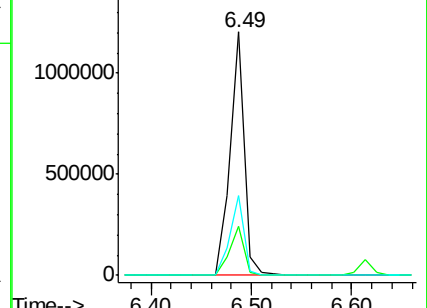
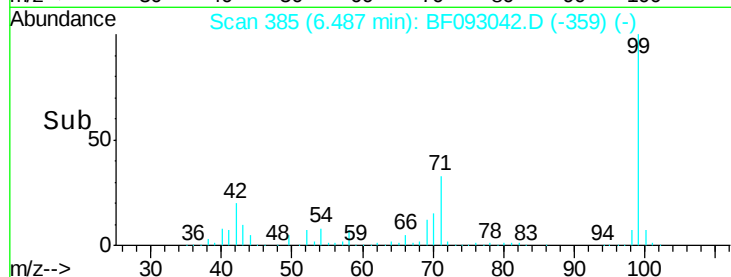
71 32.7 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.12 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093042.D

Acq: 20 Feb 2017 21:37

Tgt Ion: 70 Resp: 112625

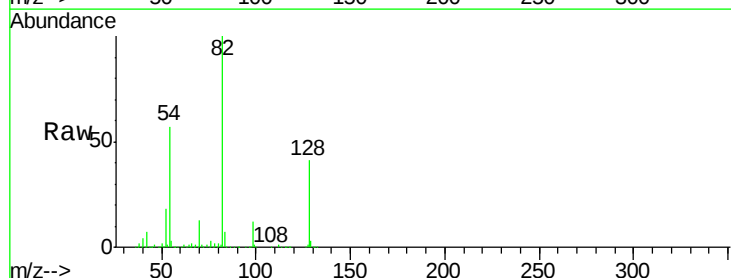
Ion Ratio Lower Upper

70 100

42 50.2 49.4 74.0

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

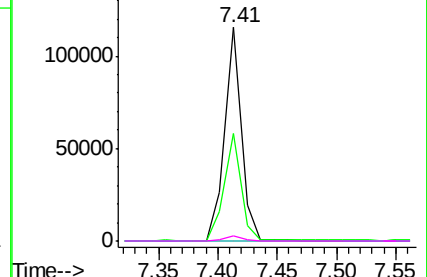
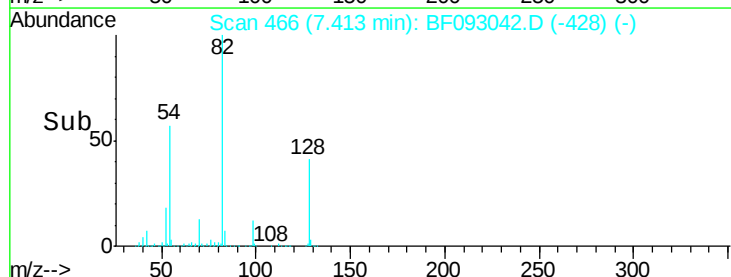


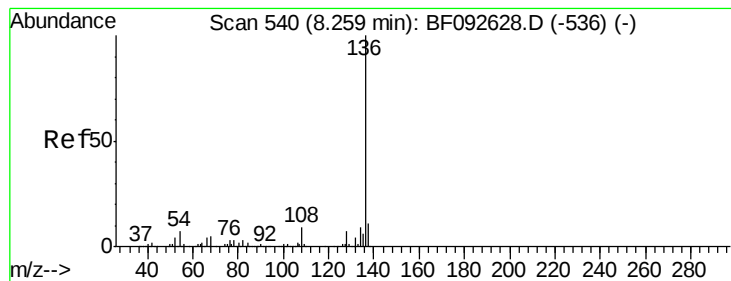
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF093042.D

Acq: 20 Feb 2017 21:37

Instrument :

BNA_F

ClientSampleId :

B1-2

Tgt Ion: 136 Resp: 566538

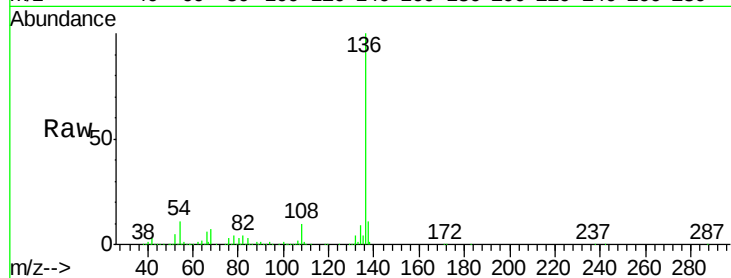
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 10.8 4.5 6.7#

68 7.5 3.6 5.4#

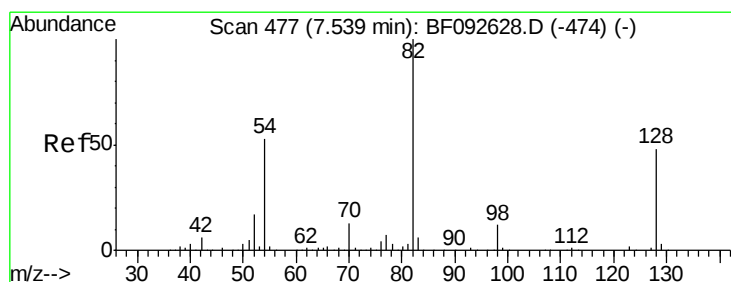
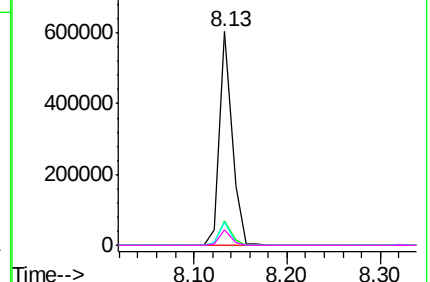
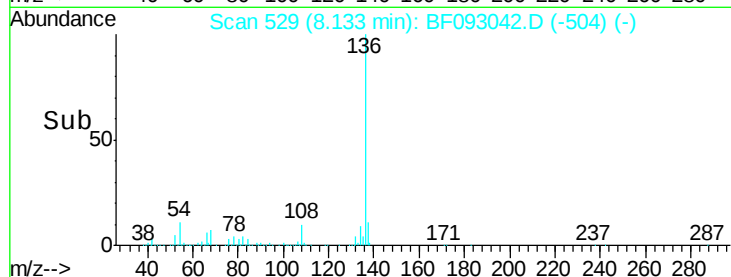


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.82 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.01 min

Lab File: BF093042.D

Acq: 20 Feb 2017 21:37

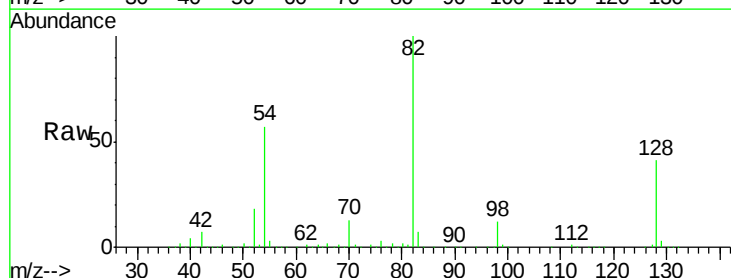
Tgt Ion: 82 Resp: 862934

Ion Ratio Lower Upper

82 100

128 41.4 34.6 52.0

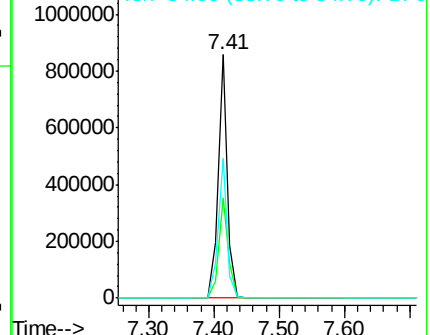
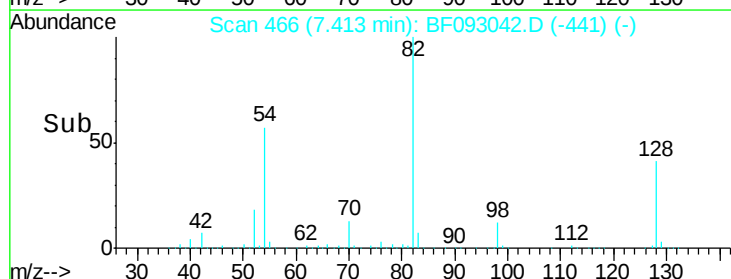
54 57.5 39.5 59.3

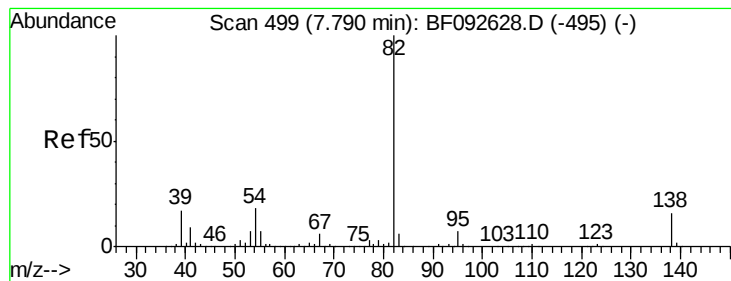


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 38.48 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.27 min

Lab File: BF093042.D

Acq: 20 Feb 2017 21:37

Instrument :

BNA_F

ClientSampleId :

B1-2

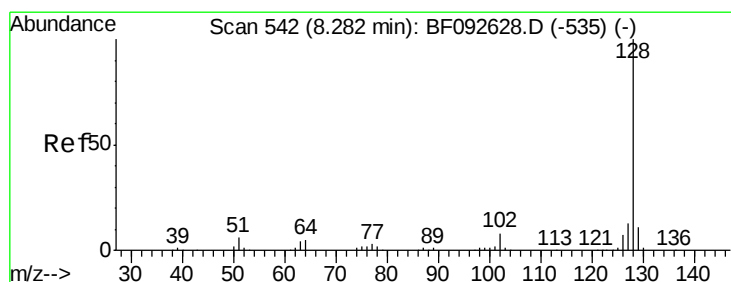
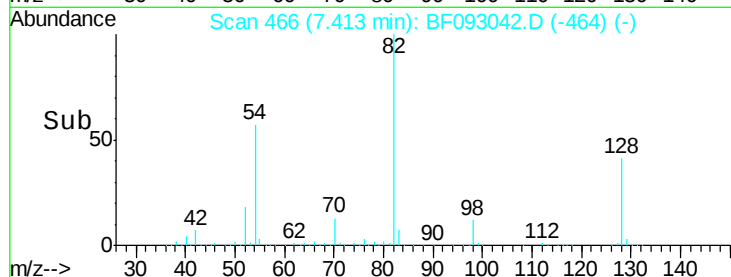
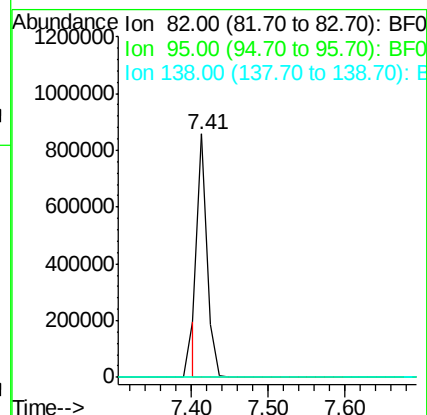
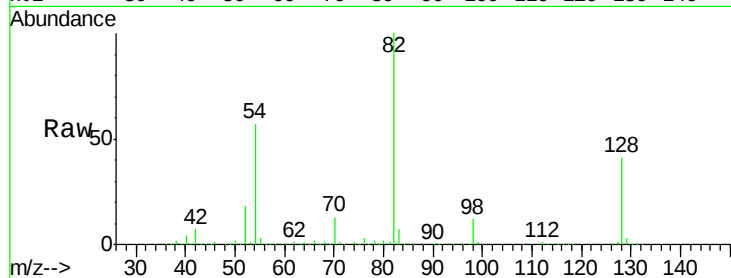
Tgt Ion: 82 Resp: 729430

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



#31

Naphthalene

Concen: 3.94 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF093042.D

Acq: 20 Feb 2017 21:37

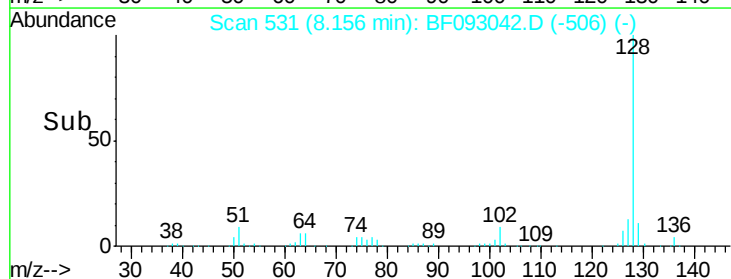
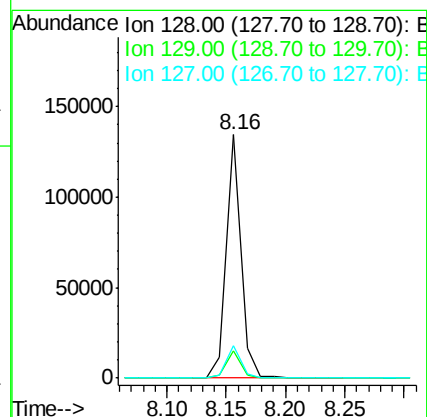
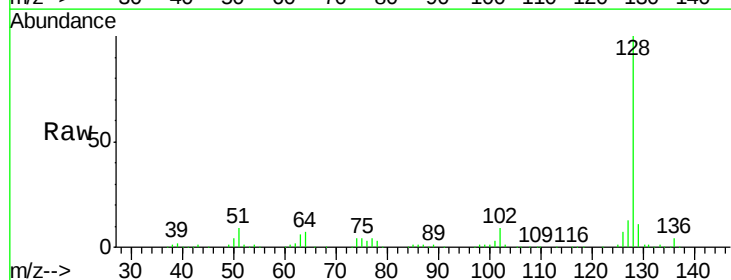
Tgt Ion: 128 Resp: 113254

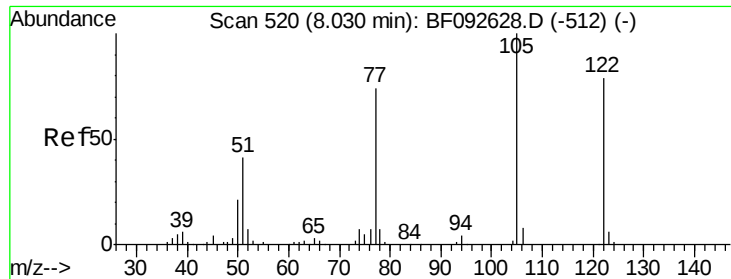
Ion Ratio Lower Upper

128 100

129 11.2 9.5 14.3

127 13.2 10.8 16.2

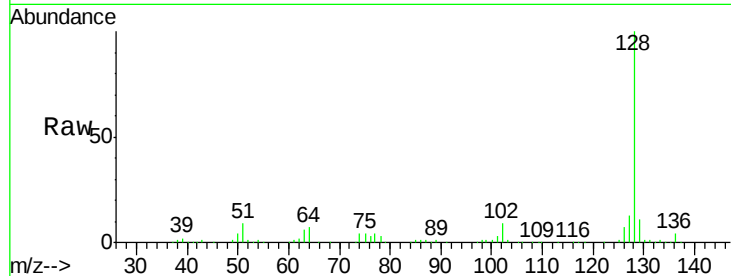




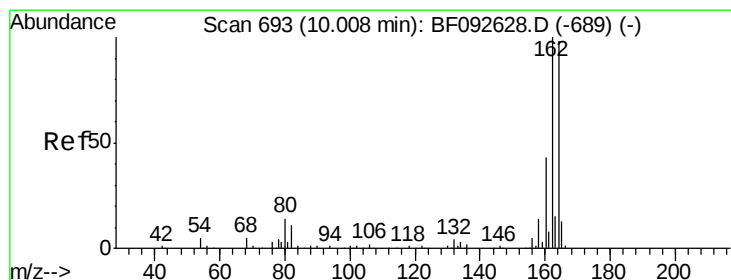
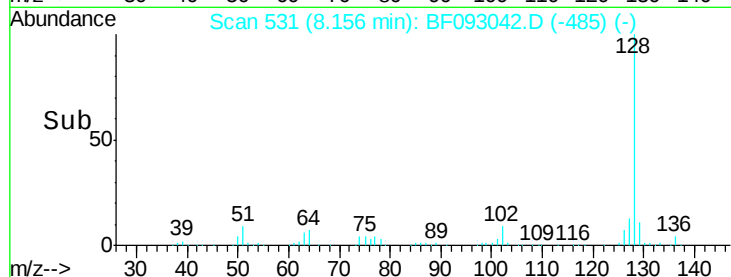
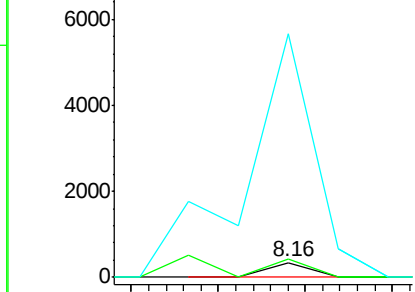
#32
Benzoic acid
Concen: 7.21 ng
RT: 8.16 min Scan# 531
Delta R.T. 0.23 min
Lab File: BF093042.D
Acq: 20 Feb 2017 21:37

Instrument :
BNA_F
ClientSampleId :
B1-2

Tgt Ion:122 Resp: 239
Ion Ratio Lower Upper
122 100
105 122.1 107.2 147.2
77 1621.5 74.5 114.5#

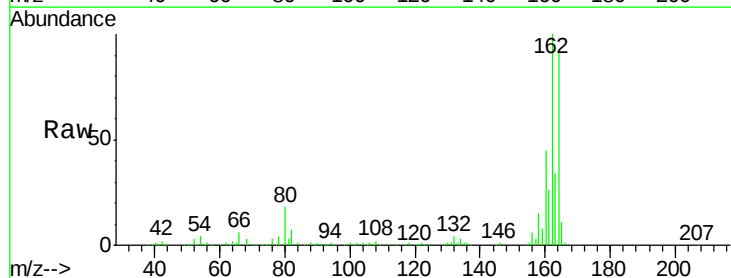


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BFO

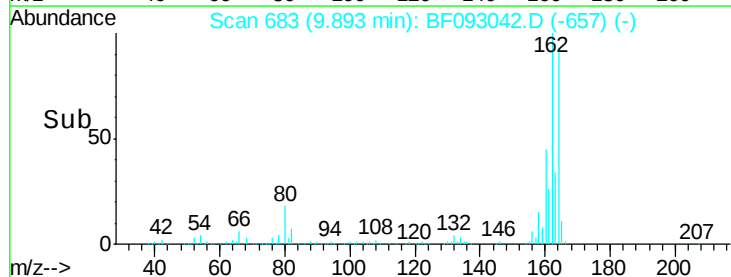
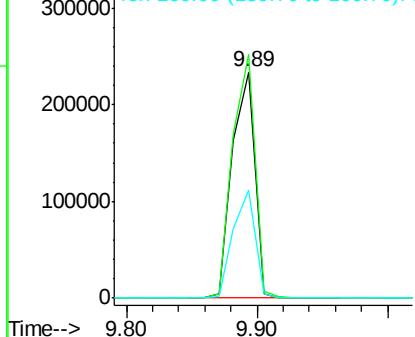


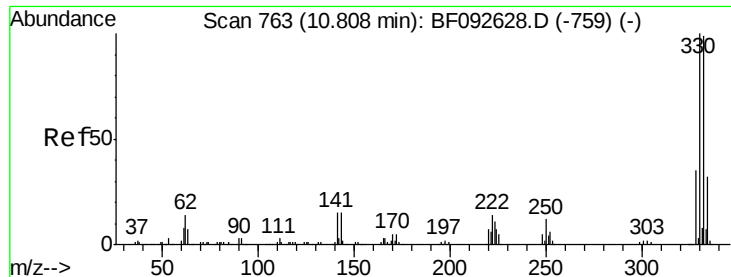
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. 0.00 min
Lab File: BF093042.D
Acq: 20 Feb 2017 21:37

Tgt Ion:164 Resp: 279191
Ion Ratio Lower Upper
164 100
162 107.6 80.2 120.2
160 48.0 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

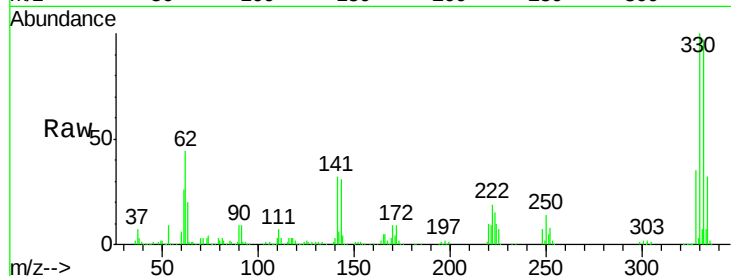




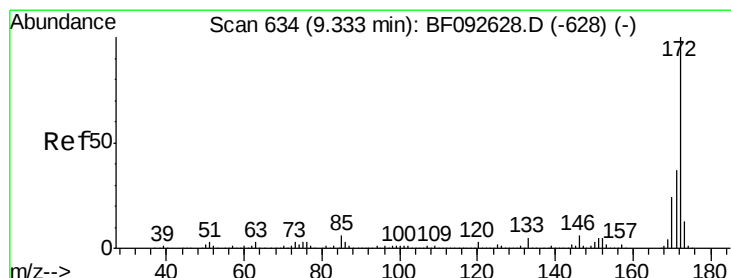
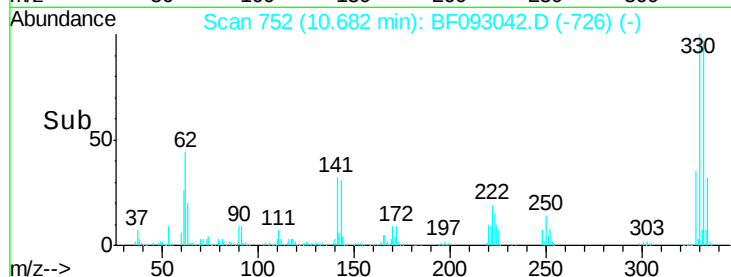
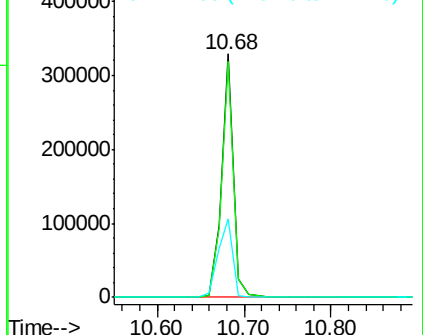
#41
 2,4,6-Tribromophenol
 Concen: 158.41 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF093042.D
 Acq: 20 Feb 2017 21:37

Instrument :
 BNA_F
 ClientSampleId :
 B1-2

Tgt Ion:330 Resp: 319866
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.2
 141 39.7 34.1 51.1

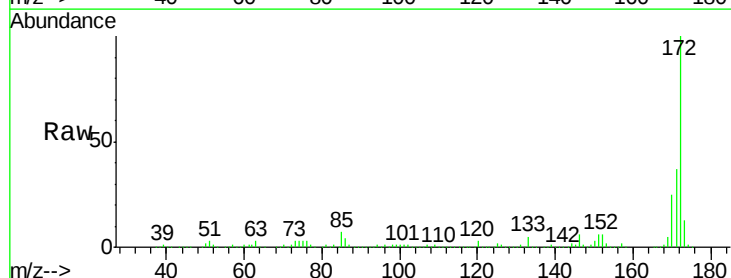


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

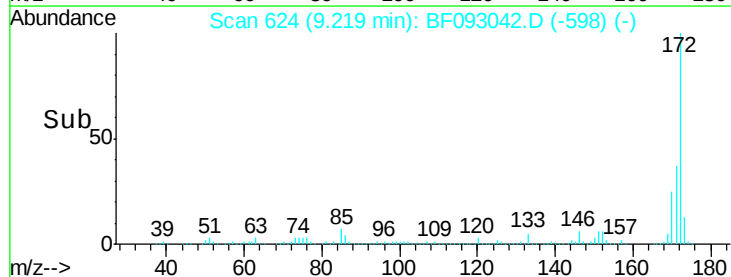
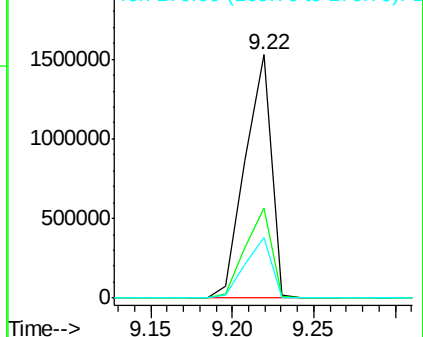


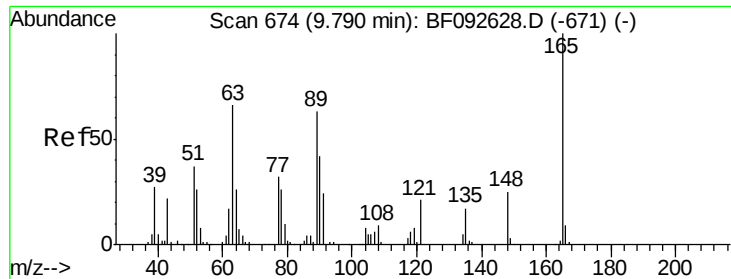
#44
 2-Fluorobiphenyl
 Concen: 111.33 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF093042.D
 Acq: 20 Feb 2017 21:37

Tgt Ion:172 Resp: 1715746
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.0
 170 24.9 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

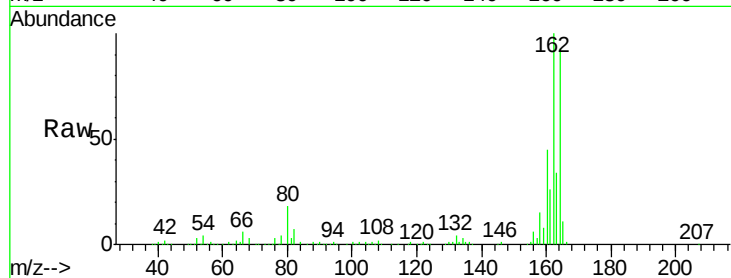




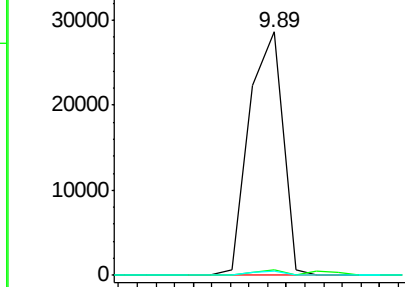
#50
 2,6-Dinitrotoluene
 Concen: 8.81 ng
 RT: 9.89 min Scan# 683
 Delta R.T. 0.21 min
 Lab File: BF093042.D
 Acq: 20 Feb 2017 21:37

Instrument :
 BNA_F
 ClientSampleId :
 B1-2

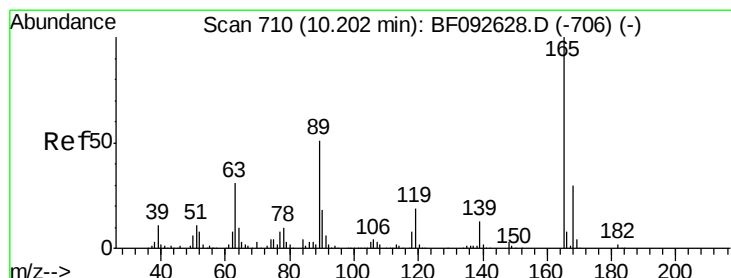
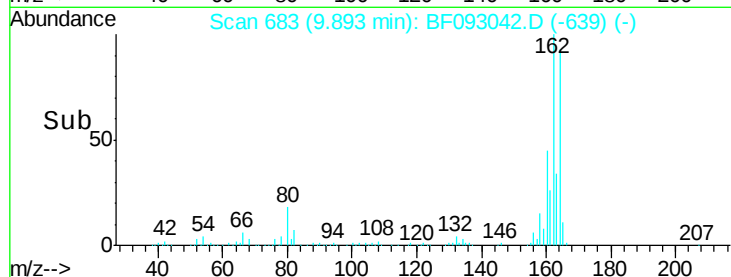
Tgt Ion:165 Resp: 35768
 Ion Ratio Lower Upper
 165 100
 63 2.4 36.2 54.4#
 89 1.7 40.2 60.4#



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

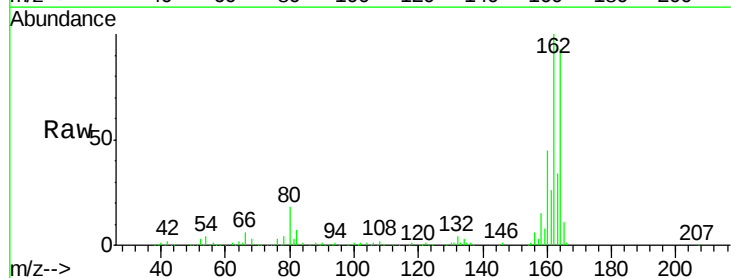


Time-->

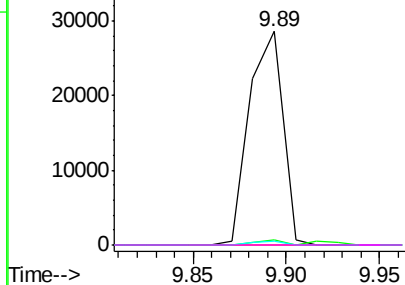


#56
 2,4-Dinitrotoluene
 Concen: 6.62 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.19 min
 Lab File: BF093042.D
 Acq: 20 Feb 2017 21:37

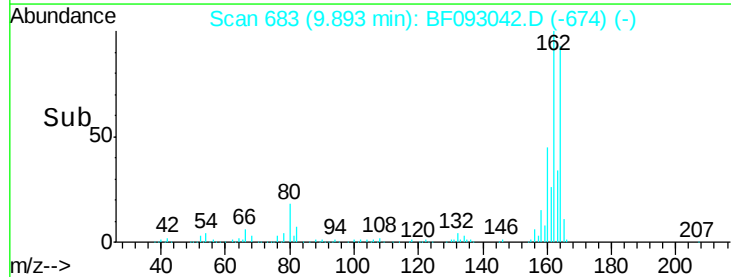
Tgt Ion:165 Resp: 35768
 Ion Ratio Lower Upper
 165 100
 63 2.4 40.2 60.4#
 89 1.7 62.5 93.7#
 182 0.0 1.8 2.8#

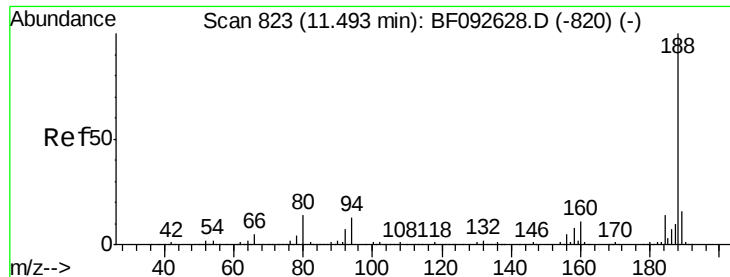


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E



Time-->

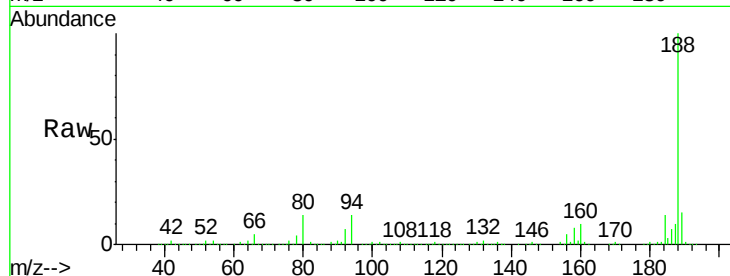




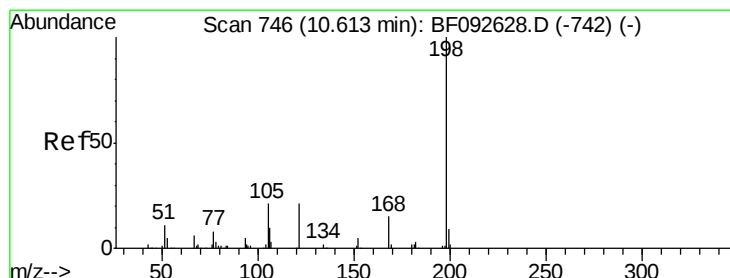
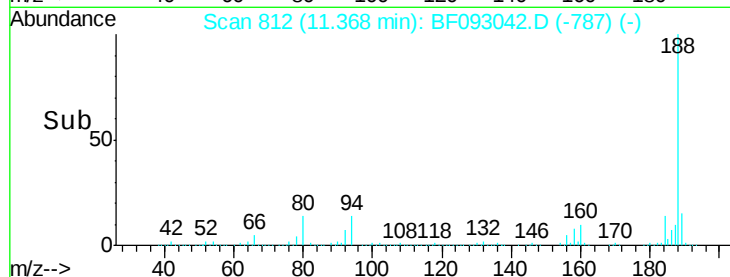
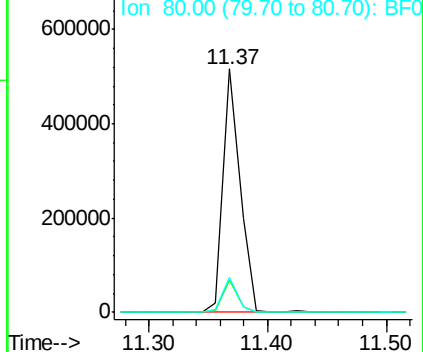
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF093042.D
Acq: 20 Feb 2017 21:37

Instrument :
BNA_F
ClientSampleId :
B1-2

Tgt Ion:188 Resp: 511312
Ion Ratio Lower Upper
188 100
94 13.5 10.0 15.0
80 14.3 11.2 16.8

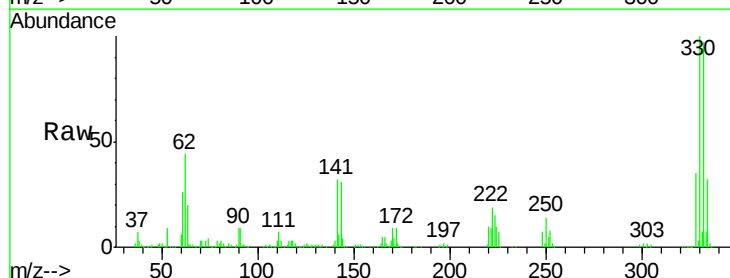


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

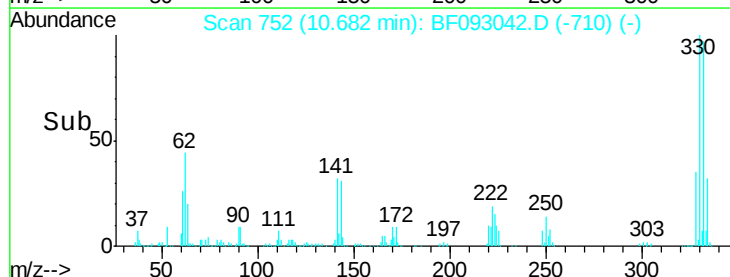
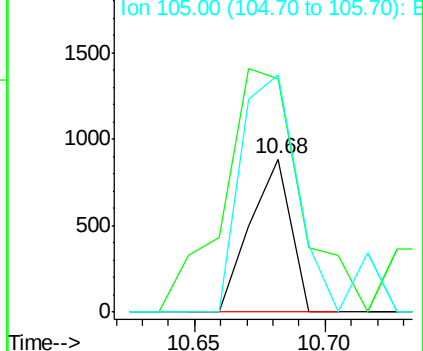


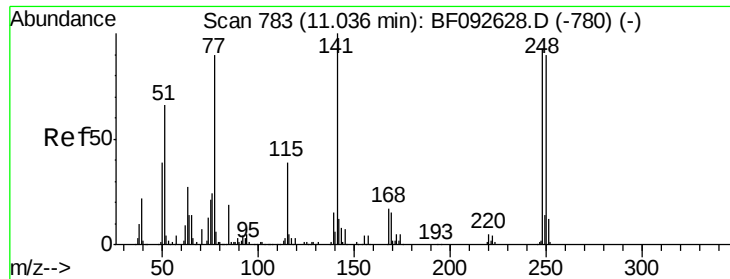
#64
4,6-Dinitro-2-methylphenol
Concen: 2.96 ng
RT: 10.68 min Scan# 752
Delta R.T. 0.18 min
Lab File: BF093042.D
Acq: 20 Feb 2017 21:37

Tgt Ion:198 Resp: 947
Ion Ratio Lower Upper
198 100
51 152.3 6.7 46.7#
105 154.4 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

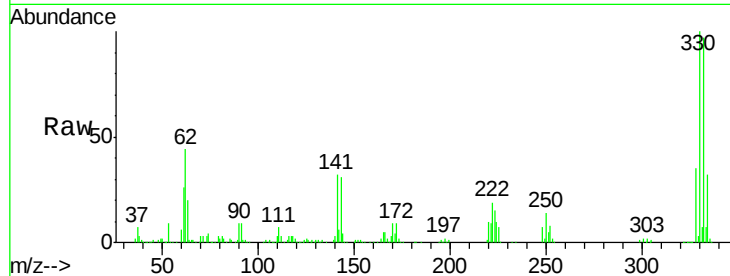




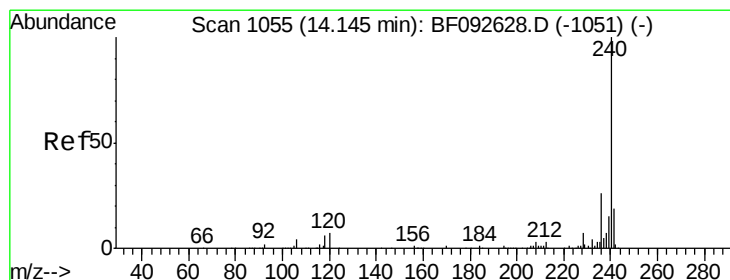
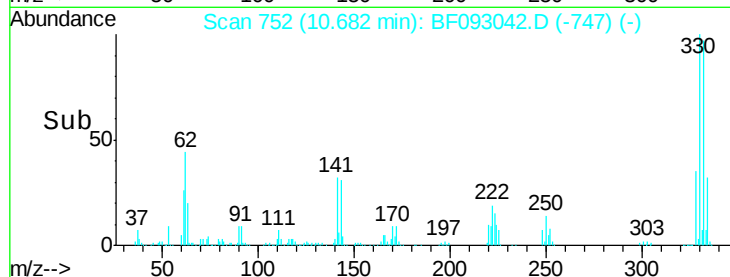
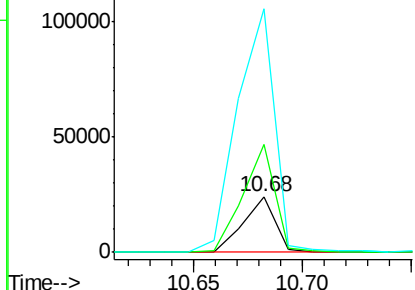
#66
 4-Bromophenyl-phenylether
 Concen: 4.62 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.24 min
 Lab File: BF093042.D
 Acq: 20 Feb 2017 21:37

Instrument :
 BNA_F
 ClientSampled :
 B1-2

Tgt Ion:248 Resp: 24706
 Ion Ratio Lower Upper
 248 100
 250 193.0 76.9 115.3#
 141 437.5 68.2 102.4#

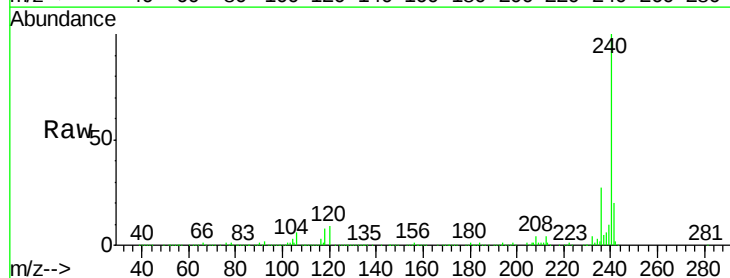


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

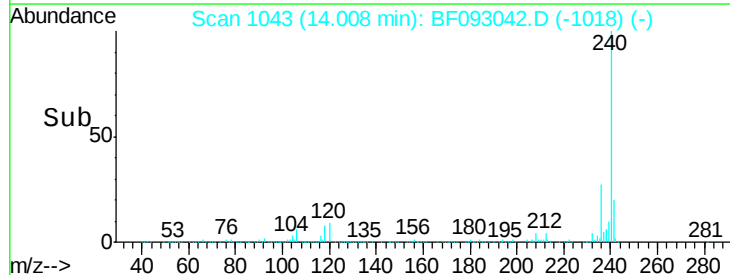
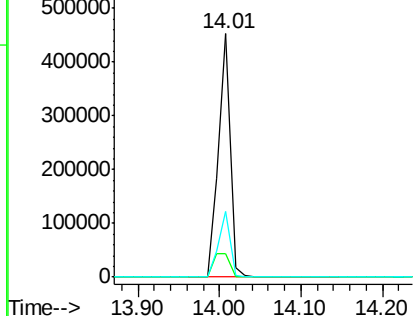


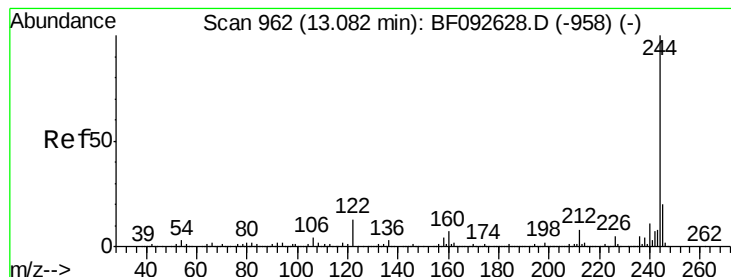
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BF093042.D
 Acq: 20 Feb 2017 21:37

Tgt Ion:240 Resp: 455601
 Ion Ratio Lower Upper
 240 100
 120 9.4 12.9 19.3#
 236 26.9 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: 74.71 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093042.D

Acq: 20 Feb 2017 21:37

Instrument :

BNA_F

ClientSampleId :

B1-2

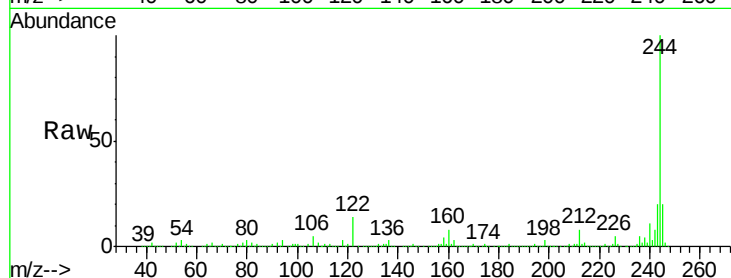
Tgt Ion:244 Resp: 1448571

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

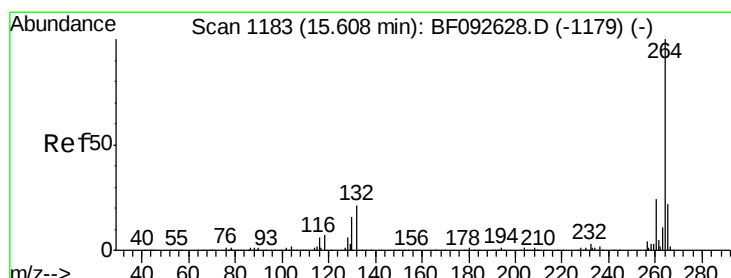
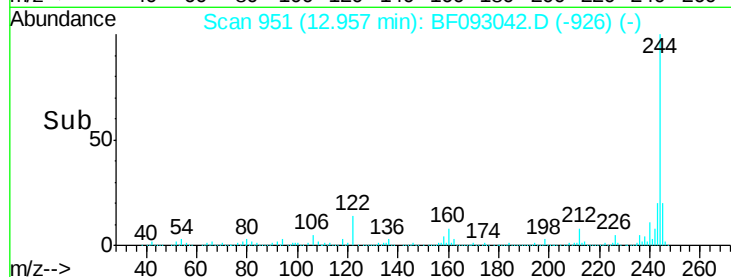
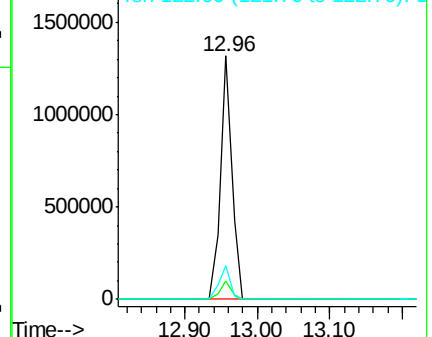
122 13.8 11.4 17.2



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: 15.44 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF093042.D

Acq: 20 Feb 2017 21:37

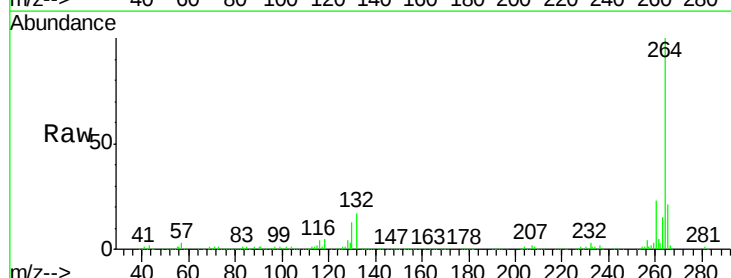
Tgt Ion:264 Resp: 324926

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 20.8 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

