

Data Path : Z:\HPCHEM1\BNA F\Data\BF020216\
 Data File : BF084780.D
 Acq On : 3 Feb 2016 8:31
 Operator : SJ/IZ
 Sample : H1313-06
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-25-012916

Quant Time: Feb 03 09:48:15 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	178044	20.00	ng	-0.03
21) Naphthalene-d8	7.98	136	776072	20.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	367082	20.00	ng	-0.03
63) Phenanthrene-d10	11.22	188	666470	20.00	ng	-0.02
75) Chrysene-d12	13.84	240	497373	20.00	ng	-0.03
86) Perylene-d12	15.22	264	395705	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	1475470	129.08	ng	0.00
7) Phenol-d6	6.35	99	1532003	108.11	ng	-0.02
23) Nitrobenzene-d5	7.26	82	1150740	83.53	ng	-0.03
41) 2,4,6-Tribromophenol	10.52	330	507854	132.63	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	2226502	116.61	ng	-0.02
78) Terphenyl-d14	12.81	244	2126019	96.86	ng	-0.02

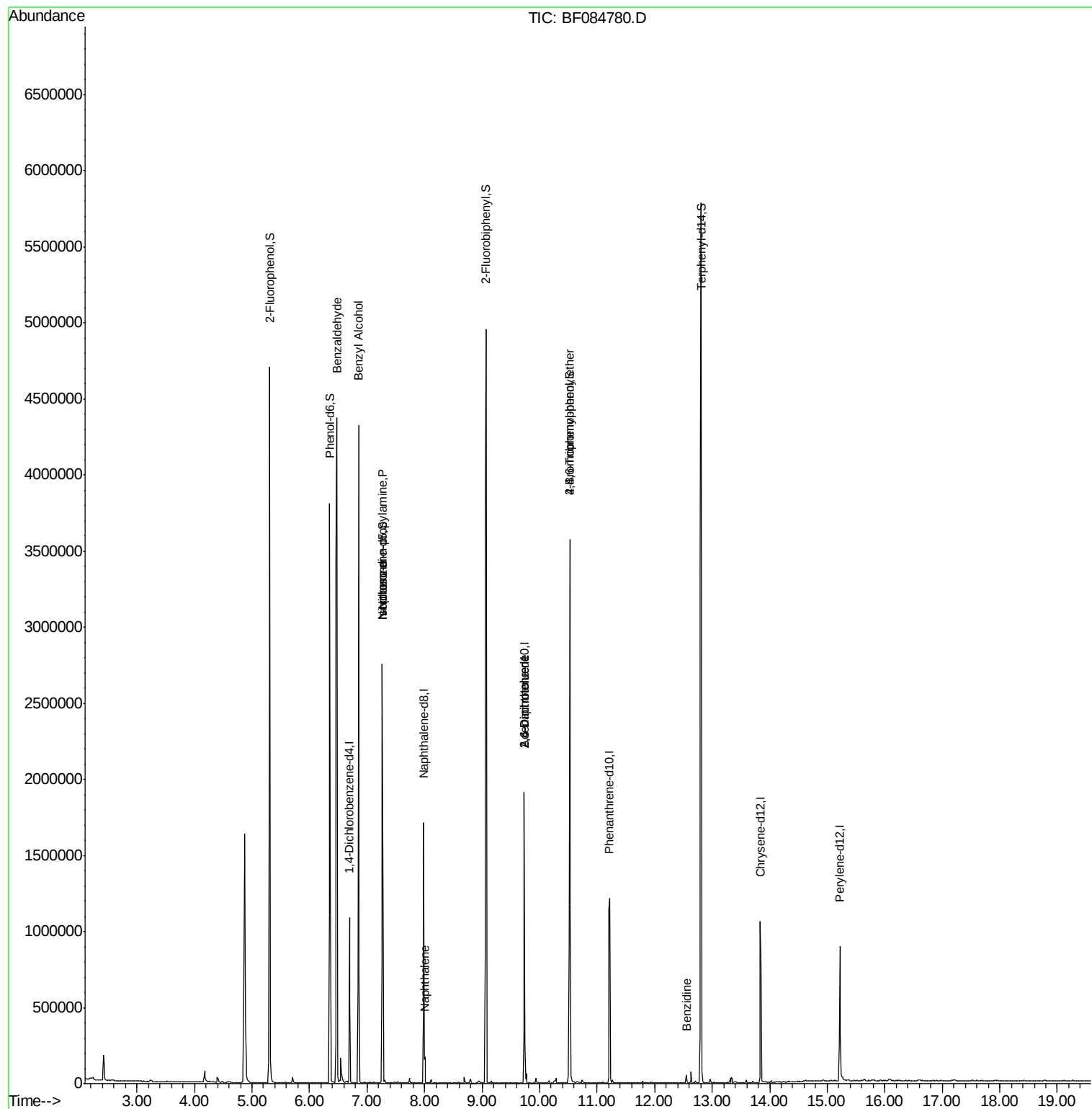
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.48	77	38846	4.64	ng	86
15) Benzyl Alcohol	6.85	79	19702	2.01	ng	# 42
19) n-Nitroso-di-n-propylamine	7.26	70	155111	17.46	ng	# 71
25) Isophorone	7.26	82	971169	36.25	ng	# 66
31) Naphthalene	8.01	128	90665	2.33	ng	98
50) 2,6-Dinitrotoluene	9.73	165	48914	8.01	ng	# 37
56) 2,4-Dinitrotoluene	9.73	165	48914	6.28	ng	# 21
66) 4-Bromophenyl-phenylether	10.52	248	29759	4.04	ng	# 1
76) Benzidine	12.56	184	32026	8.10	ng	97

(#) = 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: BF084780.D

Acq: 3 Feb 2016 8:31

Instrument :

BNA_F

ClientSampleId :

HSR-WC-25-012916

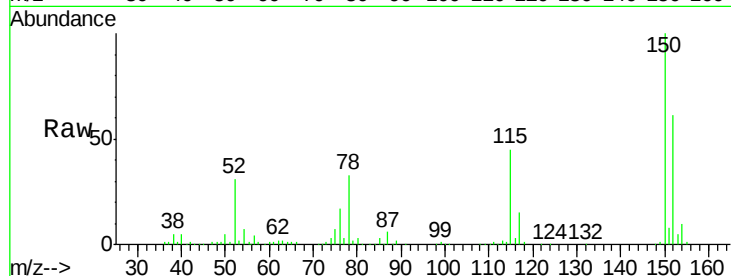
Tot Ion:152 Resp: 178044

Ion Ratio Lower Upper

152 100

150 164.8 123.0 184.4

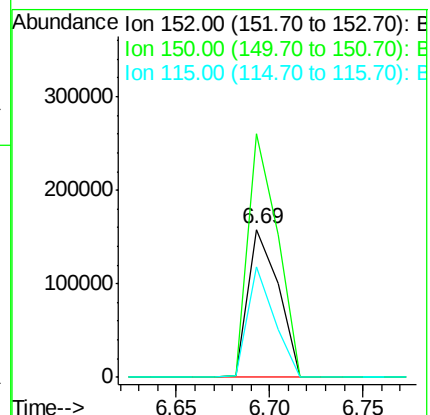
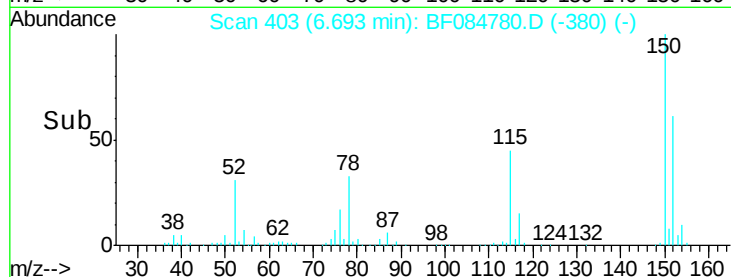
115 74.8 51.4 77.2



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: 129.08 ng

RT: 5.31 min Scan# 282

Delta R.T. 0.00 min

Lab File: BF084780.D

Acq: 3 Feb 2016 8:31

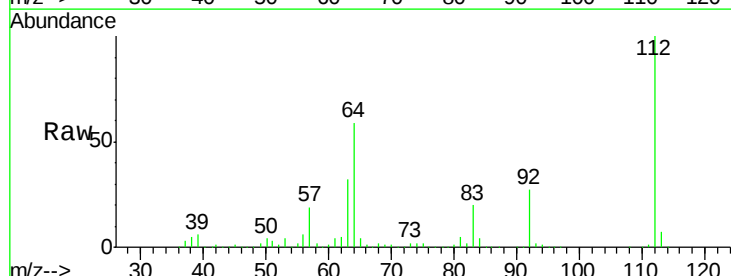
Tgt Ion:112 Resp: 1475470

Ion Ratio Lower Upper

112 100

64 59.2 36.6 55.0#

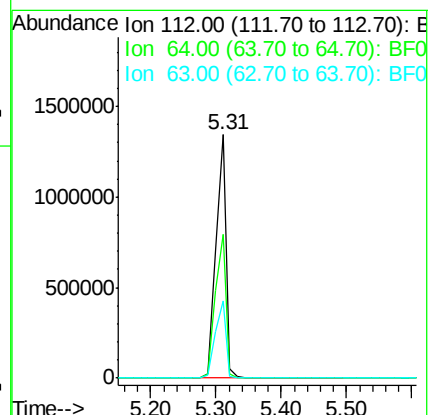
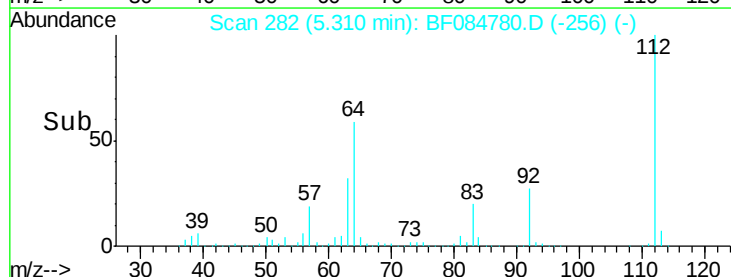
63 31.6 19.4 29.0#



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: 108.11 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084780.D

Acq: 3 Feb 2016 8:31

Instrument :

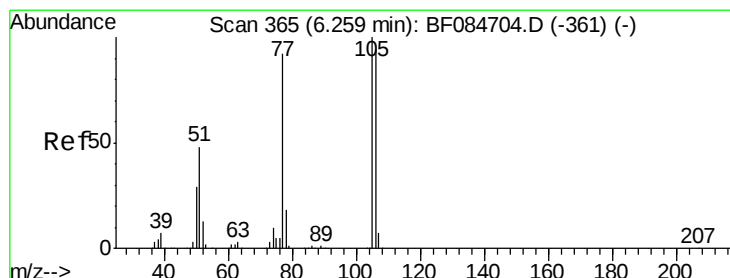
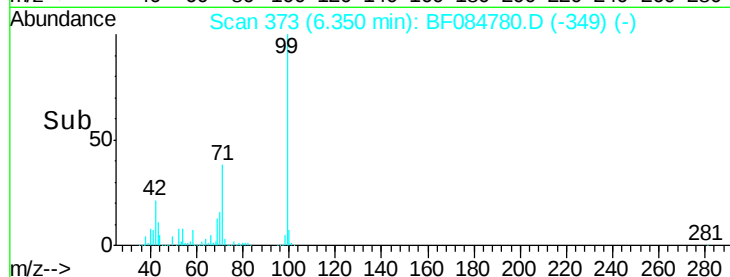
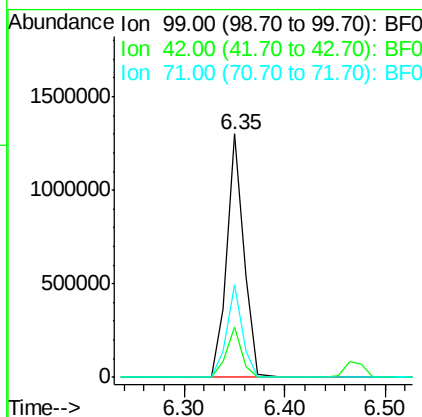
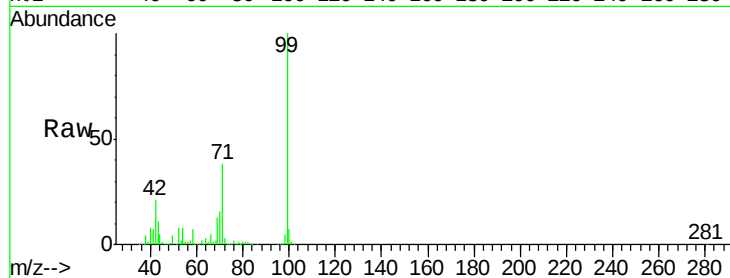
BNA_F

ClientSampleId :

HSR-WC-25-012916

Tot Ion: 99 Resp: 1532003

Ion	Ratio	Lower	Upper
99	100		
42	20.8	12.8	19.2#
71	37.9	30.9	46.3



#9

Benzaldehyde

Concen: 4.64 ng

RT: 6.48 min Scan# 384

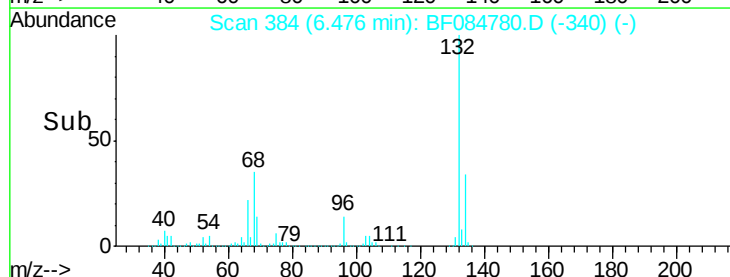
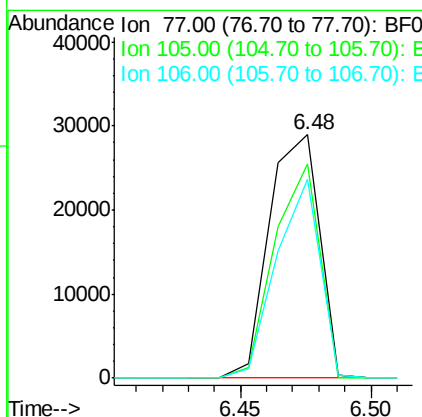
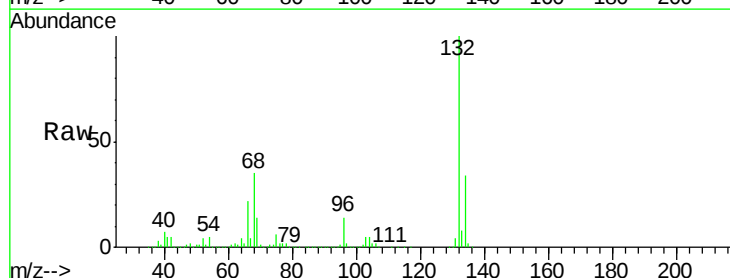
Delta R.T. 0.21 min

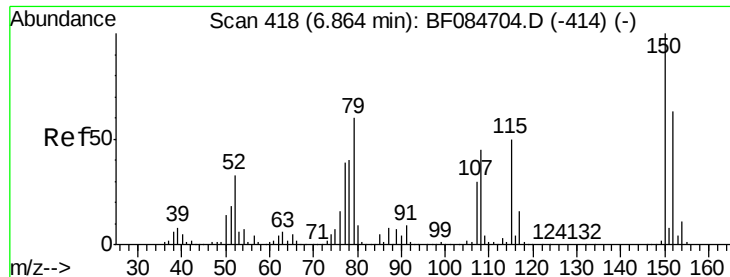
Lab File: BF084780.D

Acq: 3 Feb 2016 8:31

Tgt Ion: 77 Resp: 38846

Ion	Ratio	Lower	Upper
77	100		
105	88.2	83.0	123.0
106	81.6	74.6	114.6





#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.02 min

Lab File: BF084780.D

Acq: 3 Feb 2016 8:31

Instrument :

BNA_F

ClientSampleId :

HSR-WC-25-012916

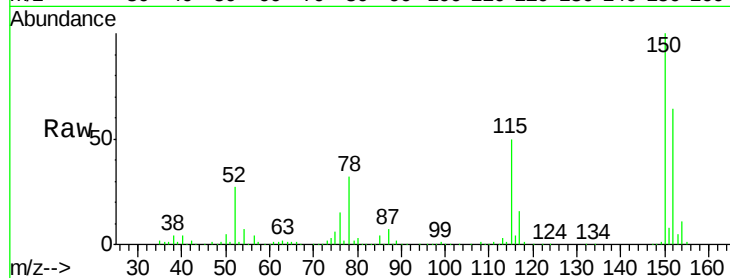
Tot Ion: 79 Resp: 19702

Ion Ratio Lower Upper

79 100

108 28.3 69.0 103.4#

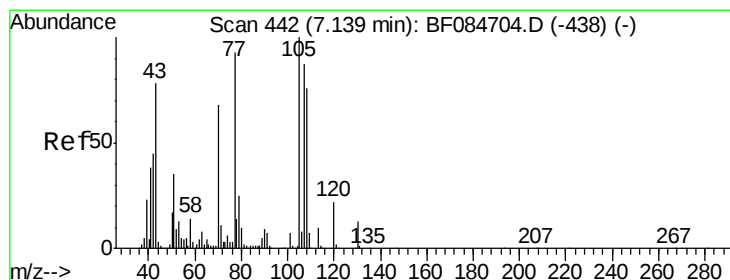
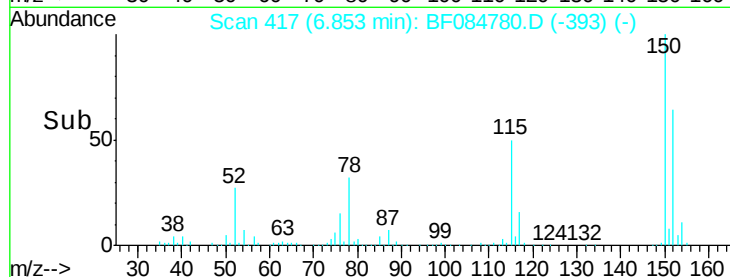
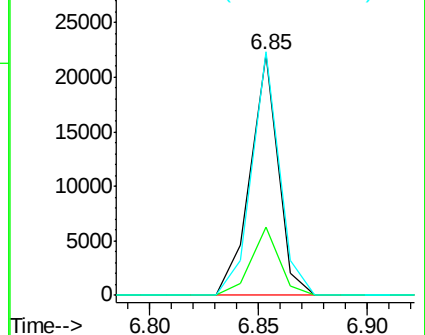
77 101.3 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 17.46 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.11 min

Lab File: BF084780.D

Acq: 3 Feb 2016 8:31

Tgt Ion: 70 Resp: 155111

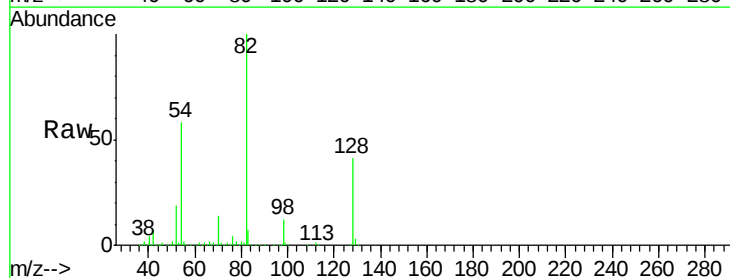
Ion Ratio Lower Upper

70 100

42 49.7 33.3 49.9

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

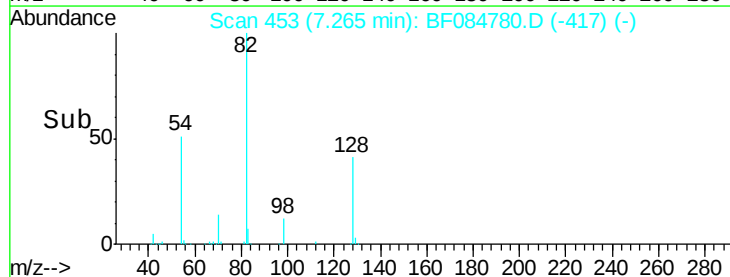
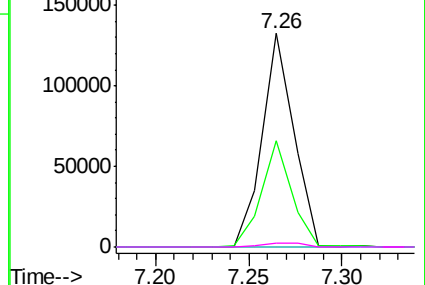


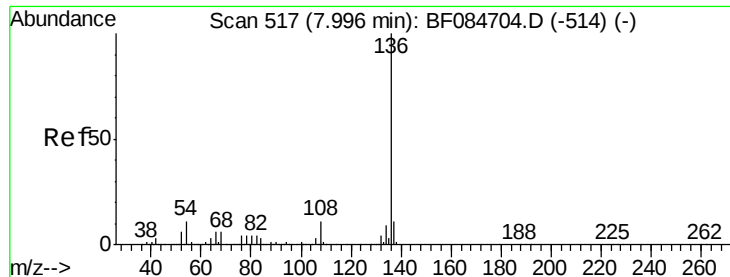
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

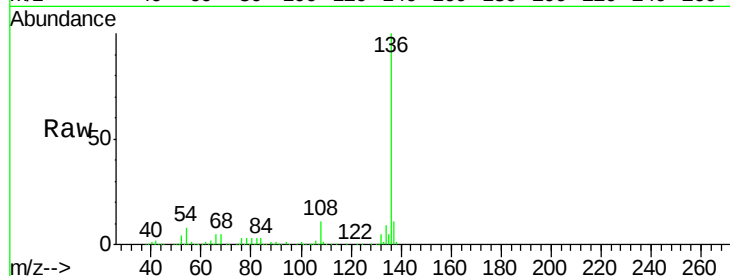




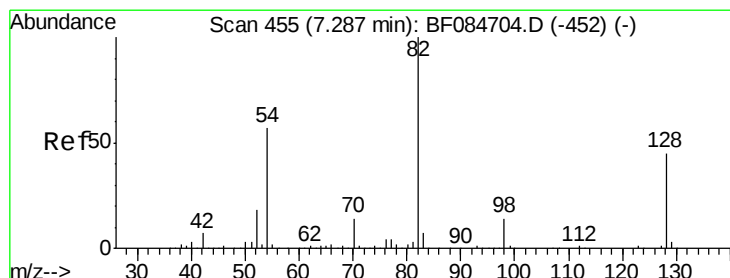
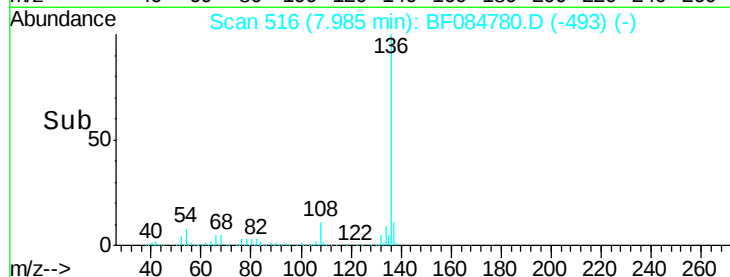
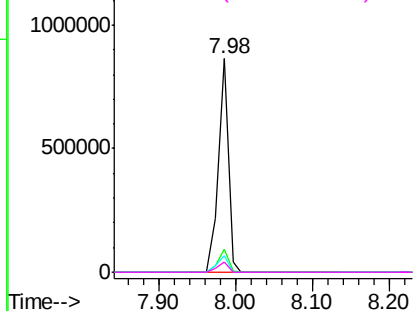
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.03 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

Instrument :
BNA_F
ClientSampleId :
HSR-WC-25-012916

Tot Ion:136	Resp: 776072
Ion Ratio	Lower Upper
136 100	
137 11.1	8.7 13.1
54 7.8	5.8 8.8
68 4.6	4.2 6.2

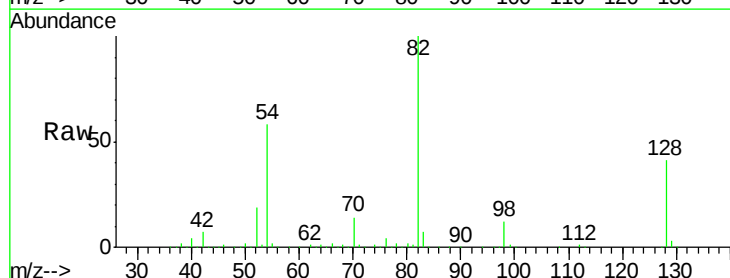


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

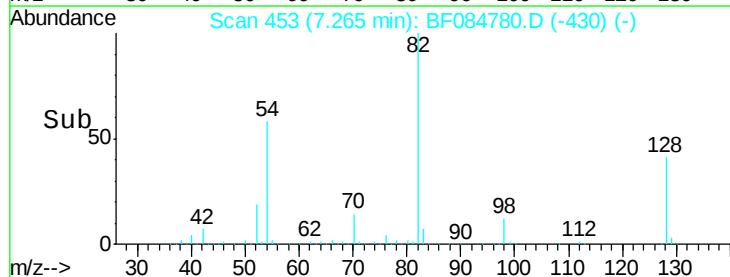
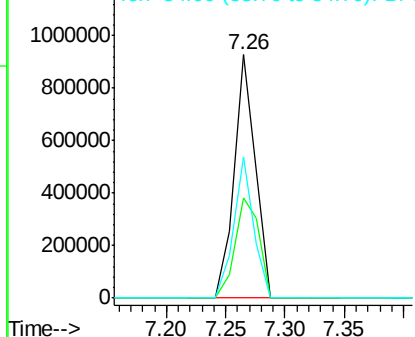


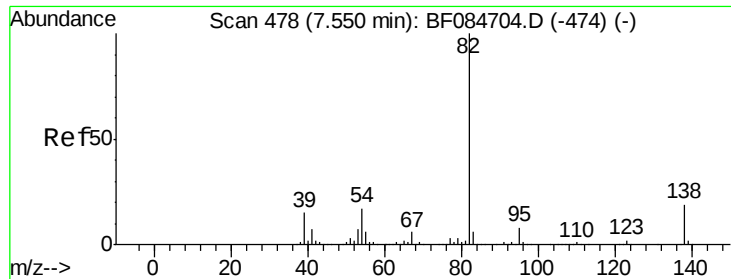
#23
Nitrobenzene-d5
Concen: 83.53 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.03 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

Tgt Ion: 82	Resp: 1150740
Ion Ratio	Lower Upper
82 100	
128 41.4	34.6 51.8
54 57.9	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: 36.25 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.30 min

Lab File: BF084780.D

Acq: 3 Feb 2016 8:31

Instrument :

BNA_F

ClientSampleId :

HSR-WC-25-012916

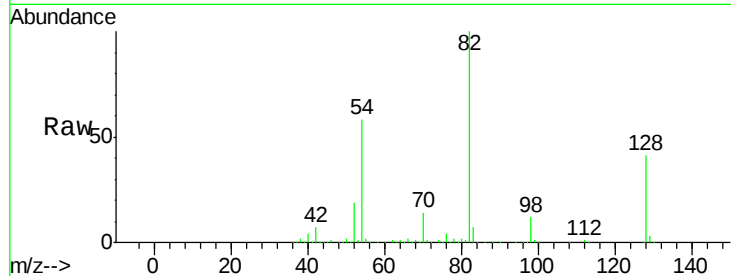
Tot Ion: 82 Resp: 971169

Ion Ratio Lower Upper

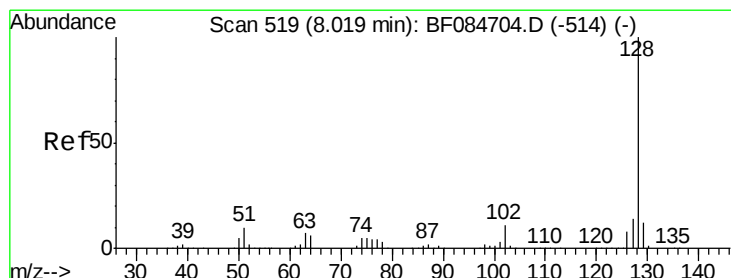
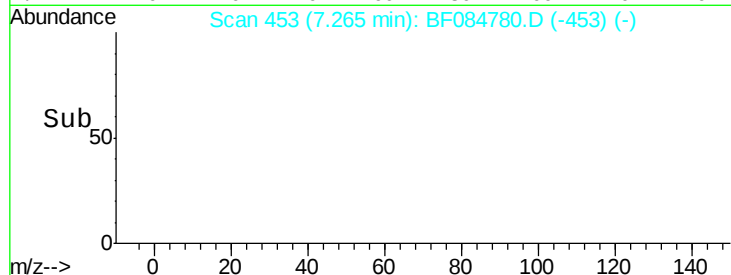
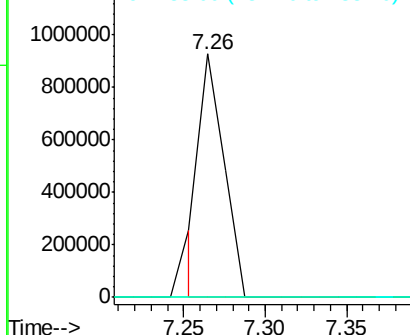
82 100

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: 2.33 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF084780.D

Acq: 3 Feb 2016 8:31

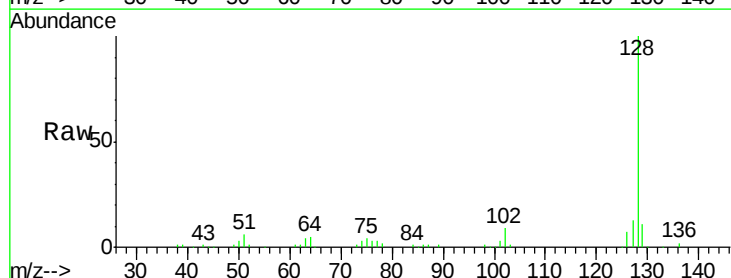
Tgt Ion: 128 Resp: 90665

Ion Ratio Lower Upper

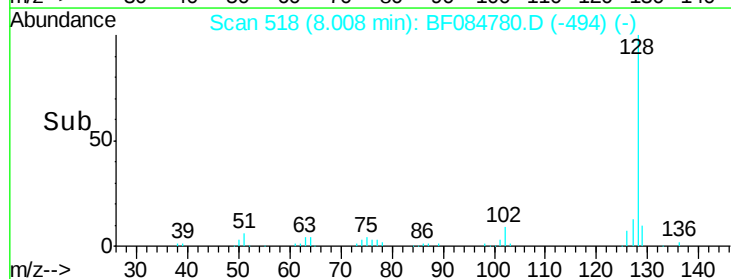
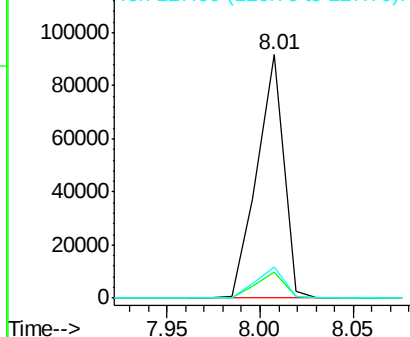
128 100

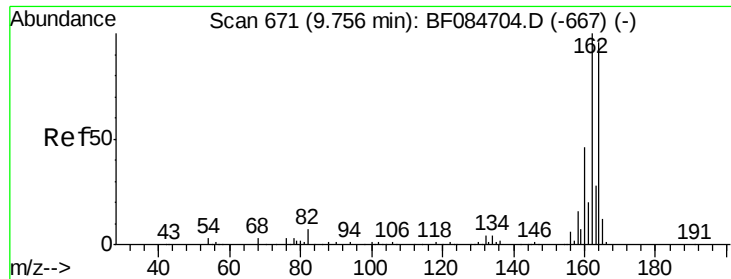
129 10.6 9.1 13.7

127 13.0 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

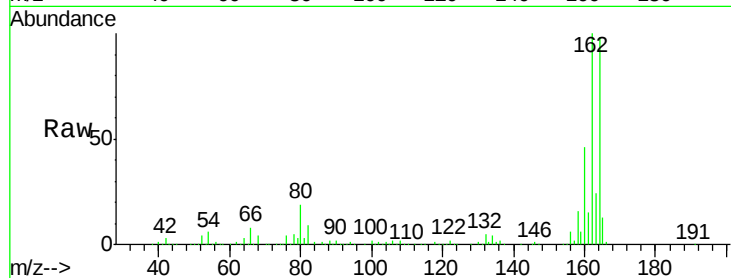




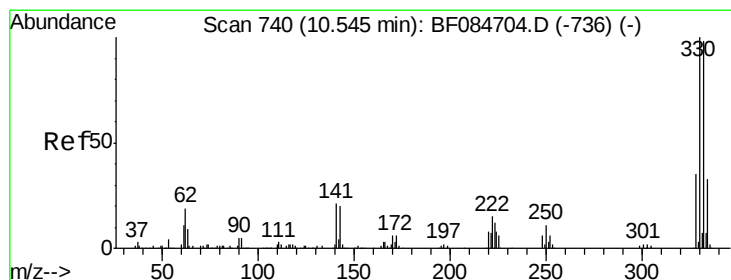
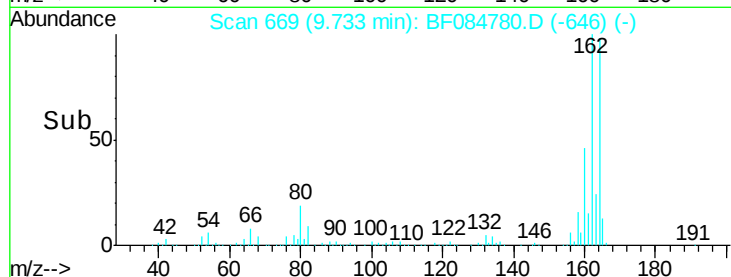
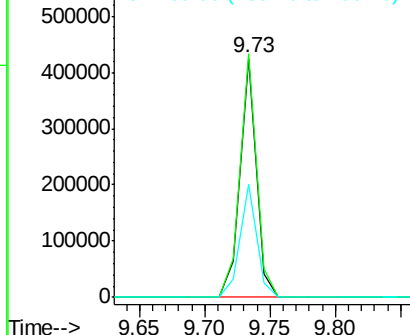
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.03 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

Instrument :
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ClientSampleId :
HSR-WC-25-012916

Tot Ion:164 Resp: 367082
Ion Ratio Lower Upper
164 100
162 101.8 85.1 127.7
160 47.2 37.5 56.3

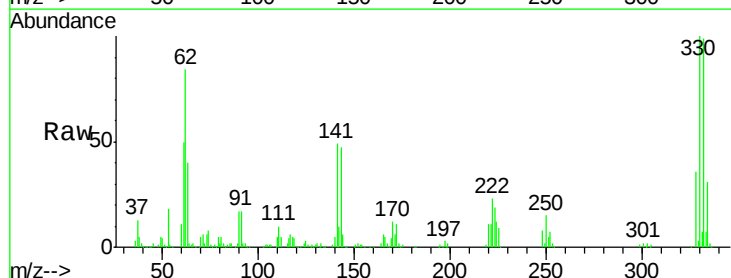


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

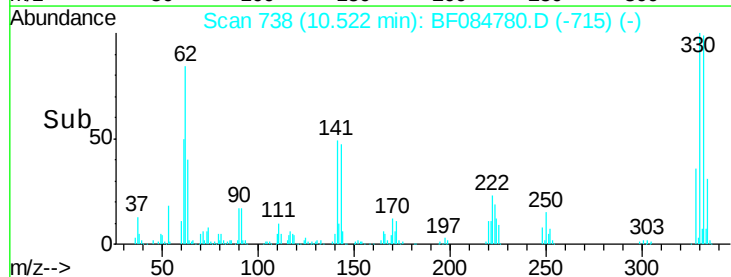
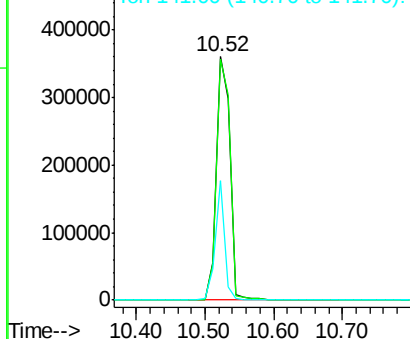


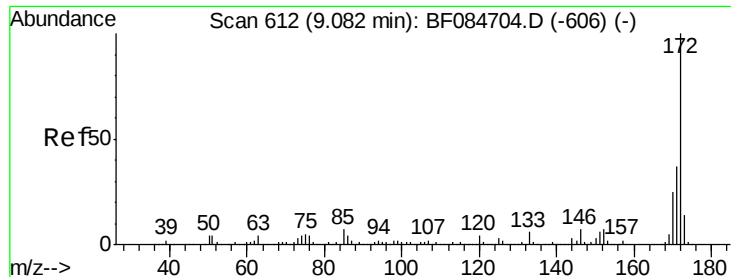
#41
2,4,6-Tribromophenol
Concen: 132.63 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.03 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

Tgt Ion:330 Resp: 507854
Ion Ratio Lower Upper
330 100
332 99.8 76.6 114.8
141 34.3 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

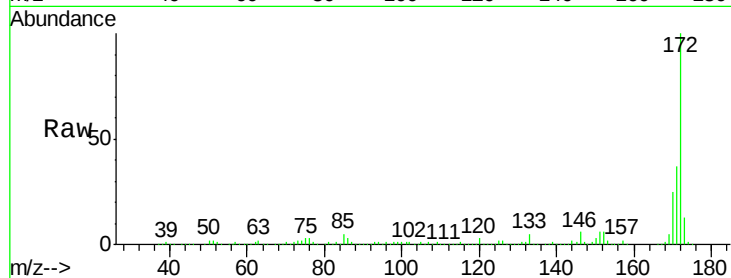




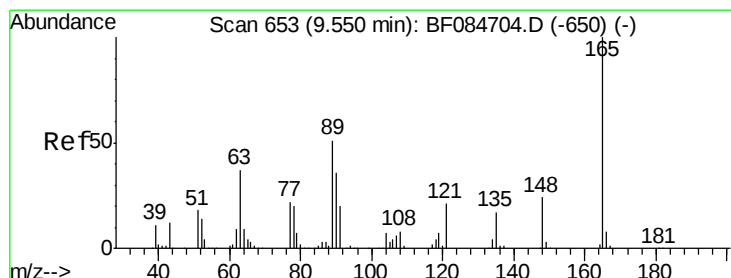
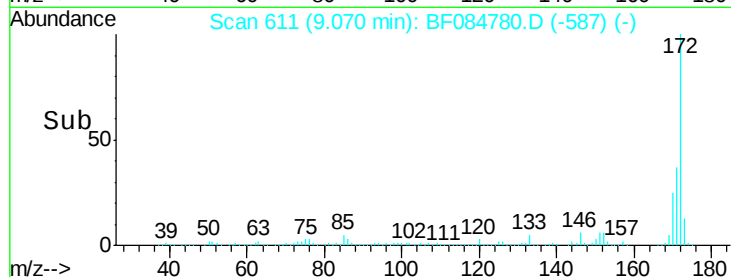
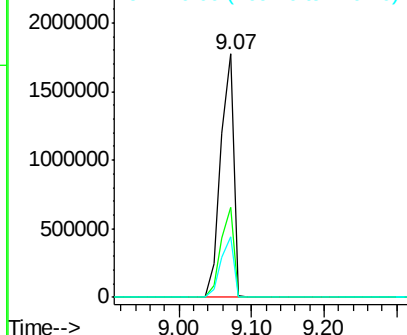
#44
 2-Fluorobiphenyl
 Concen: 116.61 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF084780.D
 Acq: 3 Feb 2016 8:31

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-25-012916

Tot Ion:172 Resp: 2226502
 Ion Ratio Lower Upper
 172 100
 171 37.0 28.9 43.3
 170 25.1 18.6 27.8

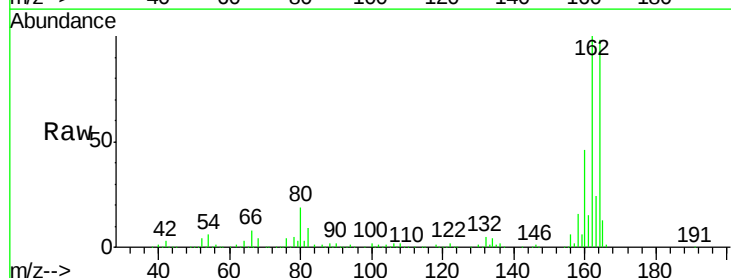


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

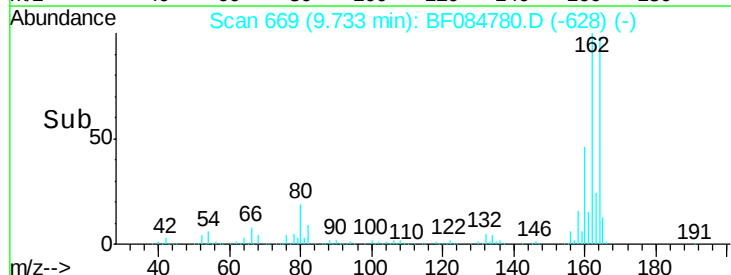
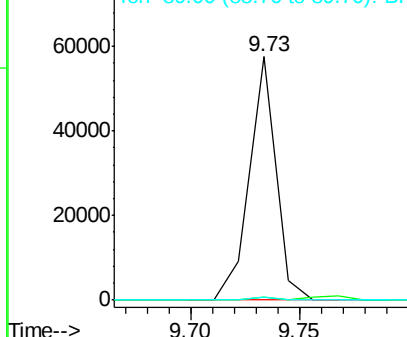


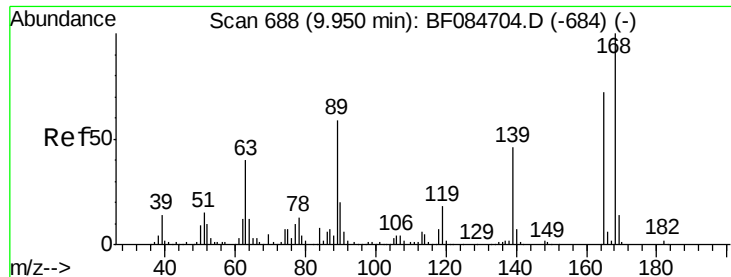
#50
 2,6-Dinitrotoluene
 Concen: 8.01 ng
 RT: 9.73 min Scan# 669
 Delta R.T. 0.17 min
 Lab File: BF084780.D
 Acq: 3 Feb 2016 8:31

Tgt Ion:165 Resp: 48914
 Ion Ratio Lower Upper
 165 100
 63 1.3 28.8 43.2#
 89 1.4 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

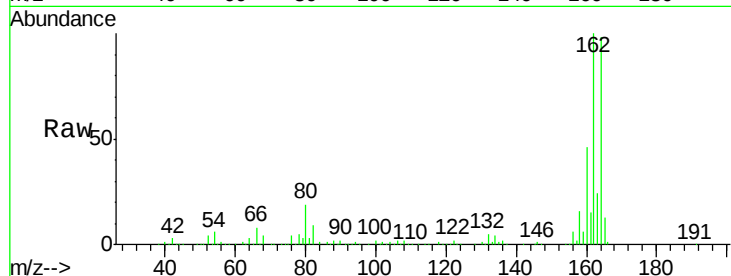




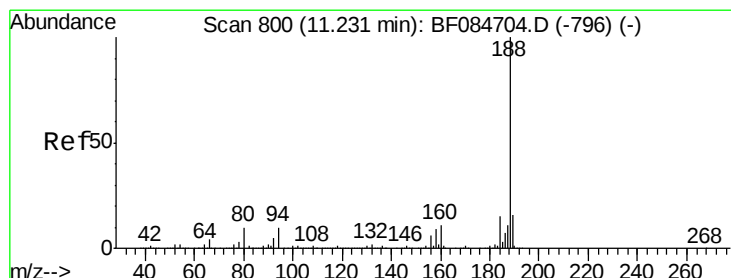
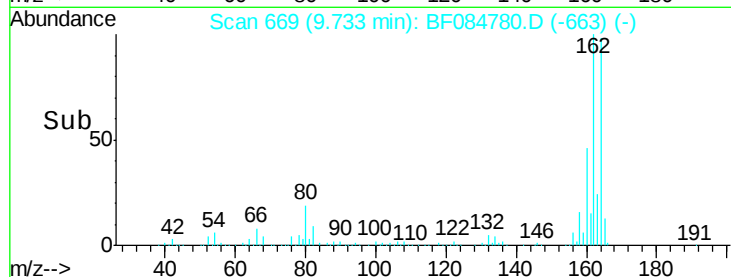
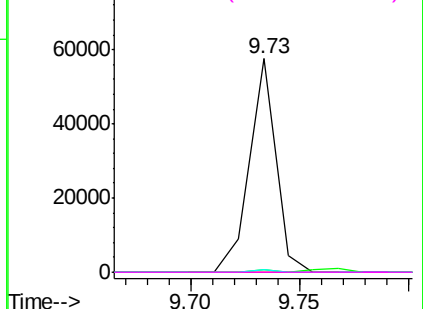
#56
 2,4-Dinitrotoluene
 Concen: 6.28 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.23 min
 Lab File: BF084780.D
 Acq: 3 Feb 2016 8:31

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-25-012916

Tot Ion:165 Resp: 48914
 Ion Ratio Lower Upper
 165 100
 63 1.3 36.7 55.1#
 89 1.4 61.9 92.9#
 182 0.0 2.0 3.0#

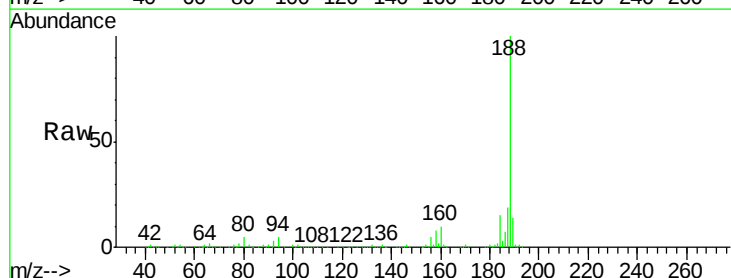


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

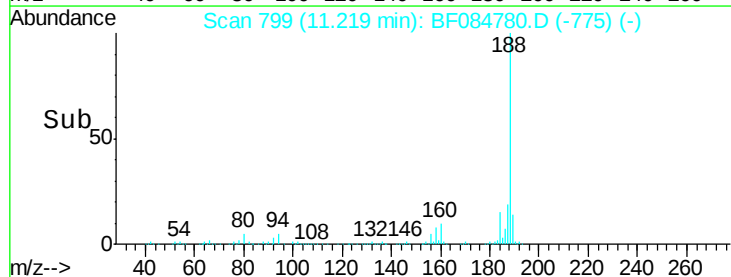
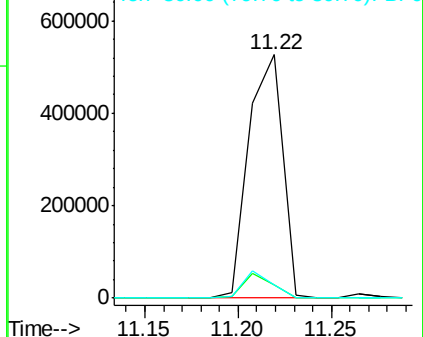


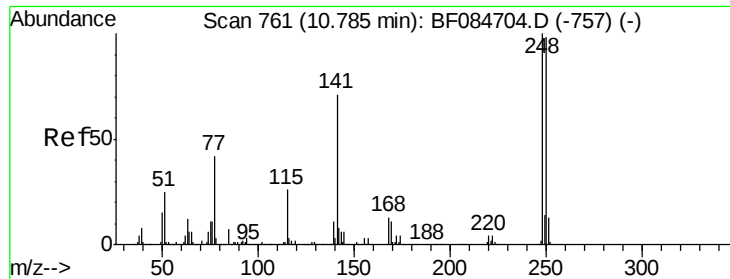
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: BF084780.D
 Acq: 3 Feb 2016 8:31

Tgt Ion:188 Resp: 666470
 Ion Ratio Lower Upper
 188 100
 94 5.2 9.0 13.4#
 80 5.3 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

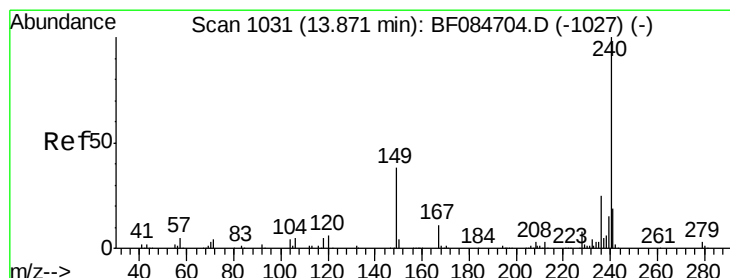
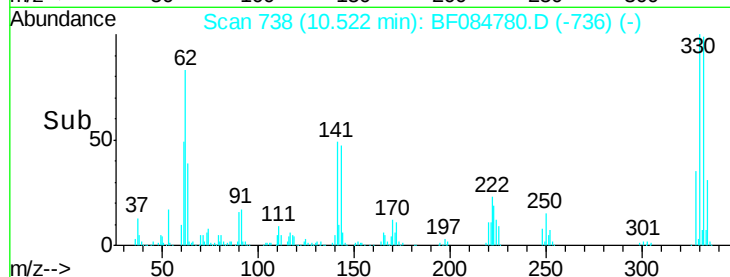
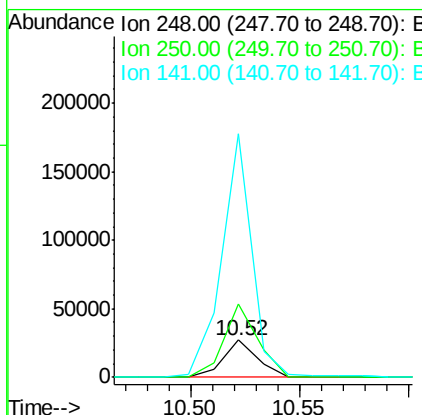
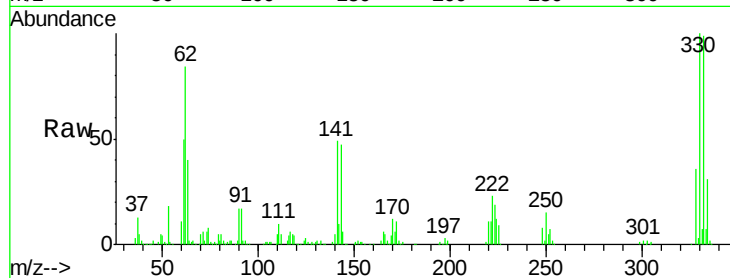




#66
4-Bromophenyl-phenylether
Concen: 4.04 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.27 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

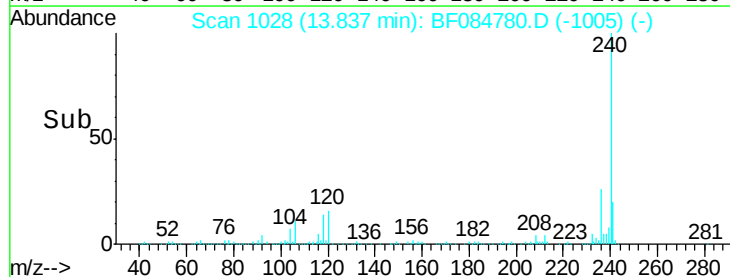
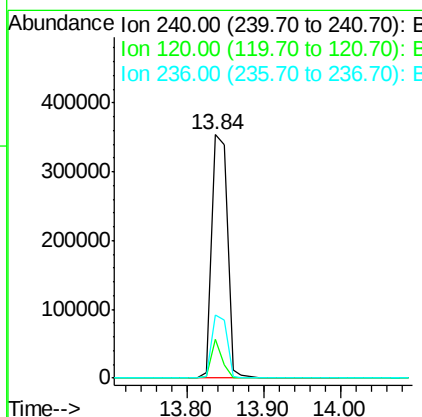
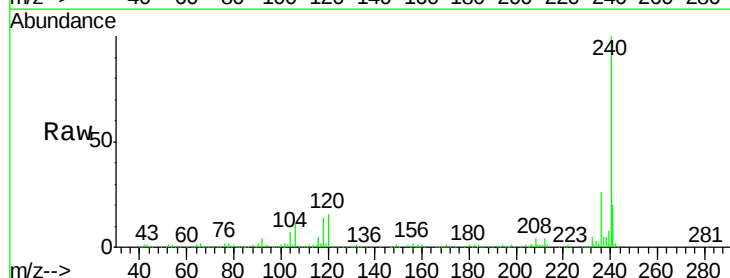
Instrument :
BNA_F
ClientSampleId :
HSR-WC-25-012916

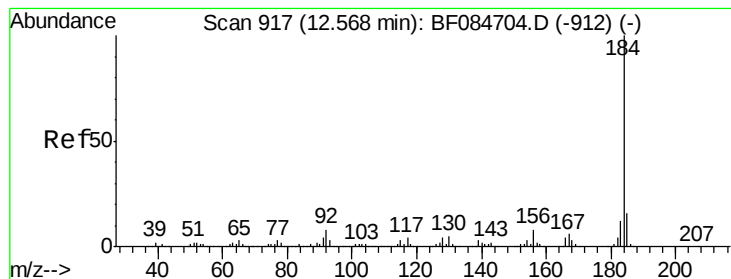
Tot Ion:248 Resp: 29759
Ion Ratio Lower Upper
248 100
250 197.3 78.4 117.6#
141 650.8 44.0 66.0#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.84 min Scan# 1028
Delta R.T. -0.03 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

Tgt Ion:240 Resp: 497373
Ion Ratio Lower Upper
240 100
120 16.0 9.5 14.3#
236 25.8 20.6 31.0





#76

Benzidine

Concen: 8.10 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.02 min

Lab File: BF084780.D

Acq: 3 Feb 2016 8:31

Instrument :

BNA_F

ClientSampleId :

HSR-WC-25-012916

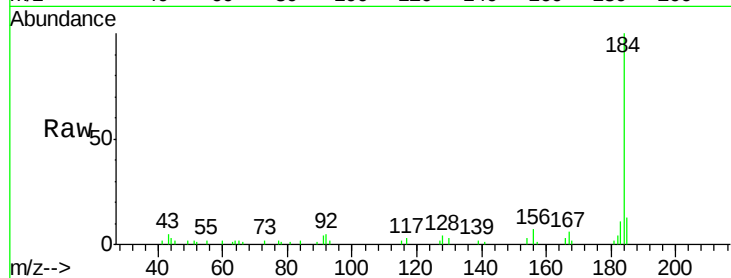
Tot Ion:184 Resp: 32026

Ion Ratio Lower Upper

184 100

185 13.4 12.2 18.2

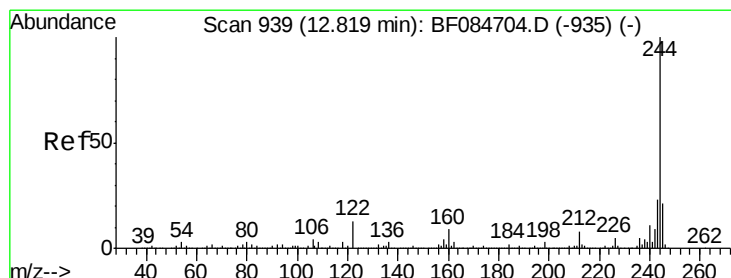
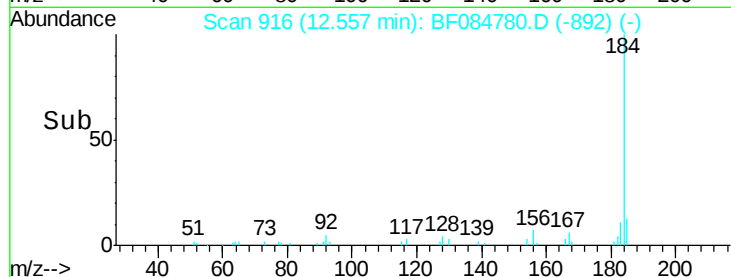
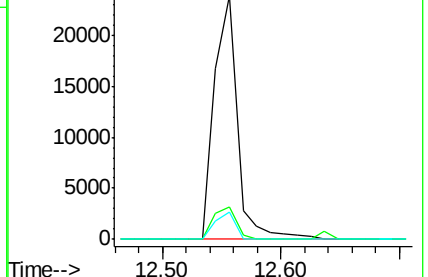
183 11.4 9.8 14.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 96.86 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF084780.D

Acq: 3 Feb 2016 8:31

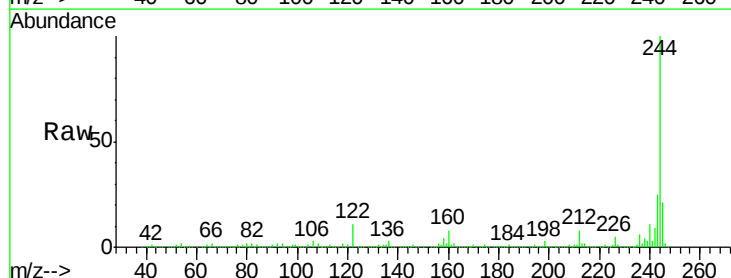
Tgt Ion:244 Resp: 2126019

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

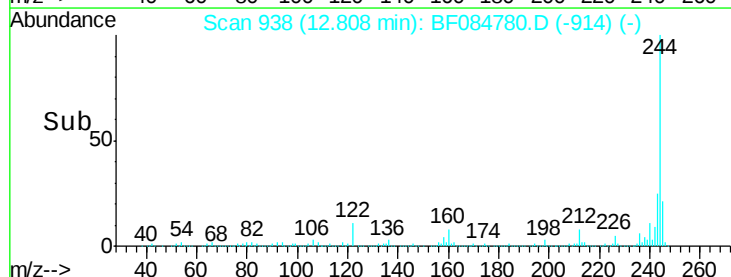
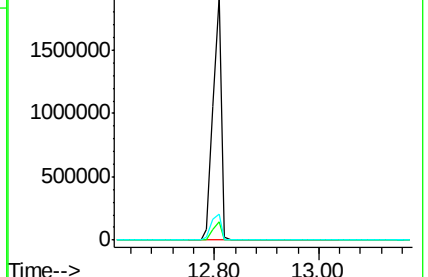
122 10.6 7.4 11.0

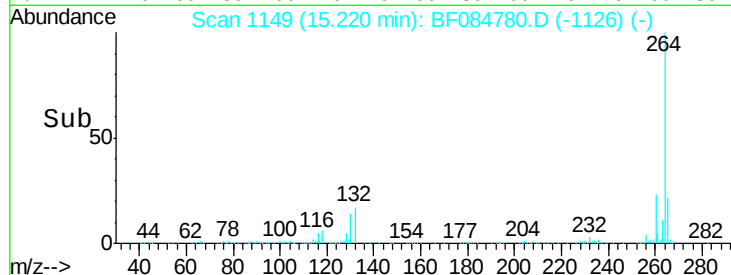
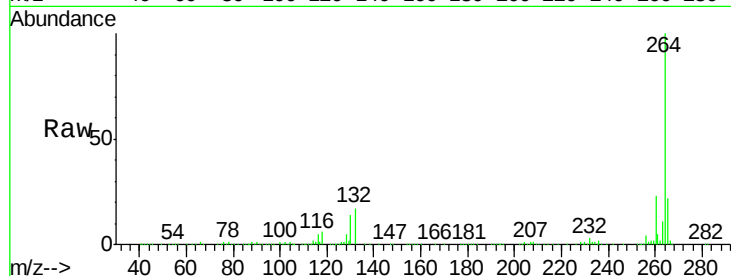
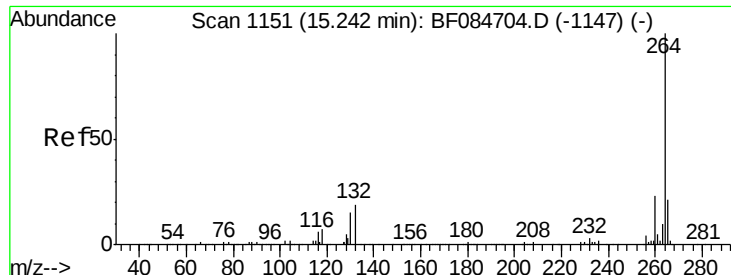


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.22 min Scan# 1149
Delta R.T. -0.03 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

Instrument :
BNA_F
ClientSampleId :
HSR-WC-25-012916

Tot Ion:	264	Resp:	395705
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.4	29.2
265	21.8	17.8	26.6

