

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
 Data File : BF084396.D
 Acq On : 11 Jan 2016 23:21
 Operator : SJ/UM
 Sample : H1074-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-12-010516

Quant Time: Jan 12 02:21:27 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

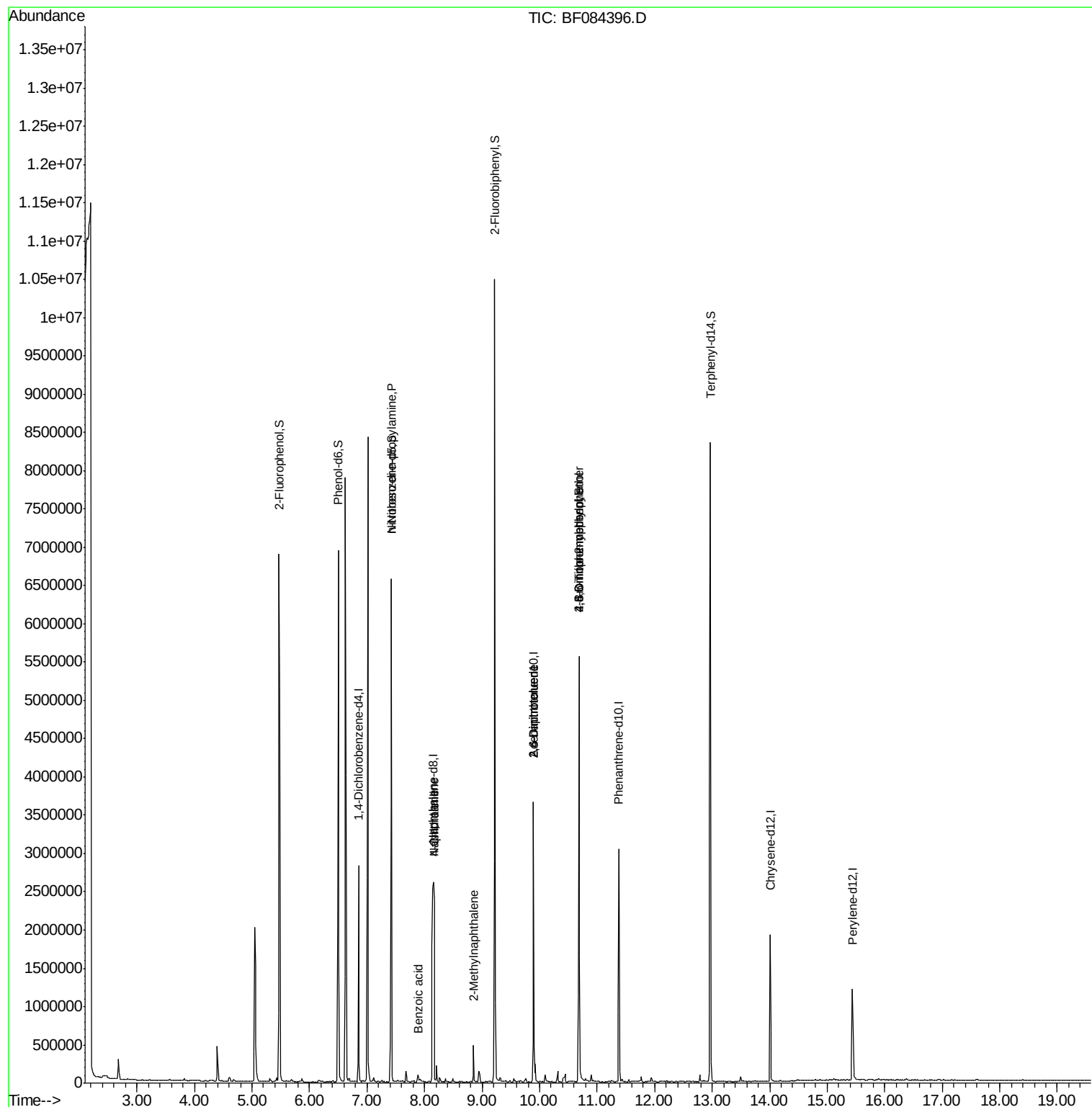
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	359581	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1465367	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	663978	20.00	ng	-0.06
63) Phenanthrene-d10	11.38	188	1093358	20.00	ng	-0.05
75) Chrysene-d12	14.01	240	679674	20.00	ng	-0.06
86) Perylene-d12	15.44	264	570321	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	2594270	116.70	ng	-0.02
7) Phenol-d6	6.50	99	2668170	95.56	ng	-0.03
23) Nitrobenzene-d5	7.42	82	2473119	93.93	ng	-0.05
41) 2,4,6-Tribromophenol	10.68	330	736606	109.89	ng	-0.06
44) 2-Fluorobiphenyl	9.22	172	3094784	81.75	ng	-0.04
78) Terphenyl-d14	12.97	244	2667075	87.59	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	351511	18.60	ng	# 75
31) Naphthalene	8.17	128	1715651	25.81	ng	# 99
32) Benzoic acid	7.89	122	5551	6.55	ng	# 88
33) 4-Chloroaniline	8.17	127	230075	7.55	ng	# 34
37) 2-Methylnaphthalene	8.85	142	123757	2.59	ng	# 97
50) 2,6-Dinitrotoluene	9.89	165	89043	8.55	ng	# 38
54) Dibenzofuran	10.10	168	35483	Below Cal		# 97
56) 2,4-Dinitrotoluene	9.89	165	89425	6.79	ng	# 21
57) Fluorene	10.44	166	32089	Below Cal		# 99
64) 4,6-Dinitro-2-methylphenol	10.68	198	1712	6.61	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	43863	3.73	ng	# 1
73) Di-n-butylphthalate	11.94	149	31717	Below Cal		# 97

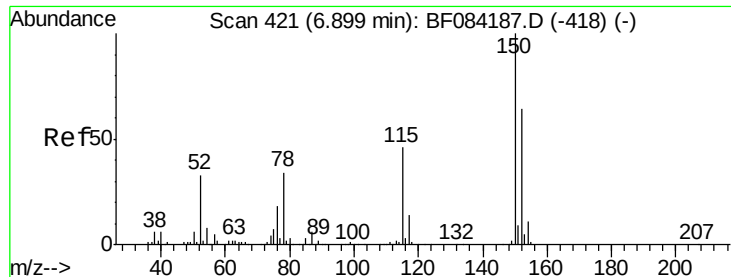
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF084396.D

Acq: 11 Jan 2016 23:21

Instrument :

BNA_F

ClientSampleId :

HSR-WC-12-010516

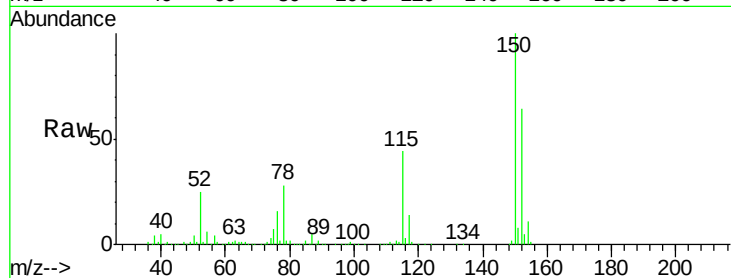
Tgt Ion:152 Resp: 359581

Ion Ratio Lower Upper

152 100

150 157.4 123.0 184.4

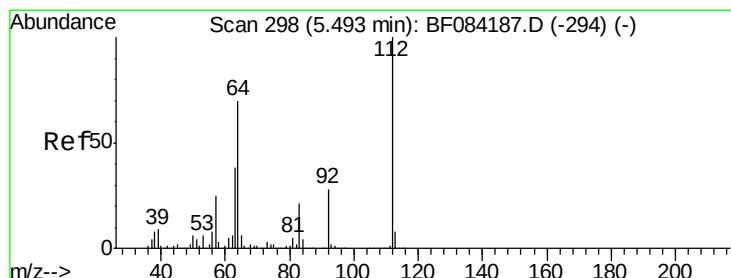
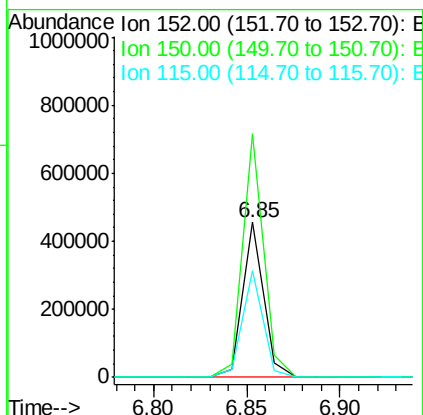
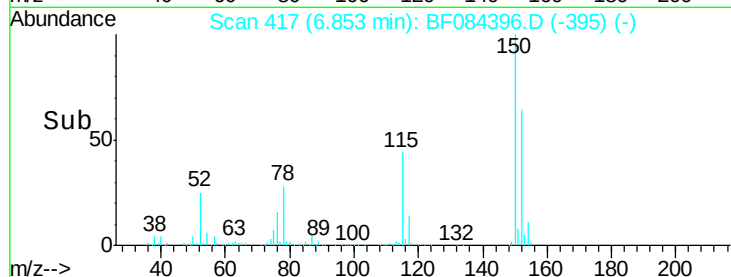
115 68.7 51.4 77.2



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: 116.70 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.02 min

Lab File: BF084396.D

Acq: 11 Jan 2016 23:21

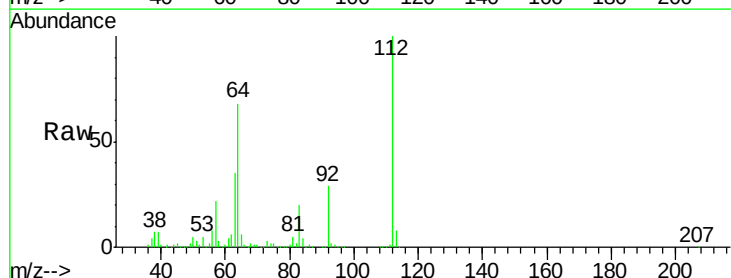
Tgt Ion:112 Resp: 2594270

Ion Ratio Lower Upper

112 100

64 68.1 36.6 55.0#

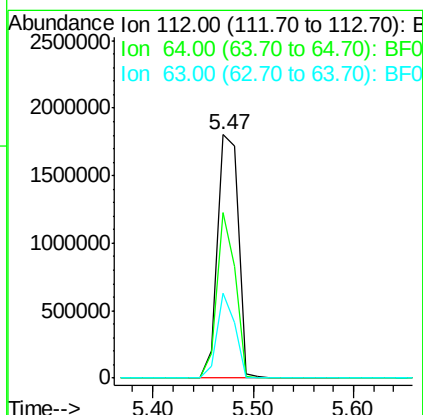
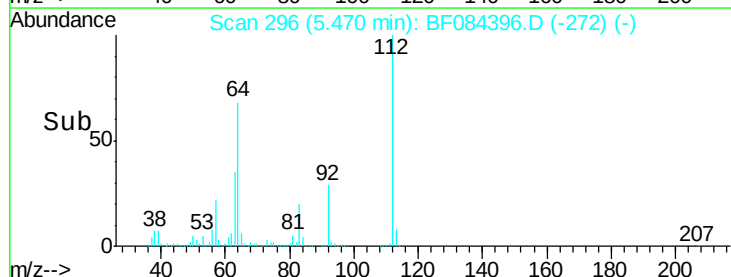
63 35.1 19.4 29.0#

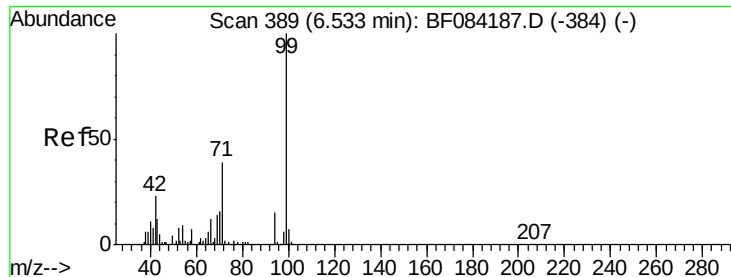


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 95.56 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.03 min

Lab File: BF084396.D

Acq: 11 Jan 2016 23:21

Instrument :

BNA_F

ClientSampleId :

HSR-WC-12-010516

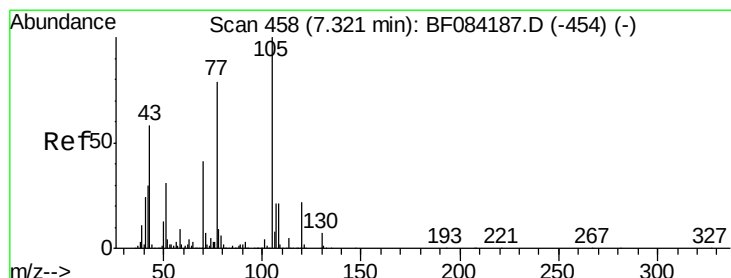
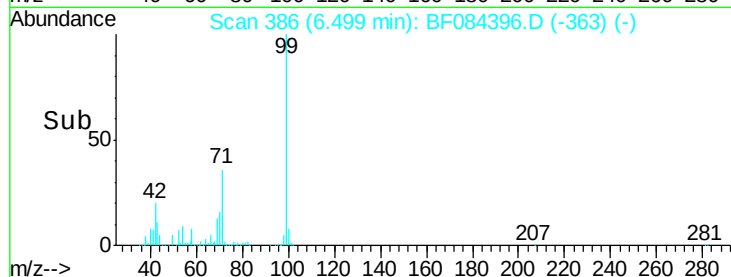
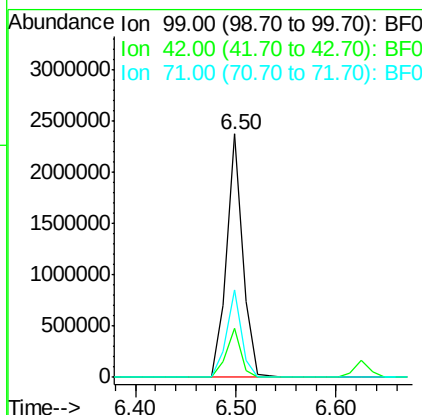
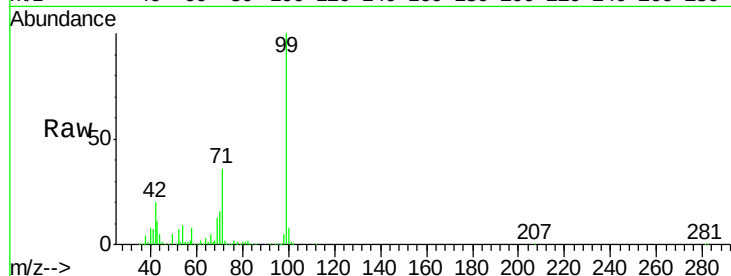
Tgt Ion: 99 Resp: 2668170

Ion Ratio Lower Upper

99 100

42 20.1 12.8 19.2#

71 35.8 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 18.60 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.10 min

Lab File: BF084396.D

Acq: 11 Jan 2016 23:21

Tgt Ion: 70 Resp: 351511

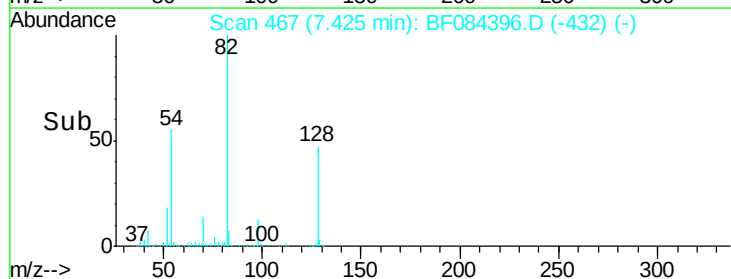
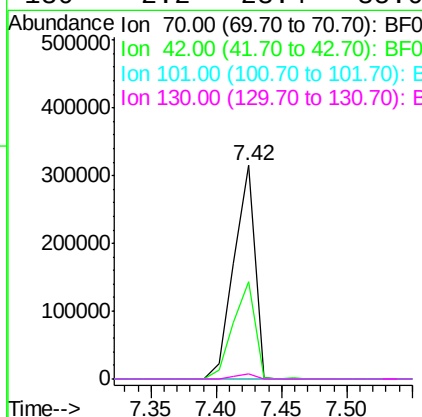
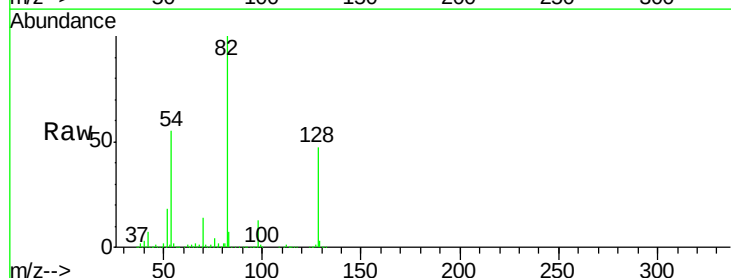
Ion Ratio Lower Upper

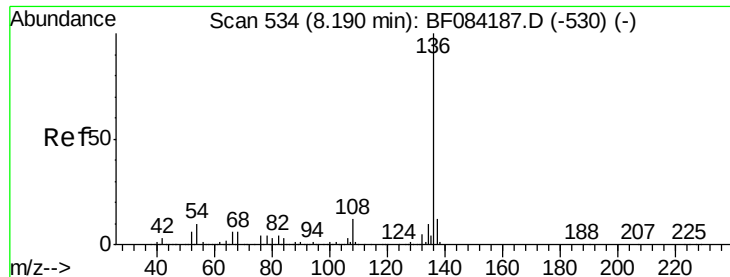
70 100

42 45.5 33.3 49.9

101 0.0 9.3 13.9#

130 2.2 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.05 min

Lab File: BF084396.D

Acq: 11 Jan 2016 23:21

Instrument :

BNA_F

ClientSampleId :

HSR-WC-12-010516

Tgt Ion:136 Resp: 1465367

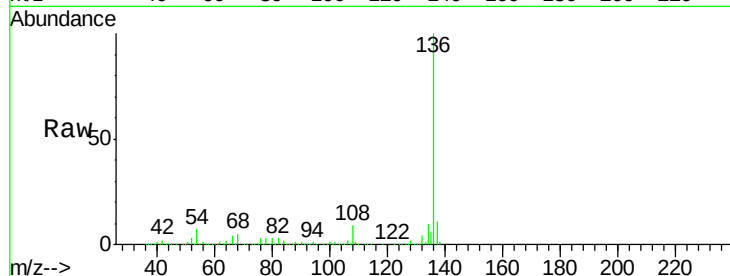
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 6.8 5.8 8.8

68 5.1 4.2 6.2

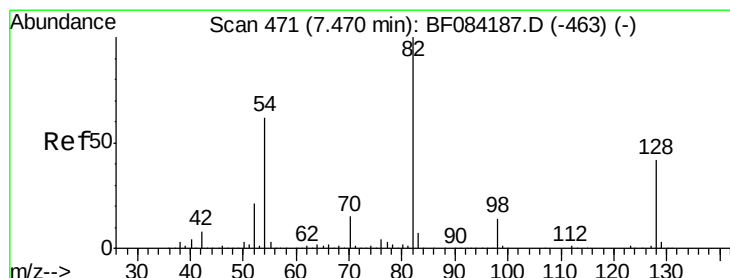
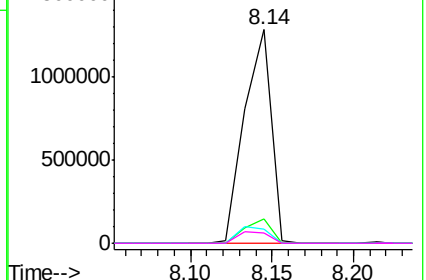
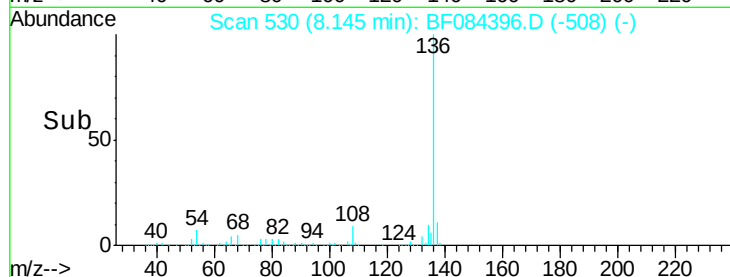


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.93 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.05 min

Lab File: BF084396.D

Acq: 11 Jan 2016 23:21

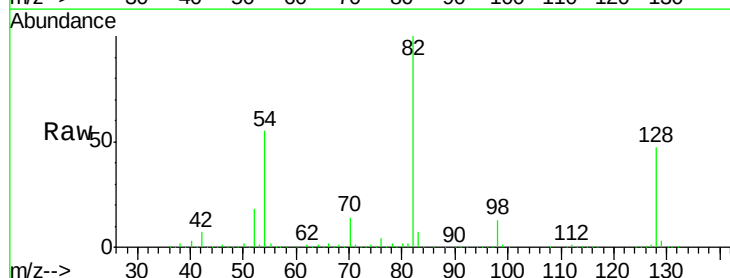
Tgt Ion: 82 Resp: 2473119

Ion Ratio Lower Upper

82 100

128 47.4 34.6 51.8

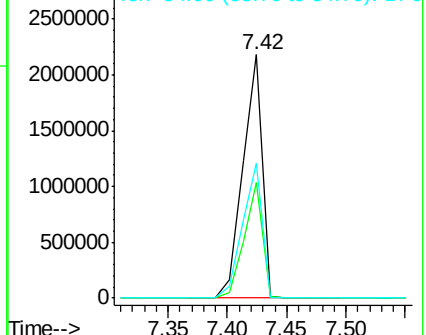
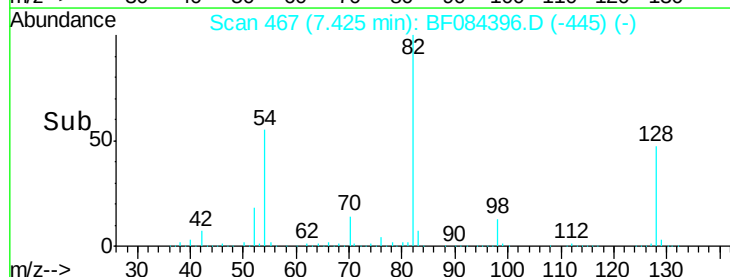
54 55.2 38.4 57.6

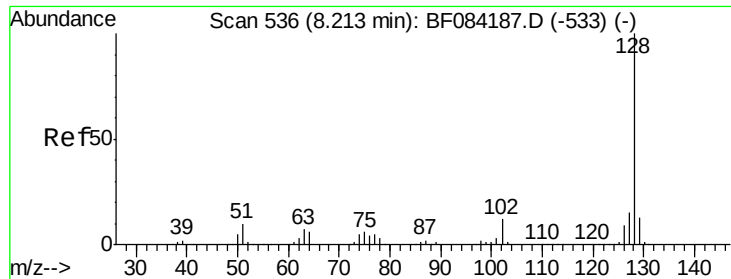


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 25.81 ng

RT: 8.17 min Scan# 532

Delta R.T. -0.05 min

Lab File: BF084396.D

Acq: 11 Jan 2016 23:21

Instrument :

BNA_F

ClientSampleId :

HSR-WC-12-010516

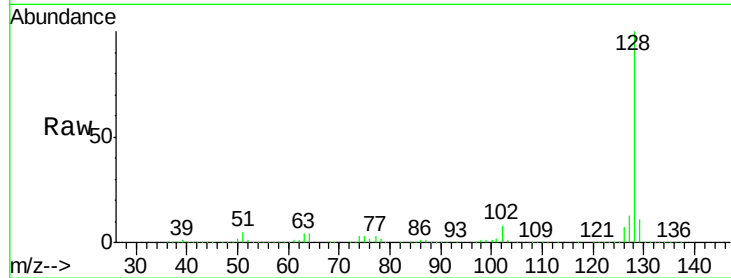
Tgt Ion:128 Resp: 1715651

Ion Ratio Lower Upper

128 100

129 10.9 9.1 13.7

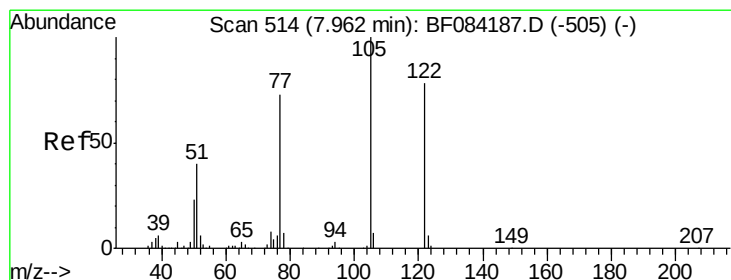
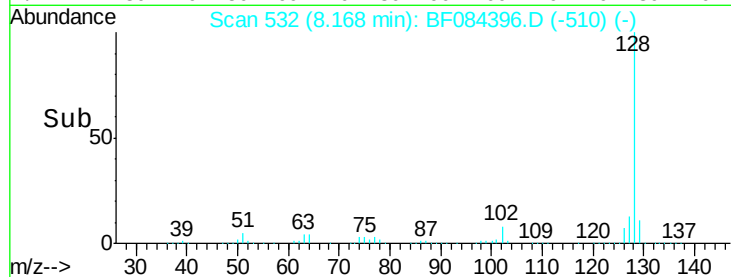
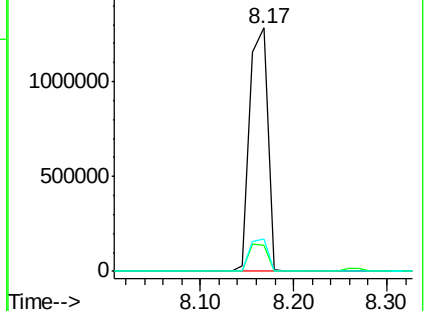
127 13.4 11.1 16.7



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: 6.55 ng

RT: 7.89 min Scan# 508

Delta R.T. -0.07 min

Lab File: BF084396.D

Acq: 11 Jan 2016 23:21

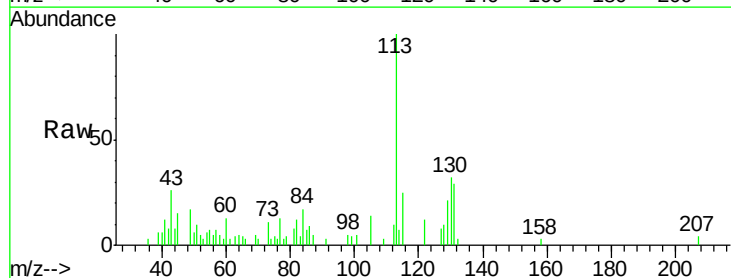
Tgt Ion:122 Resp: 5551

Ion Ratio Lower Upper

122 100

105 121.3 100.3 140.3

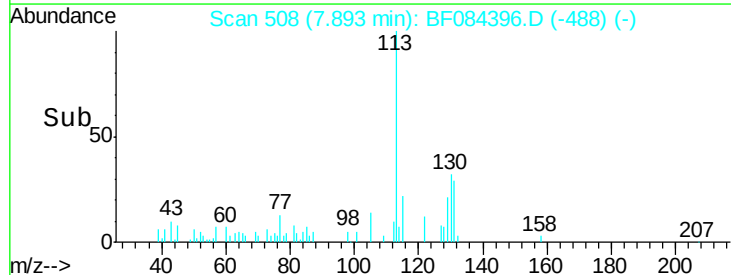
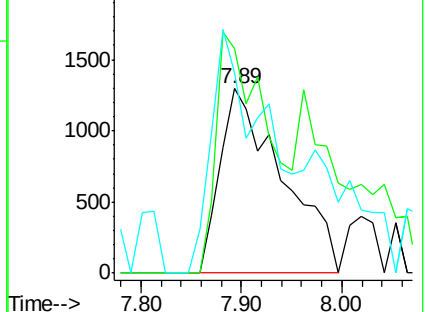
77 108.2 63.5 103.5#

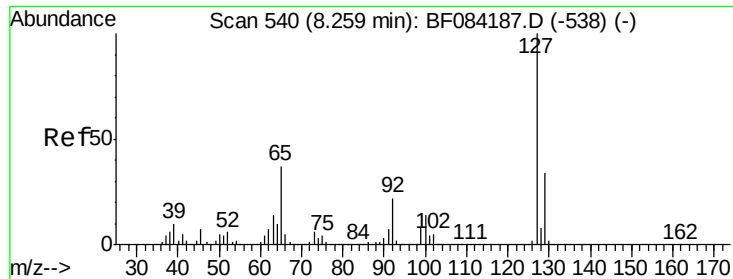


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

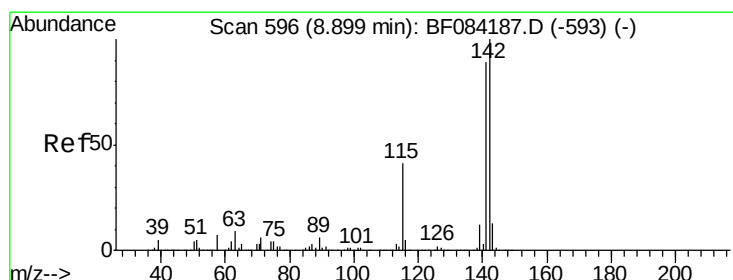
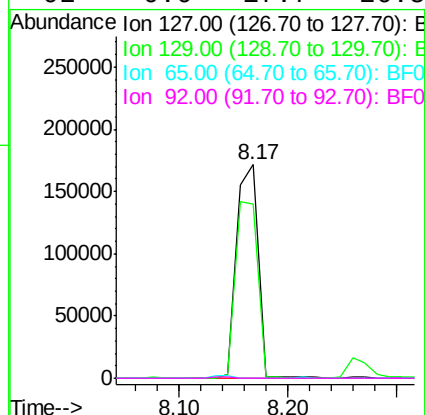
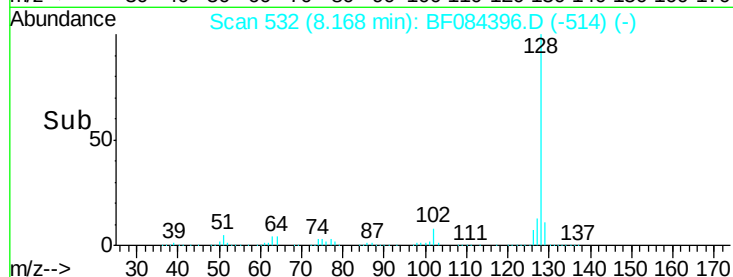
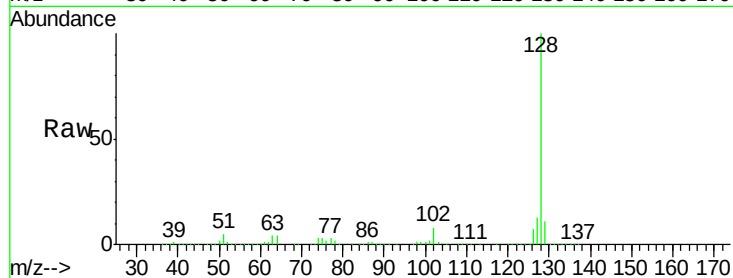




#33
4-Chloroaniline
Concen: 7.55 ng
RT: 8.17 min Scan# 532
Delta R.T. -0.09 min
Lab File: BF084396.D
Acq: 11 Jan 2016 23:21

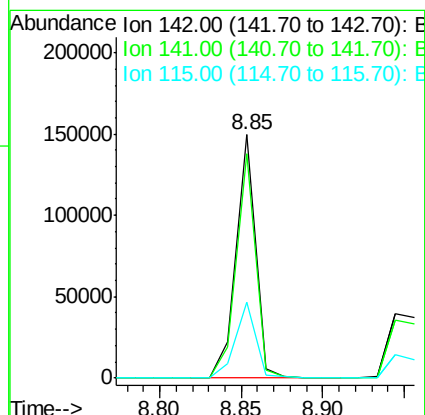
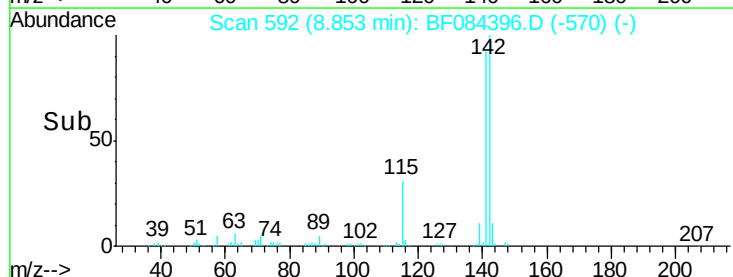
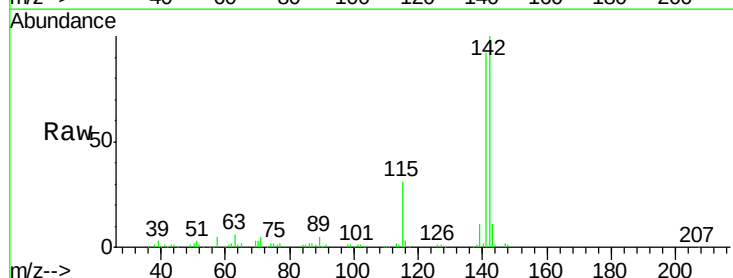
Instrument :
BNA_F
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HSR-WC-12-010516

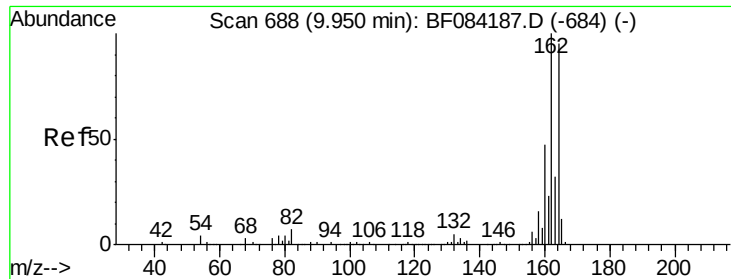
Tgt Ion:	127	Resp:	230075
Ion	Ratio	Lower	Upper
127	100		
129	81.3	26.5	39.7#
65	0.0	27.2	40.8#
92	0.0	17.7	26.5#



#37
2-Methylnaphthalene
Concen: 2.59 ng
RT: 8.85 min Scan# 592
Delta R.T. -0.05 min
Lab File: BF084396.D
Acq: 11 Jan 2016 23:21

Tgt Ion:	142	Resp:	123757
Ion	Ratio	Lower	Upper
142	100		
141	91.9	72.4	108.6
115	31.4	27.9	41.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.06 min

Lab File: BF084396.D

Acq: 11 Jan 2016 23:21

Instrument :

BNA_F

ClientSampleId :

HSR-WC-12-010516

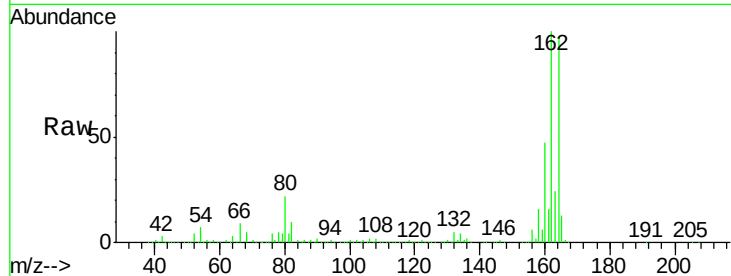
Tgt Ion:164 Resp: 663978

Ion Ratio Lower Upper

164 100

162 102.6 85.1 127.7

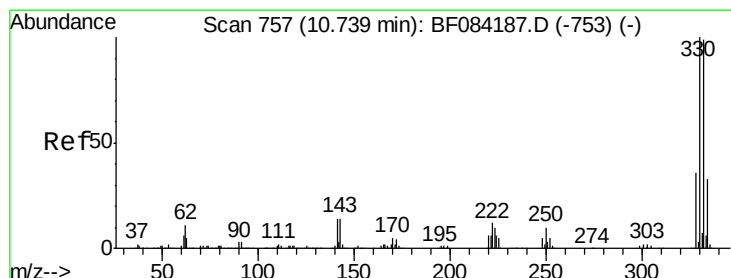
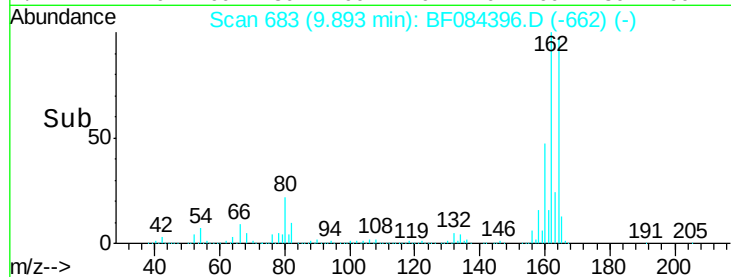
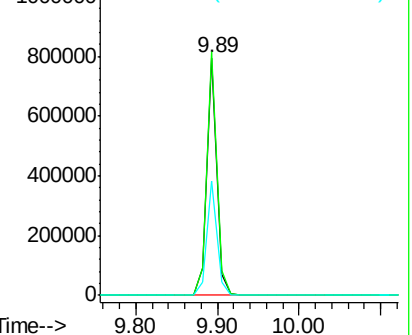
160 47.9 37.5 56.3



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: 109.89 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.06 min

Lab File: BF084396.D

Acq: 11 Jan 2016 23:21

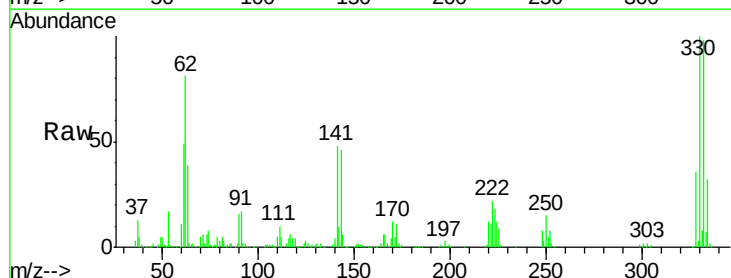
Tgt Ion:330 Resp: 736606

Ion Ratio Lower Upper

330 100

332 98.6 76.6 114.8

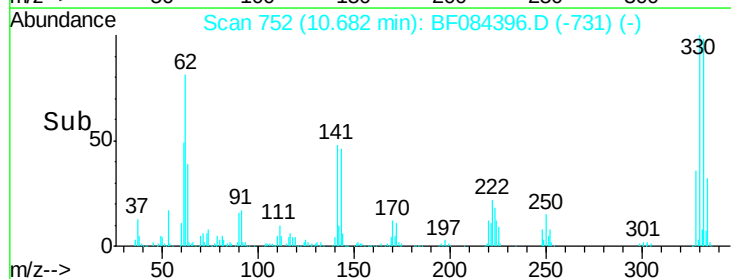
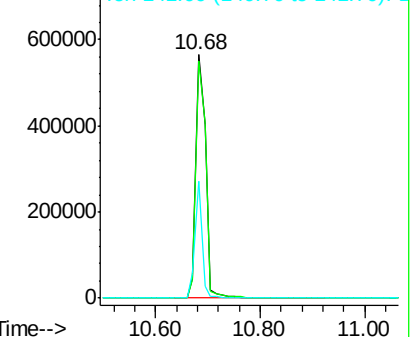
141 35.1 27.8 41.6

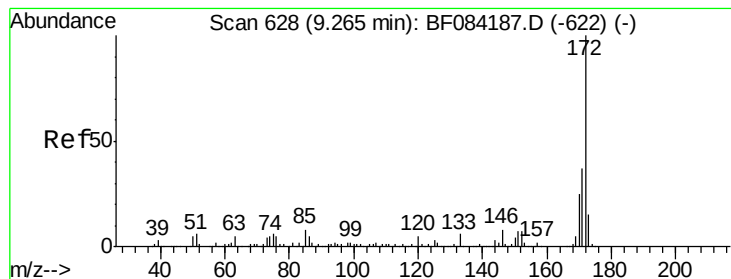


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 81.75 ng

RT: 9.22 min Scan# 624

Delta R.T. -0.04 min

Lab File: BF084396.D

Acq: 11 Jan 2016 23:21

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HSR-WC-12-010516

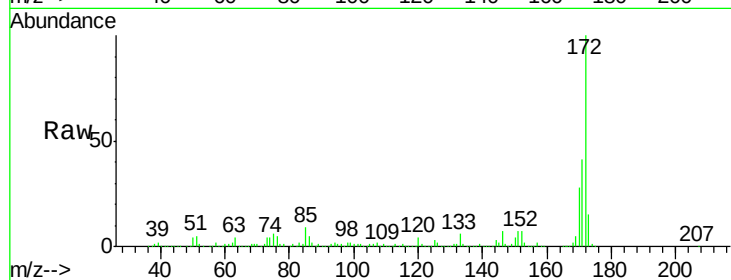
Tgt Ion:172 Resp: 3094784

Ion Ratio Lower Upper

172 100

171 40.5 28.9 43.3

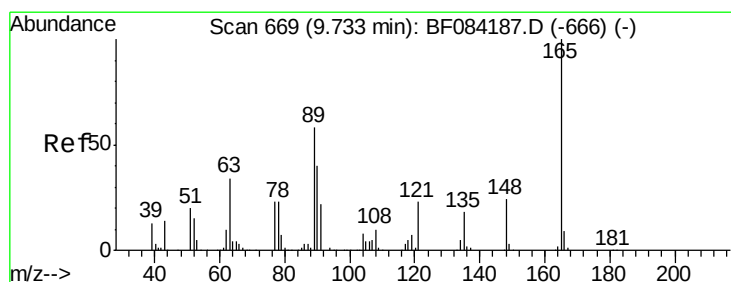
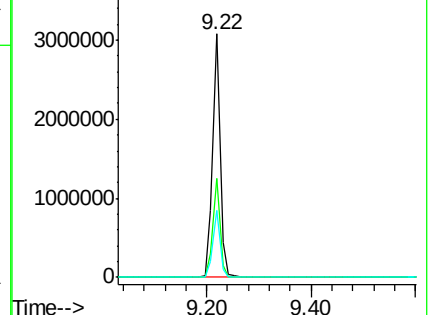
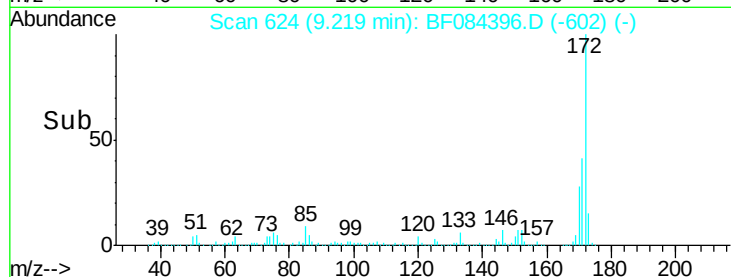
170 27.7 18.6 27.8



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: 8.55 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.16 min

Lab File: BF084396.D

Acq: 11 Jan 2016 23:21

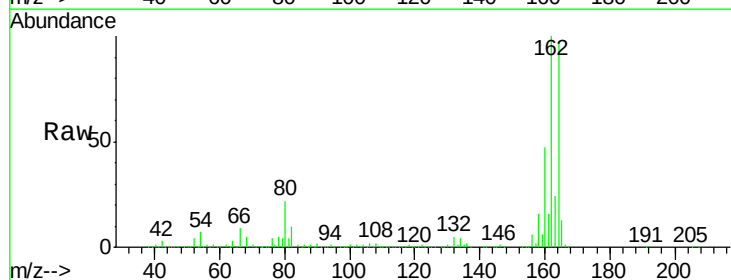
Tgt Ion:165 Resp: 89043

Ion Ratio Lower Upper

165 100

63 1.5 28.8 43.2#

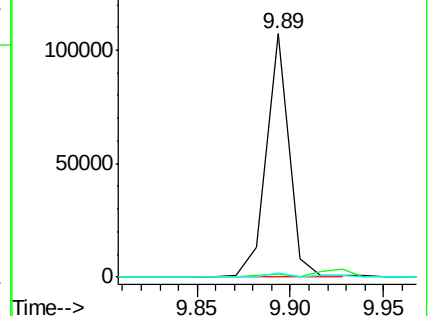
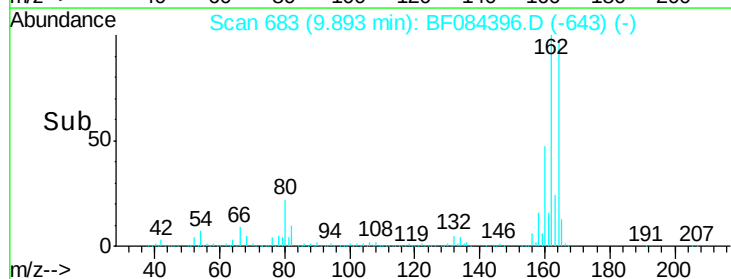
89 1.5 35.1 52.7#

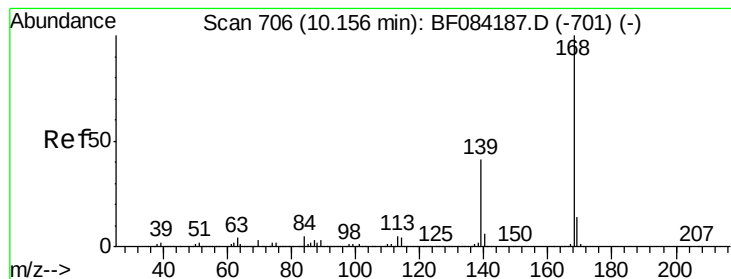


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#54

Dibenzofuran

Concen: Below Cal

RT: 10.10 min Scan# 701

Delta R.T. -0.06 min

Lab File: BF084396.D

Acq: 11 Jan 2016 23:21

Instrument :

BNA_F

ClientSampleId :

HSR-WC-12-010516

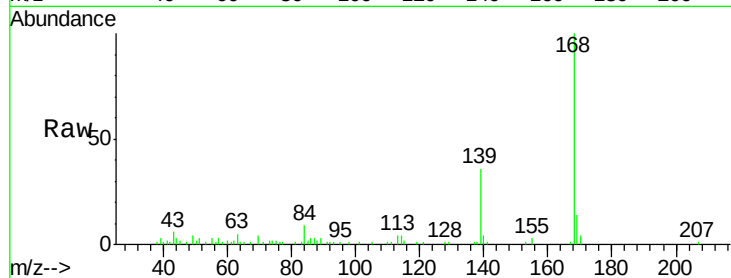
Tgt Ion:168 Resp: 35483

Ion Ratio Lower Upper

168 100

139 36.3 30.5 45.7

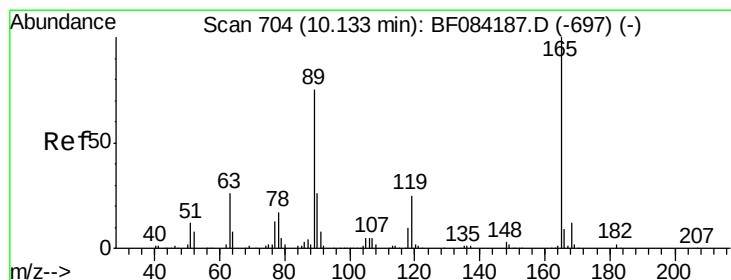
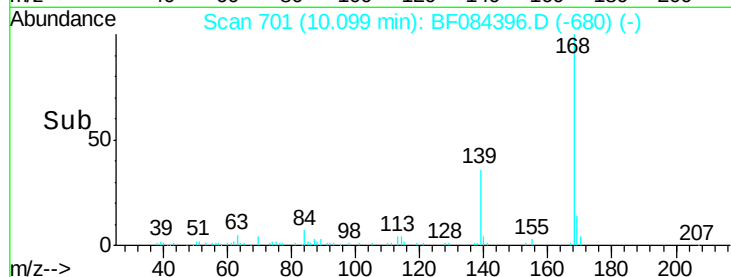
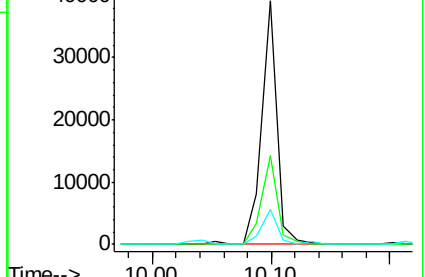
169 14.4 10.4 15.6



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: 6.79 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.24 min

Lab File: BF084396.D

Acq: 11 Jan 2016 23:21

Tgt Ion:165 Resp: 89425

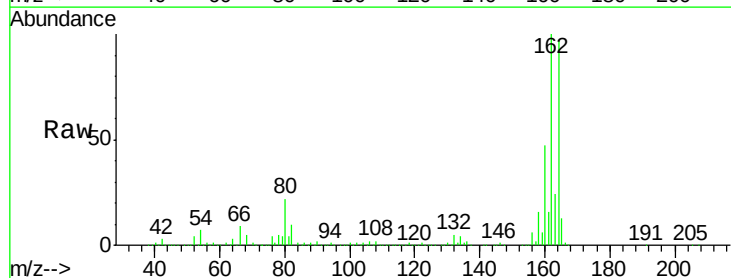
Ion Ratio Lower Upper

165 100

63 1.5 36.7 55.1#

89 1.5 61.9 92.9#

182 0.0 2.0 3.0#

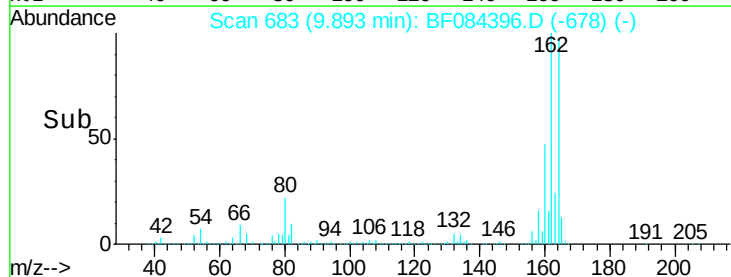
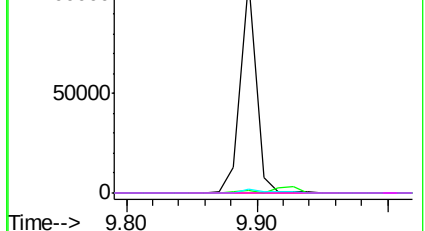


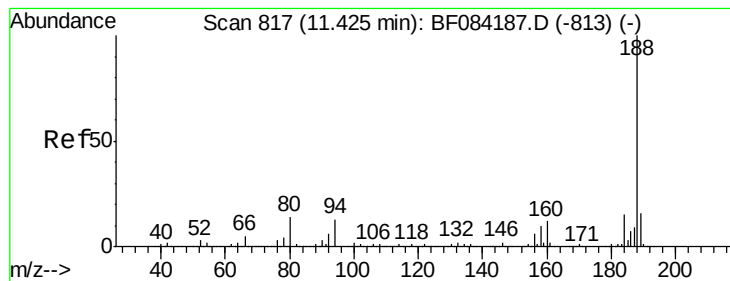
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.38 min Scan# 813

Delta R.T. -0.05 min

Lab File: BF084396.D

Acq: 11 Jan 2016 23:21

Instrument :

BNA_F

ClientSampleId :

HSR-WC-12-010516

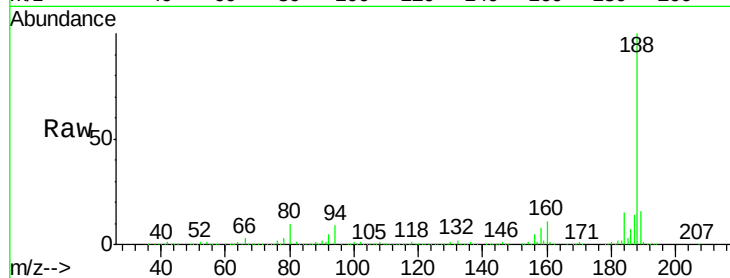
Tgt Ion:188 Resp: 1093358

Ion Ratio Lower Upper

188 100

94 9.2 9.0 13.4

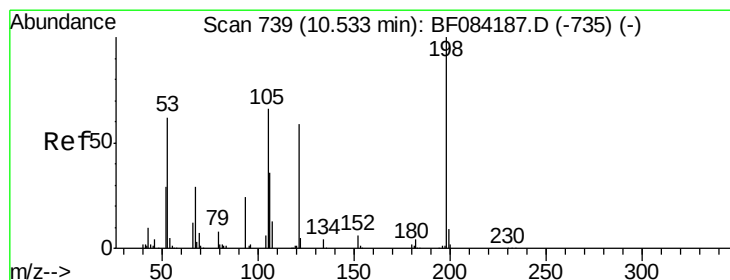
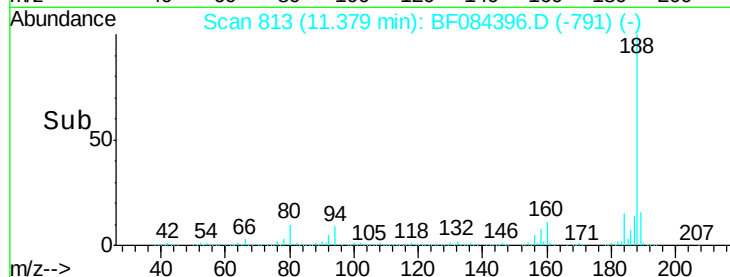
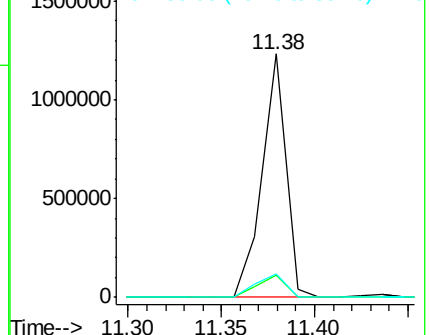
80 9.7 9.6 14.4



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: 6.61 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.15 min

Lab File: BF084396.D

Acq: 11 Jan 2016 23:21

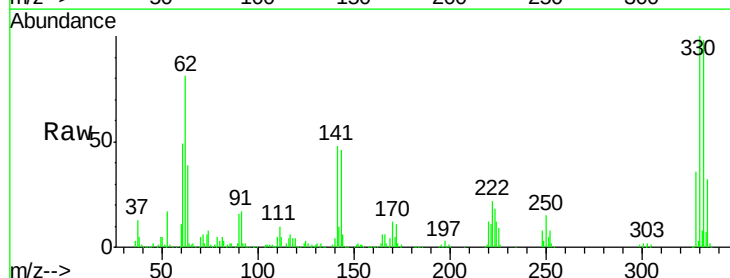
Tgt Ion:198 Resp: 1712

Ion Ratio Lower Upper

198 100

51 210.4 18.9 58.9#

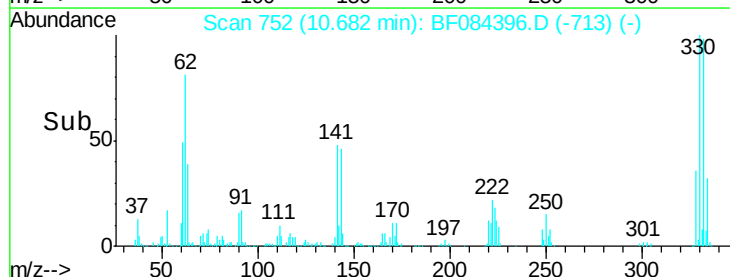
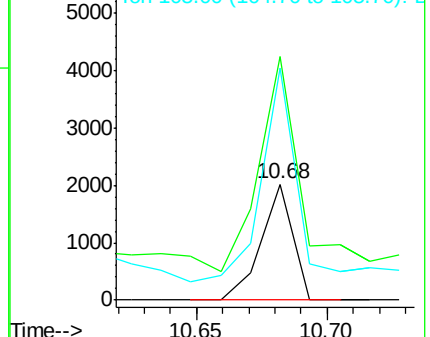
105 200.1 26.4 66.4#

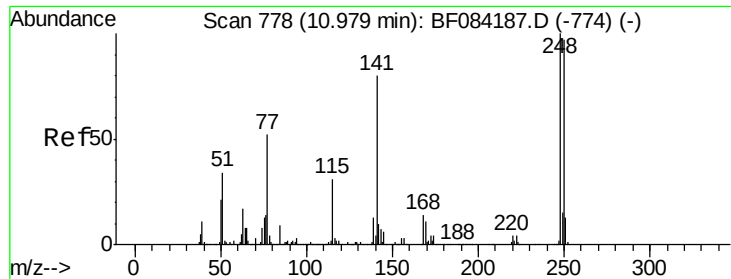


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

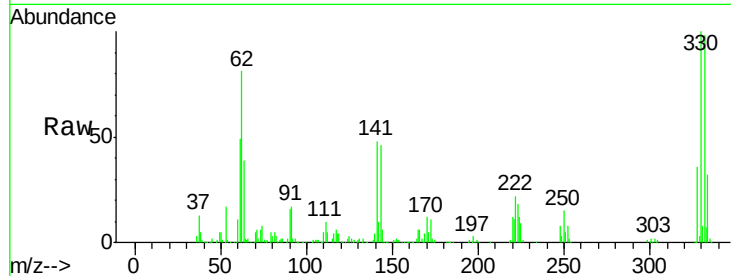




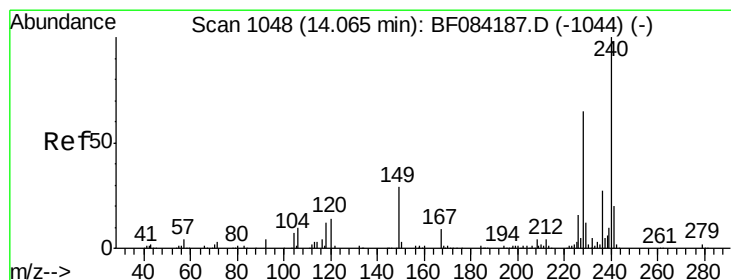
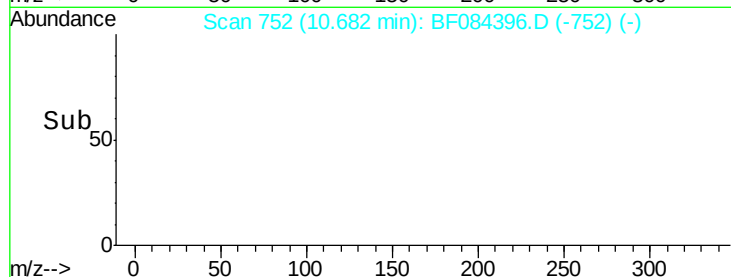
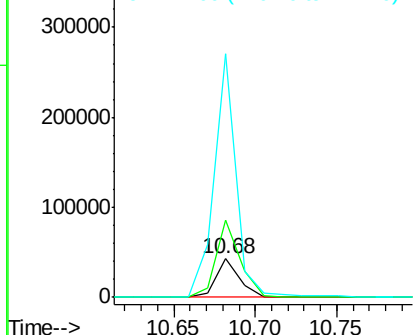
#66
4-Bromophenyl-phenylether
Concen: 3.73 ng
RT: 10.68 min Scan# 752
Delta R.T. -0.30 min
Lab File: BF084396.D
Acq: 11 Jan 2016 23:21

Instrument :
BNA_F
ClientSampleId :
HSR-WC-12-010516

Tgt Ion:248 Resp: 43863
Ion Ratio Lower Upper
248 100
250 199.4 78.4 117.6#
141 631.2 44.0 66.0#

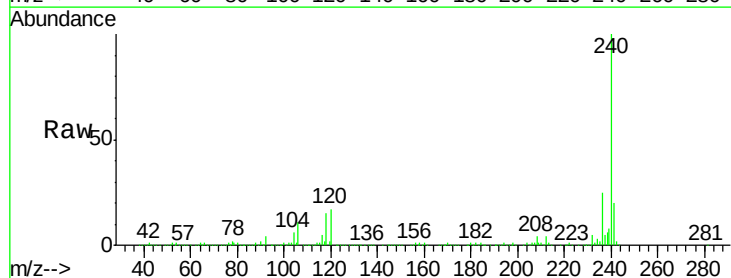


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

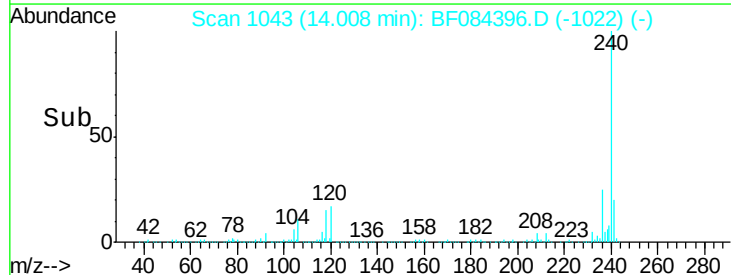
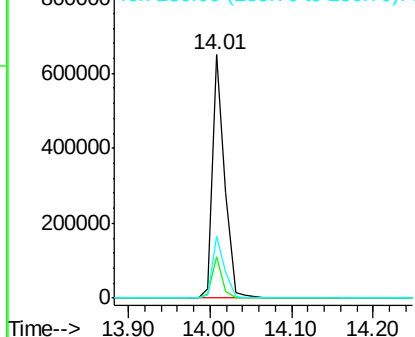


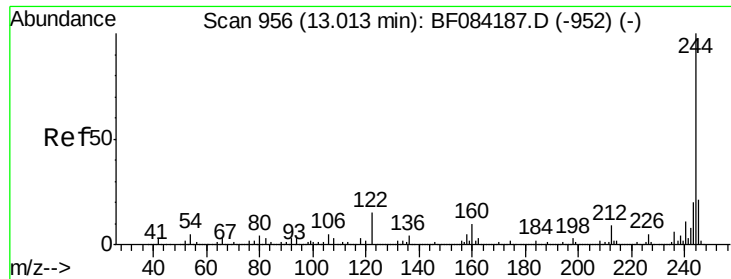
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.06 min
Lab File: BF084396.D
Acq: 11 Jan 2016 23:21

Tgt Ion:240 Resp: 679674
Ion Ratio Lower Upper
240 100
120 17.0 9.5 14.3#
236 25.2 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: 87.59 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF084396.D

Acq: 11 Jan 2016 23:21

Instrument :

BNA_F

ClientSampleId :

HSR-WC-12-010516

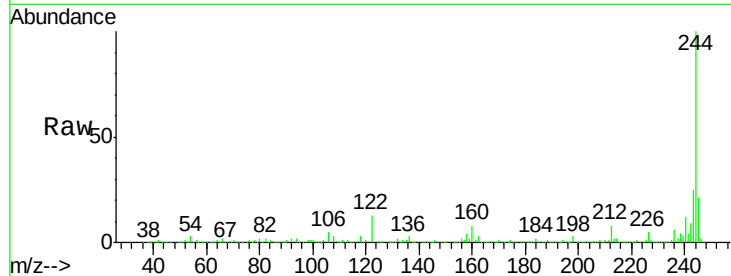
Tgt Ion:244 Resp: 2667075

Ion Ratio Lower Upper

244 100

212 8.0 5.7 8.5

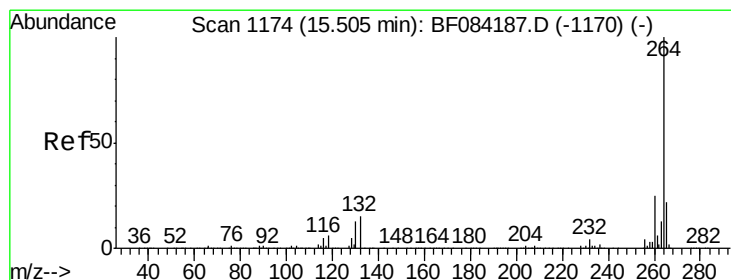
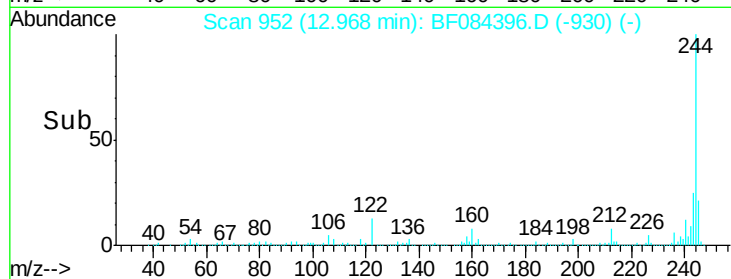
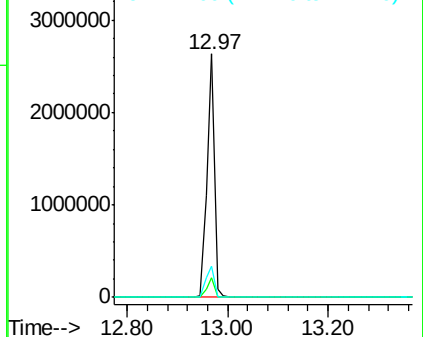
122 13.0 7.4 11.0#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.07 min

Lab File: BF084396.D

Acq: 11 Jan 2016 23:21

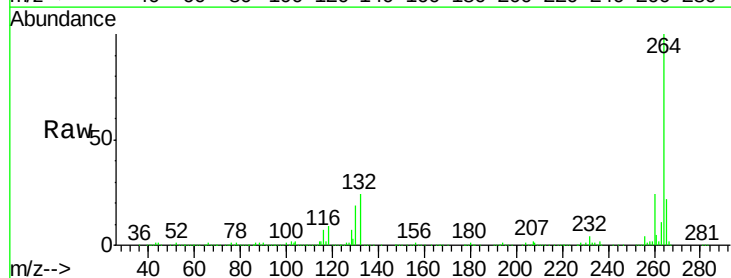
Tgt Ion:264 Resp: 570321

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

265 22.0 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

