

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
 Data File : BF084456.D
 Acq On : 13 Jan 2016 22:04
 Operator : SJ/UM
 Sample : H1079-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP1

Quant Time: Jan 14 11:13:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

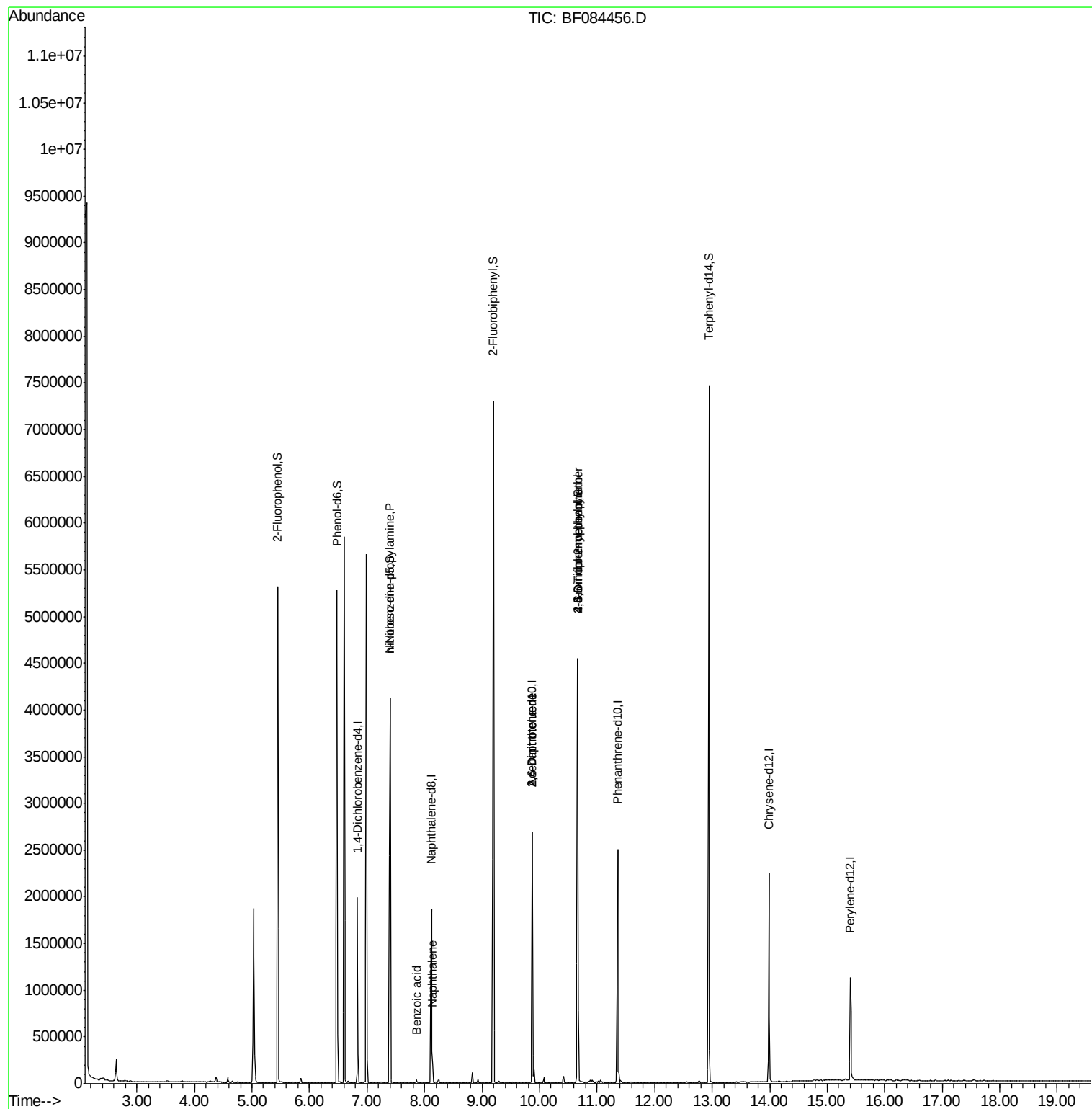
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	262003	20.00	ng	-0.07
21) Naphthalene-d8	8.12	136	1092415	20.00	ng	-0.07
38) Acenaphthene-d10	9.87	164	507146	20.00	ng	-0.08
63) Phenanthrene-d10	11.36	188	972651	20.00	ng	-0.07
75) Chrysene-d12	13.99	240	795180	20.00	ng	-0.08
86) Perylene-d12	15.40	264	547441	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1557670	96.16	ng	-0.04
7) Phenol-d6	6.48	99	1774420	87.22	ng	-0.06
23) Nitrobenzene-d5	7.40	82	1574492	80.22	ng	-0.07
41) 2,4,6-Tribromophenol	10.66	330	556624	108.71	ng	-0.08
44) 2-Fluorobiphenyl	9.20	172	2246145	77.34	ng	-0.07
78) Terphenyl-d14	12.95	244	2411422	67.69	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	213395	15.50	ng	# 76
31) Naphthalene	8.13	128	176826	3.57	ng	99
32) Benzoic acid	7.86	122	2660	6.44	ng	97
50) 2,6-Dinitrotoluene	9.87	165	66498	8.36	ng	# 37
54) Dibenzofuran	10.08	168	27542	Below Cal		98
56) 2,4-Dinitrotoluene	9.87	165	66500	6.61	ng	# 21
57) Fluorene	10.42	166	22893	Below Cal		97
64) 4,6-Dinitro-2-methylphenol	10.66	198	1180	6.57	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	34579	3.30	ng	# 1
73) Di-n-butylphthalate	11.92	149	3139	Below Cal		# 79

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

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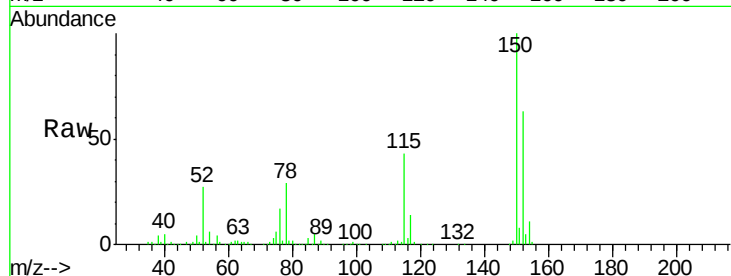


#1

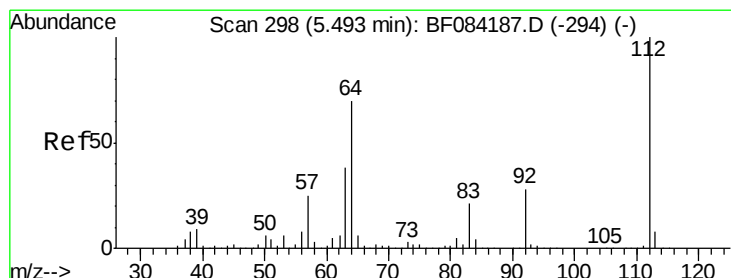
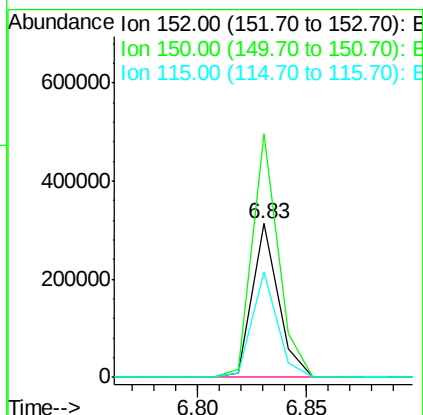
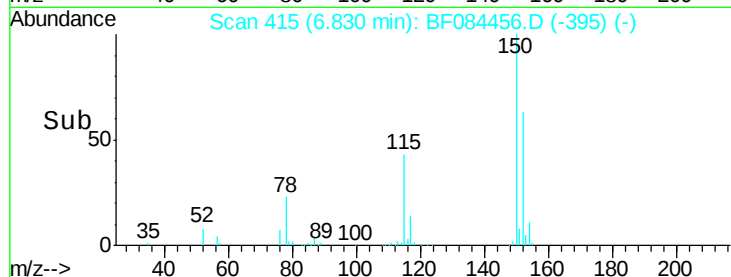
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.07 min
Lab File: BF084456.D
Acq: 13 Jan 2016 22:04

Instrument :
BNA_F
ClientSampleId :
TEC-COMP1

Tot Ion:152 Resp: 262003
Ion Ratio Lower Upper
152 100
150 158.4 123.0 184.4
115 68.5 51.4 77.2



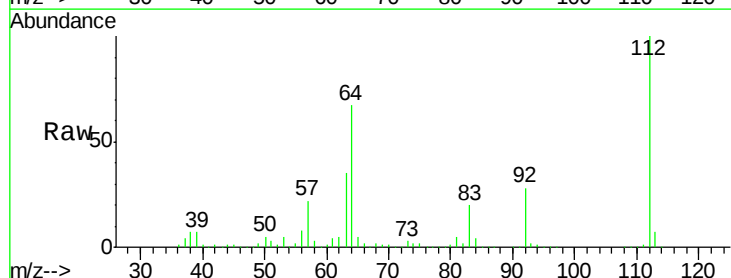
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



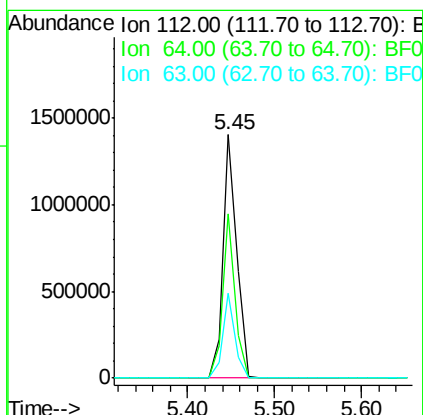
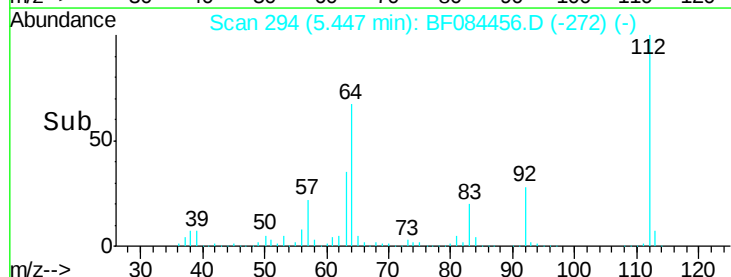
#5

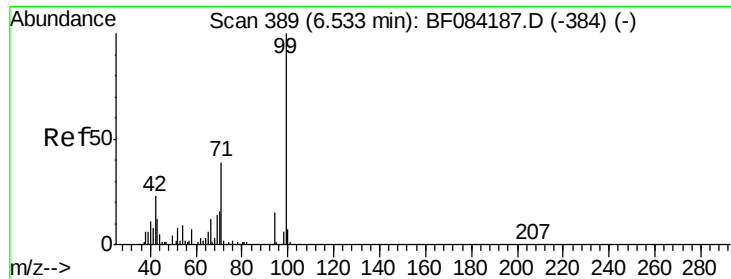
2-Fluorophenol
Concen: 96.16 ng
RT: 5.45 min Scan# 294
Delta R.T. -0.04 min
Lab File: BF084456.D
Acq: 13 Jan 2016 22:04

Tgt Ion:112 Resp: 1557670
Ion Ratio Lower Upper
112 100
64 67.3 36.6 55.0#
63 34.8 19.4 29.0#



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: 87.22 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.06 min

Lab File: BF084456.D

Acq: 13 Jan 2016 22:04

Instrument :

BNA_F

ClientSampleId :

TEC-COMP1

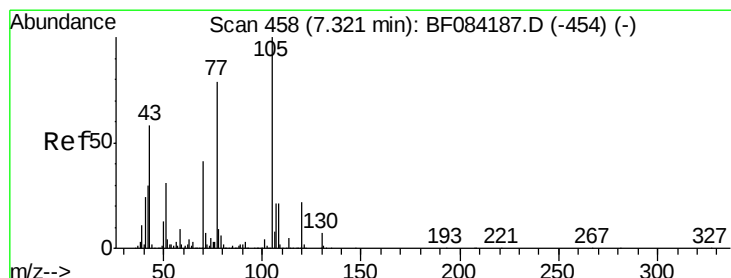
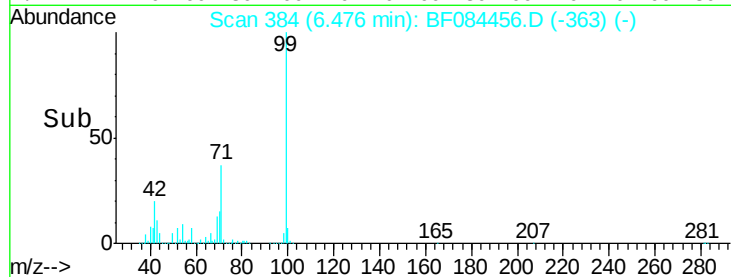
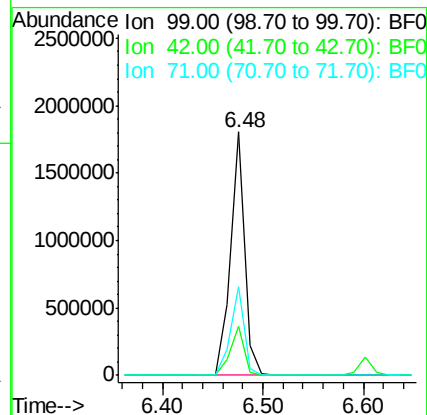
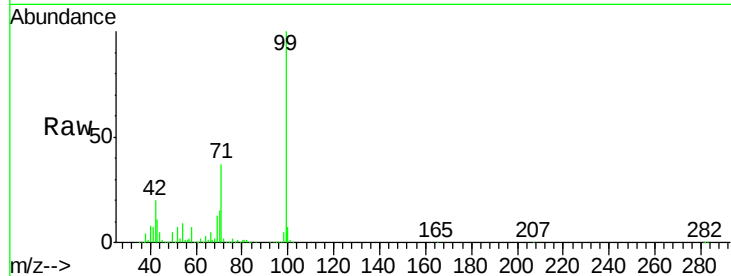
Tot Ion: 99 Resp: 1774420

Ion Ratio Lower Upper

99 100

42 20.4 12.8 19.2#

71 36.5 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.50 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.08 min

Lab File: BF084456.D

Acq: 13 Jan 2016 22:04

Tgt Ion: 70 Resp: 213395

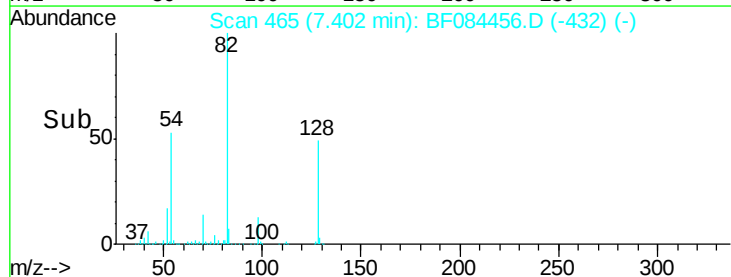
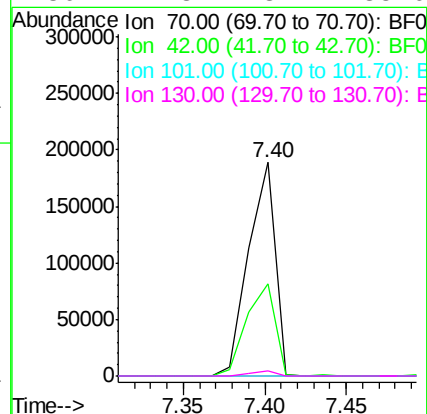
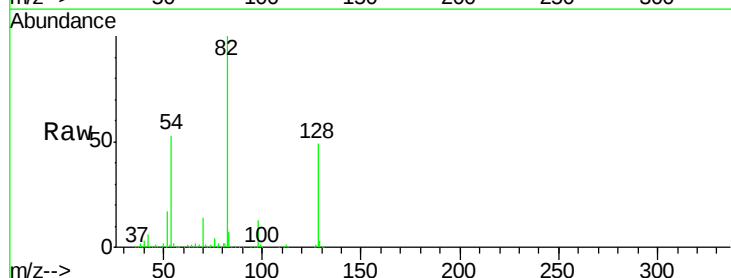
Ion Ratio Lower Upper

70 100

42 43.5 33.3 49.9

101 0.0 9.3 13.9#

130 2.3 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.07 min

Lab File: BF084456.D

Acq: 13 Jan 2016 22:04

Instrument :

BNA_F

ClientSampleId :

TEC-COMP1

Tot Ion:136 Resp: 1092415

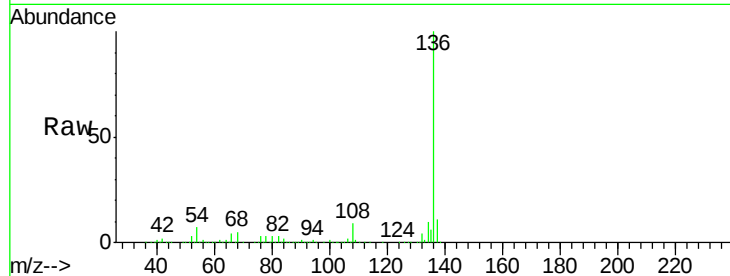
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 6.7 5.8 8.8

68 4.6 4.2 6.2

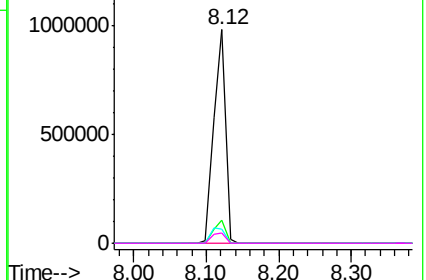
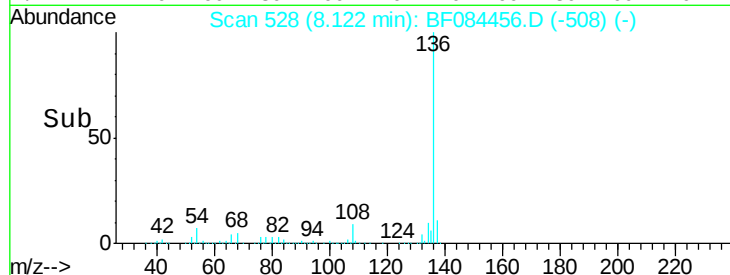


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.22 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.07 min

Lab File: BF084456.D

Acq: 13 Jan 2016 22:04

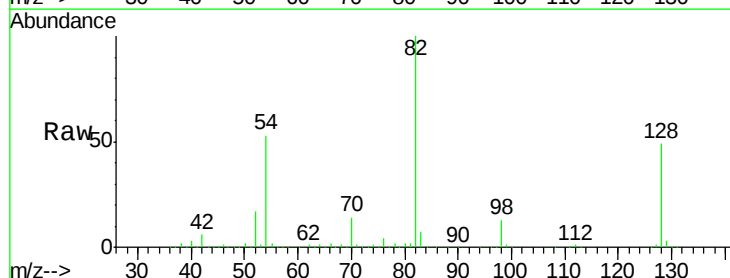
Tgt Ion: 82 Resp: 1574492

Ion Ratio Lower Upper

82 100

128 48.7 34.6 51.8

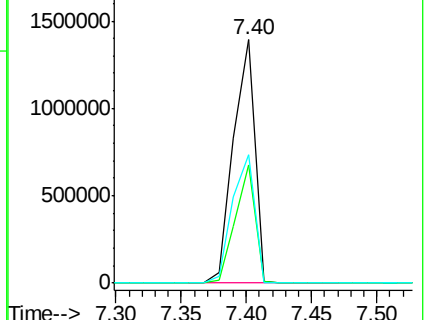
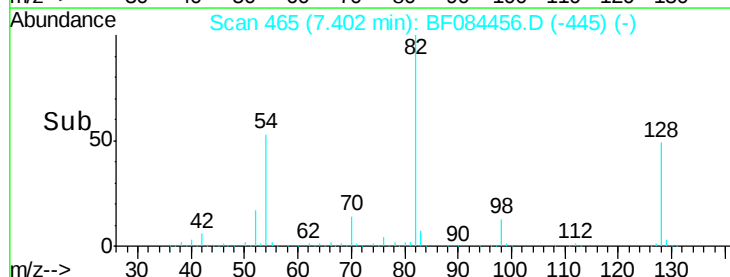
54 52.5 38.4 57.6

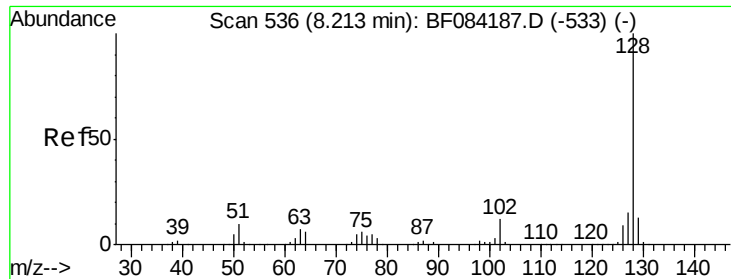


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

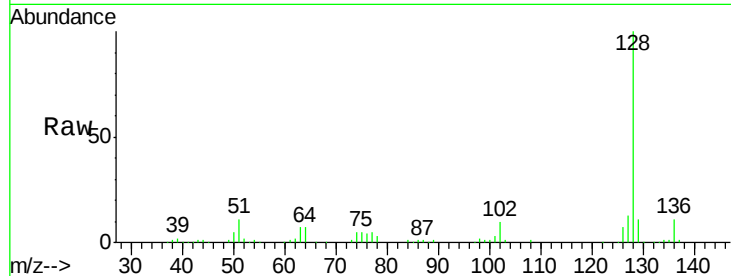




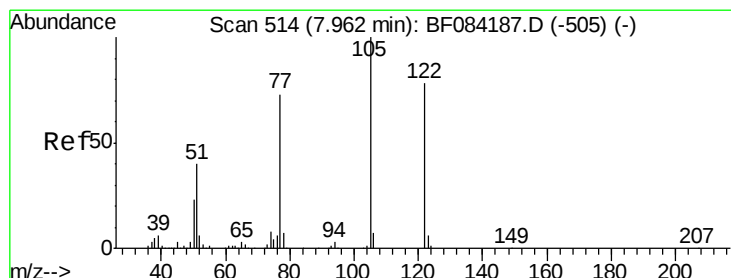
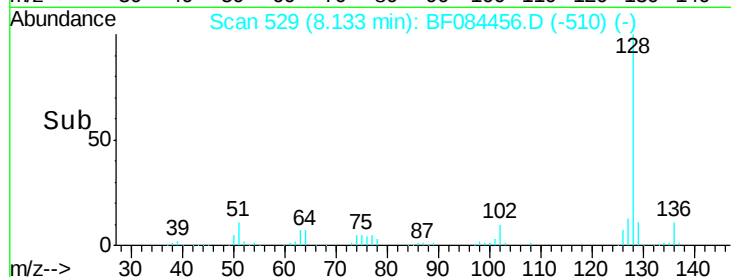
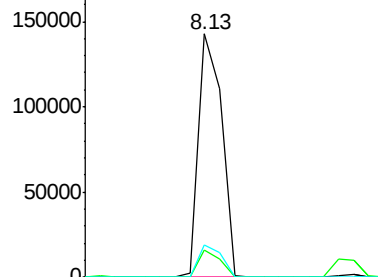
#31
Naphthalene
Concen: 3.57 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.08 min
Lab File: BF084456.D
Acq: 13 Jan 2016 22:04

Instrument :
BNA_F
ClientSampleId :
TEC-COMP1

Tot Ion:128 Resp: 176826
Ion Ratio Lower Upper
128 100
129 11.3 9.1 13.7
127 13.2 11.1 16.7

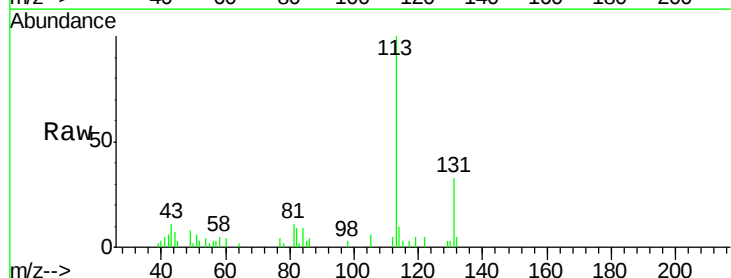


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

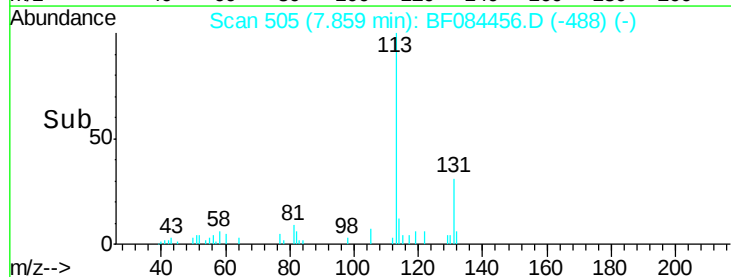
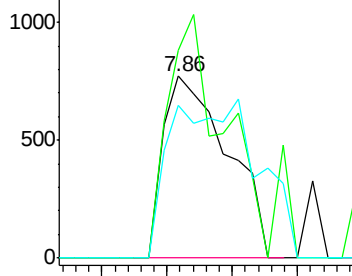


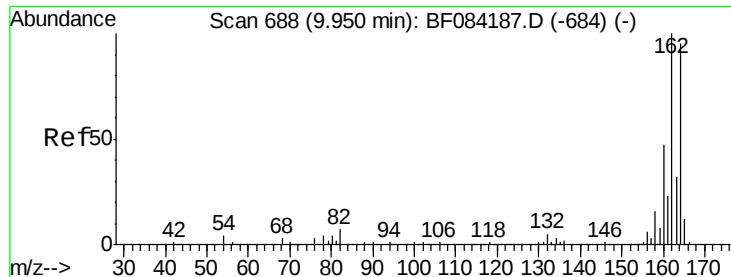
#32
Benzoic acid
Concen: 6.44 ng
RT: 7.86 min Scan# 505
Delta R.T. -0.10 min
Lab File: BF084456.D
Acq: 13 Jan 2016 22:04

Tgt Ion:122 Resp: 2660
Ion Ratio Lower Upper
122 100
105 114.3 100.3 140.3
77 83.8 63.5 103.5



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.08 min

Lab File: BF084456.D

Acq: 13 Jan 2016 22:04

Instrument :

BNA_F

ClientSampleId :

TEC-COMP1

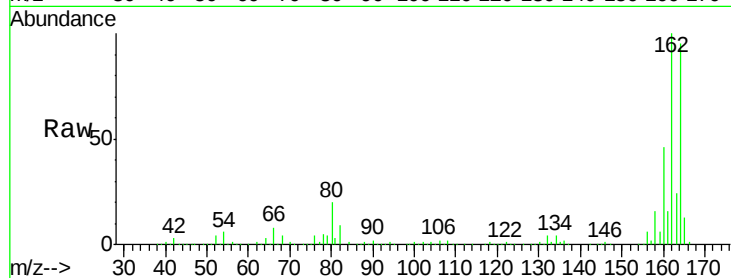
Tot Ion:164 Resp: 507146

Ion Ratio Lower Upper

164 100

162 105.3 85.1 127.7

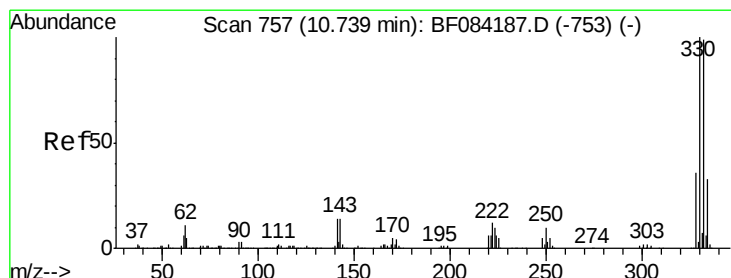
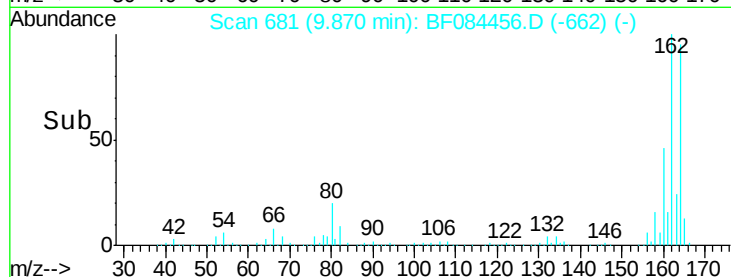
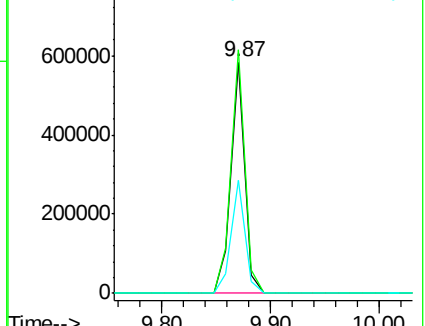
160 48.8 37.5 56.3



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: 108.71 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.08 min

Lab File: BF084456.D

Acq: 13 Jan 2016 22:04

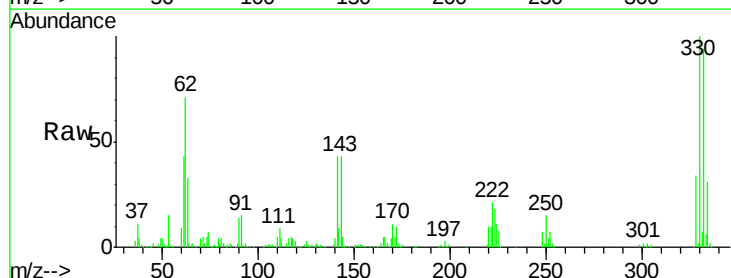
Tgt Ion:330 Resp: 556624

Ion Ratio Lower Upper

330 100

332 95.6 76.6 114.8

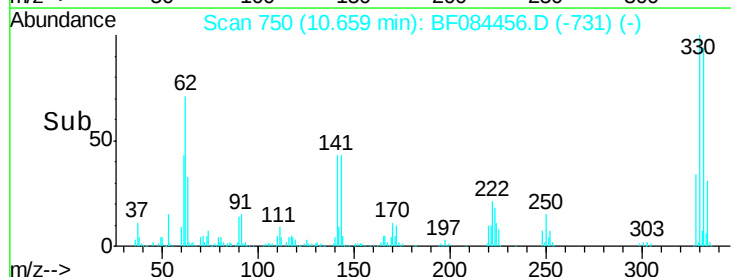
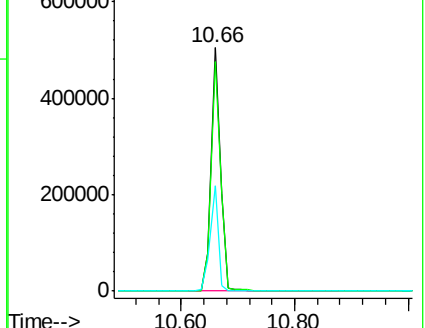
141 37.2 27.8 41.6

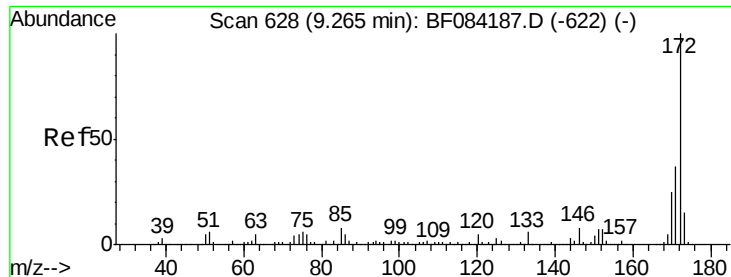


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

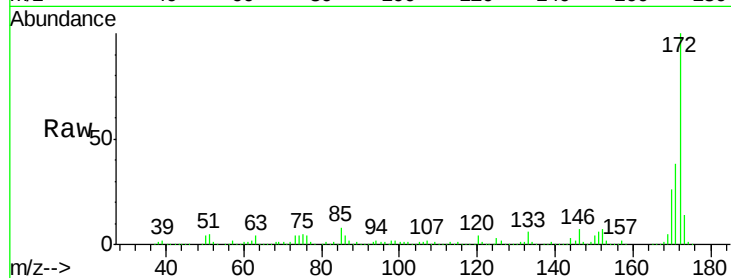




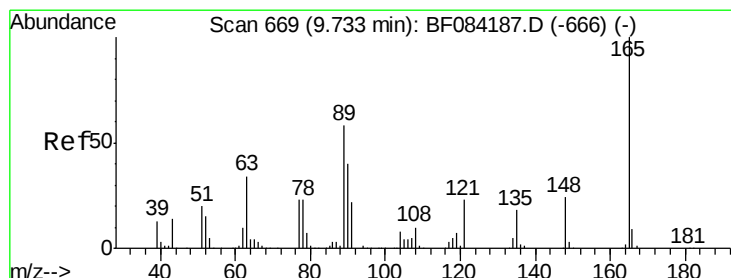
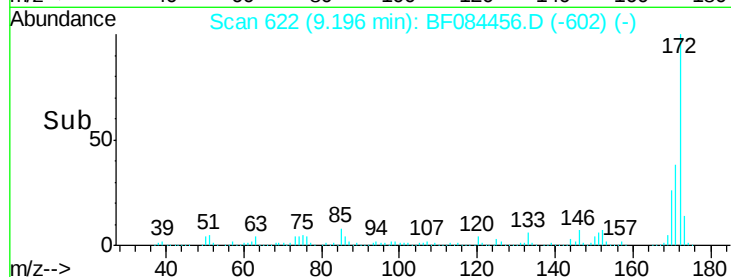
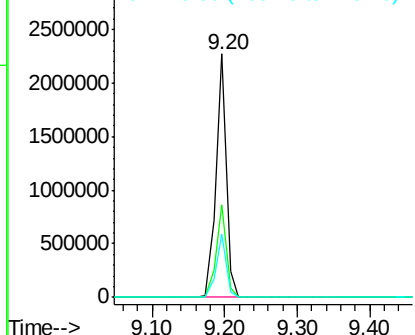
#44
 2-Fluorobiphenyl
 Concen: 77.34 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.07 min
 Lab File: BF084456.D
 Acq: 13 Jan 2016 22:04

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP1

Tot Ion:172 Resp: 2246145
 Ion Ratio Lower Upper
 172 100
 171 37.8 28.9 43.3
 170 26.0 18.6 27.8

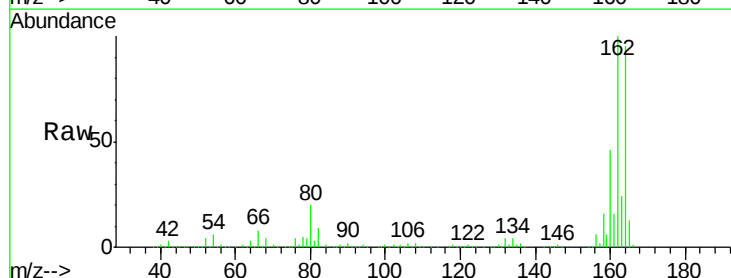


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

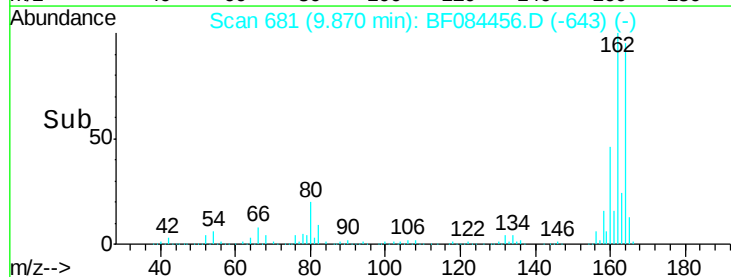
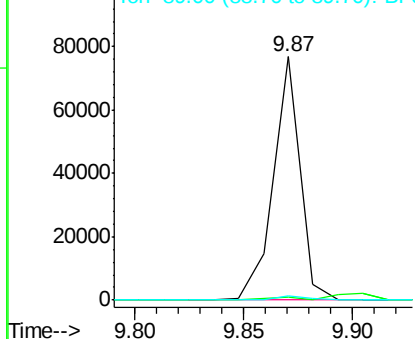


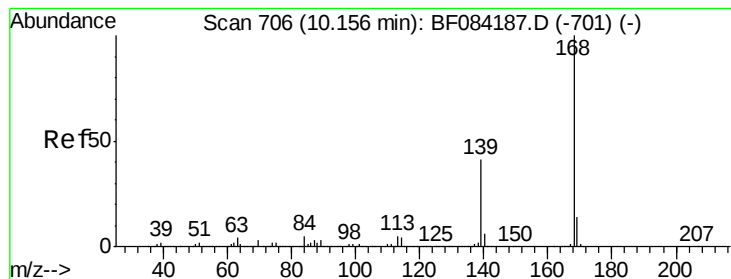
#50
 2,6-Dinitrotoluene
 Concen: 8.36 ng
 RT: 9.87 min Scan# 681
 Delta R.T. 0.14 min
 Lab File: BF084456.D
 Acq: 13 Jan 2016 22:04

Tgt Ion:165 Resp: 66498
 Ion Ratio Lower Upper
 165 100
 63 1.3 28.8 43.2#
 89 1.5 35.1 52.7#



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





#54

Dibenzofuran

Concen: Below Cal

RT: 10.08 min Scan# 699

Delta R.T. -0.08 min

Lab File: BF084456.D

Acq: 13 Jan 2016 22:04

Instrument :

BNA_F

ClientSampleId :

TEC-COMP1

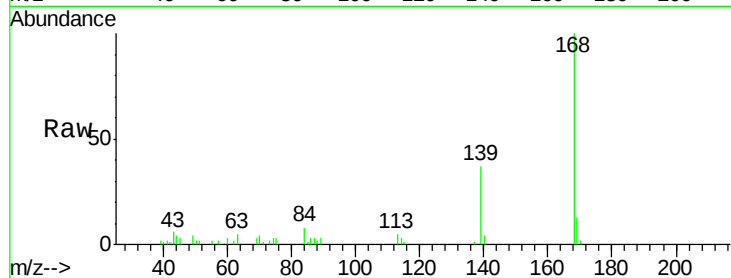
Tot Ion:168 Resp: 27542

Ion Ratio Lower Upper

168 100

139 37.0 30.5 45.7

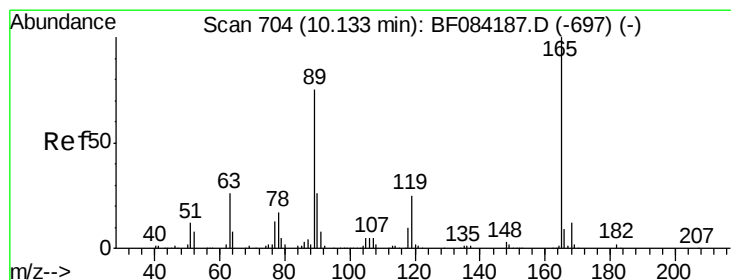
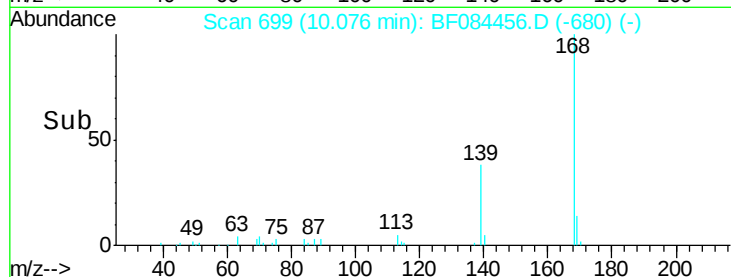
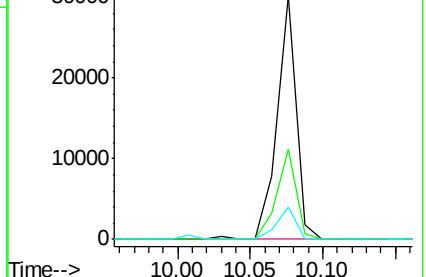
169 13.4 10.4 15.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 6.61 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.26 min

Lab File: BF084456.D

Acq: 13 Jan 2016 22:04

Tgt Ion:165 Resp: 66500

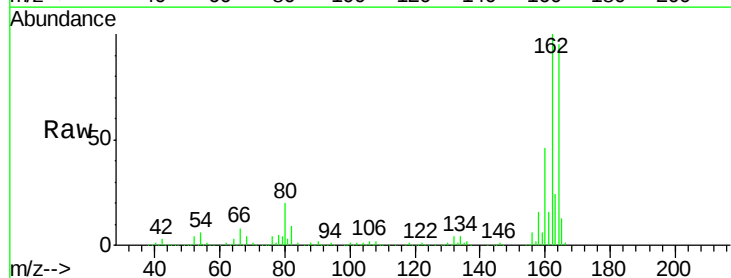
Ion Ratio Lower Upper

165 100

63 1.3 36.7 55.1#

89 1.5 61.9 92.9#

182 0.0 2.0 3.0#

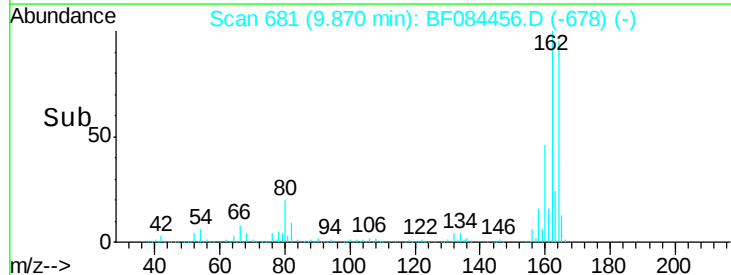
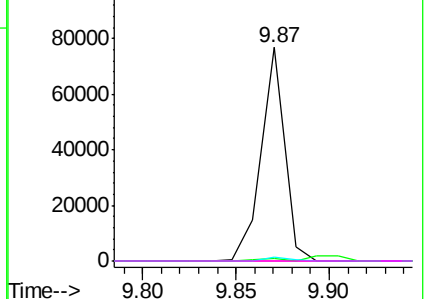


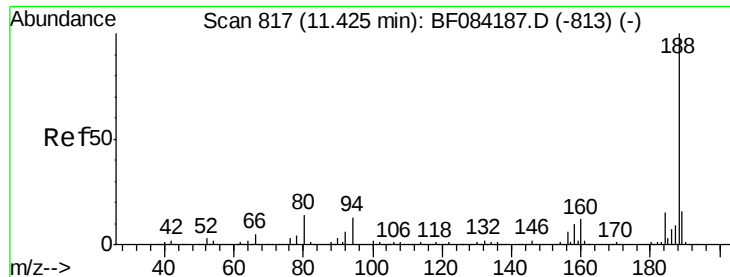
Abundance Ion 165.00 (164.70 to 165.70): E

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

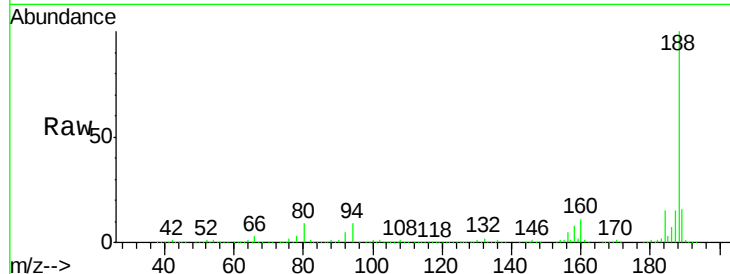




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.07 min
Lab File: BF084456.D
Acq: 13 Jan 2016 22:04

Instrument :
BNA_F
ClientSampleId :
TEC-COMP1

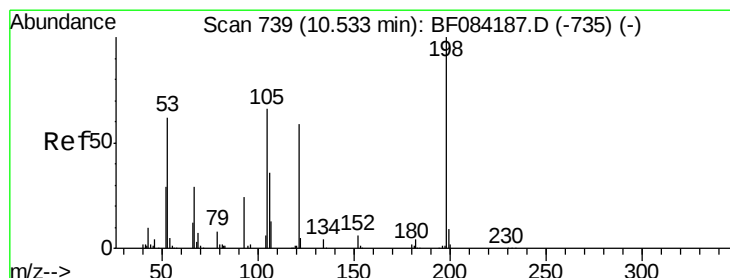
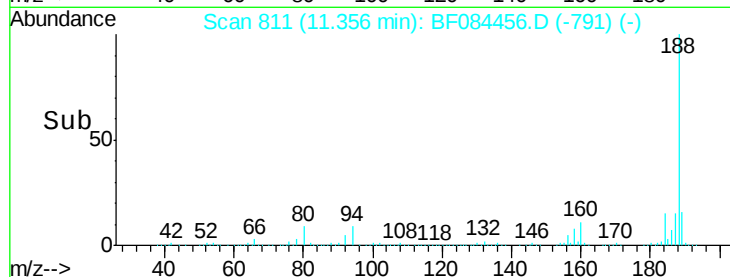
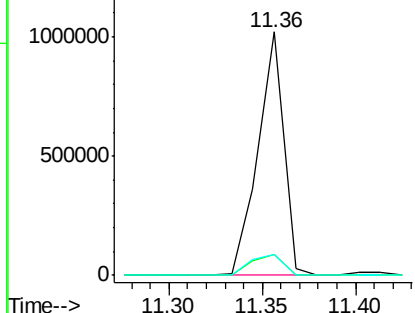
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.6	9.0	13.4#
80	8.7	9.6	14.4#



Abundance Ion 188.00 (187.70 to 188.70): E

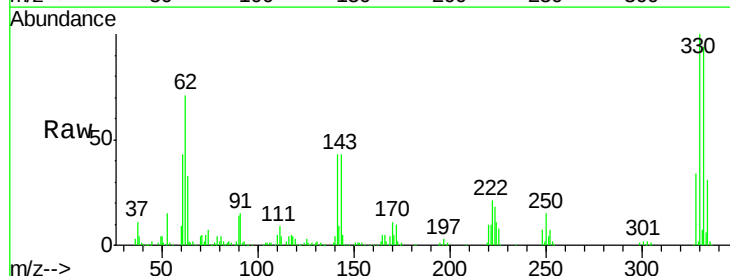
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64
4,6-Dinitro-2-methylphenol
Concen: 6.57 ng
RT: 10.66 min Scan# 750
Delta R.T. 0.13 min
Lab File: BF084456.D
Acq: 13 Jan 2016 22:04

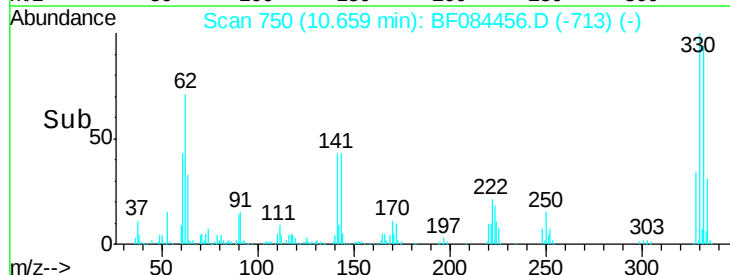
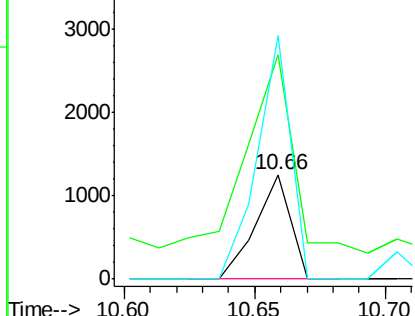
Tgt Ion	Ratio	Lower	Upper
198	100		
51	215.3	18.9	58.9#
105	233.2	26.4	66.4#

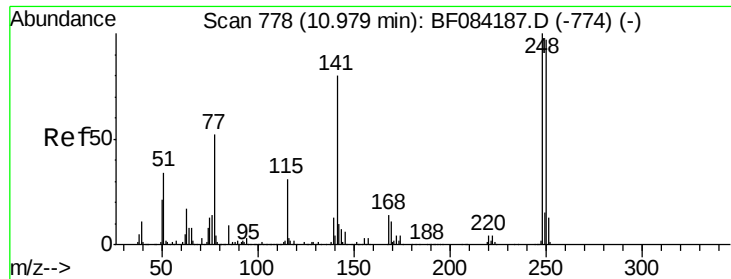


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

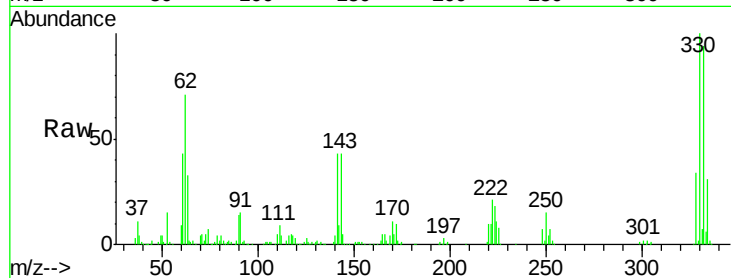




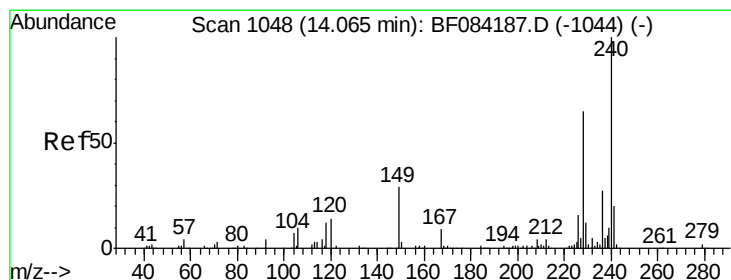
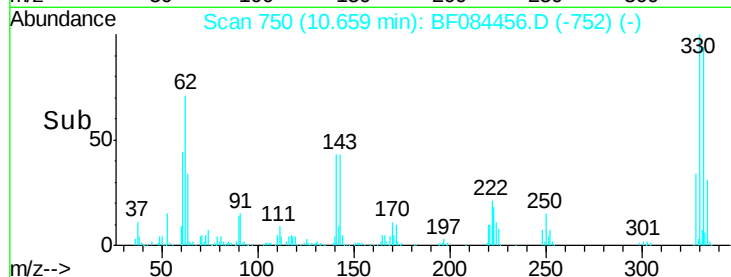
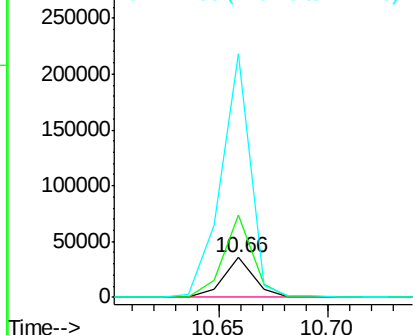
#66
 4-Bromophenyl-phenylether
 Concen: 3.30 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.32 min
 Lab File: BF084456.D
 Acq: 13 Jan 2016 22:04

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP1

Tot Ion:248 Resp: 34579
 Ion Ratio Lower Upper
 248 100
 250 205.9 78.4 117.6#
 141 608.4 44.0 66.0#

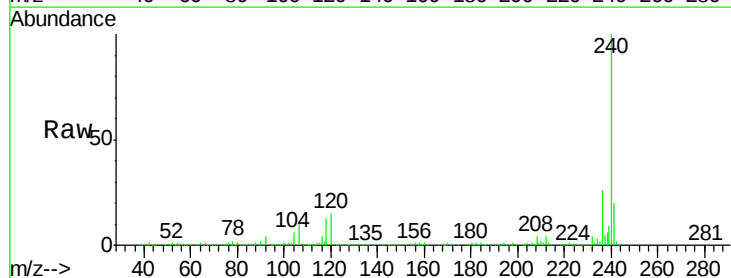


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

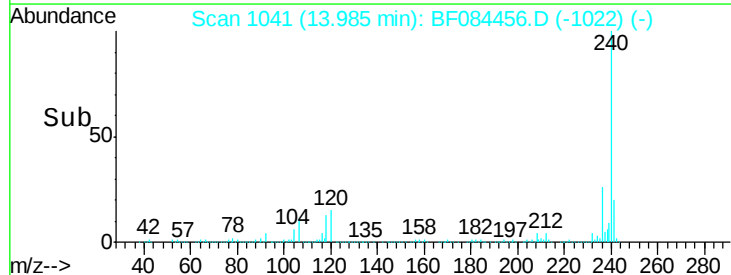
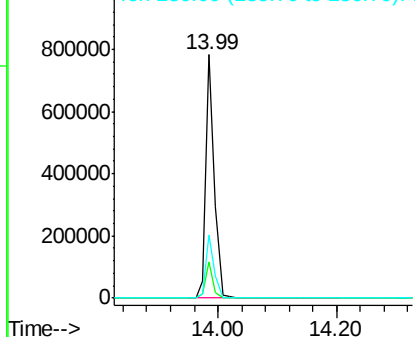


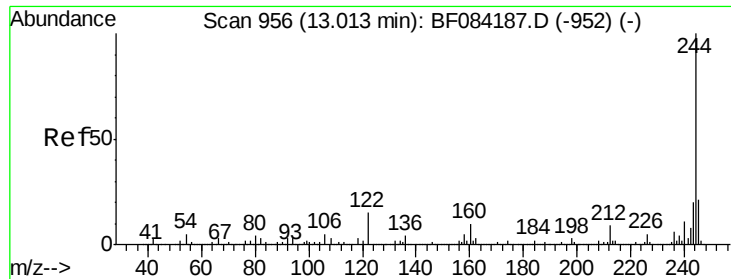
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.08 min
 Lab File: BF084456.D
 Acq: 13 Jan 2016 22:04

Tgt Ion:240 Resp: 795180
 Ion Ratio Lower Upper
 240 100
 120 14.8 9.5 14.3#
 236 25.7 20.6 31.0



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

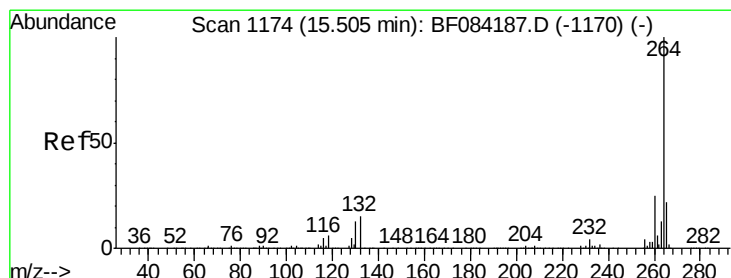
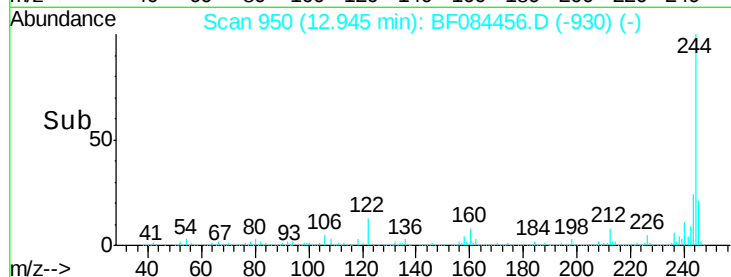
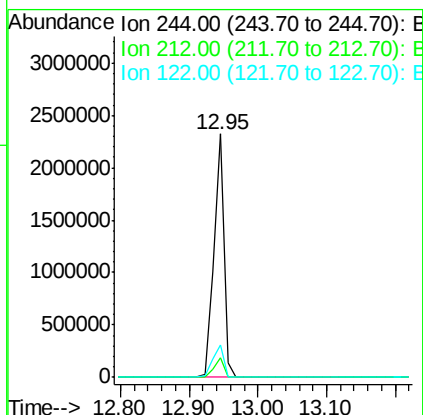
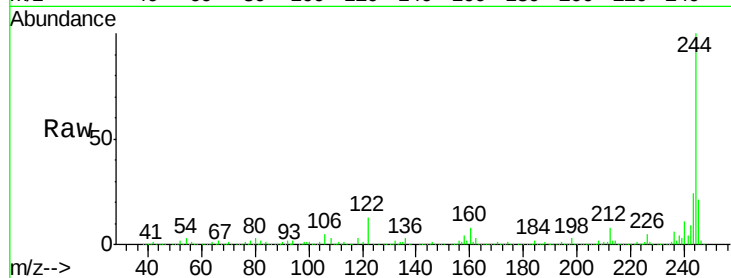




#78
 Terphenyl-d14
 Concen: 67.69 ng
 RT: 12.95 min Scan# 950
 Delta R.T. -0.07 min
 Lab File: BF084456.D
 Acq: 13 Jan 2016 22:04

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP1

Tot Ion:244 Resp: 2411422
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.7 8.5
 122 13.3 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.10 min
 Lab File: BF084456.D
 Acq: 13 Jan 2016 22:04

Tgt Ion:264 Resp: 547441
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.4 29.2
 265 22.5 17.8 26.6

