

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020616\
 Data File : BF084914.D
 Acq On : 6 Feb 2016 16:21
 Operator : SJ/IZ
 Sample : H1330-02
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B004(21-23)

Quant Time: Feb 08 01:23:34 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

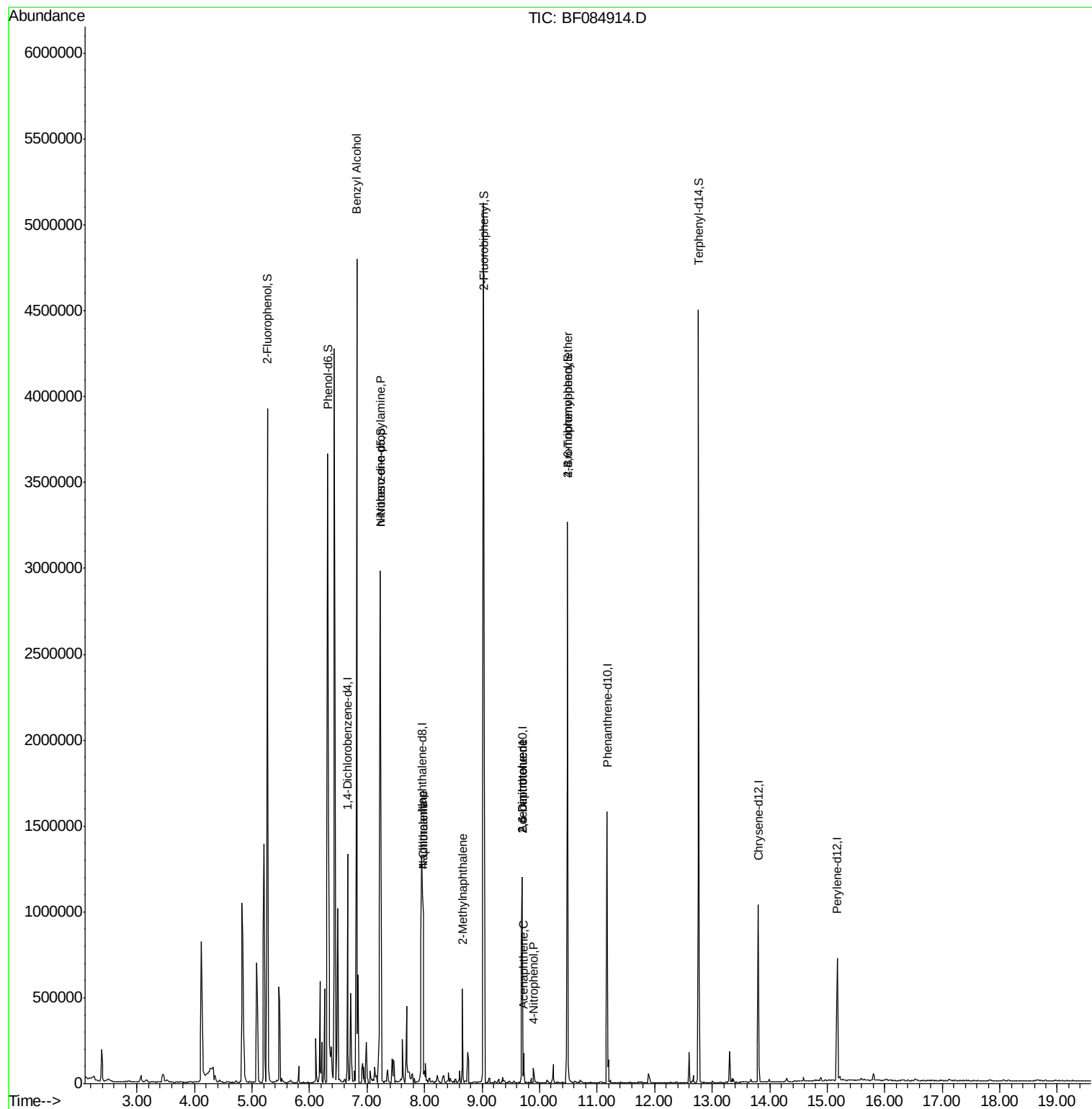
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	170815	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	710209	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	302178	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	537244	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	344450	20.00	ng	-0.03
86) Perylene-d12	15.17	264	329288	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1433354	130.70	ng	-0.01
7) Phenol-d6	6.32	99	1569615	115.45	ng	-0.02
23) Nitrobenzene-d5	7.23	82	1145718	90.88	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	457275	145.08	ng	-0.03
44) 2-Fluorobiphenyl	9.02	172	1944369	134.06	ng	-0.03
78) Terphenyl-d14	12.76	244	1417309	93.24	ng	-0.03
Target Compounds						
15) Benzyl Alcohol	6.82	79	26591	2.83	ng	# 44
19) n-Nitroso-di-n-propylamine	7.23	70	154096	18.08	ng	# 73
31) Naphthalene	7.97	128	697104	19.57	ng	# 98
33) 4-Chloroaniline	7.97	127	93741	6.36	ng	# 37
37) 2-Methylnaphthalene	8.66	142	135252	6.07	ng	# 99
50) 2,6-Dinitrotoluene	9.70	165	38543	7.67	ng	# 38
51) Acenaphthene	9.72	154	43820	2.23	ng	# 97
55) 4-Nitrophenol	9.89	139	16181	3.90	ng	# 12
56) 2,4-Dinitrotoluene	9.70	165	38543	6.01	ng	# 22
66) 4-Bromophenyl-phenylether	10.49	248	30239	5.10	ng	# 1

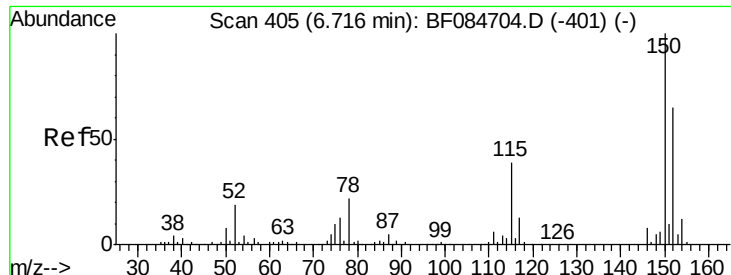
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084914.D

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Instrument :

BNA_F

ClientSampleId :

S4-B004(21-23)

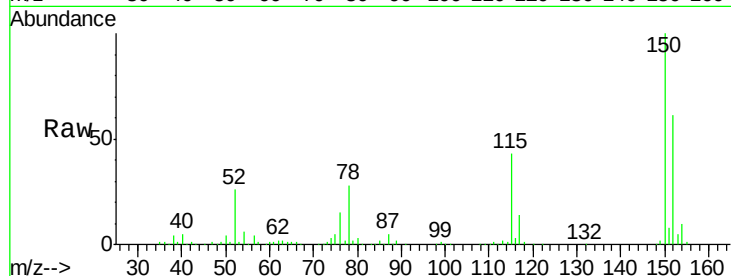
Tgt Ion:152 Resp: 170815

Ion Ratio Lower Upper

152 100

150 163.3 123.0 184.4

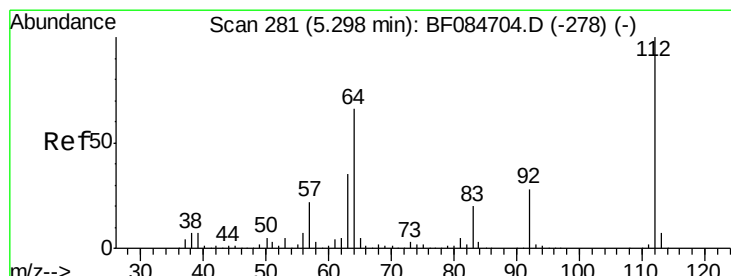
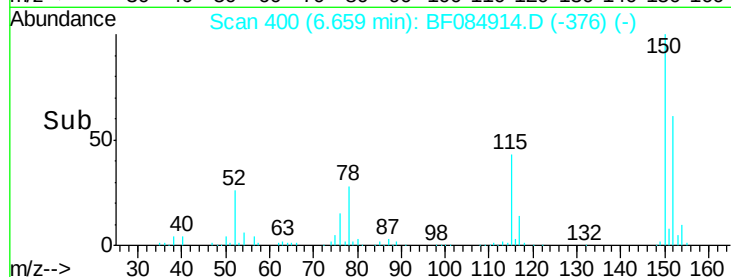
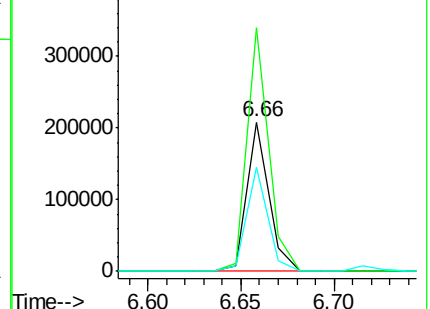
115 70.0 51.4 77.2



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: 130.70 ng

RT: 5.26 min Scan# 278

Delta R.T. -0.01 min

Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

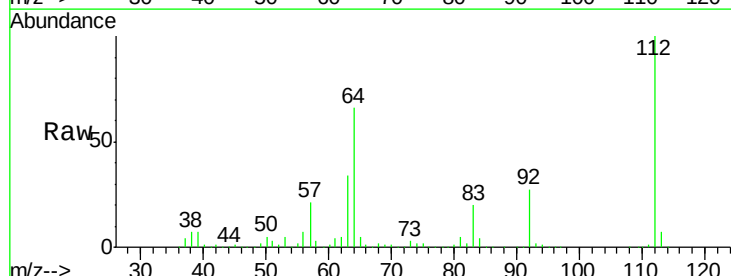
Tgt Ion:112 Resp: 1433354

Ion Ratio Lower Upper

112 100

64 65.9 36.6 55.0#

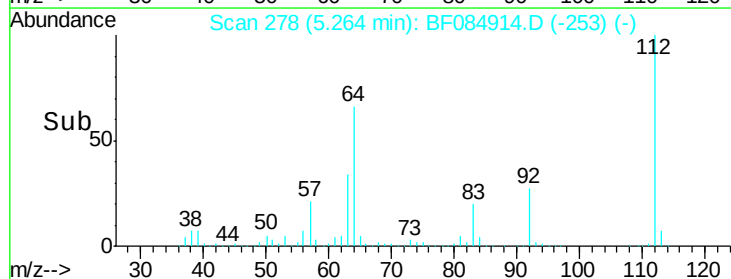
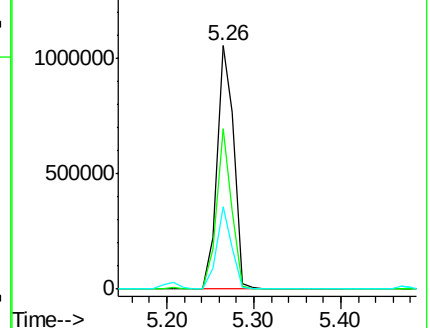
63 33.9 19.4 29.0#

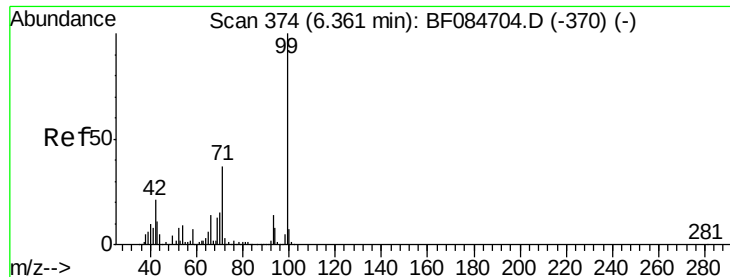


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.45 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.02 min

Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

Instrument :

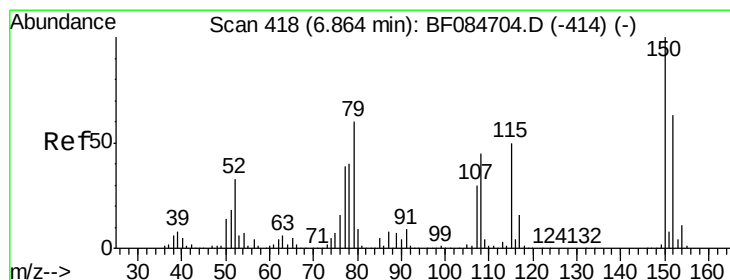
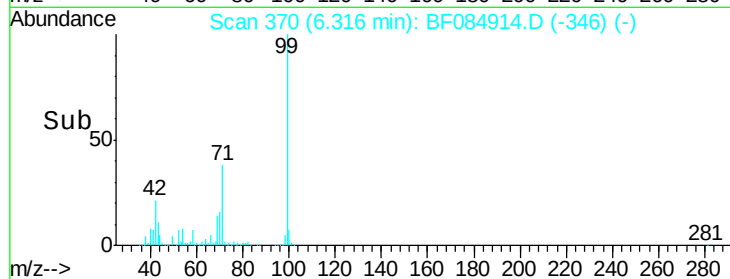
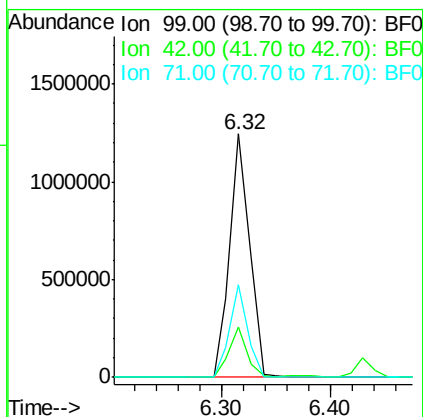
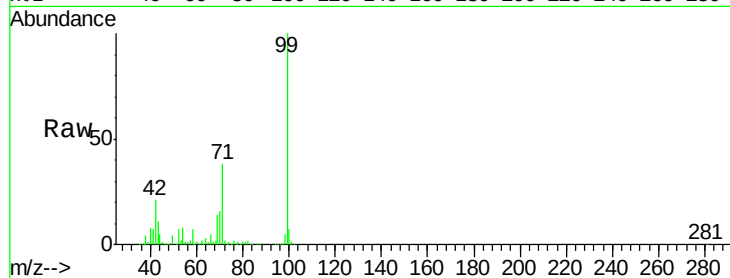
BNA_F

ClientSampleId :

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Tgt Ion: 99 Resp: 1569615

Ion	Ratio	Lower	Upper
99	100		
42	20.9	12.8	19.2#
71	38.1	30.9	46.3



#15

Benzyl Alcohol

Concen: 2.83 ng

RT: 6.82 min Scan# 414

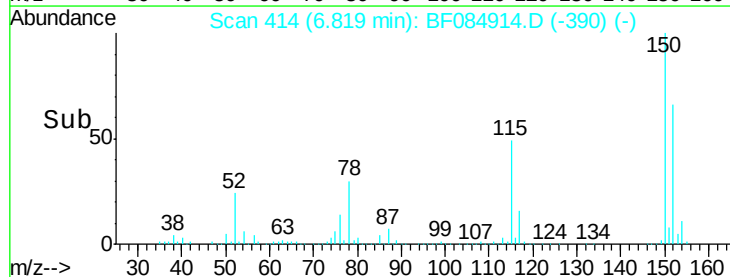
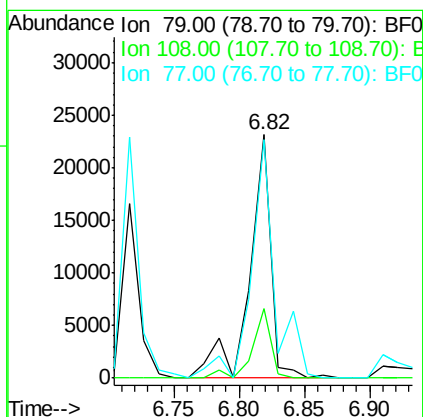
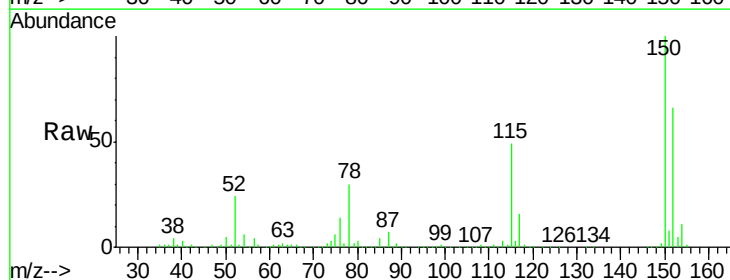
Delta R.T. -0.02 min

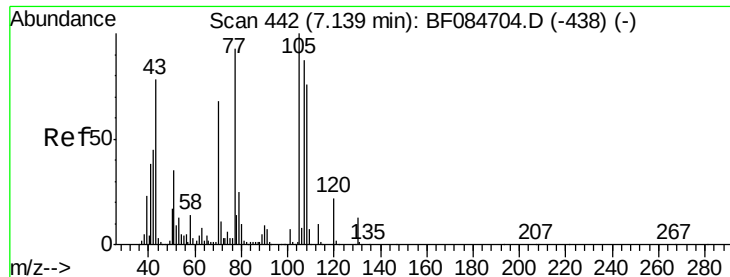
Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

Tgt Ion: 79 Resp: 26591

Ion	Ratio	Lower	Upper
79	100		
108	28.5	69.0	103.4#
77	97.9	50.0	75.0#

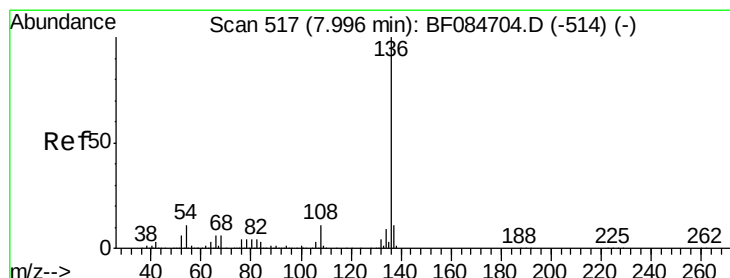
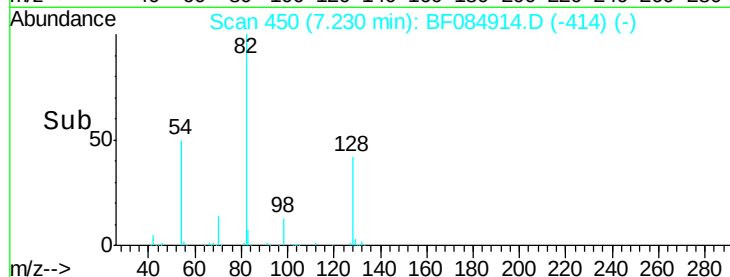
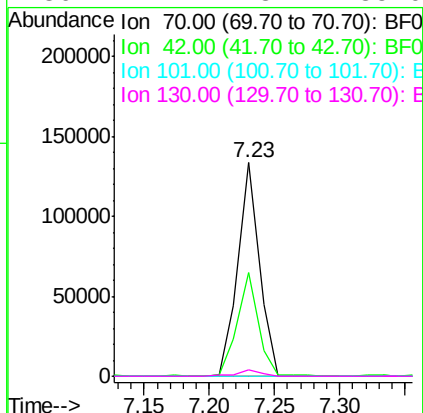
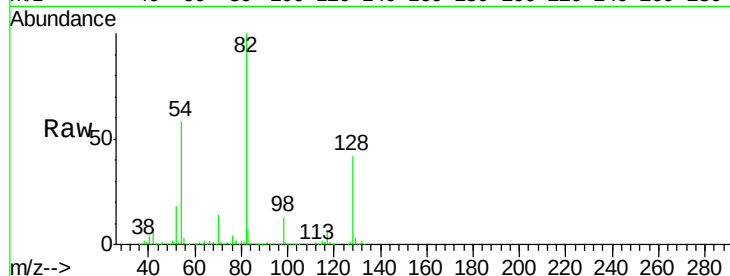




#19
n-Nitroso-di-n-propylamine
Concen: 18.08 ng
RT: 7.23 min Scan# 450
Delta R.T. 0.11 min
Lab File: BF084914.D
Acq: 6 Feb 2016 16:21

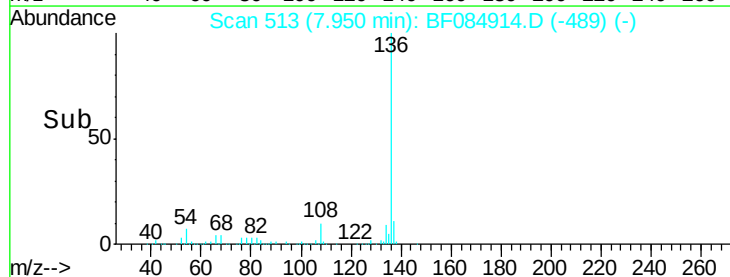
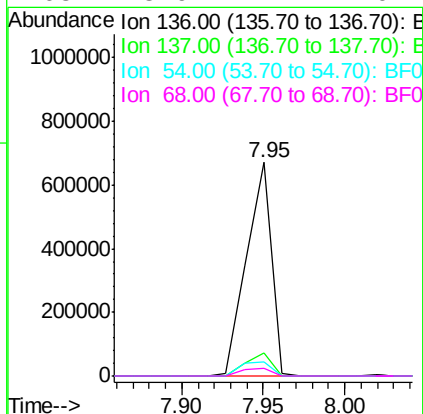
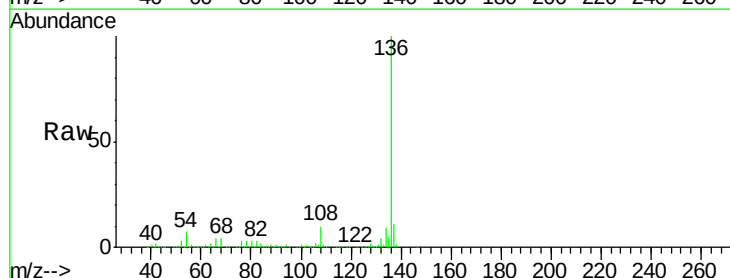
Instrument :
BNA_F
ClientSampleId :
S4-B004(21-23)

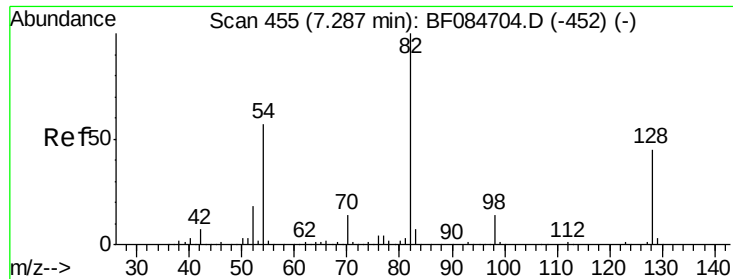
Tgt Ion	Ratio	Lower	Upper
70	100		
42	48.6	33.3	49.9
101	0.3	9.3	13.9#
130	2.7	23.4	35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF084914.D
Acq: 6 Feb 2016 16:21

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.7	13.1
54	6.5	5.8	8.8
68	3.9	4.2	6.2#

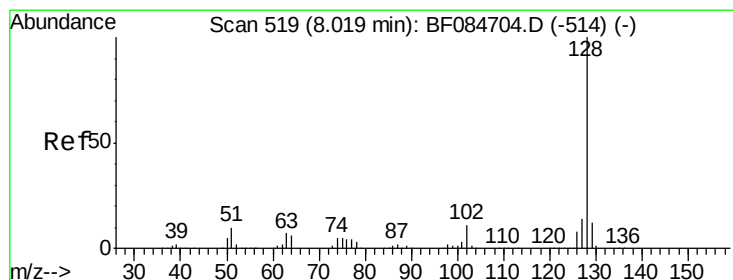
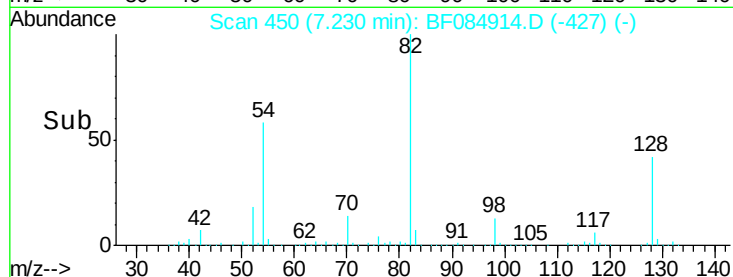
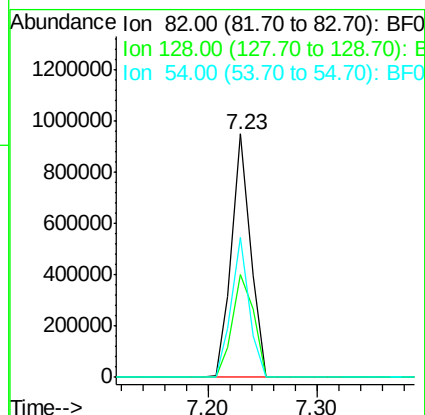
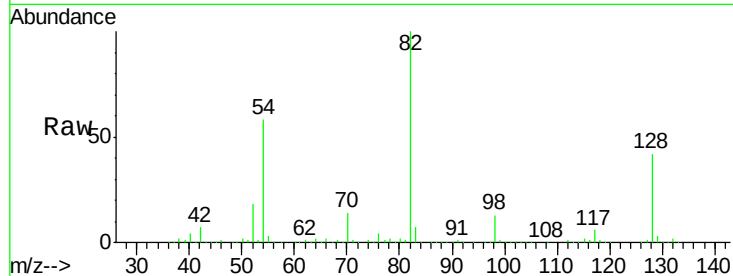




#23
 Nitrobenzene-d5
 Concen: 90.88 ng
 RT: 7.23 min Scan# 450
 Delta R.T. -0.03 min
 Lab File: BF084914.D
 Acq: 6 Feb 2016 16:21

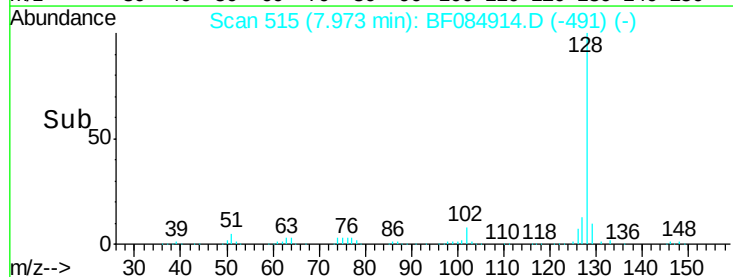
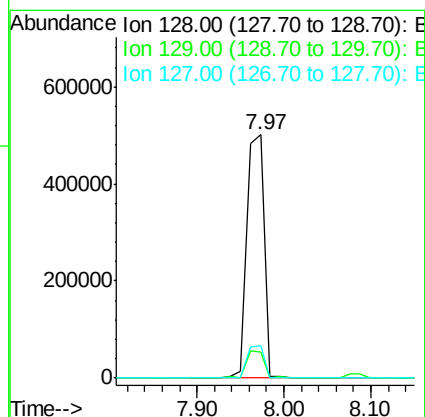
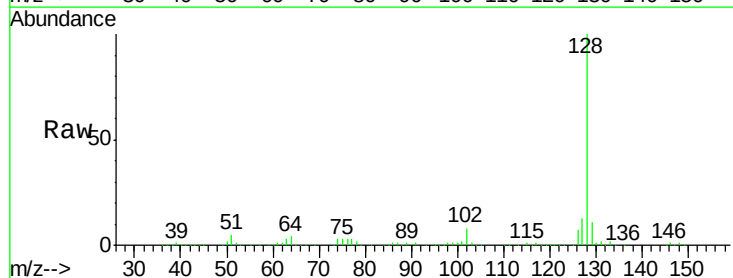
Instrument :
 BNA_F
 ClientSampleId :
 S4-B004(21-23)

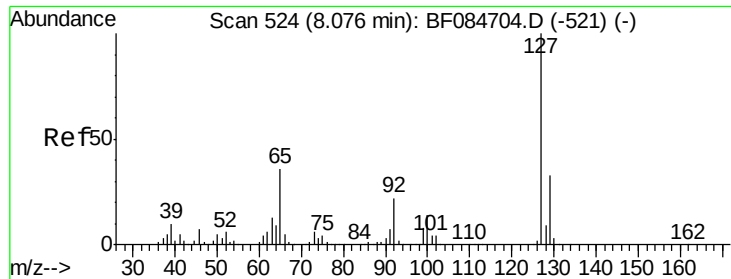
Tgt Ion: 82 Resp: 1145718
 Ion Ratio Lower Upper
 82 100
 128 42.4 34.6 51.8
 54 57.6 38.4 57.6



#31
 Naphthalene
 Concen: 19.57 ng
 RT: 7.97 min Scan# 515
 Delta R.T. -0.02 min
 Lab File: BF084914.D
 Acq: 6 Feb 2016 16:21

Tgt Ion: 128 Resp: 697104
 Ion Ratio Lower Upper
 128 100
 129 10.6 9.1 13.7
 127 13.3 11.1 16.7

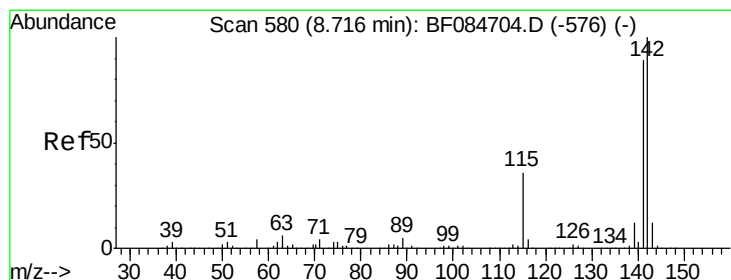
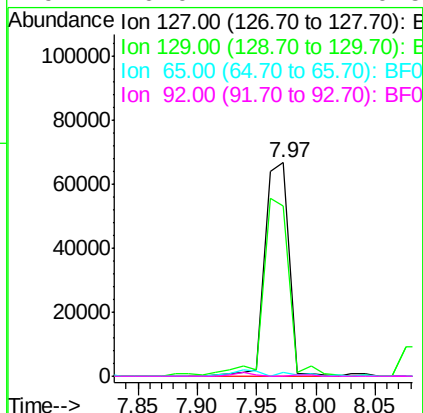
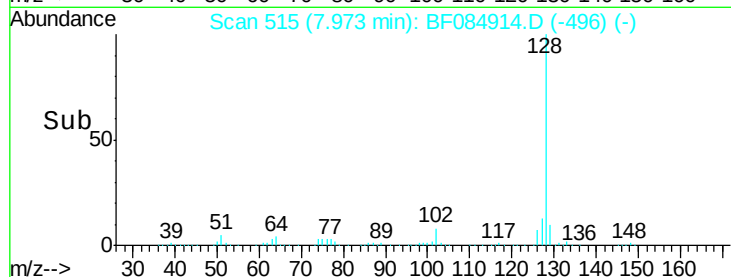
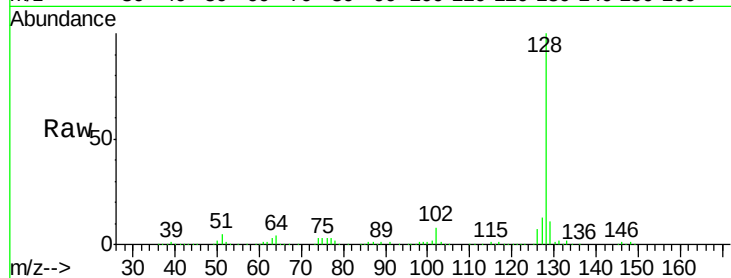




#33
4-Chloroaniline
Concen: 6.36 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.08 min
Lab File: BF084914.D
Acq: 6 Feb 2016 16:21

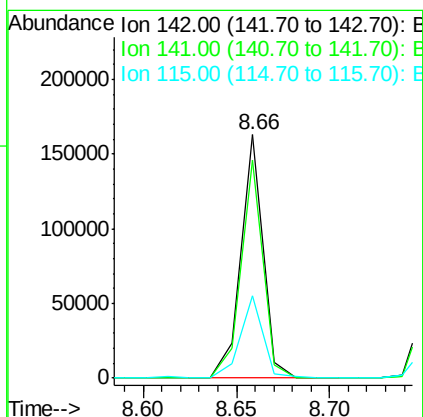
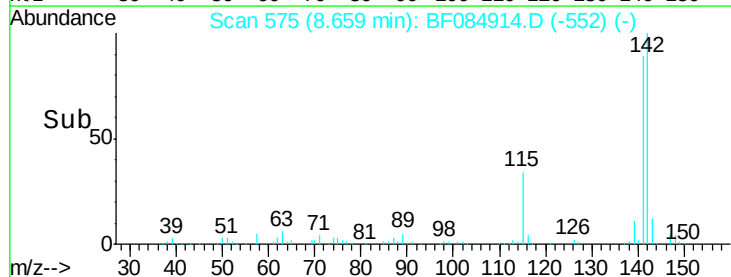
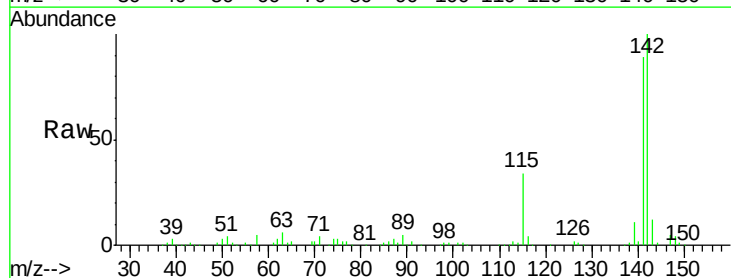
Instrument :
BNA_F
ClientSampleId :
S4-B004(21-23)

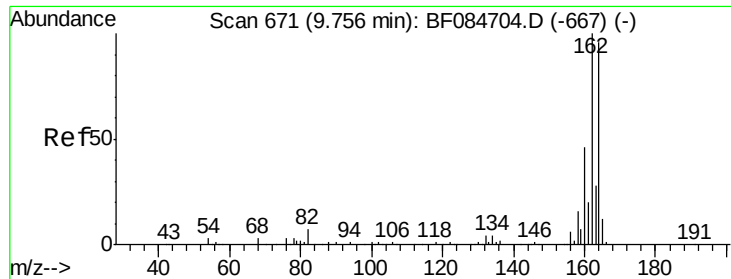
Tgt Ion:	127	Resp:	93741
Ion	Ratio	Lower	Upper
127	100		
129	79.5	26.5	39.7#
65	2.1	27.2	40.8#
92	0.0	17.7	26.5#



#37
2-Methylnaphthalene
Concen: 6.07 ng
RT: 8.66 min Scan# 575
Delta R.T. -0.03 min
Lab File: BF084914.D
Acq: 6 Feb 2016 16:21

Tgt Ion:	142	Resp:	135252
Ion	Ratio	Lower	Upper
142	100		
141	89.4	72.4	108.6
115	34.1	27.9	41.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

Instrument :

BNA_F

ClientSampleId :

S4-B004(21-23)

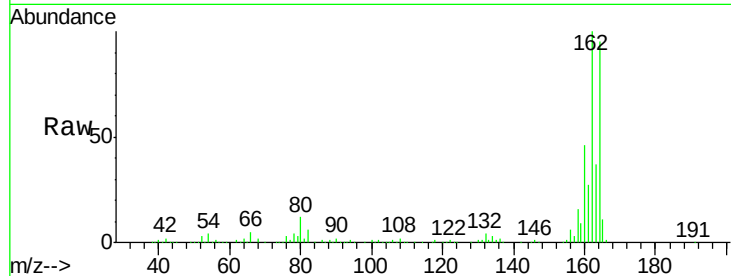
Tgt Ion:164 Resp: 302178

Ion Ratio Lower Upper

164 100

162 105.5 85.1 127.7

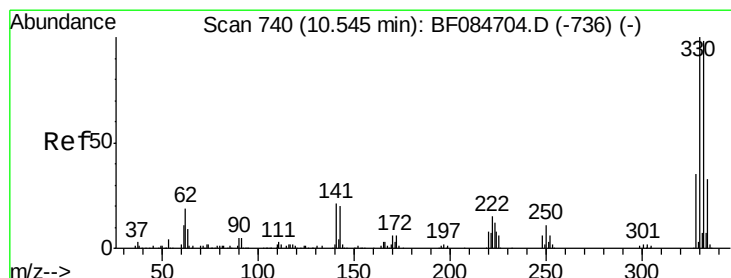
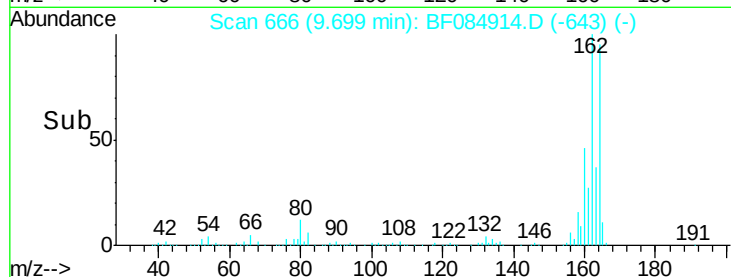
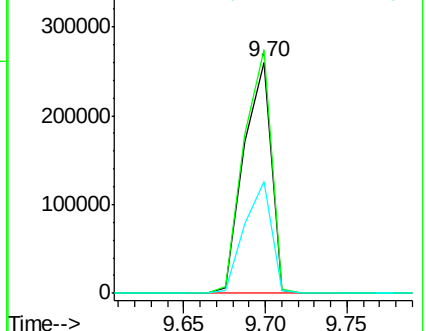
160 48.7 37.5 56.3



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: 145.08 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.03 min

Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

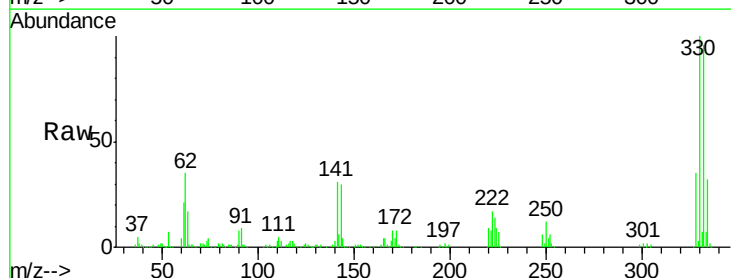
Tgt Ion:330 Resp: 457275

Ion Ratio Lower Upper

330 100

332 95.8 76.6 114.8

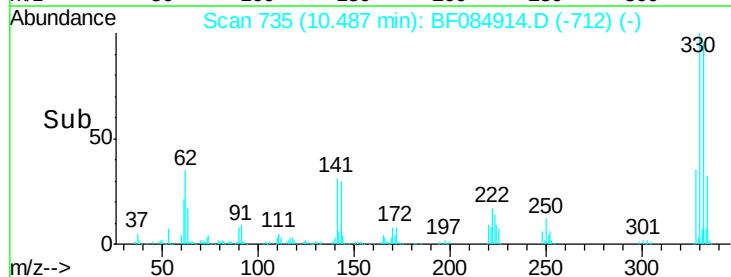
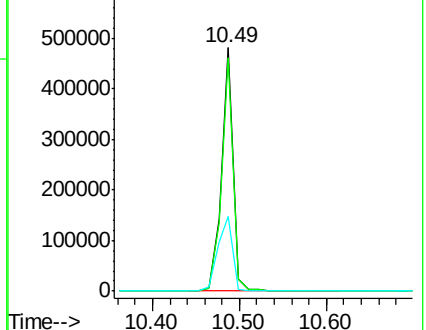
141 38.8 27.8 41.6

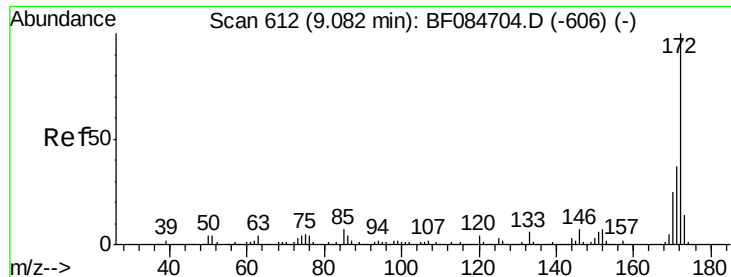


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

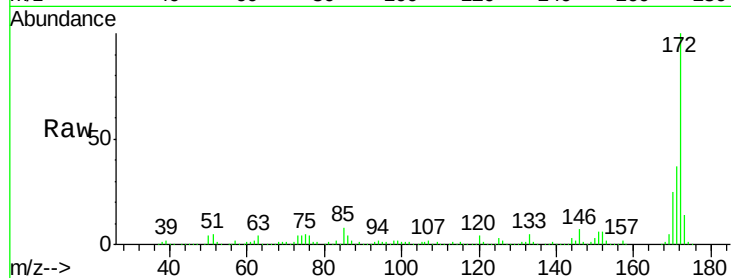




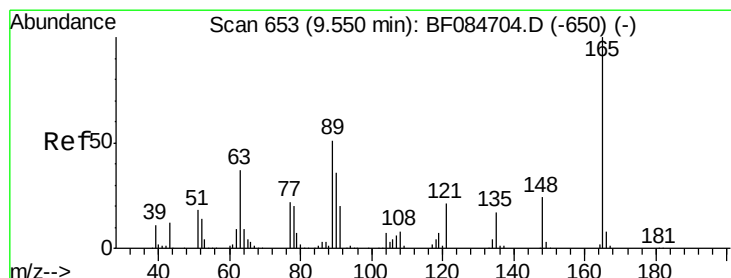
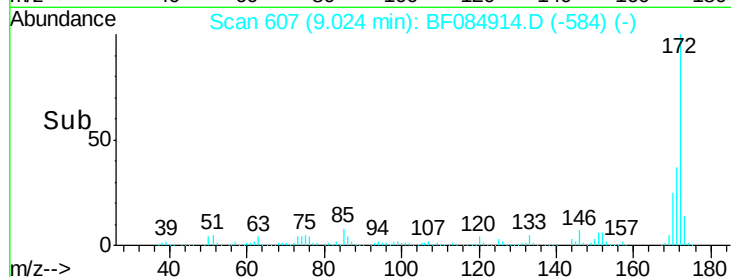
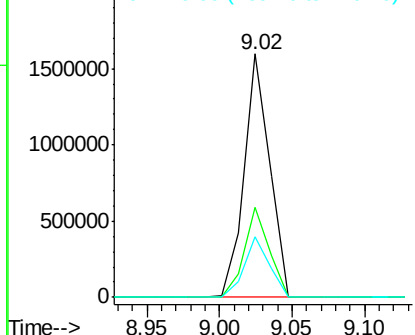
#44
 2-Fluorobiphenyl
 Concen: 134.06 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.03 min
 Lab File: BF084914.D
 Acq: 6 Feb 2016 16:21

Instrument :
 BNA_F
 ClientSampleId :
 S4-B004(21-23)

Tgt Ion:172 Resp: 1944369
 Ion Ratio Lower Upper
 172 100
 171 36.9 28.9 43.3
 170 24.9 18.6 27.8

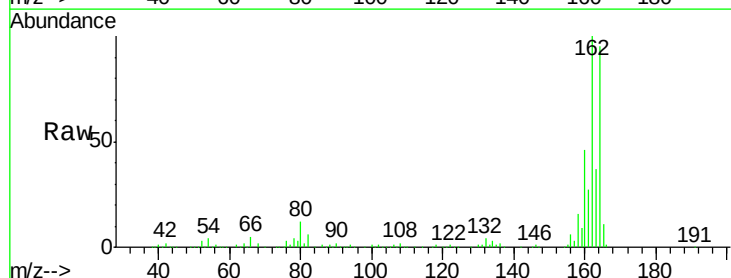


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

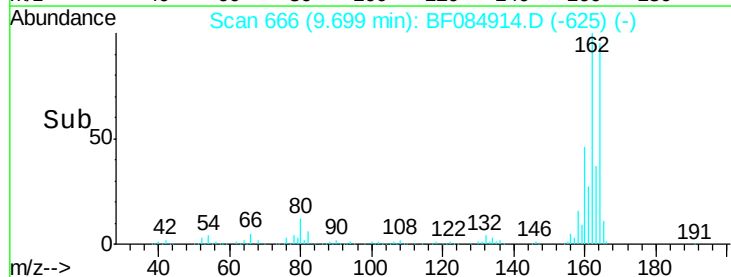
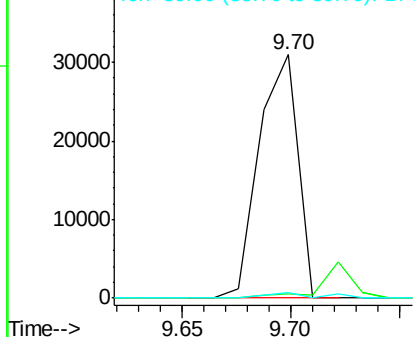


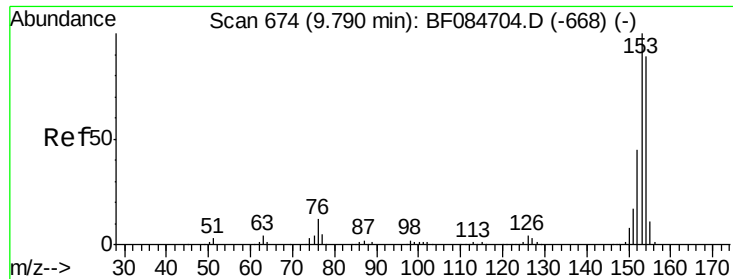
#50
 2,6-Dinitrotoluene
 Concen: 7.67 ng
 RT: 9.70 min Scan# 666
 Delta R.T. 0.17 min
 Lab File: BF084914.D
 Acq: 6 Feb 2016 16:21

Tgt Ion:165 Resp: 38543
 Ion Ratio Lower Upper
 165 100
 63 1.7 28.8 43.2#
 89 2.0 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: 2.23 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.05 min

Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

Instrument :

BNA_F

ClientSampleId :

S4-B004(21-23)

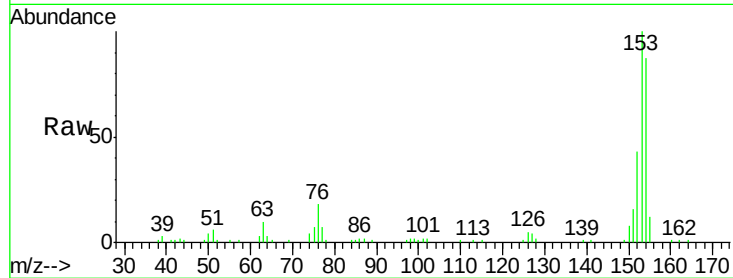
Tgt Ion:154 Resp: 43820

Ion Ratio Lower Upper

154 100

153 115.2 91.5 137.3

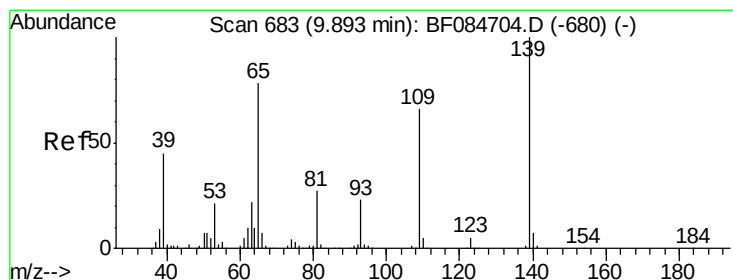
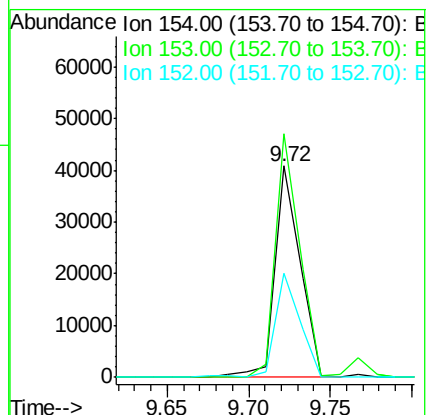
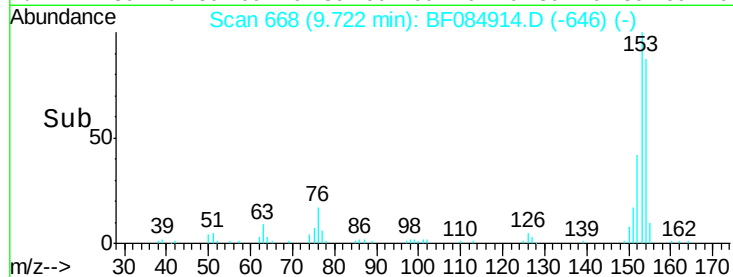
152 49.2 43.0 64.6



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: 3.90 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.02 min

Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

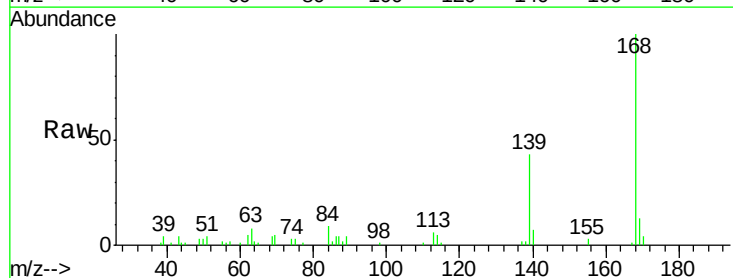
Tgt Ion:139 Resp: 16181

Ion Ratio Lower Upper

139 100

109 0.0 58.5 98.5#

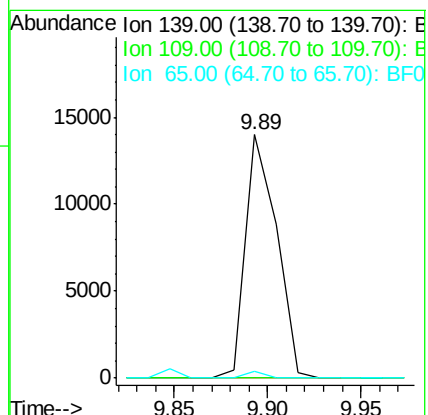
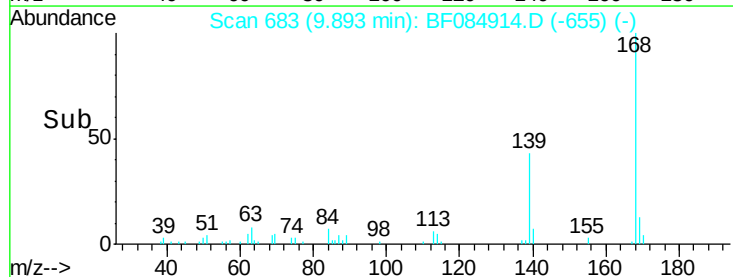
65 3.0 57.6 97.6#

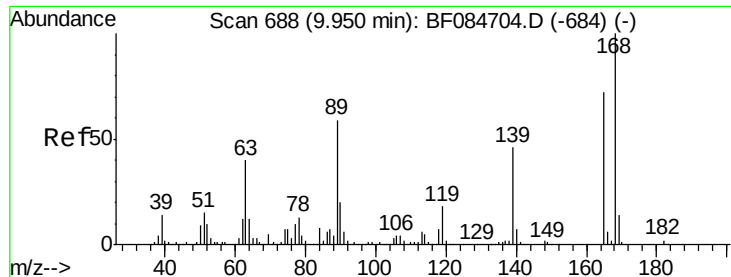


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

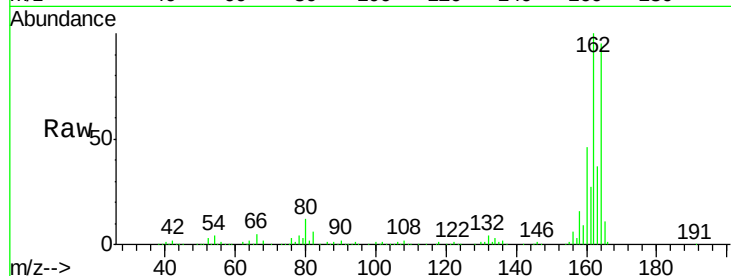




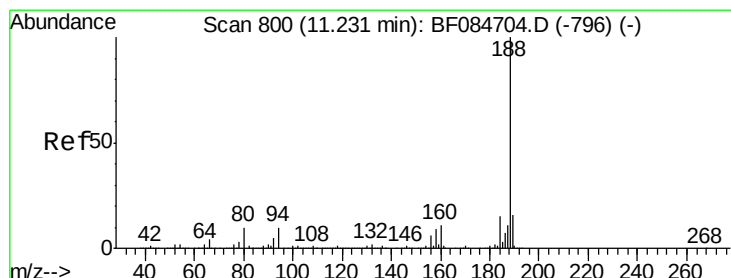
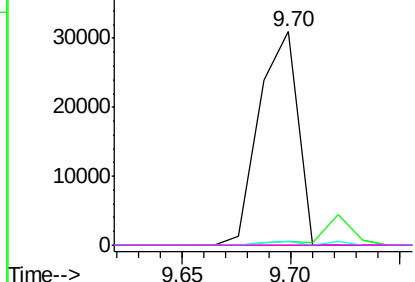
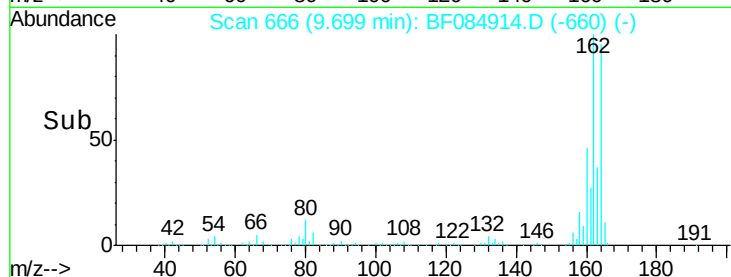
#56
2,4-Dinitrotoluene
Concen: 6.01 ng
RT: 9.70 min Scan# 666
Delta R.T. -0.23 min
Lab File: BF084914.D
Acq: 6 Feb 2016 16:21

Instrument :
BNA_F
ClientSampleId :
S4-B004(21-23)

Tgt Ion:165 Resp: 38543
Ion Ratio Lower Upper
165 100
63 1.7 36.7 55.1#
89 2.0 61.9 92.9#
182 0.0 2.0 3.0#

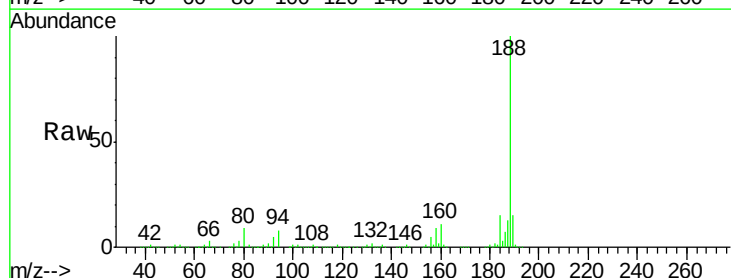


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

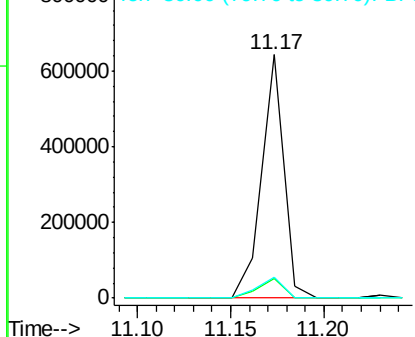
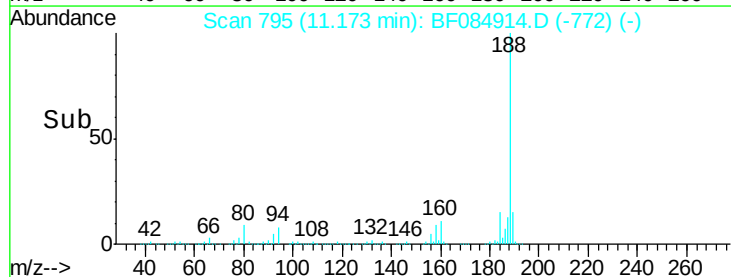


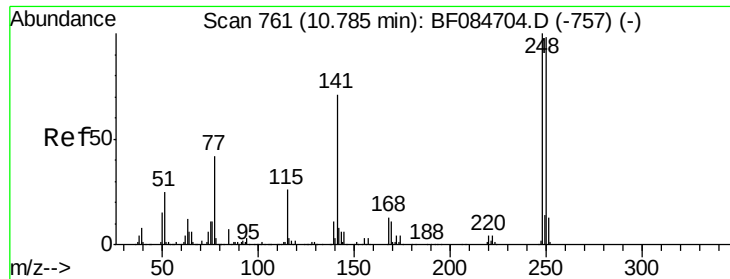
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF084914.D
Acq: 6 Feb 2016 16:21

Tgt Ion:188 Resp: 537244
Ion Ratio Lower Upper
188 100
94 8.2 9.0 13.4#
80 8.6 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

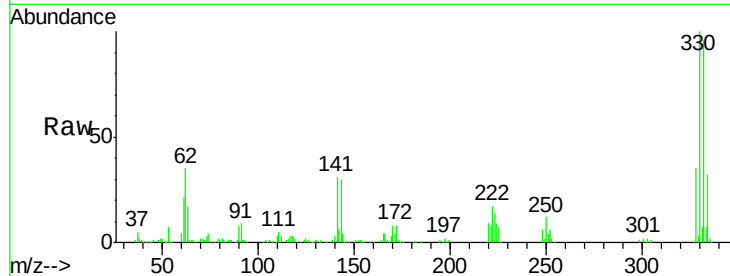




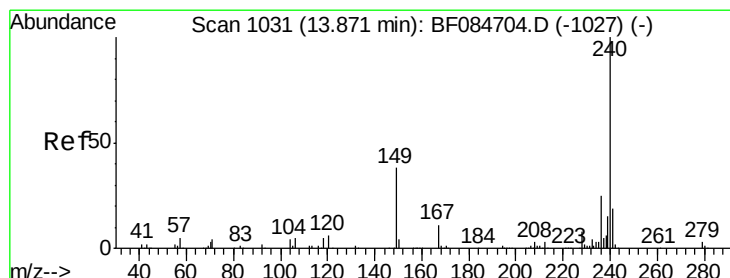
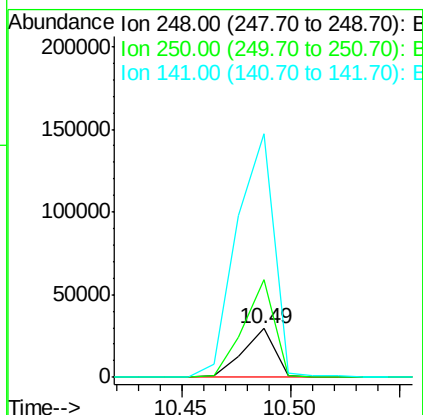
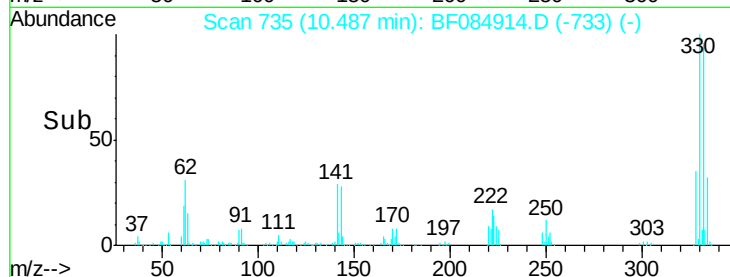
#66
4-Bromophenyl-phenylether
Concen: 5.10 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.27 min
Lab File: BF084914.D
Acq: 6 Feb 2016 16:21

Instrument :
BNA_F
ClientSampleId :
S4-B004(21-23)

Tgt Ion:248 Resp: 30239
Ion Ratio Lower Upper
248 100
250 200.6 78.4 117.6#
141 496.7 44.0 66.0#

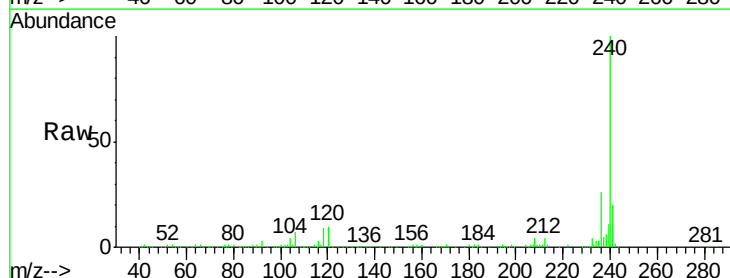


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

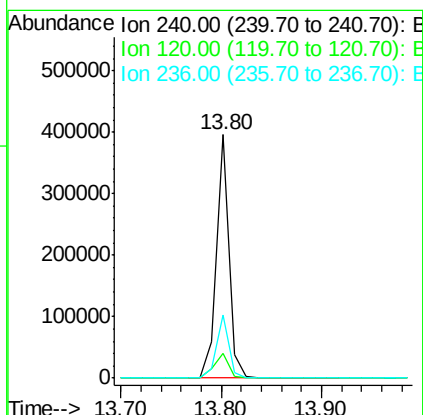
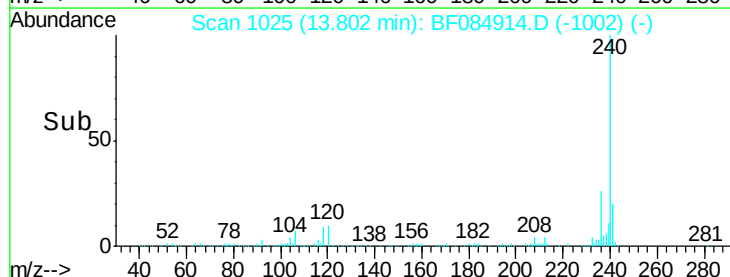


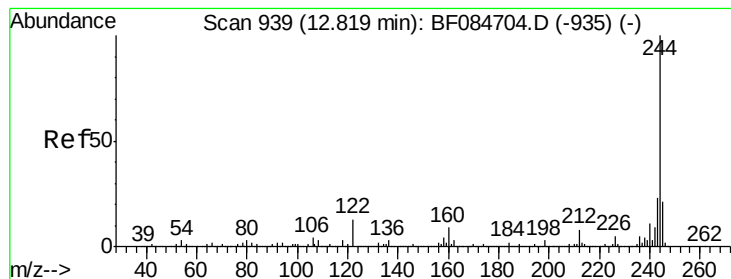
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.80 min Scan# 1025
Delta R.T. -0.03 min
Lab File: BF084914.D
Acq: 6 Feb 2016 16:21

Tgt Ion:240 Resp: 344450
Ion Ratio Lower Upper
240 100
120 10.1 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: 93.24 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

Instrument :

BNA_F

ClientSampleId :

S4-B004(21-23)

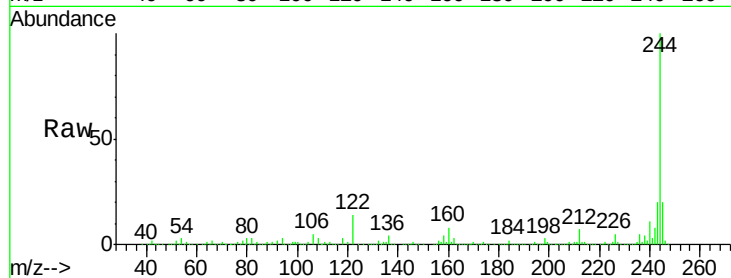
Tgt Ion:244 Resp: 1417309

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

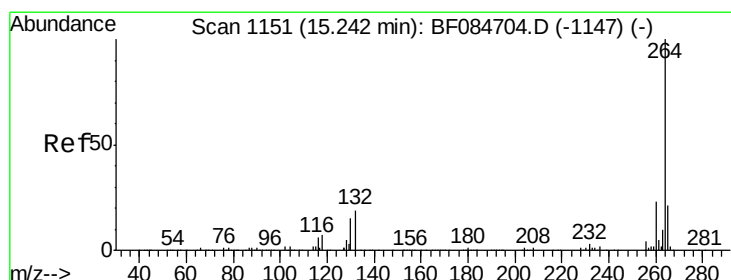
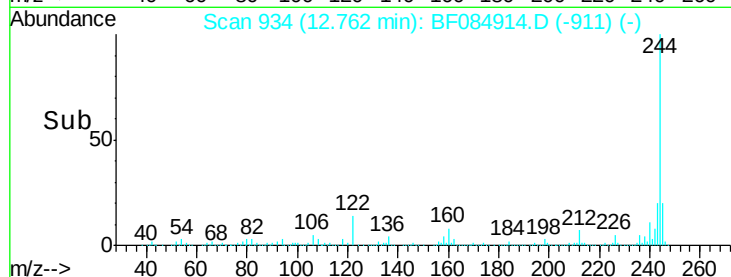
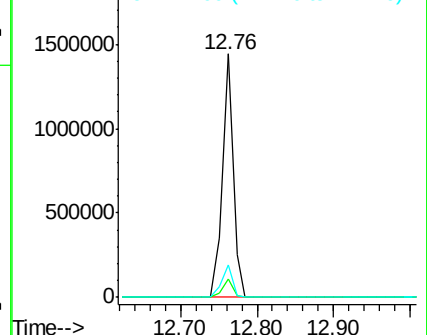
122 13.5 7.4 11.0#



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: 15.17 min Scan# 1145

Delta R.T. -0.03 min

Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

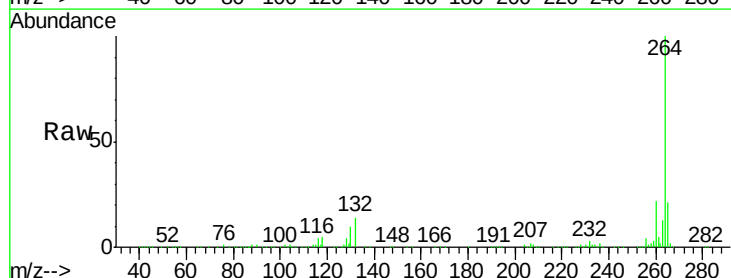
Tgt Ion:264 Resp: 329288

Ion Ratio Lower Upper

264 100

260 22.5 19.4 29.2

265 21.3 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

