

Data Path : Z:\HPCHEM1\BNA F\Data\BF020216\
 Data File : BF084781.D
 Acq On : 3 Feb 2016 8:58
 Operator : SJ/IZ
 Sample : H1313-07
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-26-012916

Quant Time: Feb 03 09:50:39 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

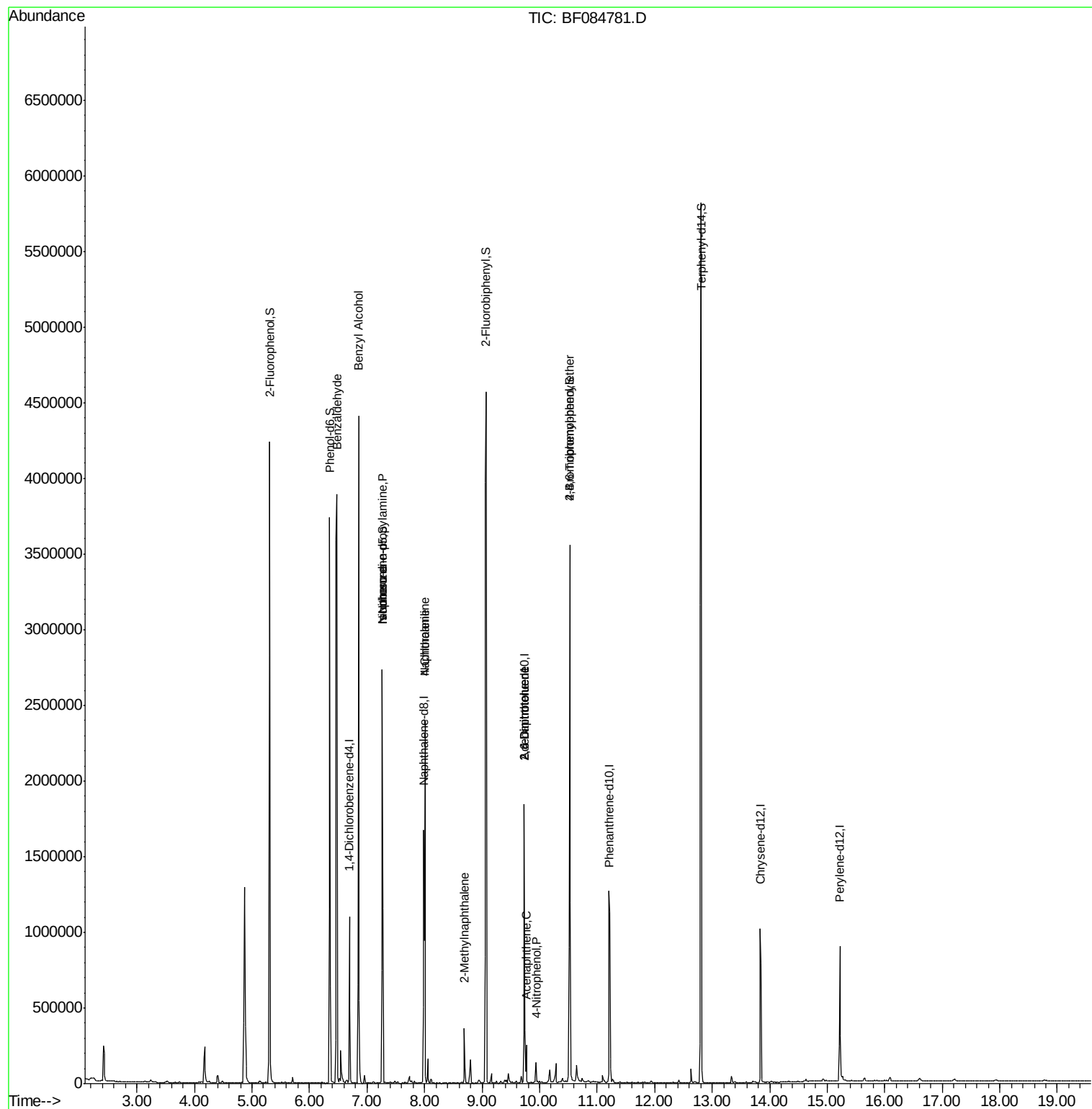
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	175531	20.00	ng	-0.03
21) Naphthalene-d8	7.98	136	767382	20.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	364427	20.00	ng	-0.03
63) Phenanthrene-d10	11.22	188	679614	20.00	ng	-0.02
75) Chrysene-d12	13.84	240	479540	20.00	ng	-0.03
86) Perylene-d12	15.22	264	389895	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1434422	127.29	ng	0.00
7) Phenol-d6	6.35	99	1344691	96.25	ng	-0.02
23) Nitrobenzene-d5	7.26	82	1073459	78.80	ng	-0.03
41) 2,4,6-Tribromophenol	10.52	330	512964	134.95	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	2175369	112.90	ng	-0.02
78) Terphenyl-d14	12.81	244	2052575	96.99	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.48	77	35147	4.26	ng	90
15) Benzyl Alcohol	6.85	79	19295	2.00	ng	# 47
19) n-Nitroso-di-n-propylamine	7.26	70	145889	16.66	ng	# 72
25) Isophorone	7.26	82	896493	33.84	ng	# 66
31) Naphthalene	8.01	128	1109678	28.83	ng	100
33) 4-Chloroaniline	8.01	127	150959	9.48	ng	# 33
37) 2-Methylnaphthalene	8.69	142	106352	4.41	ng	96
50) 2,6-Dinitrotoluene	9.73	165	47466	7.83	ng	# 38
51) Acenaphthene	9.77	154	58047	2.45	ng	97
55) 4-Nitrophenol	9.94	139	17561	3.51	ng	# 12
56) 2,4-Dinitrotoluene	9.73	165	47466	6.14	ng	# 22
66) 4-Bromophenyl-phenylether	10.52	248	28988	3.86	ng	# 1

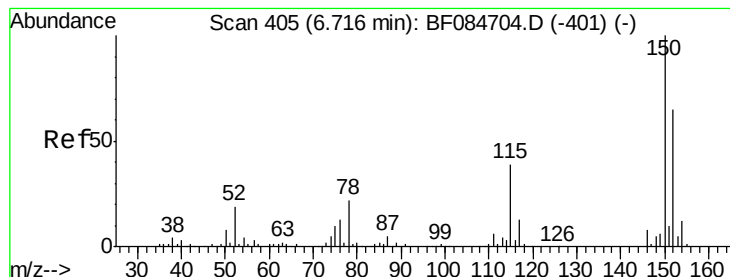
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.03 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

Instrument :

BNA_F

ClientSampleId :

HSR-WC-26-012916

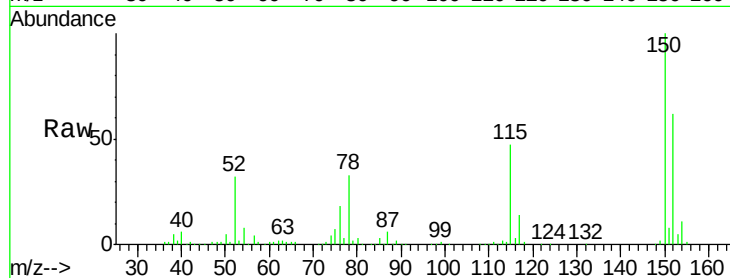
Tot Ion:152 Resp: 175531

Ion Ratio Lower Upper

152 100

150 160.1 123.0 184.4

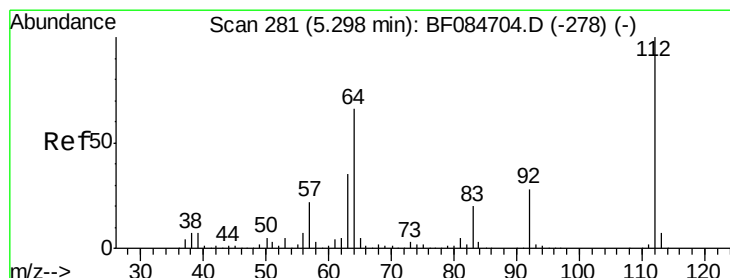
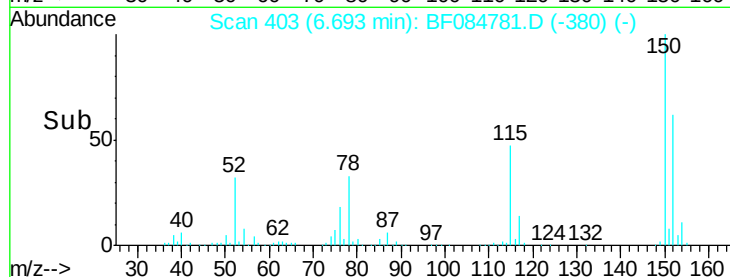
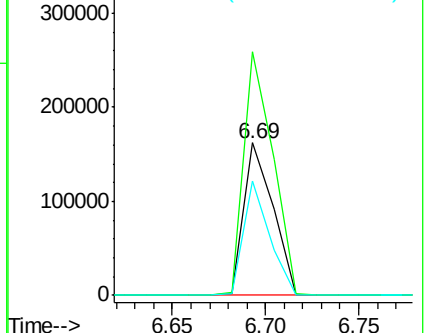
115 75.0 51.4 77.2



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: 127.29 ng

RT: 5.31 min Scan# 282

Delta R.T. 0.00 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

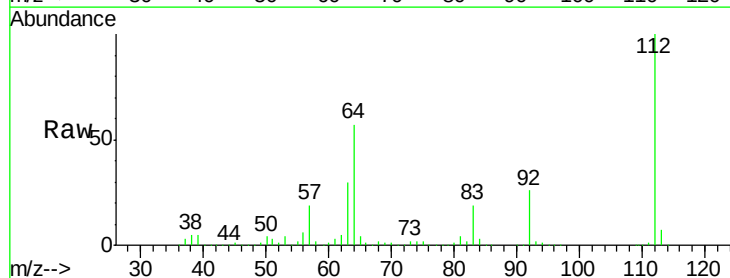
Tgt Ion:112 Resp: 1434422

Ion Ratio Lower Upper

112 100

64 56.9 36.6 55.0#

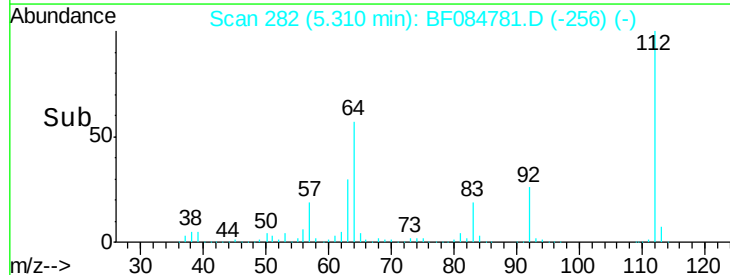
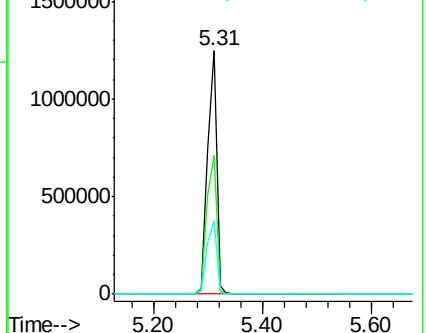
63 30.3 19.4 29.0#

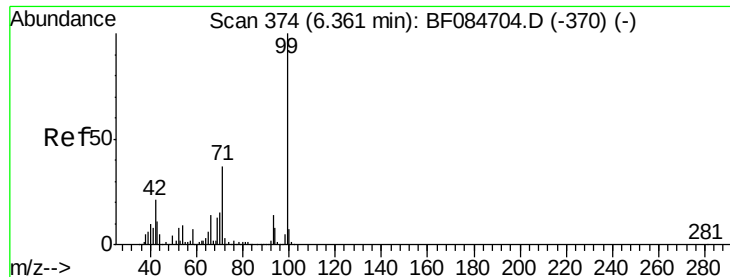


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.25 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

Instrument :

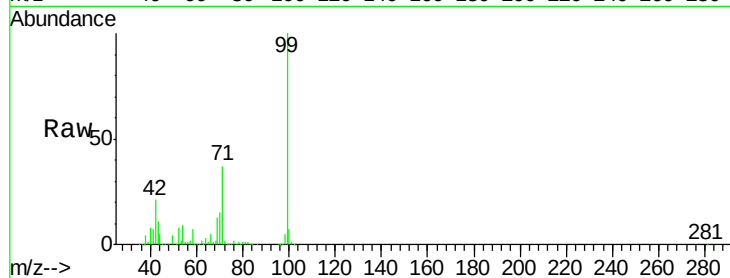
BNA_F

ClientSampleId :

HSR-WC-26-012916

Tot Ion: 99 Resp: 1344691

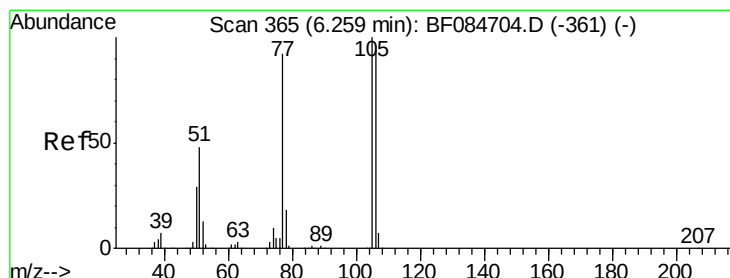
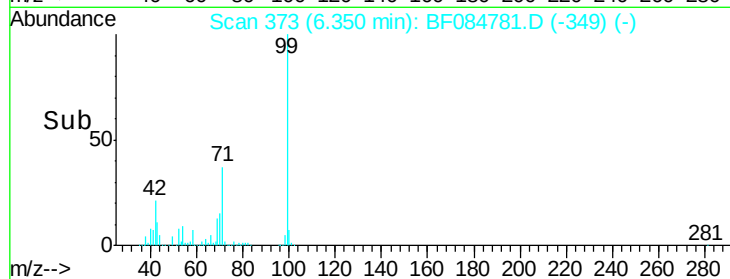
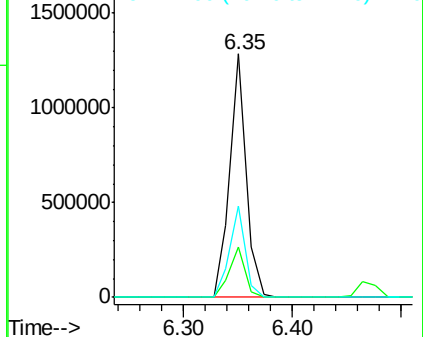
Ion	Ratio	Lower	Upper
99	100		
42	20.7	12.8	19.2#
71	37.4	30.9	46.3



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



#9

Benzaldehyde

Concen: 4.26 ng

RT: 6.48 min Scan# 384

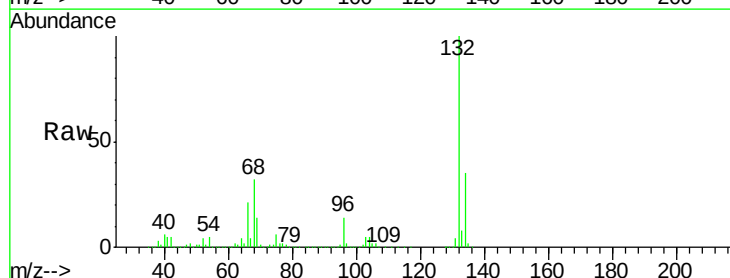
Delta R.T. 0.21 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

Tgt Ion: 77 Resp: 35147

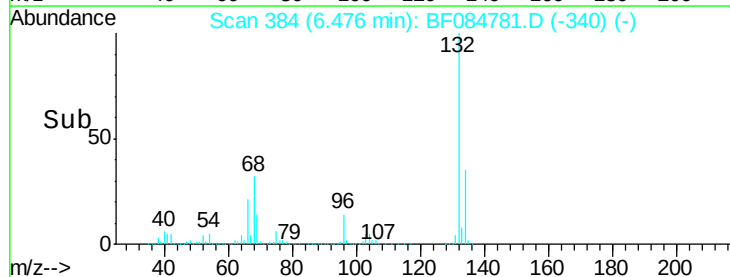
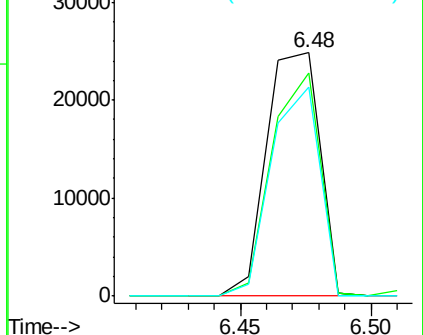
Ion	Ratio	Lower	Upper
77	100		
105	91.7	83.0	123.0
106	85.7	74.6	114.6

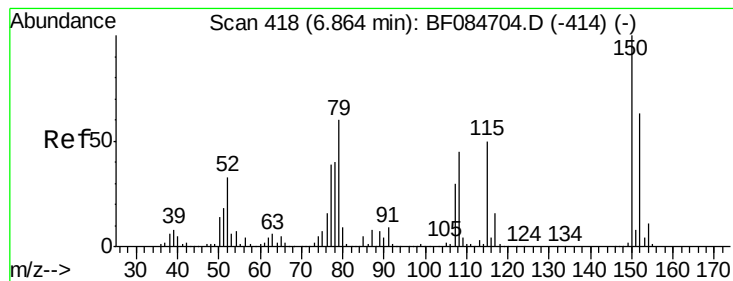


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.02 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

Instrument :

BNA_F

ClientSampleId :

HSR-WC-26-012916

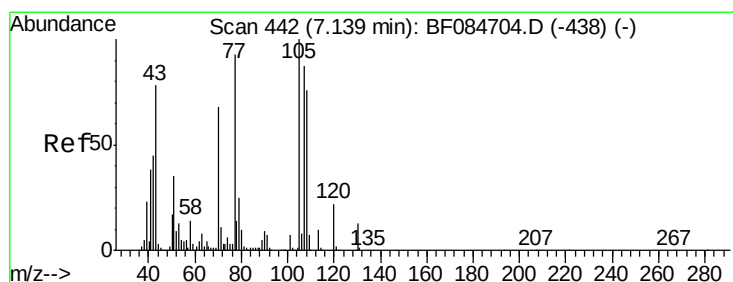
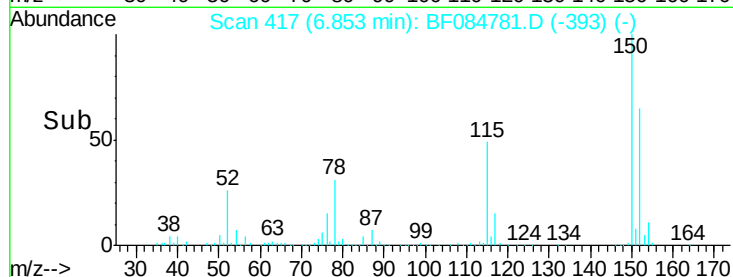
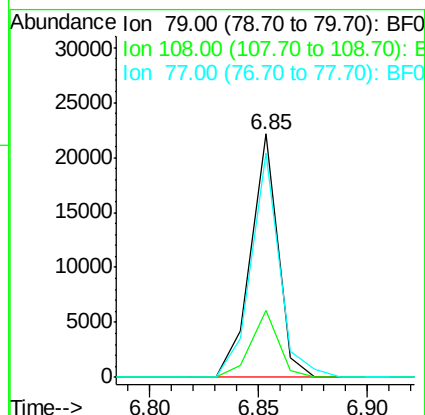
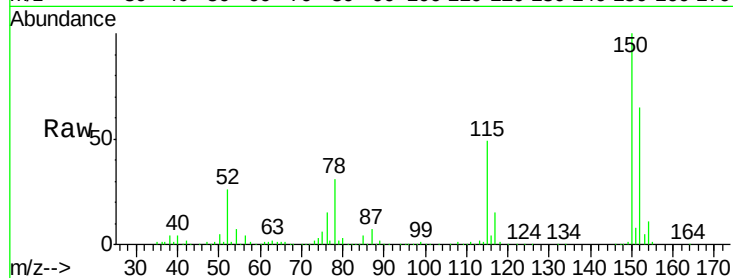
Tot Ion: 79 Resp: 19295

Ion Ratio Lower Upper

79 100

108 27.5 69.0 103.4#

77 92.3 50.0 75.0#



#19

n-Nitroso-di-n-propylamine

Concen: 16.66 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.11 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

Tgt Ion: 70 Resp: 145889

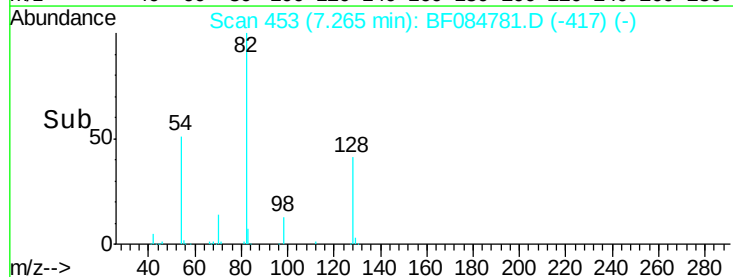
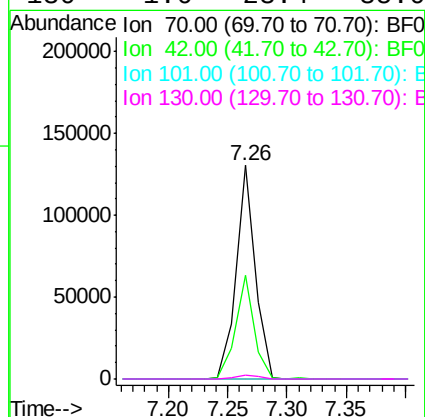
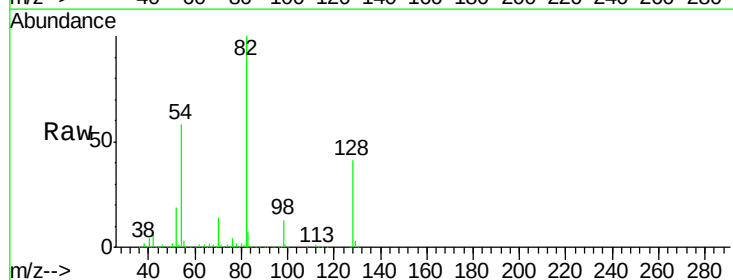
Ion Ratio Lower Upper

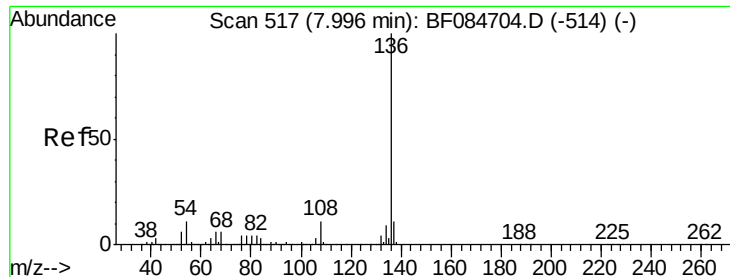
70 100

42 48.6 33.3 49.9

101 0.0 9.3 13.9#

130 1.6 23.4 35.0#

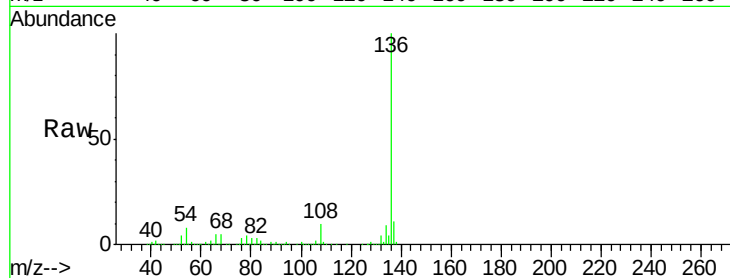




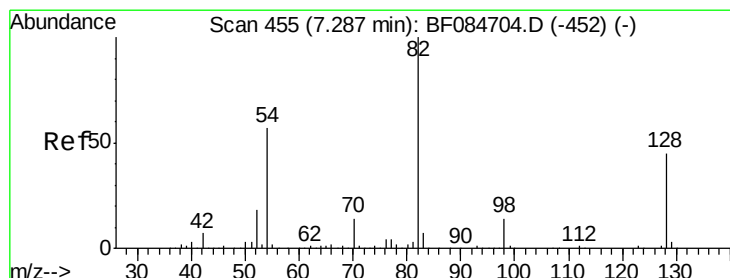
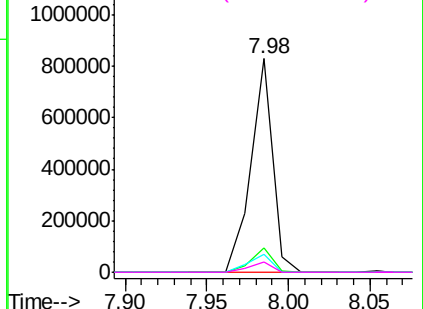
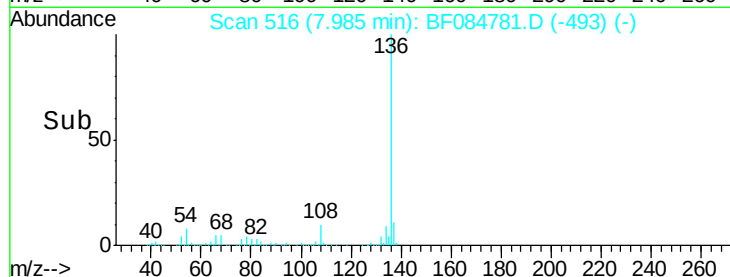
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.03 min
Lab File: BF084781.D
Acq: 3 Feb 2016 8:58

Instrument :
BNA_F
ClientSampleId :
HSR-WC-26-012916

Tot Ion:136	Resp: 767382
Ion Ratio	Lower Upper
136 100	
137 11.2	8.7 13.1
54 8.4	5.8 8.8
68 4.7	4.2 6.2

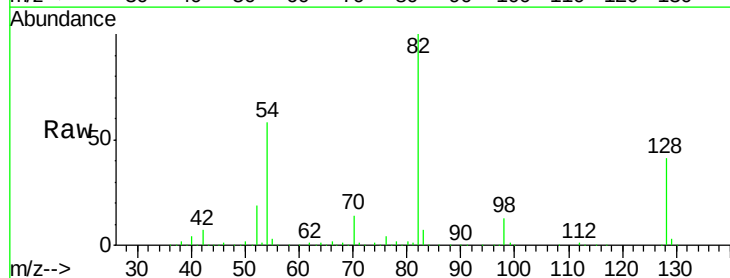


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

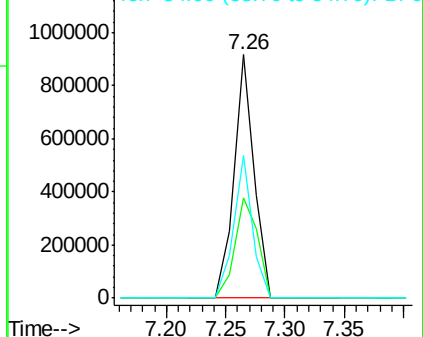
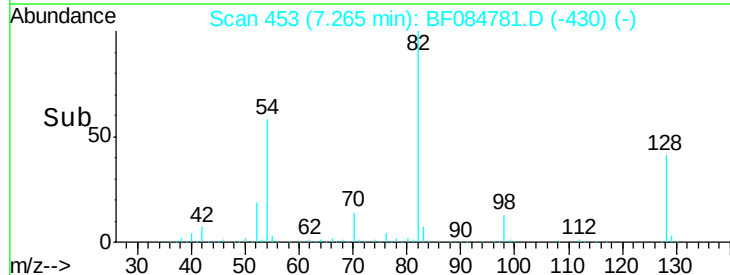


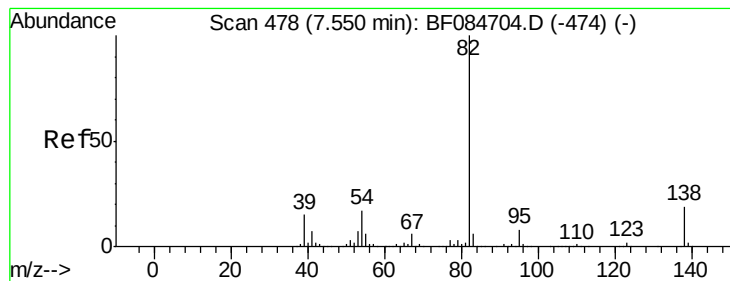
#23
Nitrobenzene-d5
Concen: 78.80 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.03 min
Lab File: BF084781.D
Acq: 3 Feb 2016 8:58

Tgt Ion: 82	Resp: 1073459
Ion Ratio	Lower Upper
82 100	
128 41.4	34.6 51.8
54 58.5	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





#25

Isophorone

Concen: 33.84 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.30 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

Instrument :

BNA_F

ClientSampleId :

HSR-WC-26-012916

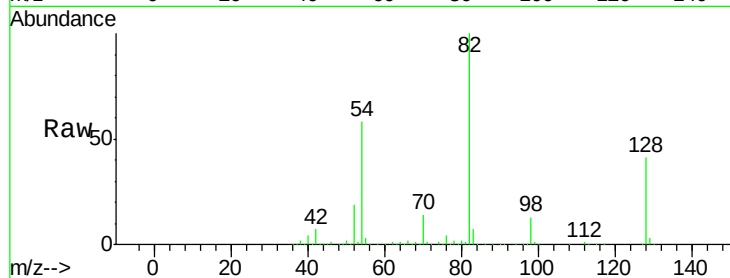
Tot Ion: 82 Resp: 896493

Ion Ratio Lower Upper

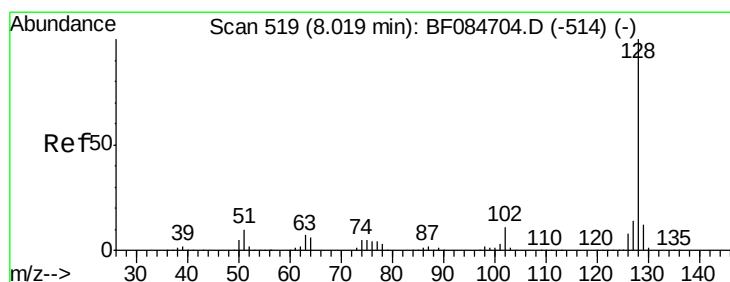
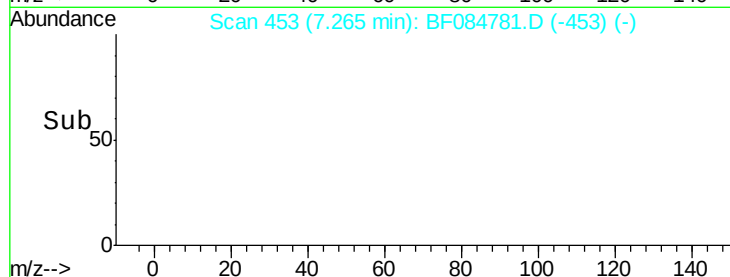
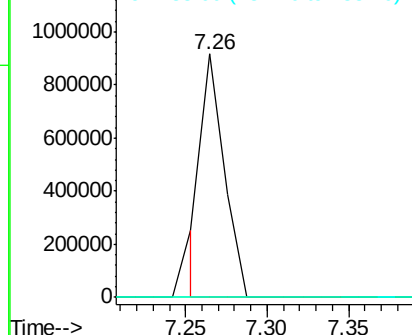
82 100

95 0.0 6.6 10.0#

138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 28.83 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

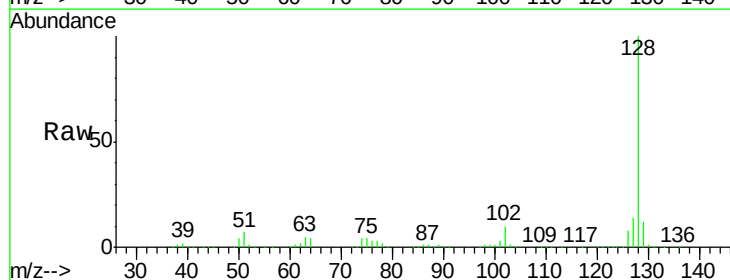
Tgt Ion: 128 Resp: 1109678

Ion Ratio Lower Upper

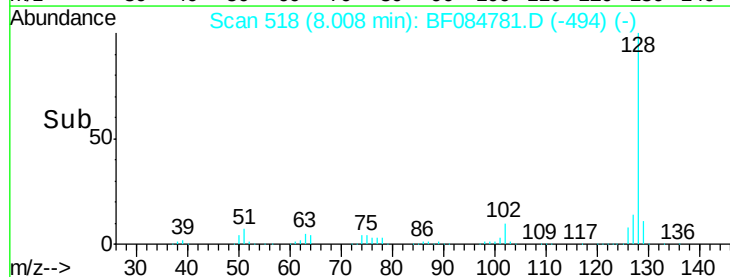
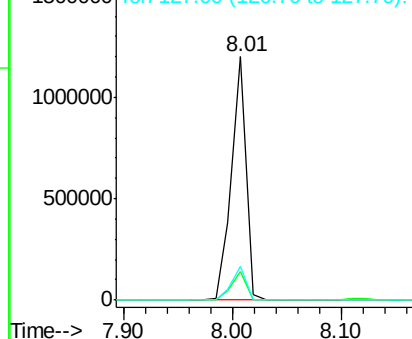
128 100

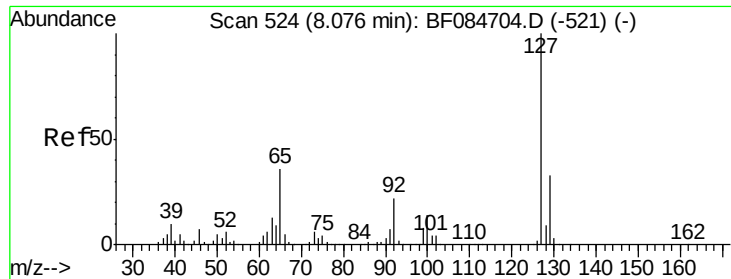
129 11.6 9.1 13.7

127 13.9 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

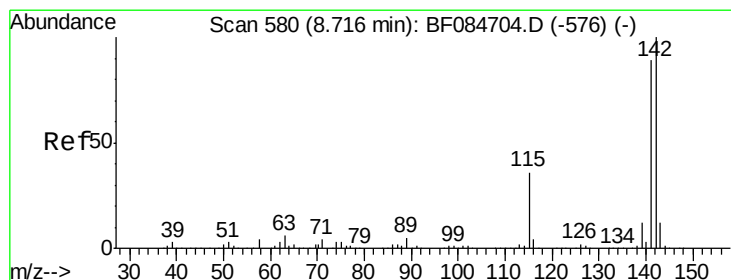
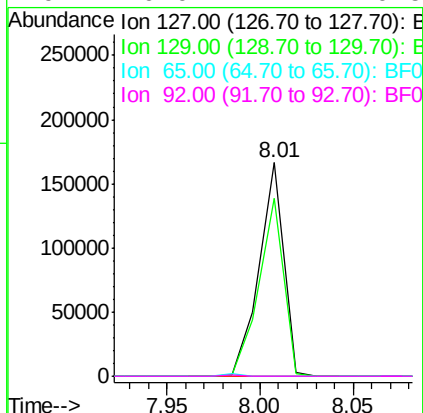
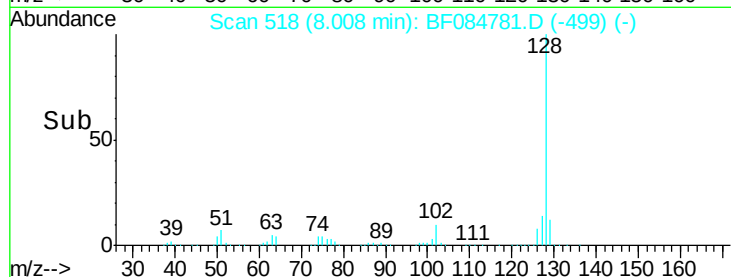
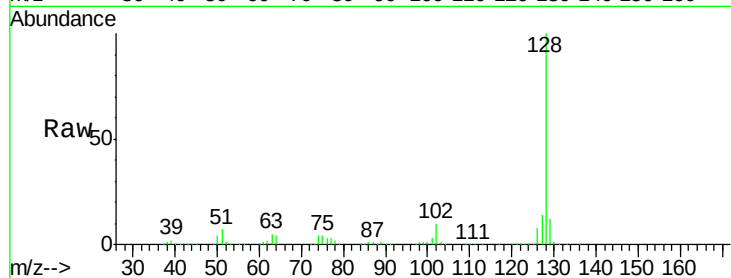




#33
4-Chloroaniline
Concen: 9.48 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.08 min
Lab File: BF084781.D
Acq: 3 Feb 2016 8:58

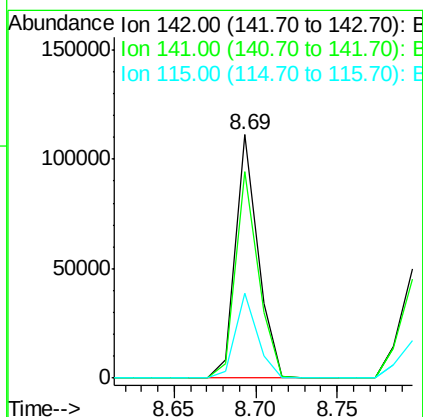
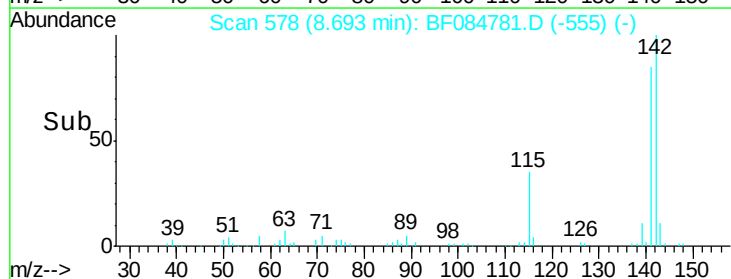
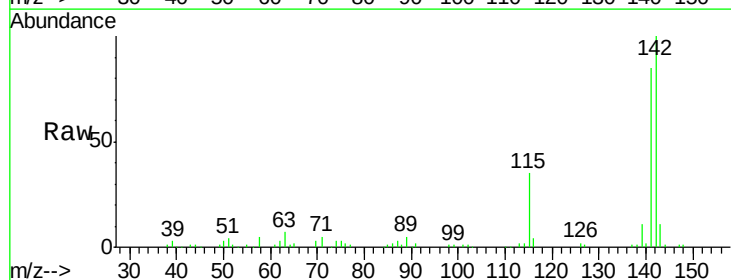
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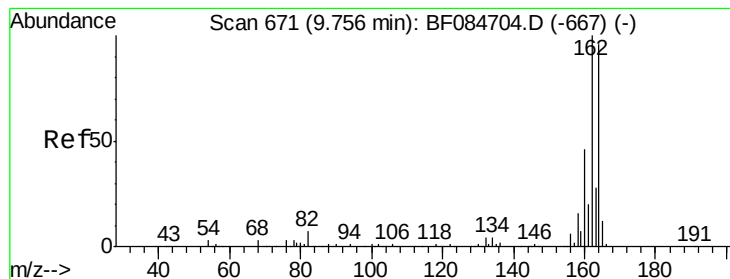
Tot Ion:127	Resp:	150959
Ion Ratio	Lower	Upper
127	100	
129	83.5	26.5 39.7#
65	0.0	27.2 40.8#
92	0.0	17.7 26.5#



#37
2-Methylnaphthalene
Concen: 4.41 ng
RT: 8.69 min Scan# 578
Delta R.T. -0.03 min
Lab File: BF084781.D
Acq: 3 Feb 2016 8:58

Tgt Ion:142	Resp:	106352
Ion Ratio	Lower	Upper
142	100	
141	84.9	72.4 108.6
115	34.7	27.9 41.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

Instrument :

BNA_F

ClientSampleId :

HSR-WC-26-012916

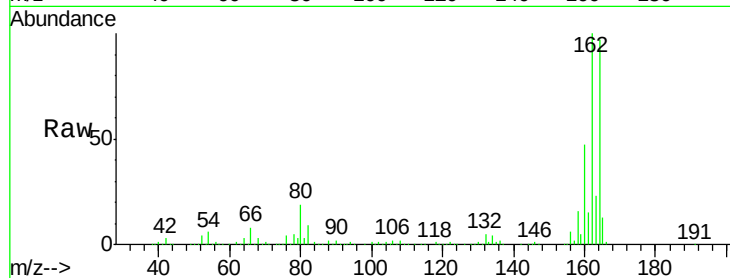
Tot Ion:164 Resp: 364427

Ion Ratio Lower Upper

164 100

162 102.6 85.1 127.7

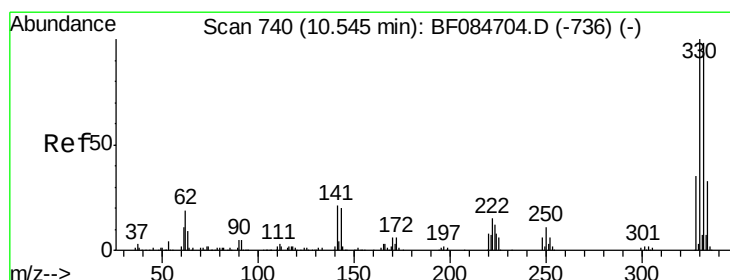
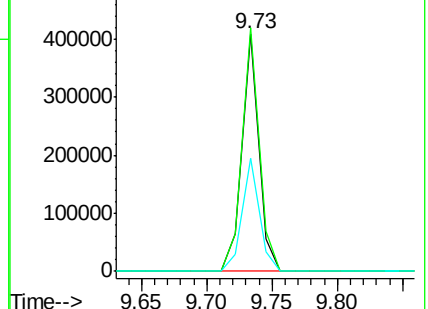
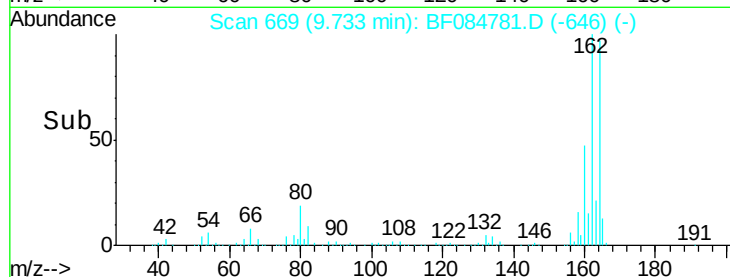
160 47.8 37.5 56.3



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: 134.95 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.03 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

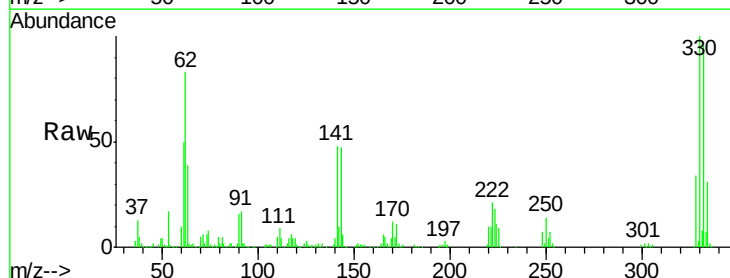
Tgt Ion:330 Resp: 512964

Ion Ratio Lower Upper

330 100

332 95.5 76.6 114.8

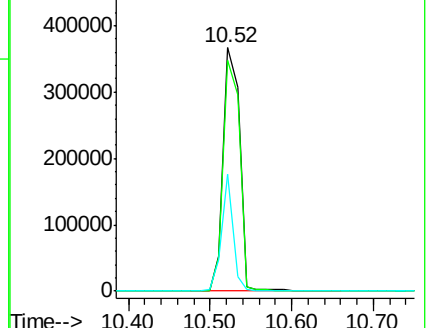
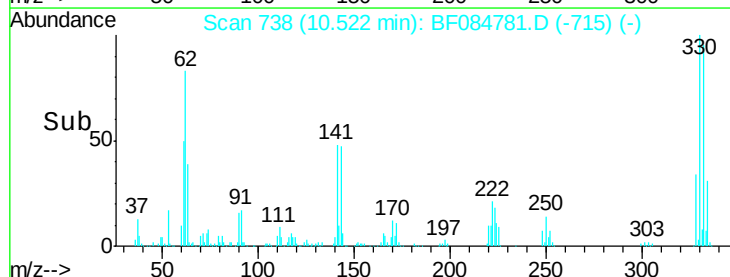
141 33.7 27.8 41.6

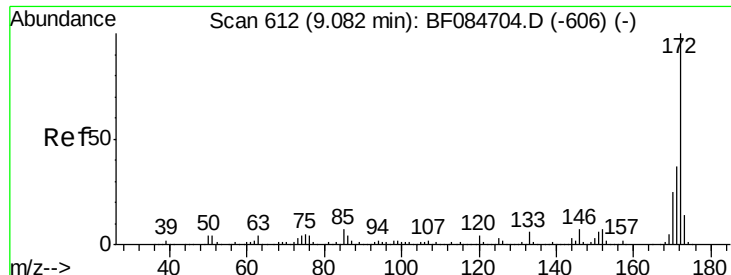


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



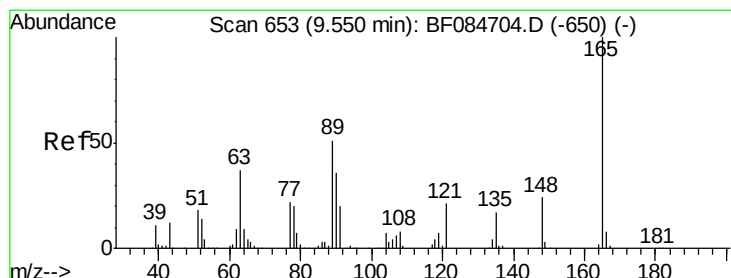
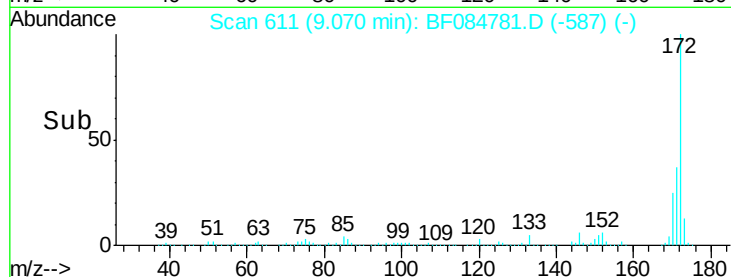
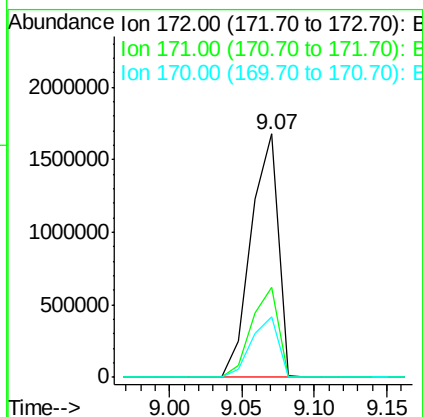
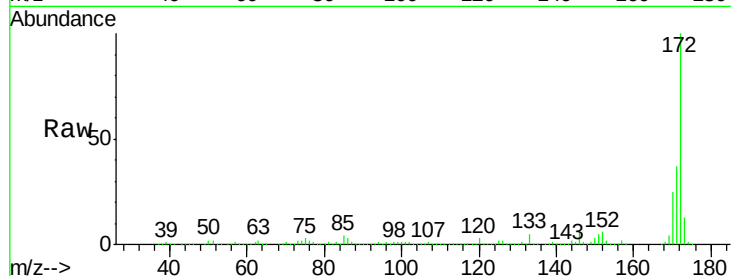


#44
 2-Fluorobiphenyl
 Concen: 112.90 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF084781.D
 Acq: 3 Feb 2016 8:58

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-26-012916

Tot Ion:172 Resp: 2175369

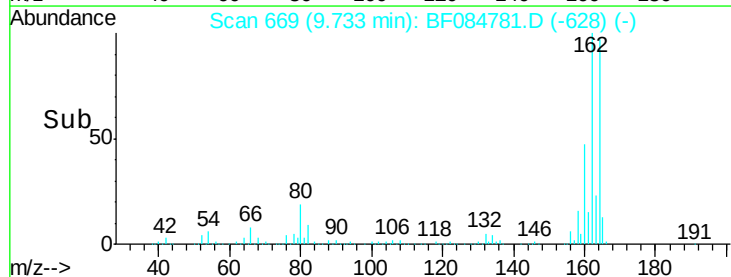
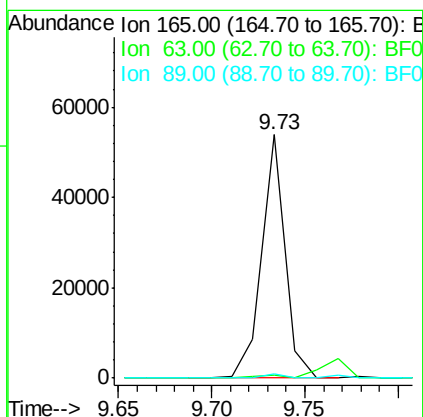
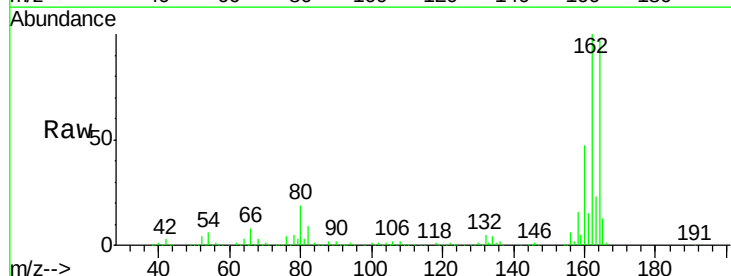
Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.9	43.3
170	24.9	18.6	27.8

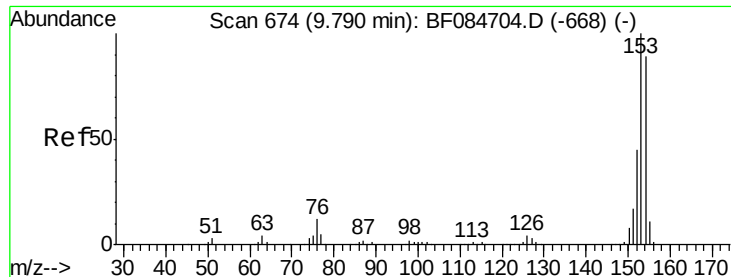


#50
 2,6-Dinitrotoluene
 Concen: 7.83 ng
 RT: 9.73 min Scan# 669
 Delta R.T. 0.17 min
 Lab File: BF084781.D
 Acq: 3 Feb 2016 8:58

Tgt Ion:165 Resp: 47466

Ion	Ratio	Lower	Upper
165	100		
63	1.4	28.8	43.2#
89	1.7	35.1	52.7#





#51

Acenaphthene

Concen: 2.45 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.03 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

Instrument :

BNA_F

ClientSampleId :

HSR-WC-26-012916

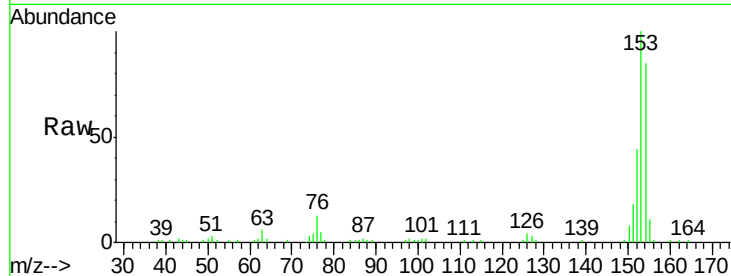
Tot Ion:154 Resp: 58047

Ion Ratio Lower Upper

154 100

153 117.7 91.5 137.3

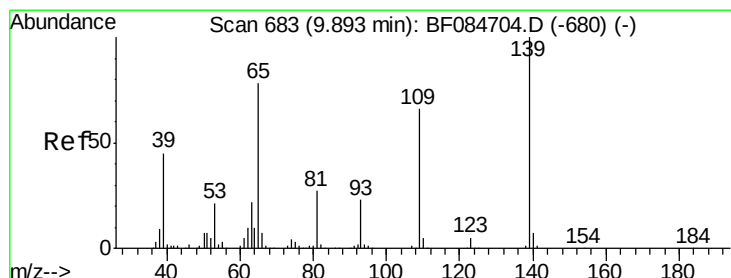
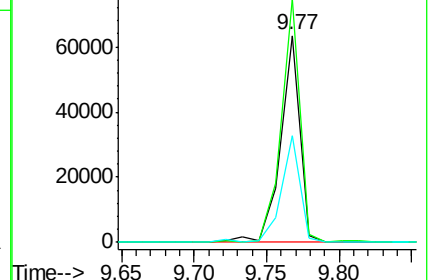
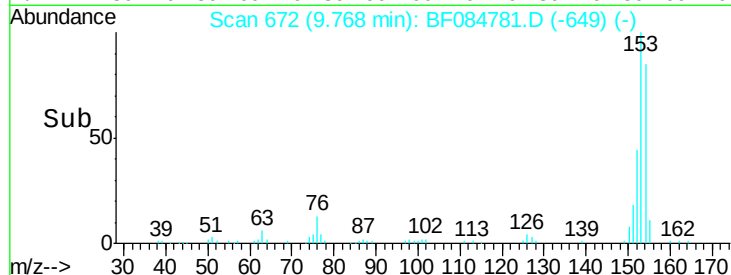
152 51.5 43.0 64.6



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: 3.51 ng

RT: 9.94 min Scan# 687

Delta R.T. 0.05 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

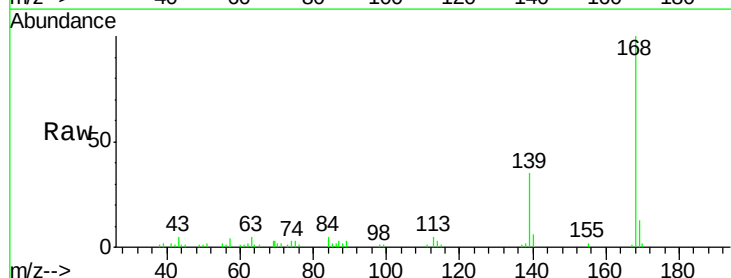
Tgt Ion:139 Resp: 17561

Ion Ratio Lower Upper

139 100

109 0.0 58.5 98.5#

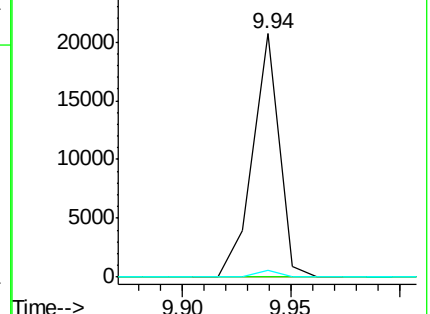
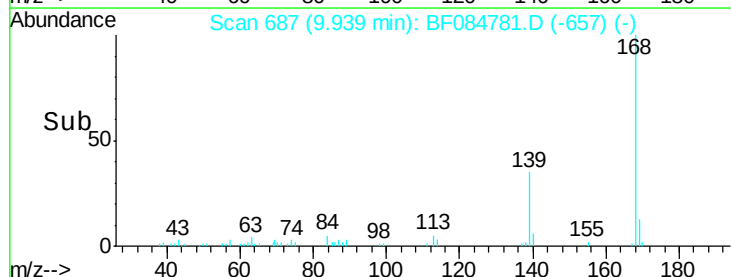
65 2.6 57.6 97.6#

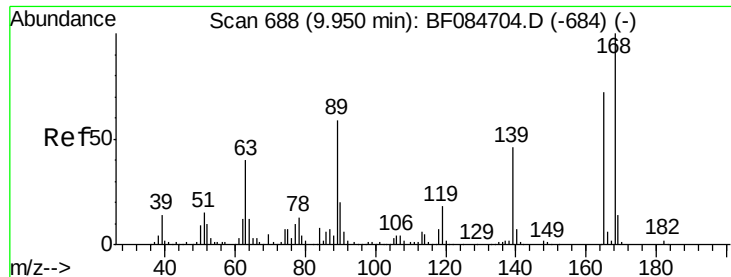


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

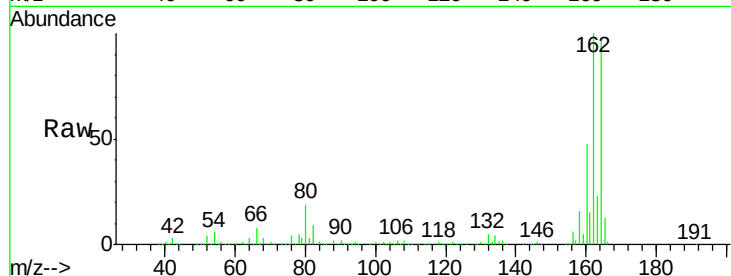




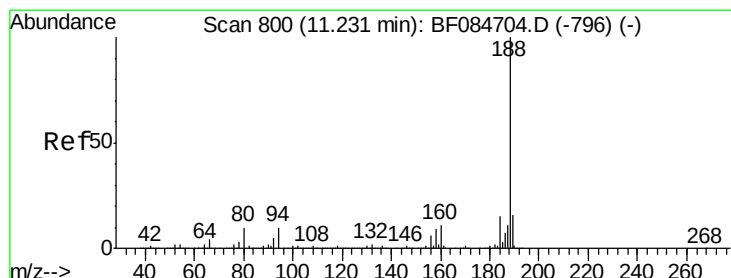
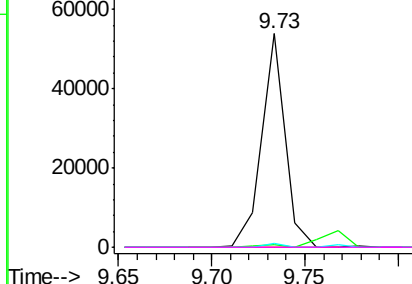
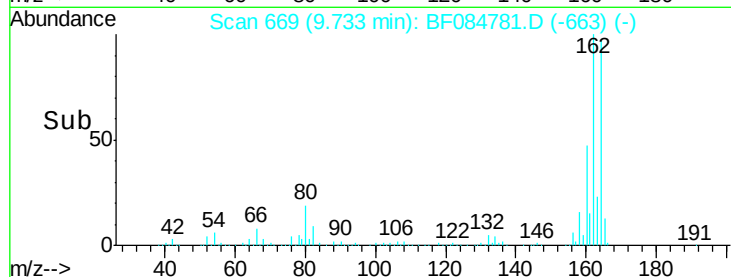
#56
2,4-Dinitrotoluene
Concen: 6.14 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.23 min
Lab File: BF084781.D
Acq: 3 Feb 2016 8:58

Instrument :
BNA_F
ClientSampleId :
HSR-WC-26-012916

Tot Ion:165 Resp: 47466
Ion Ratio Lower Upper
165 100
63 1.4 36.7 55.1#
89 1.7 61.9 92.9#
182 0.0 2.0 3.0#

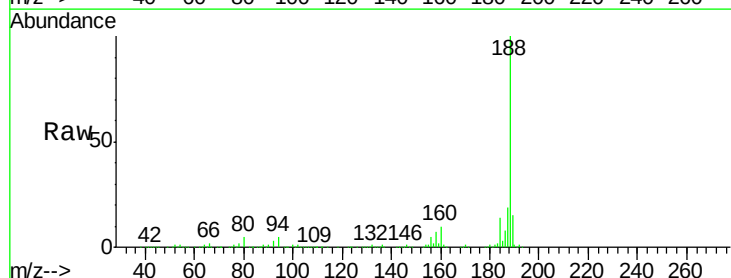


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

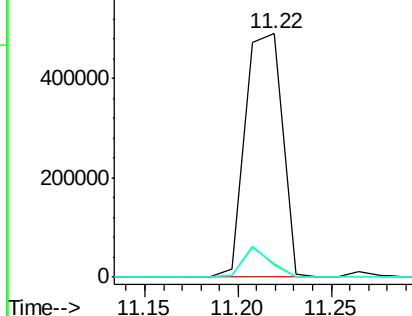
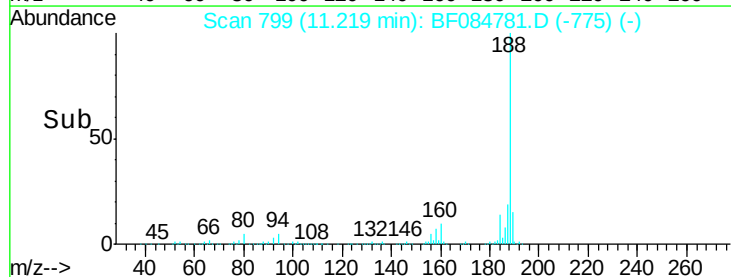


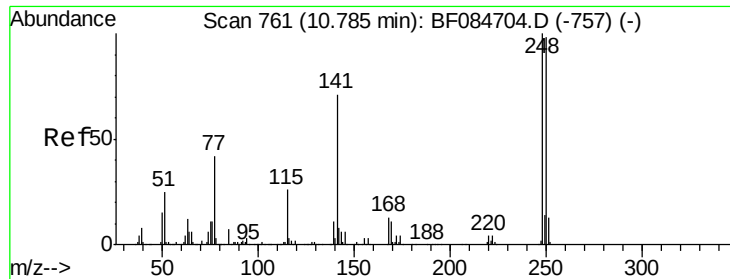
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.02 min
Lab File: BF084781.D
Acq: 3 Feb 2016 8:58

Tgt Ion:188 Resp: 679614
Ion Ratio Lower Upper
188 100
94 5.2 9.0 13.4#
80 4.8 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

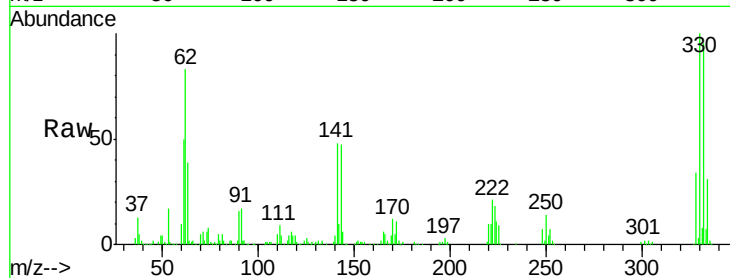




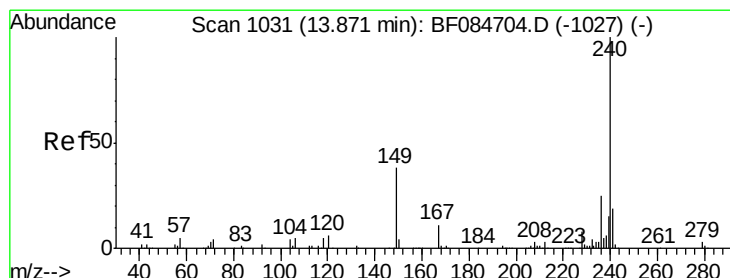
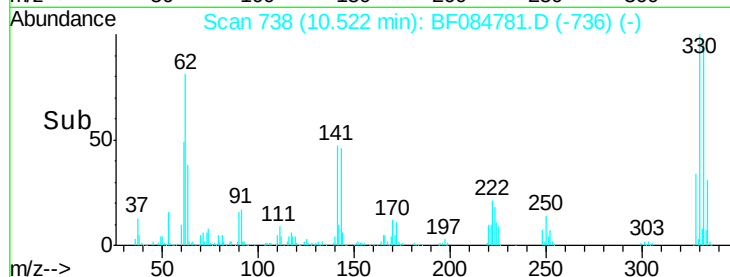
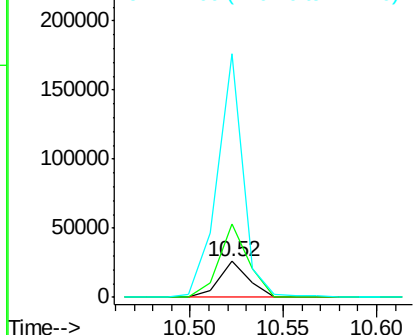
#66
4-Bromophenyl-phenylether
Concen: 3.86 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.27 min
Lab File: BF084781.D
Acq: 3 Feb 2016 8:58

Instrument :
BNA_F
ClientSampleId :
HSR-WC-26-012916

Tot Ion:248 Resp: 28988
Ion Ratio Lower Upper
248 100
250 201.1 78.4 117.6#
141 672.2 44.0 66.0#

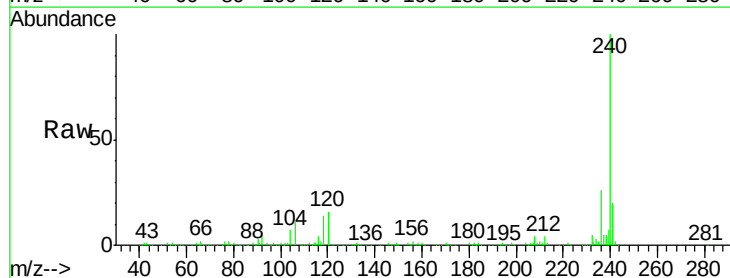


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

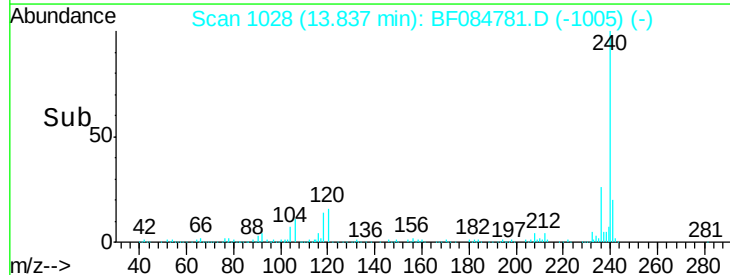
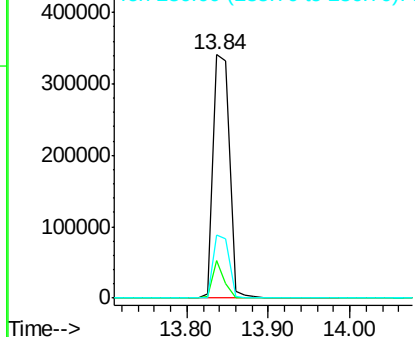


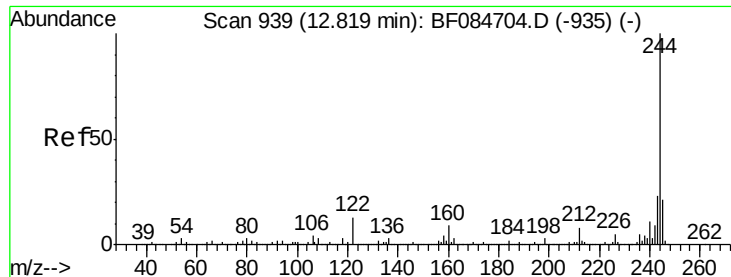
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.84 min Scan# 1028
Delta R.T. -0.03 min
Lab File: BF084781.D
Acq: 3 Feb 2016 8:58

Tgt Ion:240 Resp: 479540
Ion Ratio Lower Upper
240 100
120 15.6 9.5 14.3#
236 26.0 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

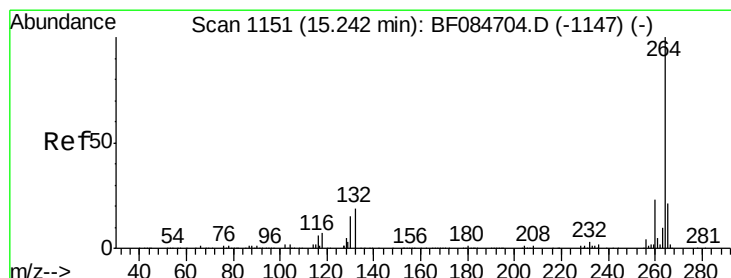
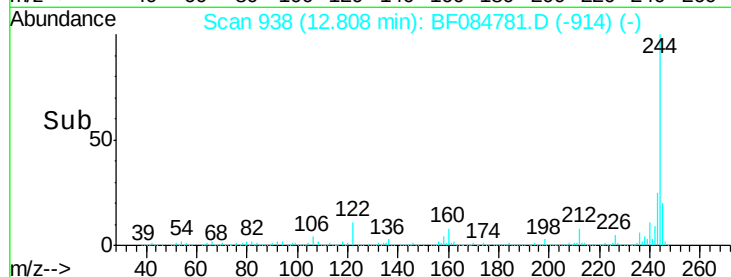
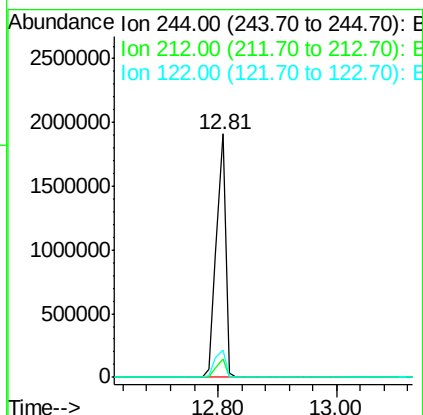
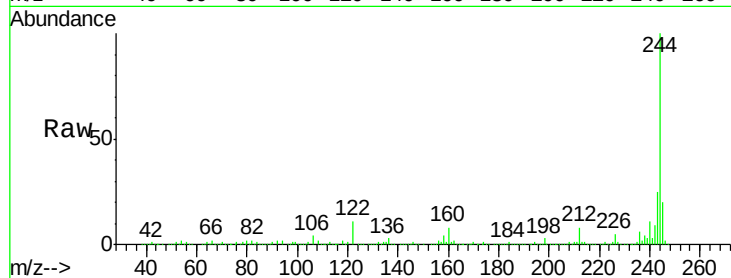




#78
 Terphenyl-d14
 Concen: 96.99 ng
 RT: 12.81 min Scan# 938
 Delta R.T. -0.02 min
 Lab File: BF084781.D
 Acq: 3 Feb 2016 8:58

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-26-012916

Tot Ion:244 Resp: 2052575
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.7 8.5
 122 11.1 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.22 min Scan# 1149
 Delta R.T. -0.03 min
 Lab File: BF084781.D
 Acq: 3 Feb 2016 8:58

Tgt Ion:264 Resp: 389895
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.4 29.2
 265 21.2 17.8 26.6

