

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
 Data File : BF084462.D
 Acq On : 14 Jan 2016 00:51
 Operator : SJ/UM
 Sample : H1083-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-18-010516

Quant Time: Jan 14 11:15:53 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	267051	20.00	ng	-0.07
21) Naphthalene-d8	8.12	136	1116542	20.00	ng	-0.07
38) Acenaphthene-d10	9.87	164	530671	20.00	ng	-0.08
63) Phenanthrene-d10	11.36	188	1022800	20.00	ng	-0.07
75) Chrysene-d12	13.99	240	846607	20.00	ng	-0.08
86) Perylene-d12	15.40	264	609255	20.00	ng	-0.10

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	2008277	121.64	ng	-0.03
7) Phenol-d6	6.48	99	2003612	96.63	ng	-0.06
23) Nitrobenzene-d5	7.40	82	1817650	90.60	ng	-0.07
41) 2,4,6-Tribromophenol	10.66	330	663423	123.83	ng	-0.08
44) 2-Fluorobiphenyl	9.20	172	2558320	84.79	ng	-0.07
78) Terphenyl-d14	12.95	244	2646160	69.77	ng	-0.07

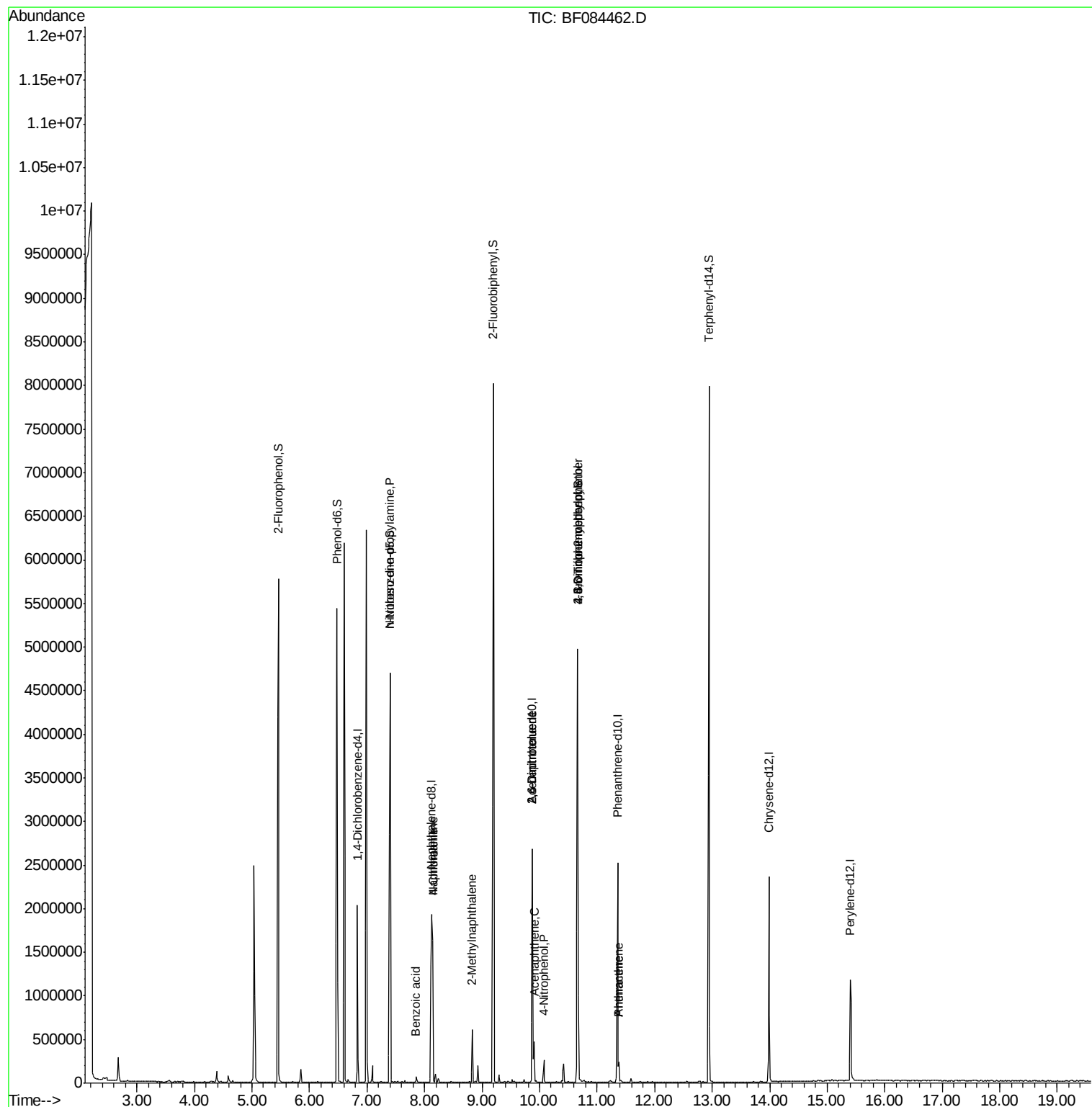
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	252826	18.01	ng	# 75
31) Naphthalene	8.14	128	1216274	24.01	ng	99
32) Benzoic acid	7.85	122	1912	6.39	ng	# 82
33) 4-Chloroaniline	8.14	127	160487	6.91	ng	# 32
37) 2-Methylnaphthalene	8.83	142	159787	4.39	ng	97
50) 2,6-Dinitrotoluene	9.87	165	68933	8.28	ng	# 37
51) Acenaphthene	9.90	154	132450	4.03	ng	98
54) Dibenzofuran	10.08	168	117269	Below Cal		98
55) 4-Nitrophenol	10.08	139	43772	5.85	ng	# 11
56) 2,4-Dinitrotoluene	9.87	165	68936	6.55	ng	# 21
57) Fluorene	10.42	166	76062	Below Cal		100
64) 4,6-Dinitro-2-methylphenol	10.66	198	1450	6.59	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	41427	3.76	ng	# 1
70) Phenanthrene	11.38	178	109491	2.05	ng	97
71) Anthracene	11.38	178	109491	2.09	ng	96
73) Di-n-butylphthalate	11.92	149	3197	Below Cal		# 79

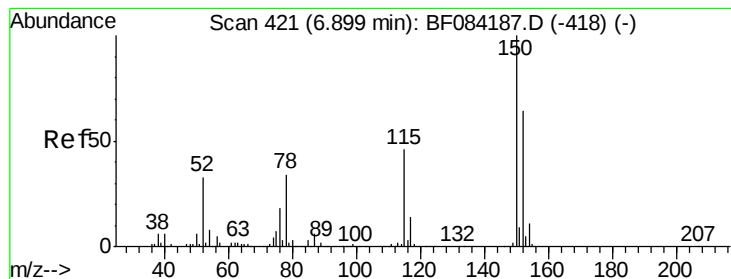
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF084462.D

Acq: 14 Jan 2016 00:51

Instrument :

BNA_F

ClientSampleId :

HSR-WC-18-010516

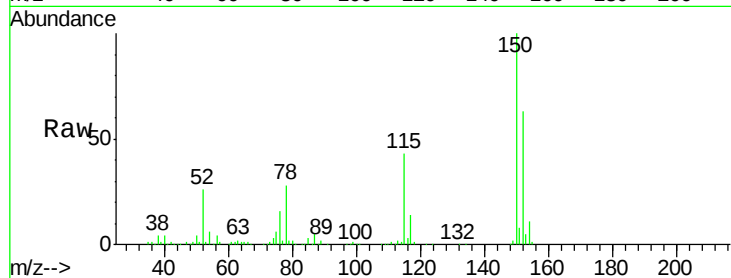
Tot Ion:152 Resp: 267051

Ion Ratio Lower Upper

152 100

150 158.3 123.0 184.4

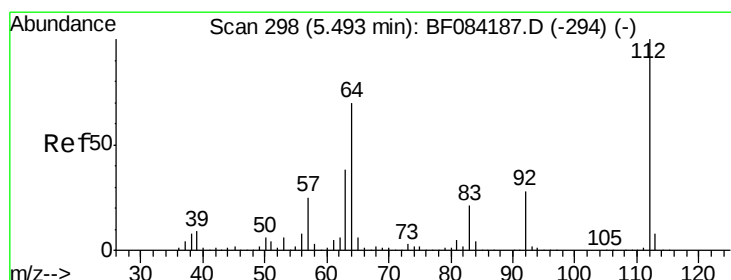
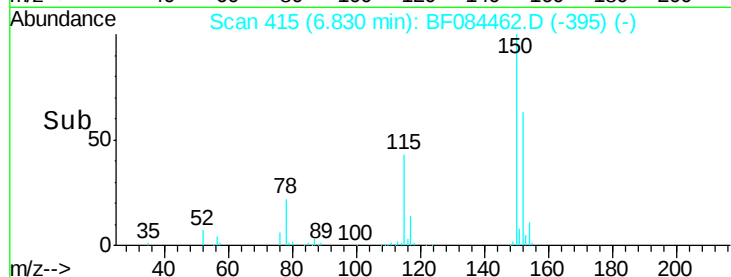
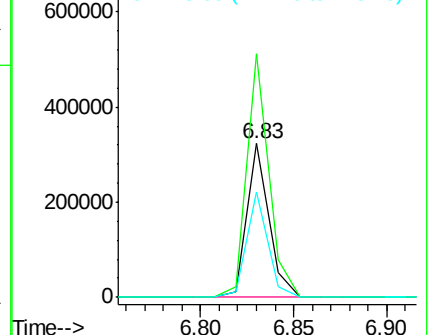
115 68.5 51.4 77.2



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: 121.64 ng

RT: 5.46 min Scan# 295

Delta R.T. -0.03 min

Lab File: BF084462.D

Acq: 14 Jan 2016 00:51

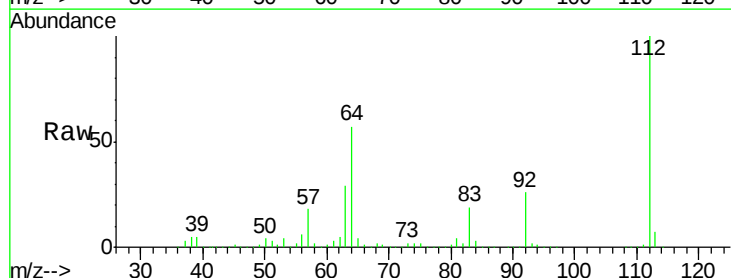
Tgt Ion:112 Resp: 2008277

Ion Ratio Lower Upper

112 100

64 57.1 36.6 55.0#

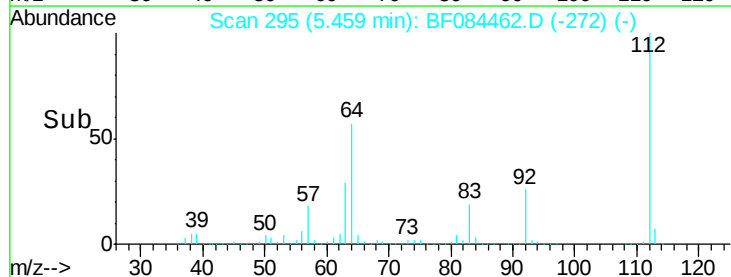
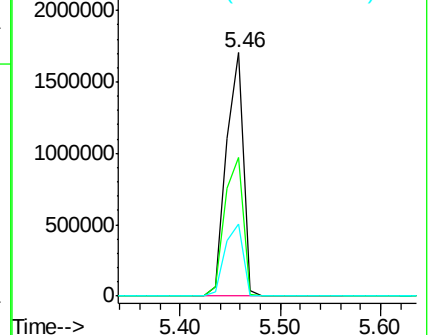
63 29.4 19.4 29.0#

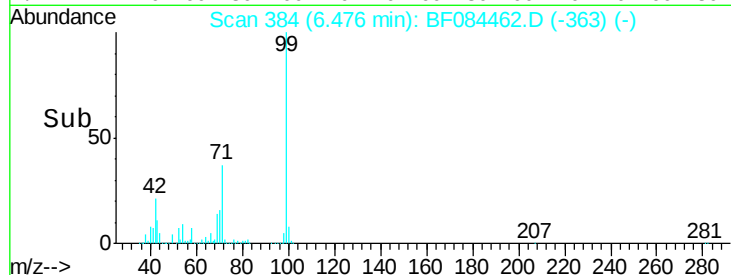
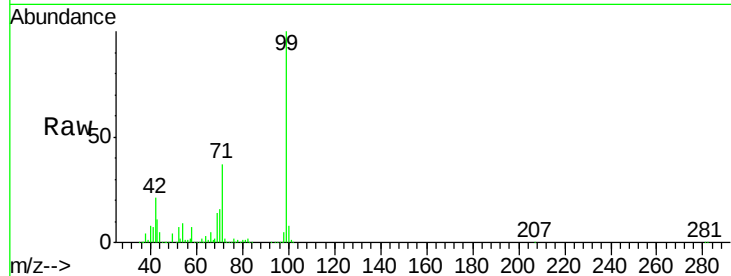
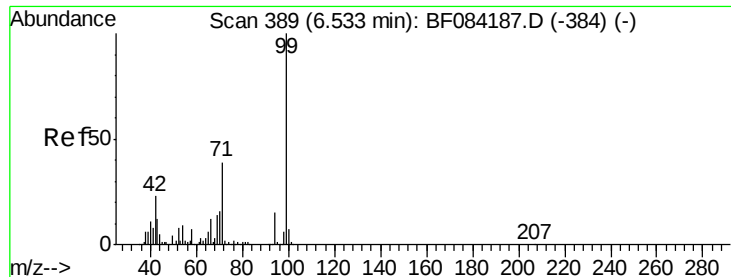


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.63 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.06 min

Lab File: BF084462.D

Acq: 14 Jan 2016 00:51

Instrument :

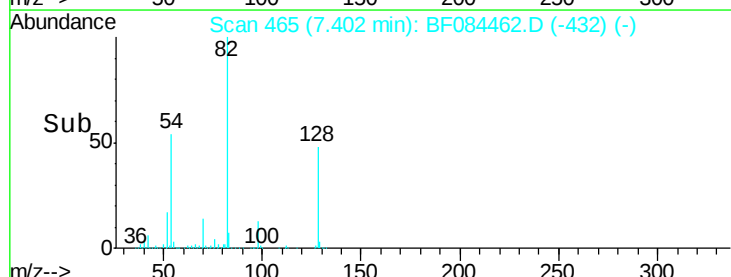
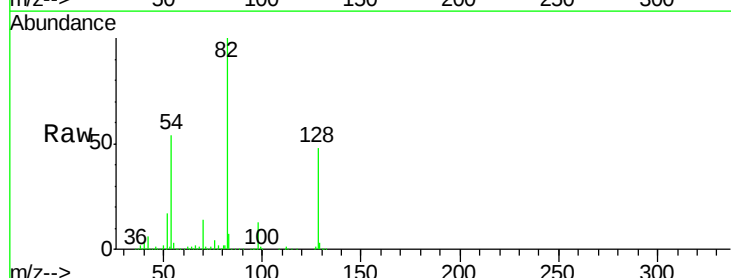
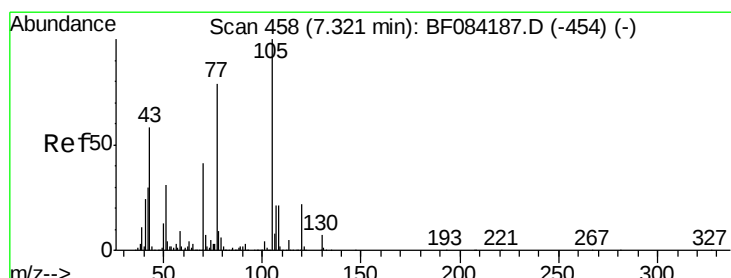
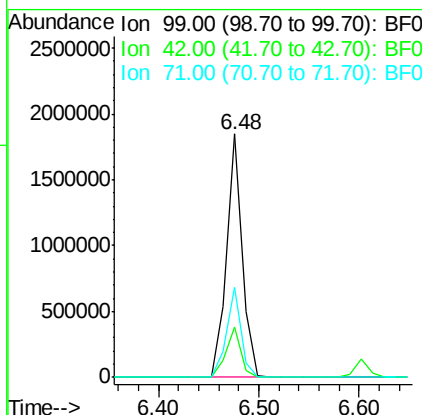
BNA_F

ClientSampleId :

HSR-WC-18-010516

Tot Ion: 99 Resp: 2003612

Ion	Ratio	Lower	Upper
99	100		
42	20.7	12.8	19.2#
71	36.8	30.9	46.3



#19

n-Nitroso-di-n-propylamine

Concen: 18.01 ng

RT: 7.40 min Scan# 465

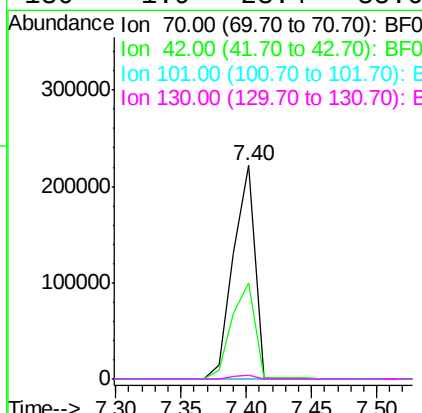
Delta R.T. 0.08 min

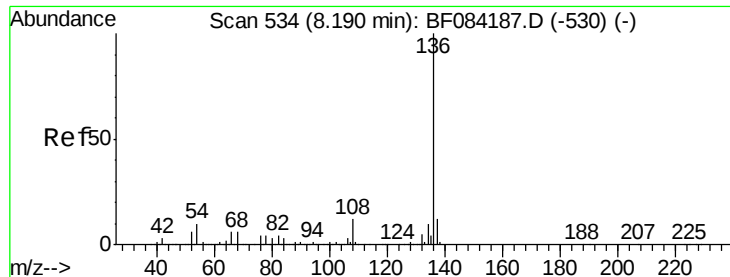
Lab File: BF084462.D

Acq: 14 Jan 2016 00:51

Tgt Ion: 70 Resp: 252826

Ion	Ratio	Lower	Upper
70	100		
42	45.2	33.3	49.9
101	0.0	9.3	13.9#
130	1.9	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: BF084462.D

Acq: 14 Jan 2016 00:51

Instrument :

BNA_F

ClientSampleId :

HSR-WC-18-010516

Tot Ion:136 Resp: 1116542

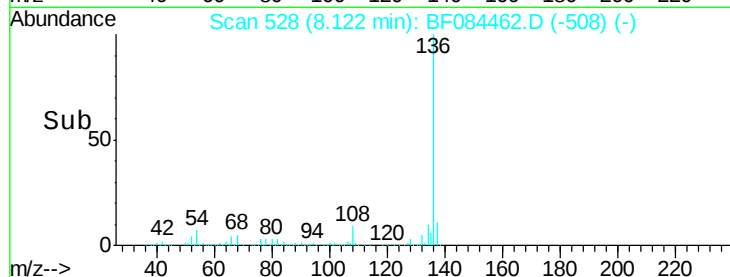
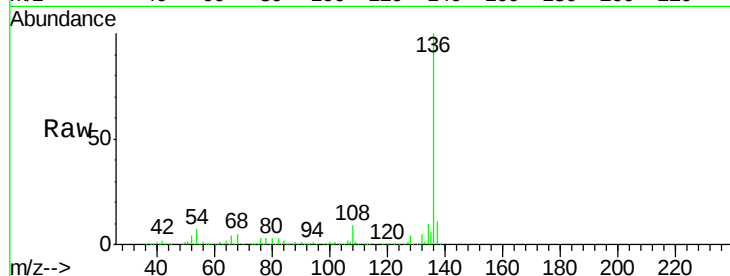
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.2 5.8 8.8

68 4.6 4.2 6.2

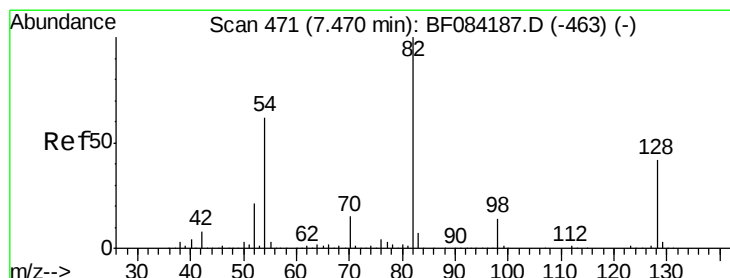
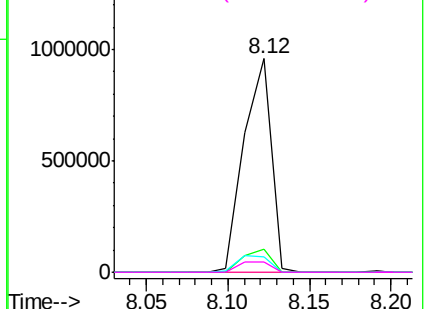


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.60 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.07 min

Lab File: BF084462.D

Acq: 14 Jan 2016 00:51

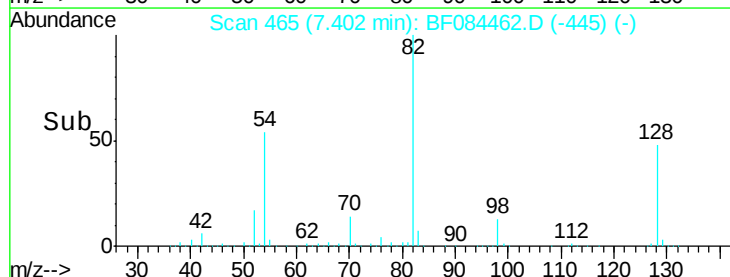
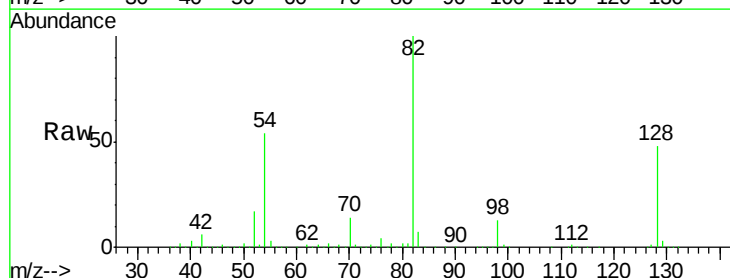
Tgt Ion: 82 Resp: 1817650

Ion Ratio Lower Upper

82 100

128 47.8 34.6 51.8

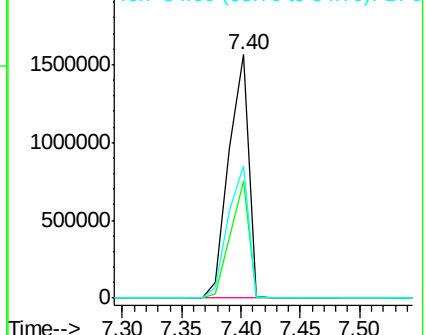
54 54.5 38.4 57.6

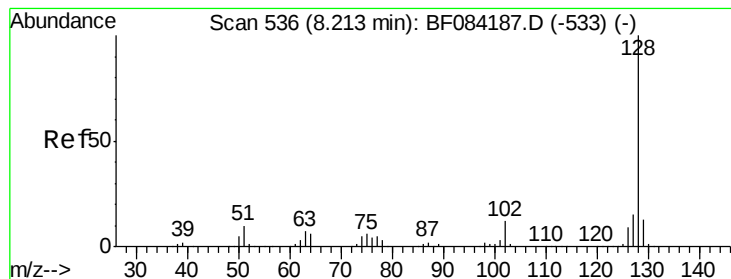


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 24.01 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.07 min

Lab File: BF084462.D

Acq: 14 Jan 2016 00:51

Instrument :

BNA_F

ClientSampleId :

HSR-WC-18-010516

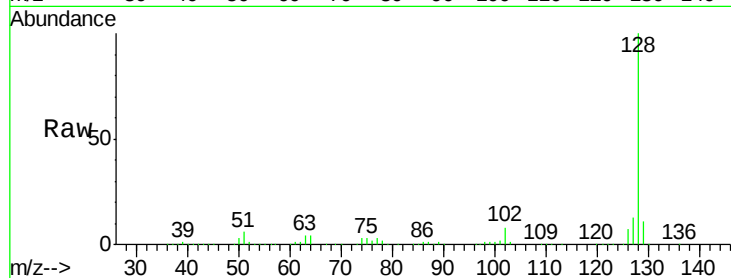
Tot Ion:128 Resp: 1216274

Ion Ratio Lower Upper

128 100

129 11.1 9.1 13.7

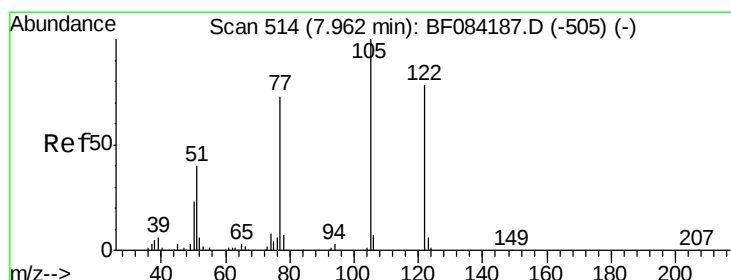
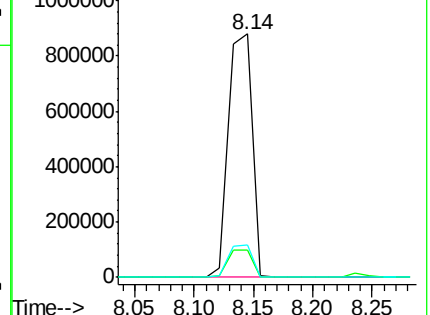
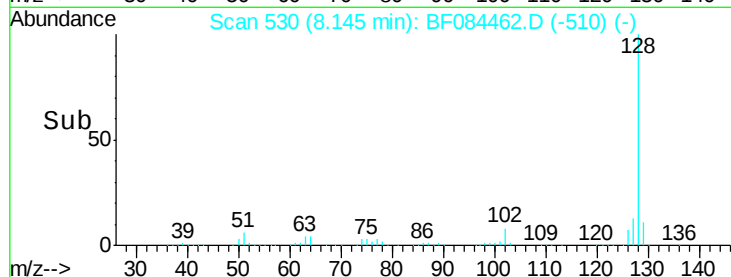
127 13.1 11.1 16.7



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: 6.39 ng

RT: 7.85 min Scan# 504

Delta R.T. -0.11 min

Lab File: BF084462.D

Acq: 14 Jan 2016 00:51

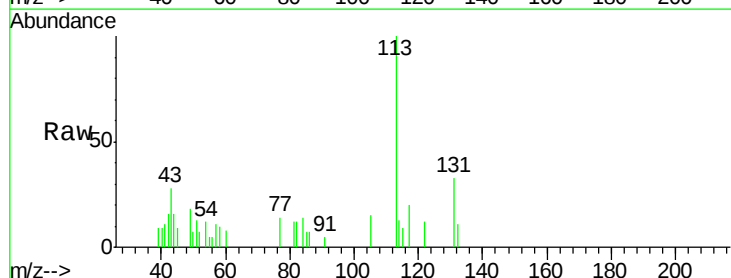
Tgt Ion:122 Resp: 1912

Ion Ratio Lower Upper

122 100

105 125.1 100.3 140.3

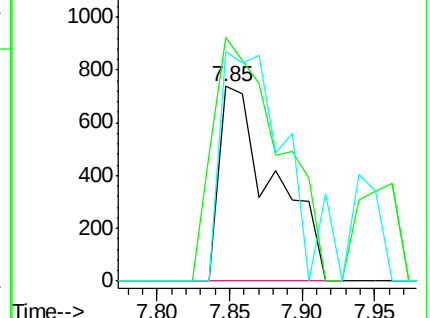
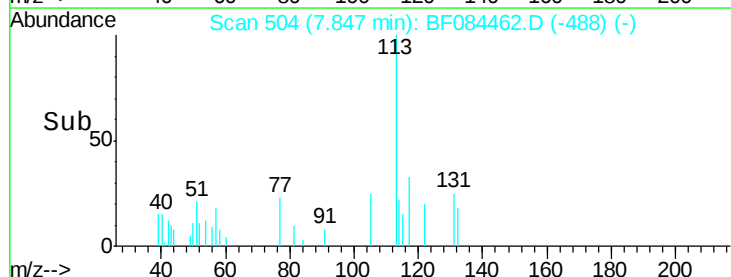
77 117.9 63.5 103.5#

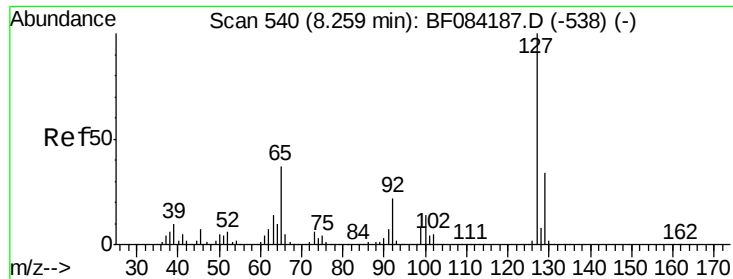


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

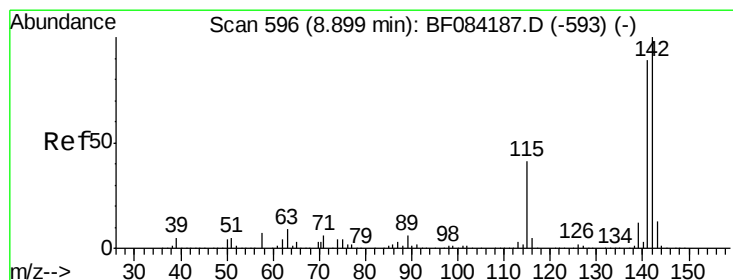
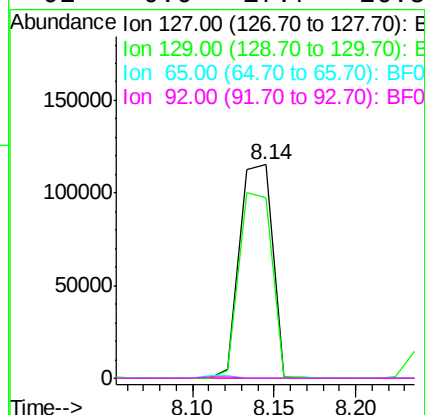
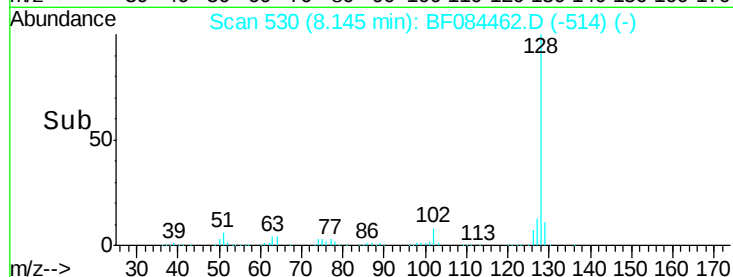
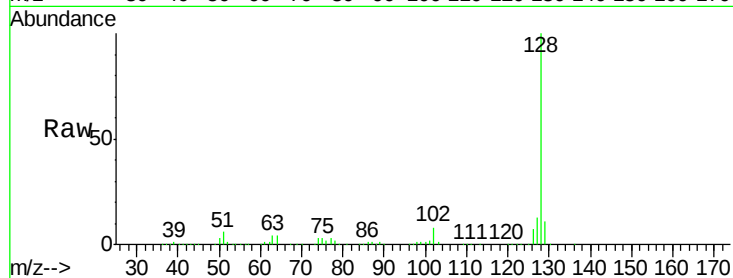




#33
4-Chloroaniline
Concen: 6.91 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.11 min
Lab File: BF084462.D
Acq: 14 Jan 2016 00:51

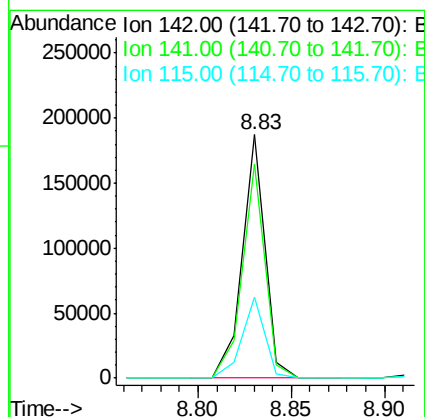
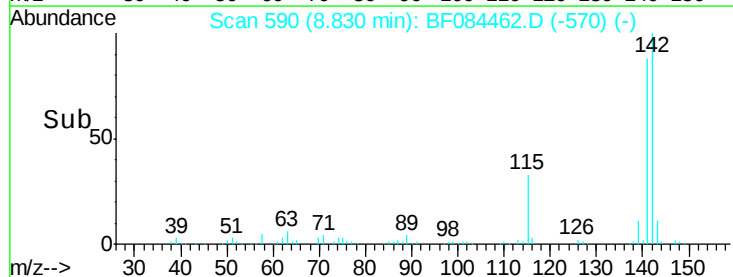
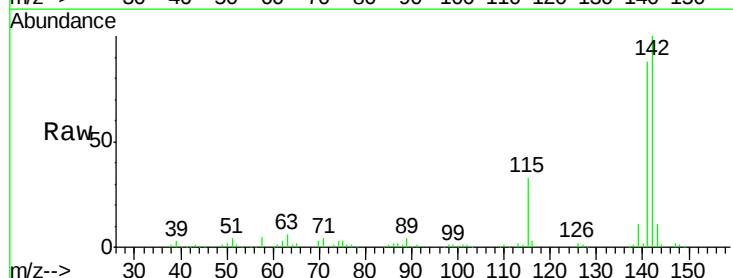
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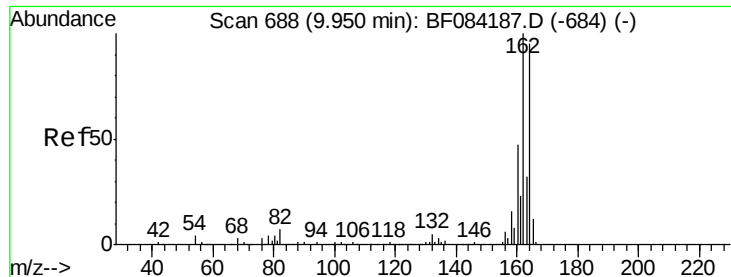
Tot Ion:	127	Resp:	160487
Ion	Ratio	Lower	Upper
127	100		
129	84.7	26.5	39.7#
65	0.0	27.2	40.8#
92	0.0	17.7	26.5#



#37
2-Methylnaphthalene
Concen: 4.39 ng
RT: 8.83 min Scan# 590
Delta R.T. -0.07 min
Lab File: BF084462.D
Acq: 14 Jan 2016 00:51

Tgt Ion:	142	Resp:	159787
Ion	Ratio	Lower	Upper
142	100		
141	87.9	72.4	108.6
115	33.3	27.9	41.9

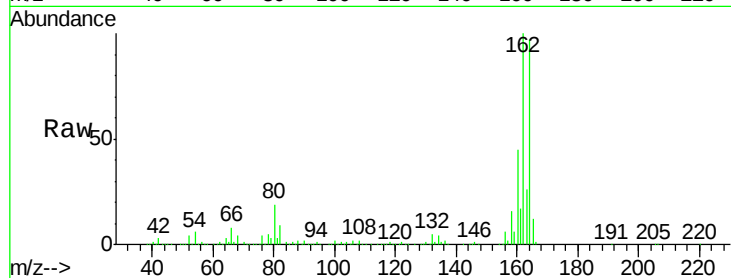




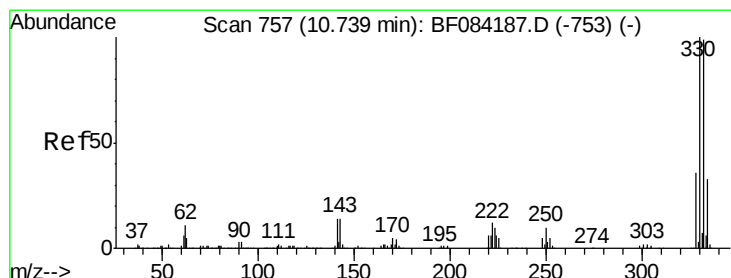
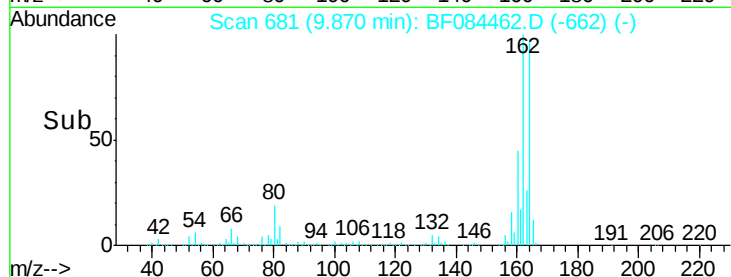
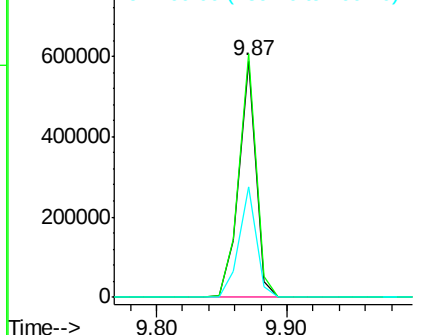
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.08 min
 Lab File: BF084462.D
 Acq: 14 Jan 2016 00:51

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-18-010516

Tot Ion:164 Resp: 530671
 Ion Ratio Lower Upper
 164 100
 162 103.0 85.1 127.7
 160 46.8 37.5 56.3

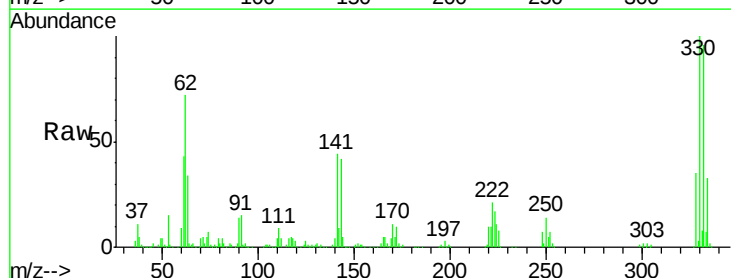


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

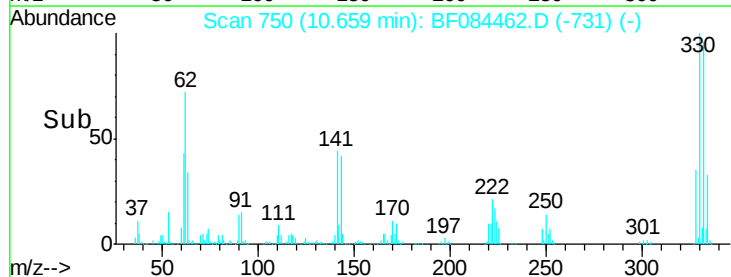
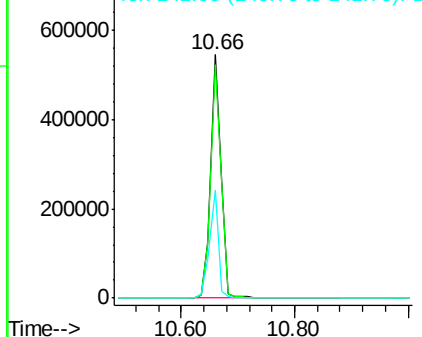


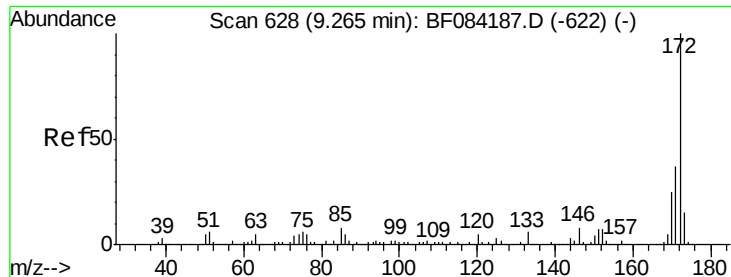
#41
 2,4,6-Tribromophenol
 Concen: 123.83 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.08 min
 Lab File: BF084462.D
 Acq: 14 Jan 2016 00:51

Tgt Ion:330 Resp: 663423
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 114.8
 141 37.6 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

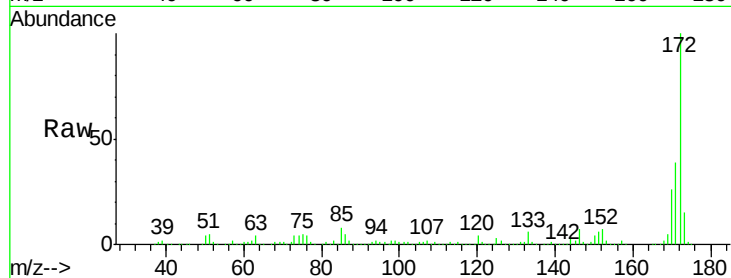




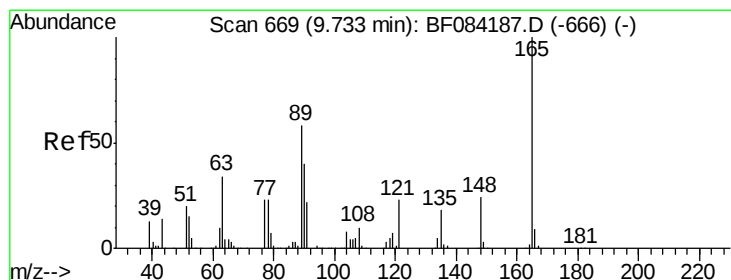
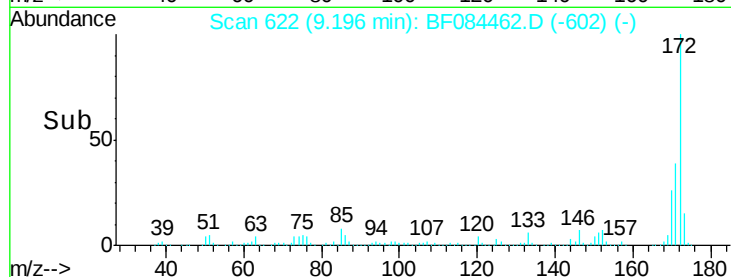
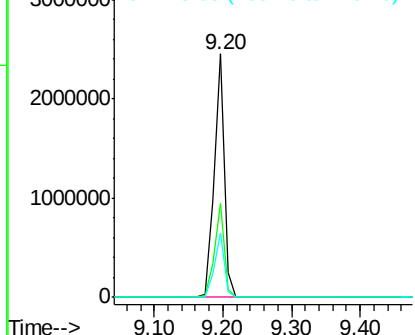
#44
 2-Fluorobiphenyl
 Concen: 84.79 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.07 min
 Lab File: BF084462.D
 Acq: 14 Jan 2016 00:51

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-18-010516

Tot Ion:172 Resp: 2558320
 Ion Ratio Lower Upper
 172 100
 171 38.7 28.9 43.3
 170 26.4 18.6 27.8

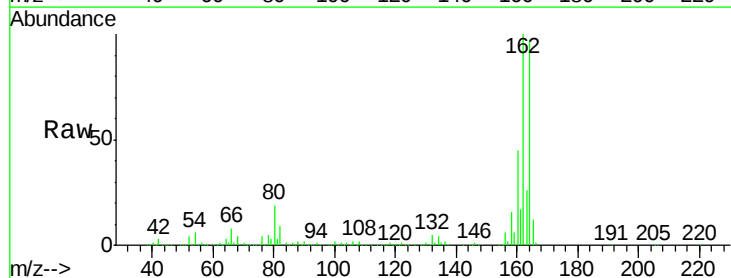


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

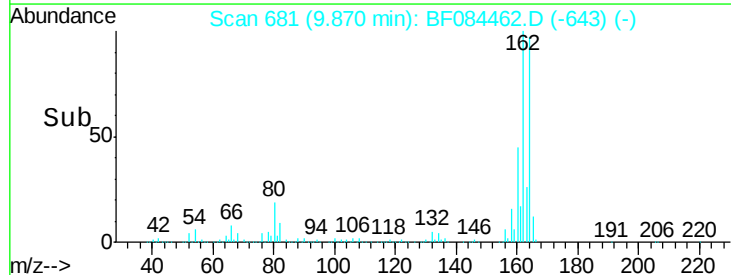
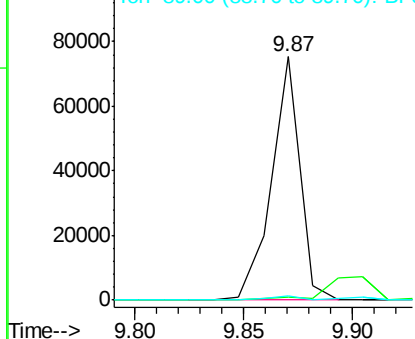


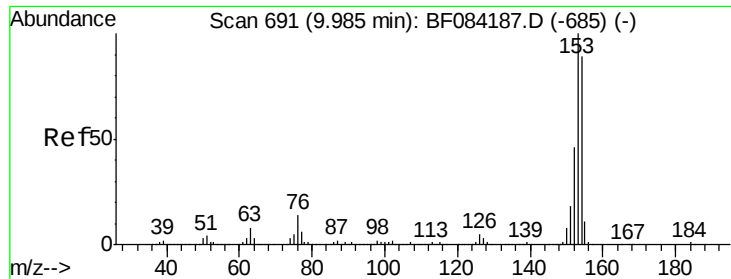
#50
 2,6-Dinitrotoluene
 Concen: 8.28 ng
 RT: 9.87 min Scan# 681
 Delta R.T. 0.14 min
 Lab File: BF084462.D
 Acq: 14 Jan 2016 00:51

Tgt Ion:165 Resp: 68933
 Ion Ratio Lower Upper
 165 100
 63 1.0 28.8 43.2#
 89 1.7 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





#51

Acenaphthene

Concen: 4.03 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.08 min

Lab File: BF084462.D

Acq: 14 Jan 2016 00:51

Instrument :

BNA_F

ClientSampleId :

HSR-WC-18-010516

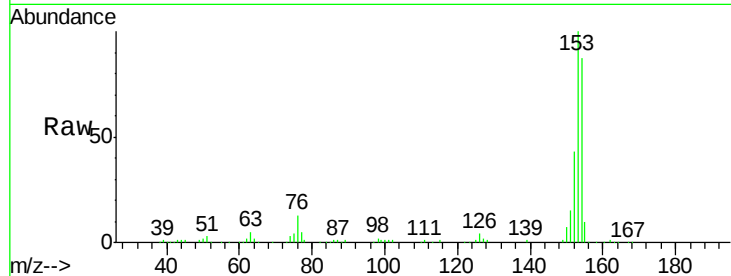
Tot Ion:154 Resp: 132450

Ion Ratio Lower Upper

154 100

153 114.7 91.5 137.3

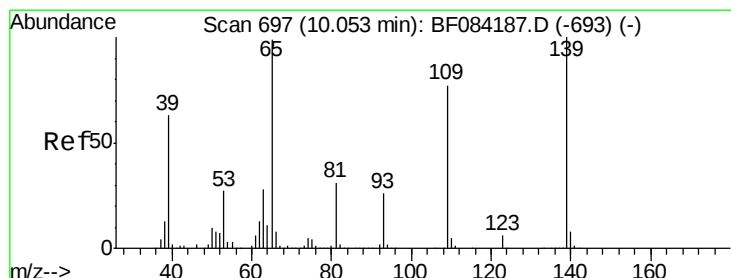
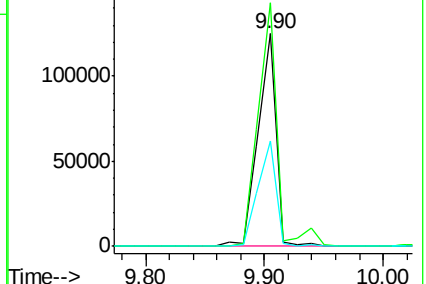
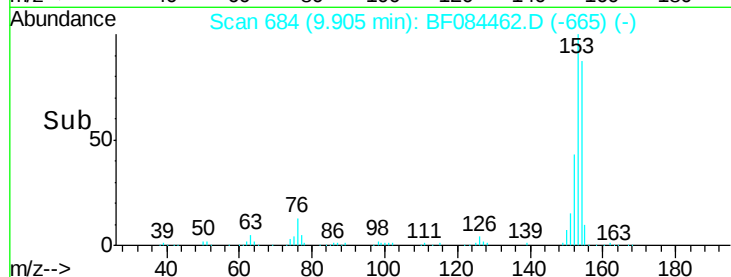
152 49.6 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 5.85 ng

RT: 10.08 min Scan# 699

Delta R.T. 0.02 min

Lab File: BF084462.D

Acq: 14 Jan 2016 00:51

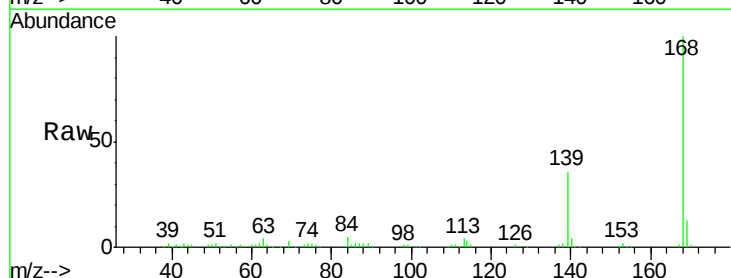
Tgt Ion:139 Resp: 43772

Ion Ratio Lower Upper

139 100

109 1.1 58.5 98.5#

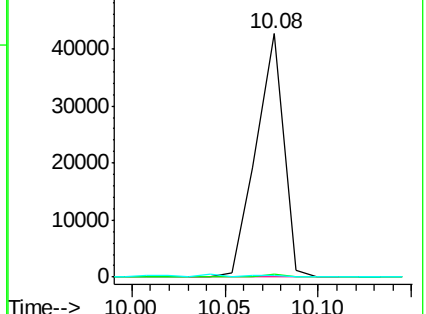
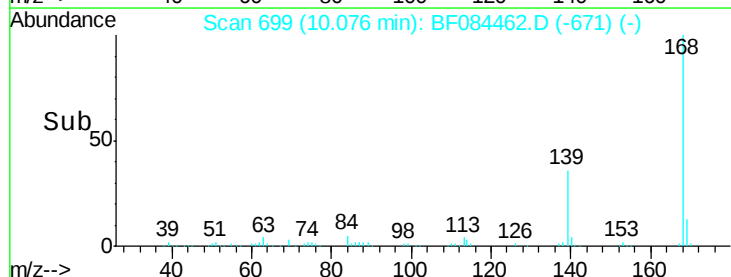
65 0.9 57.6 97.6#

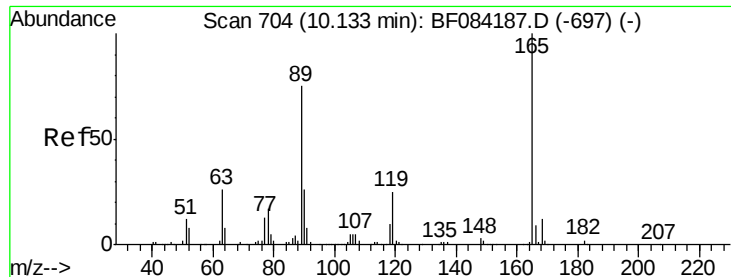


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

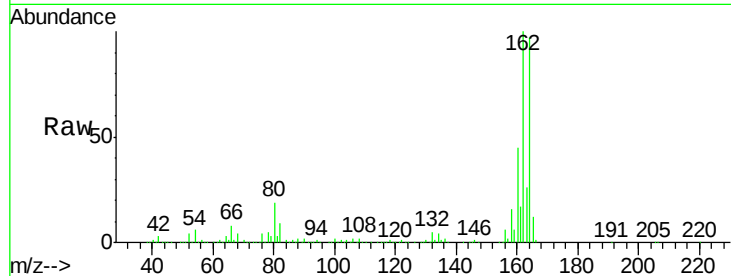




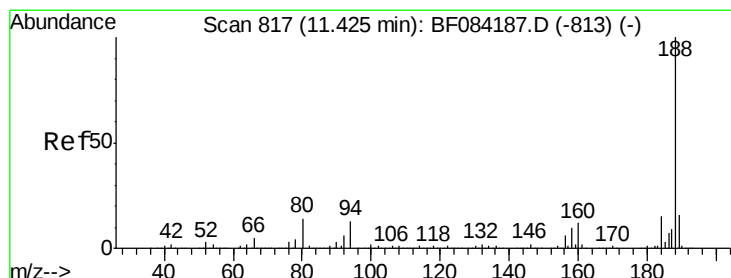
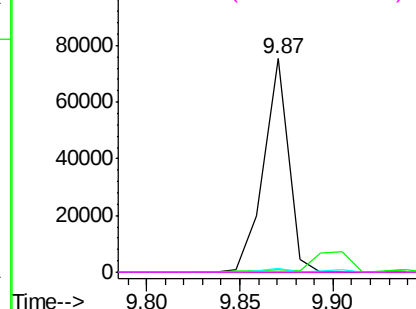
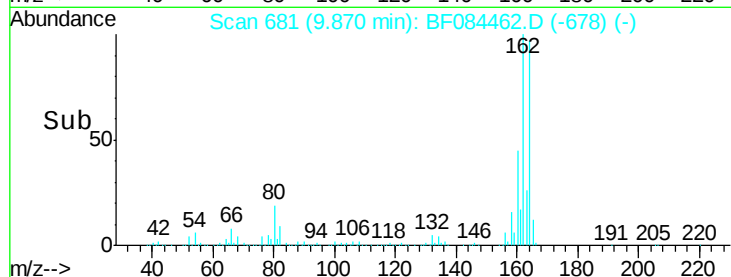
#56
2,4-Dinitrotoluene
Concen: 6.55 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.26 min
Lab File: BF084462.D
Acq: 14 Jan 2016 00:51

Instrument :
BNA_F
ClientSampleId :
HSR-WC-18-010516

Tot Ion:165 Resp: 68936
Ion Ratio Lower Upper
165 100
63 1.0 36.7 55.1#
89 1.7 61.9 92.9#
182 0.0 2.0 3.0#

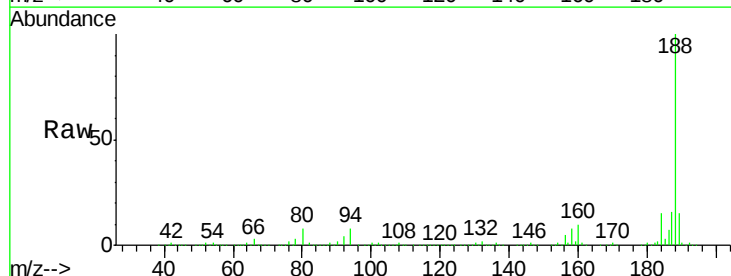


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

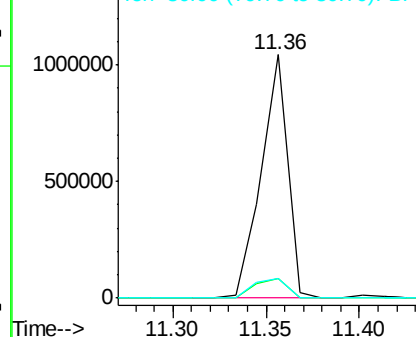
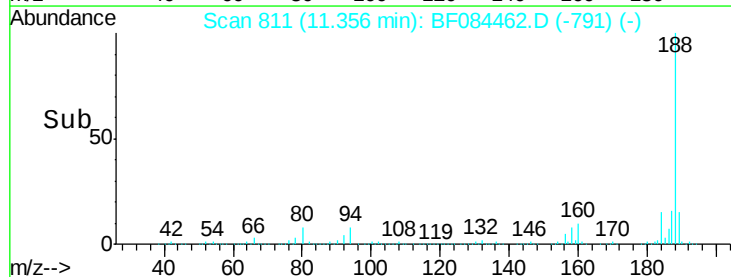


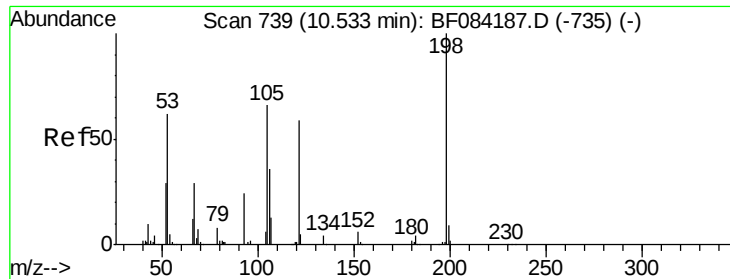
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.07 min
Lab File: BF084462.D
Acq: 14 Jan 2016 00:51

Tgt Ion:188 Resp: 1022800
Ion Ratio Lower Upper
188 100
94 8.2 9.0 13.4#
80 7.9 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: 6.59 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.13 min

Lab File: BF084462.D

Acq: 14 Jan 2016 00:51

Instrument :

BNA_F

ClientSampleId :

HSR-WC-18-010516

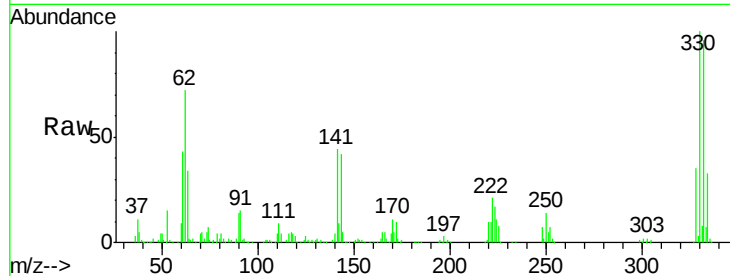
Tot Ion:198 Resp: 1450

Ion Ratio Lower Upper

198 100

51 197.0 18.9 58.9#

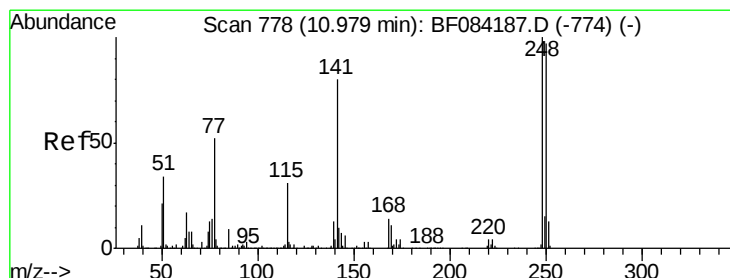
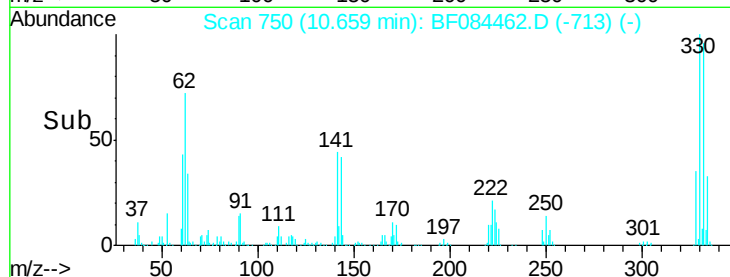
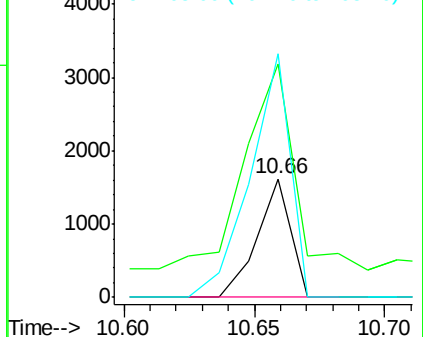
105 205.1 26.4 66.4#



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: 3.76 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.32 min

Lab File: BF084462.D

Acq: 14 Jan 2016 00:51

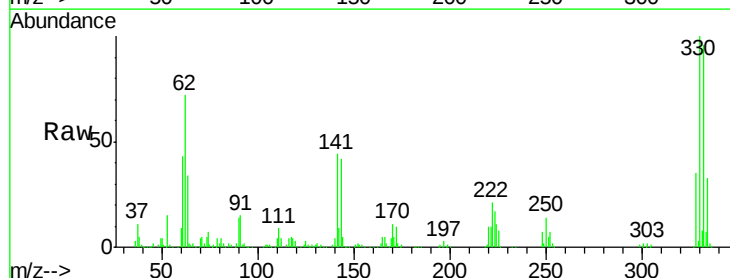
Tgt Ion:248 Resp: 41427

Ion Ratio Lower Upper

248 100

250 191.3 78.4 117.6#

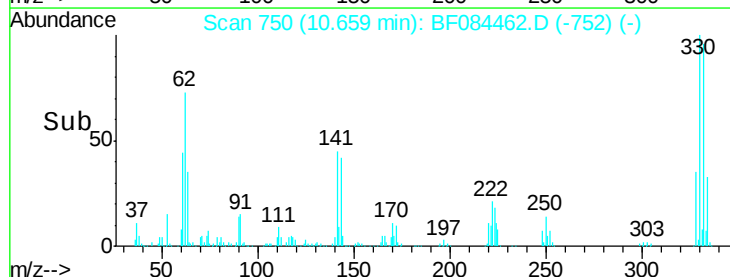
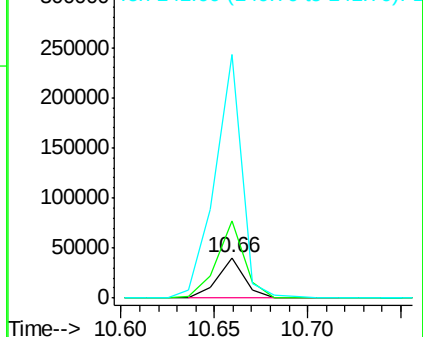
141 605.0 44.0 66.0#

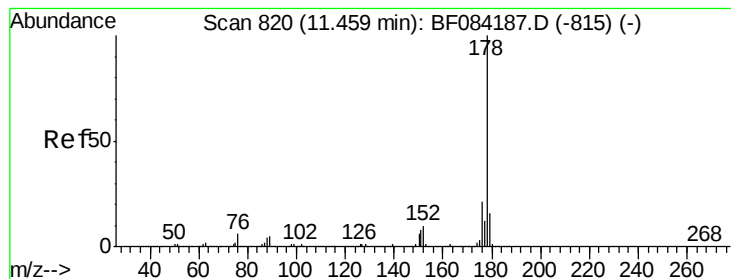


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.05 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.08 min

Lab File: BF084462.D

Acq: 14 Jan 2016 00:51

Instrument :

BNA_F

ClientSampleId :

HSR-WC-18-010516

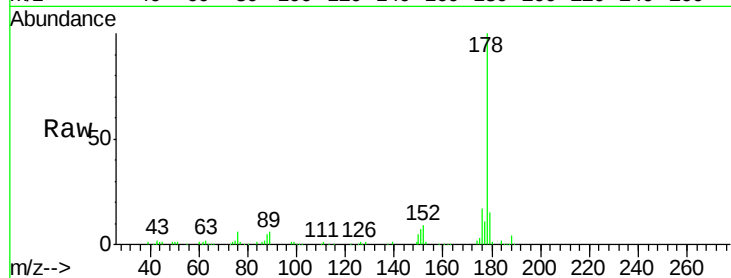
Tot Ion:178 Resp: 109491

Ion Ratio Lower Upper

178 100

176 16.8 15.3 22.9

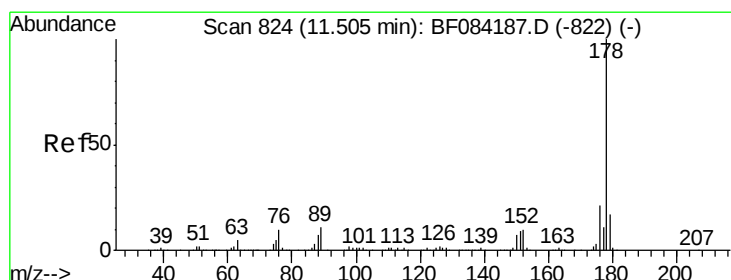
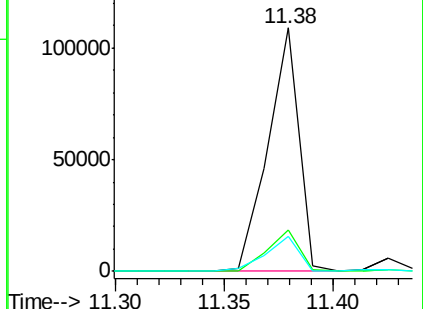
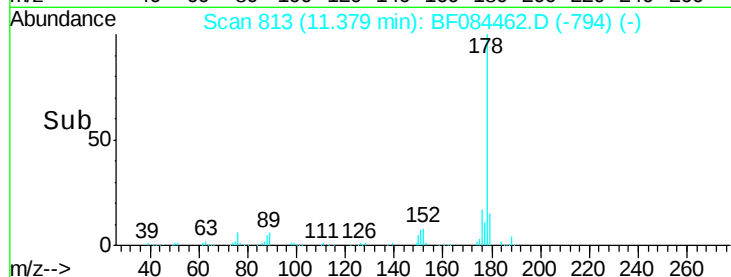
179 14.6 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.09 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.12 min

Lab File: BF084462.D

Acq: 14 Jan 2016 00:51

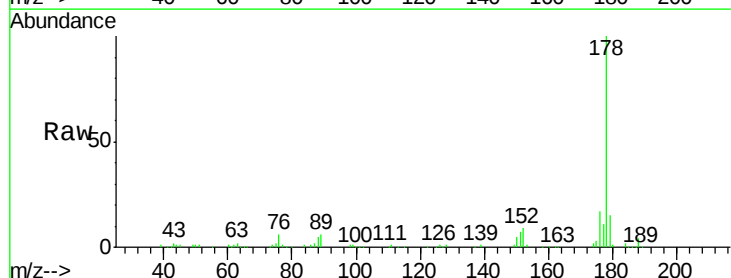
Tgt Ion:178 Resp: 109491

Ion Ratio Lower Upper

178 100

176 16.8 15.4 23.0

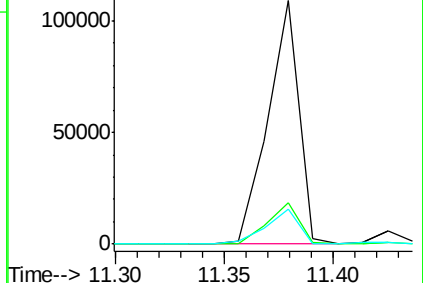
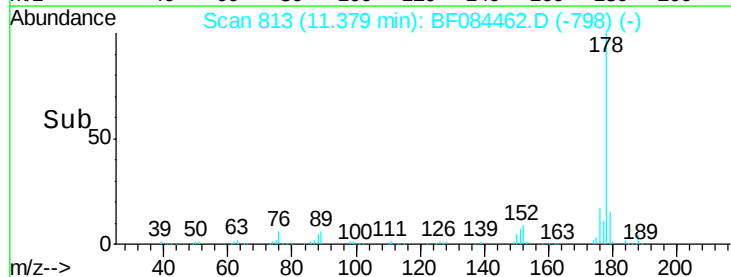
179 14.6 12.5 18.7

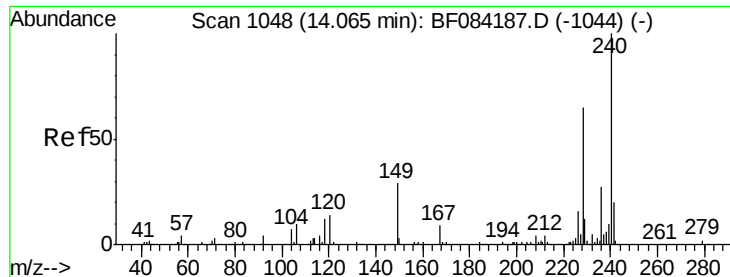


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.08 min

Lab File: BF084462.D

Acq: 14 Jan 2016 00:51

Instrument :

BNA_F

ClientSampleId :

HSR-WC-18-010516

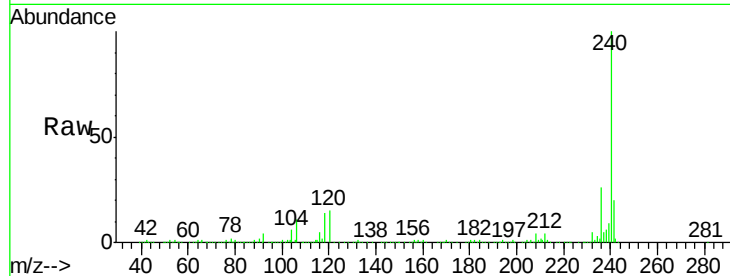
Tot Ion:240 Resp: 846607

Ion Ratio Lower Upper

240 100

120 14.8 9.5 14.3#

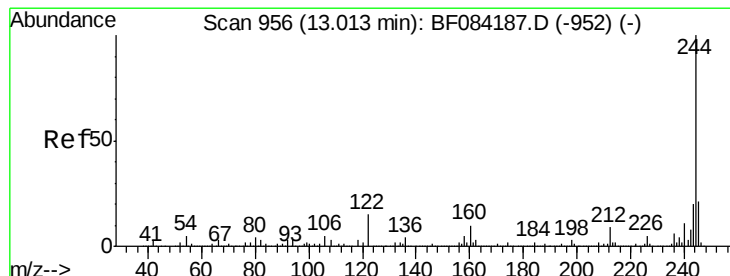
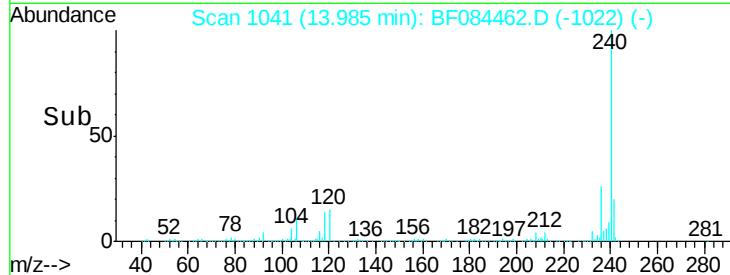
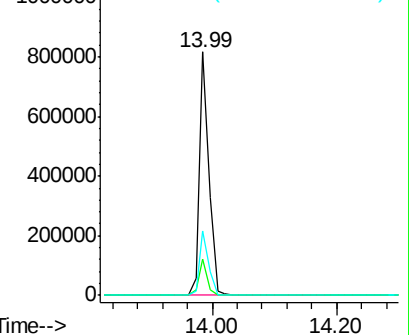
236 26.3 20.6 31.0



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: 69.77 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.07 min

Lab File: BF084462.D

Acq: 14 Jan 2016 00:51

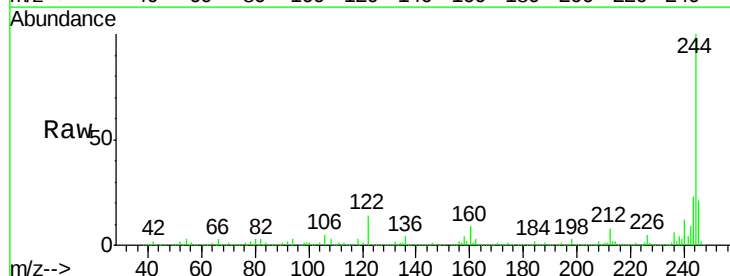
Tgt Ion:244 Resp: 2646160

Ion Ratio Lower Upper

244 100

212 8.1 5.7 8.5

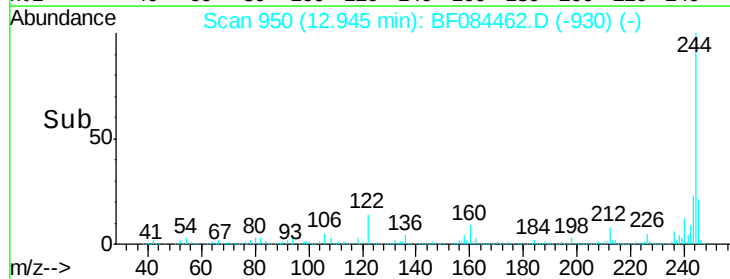
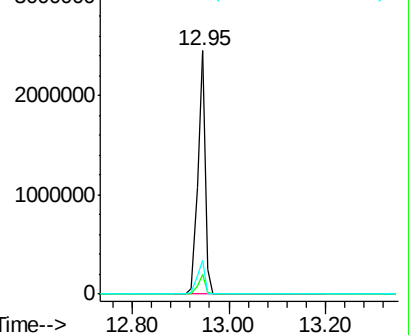
122 14.0 7.4 11.0#

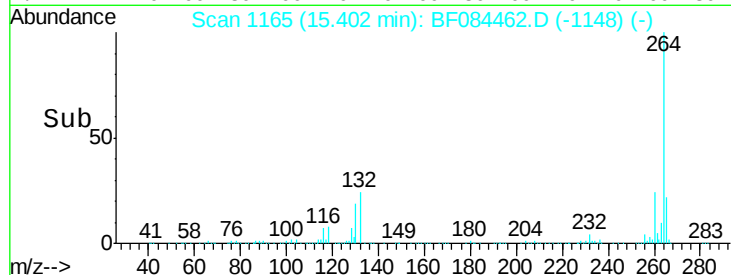
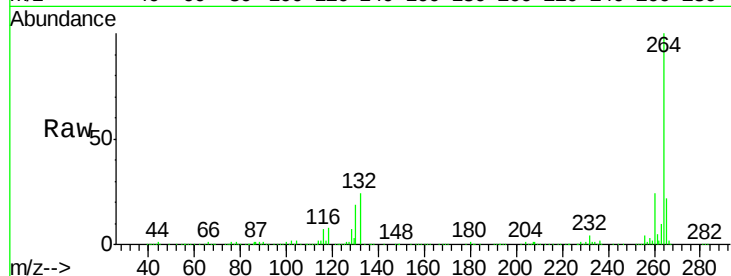
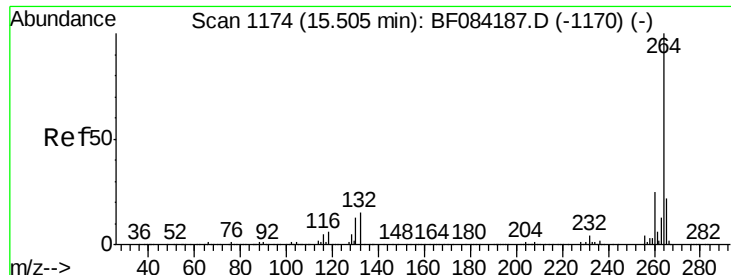


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.10 min
 Lab File: BF084462.D
 Acq: 14 Jan 2016 00:51

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-18-010516

Tot Ion:	264	Resp:	609255
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	21.7	17.8	26.6

