

Data File : BF093047.D
Acq On : 20 Feb 2017 23:54
Operator : SJ/MA
Sample : I1913-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-ABCD-COMP

Quant Time: Feb 21 00:23:24 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	154900	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	617655	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	290855	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	544392	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	447835	20.00	ng	-0.01
86) Perylene-d12	15.43	264	151034	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1150296	127.40	ng	0.01
7) Phenol-d6	6.49	99	1231997	106.05	ng	0.00
23) Nitrobenzene-d5	7.41	82	887229	79.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	323372	153.72	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1733796	107.99	ng	0.00
78) Terphenyl-d14	12.96	244	1391482	73.01	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	117061	15.83	ng	# 79
25) Isophorone	7.41	82	690102	33.39	ng	# 65
50) 2,6-Dinitrotoluene	9.89	165	36368	8.60	ng	# 32
56) 2,4-Dinitrotoluene	9.89	165	36368	6.46	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.68	198	495	2.81	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	24315	4.28	ng	# 1

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

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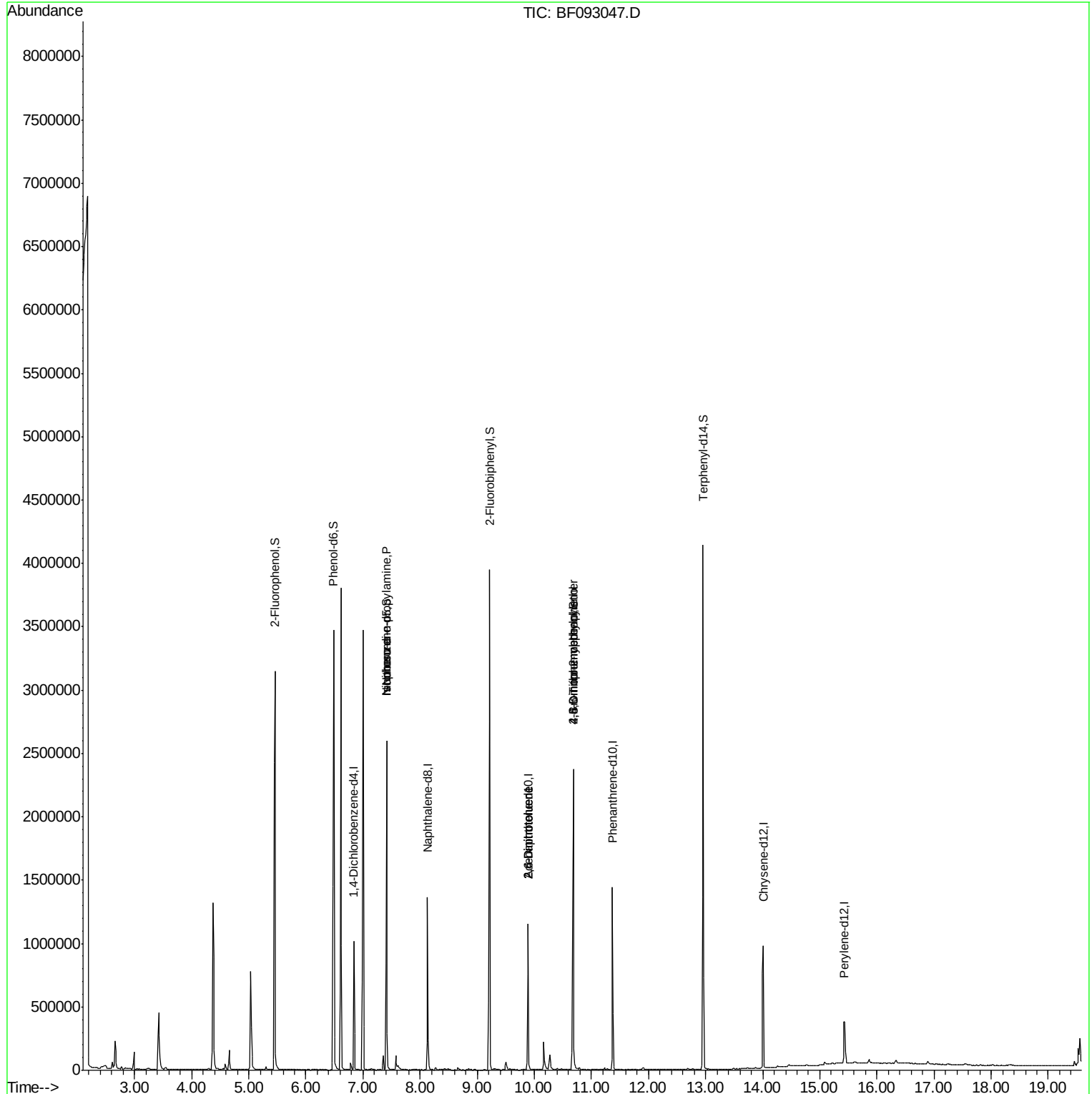
Quant Time: Feb 21 00:23:24 2017

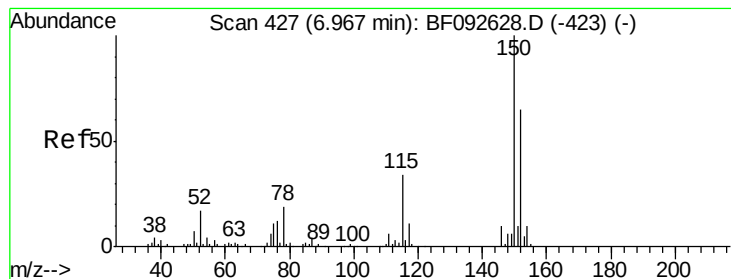
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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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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BNA_F

ClientSampleId :

SP-ABCD-COMP

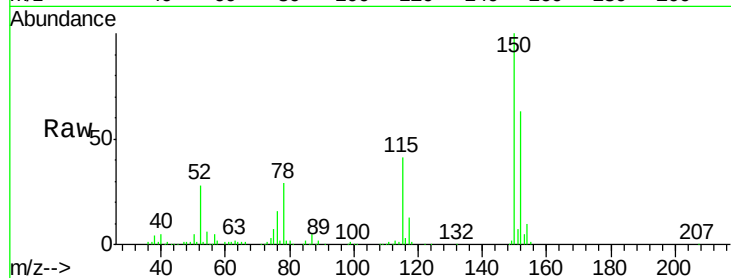
Tgt Ion:152 Resp: 154900

Ion Ratio Lower Upper

152 100

150 159.4 124.9 187.3

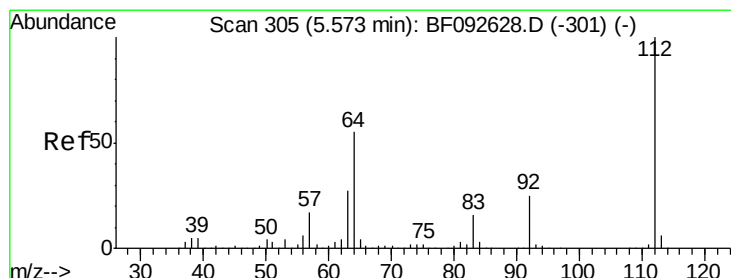
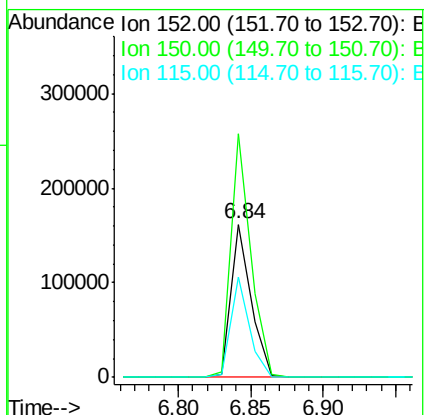
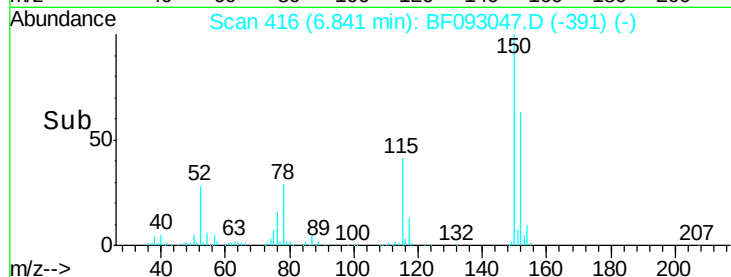
115 65.5 46.0 69.0



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: 127.40 ng

RT: 5.46 min Scan# 295

Delta R.T. 0.01 min

Lab File: BF093047.D

Acq: 20 Feb 2017 23:54

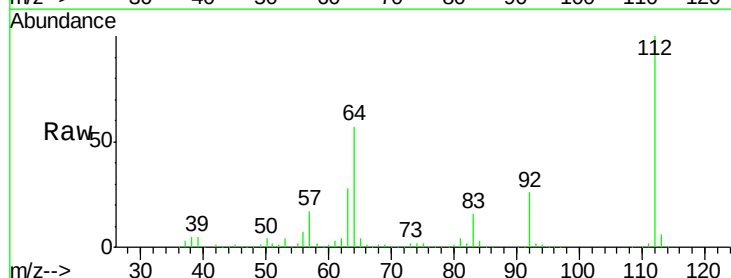
Tgt Ion:112 Resp: 1150296

Ion Ratio Lower Upper

112 100

64 56.6 46.1 69.1

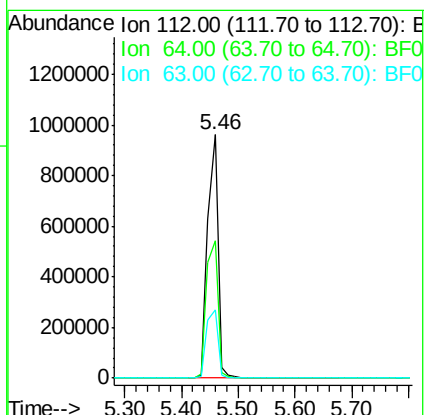
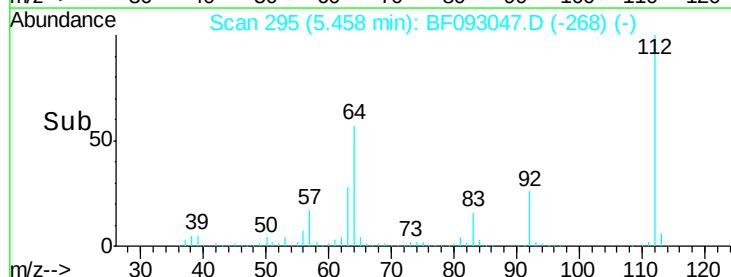
63 28.0 23.8 35.6

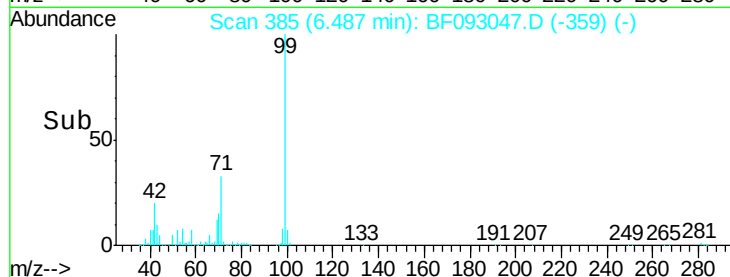
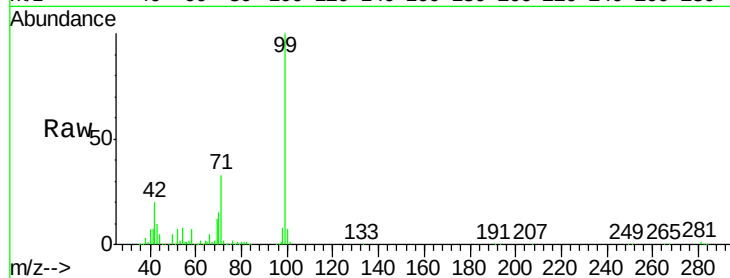
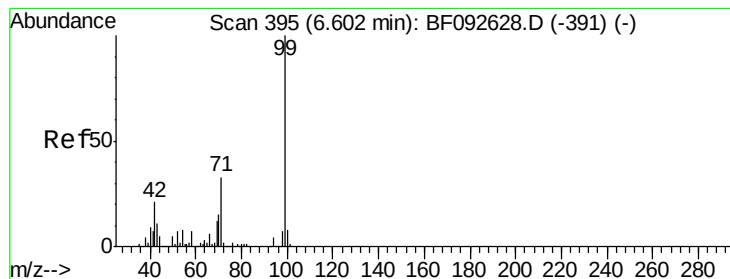


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.05 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF093047.D

Acq: 20 Feb 2017 23:54

Instrument :

BNA_F

ClientSampleId :

SP-ABCD-COMP

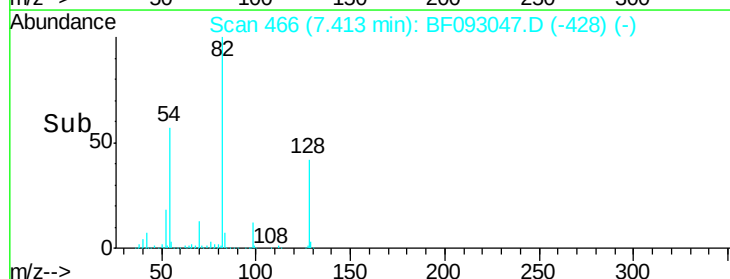
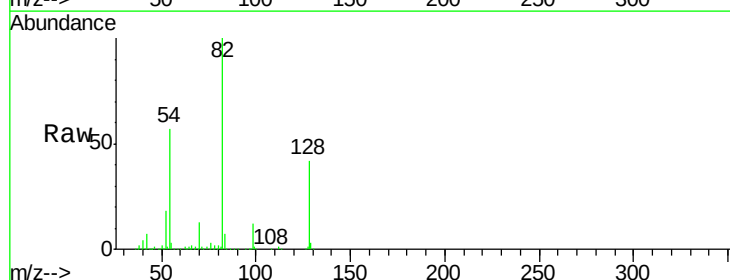
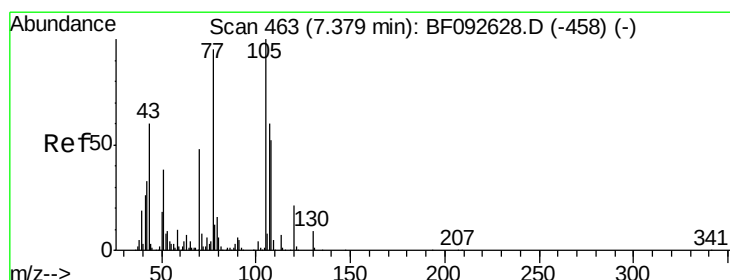
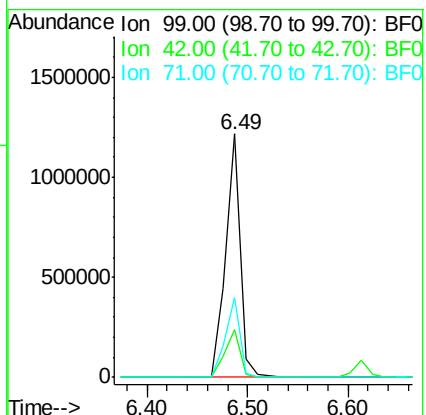
Tgt Ion: 99 Resp: 1231997

Ion Ratio Lower Upper

99 100

42 19.7 15.6 23.4

71 32.9 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.83 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093047.D

Acq: 20 Feb 2017 23:54

Tgt Ion: 70 Resp: 117061

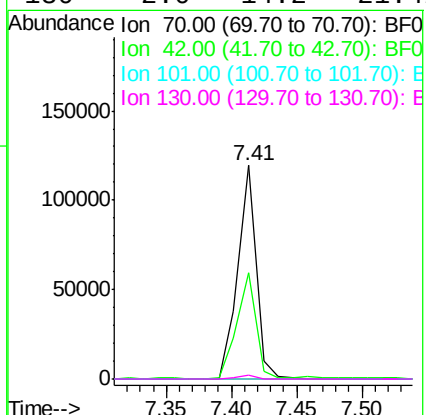
Ion Ratio Lower Upper

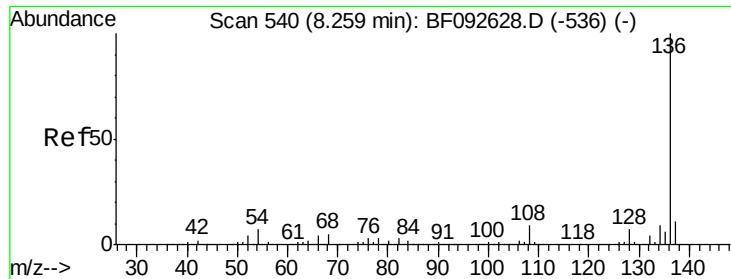
70 100

42 49.8 49.4 74.0

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#

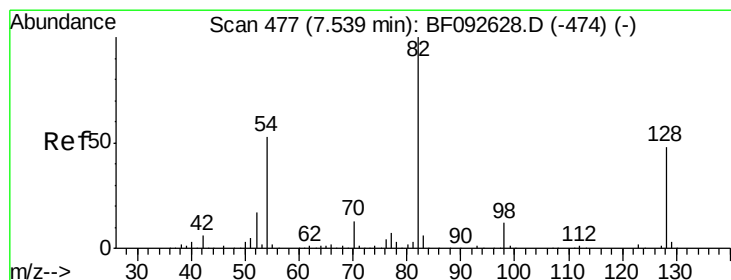
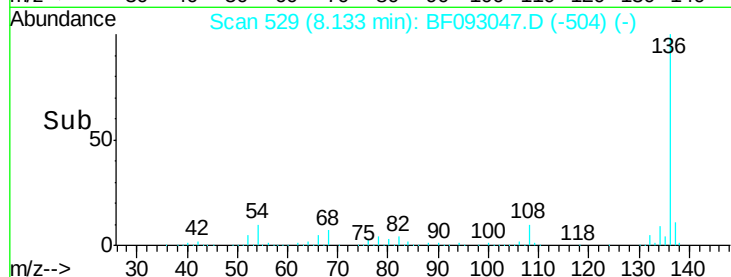
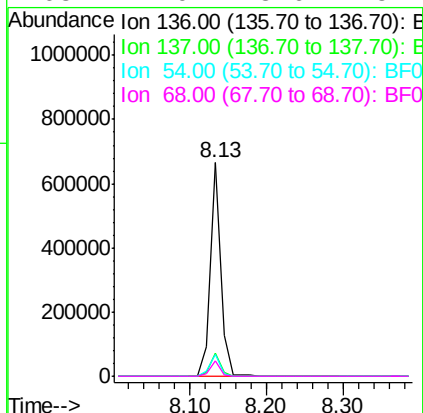
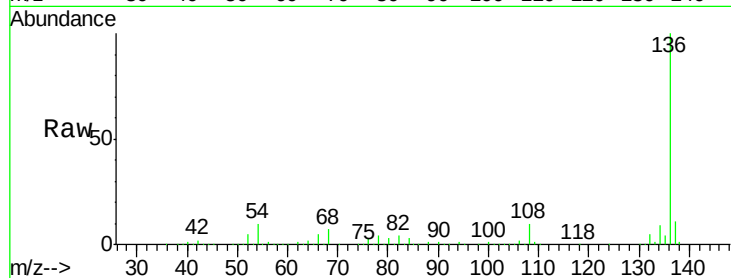




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093047.D
Acq: 20 Feb 2017 23:54

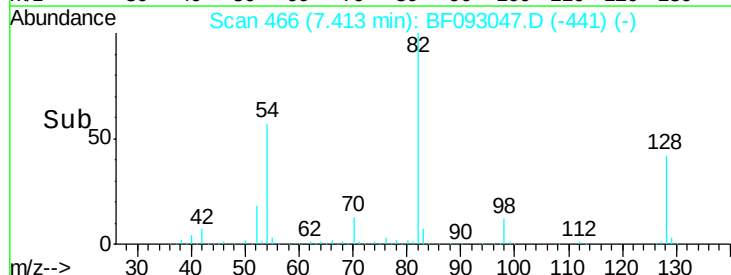
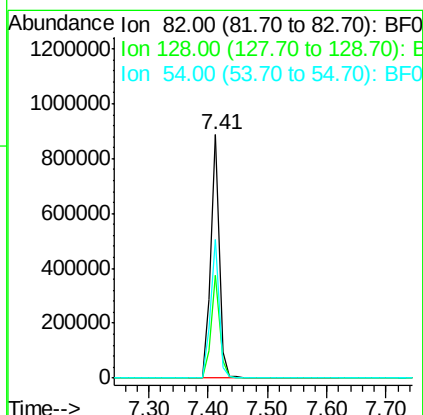
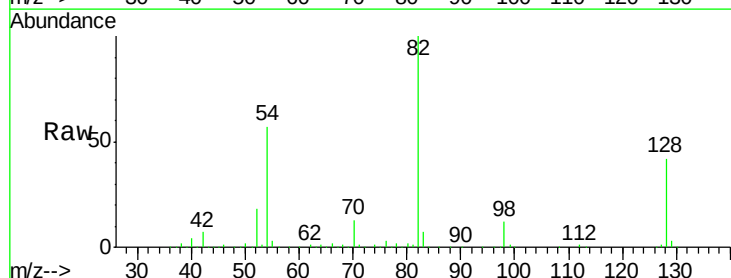
Instrument :
BNA_F
ClientSampleId :
SP-ABCD-COMP

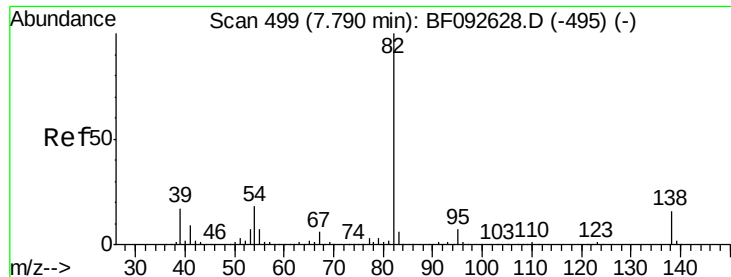
Tgt Ion:	136	Resp:	617655
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	10.2	4.5	6.7#
68	7.0	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 79.99 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093047.D
Acq: 20 Feb 2017 23:54

Tgt Ion:	82	Resp:	887229
Ion	Ratio	Lower	Upper
82	100		
128	42.0	34.6	52.0
54	57.1	39.5	59.3





#25

Isophorone

Concen: 33.39 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.27 min

Lab File: BF093047.D

Acq: 20 Feb 2017 23:54

Instrument :

BNA_F

ClientSampleId :

SP-ABCD-COMP

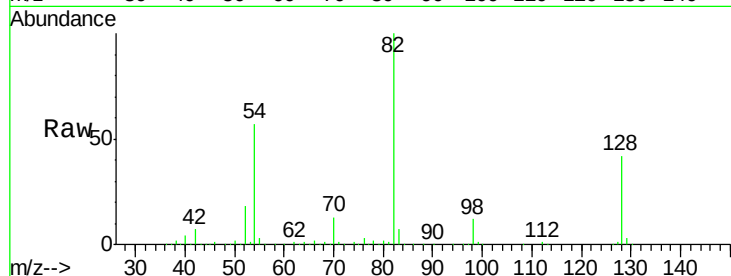
Tgt Ion: 82 Resp: 690102

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

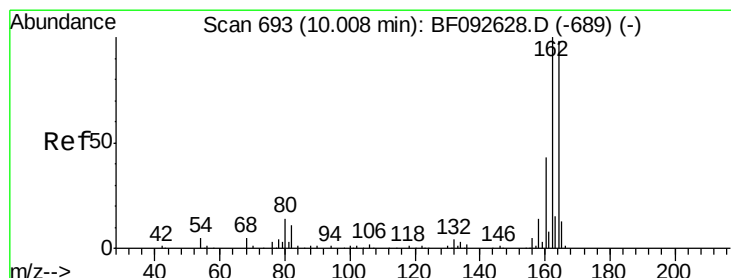
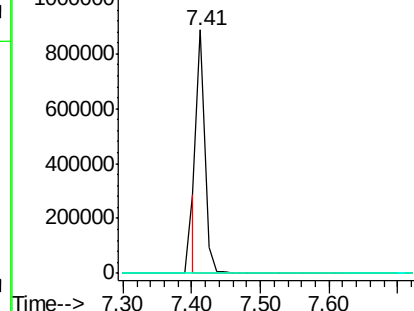
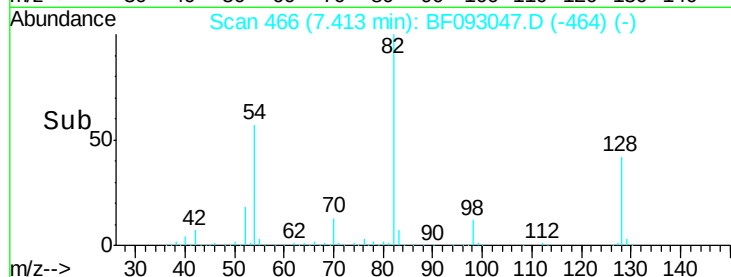
138 0.0 14.6 22.0#



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: 9.89 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF093047.D

Acq: 20 Feb 2017 23:54

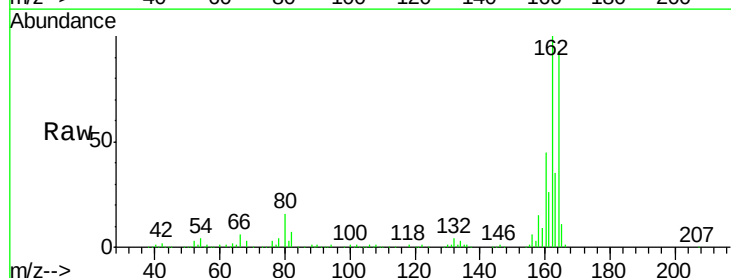
Tgt Ion: 164 Resp: 290855

Ion Ratio Lower Upper

164 100

162 107.2 80.2 120.2

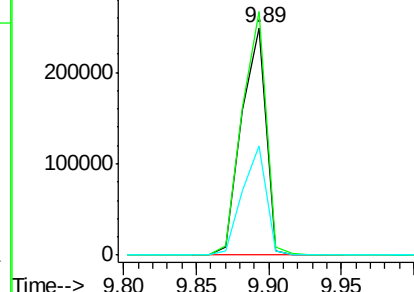
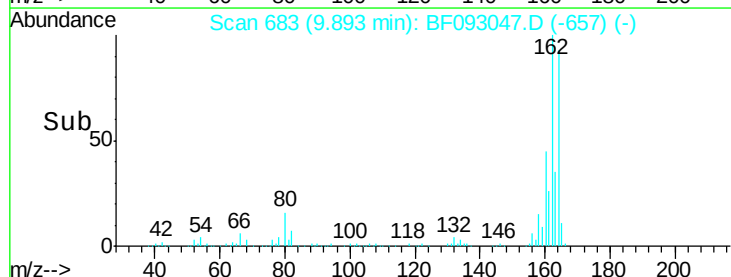
160 47.9 36.9 55.3

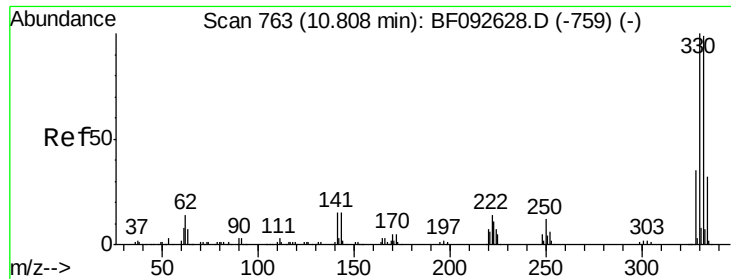


Abundance Ion 164.00 (163.70 to 164.70): BF0

Ion 162.00 (161.70 to 162.70): BF0

Ion 160.00 (159.70 to 160.70): BF0

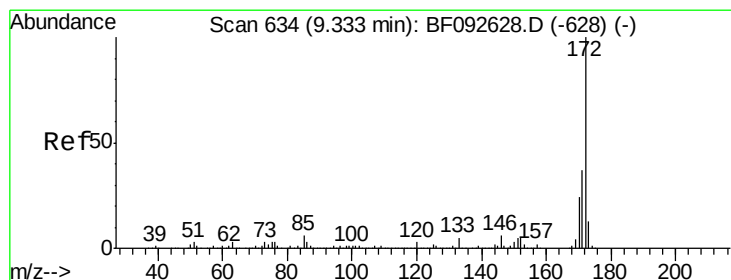
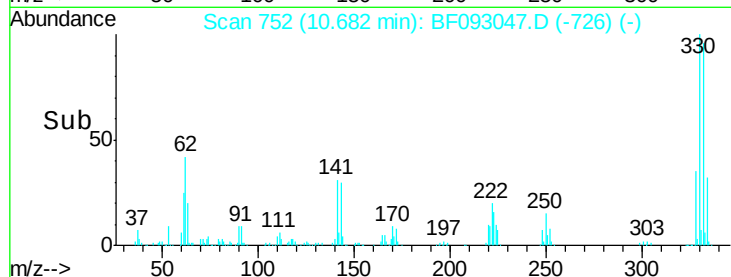
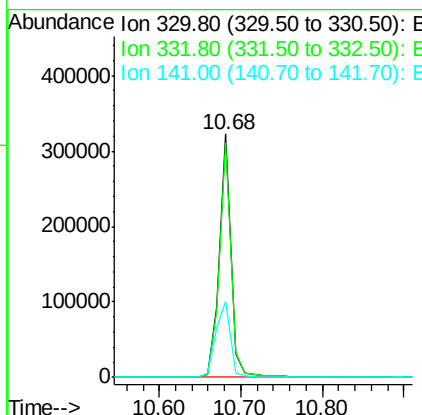
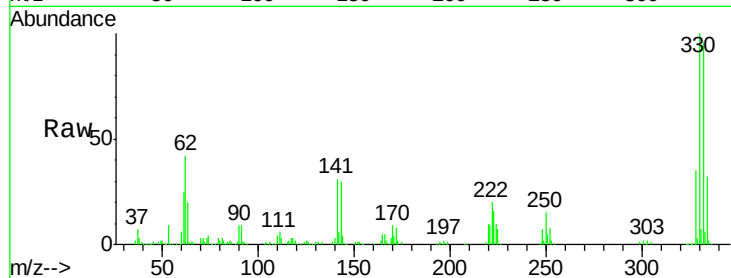




#41
 2,4,6-Tribromophenol
 Concen: 153.72 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093047.D
 Acq: 20 Feb 2017 23:54

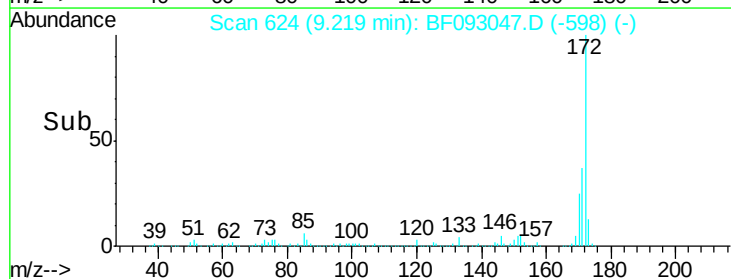
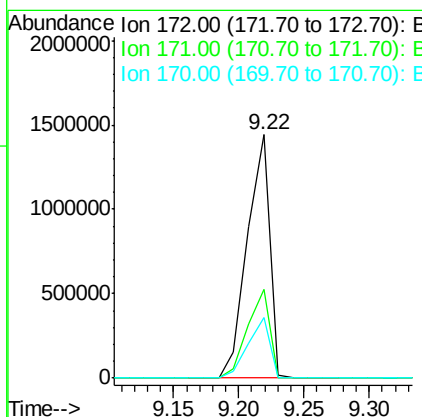
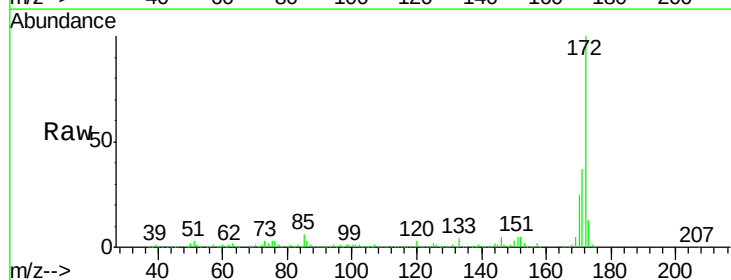
Instrument :
 BNA_F
 ClientSampleId :
 SP-ABCD-COMP

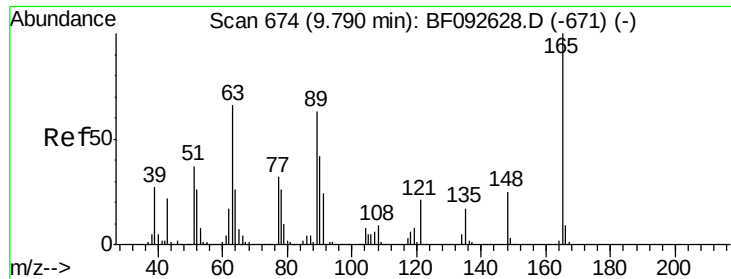
Tgt Ion:330 Resp: 323372
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.4 116.2
 141 39.1 34.1 51.1



#44
 2-Fluorobiphenyl
 Concen: 107.99 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF093047.D
 Acq: 20 Feb 2017 23:54

Tgt Ion:172 Resp: 1733796
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.0
 170 24.7 20.2 30.4

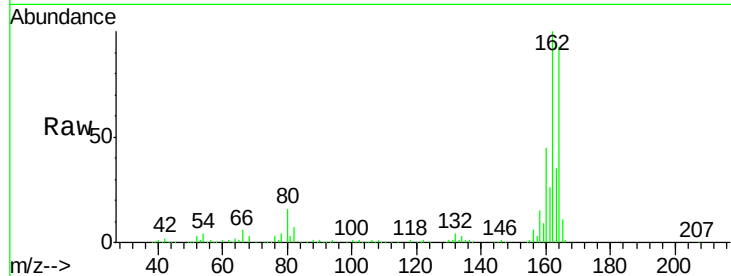




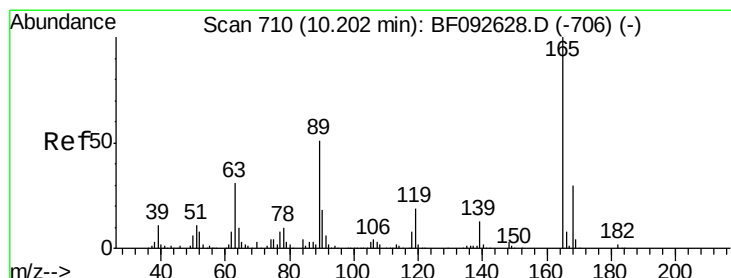
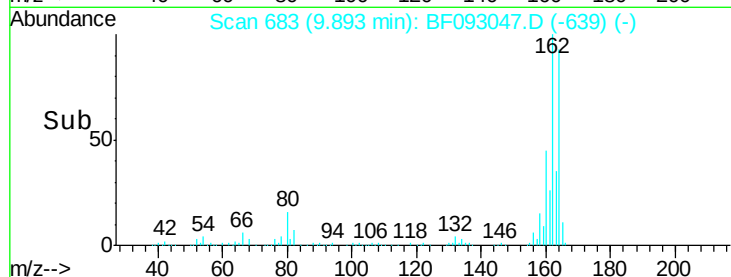
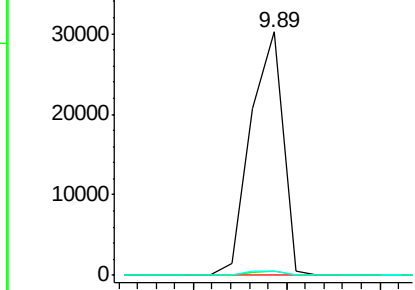
#50
 2,6-Dinitrotoluene
 Concen: 8.60 ng
 RT: 9.89 min Scan# 683
 Delta R.T. 0.21 min
 Lab File: BF093047.D
 Acq: 20 Feb 2017 23:54

Instrument :
 BNA_F
 ClientSampleId :
 SP-ABCD-COMP

Tgt Ion:165 Resp: 36368
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.2 54.4#
 89 1.9 40.2 60.4#



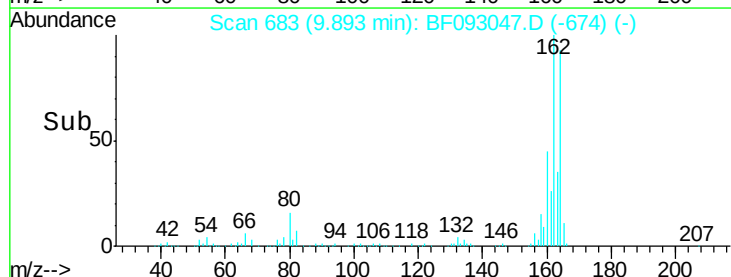
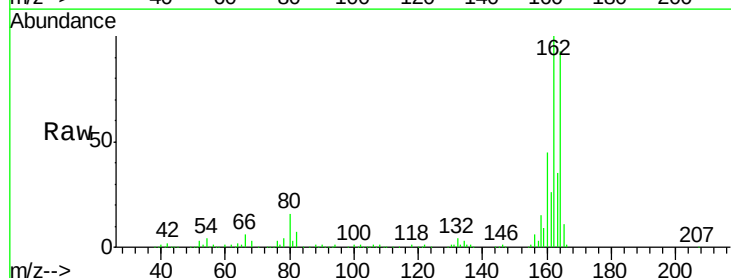
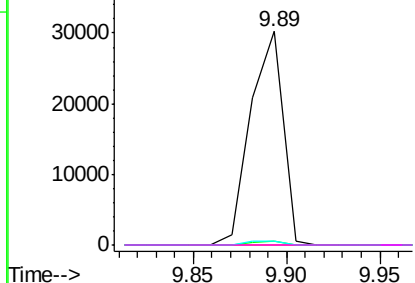
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

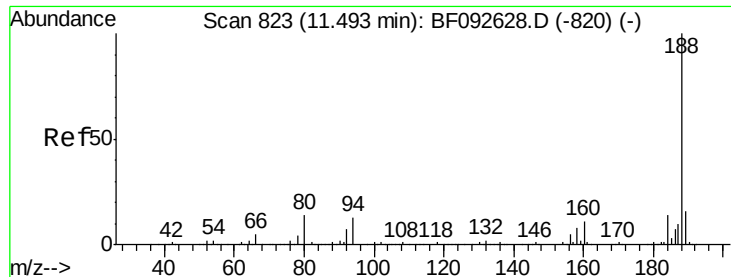


#56
 2,4-Dinitrotoluene
 Concen: 6.46 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.19 min
 Lab File: BF093047.D
 Acq: 20 Feb 2017 23:54

Tgt Ion:165 Resp: 36368
 Ion Ratio Lower Upper
 165 100
 63 1.5 40.2 60.4#
 89 1.9 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

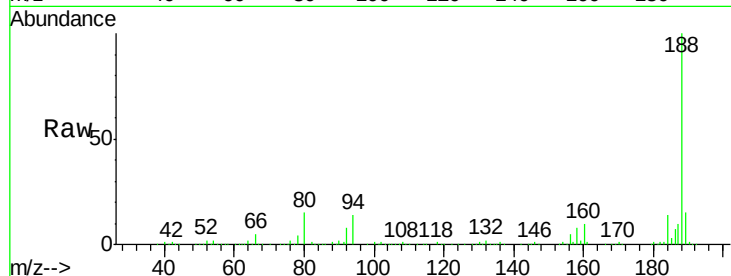




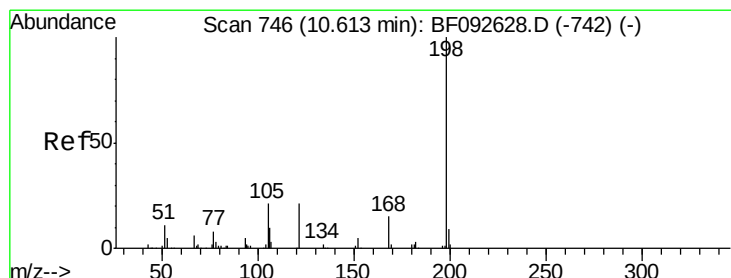
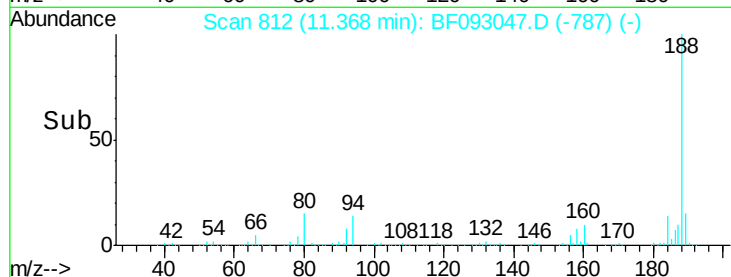
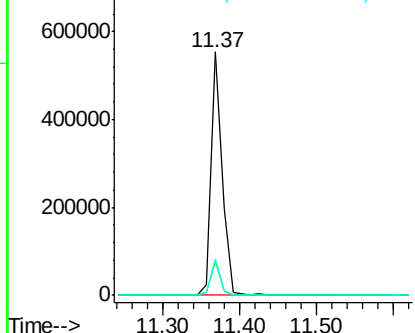
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF093047.D
Acq: 20 Feb 2017 23:54

Instrument :
BNA_F
ClientSampleId :
SP-ABCD-COMP

Tgt Ion:188 Resp: 544392
Ion Ratio Lower Upper
188 100
94 13.9 10.0 15.0
80 14.8 11.2 16.8

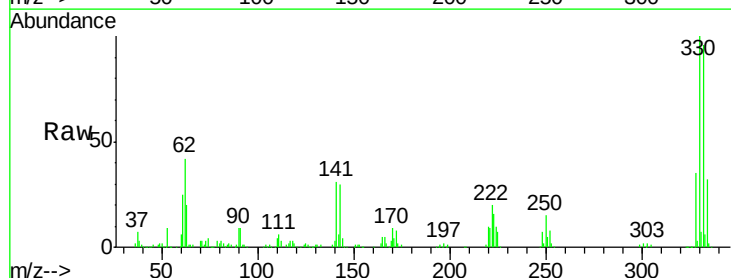


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

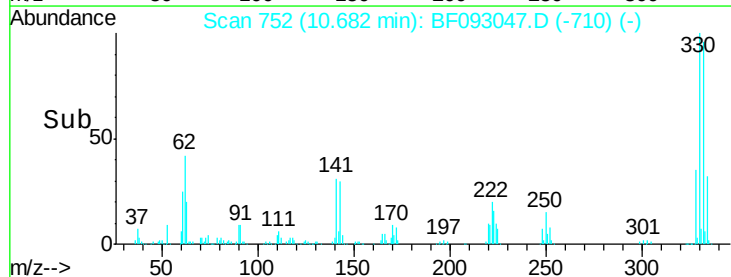
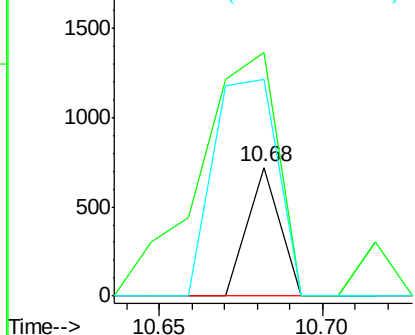


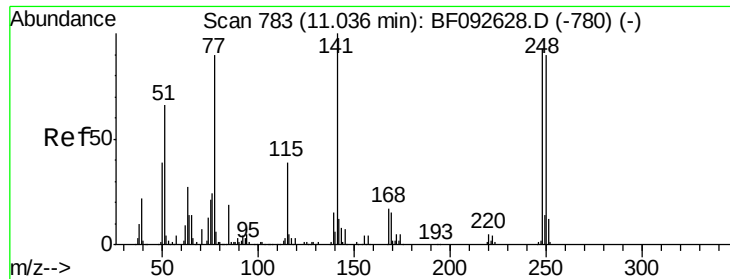
#64
4,6-Dinitro-2-methylphenol
Concen: 2.81 ng
RT: 10.68 min Scan# 752
Delta R.T. 0.18 min
Lab File: BF093047.D
Acq: 20 Feb 2017 23:54

Tgt Ion:198 Resp: 495
Ion Ratio Lower Upper
198 100
51 188.9 6.7 46.7#
105 168.3 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

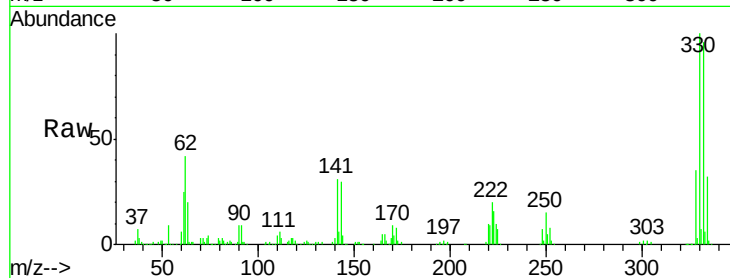




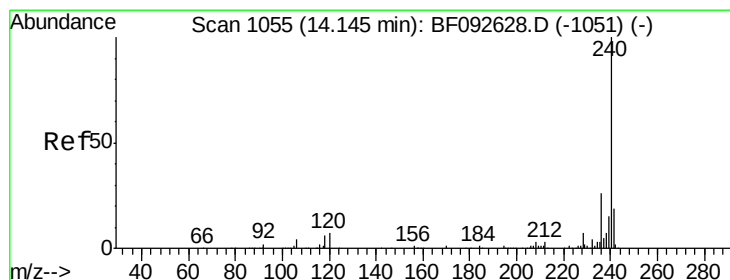
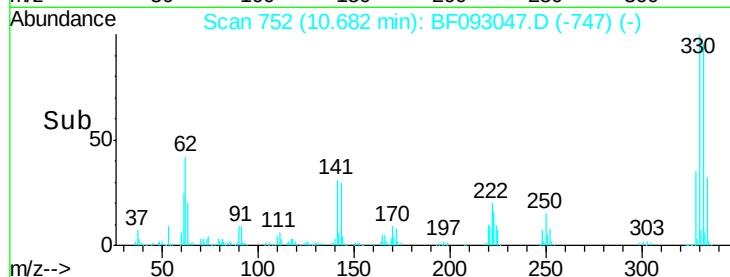
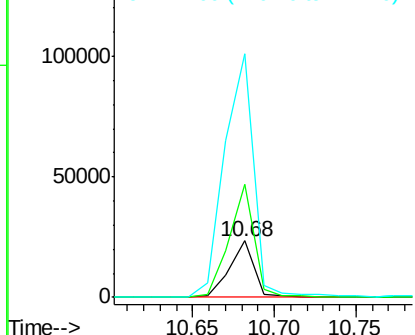
#66
 4-Bromophenyl-phenylether
 Concen: 4.28 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.24 min
 Lab File: BF093047.D
 Acq: 20 Feb 2017 23:54

Instrument :
 BNA_F
 ClientSampleId :
 SP-ABCD-COMP

Tgt Ion:248 Resp: 24315
 Ion Ratio Lower Upper
 248 100
 250 200.7 76.9 115.3#
 141 431.4 68.2 102.4#

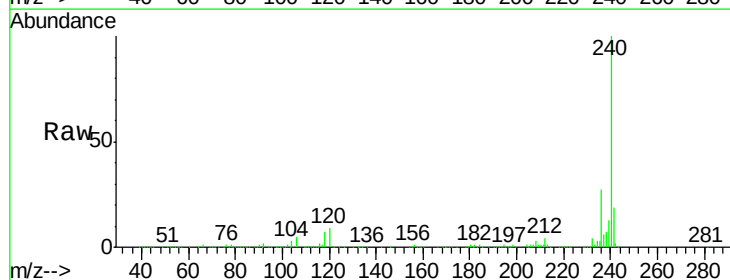


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

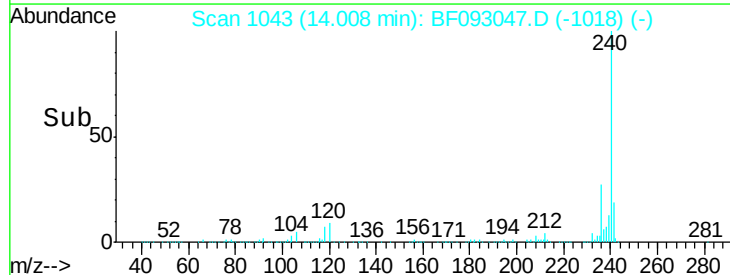
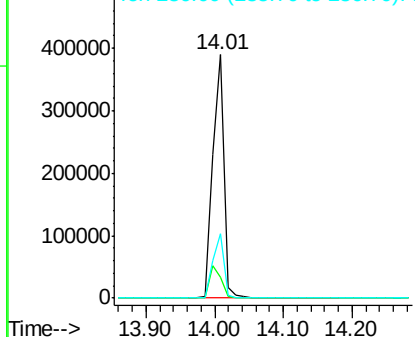


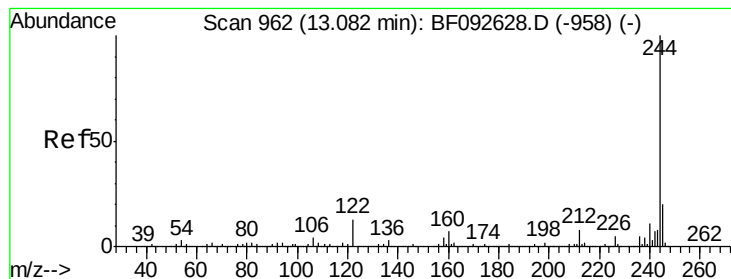
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BF093047.D
 Acq: 20 Feb 2017 23:54

Tgt Ion:240 Resp: 447835
 Ion Ratio Lower Upper
 240 100
 120 8.6 12.9 19.3#
 236 26.6 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: 73.01 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093047.D

Acq: 20 Feb 2017 23:54

Instrument :

BNA_F

ClientSampleId :

SP-ABCD-COMP

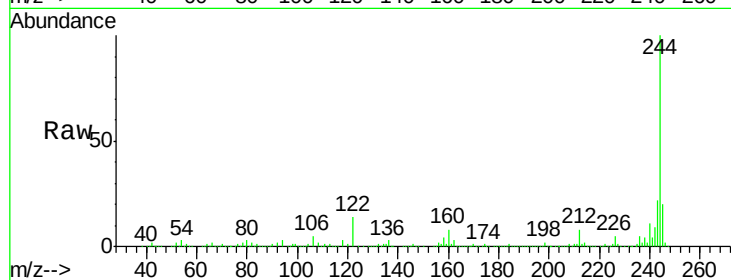
Tgt Ion:244 Resp: 1391482

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

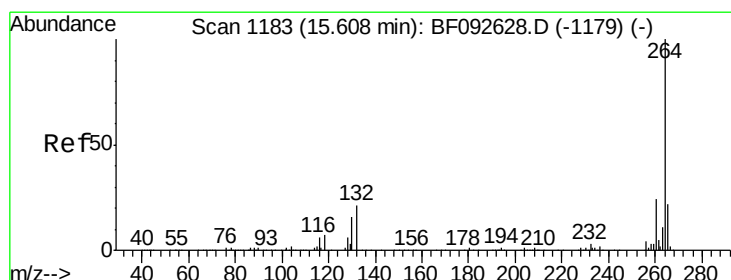
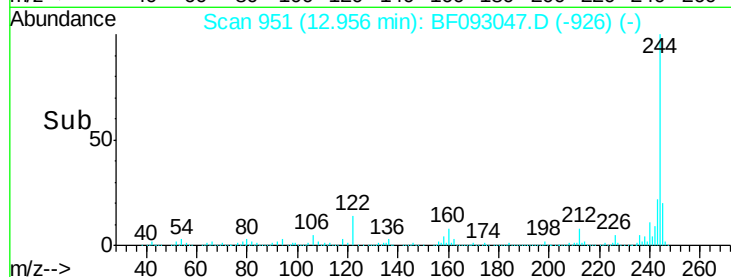
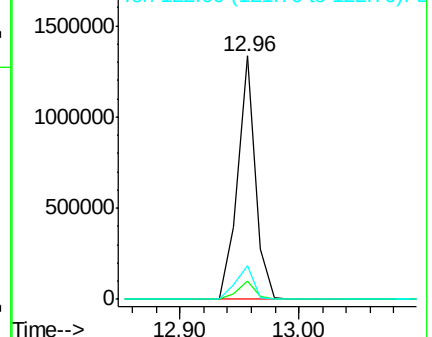
122 13.6 11.4 17.2



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: 15.43 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BF093047.D

Acq: 20 Feb 2017 23:54

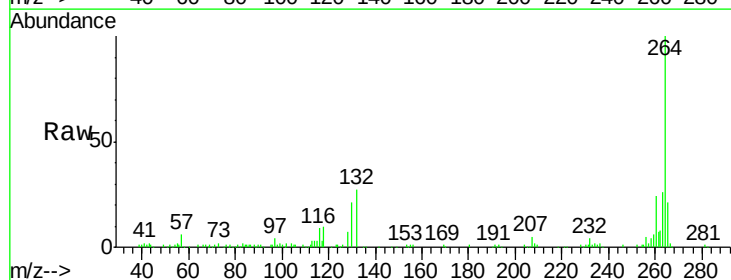
Tgt Ion:264 Resp: 151034

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.5 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

