

Data File : BF093046.D
Acq On : 20 Feb 2017 23:26
Operator : SJ/MA
Sample : I1892-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP22-COMP16

Quant Time: Feb 21 00:23:10 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	155918	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	620644	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	295834	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	565516	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	513717	20.00	ng	-0.01
86) Perylene-d12	15.44	264	371770	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1110710	122.22	ng	0.01
7) Phenol-d6	6.49	99	1264084	108.10	ng	0.00
23) Nitrobenzene-d5	7.41	82	843518	75.68	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	321022	150.03	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1588018	97.25	ng	0.00
78) Terphenyl-d14	12.96	244	1354240	61.94	ng	-0.01

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	114226	15.35	ng	# 81
25) Isophorone	7.41	82	651898	31.39	ng	# 65
31) Naphthalene	8.16	128	65478	2.08	ng	98
50) 2,6-Dinitrotoluene	9.88	165	38274	8.89	ng	# 31
56) 2,4-Dinitrotoluene	9.88	165	38268	6.68	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.68	198	866	2.91	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	24010	4.06	ng	# 1
76) Benzidine	12.71	184	452216	20.66	ng	96

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

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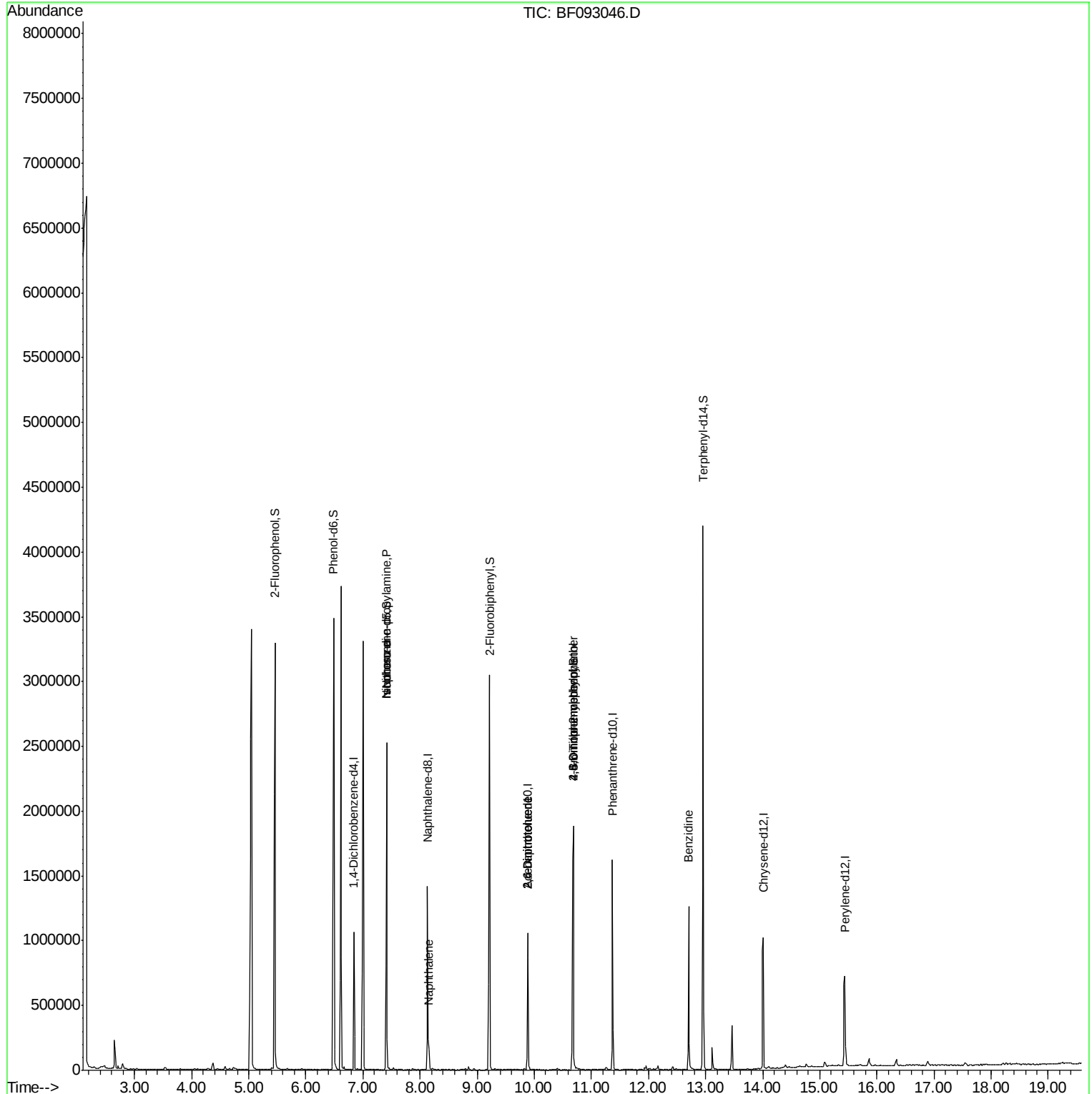
Quant Time: Feb 21 00:23:10 2017

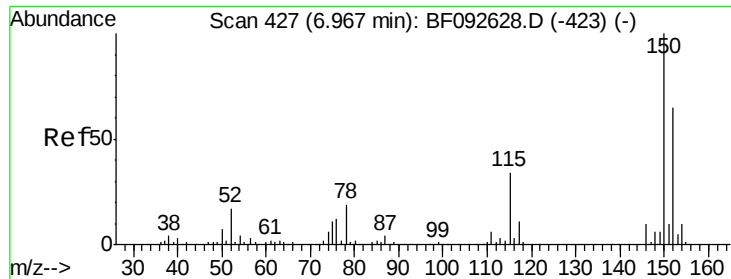
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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

Lab File: BF093046.D

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Instrument :

BNA_F

ClientSampleId :

TP22-COMP16

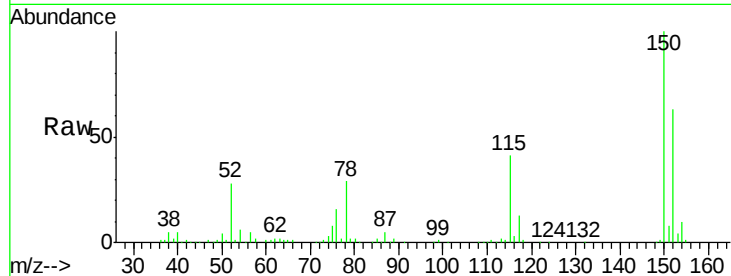
Tgt Ion:152 Resp: 155918

Ion Ratio Lower Upper

152 100

150 159.9 124.9 187.3

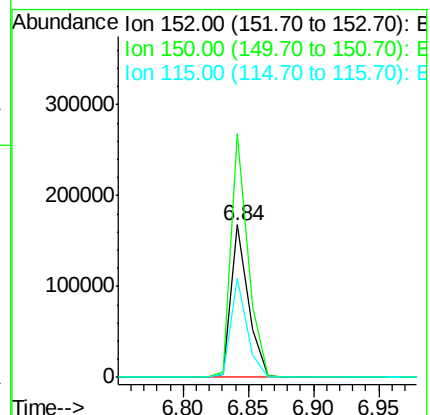
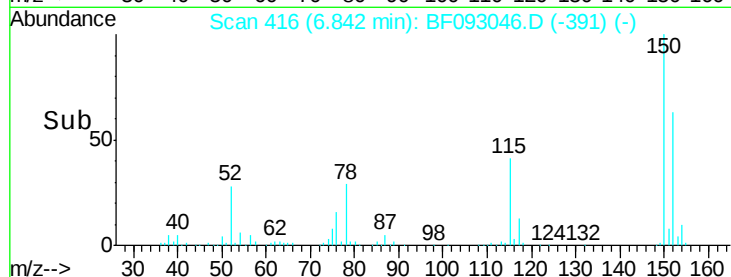
115 64.8 46.0 69.0



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: 122.22 ng

RT: 5.46 min Scan# 295

Delta R.T. 0.01 min

Lab File: BF093046.D

Acq: 20 Feb 2017 23:26

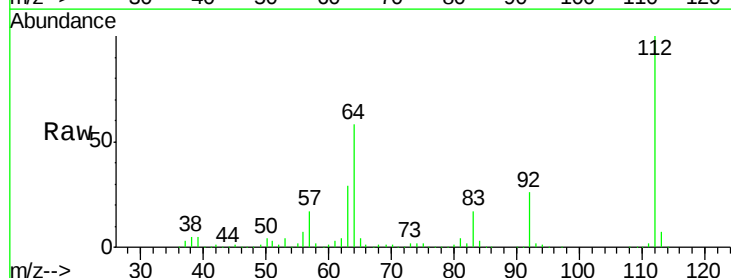
Tgt Ion:112 Resp: 1110710

Ion Ratio Lower Upper

112 100

64 58.0 46.1 69.1

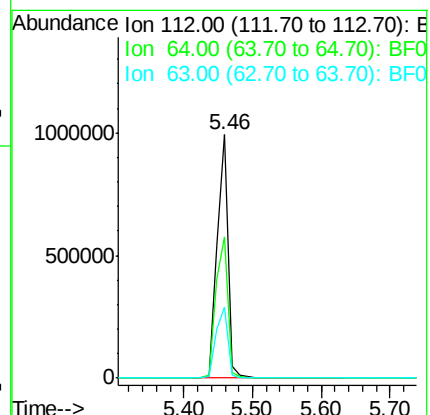
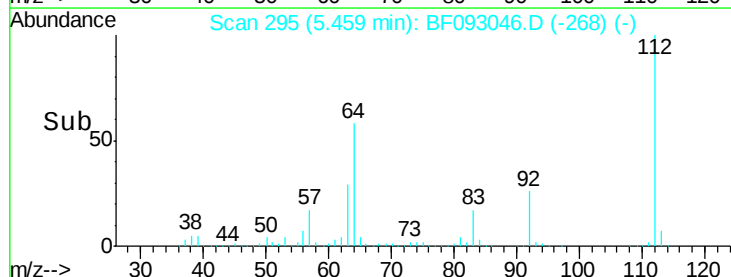
63 28.9 23.8 35.6

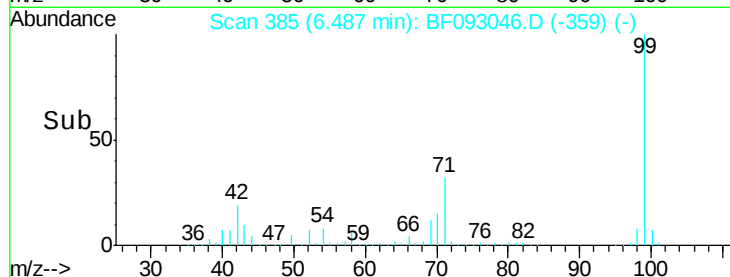
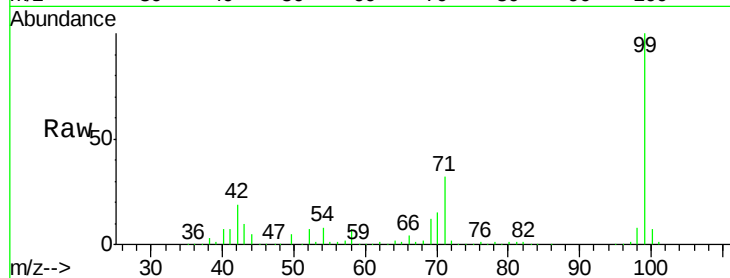
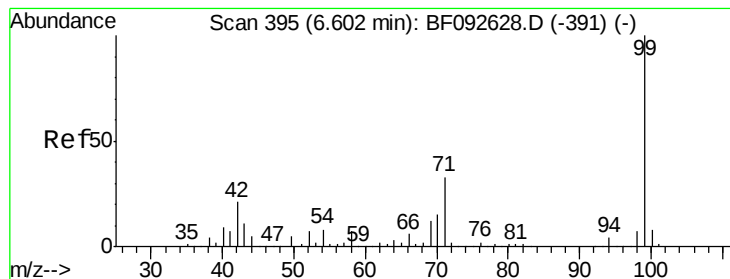


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.10 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF093046.D

Acq: 20 Feb 2017 23:26

Instrument :

BNA_F

ClientSampleId :

TP22-COMP16

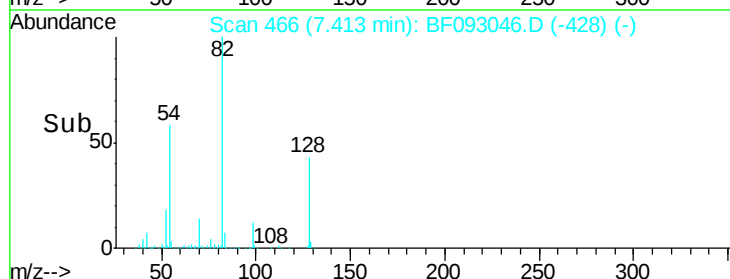
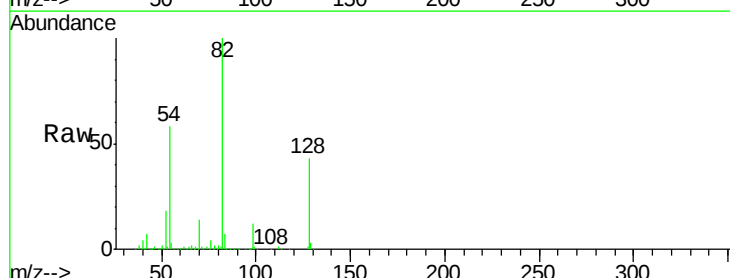
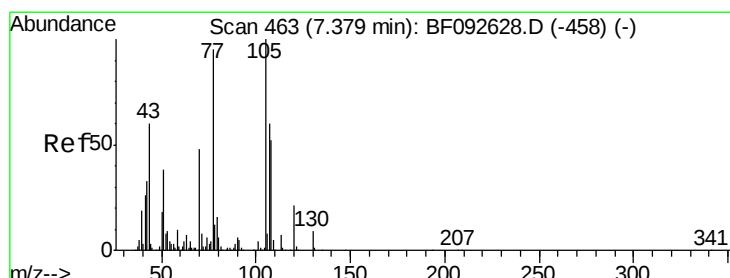
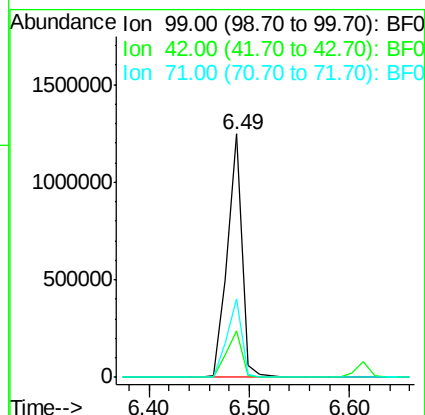
Tgt Ion: 99 Resp: 1264084

Ion Ratio Lower Upper

99 100

42 19.0 15.6 23.4

71 32.0 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.35 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093046.D

Acq: 20 Feb 2017 23:26

Tgt Ion: 70 Resp: 114226

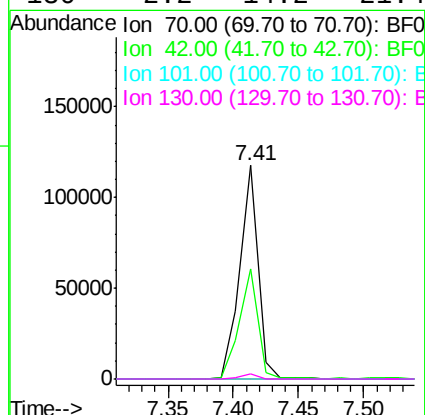
Ion Ratio Lower Upper

70 100

42 51.8 49.4 74.0

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

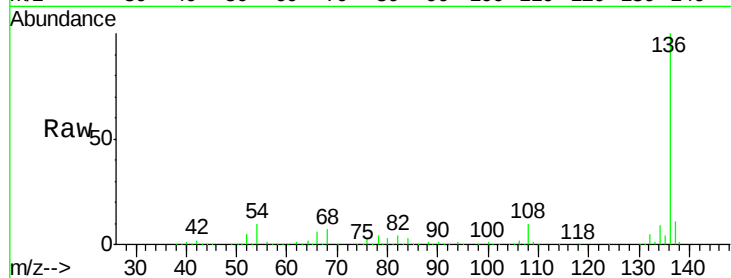




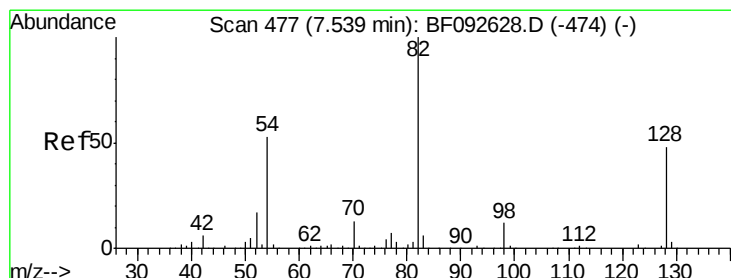
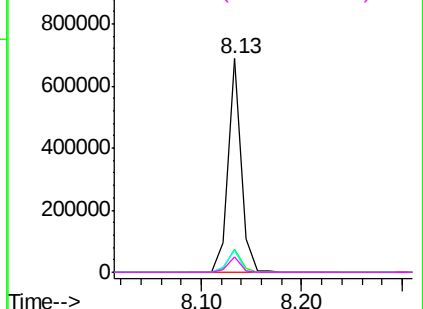
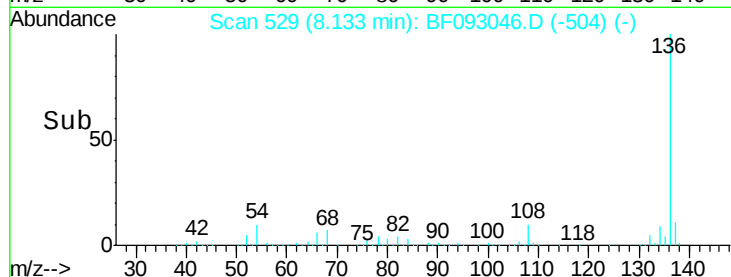
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093046.D
Acq: 20 Feb 2017 23:26

Instrument :
BNA_F
ClientSampleId :
TP22-COMP16

Tgt Ion:	136	Resp:	620644
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	10.4	4.5	6.7#
68	7.5	3.6	5.4#

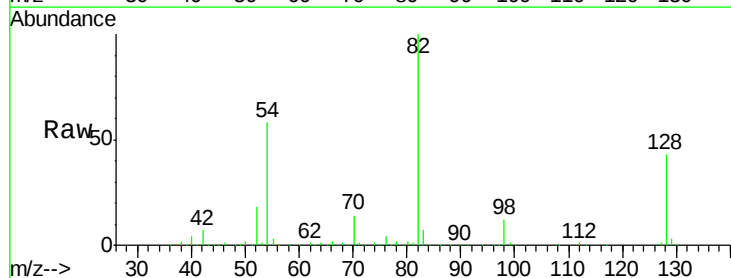


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

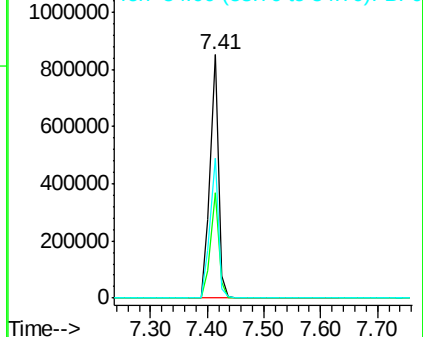
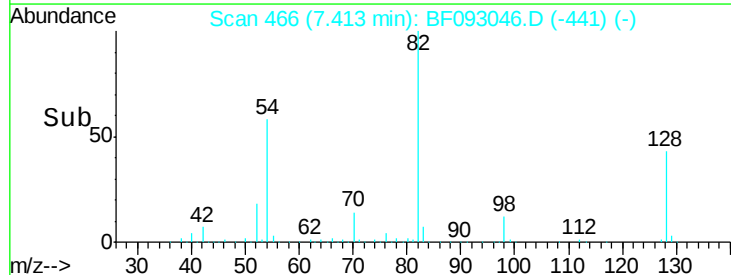


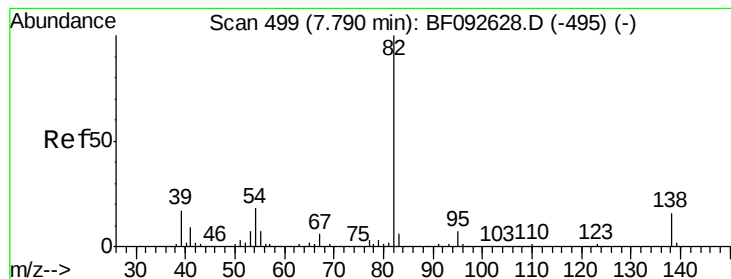
#23
Nitrobenzene-d5
Concen: 75.68 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093046.D
Acq: 20 Feb 2017 23:26

Tgt Ion:	82	Resp:	843518
Ion	Ratio	Lower	Upper
82	100		
128	43.1	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: 31.39 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.27 min

Lab File: BF093046.D

Acq: 20 Feb 2017 23:26

Instrument :

BNA_F

ClientSampleId :

TP22-COMP16

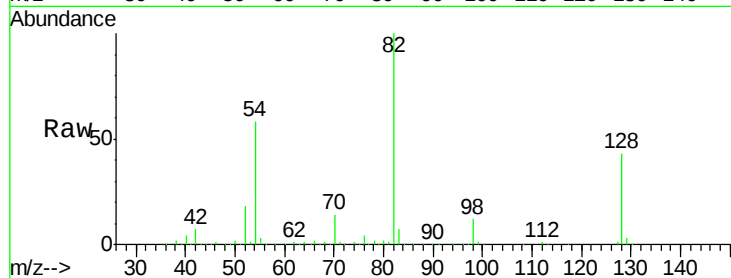
Tgt Ion: 82 Resp: 651898

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

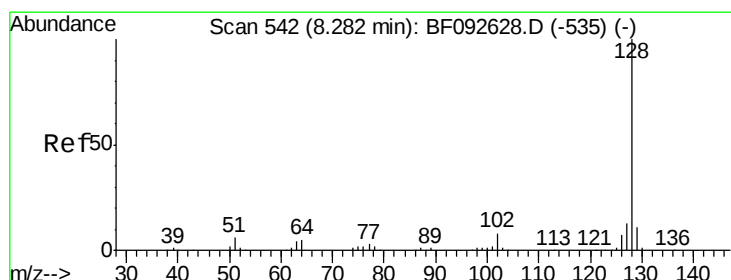
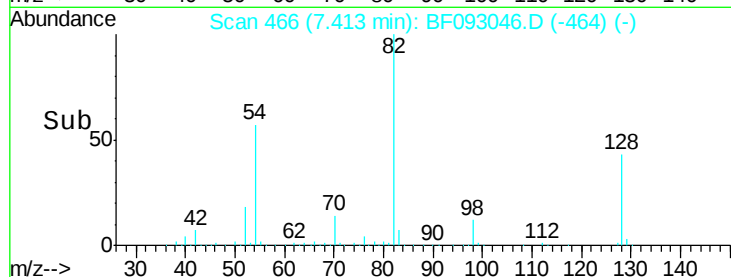
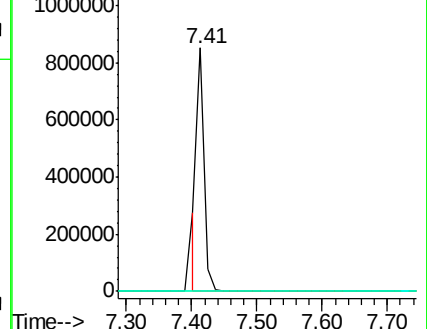
138 0.0 14.6 22.0#



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



#31

Naphthalene

Concen: 2.08 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF093046.D

Acq: 20 Feb 2017 23:26

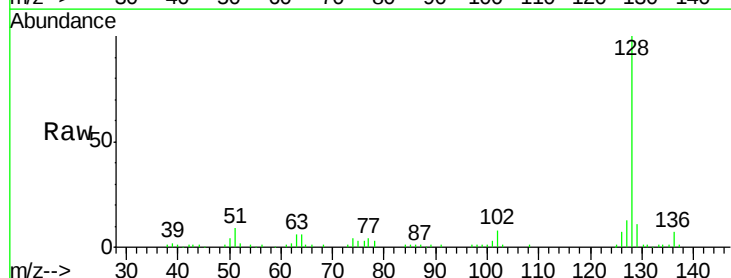
Tgt Ion: 128 Resp: 65478

Ion Ratio Lower Upper

128 100

129 11.0 9.5 14.3

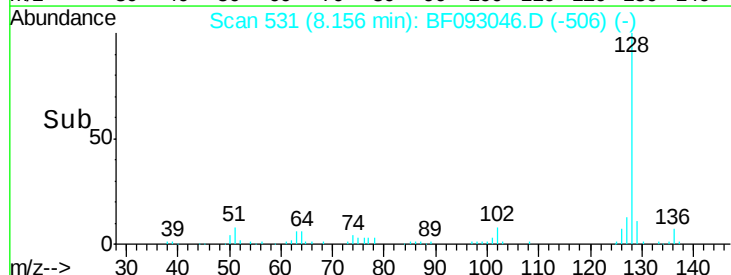
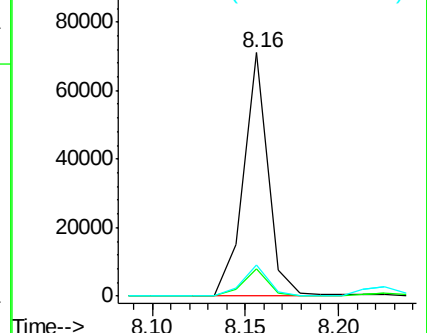
127 12.9 10.8 16.2

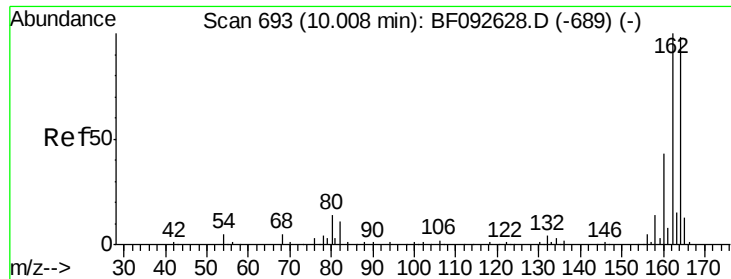


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF093046.D

Acq: 20 Feb 2017 23:26

Instrument :

BNA_F

ClientSampleId :

TP22-COMP16

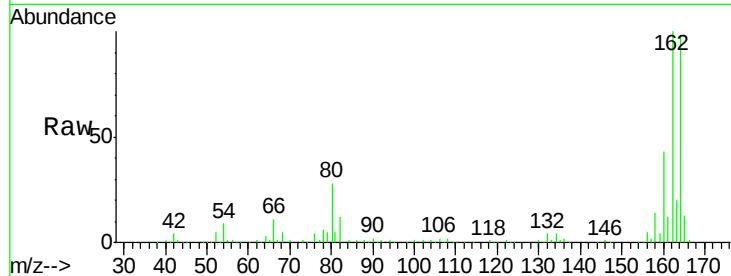
Tgt Ion:164 Resp: 295834

Ion Ratio Lower Upper

164 100

162 102.3 80.2 120.2

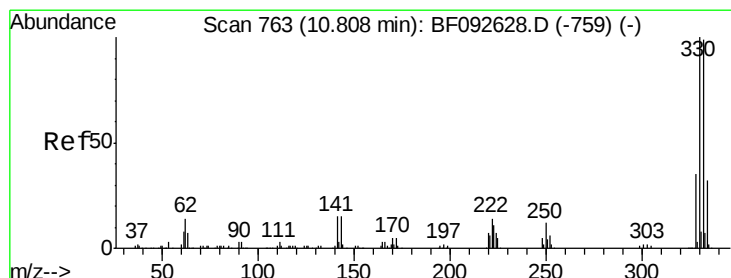
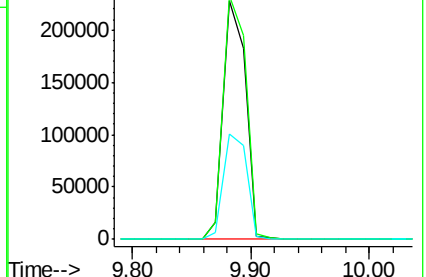
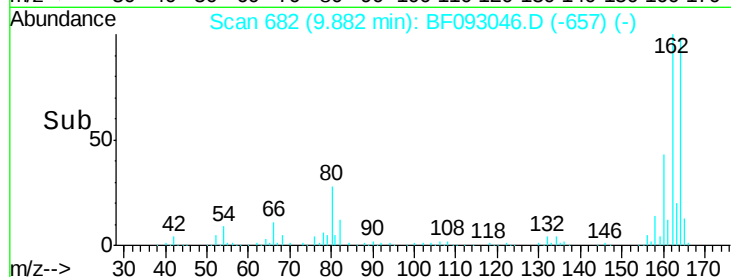
160 44.0 36.9 55.3



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: 150.03 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF093046.D

Acq: 20 Feb 2017 23:26

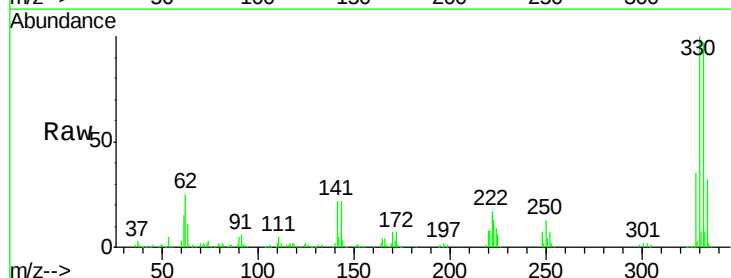
Tgt Ion:330 Resp: 321022

Ion Ratio Lower Upper

330 100

332 97.5 77.4 116.2

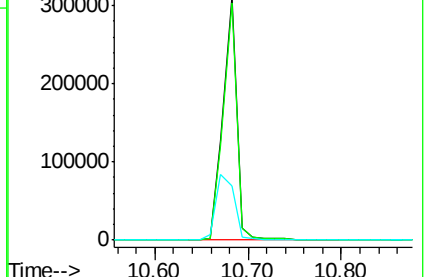
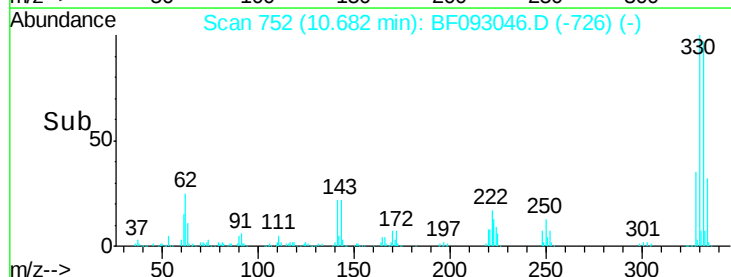
141 35.8 34.1 51.1



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

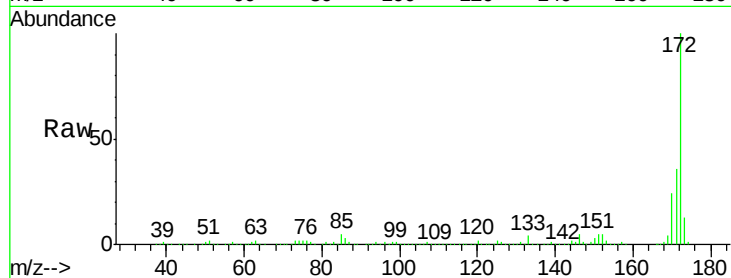




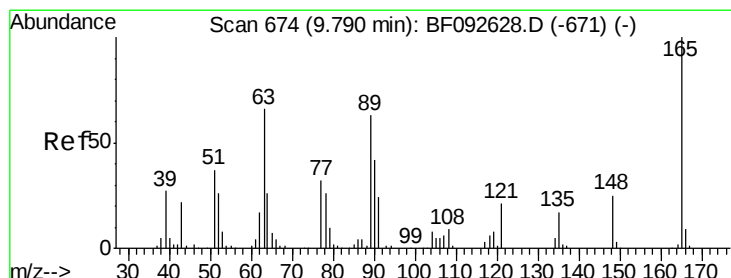
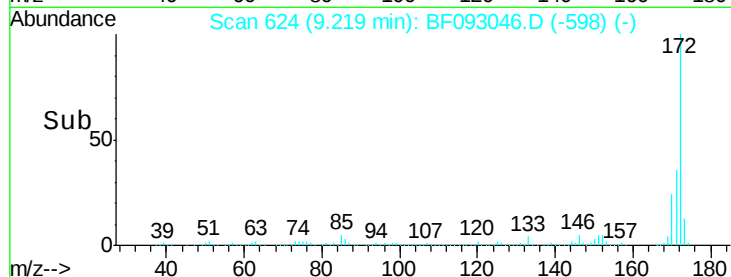
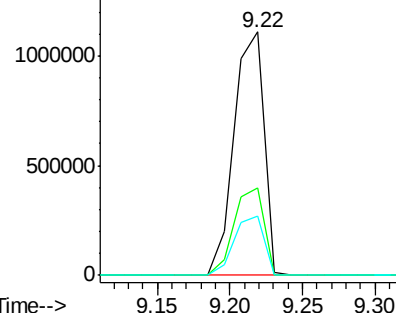
#44
2-Fluorobiphenyl
Concen: 97.25 ng
RT: 9.22 min Scan# 624
Delta R.T. 0.00 min
Lab File: BF093046.D
Acq: 20 Feb 2017 23:26

Instrument :
BNA_F
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TP22-COMP16

Tgt Ion:172 Resp: 1588018
Ion Ratio Lower Upper
172 100
171 36.0 29.4 44.0
170 24.1 20.2 30.4

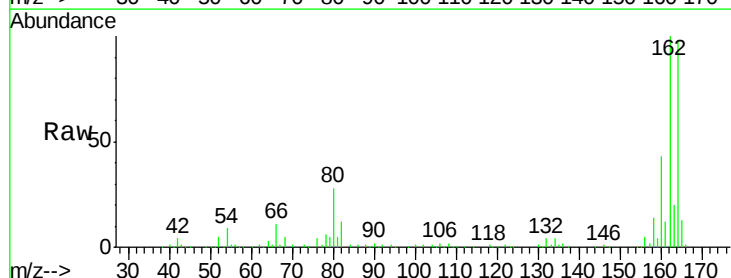


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

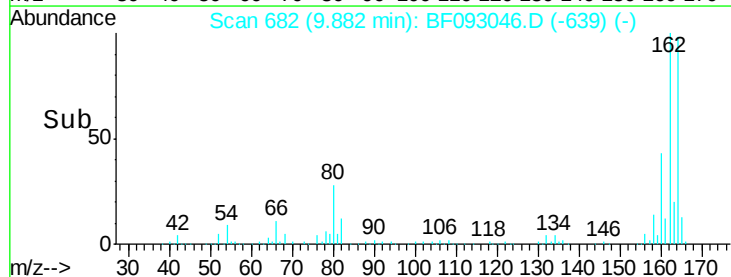
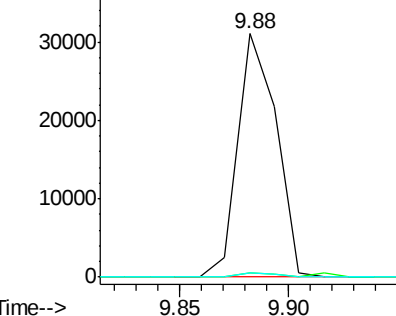


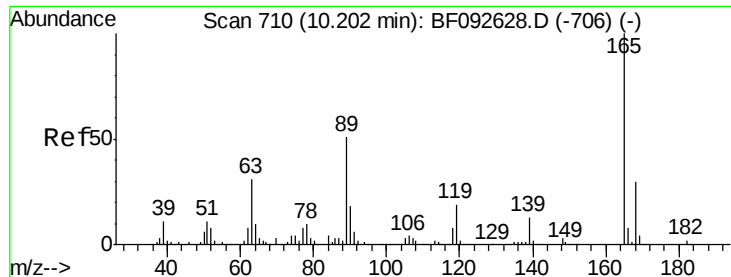
#50
2,6-Dinitrotoluene
Concen: 8.89 ng
RT: 9.88 min Scan# 682
Delta R.T. 0.19 min
Lab File: BF093046.D
Acq: 20 Feb 2017 23:26

Tgt Ion:165 Resp: 38274
Ion Ratio Lower Upper
165 100
63 1.9 36.2 54.4#
89 1.5 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

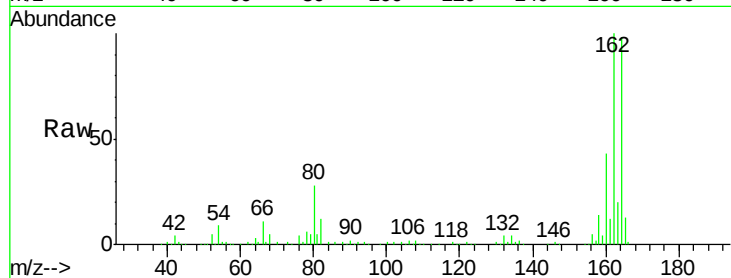




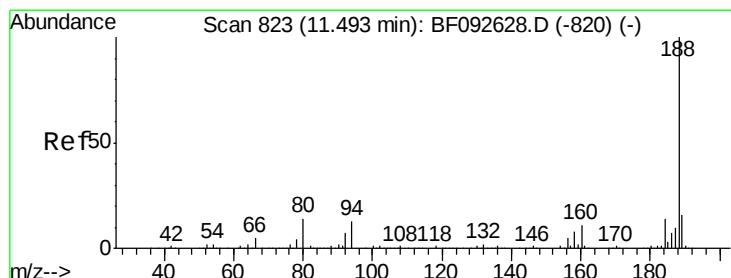
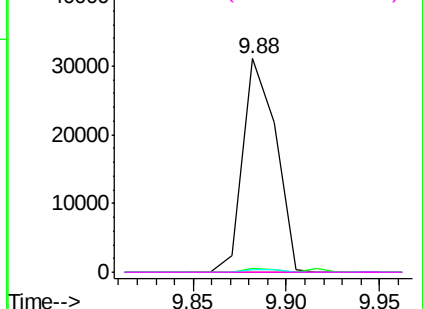
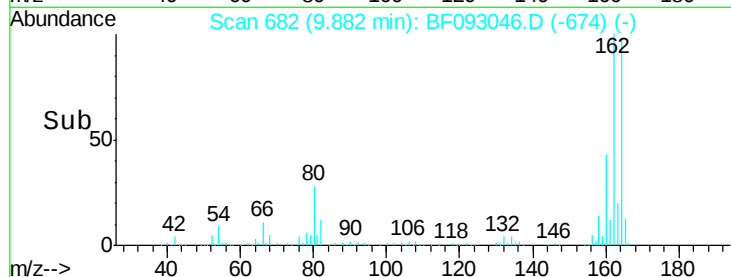
#56
 2,4-Dinitrotoluene
 Concen: 6.68 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.21 min
 Lab File: BF093046.D
 Acq: 20 Feb 2017 23:26

Instrument :
 BNA_F
 ClientSampleId :
 TP22-COMP16

Tgt Ion:165 Resp: 38268
 Ion Ratio Lower Upper
 165 100
 63 1.9 40.2 60.4#
 89 1.5 62.5 93.7#
 182 0.0 1.8 2.8#

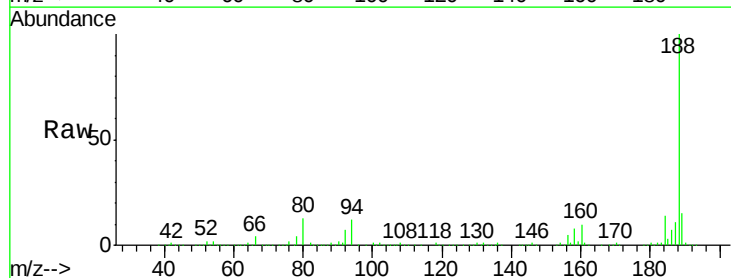


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

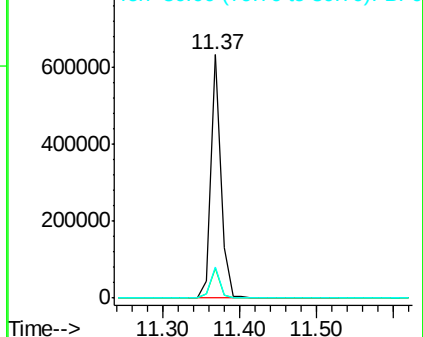
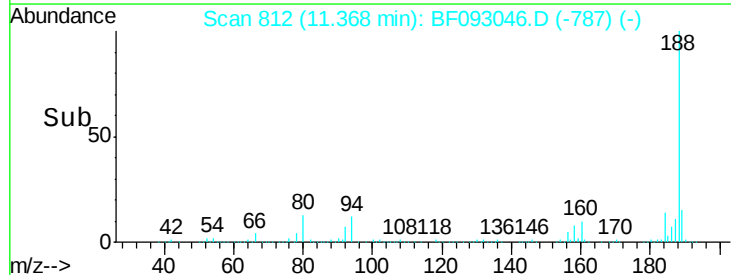


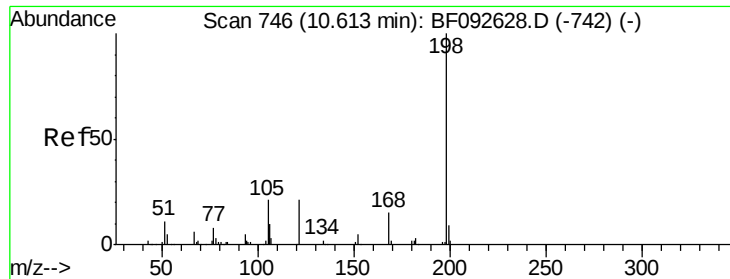
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF093046.D
 Acq: 20 Feb 2017 23:26

Tgt Ion:188 Resp: 565516
 Ion Ratio Lower Upper
 188 100
 94 12.4 10.0 15.0
 80 12.8 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

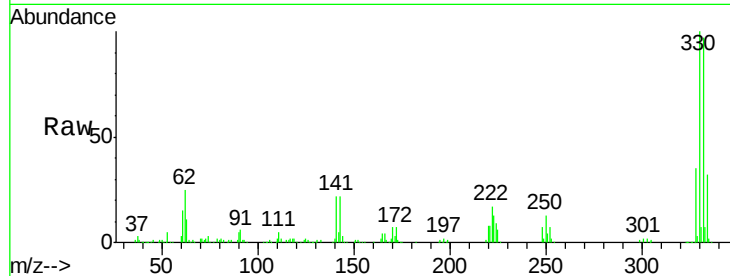




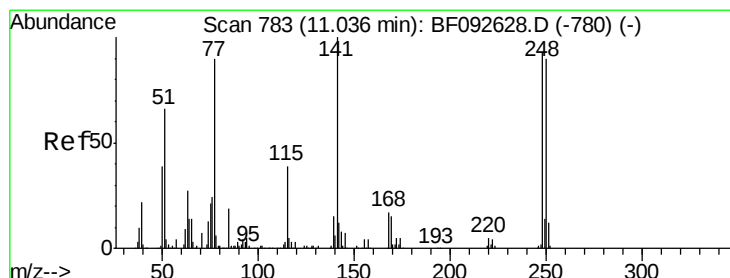
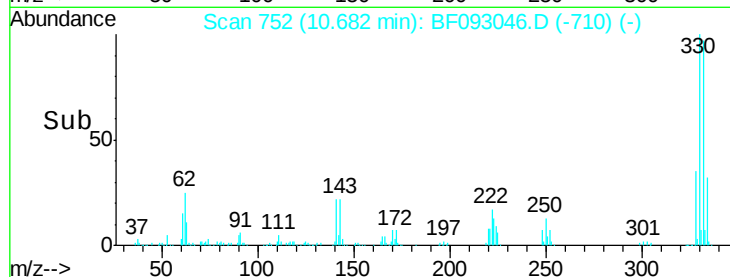
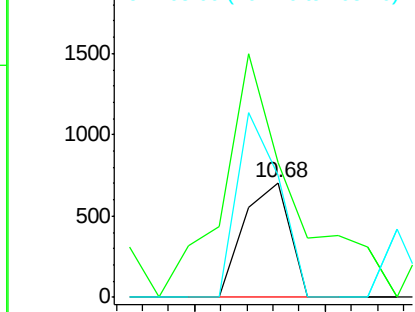
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.91 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.18 min
 Lab File: BF093046.D
 Acq: 20 Feb 2017 23:26

Instrument :
 BNA_F
 ClientSampleId :
 TP22-COMP16

Tgt Ion:198 Resp: 866
 Ion Ratio Lower Upper
 198 100
 51 117.3 6.7 46.7#
 105 105.8 16.6 56.6#

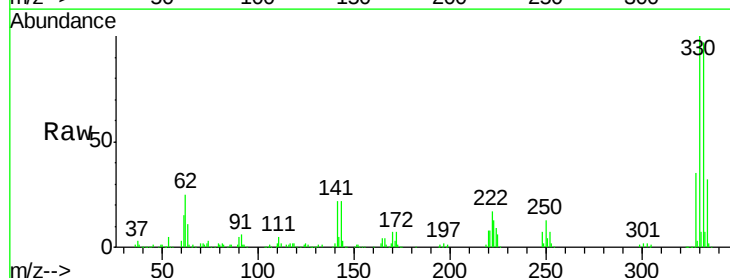


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

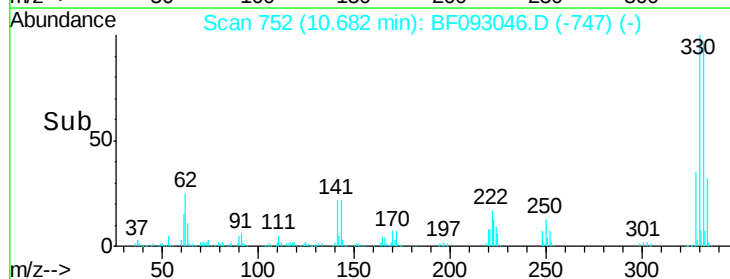
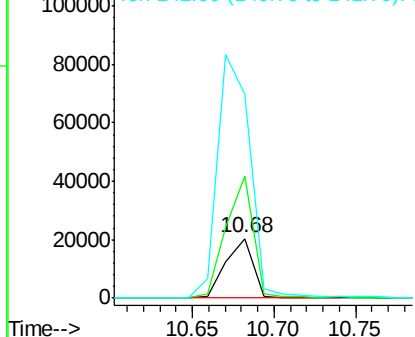


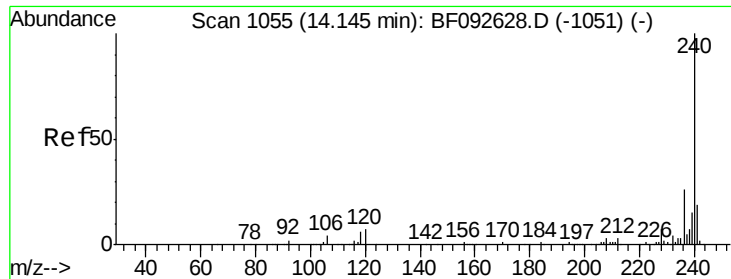
#66
 4-Bromophenyl-phenylether
 Concen: 4.06 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.24 min
 Lab File: BF093046.D
 Acq: 20 Feb 2017 23:26

Tgt Ion:248 Resp: 24010
 Ion Ratio Lower Upper
 248 100
 250 203.7 76.9 115.3#
 141 339.9 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: BF093046.D

Acq: 20 Feb 2017 23:26

Instrument :

BNA_F

ClientSampleId :

TP22-COMP16

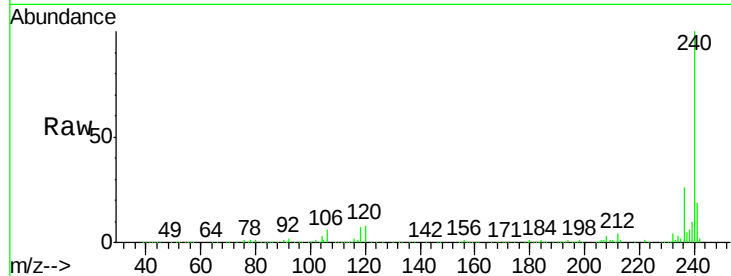
Tgt Ion:240 Resp: 513717

Ion Ratio Lower Upper

240 100

120 8.5 12.9 19.3#

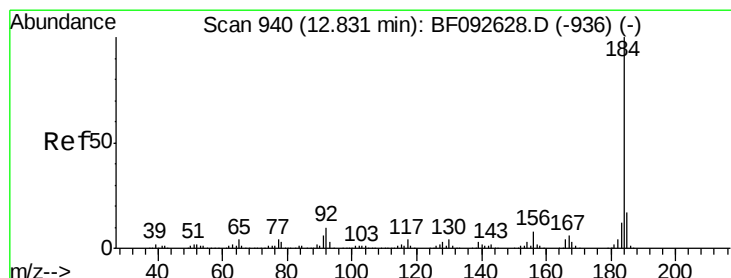
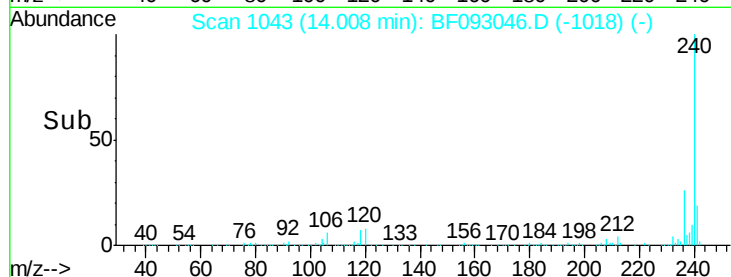
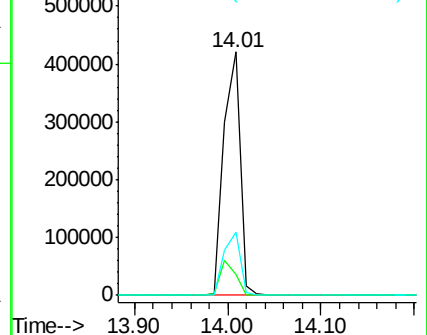
236 25.7 20.9 31.3



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



#76

Benzidine

Concen: 20.66 ng

RT: 12.71 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF093046.D

Acq: 20 Feb 2017 23:26

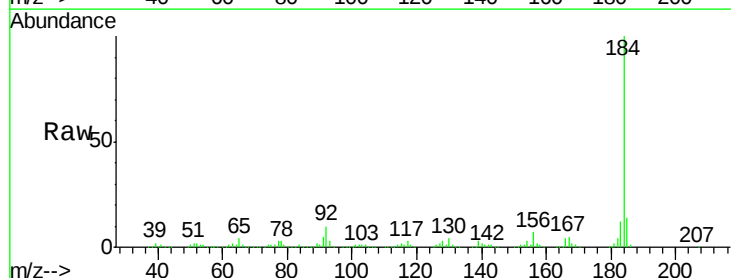
Tgt Ion:184 Resp: 452216

Ion Ratio Lower Upper

184 100

185 14.4 13.4 20.0

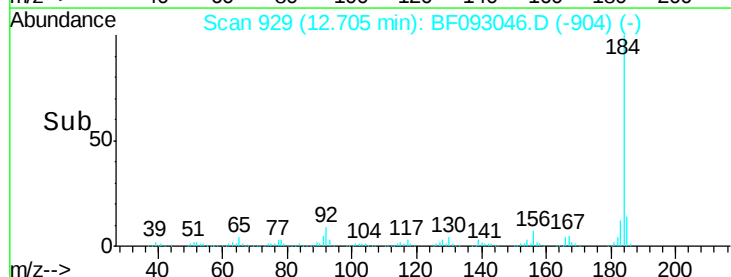
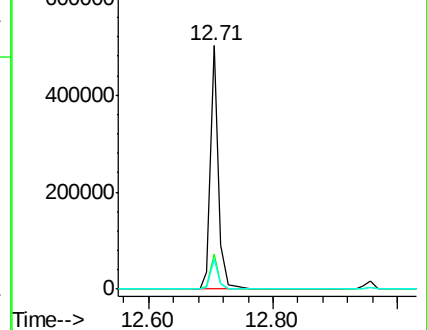
183 12.3 9.2 13.8

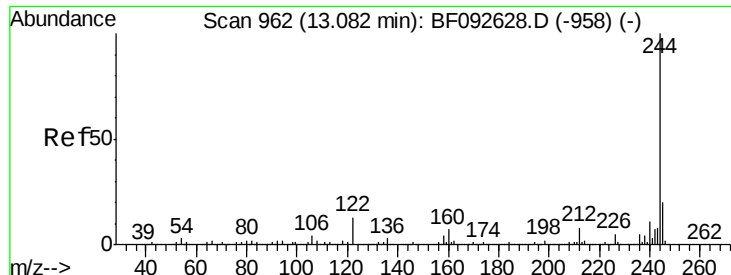


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

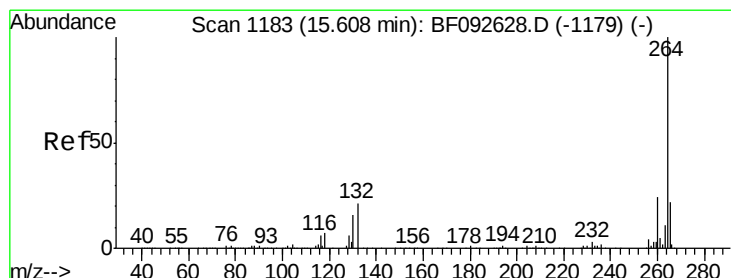
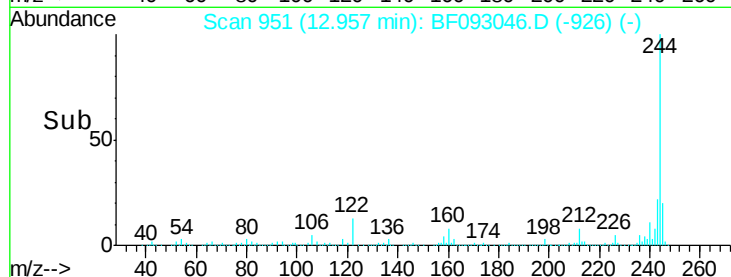
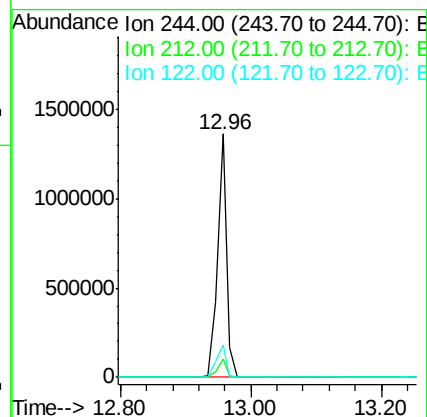
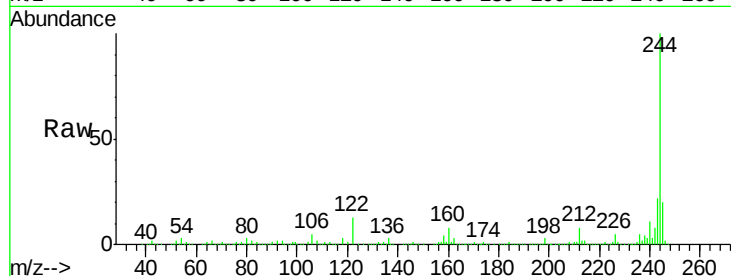




#78
 Terphenyl-d14
 Concen: 61.94 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF093046.D
 Acq: 20 Feb 2017 23:26

Instrument :
 BNA_F
 ClientSampleId :
 TP22-COMP16

Tgt Ion:244 Resp: 1354240
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 13.3 11.4 17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF093046.D
 Acq: 20 Feb 2017 23:26

Tgt Ion:264 Resp: 371770
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 21.3 17.4 26.0

