

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
 Data File : BF084381.D
 Acq On : 11 Jan 2016 15:54
 Operator : SJ/UM
 Sample : H1035-02RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAZ-COMP

Quant Time: Jan 12 01:40:42 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	6.85	152	257904	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1001662	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	456628	20.00	ng	-0.06
63) Phenanthrene-d10	11.38	188	758723	20.00	ng	-0.05
75) Chrysene-d12	14.01	240	480906	20.00	ng	-0.06
86) Perylene-d12	15.44	264	429294	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1435205	90.01	ng	-0.02
7) Phenol-d6	6.50	99	1560015	77.90	ng	-0.03
23) Nitrobenzene-d5	7.42	82	1198276	66.58	ng	-0.05
41) 2,4,6-Tribromophenol	10.68	330	352570	76.48	ng	-0.06
44) 2-Fluorobiphenyl	9.22	172	1746052	65.84	ng	-0.04
78) Terphenyl-d14	12.97	244	1332983	61.87	ng	-0.05

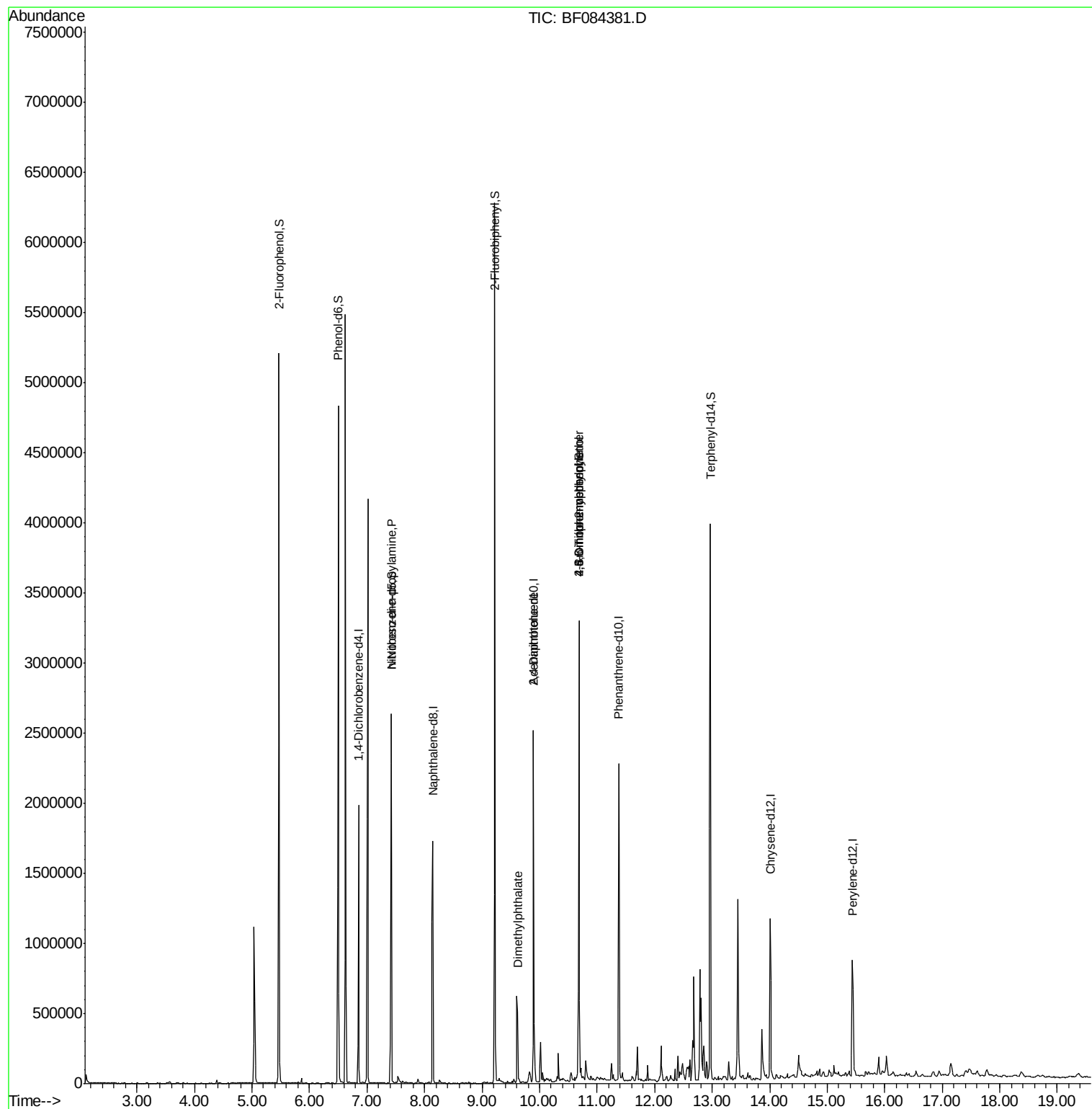
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	166099	12.25	ng	# 76
49) Dimethylphthalate	9.62	163	359549	11.01	ng	# 90
54) Dibenzofuran	10.10	168	713	Below Cal		# 45
56) 2,4-Dinitrotoluene	9.89	165	59184	6.53	ng	# 21
57) Fluorene	10.68	166	15375	Below Cal		# 92
60) 4-Chlorophenyl-phenylether	10.66	204	1300	Below Cal		# 70
64) 4,6-Dinitro-2-methylphenol	10.68	198	803	6.55	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	23927	2.93	ng	# 1
73) Di-n-butylphthalate	11.94	149	2568	Below Cal		# 67

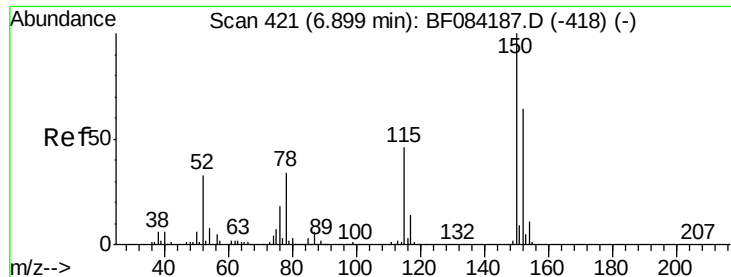
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 12 01:40:42 2016
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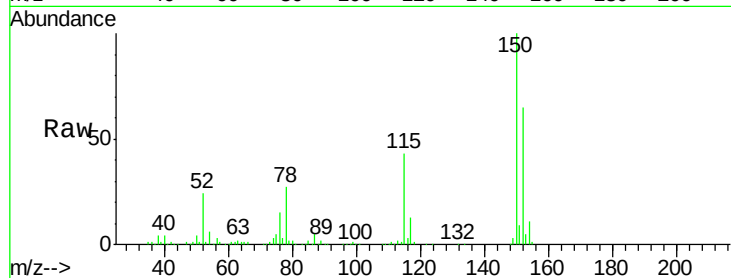


#1

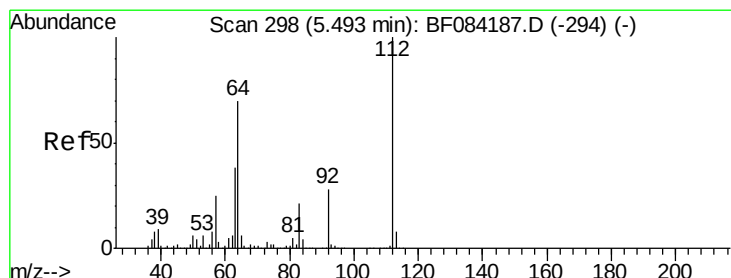
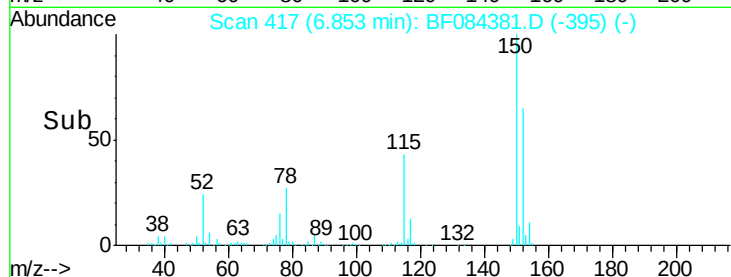
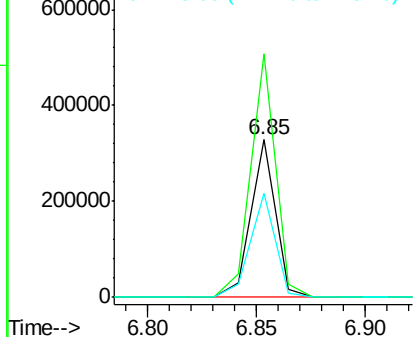
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.05 min
Lab File: BF084381.D
Acq: 11 Jan 2016 15:54

Instrument :
BNA_F
ClientSampleId :
HAZ-COMP

Tgt Ion:152 Resp: 257904
Ion Ratio Lower Upper
152 100
150 154.4 123.0 184.4
115 66.2 51.4 77.2



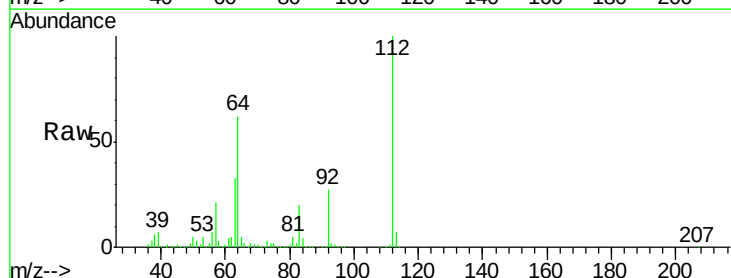
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



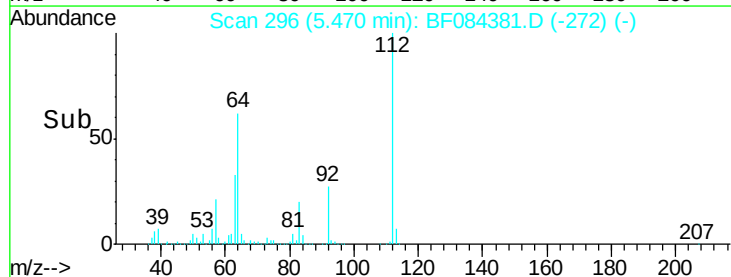
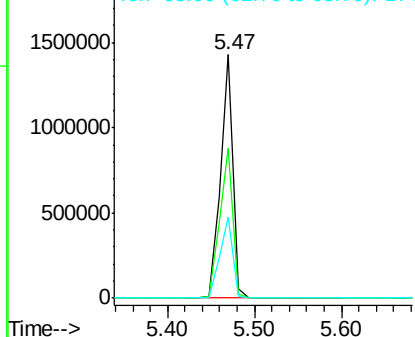
#5

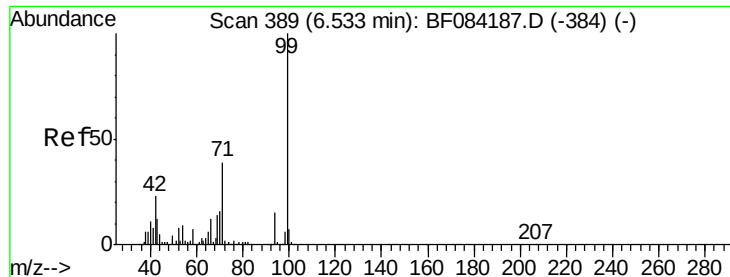
2-Fluorophenol
Concen: 90.01 ng
RT: 5.47 min Scan# 296
Delta R.T. -0.02 min
Lab File: BF084381.D
Acq: 11 Jan 2016 15:54

Tgt Ion:112 Resp: 1435205
Ion Ratio Lower Upper
112 100
64 61.5 36.6 55.0#
63 33.3 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: 77.90 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.03 min

Lab File: BF084381.D

Acq: 11 Jan 2016 15:54

Instrument :

BNA_F

ClientSampleId :

HAZ-COMP

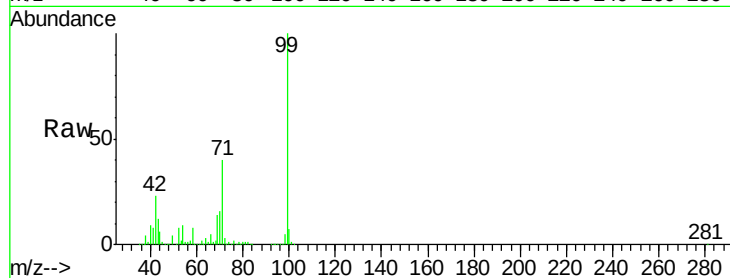
Tgt Ion: 99 Resp: 1560015

Ion Ratio Lower Upper

99 100

42 23.2 12.8 19.2#

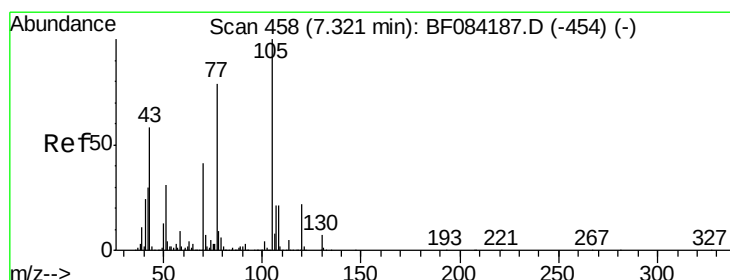
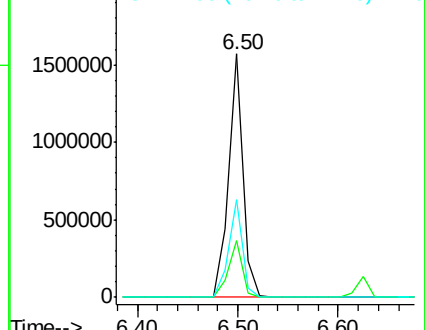
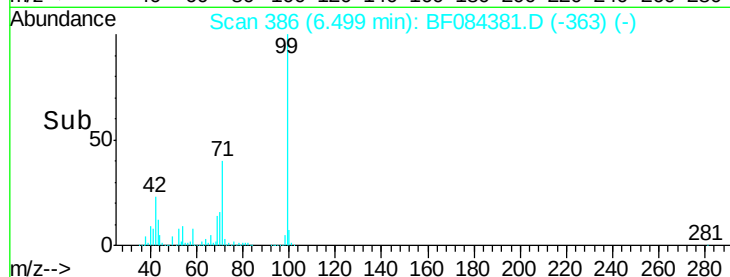
71 40.0 30.9 46.3



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: 12.25 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.10 min

Lab File: BF084381.D

Acq: 11 Jan 2016 15:54

Tgt Ion: 70 Resp: 166099

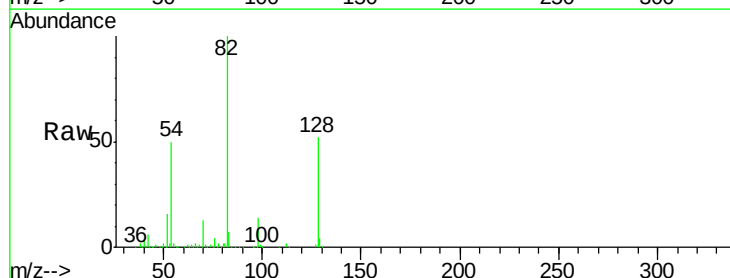
Ion Ratio Lower Upper

70 100

42 43.7 33.3 49.9

101 0.0 9.3 13.9#

130 2.3 23.4 35.0#

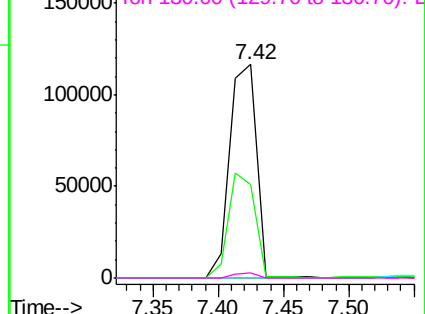
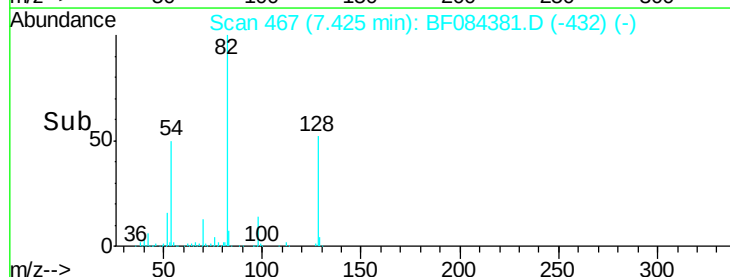


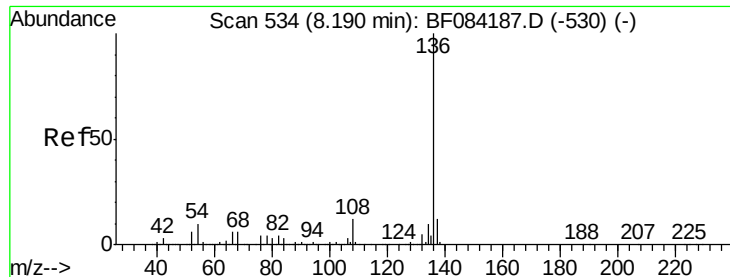
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

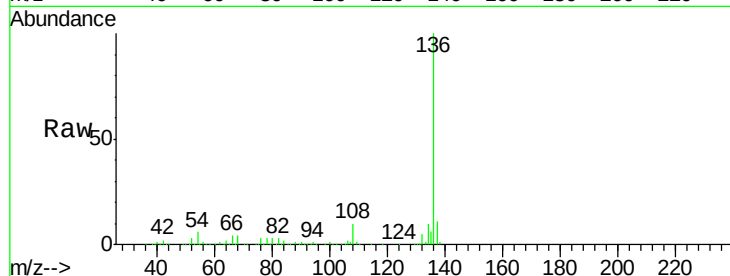




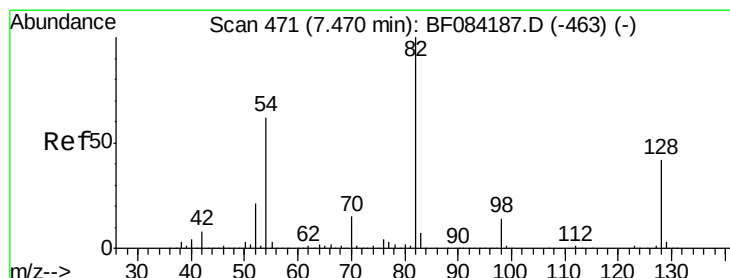
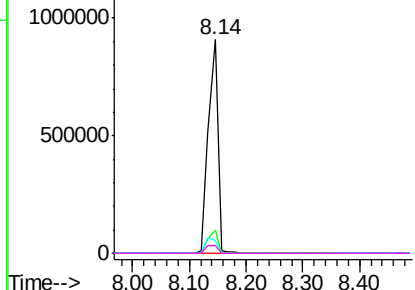
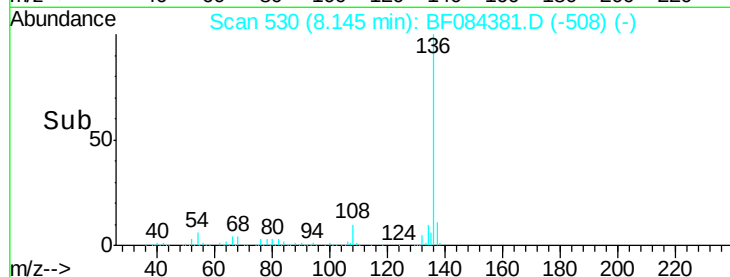
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.05 min
Lab File: BF084381.D
Acq: 11 Jan 2016 15:54

Instrument :
BNA_F
ClientSampleId :
HAZ-COMP

Tgt Ion:136 Resp: 1001662
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 6.2 5.8 8.8
68 3.7 4.2 6.2#

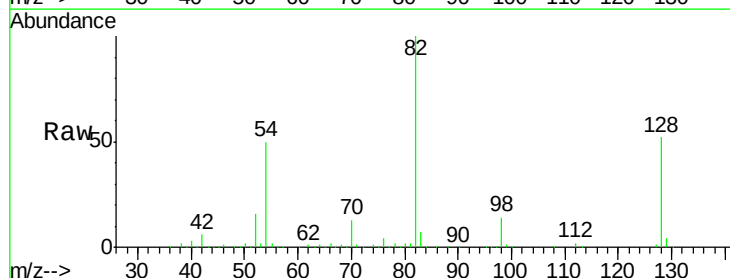


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

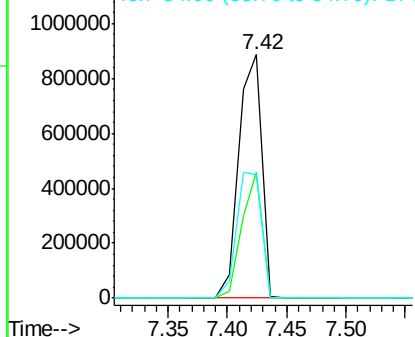
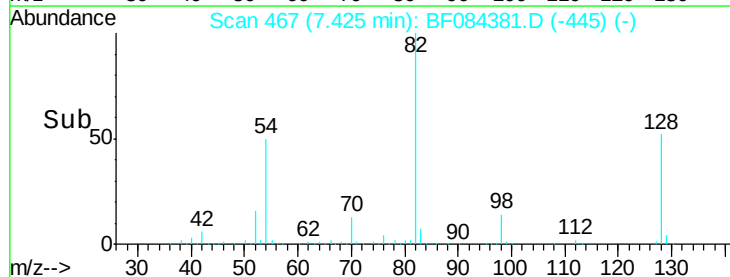


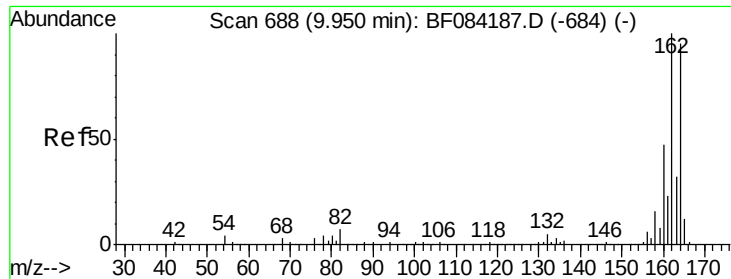
#23
Nitrobenzene-d5
Concen: 66.58 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.05 min
Lab File: BF084381.D
Acq: 11 Jan 2016 15:54

Tgt Ion: 82 Resp: 1198276
Ion Ratio Lower Upper
82 100
128 51.6 34.6 51.8
54 50.4 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

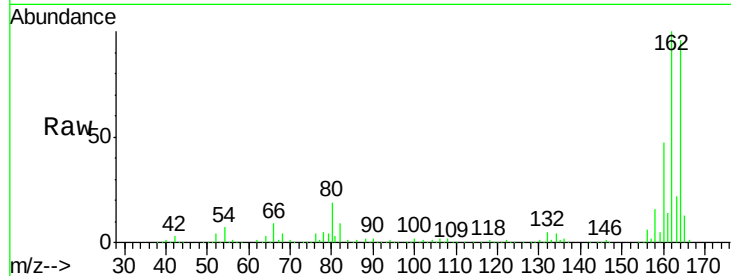




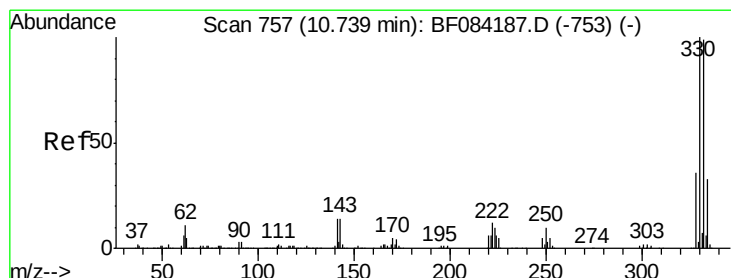
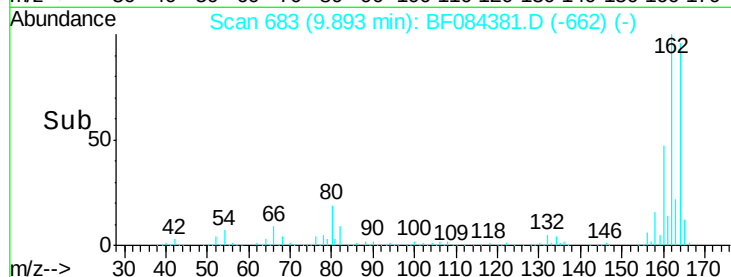
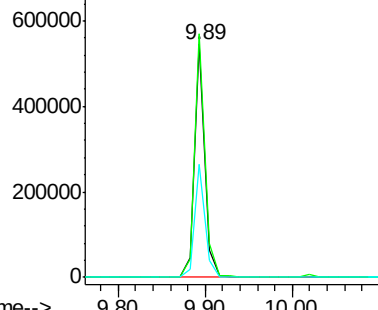
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.06 min
 Lab File: BF084381.D
 Acq: 11 Jan 2016 15:54

Instrument :
 BNA_F
 ClientSampleId :
 HAZ-COMP

Tgt Ion:164 Resp: 456628
 Ion Ratio Lower Upper
 164 100
 162 104.5 85.1 127.7
 160 48.7 37.5 56.3

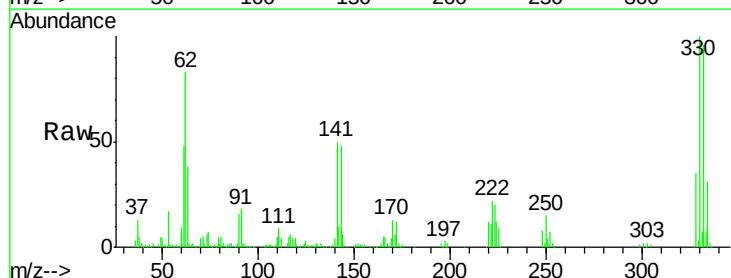


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

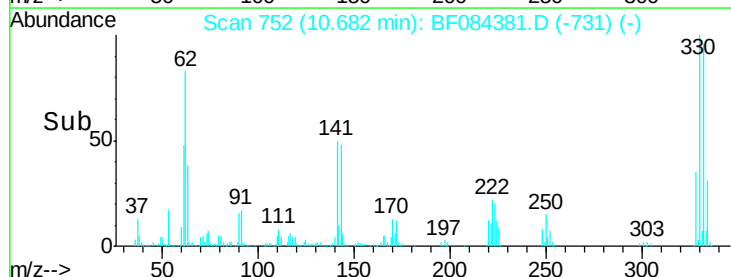
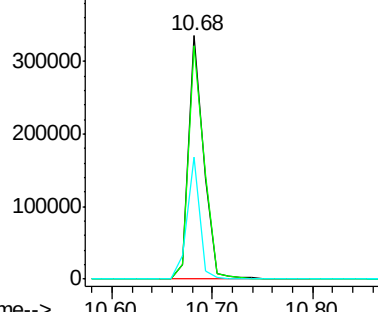


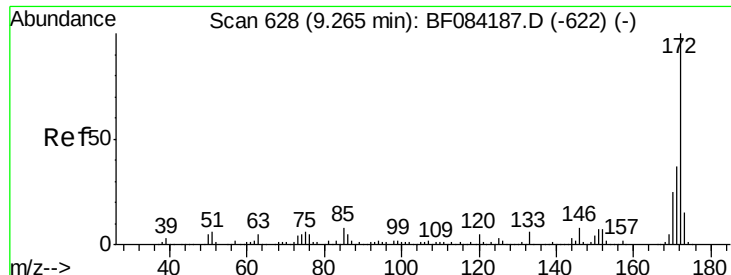
#41
 2,4,6-Tribromophenol
 Concen: 76.48 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.06 min
 Lab File: BF084381.D
 Acq: 11 Jan 2016 15:54

Tgt Ion:330 Resp: 352570
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.6 114.8
 141 43.0 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

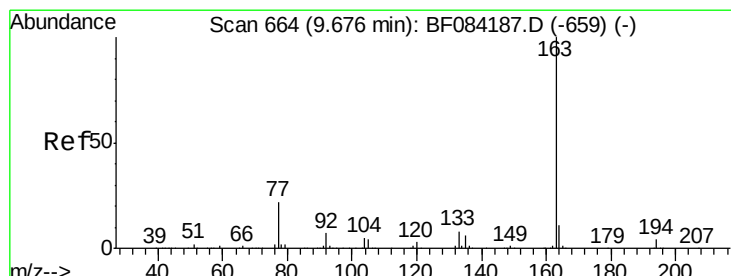
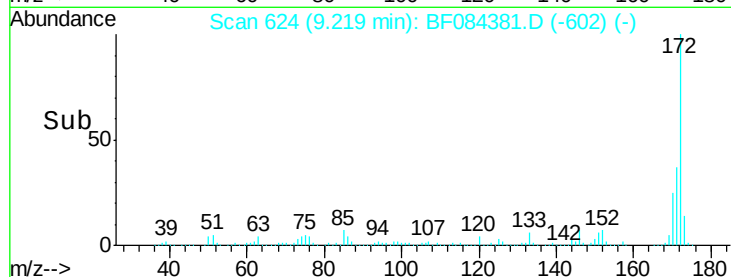
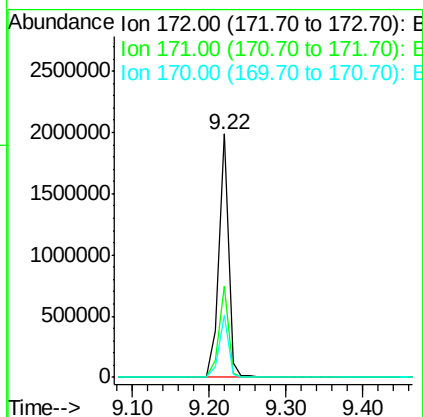
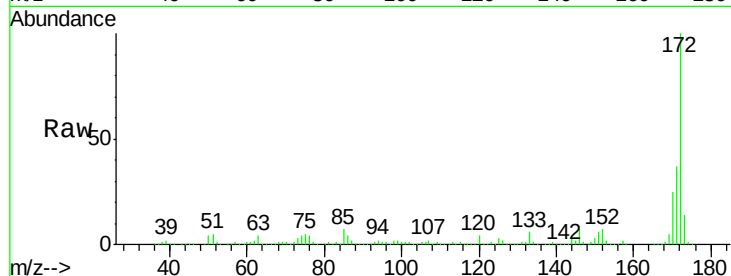




#44
2-Fluorobiphenyl
Concen: 65.84 ng
RT: 9.22 min Scan# 624
Delta R.T. -0.04 min
Lab File: BF084381.D
Acq: 11 Jan 2016 15:54

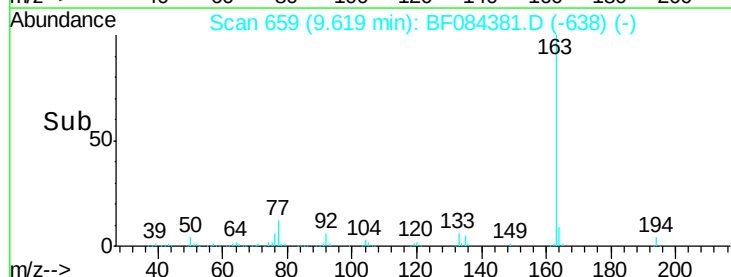
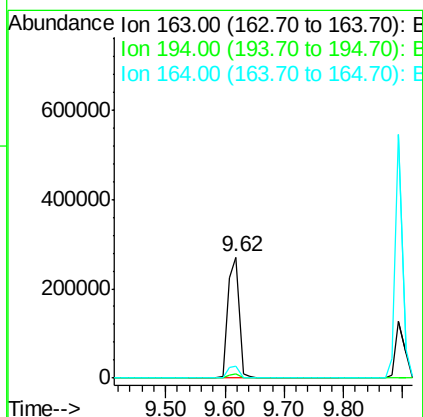
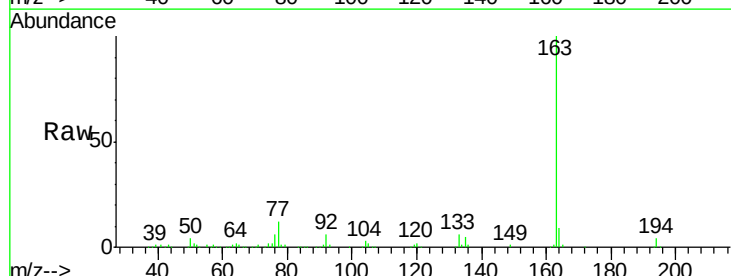
Instrument :
BNA_F
ClientSampleId :
HAZ-COMP

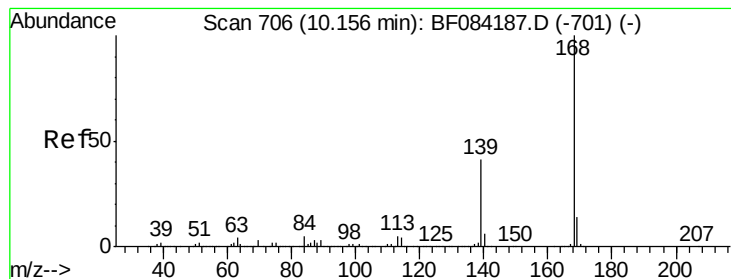
Tgt Ion:172 Resp: 1746052
Ion Ratio Lower Upper
172 100
171 37.2 28.9 43.3
170 25.5 18.6 27.8



#49
Dimethylphthalate
Concen: 11.01 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.06 min
Lab File: BF084381.D
Acq: 11 Jan 2016 15:54

Tgt Ion:163 Resp: 359549
Ion Ratio Lower Upper
163 100
194 3.6 8.0 12.0#
164 9.3 8.0 12.0





#54

Dibenzofuran

Concen: Below Cal

RT: 10.10 min Scan# 701

Delta R.T. -0.06 min

Lab File: BF084381.D

Acq: 11 Jan 2016 15:54

Instrument :

BNA_F

ClientSampleId :

HAZ-COMP

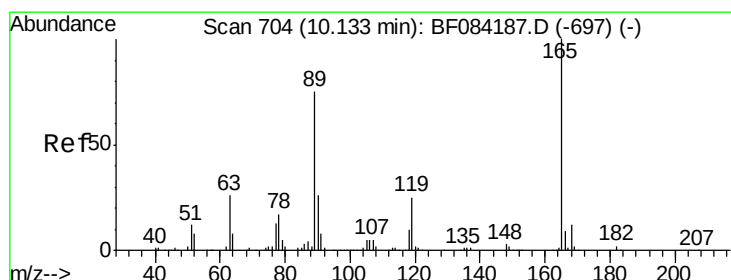
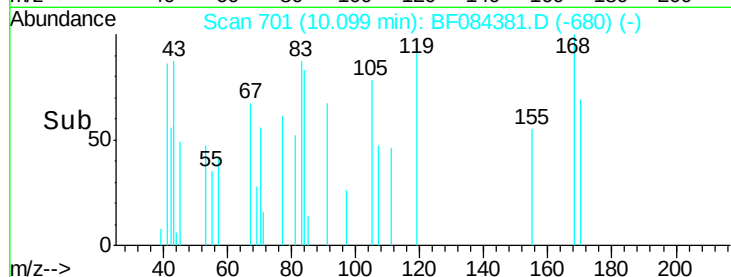
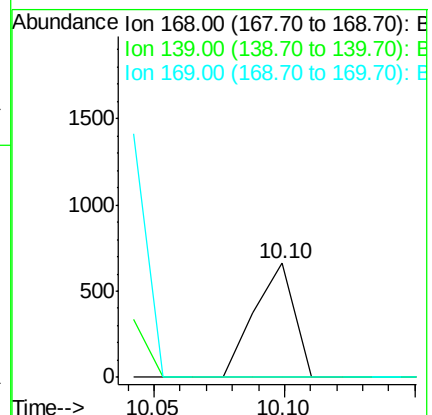
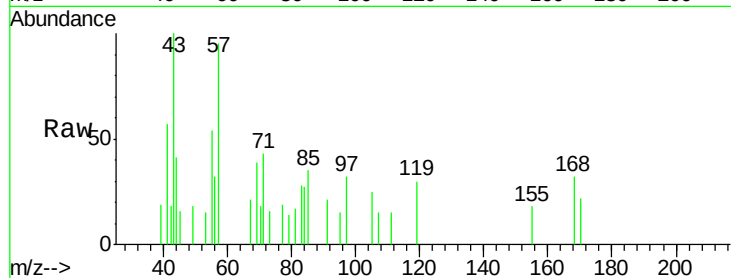
Tgt Ion:168 Resp: 713

Ion Ratio Lower Upper

168 100

139 0.0 30.5 45.7#

169 0.0 10.4 15.6#



#56

2,4-Dinitrotoluene

Concen: 6.53 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.24 min

Lab File: BF084381.D

Acq: 11 Jan 2016 15:54

Tgt Ion:165 Resp: 59184

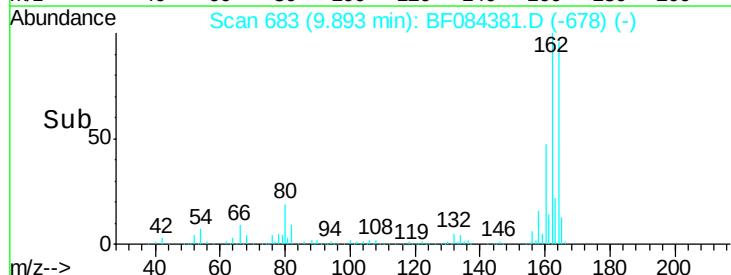
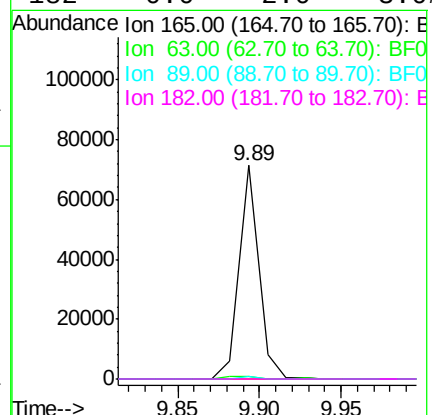
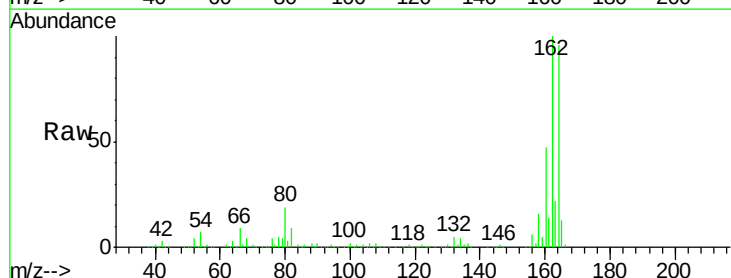
Ion Ratio Lower Upper

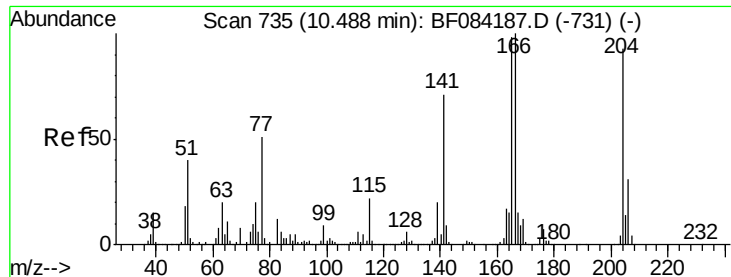
165 100

63 1.4 36.7 55.1#

89 1.2 61.9 92.9#

182 0.0 2.0 3.0#





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.66 min Scan# 750

Delta R.T. 0.17 min

Lab File: BF084381.D

Acq: 11 Jan 2016 15:54

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HAZ-COMP

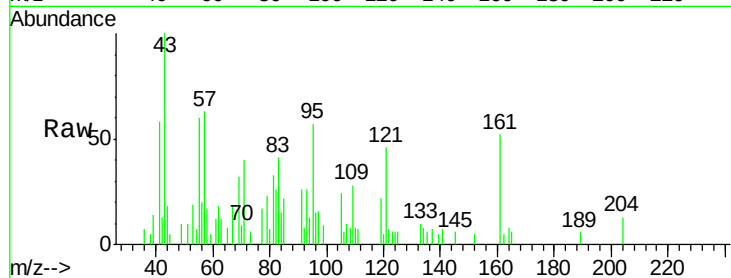
Tgt Ion:204 Resp: 1300

Ion Ratio Lower Upper

204 100

206 0.0 25.7 38.5#

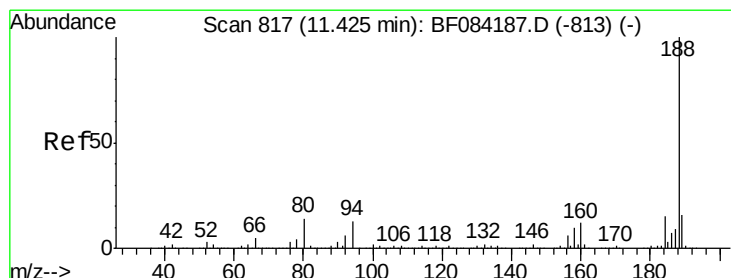
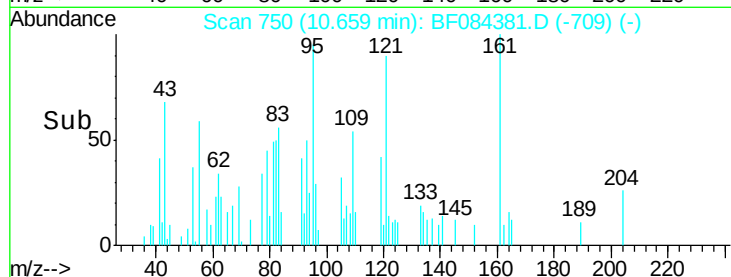
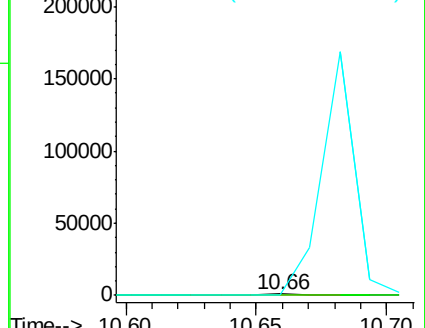
141 54.7 55.1 82.7#



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.05 min

Lab File: BF084381.D

Acq: 11 Jan 2016 15:54

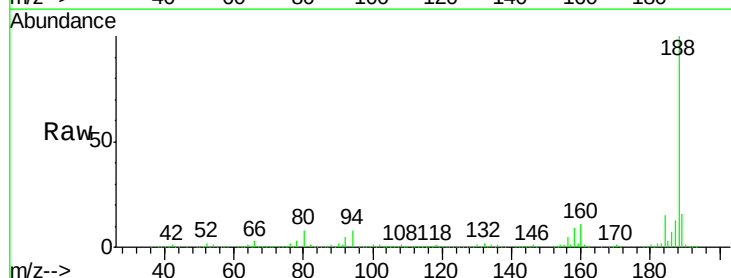
Tgt Ion:188 Resp: 758723

Ion Ratio Lower Upper

188 100

94 8.2 9.0 13.4#

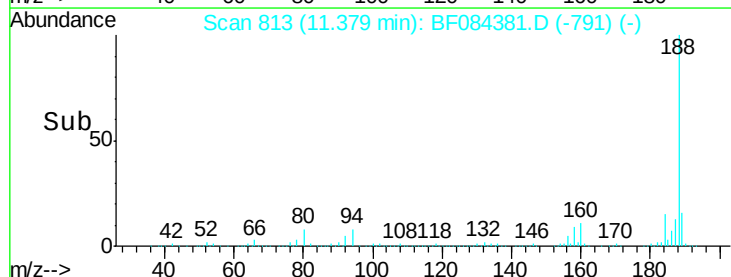
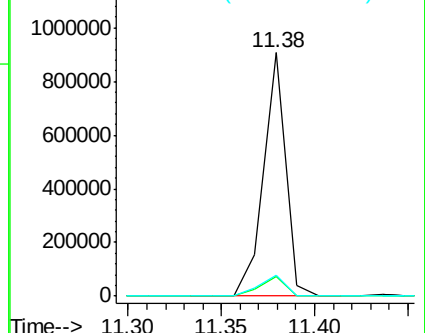
80 8.5 9.6 14.4#

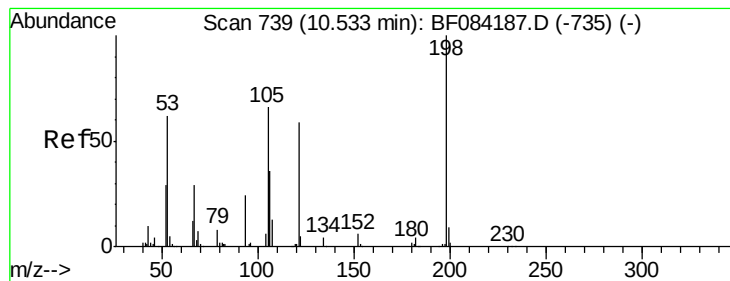


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.55 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.15 min

Lab File: BF084381.D

Acq: 11 Jan 2016 15:54

Instrument :

BNA_F

ClientSampleId :

HAZ-COMP

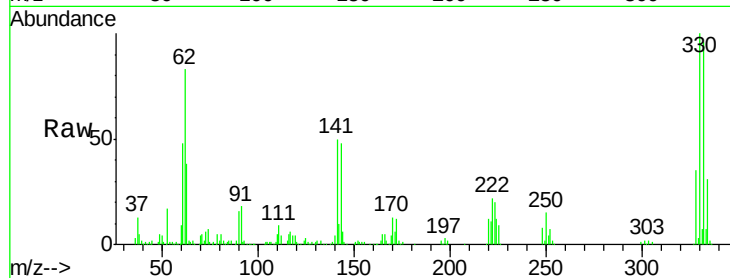
Tgt Ion:198 Resp: 803

Ion Ratio Lower Upper

198 100

51 236.0 18.9 58.9#

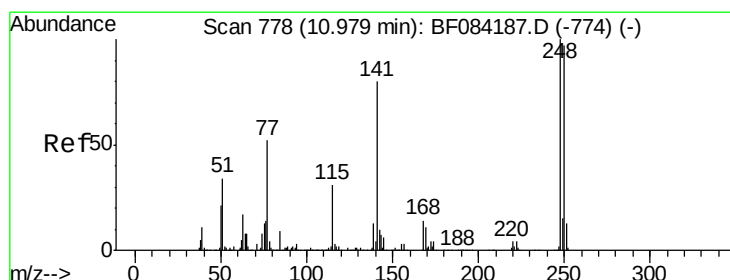
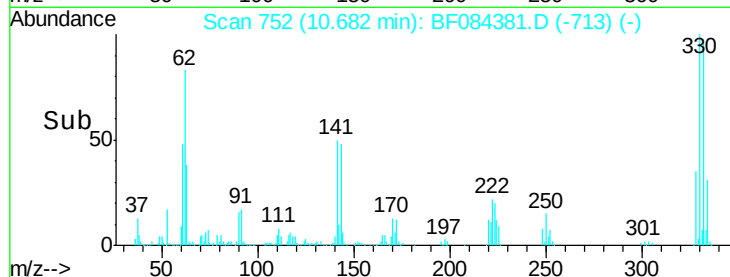
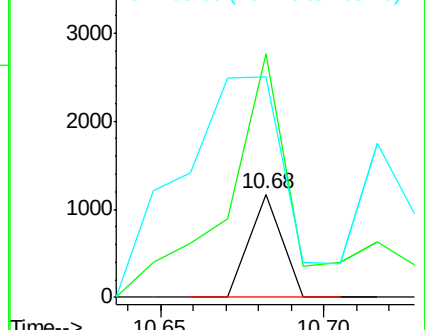
105 214.2 26.4 66.4#



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: 2.93 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.30 min

Lab File: BF084381.D

Acq: 11 Jan 2016 15:54

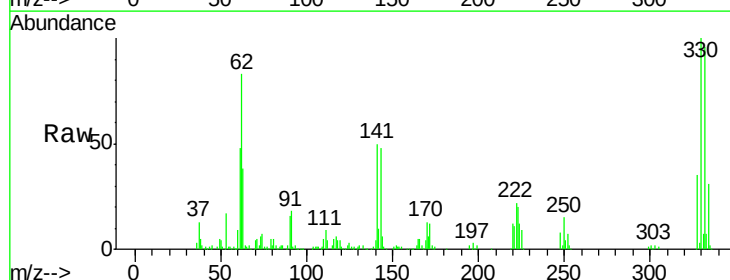
Tgt Ion:248 Resp: 23927

Ion Ratio Lower Upper

248 100

250 193.4 78.4 117.6#

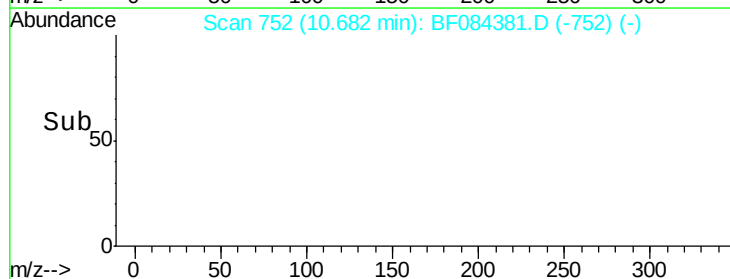
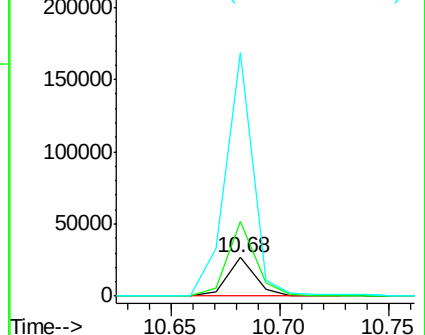
141 628.4 44.0 66.0#

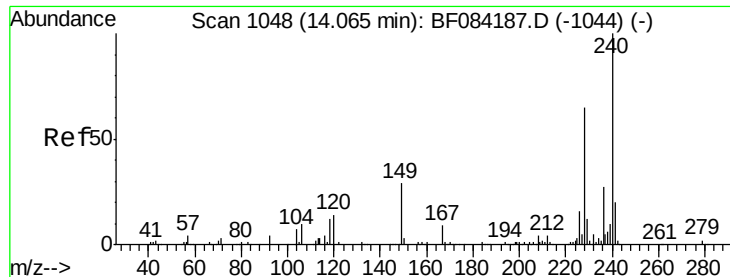


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.01 min Scan# 1043

Delta R.T. -0.06 min

Lab File: BF084381.D

Acq: 11 Jan 2016 15:54

Instrument :

BNA_F

ClientSampleId :

HAZ-COMP

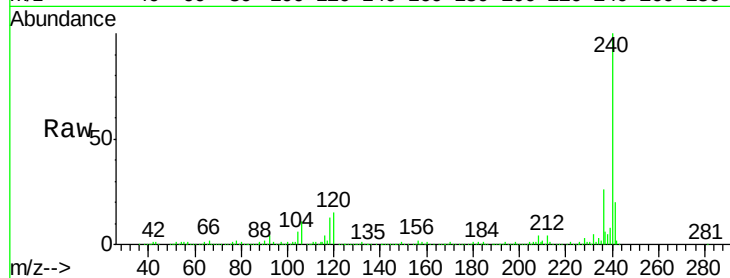
Tgt Ion:240 Resp: 480906

Ion Ratio Lower Upper

240 100

120 14.8 9.5 14.3#

236 26.1 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

400000

300000

200000

100000

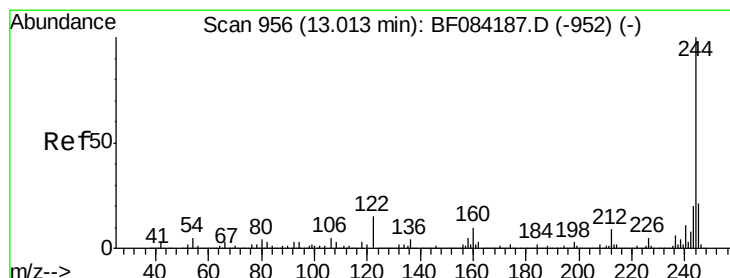
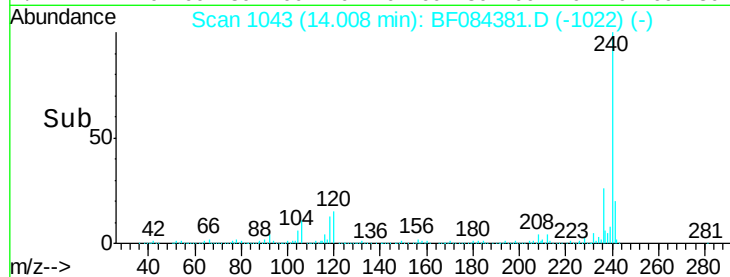
0

14.01

14.00

14.20

Time-->



#78

Terphenyl-d14

Concen: 61.87 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF084381.D

Acq: 11 Jan 2016 15:54

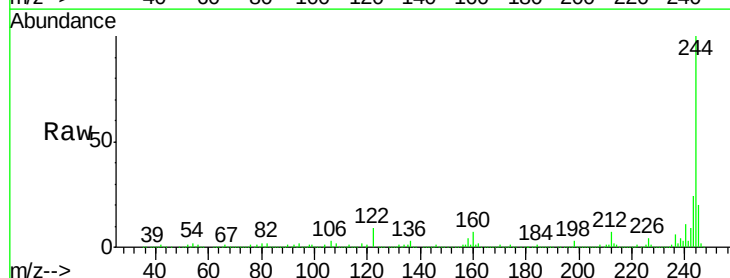
Tgt Ion:244 Resp: 1332983

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

122 9.1 7.4 11.0



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

1500000

1000000

500000

0

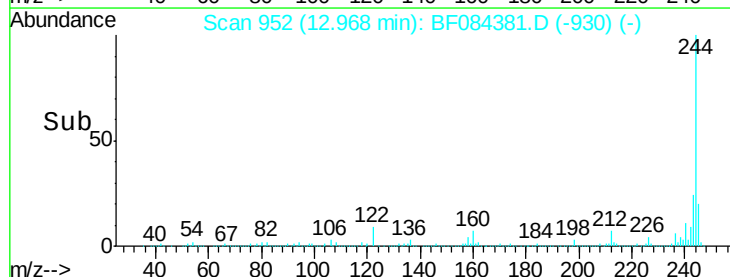
12.97

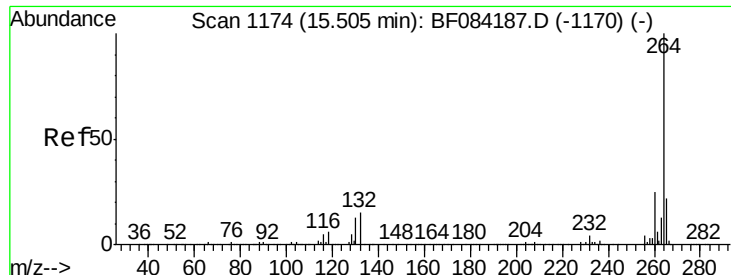
12.90

13.00

13.10

Time-->

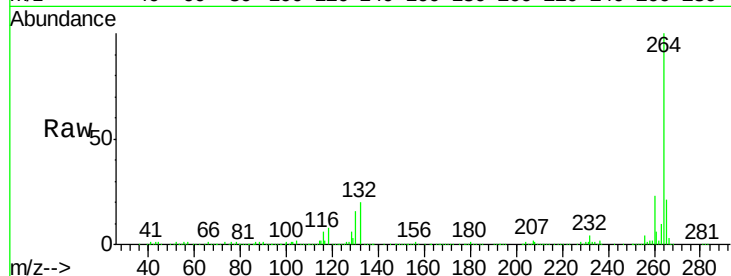




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.07 min
Lab File: BF084381.D
Acq: 11 Jan 2016 15:54

Instrument :
BNA_F
ClientSampleId :
HAZ-COMP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.2
265	21.4	17.8	26.6



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

