

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012417\
 Data File : BF092456.D
 Acq On : 25 Jan 2017 3:47
 Operator : UM/SJ
 Sample : I1397-02
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-03

Quant Time: Jan 25 04:50:40 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	147263	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	597863	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	305895	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	458519	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	302105	20.00	ng	-0.02
86) Perylene-d12	15.63	264	291329	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	525394	55.51	ng	0.00
7) Phenol-d6	6.58	99	477619	39.62	ng	-0.01
23) Nitrobenzene-d5	7.53	82	966243	88.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	299633	143.74	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1446189	87.42	ng	-0.01
78) Terphenyl-d14	13.10	244	1257138	110.81	ng	-0.01

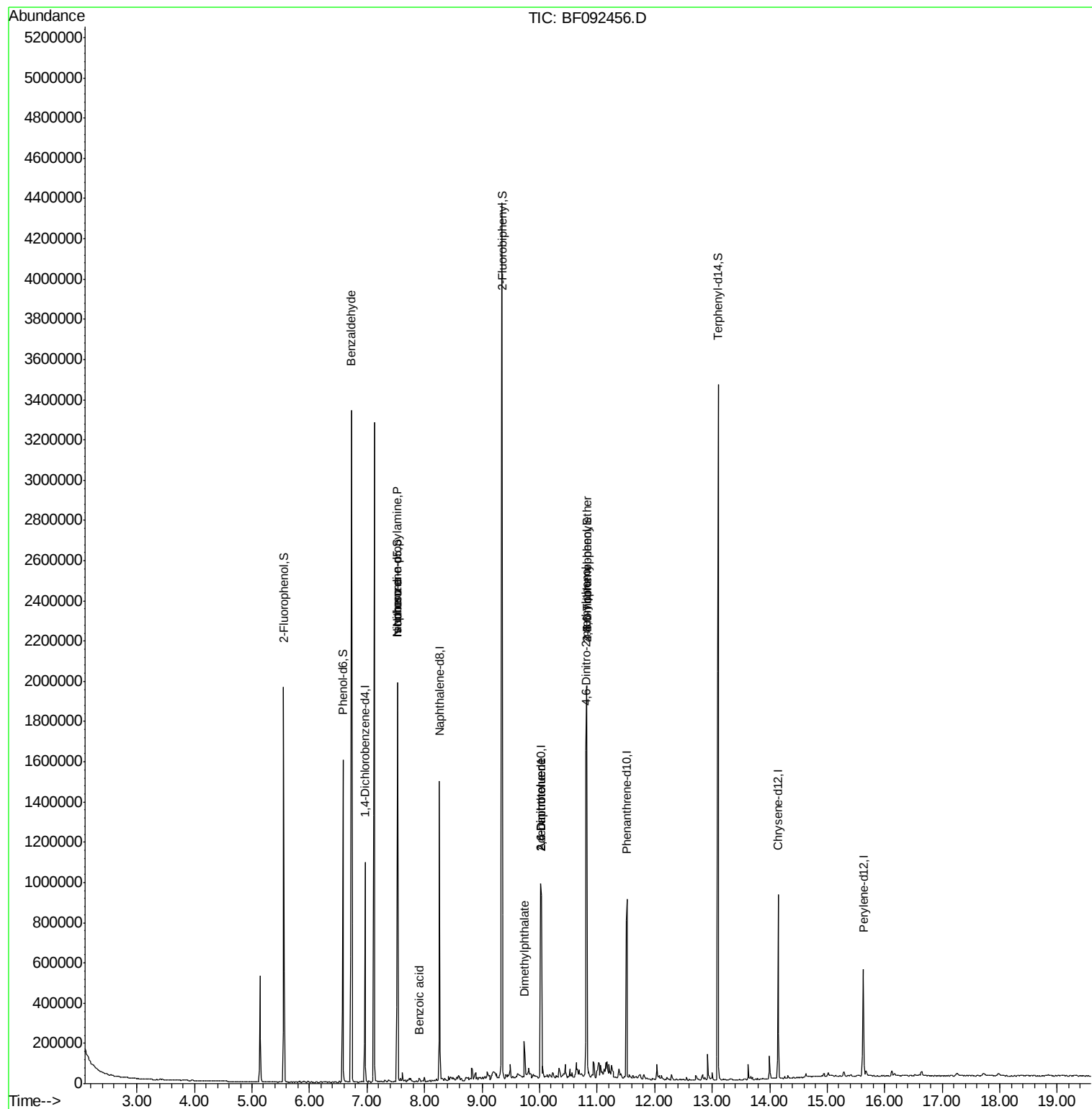
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.73	77	20628	2.41	ng	# 71
19) n-Nitroso-di-n-propylamine	7.53	70	128962	15.71	ng	# 85
25) Isophorone	7.53	82	882743	40.93	ng	# 65
32) Benzoic acid	7.92	122	698	4.78	ng	92
49) Dimethylphthalate	9.73	163	83767	4.31	ng	98
50) 2,6-Dinitrotoluene	10.03	165	41503	10.44	ng	# 31
56) 2,4-Dinitrotoluene	10.03	165	41825	7.92	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.81	198	935	5.29	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	23432	5.06	ng	# 1

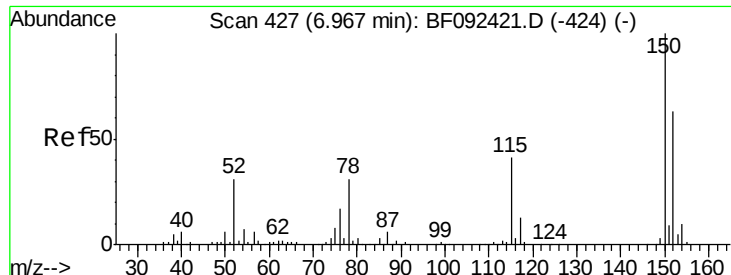
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.00 min

Lab File: BF092456.D

Acq: 25 Jan 2017 3:47

Instrument :

BNA_F

ClientSampleId :

W-03

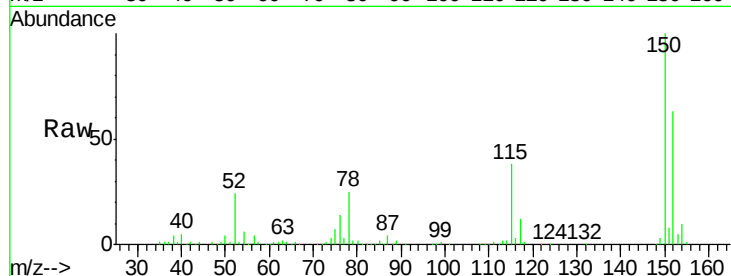
Tgt Ion:152 Resp: 147263

Ion Ratio Lower Upper

152 100

150 158.2 124.9 187.3

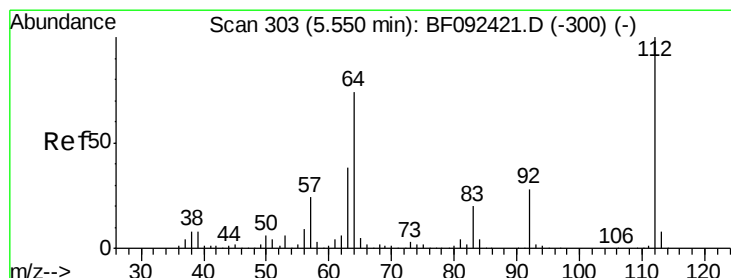
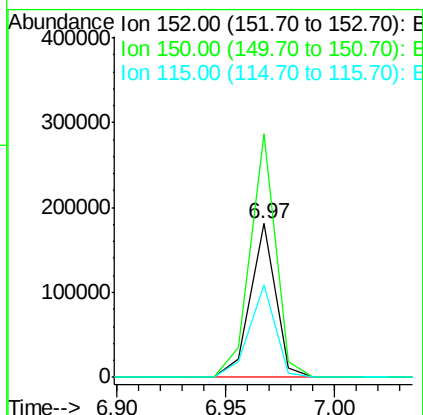
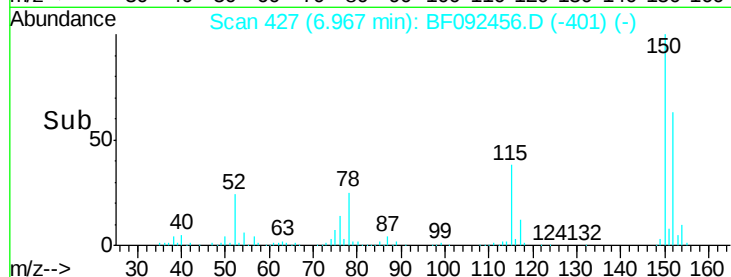
115 60.3 46.0 69.0



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: 55.51 ng

RT: 5.55 min Scan# 303

Delta R.T. -0.00 min

Lab File: BF092456.D

Acq: 25 Jan 2017 3:47

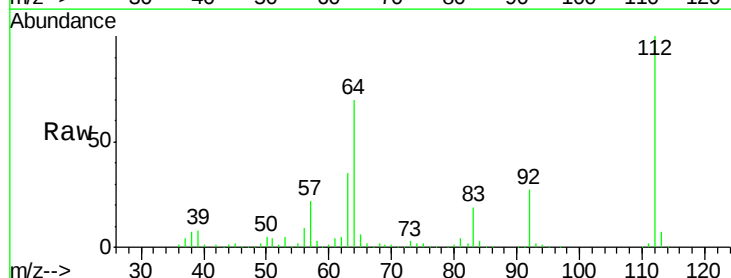
Tgt Ion:112 Resp: 525394

Ion Ratio Lower Upper

112 100

64 69.7 46.1 69.1#

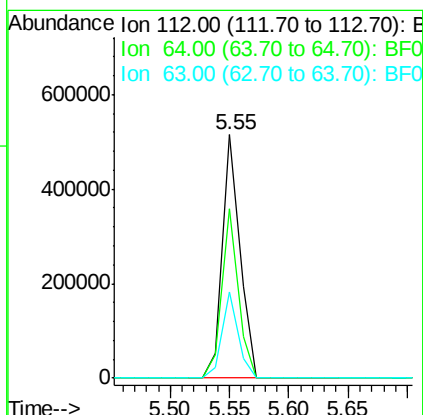
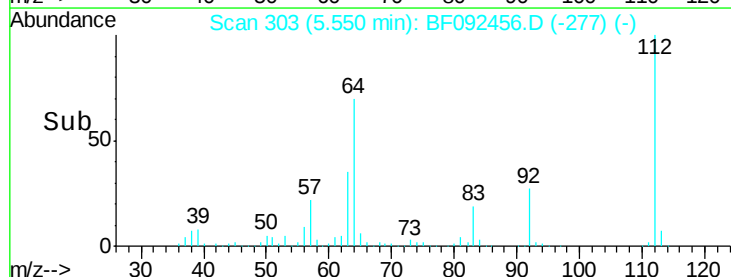
63 35.3 23.8 35.6

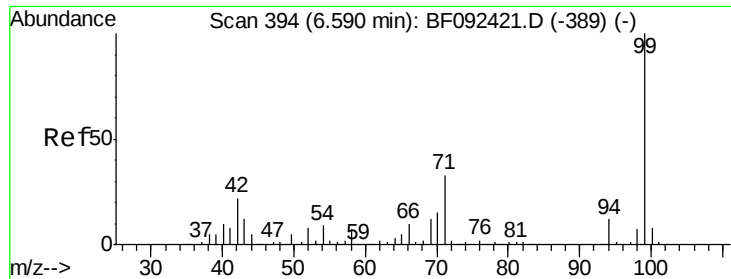


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.62 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.01 min

Lab File: BF092456.D

Acq: 25 Jan 2017 3:47

Instrument :

BNA_F

ClientSampleId :

W-03

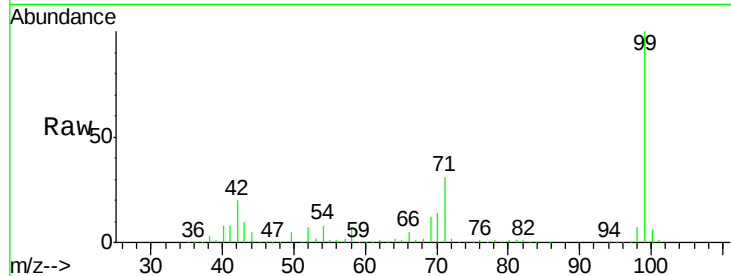
Tgt Ion: 99 Resp: 477619

Ion Ratio Lower Upper

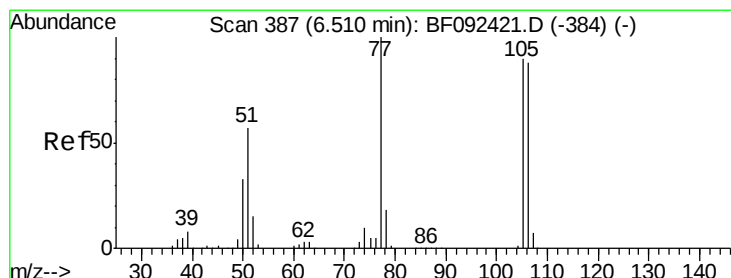
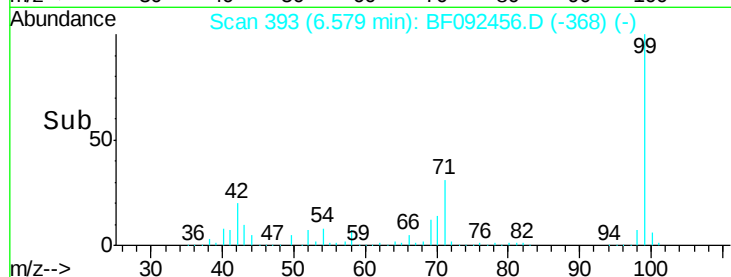
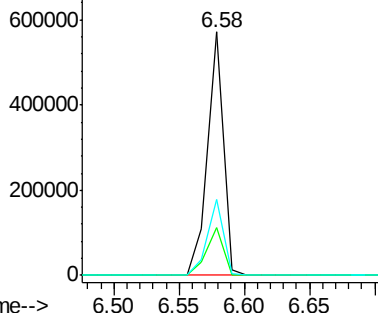
99 100

42 19.8 15.6 23.4

71 31.1 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: 2.41 ng

RT: 6.73 min Scan# 406

Delta R.T. 0.22 min

Lab File: BF092456.D

Acq: 25 Jan 2017 3:47

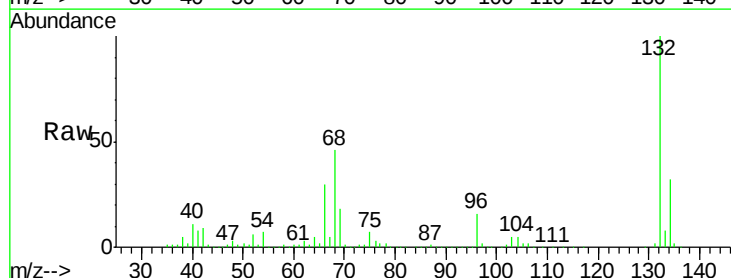
Tgt Ion: 77 Resp: 20628

Ion Ratio Lower Upper

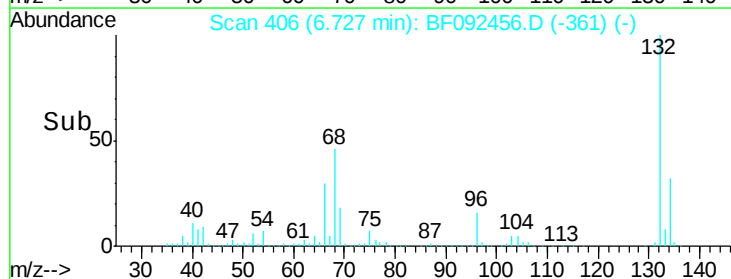
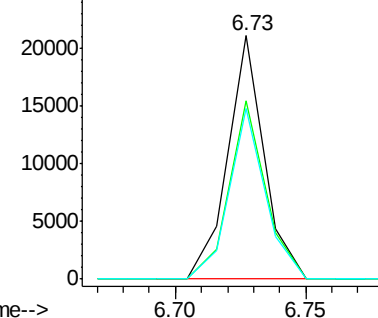
77 100

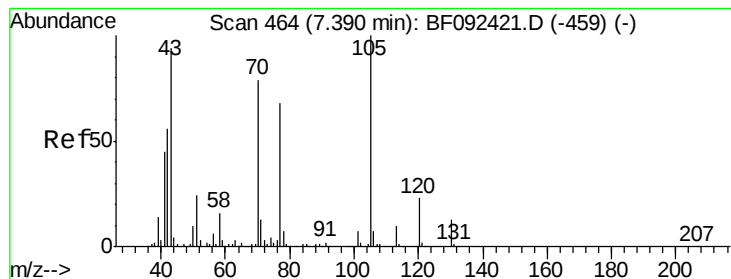
105 73.5 83.9 123.9#

106 70.3 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: 15.71 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.14 min

Lab File: BF092456.D

Acq: 25 Jan 2017 3:47

Instrument :

BNA_F

ClientSampleId :

W-03

Tgt Ion: 70 Resp: 128962

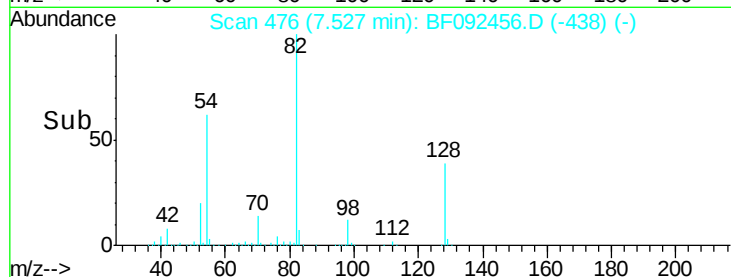
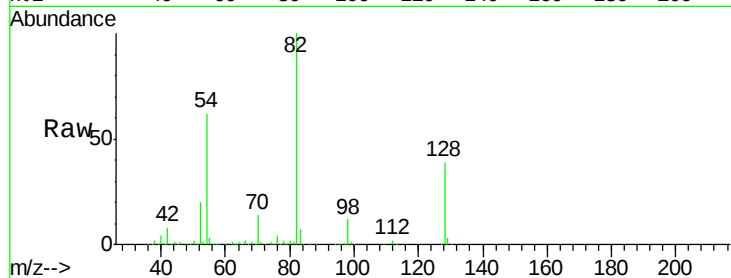
Ion Ratio Lower Upper

70 100

42 55.7 49.4 74.0

101 0.0 7.4 11.2#

130 1.7 14.2 21.4#

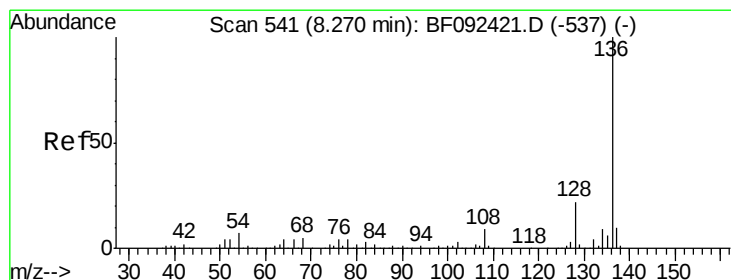
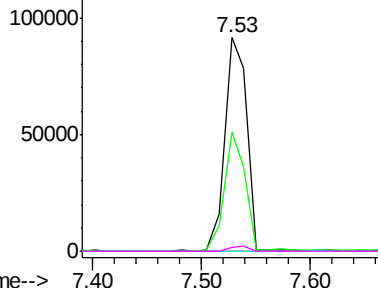


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF092456.D

Acq: 25 Jan 2017 3:47

Tgt Ion: 136 Resp: 597863

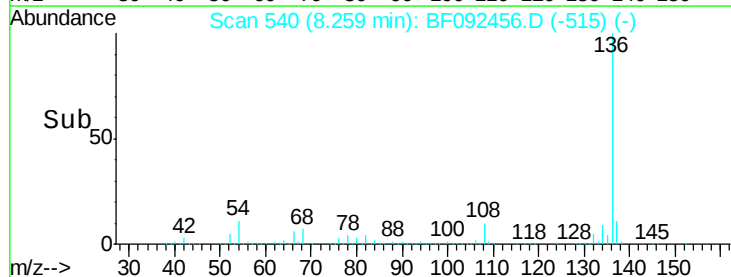
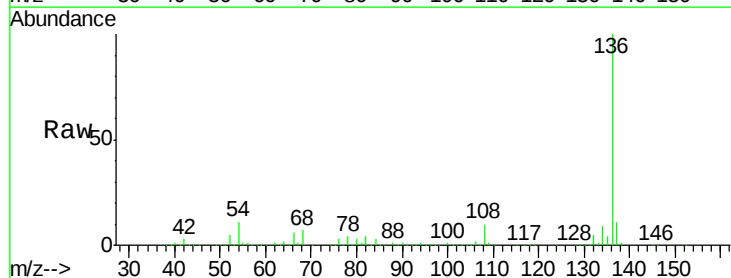
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 10.7 4.5 6.7#

68 7.5 3.6 5.4#

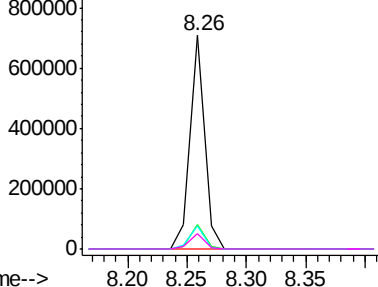


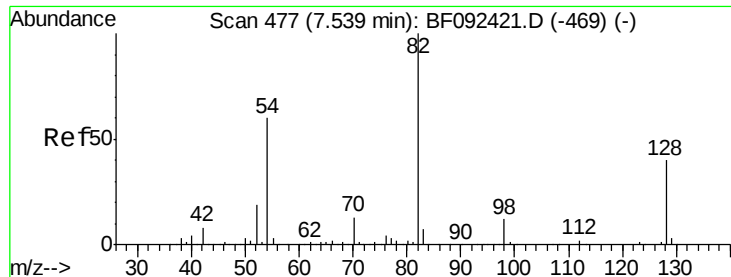
Abundance Ion 136.00 (135.70 to 136.70): E

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

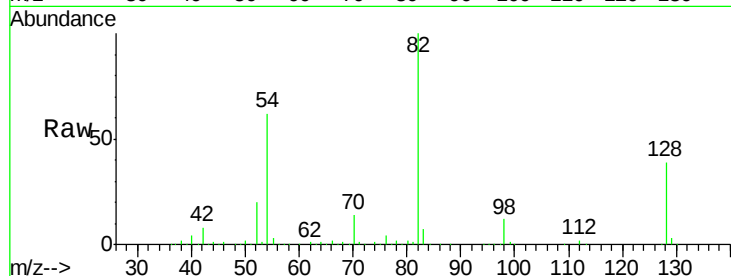




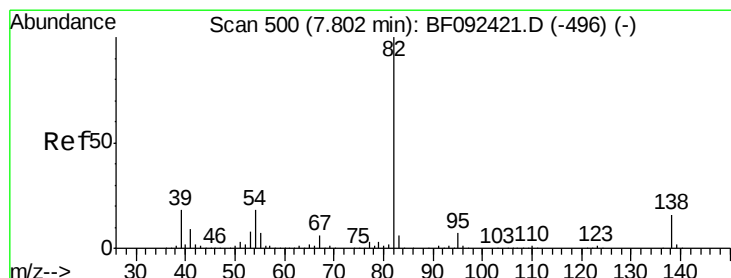
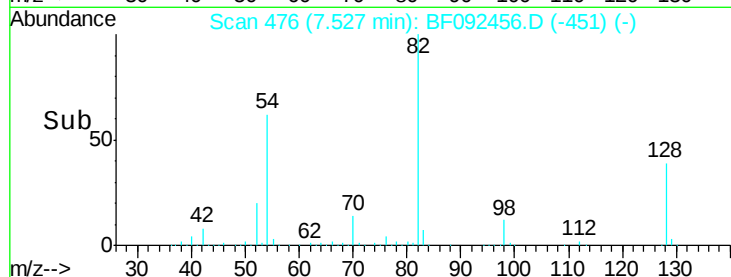
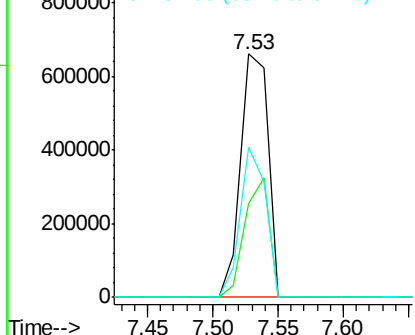
#23
 Nitrobenzene-d5
 Concen: 88.28 ng
 RT: 7.53 min Scan# 476
 Delta R.T. -0.01 min
 Lab File: BF092456.D
 Acq: 25 Jan 2017 3:47

Instrument :
 BNA_F
 ClientSampleId :
 W-03

Tgt Ion: 82 Resp: 966243
 Ion Ratio Lower Upper
 82 100
 128 38.8 34.6 52.0
 54 61.7 39.5 59.3#

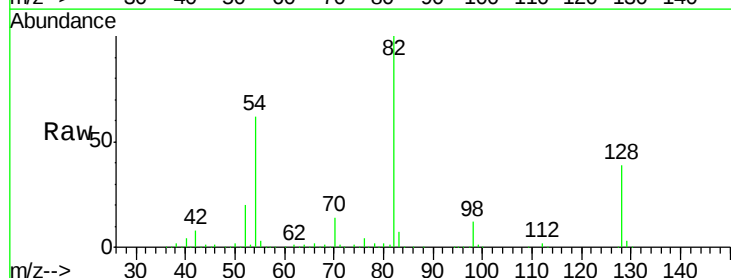


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

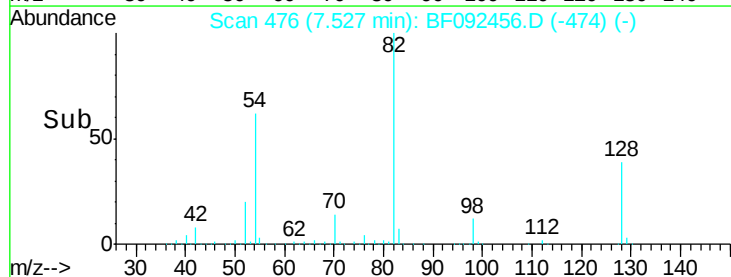
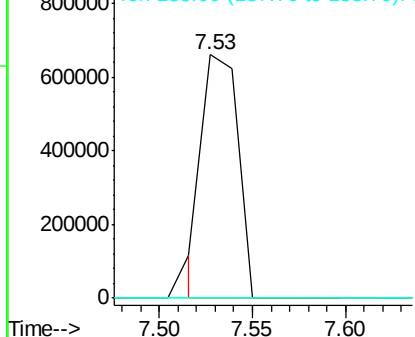


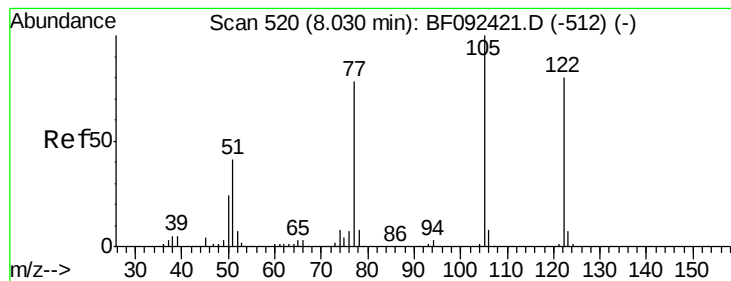
#25
 Isophorone
 Concen: 40.93 ng
 RT: 7.53 min Scan# 476
 Delta R.T. -0.27 min
 Lab File: BF092456.D
 Acq: 25 Jan 2017 3:47

Tgt Ion: 82 Resp: 882743
 Ion Ratio Lower Upper
 82 100
 95 0.1 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





#32

Benzoic acid

Concen: 4.78 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.11 min

Lab File: BF092456.D

Acq: 25 Jan 2017 3:47

Instrument :

BNA_F

ClientSampleId :

W-03

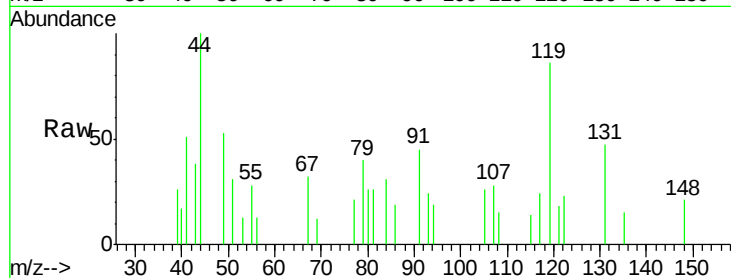
Tgt Ion:122 Resp: 698

Ion Ratio Lower Upper

122 100

105 114.2 107.2 147.2

77 90.8 74.5 114.5

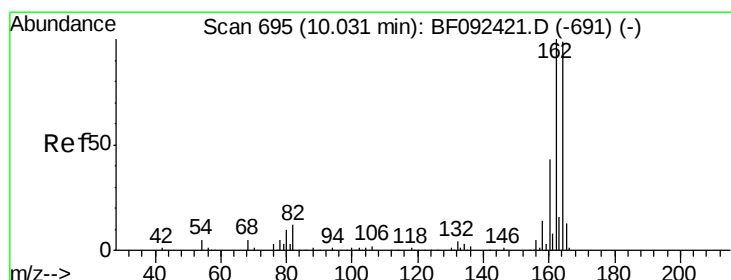
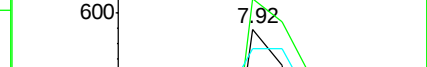
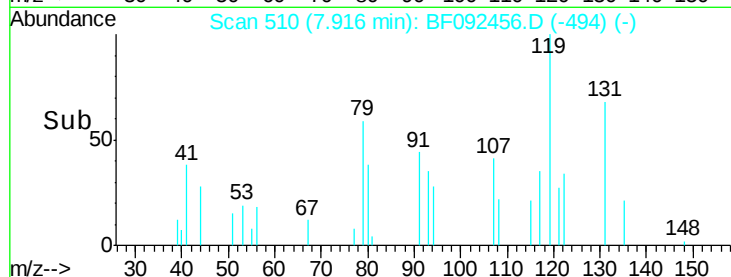


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF092456.D

Acq: 25 Jan 2017 3:47

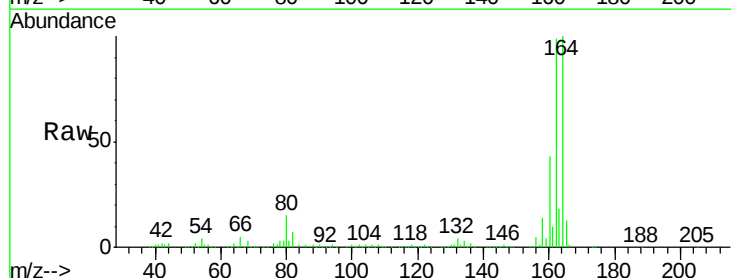
Tgt Ion:164 Resp: 305895

Ion Ratio Lower Upper

164 100

162 99.3 80.2 120.2

160 42.7 36.9 55.3

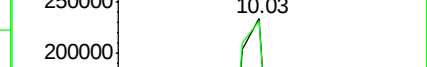
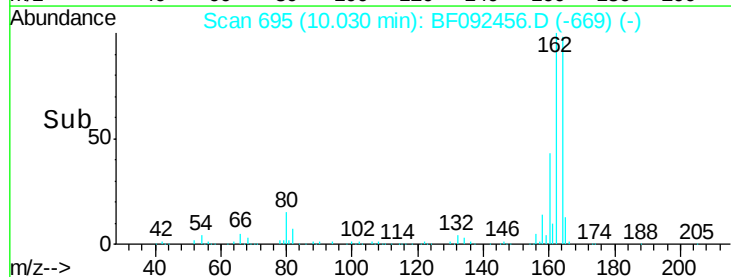


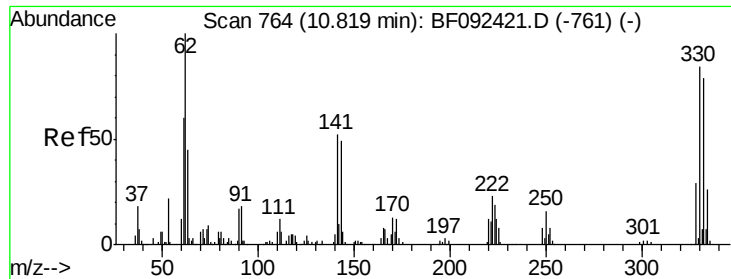
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time-->

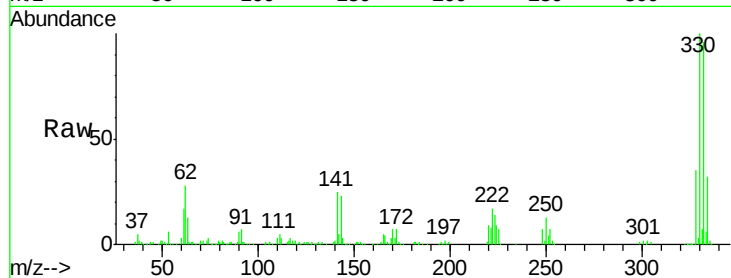




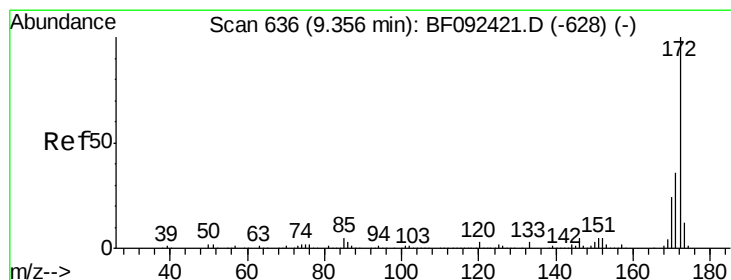
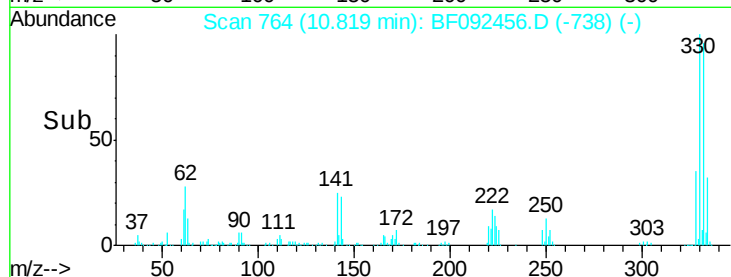
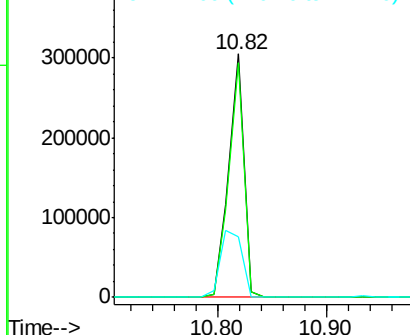
#41
 2,4,6-Tribromophenol
 Concen: 143.74 ng
 RT: 10.82 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BF092456.D
 Acq: 25 Jan 2017 3:47

Instrument :
 BNA_F
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Tgt Ion:330 Resp: 299633
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.4 116.2
 141 39.8 34.1 51.1

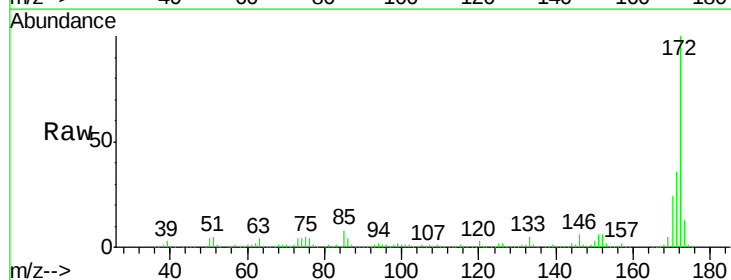


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

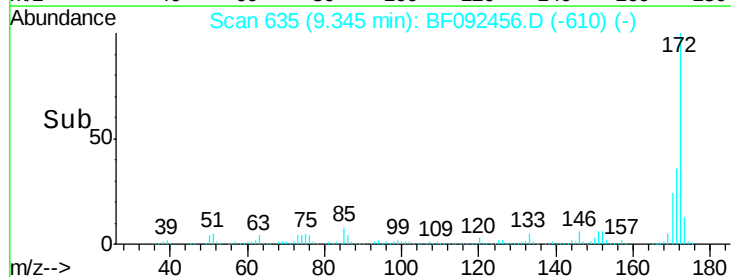
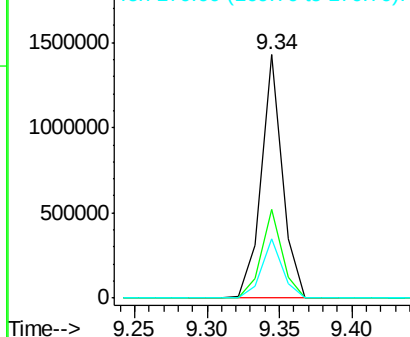


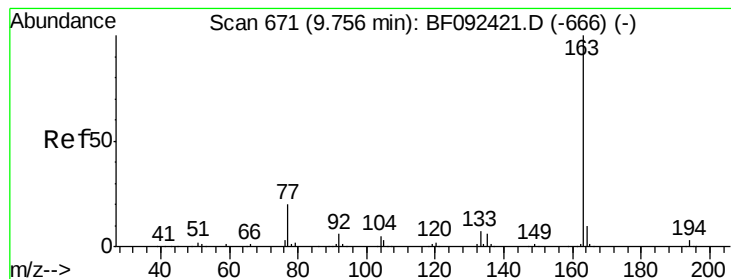
#44
 2-Fluorobiphenyl
 Concen: 87.42 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092456.D
 Acq: 25 Jan 2017 3:47

Tgt Ion:172 Resp: 1446189
 Ion Ratio Lower Upper
 172 100
 171 36.2 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





#49

Dimethylphthalate

Concen: 4.31 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.02 min

Lab File: BF092456.D

Acq: 25 Jan 2017 3:47

Instrument :

BNA_F

ClientSampleId :

W-03

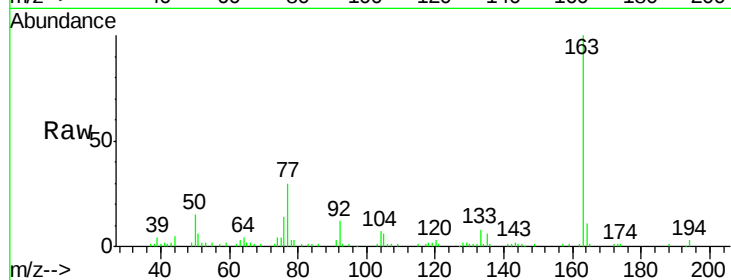
Tgt Ion:163 Resp: 83767

Ion Ratio Lower Upper

163 100

194 3.2 3.0 4.4

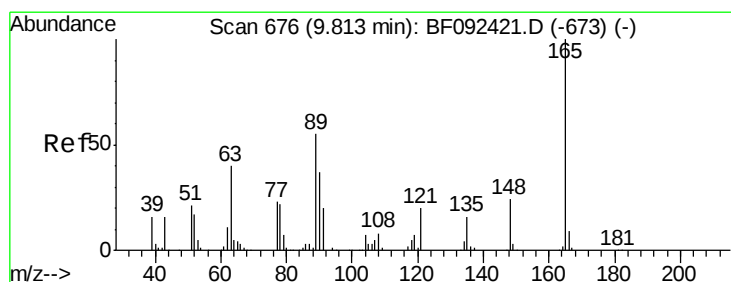
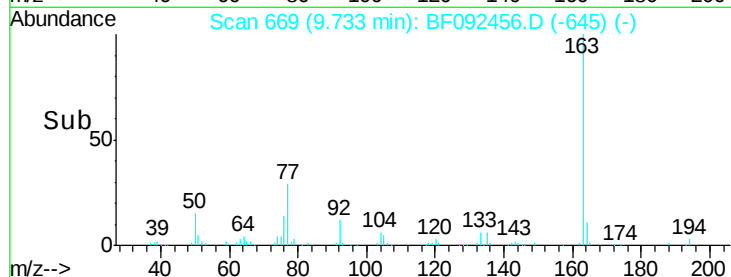
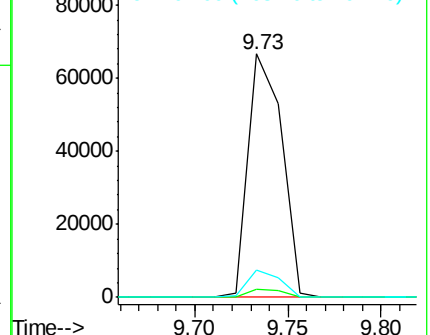
164 11.0 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 10.44 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.22 min

Lab File: BF092456.D

Acq: 25 Jan 2017 3:47

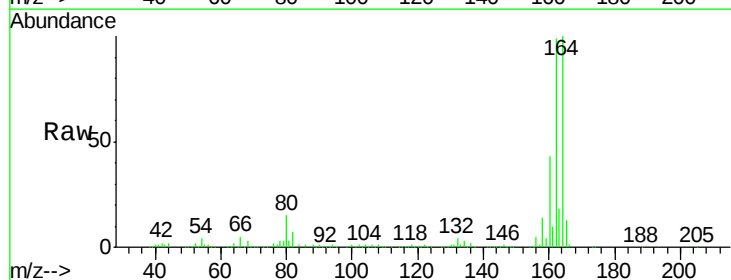
Tgt Ion:165 Resp: 41503

Ion Ratio Lower Upper

165 100

63 1.4 36.2 54.4#

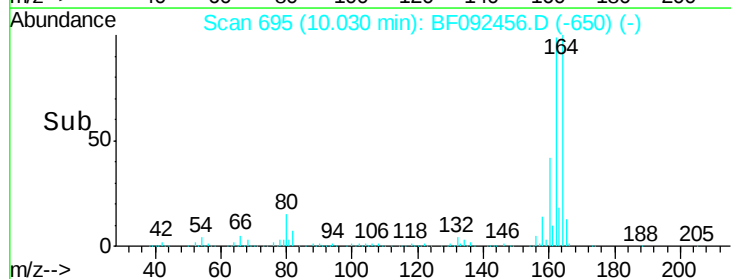
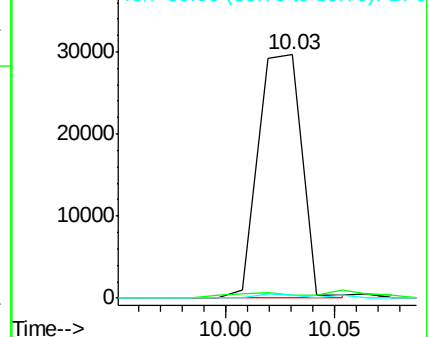
89 1.3 40.2 60.4#

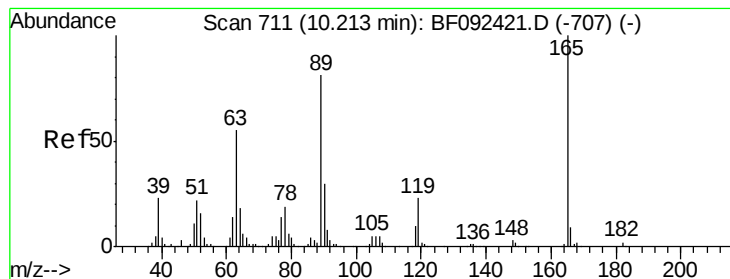


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 7.92 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.18 min

Lab File: BF092456.D

Acq: 25 Jan 2017 3:47

Instrument :

BNA_F

ClientSampleId :

W-03

Tgt Ion:165 Resp: 41825

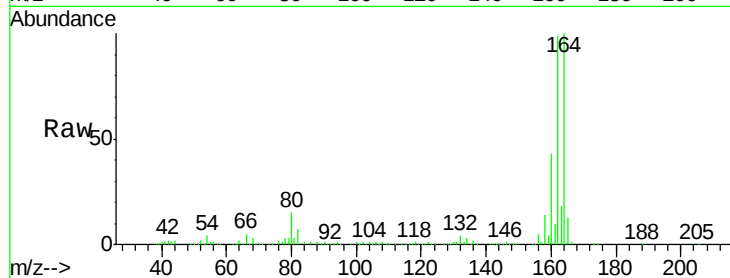
Ion Ratio Lower Upper

165 100

63 1.4 40.2 60.4#

89 1.3 62.5 93.7#

182 0.0 1.8 2.8#

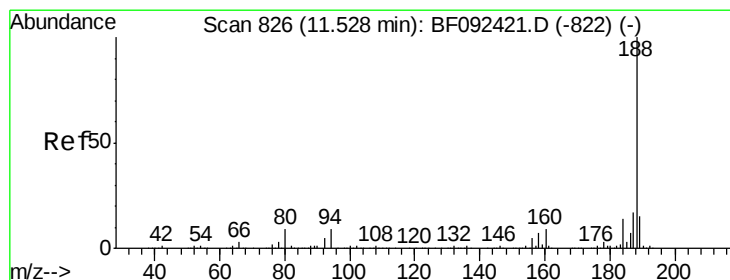
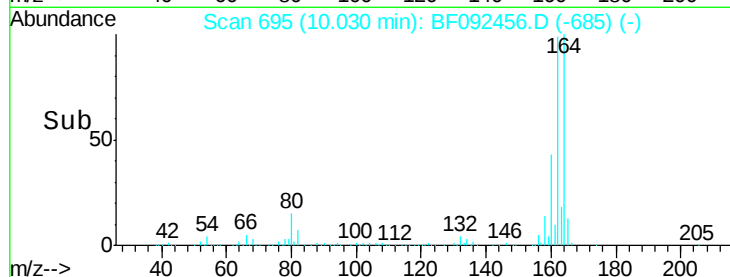
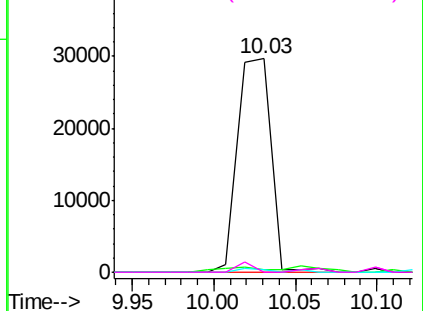


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.52 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF092456.D

Acq: 25 Jan 2017 3:47

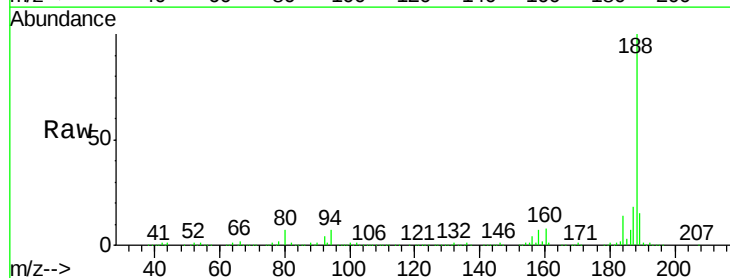
Tgt Ion:188 Resp: 458519

Ion Ratio Lower Upper

188 100

94 7.1 10.0 15.0#

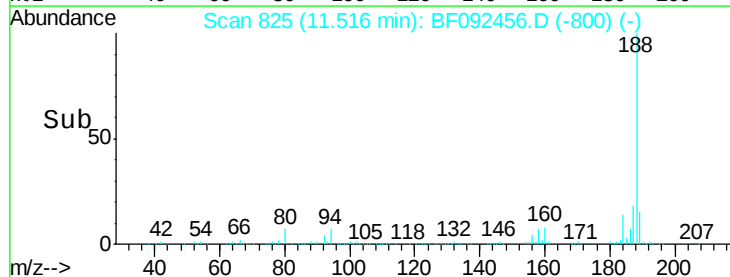
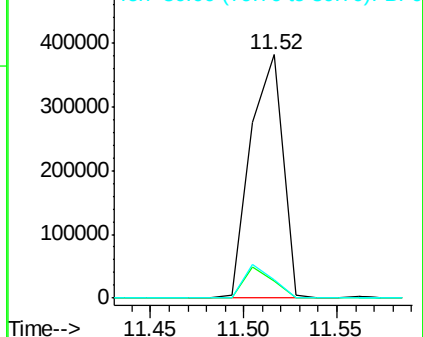
80 7.3 11.2 16.8#

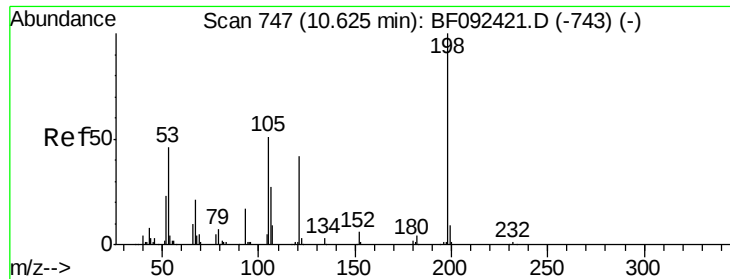


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

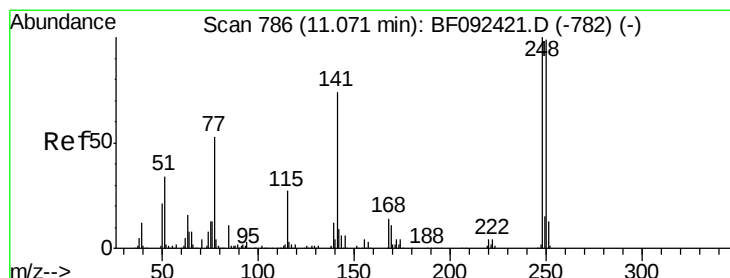
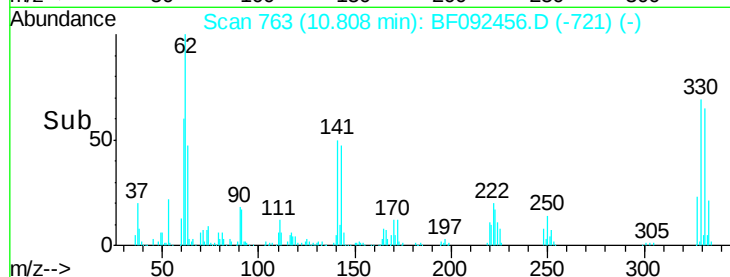
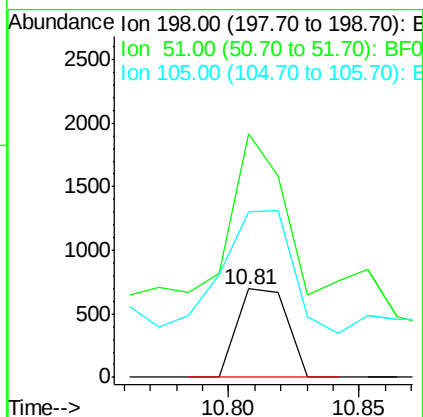
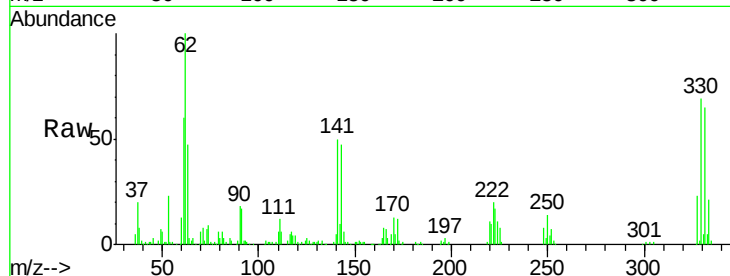




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.29 ng
 RT: 10.81 min Scan# 763
 Delta R.T. 0.18 min
 Lab File: BF092456.D
 Acq: 25 Jan 2017 3:47

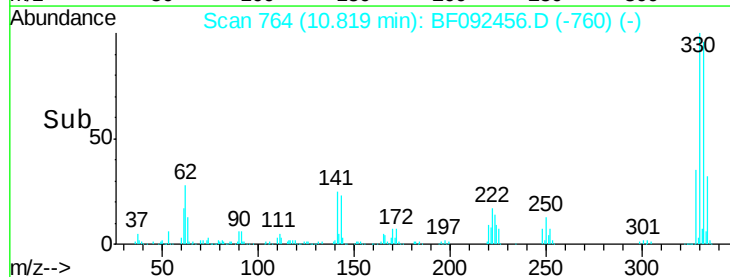
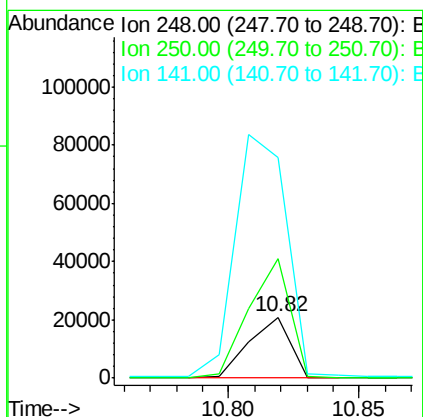
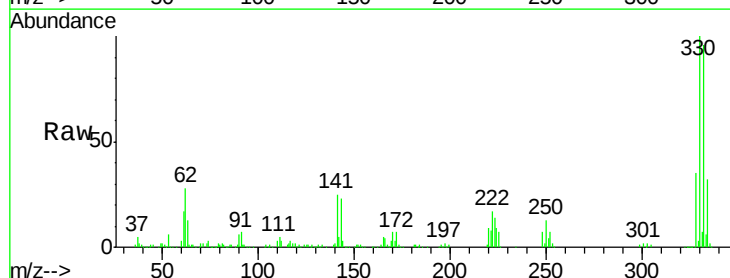
Instrument :
 BNA_F
 ClientSampleId :
 W-03

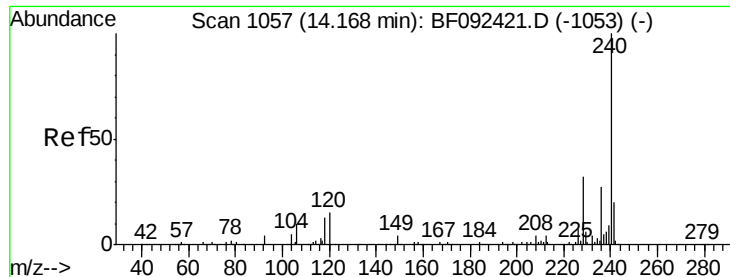
Tgt Ion:198 Resp: 935
 Ion Ratio Lower Upper
 198 100
 51 274.9 6.7 46.7#
 105 186.5 16.6 56.6#



#66
 4-Bromophenyl-phenylether
 Concen: 5.06 ng
 RT: 10.82 min Scan# 764
 Delta R.T. -0.25 min
 Lab File: BF092456.D
 Acq: 25 Jan 2017 3:47

Tgt Ion:248 Resp: 23432
 Ion Ratio Lower Upper
 248 100
 250 198.0 76.9 115.3#
 141 364.6 68.2 102.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.15 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF092456.D

Acq: 25 Jan 2017 3:47

Instrument :

BNA_F

ClientSampleId :

W-03

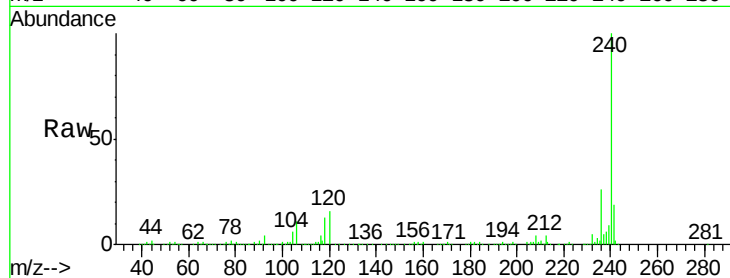
Tgt Ion:240 Resp: 302105

Ion Ratio Lower Upper

240 100

120 15.6 12.9 19.3

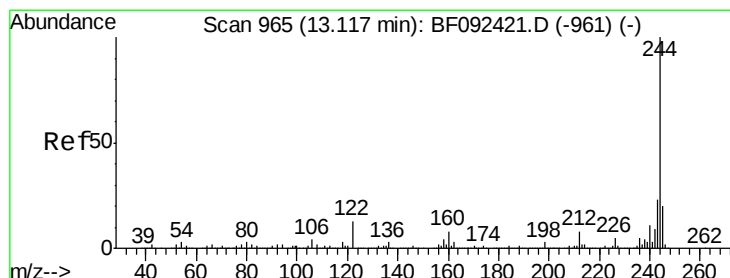
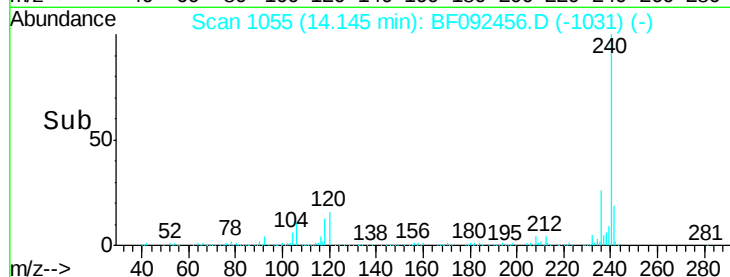
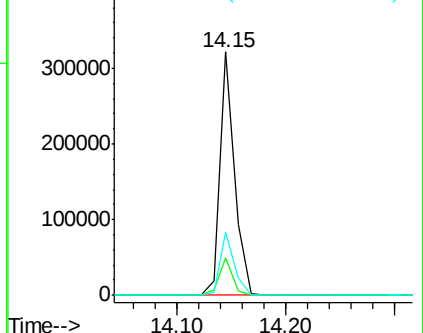
236 25.8 20.9 31.3



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: 110.81 ng

RT: 13.10 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092456.D

Acq: 25 Jan 2017 3:47

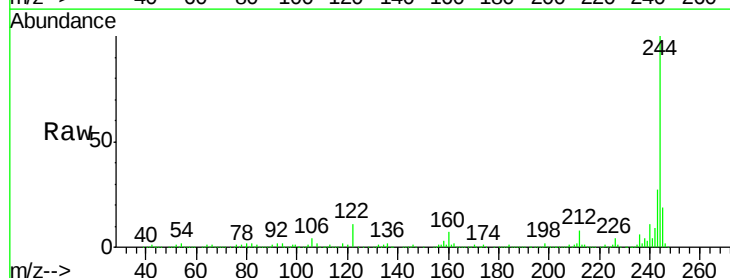
Tgt Ion:244 Resp: 1257138

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

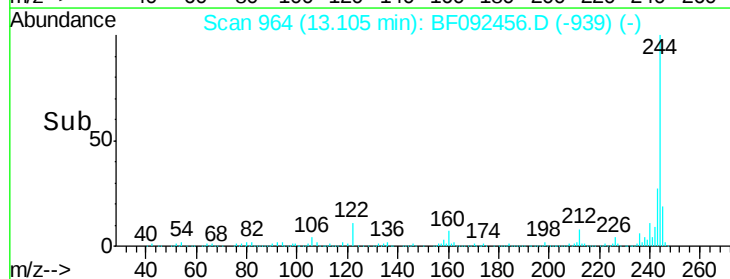
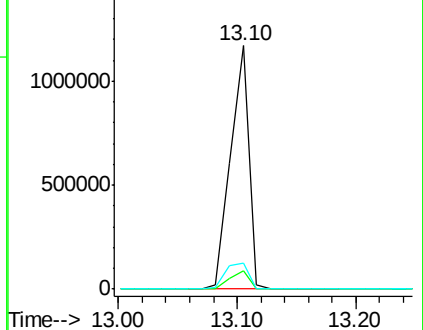
122 10.7 11.4 17.2#

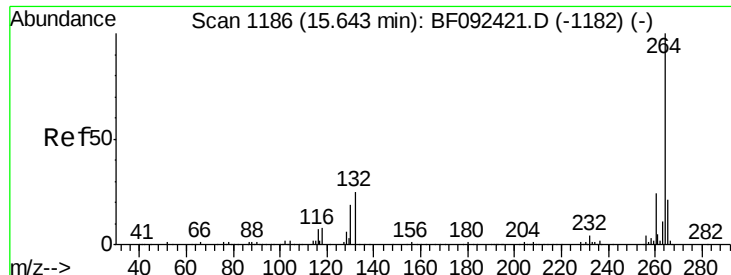


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.63 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF092456.D
Acq: 25 Jan 2017 3:47

Instrument :
BNA_F
ClientSampleId :
W-03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	21.6	17.4	26.0

