

Data File : BF093048.D
Acq On : 21 Feb 2017 00:22
Operator : SJ/MA
Sample : I1913-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-EFGH-COMP

Quant Time: Feb 21 02:30:01 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	150665	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	599989	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	297172	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	527611	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	439392	20.00	ng	-0.01
86) Perylene-d12	15.44	264	316244	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1089985	124.12	ng	0.00
7) Phenol-d6	6.49	99	1252728	110.87	ng	0.00
23) Nitrobenzene-d5	7.41	82	881384	81.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	301169	140.12	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1678628	102.34	ng	0.00
78) Terphenyl-d14	12.96	244	1474199	78.83	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	115563	16.07	ng	# 82
25) Isophorone	7.41	82	744687	37.09	ng	# 65
50) 2,6-Dinitrotoluene	9.89	165	39135	9.05	ng	# 32
53) 2,4-Dinitrophenol	9.95	184	226	4.83	ng	# 30
56) 2,4-Dinitrotoluene	9.89	165	39136	6.80	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.68	198	558	2.83	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	23196	4.21	ng	# 1

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

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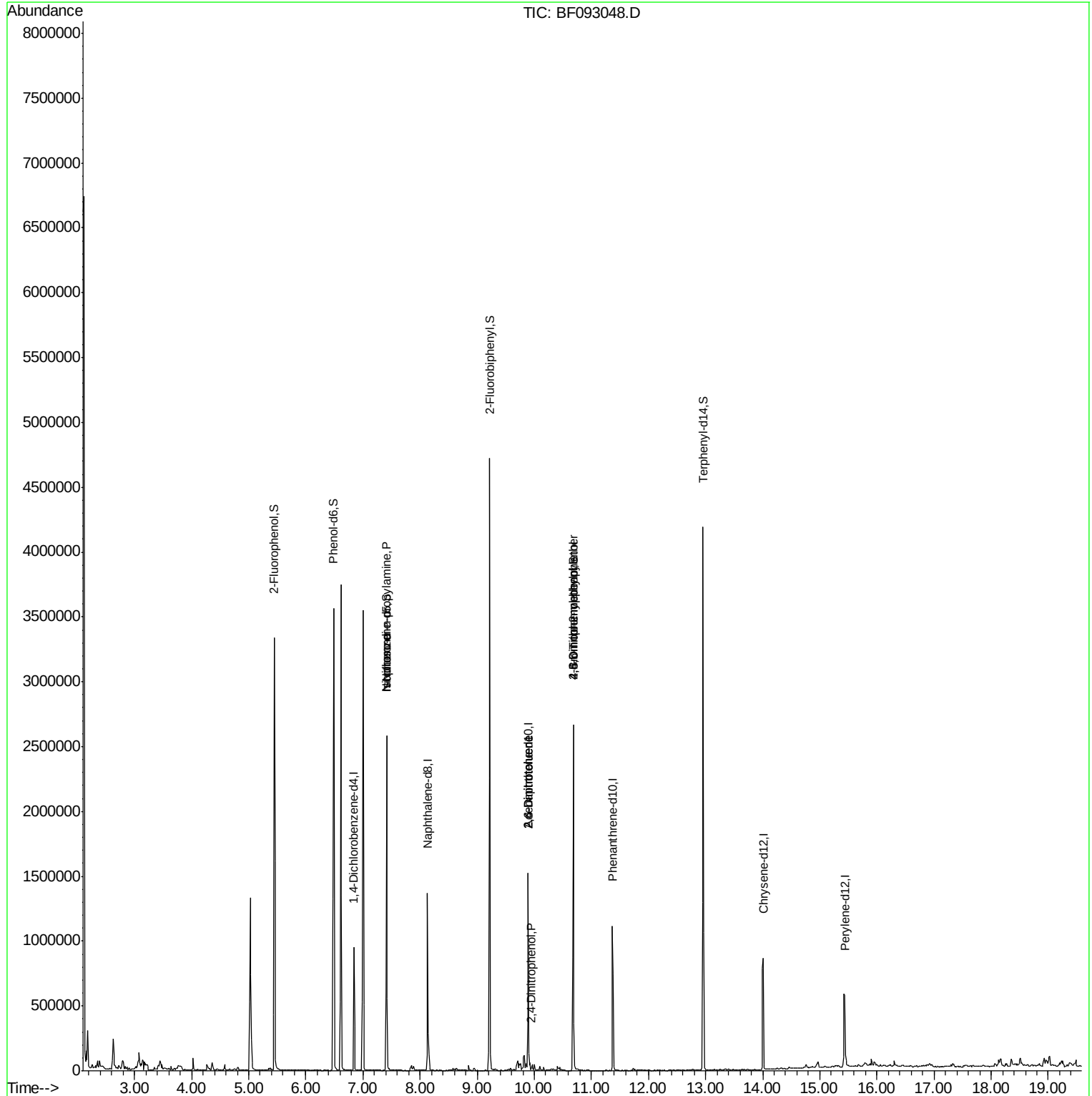
Quant Time: Feb 21 02:30:01 2017

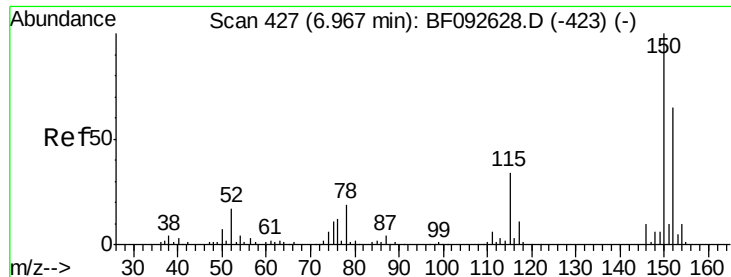
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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 :

SP-EFGH-COMP

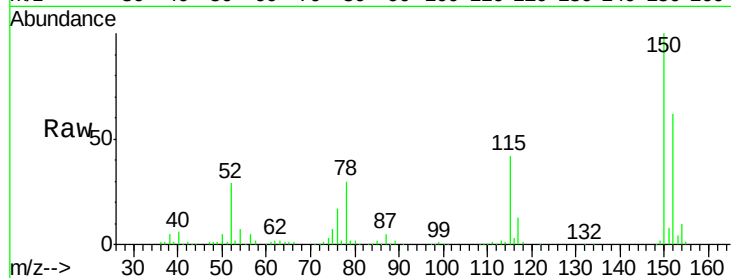
Tgt Ion:152 Resp: 150665

Ion Ratio Lower Upper

152 100

150 161.6 124.9 187.3

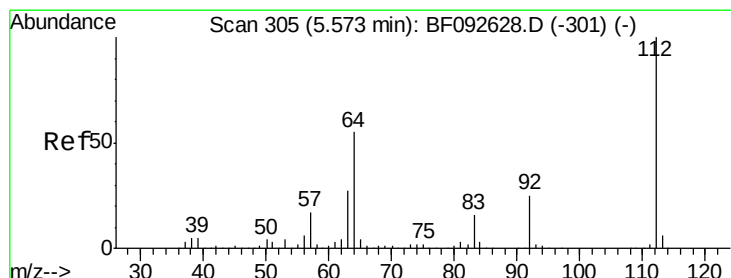
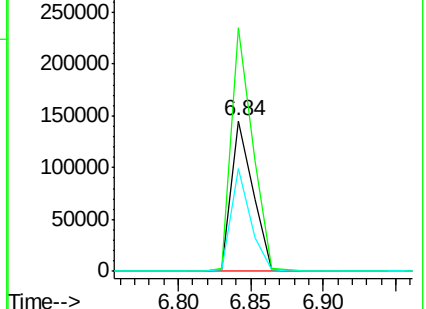
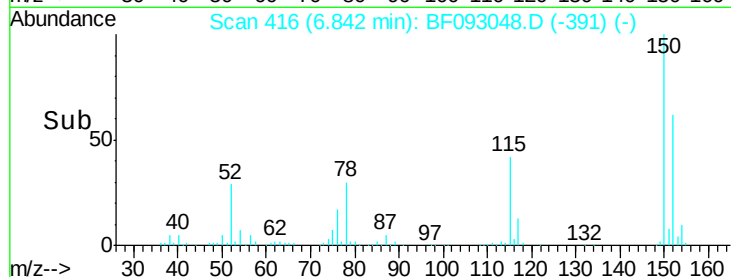
115 68.2 46.0 69.0



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: 124.12 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.00 min

Lab File: BF093048.D

Acq: 21 Feb 2017 00:22

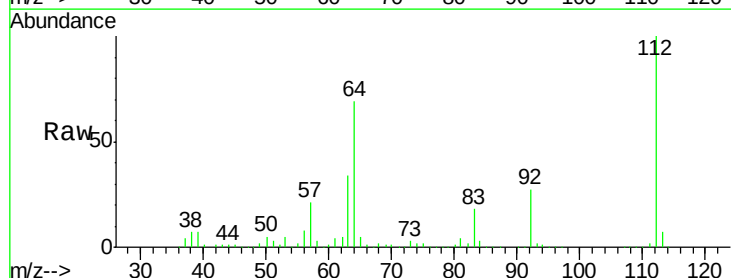
Tgt Ion:112 Resp: 1089985

Ion Ratio Lower Upper

112 100

64 69.0 46.1 69.1

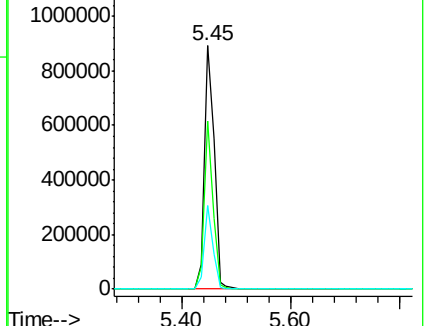
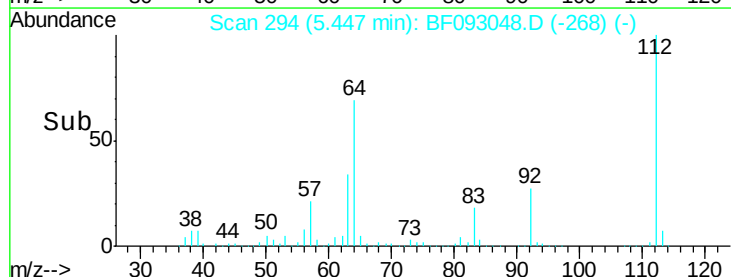
63 34.2 23.8 35.6

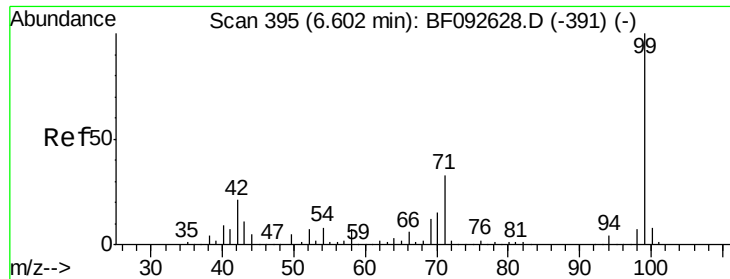


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 110.87 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

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Acq: 21 Feb 2017 00:22

Instrument :

BNA_F

ClientSampleId :

SP-EFGH-COMP

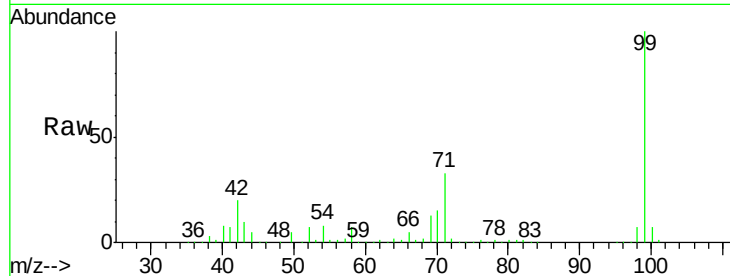
Tgt Ion: 99 Resp: 1252728

Ion Ratio Lower Upper

99 100

42 20.0 15.6 23.4

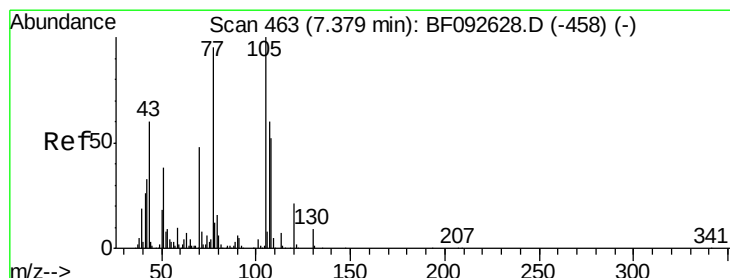
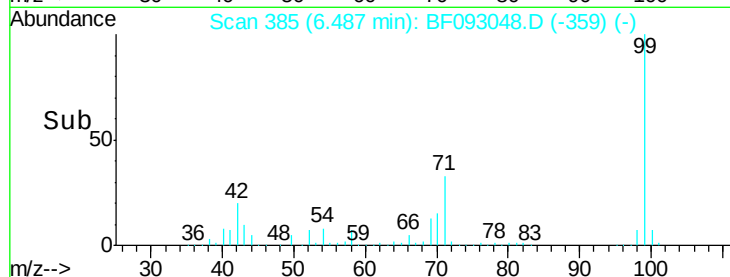
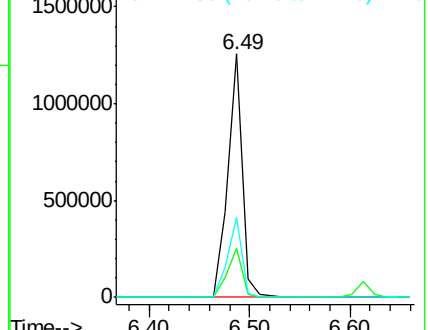
71 32.9 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.07 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093048.D

Acq: 21 Feb 2017 00:22

Tgt Ion: 70 Resp: 115563

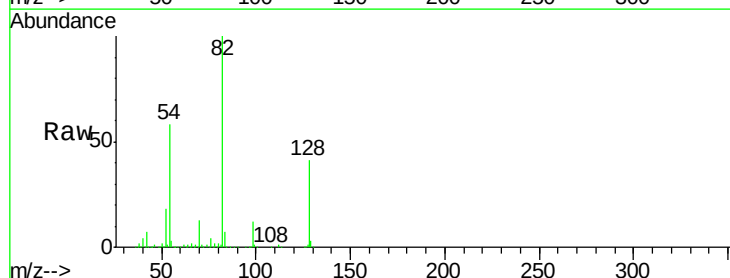
Ion Ratio Lower Upper

70 100

42 52.3 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

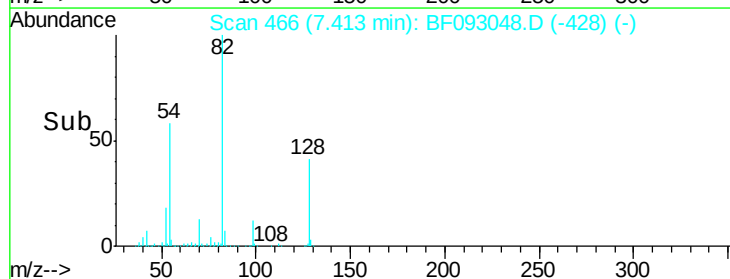
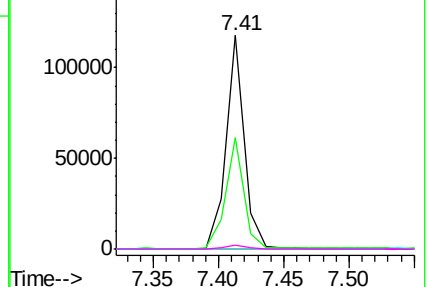


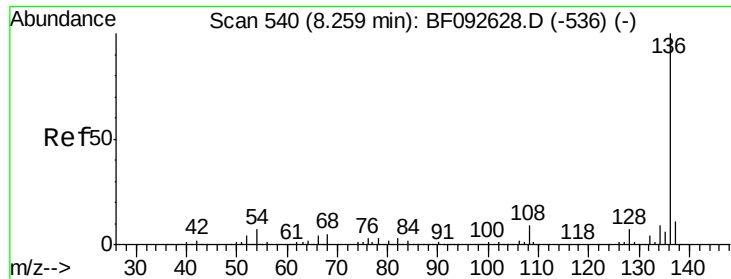
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

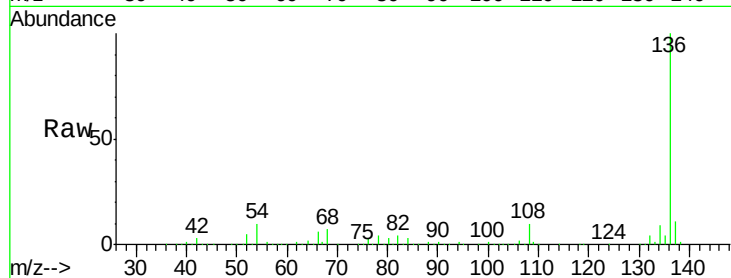




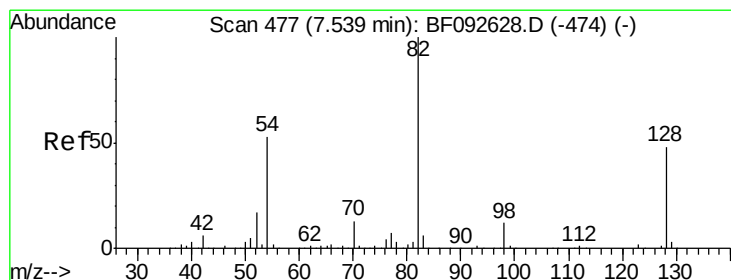
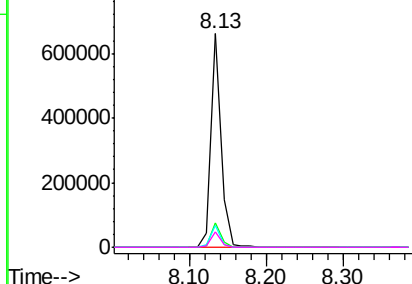
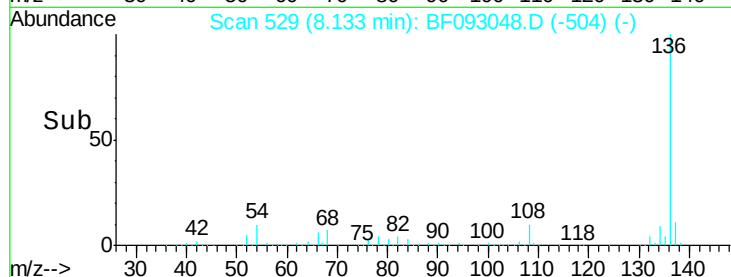
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093048.D
Acq: 21 Feb 2017 00:22

Instrument :
BNA_F
ClientSampleId :
SP-EFGH-COMP

Tgt Ion:	136	Resp:	599989
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	10.4	4.5	6.7#
68	7.3	3.6	5.4#

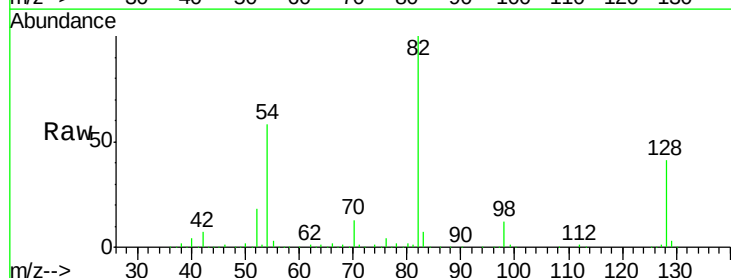


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

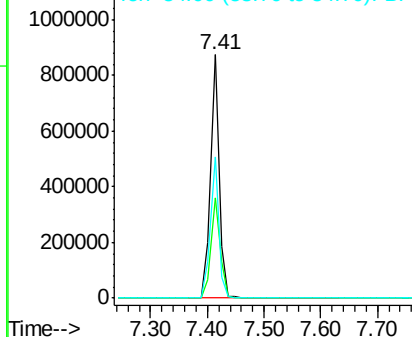
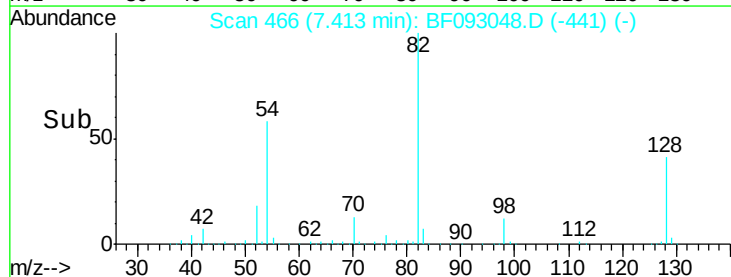


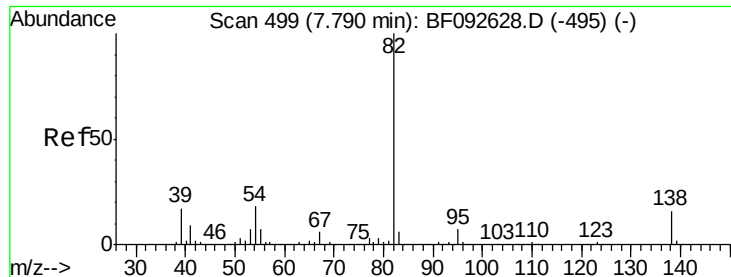
#23
Nitrobenzene-d5
Concen: 81.80 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093048.D
Acq: 21 Feb 2017 00:22

Tgt Ion:	82	Resp:	881384
Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.6	52.0
54	58.1	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: 37.09 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.27 min

Lab File: BF093048.D

Acq: 21 Feb 2017 00:22

Instrument :

BNA_F

ClientSampleId :

SP-EFGH-COMP

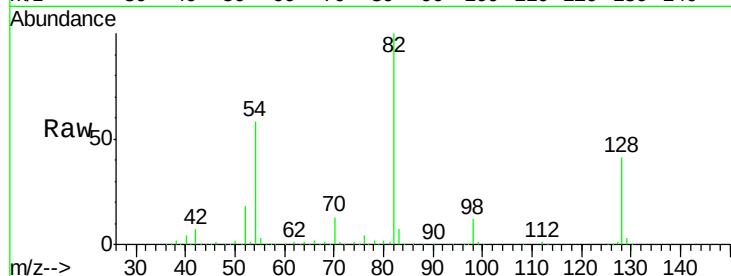
Tgt Ion: 82 Resp: 744687

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

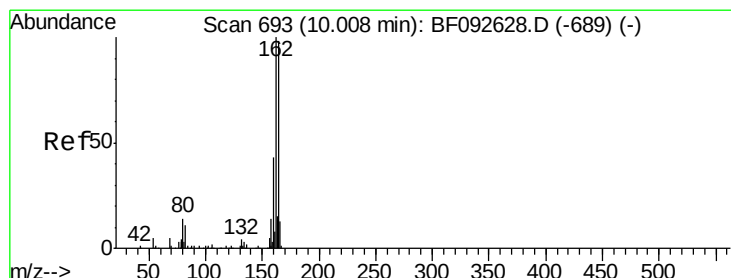
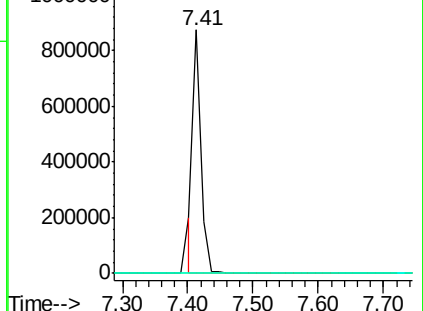
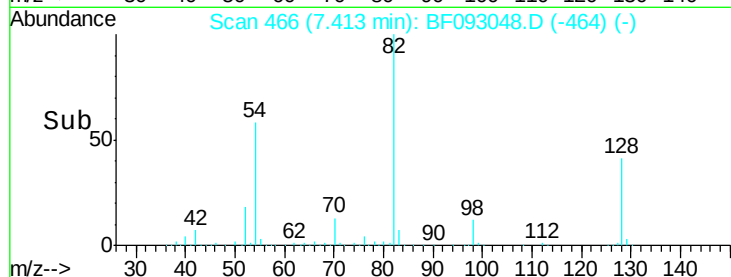
138 0.0 14.6 22.0#



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: BF093048.D

Acq: 21 Feb 2017 00:22

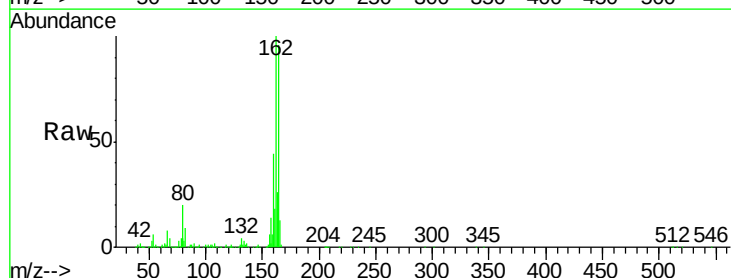
Tgt Ion: 164 Resp: 297172

Ion Ratio Lower Upper

164 100

162 104.2 80.2 120.2

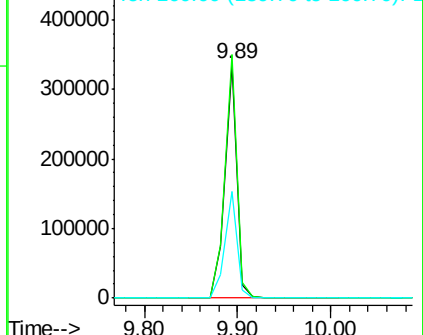
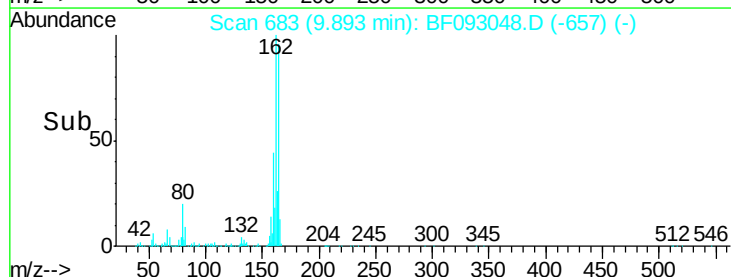
160 45.9 36.9 55.3

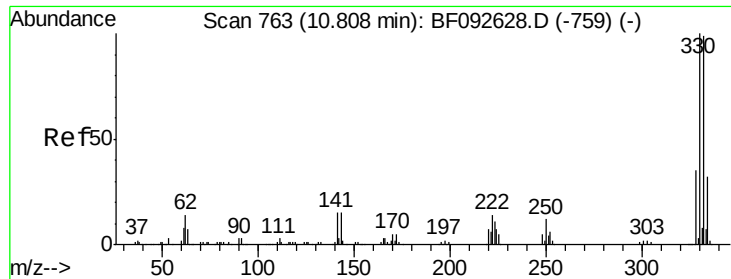


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

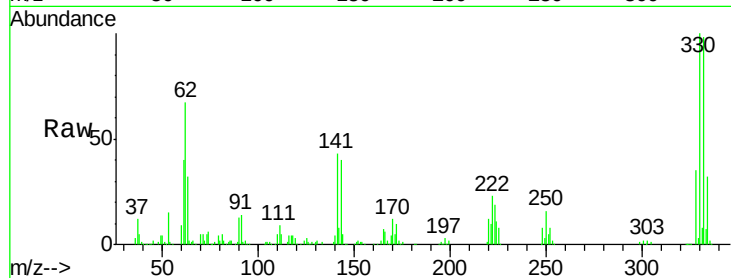




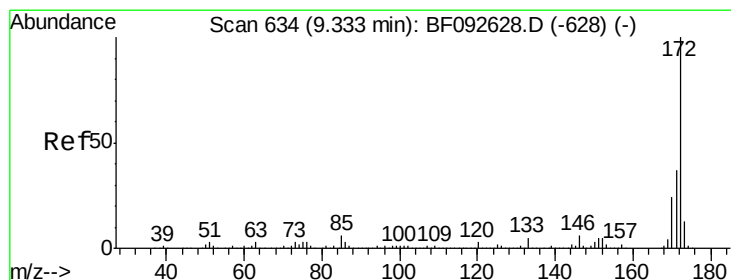
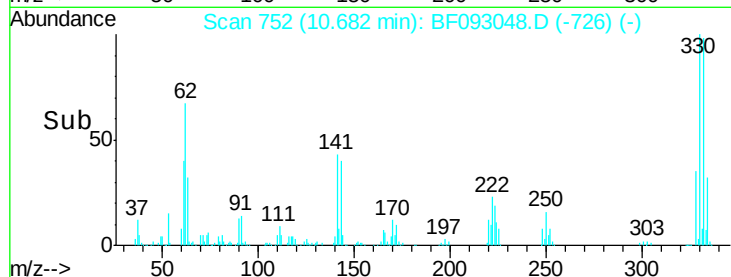
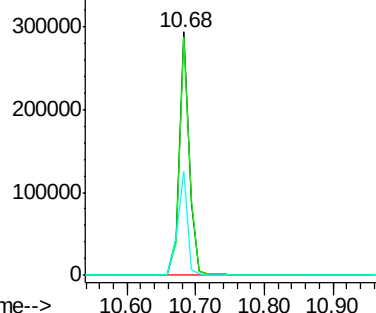
#41
 2,4,6-Tribromophenol
 Concen: 140.12 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093048.D
 Acq: 21 Feb 2017 00:22

Instrument :
 BNA_F
 ClientSampleId :
 SP-EFGH-COMP

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.4	116.2
141	41.3	34.1	51.1

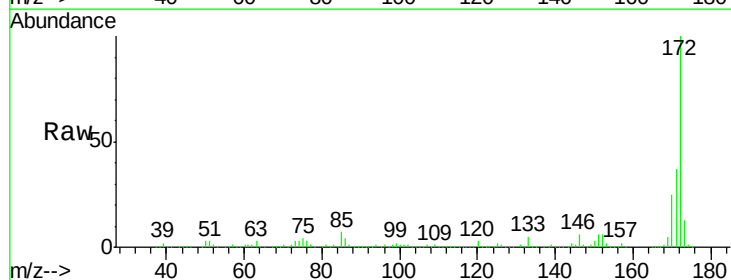


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

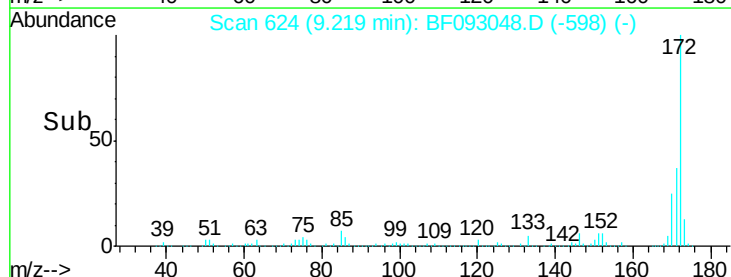
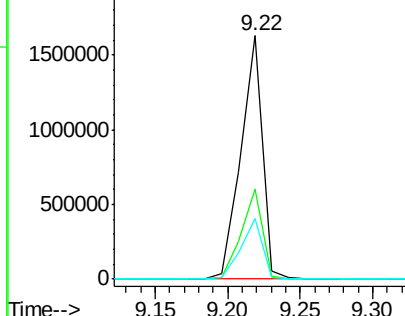


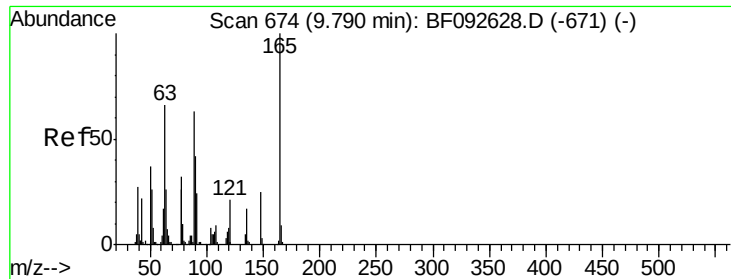
#44
 2-Fluorobiphenyl
 Concen: 102.34 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF093048.D
 Acq: 21 Feb 2017 00:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.4	44.0
170	24.7	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

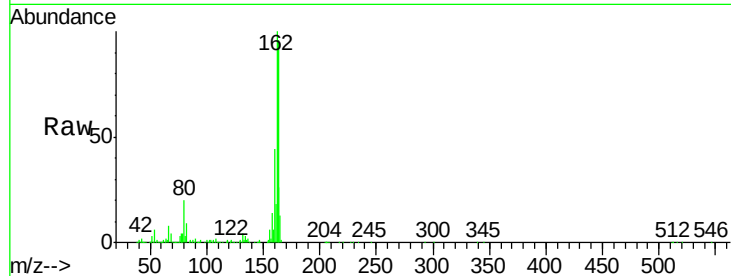




#50
2,6-Dinitrotoluene
Concen: 9.05 ng
RT: 9.89 min Scan# 683
Delta R.T. 0.21 min
Lab File: BF093048.D
Acq: 21 Feb 2017 00:22

Instrument :
BNA_F
ClientSampleId :
SP-EFGH-COMP

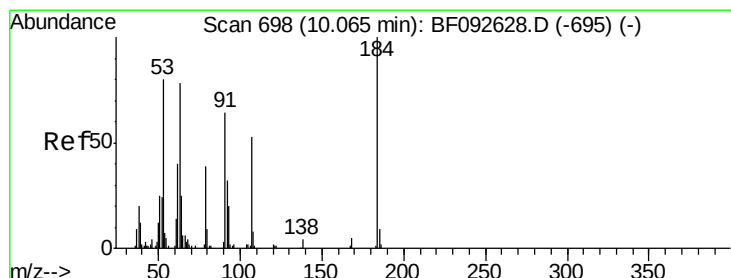
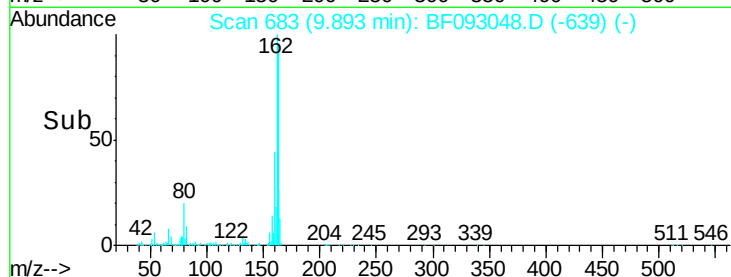
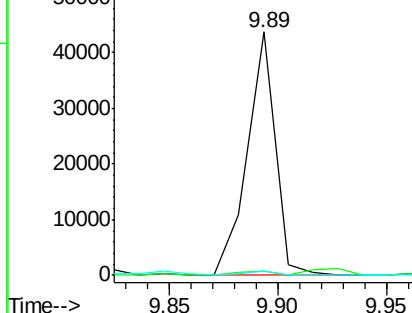
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.2	54.4#
89	1.9	40.2	60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

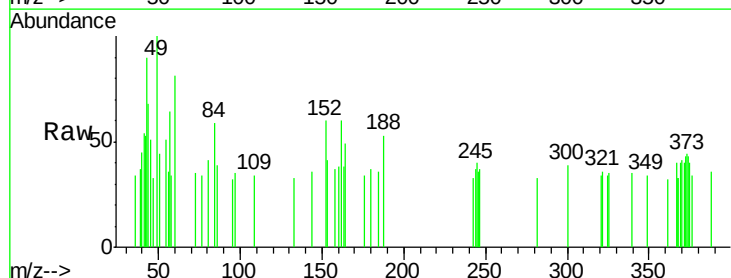
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#53
2,4-Dinitrophenol
Concen: 4.83 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF093048.D
Acq: 21 Feb 2017 00:22

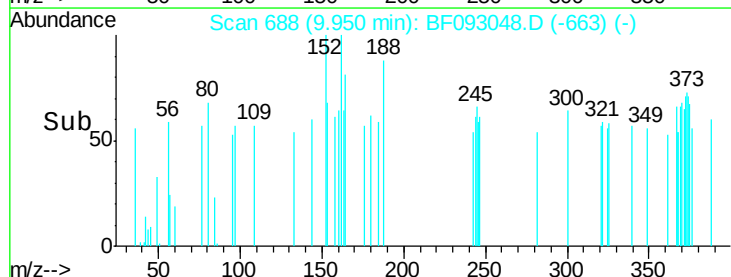
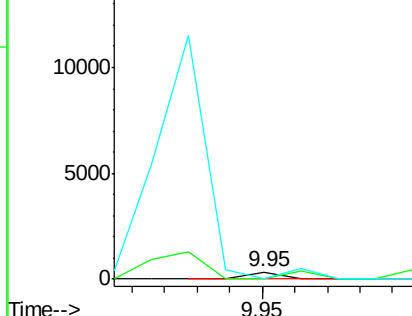
Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	28.4	42.6#
154	0.0	44.3	66.5#

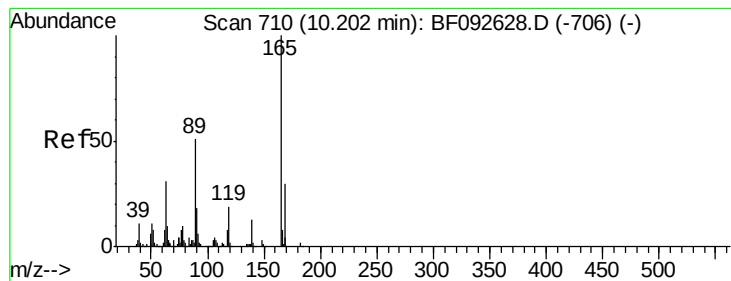


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#56

2,4-Dinitrotoluene

Concen: 6.80 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.19 min

Lab File: BF093048.D

Acq: 21 Feb 2017 00:22

Instrument :

BNA_F

ClientSampleId :

SP-EFGH-COMP

Tgt Ion:165 Resp: 39136

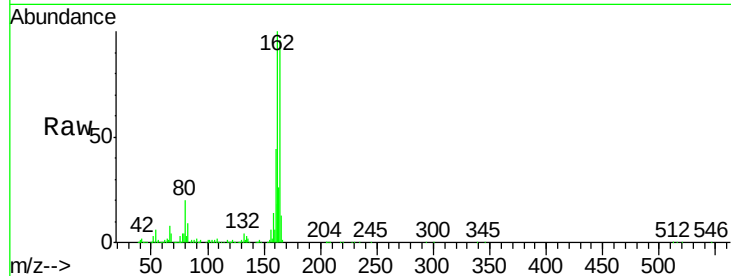
Ion Ratio Lower Upper

165 100

63 1.9 40.2 60.4#

89 1.9 62.5 93.7#

182 0.0 1.8 2.8#

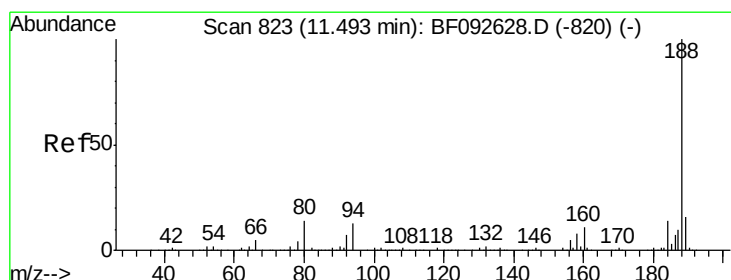
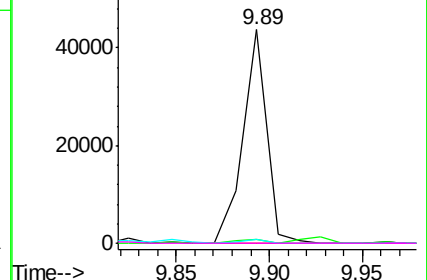
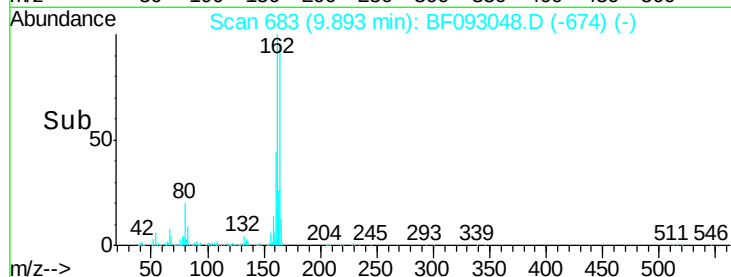


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF093048.D

Acq: 21 Feb 2017 00:22

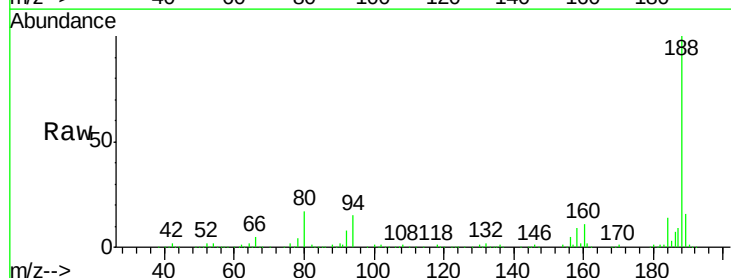
Tgt Ion:188 Resp: 527611

Ion Ratio Lower Upper

188 100

94 15.3 10.0 15.0#

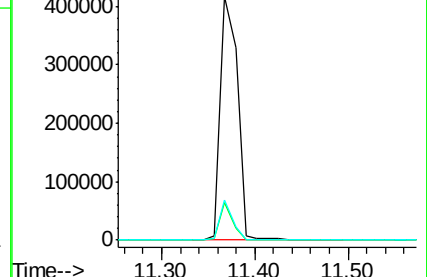
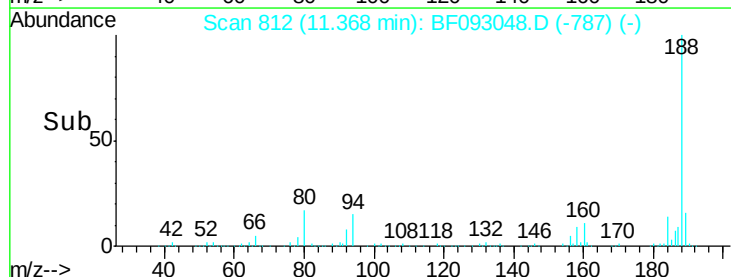
80 16.6 11.2 16.8

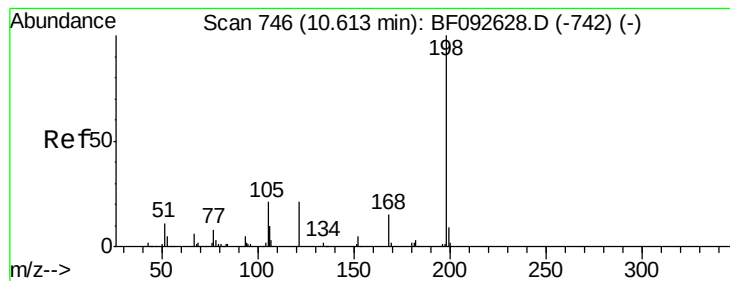


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.83 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.18 min

Lab File: BF093048.D

Acq: 21 Feb 2017 00:22

Instrument :

BNA_F

ClientSampleId :

SP-EFGH-COMP

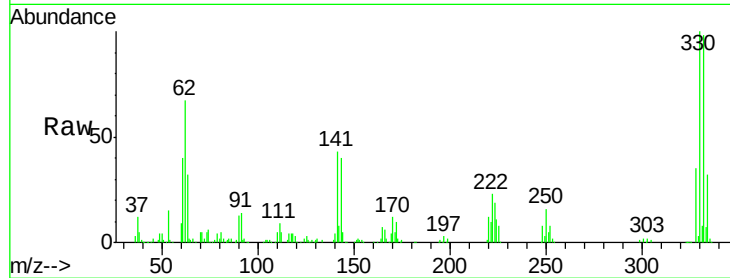
Tgt Ion:198 Resp: 558

Ion Ratio Lower Upper

198 100

51 181.7 6.7 46.7#

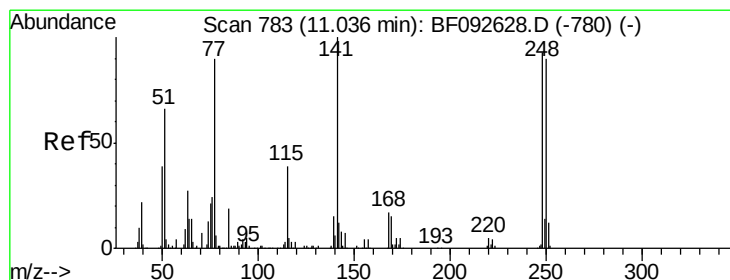
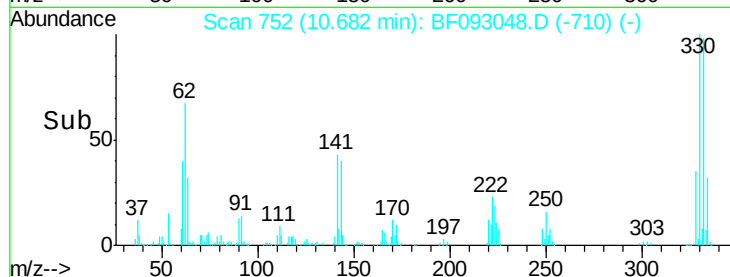
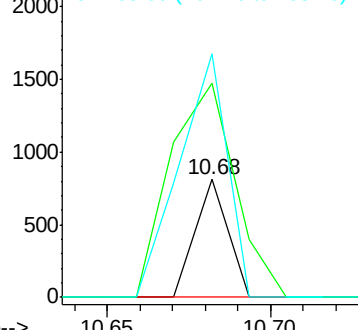
105 206.2 16.6 56.6#



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: 4.21 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.24 min

Lab File: BF093048.D

Acq: 21 Feb 2017 00:22

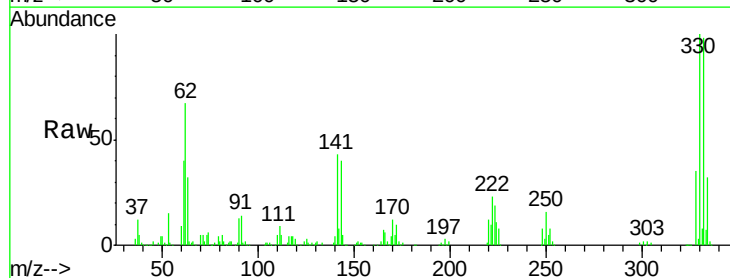
Tgt Ion:248 Resp: 23196

Ion Ratio Lower Upper

248 100

250 197.0 76.9 115.3#

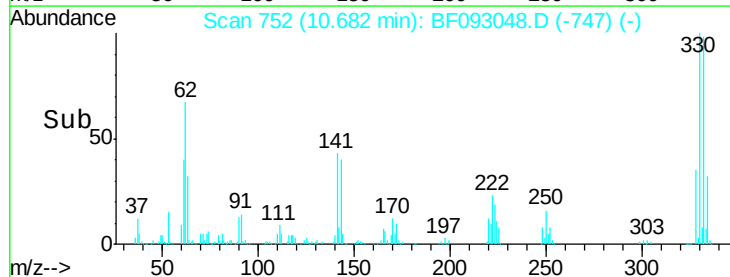
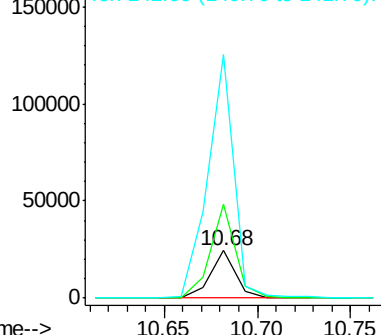
141 510.3 68.2 102.4#

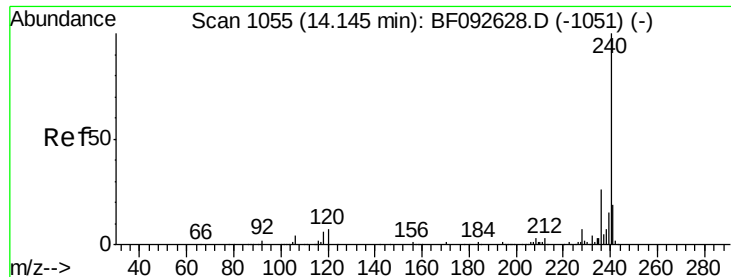


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF093048.D

Acq: 21 Feb 2017 00:22

Instrument :

BNA_F

ClientSampleId :

SP-EFGH-COMP

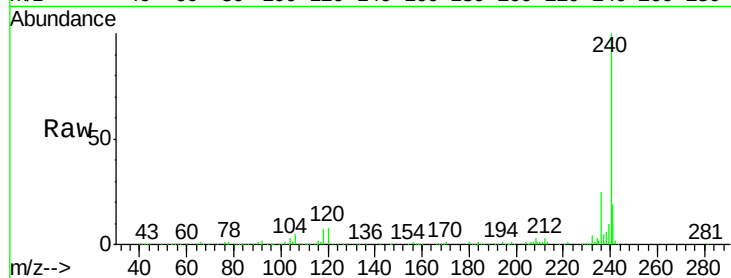
Tgt Ion:240 Resp: 439392

Ion Ratio Lower Upper

240 100

120 8.5 12.9 19.3#

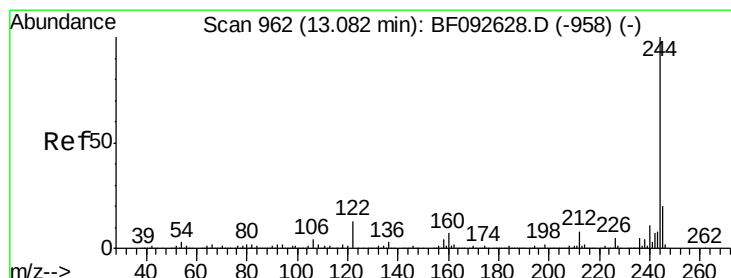
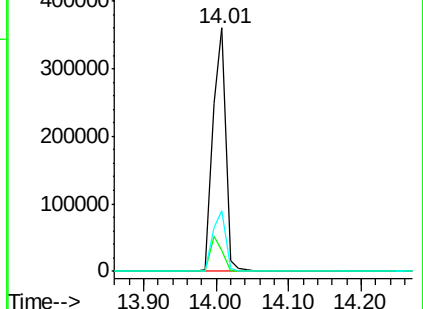
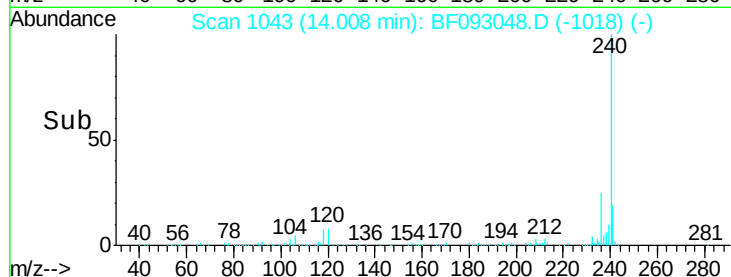
236 24.9 20.9 31.3



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: 78.83 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093048.D

Acq: 21 Feb 2017 00:22

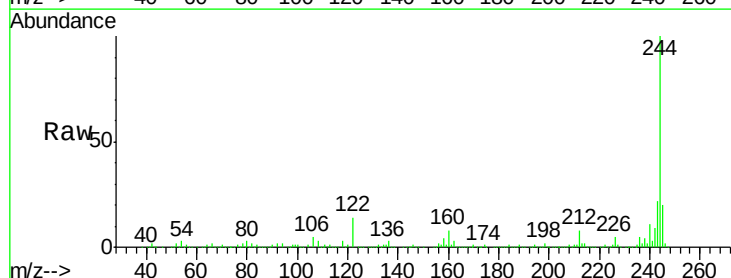
Tgt Ion:244 Resp: 1474199

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

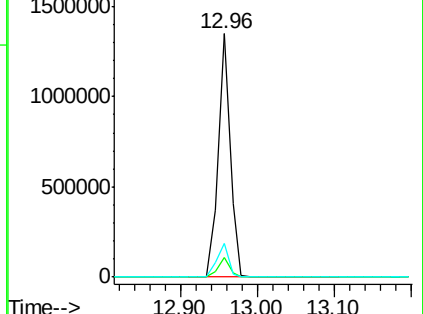
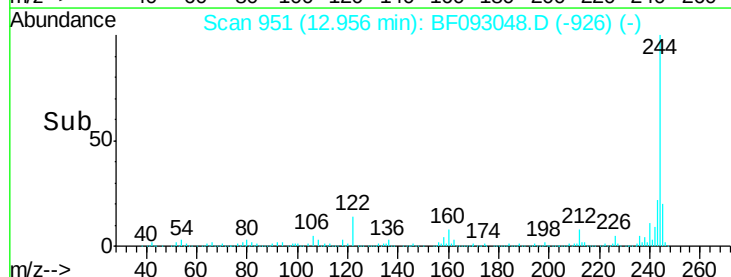
122 13.8 11.4 17.2

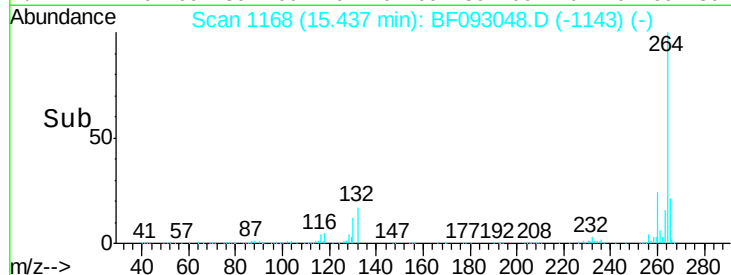
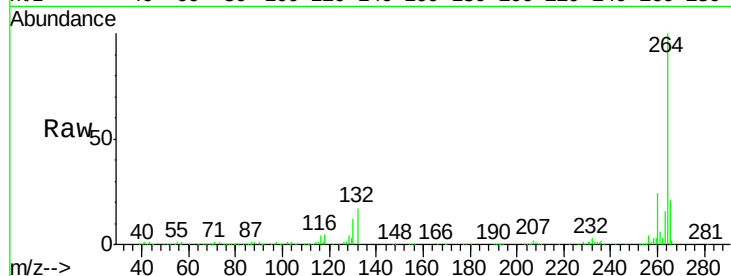
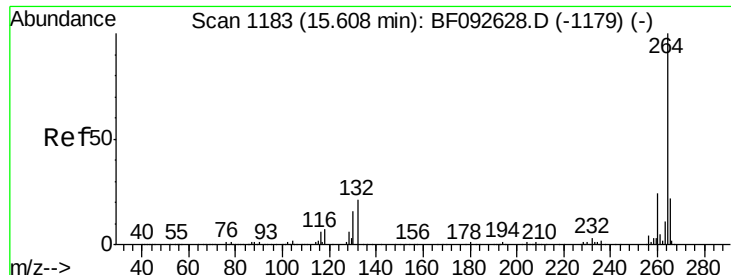


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF093048.D
Acq: 21 Feb 2017 00:22

Instrument :
BNA_F
ClientSampleId :
SP-EFGH-COMP

Tgt Ion:	264	Resp:	316244
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.2	17.4	26.0

