

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
 Data File : BF085391.D
 Acq On : 12 Mar 2016 00:18
 Operator : UM/SJ
 Sample : H1743-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MNR-BLDG 30-RW-1

Manual Integrations
 APPROVED

UMANGI
 3/14/2016 10:45:45 AM

Quant Time: Mar 14 04:22:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	148999	20.00	ng	-0.05
21) Naphthalene-d8	8.22	136	528675	20.00	ng	-0.05
38) Acenaphthene-d10	9.98	164	245104	20.00	ng	-0.05
63) Phenanthrene-d10	11.48	188	382799	20.00	ng	-0.03
75) Chrysene-d12	14.12	240	267248	20.00	ng	-0.03
86) Perylene-d12	15.58	264	270486	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	587167	66.10	ng	-0.05
7) Phenol-d6	6.56	99	488510	41.98	ng	-0.05
23) Nitrobenzene-d5	7.50	82	879519	89.02	ng	-0.05
41) 2,4,6-Tribromophenol	10.78	330	277883	132.50	ng	-0.03
44) 2-Fluorobiphenyl	9.30	172	1323679	82.13	ng	-0.05
78) Terphenyl-d14	13.06	244	1029927	89.46	ng	-0.02
Target Compounds						
20) 3+4-Methylphenols	7.34	107	80196	7.76	ng	# 80
31) Naphthalene	8.24	128	354855	13.65	ng	# 91
37) 2-Methylnaphthalene	8.95	142	1785054	107.00	ng	98
49) Dimethylphthalate	9.70	163	162888	8.66	ng	# 57
51) Acenaphthene	10.01	154	77843	5.16	ng	94
54) Dibenzofuran	10.18	168	89714	4.54	ng	# 55
57) Fluorene	10.53	166	126874	8.17	ng	# 93
70) Phenanthrene	11.50	178	172593	8.60	ng	96

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

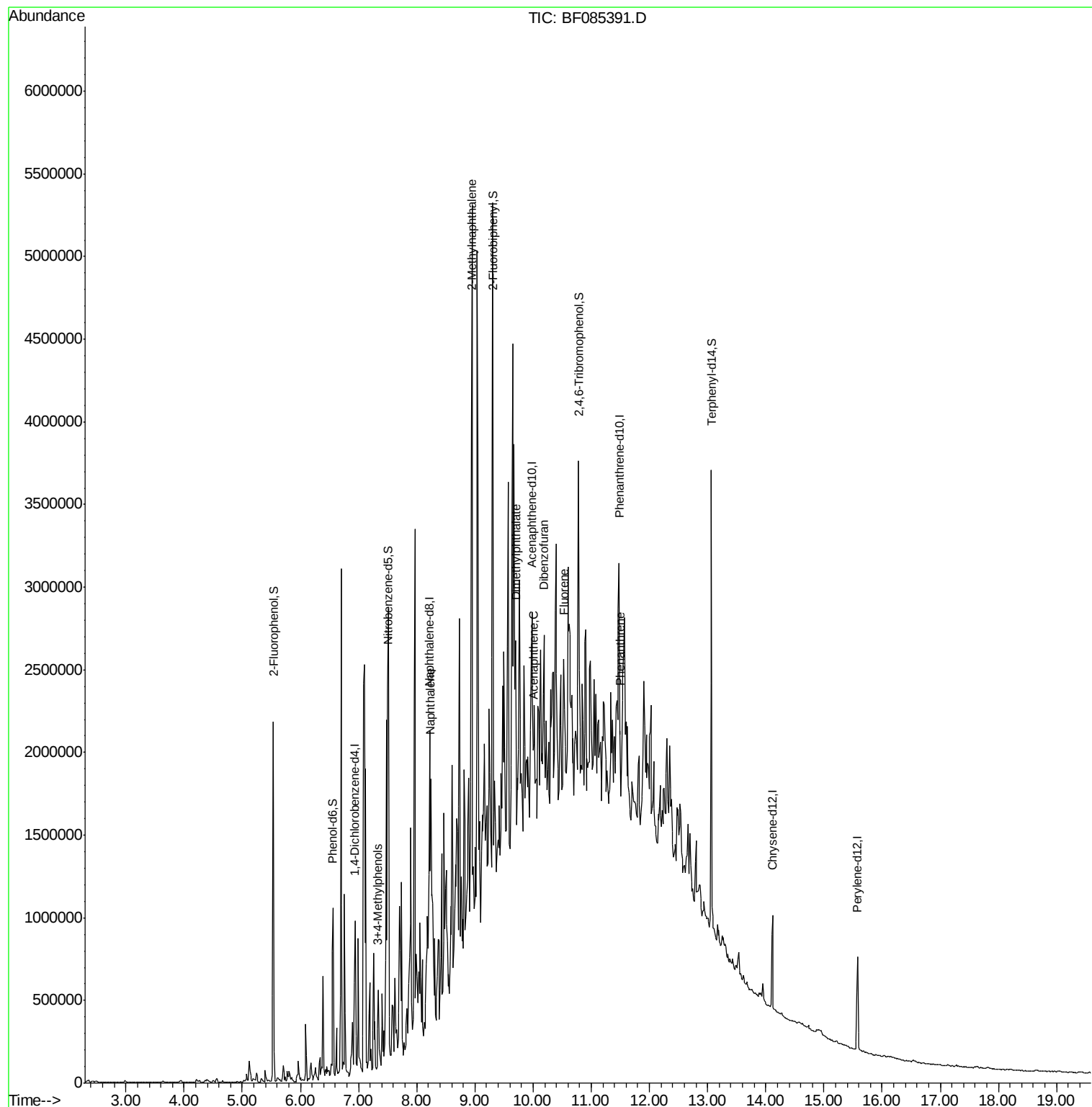
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
Data File : BF085391.D
Acq On : 12 Mar 2016 00:18
Operator : UM/SJ
Sample : H1743-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

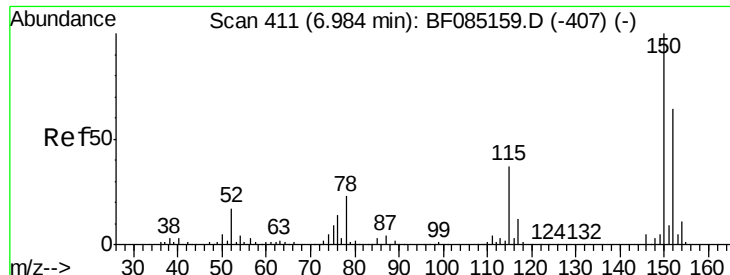
Instrument :
BNA_F
ClientSampleId :
MNR-BLDG 30-RW-1

Manual Integrations
APPROVED

UMANGI
3/14/2016 10:45:45 AM

Quant Time: Mar 14 04:22:28 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration





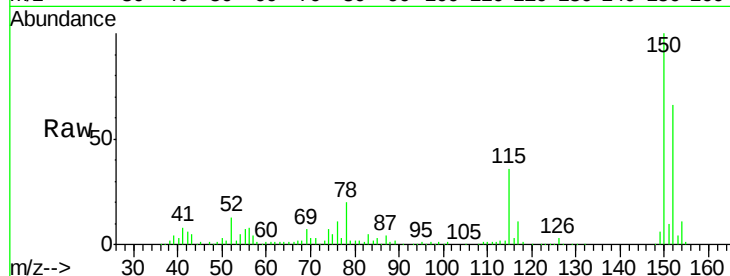
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.94 min Scan# 407
 Delta R.T. -0.05 min
 Lab File: BF085391.D
 Acq: 12 Mar 2016 00:18

Instrument :
 BNA_F
 ClientSampleId :
 MNR-BLDG 30-RW-1

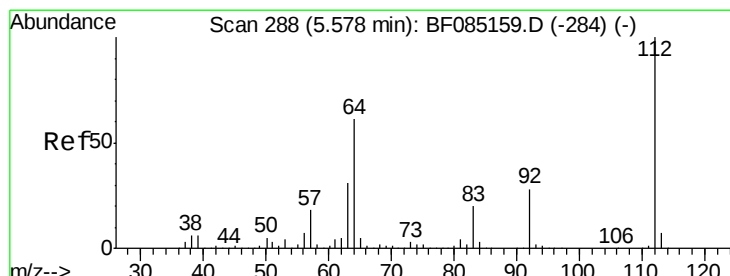
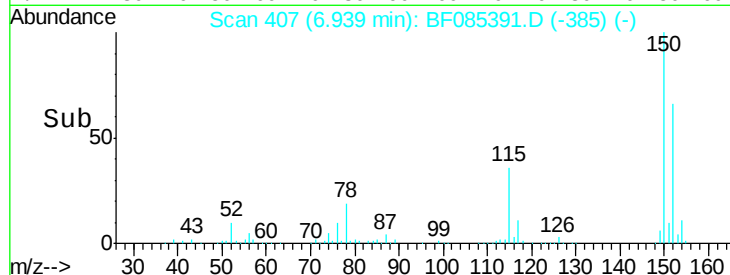
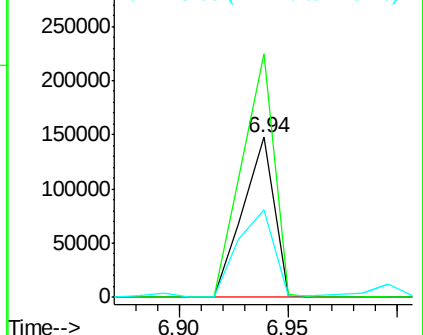
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	148999		
150	152.3	124.6	186.8	
115	54.9	46.6	70.0	

Manual Integrations
 APPROVED

UMANGI
 3/14/2016 10:45:45 AM

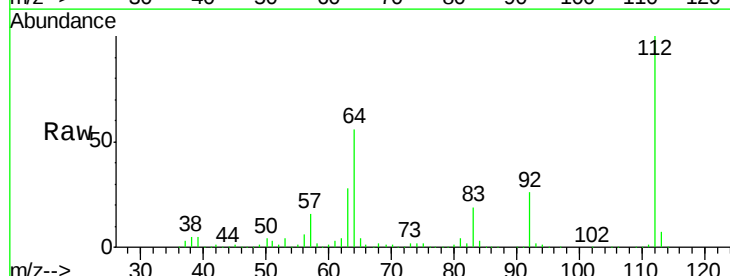


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

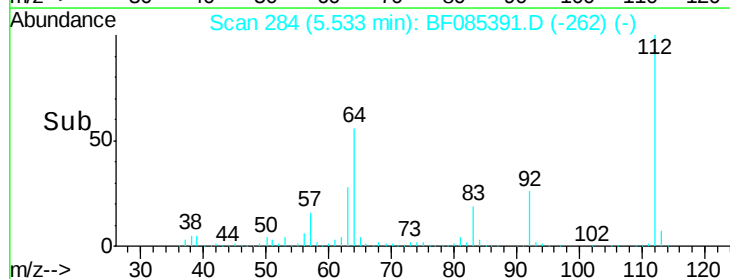
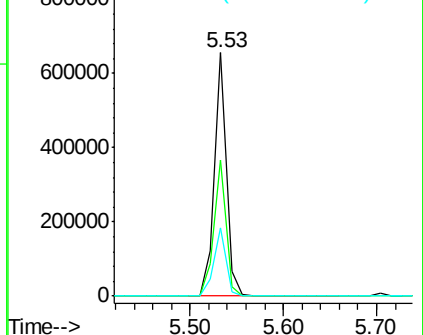


#5
 2-Fluorophenol
 Concen: 66.10 ng
 RT: 5.53 min Scan# 284
 Delta R.T. -0.05 min
 Lab File: BF085391.D
 Acq: 12 Mar 2016 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	587167		
64	55.9	49.0	73.4	
63	28.2	24.8	37.2	



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: 41.98 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085391.D

Acq: 12 Mar 2016 00:18

Instrument :

BNA_F

ClientSampleId :

MNR-BLDG 30-RW-1

Tgt Ion: 99 Resp: 488510

Ion Ratio Lower Upper

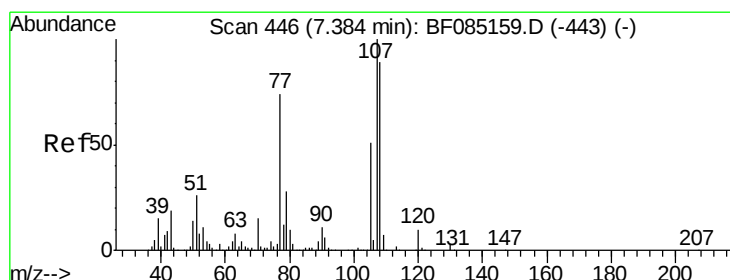
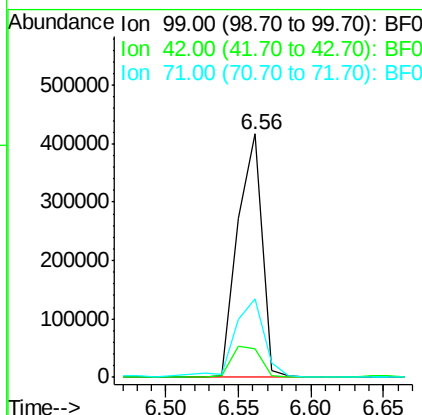
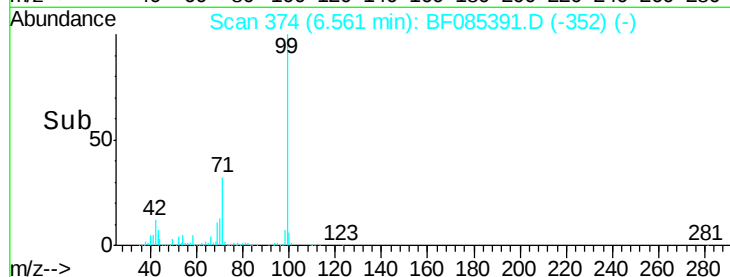
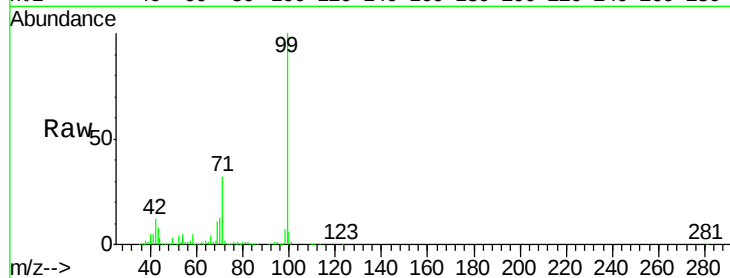
99 100

42 12.0 13.6 20.4#

71 32.4 26.7 40.1

Manual Integrations
APPROVED

UMANGI
3/14/2016 10:45:45 AM



#20

3+4-Methylphenols

Concen: 7.76 ng

RT: 7.34 min Scan# 442

Delta R.T. -0.05 min

Lab File: BF085391.D

Acq: 12 Mar 2016 00:18

Tgt Ion: 107 Resp: 80196

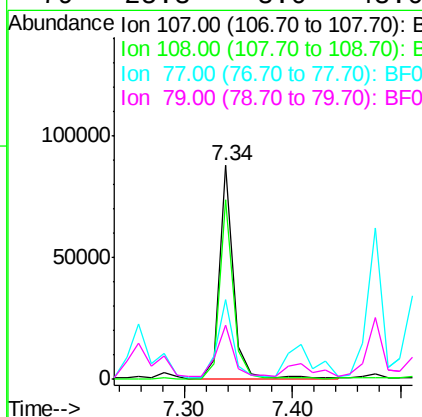
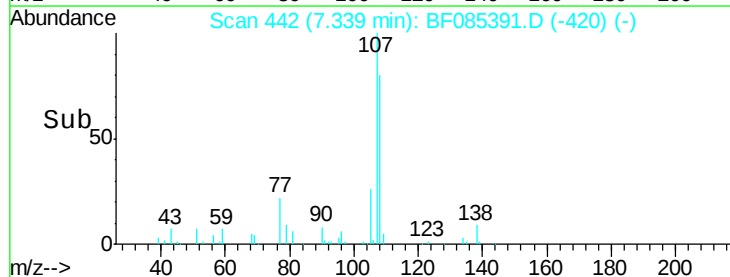
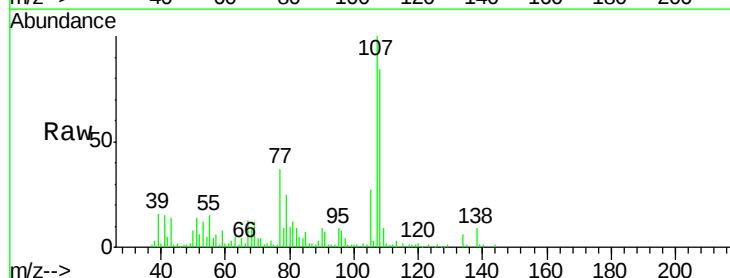
Ion Ratio Lower Upper

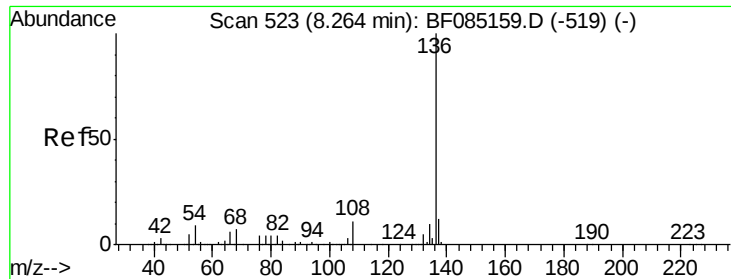
107 100

108 83.7 68.8 108.8

77 36.9 53.6 93.6#

79 25.3 8.0 48.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.22 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF085391.D

Acq: 12 Mar 2016 00:18

Instrument :

BNA_F

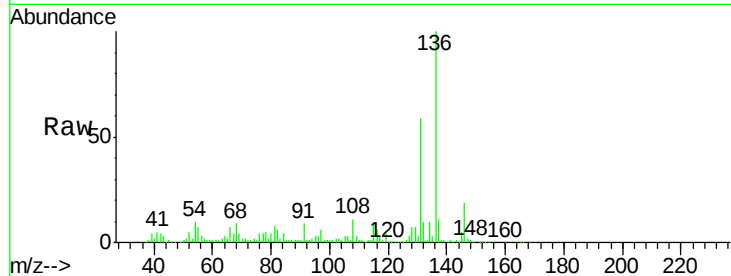
ClientSampleId :

MNR-BLDG 30-RW-1

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	528675		
137	11.5	9.3	13.9	
54	10.2	7.4	11.2	
68	9.0	6.0	9.0	

Manual Integrations
APPROVED

UMANGI
3/14/2016 10:45:45 AM



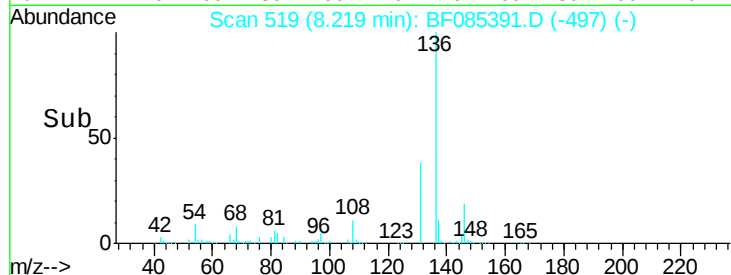
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

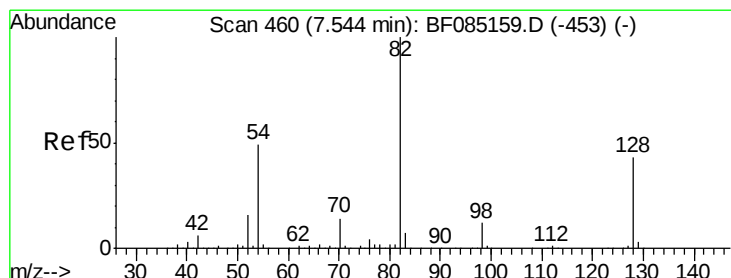
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

Time-->



Time-->



#23

Nitrobenzene-d5

Concen: 89.02 ng

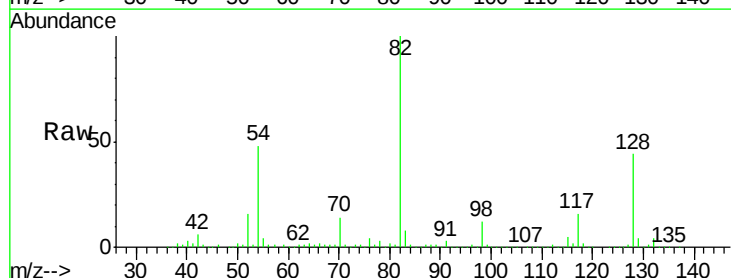
RT: 7.50 min Scan# 456

Delta R.T. -0.05 min

Lab File: BF085391.D

Acq: 12 Mar 2016 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	879519		
128	44.2	34.5	51.7	
54	47.5	39.3	58.9	

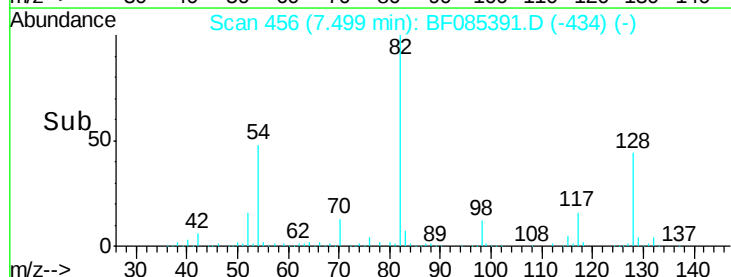


Abundance Ion 82.00 (81.70 to 82.70): BF0

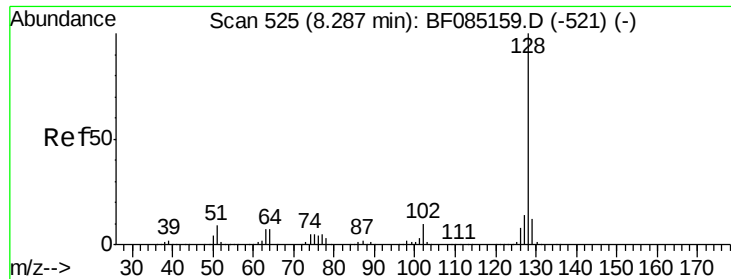
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->



Time-->



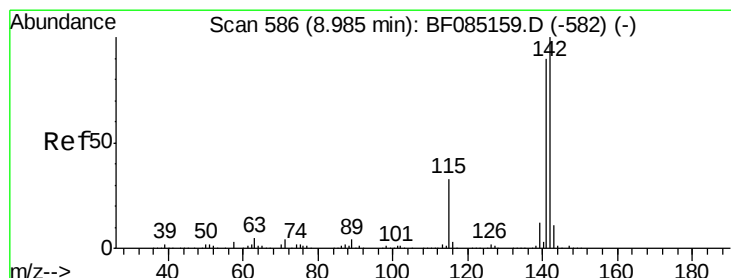
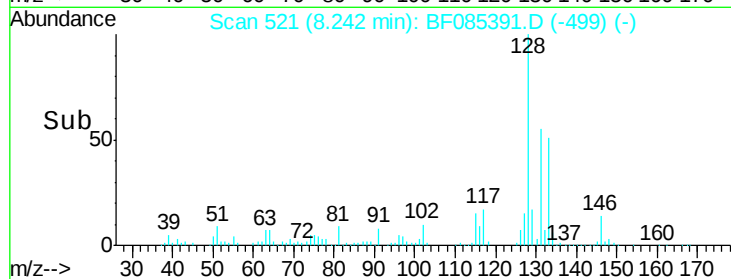
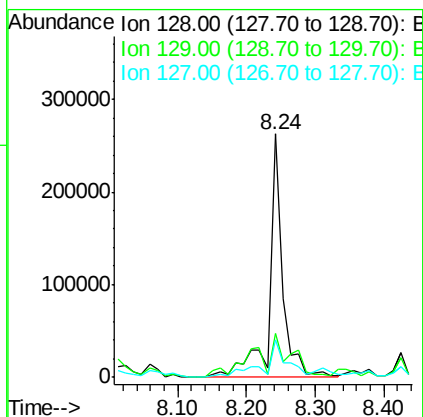
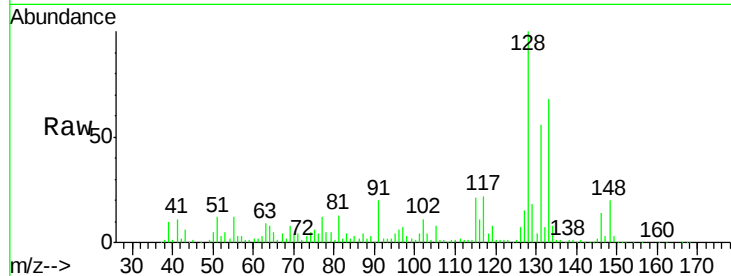
#31
Naphthalene
Concen: 13.65 ng
RT: 8.24 min Scan# 521
Delta R.T. -0.05 min
Lab File: BF085391.D
Acq: 12 Mar 2016 00:18

Instrument :
BNA_F
ClientSampleId :
MNR-BLDG 30-RW-1

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	354855		
129	17.9	9.7	14.5#	
127	15.2	11.2	16.8	

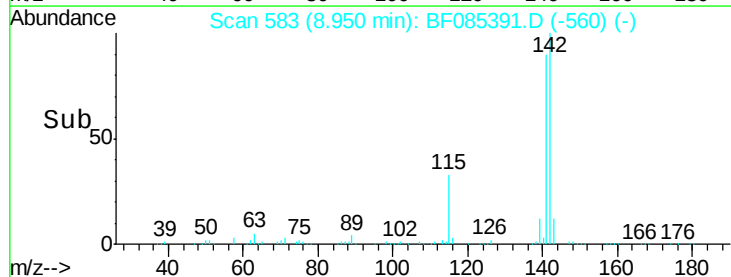
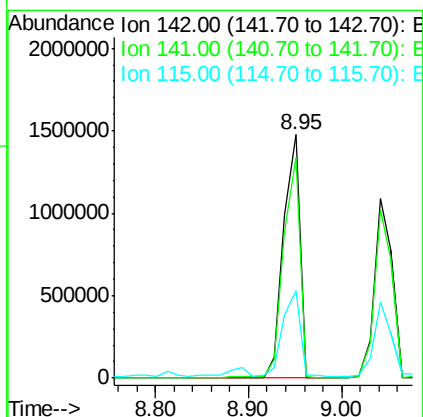
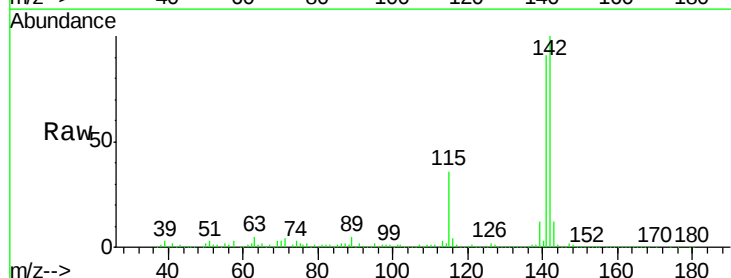
Manual Integrations
APPROVED

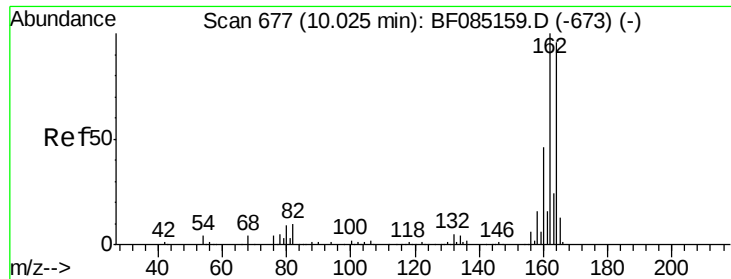
UMANGI
3/14/2016 10:45:45 AM



#37
2-Methylnaphthalene
Concen: 107.00 ng
RT: 8.95 min Scan# 583
Delta R.T. -0.03 min
Lab File: BF085391.D
Acq: 12 Mar 2016 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	1785054		
141	90.7	71.7	107.5	
115	35.7	26.2	39.4	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.98 min Scan# 673

Delta R.T. -0.05 min

Lab File: BF085391.D

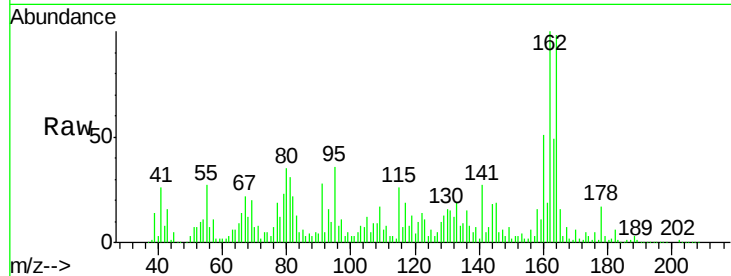
Acq: 12 Mar 2016 00:18

Instrument :

BNA_F

ClientSampleId :

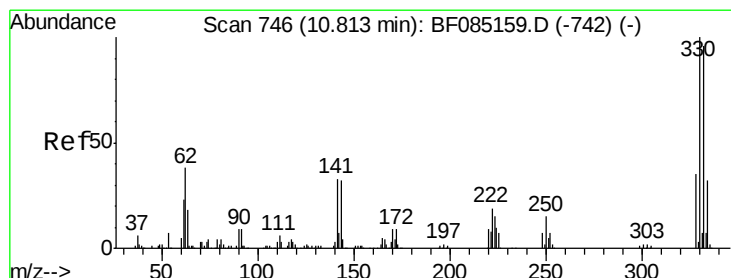
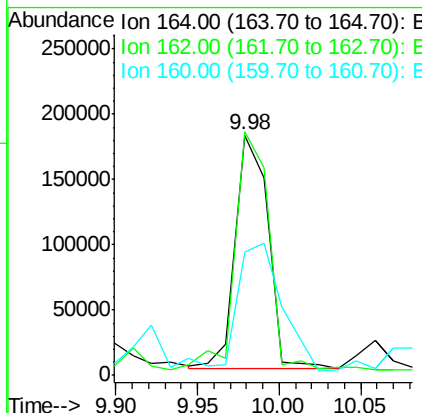
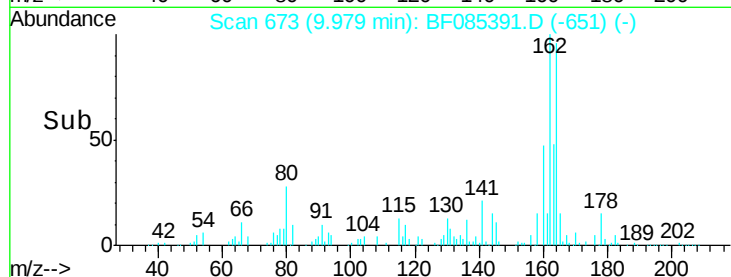
MNR-BLDG 30-RW-1



Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.5	83.3	124.9	
160	51.5	37.9	56.9	

Manual Integrations
APPROVED

UMANGI
3/14/2016 10:45:45 AM



#41

2,4,6-Tribromophenol

Concen: 132.50 ng

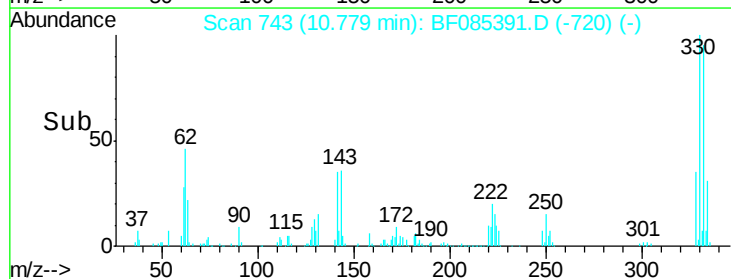
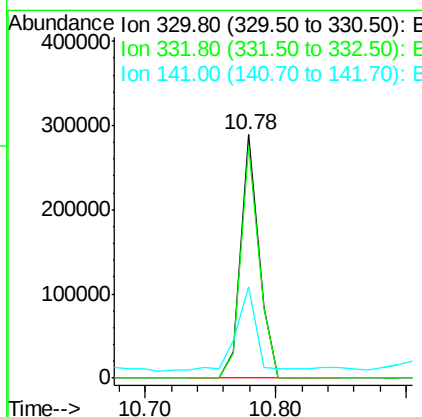
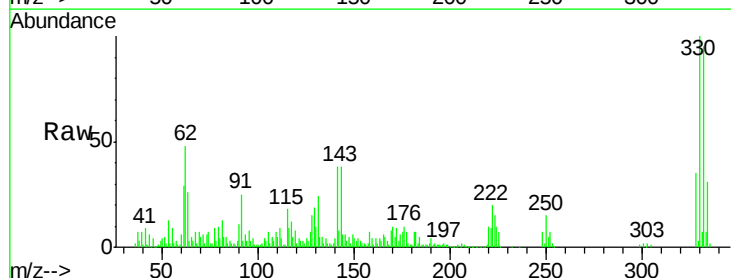
RT: 10.78 min Scan# 743

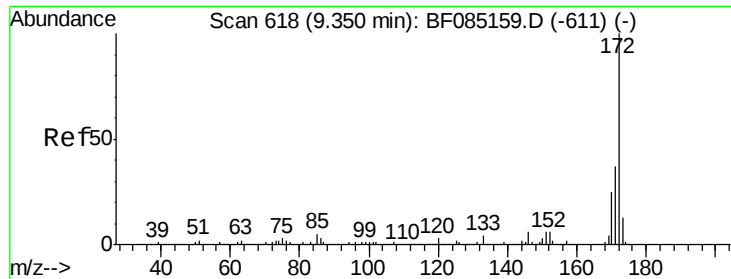
Delta R.T. -0.03 min

Lab File: BF085391.D

Acq: 12 Mar 2016 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	77.1	115.7	
141	40.8	35.0	52.6	





#44

2-Fluorobiphenyl

Concen: 82.13 ng

RT: 9.30 min Scan# 614

Delta R.T. -0.05 min

Lab File: BF085391.D

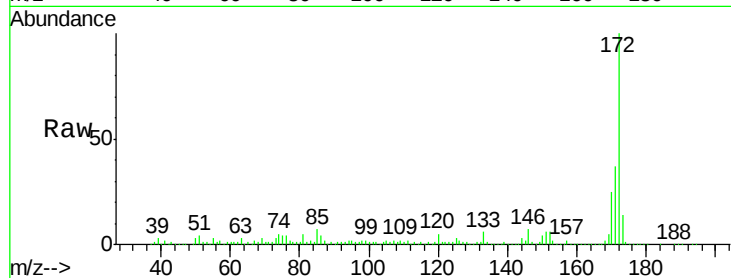
Acq: 12 Mar 2016 00:18

Instrument :

BNA_F

ClientSampleId :

MNR-BLDG 30-RW-1



Tgt Ion:172 Resp: 1323679

Ion Ratio Lower Upper

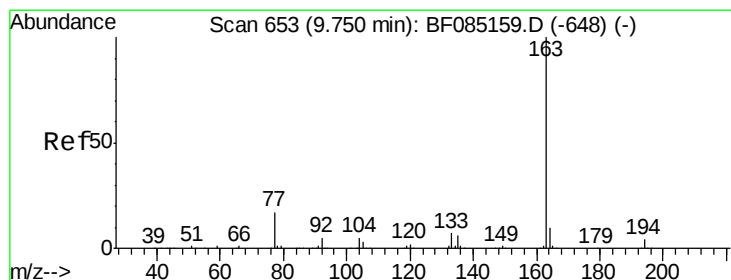
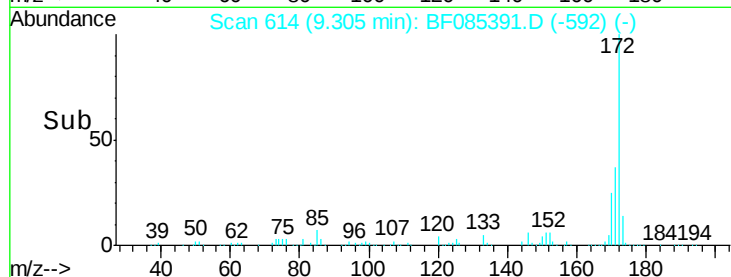
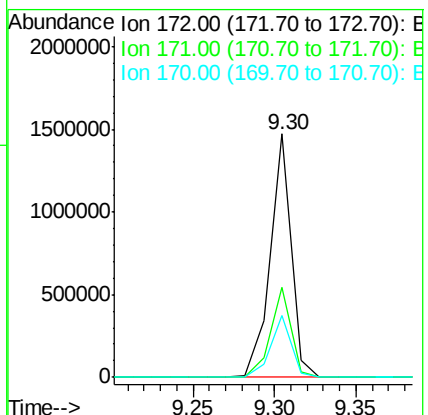
172 100

171 37.2 29.3 43.9

170 25.2 20.0 30.0

Manual Integrations
APPROVED

UMANGI
3/14/2016 10:45:45 AM



#49

Dimethylphthalate

Concen: 8.66 ng

RT: 9.70 min Scan# 649

Delta R.T. -0.05 min

Lab File: BF085391.D

Acq: 12 Mar 2016 00:18

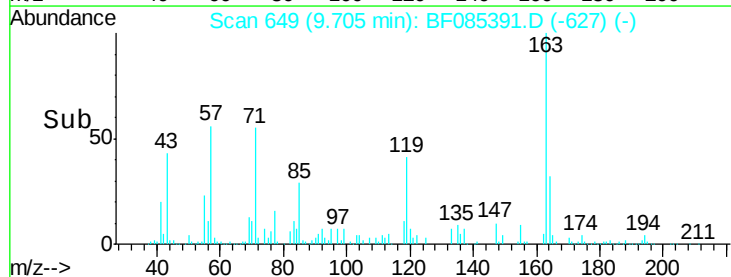
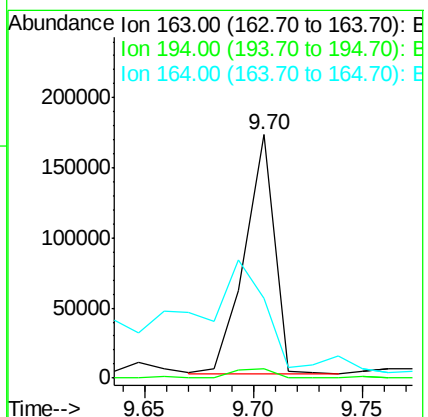
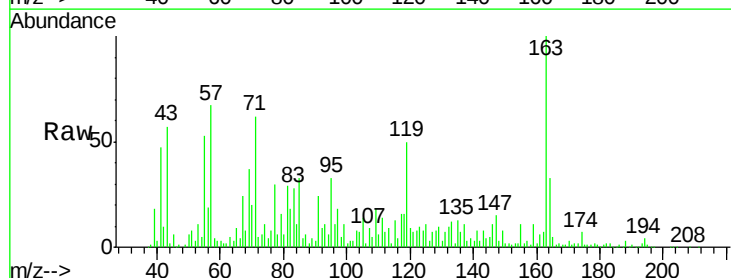
Tgt Ion:163 Resp: 162888

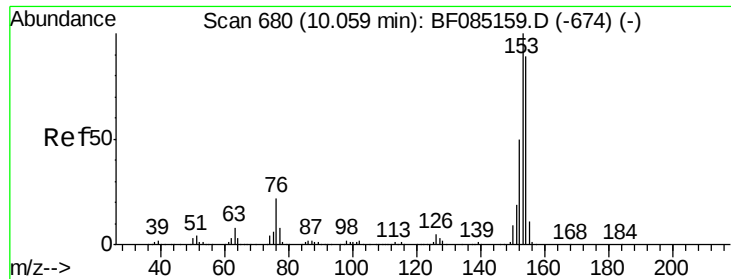
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 32.6 8.2 12.4#





#51

Acenaphthene

Concen: 5.16 ng

RT: 10.01 min Scan# 676

Delta R.T. -0.05 min

Lab File: BF085391.D

Acq: 12 Mar 2016 00:18

Instrument :

BNA_F

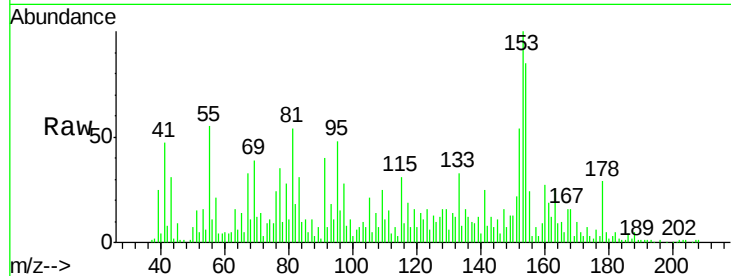
ClientSampleId :

MNR-BLDG 30-RW-1

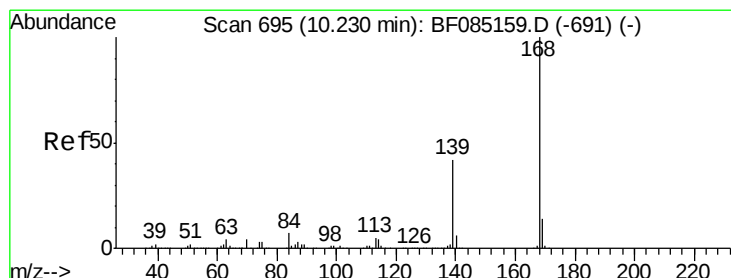
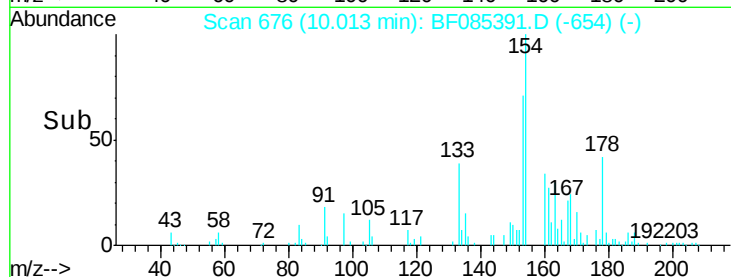
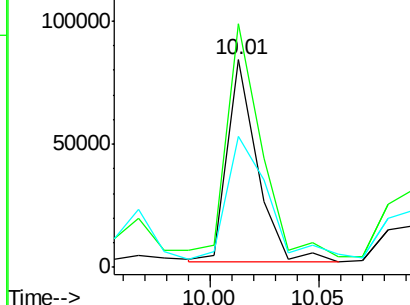
Tgt Ion:	154	Resp:	77843
Ion Ratio	Lower	Upper	
154	100		
153	117.3	89.8	134.8
152	62.9	44.6	66.8

Manual Integrations
APPROVED

UMANGI
3/14/2016 10:45:45 AM



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



#54

Dibenzofuran

Concen: 4.54 ng

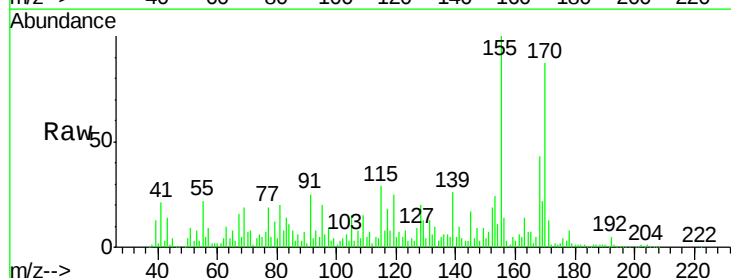
RT: 10.18 min Scan# 691

Delta R.T. -0.05 min

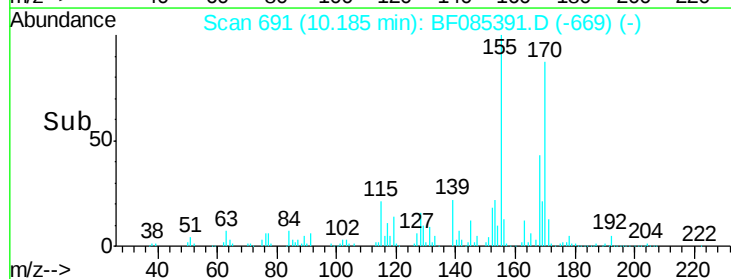
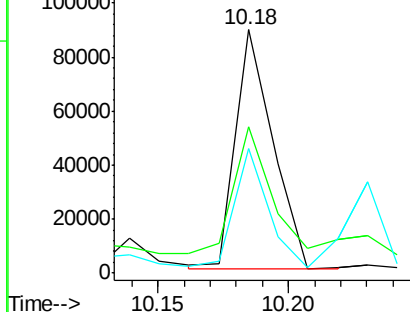
Lab File: BF085391.D

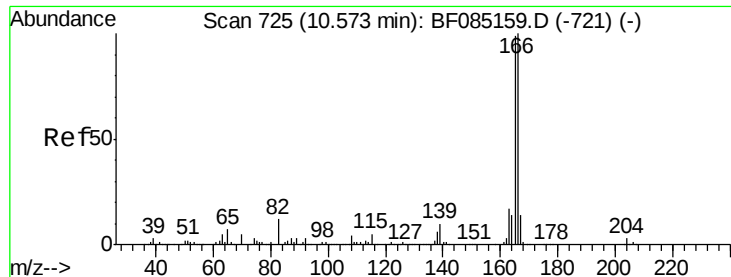
Acq: 12 Mar 2016 00:18

Tgt Ion:	168	Resp:	89714
Ion Ratio	Lower	Upper	
168	100		
139	60.3	33.6	50.4#
169	51.1	11.2	16.8#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 8.17 ng

RT: 10.53 min Scan# 721

Delta R.T. -0.05 min

Lab File: BF085391.D

Acq: 12 Mar 2016 00:18

Instrument :

BNA_F

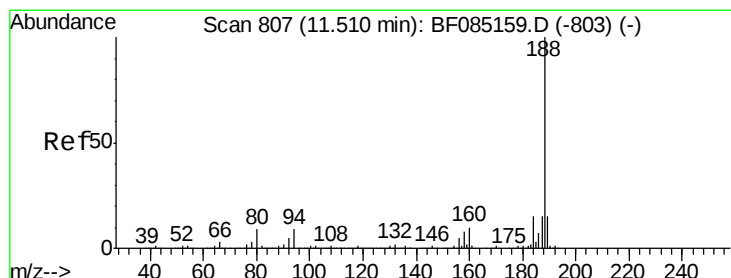
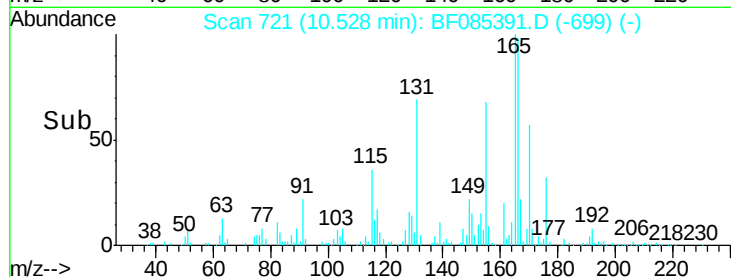
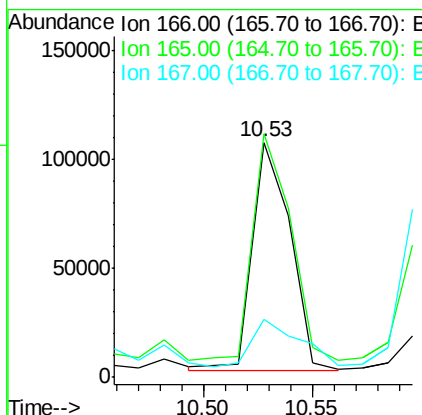
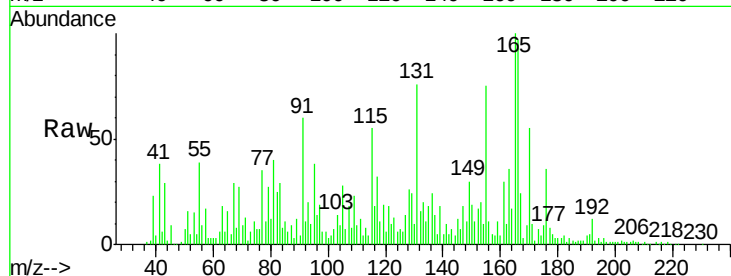
ClientSampleId :

MNR-BLDG 30-RW-1

Tgt Ion:	166	Resp:	126874
Ion Ratio	Lower	Upper	
166	100		
165	103.5	79.4	119.0
167	24.8	11.0	16.6#

Manual Integrations
APPROVED

UMANGI
3/14/2016 10:45:45 AM



#63

Phenanthrene-d10

Concen: 20.00 ng

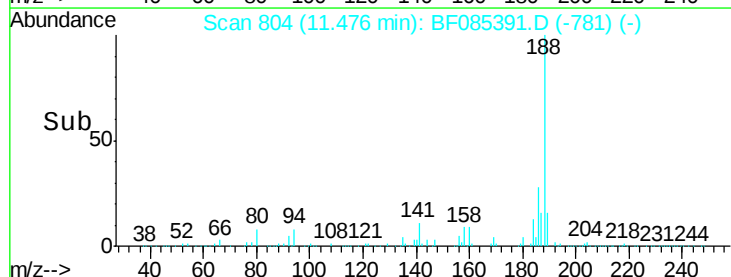
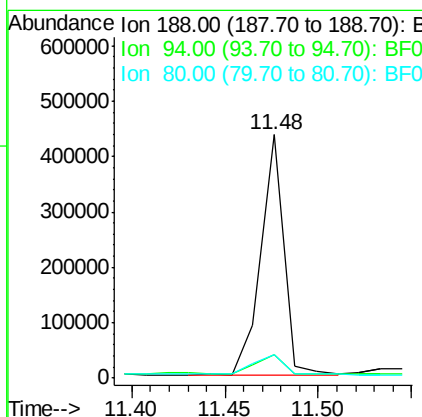
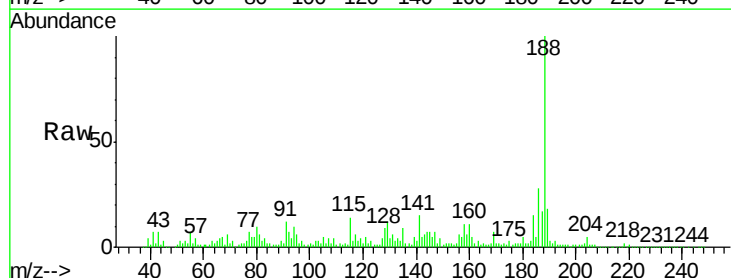
RT: 11.48 min Scan# 804

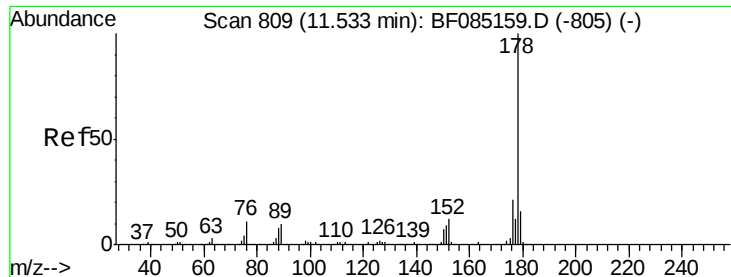
Delta R.T. -0.03 min

Lab File: BF085391.D

Acq: 12 Mar 2016 00:18

Tgt Ion:	188	Resp:	382799
Ion Ratio	Lower	Upper	
188	100		
94	9.9	7.0	10.6
80	9.9	7.4	11.0





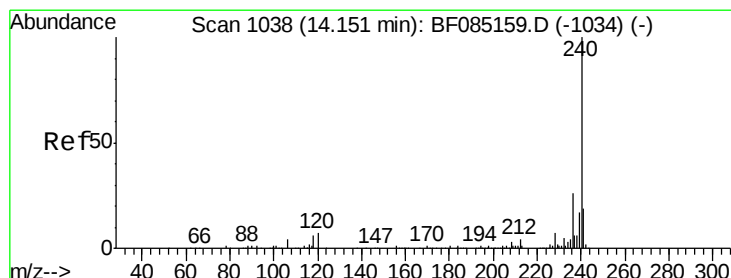
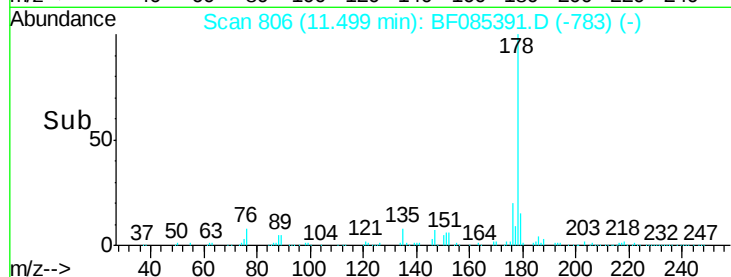
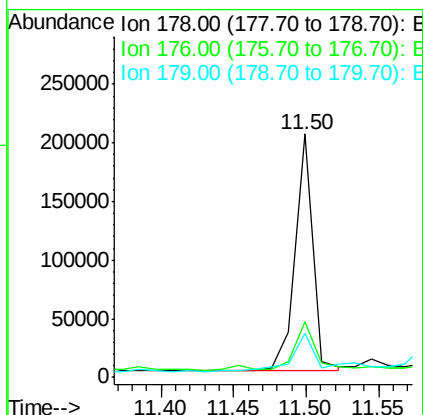
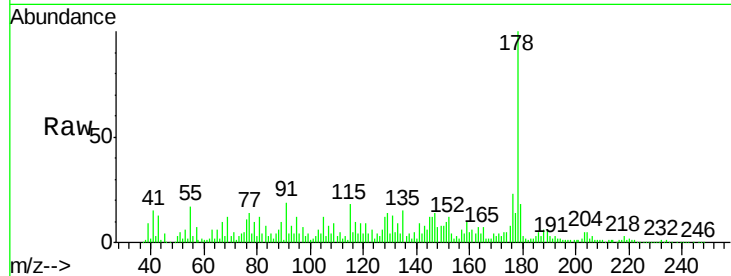
#70
Phenanthrene
Concen: 8.60 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.03 min
Lab File: BF085391.D
Acq: 12 Mar 2016 00:18

Instrument :
BNA_F
ClientSampleId :
MNR-BLDG 30-RW-1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.9	16.8	25.2
179	18.0	13.1	19.7

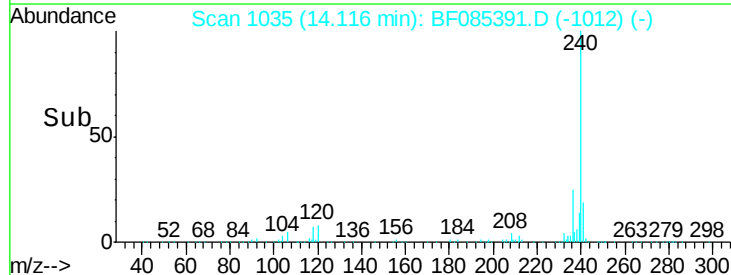
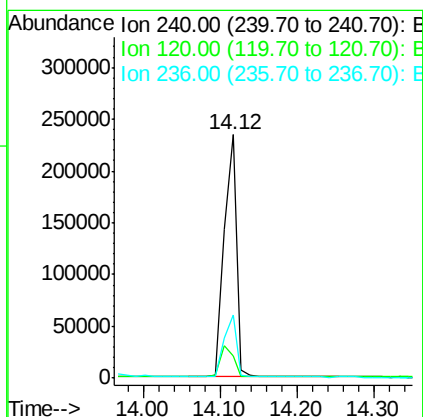
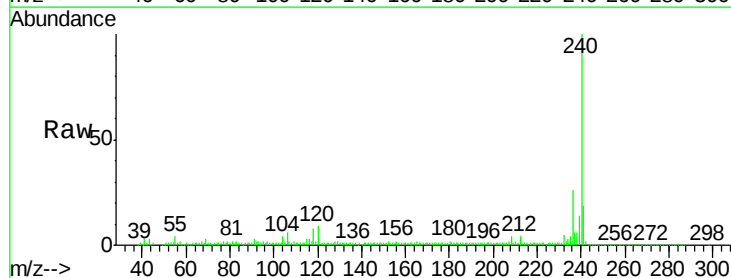
Manual Integrations
APPROVED

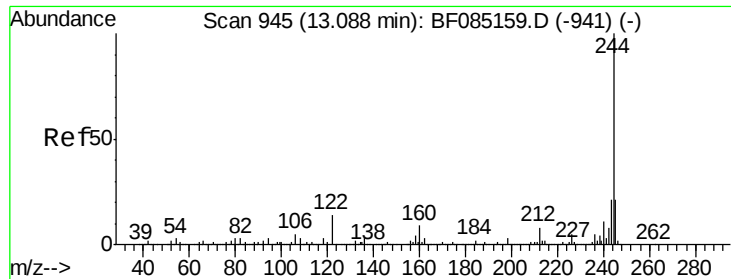
UMANGI
3/14/2016 10:45:45 AM



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.12 min Scan# 1035
Delta R.T. -0.03 min
Lab File: BF085391.D
Acq: 12 Mar 2016 00:18

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.0	5.3	7.9#
236	26.2	20.7	31.1





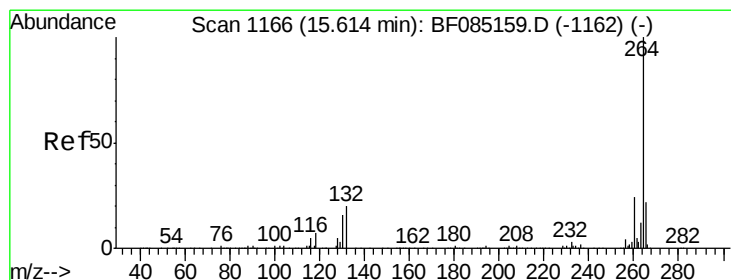
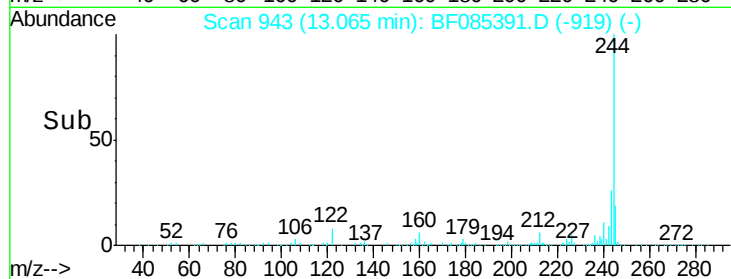
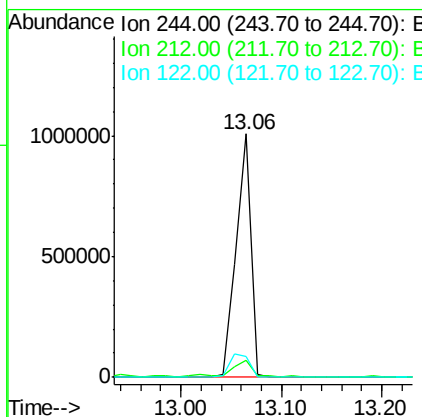
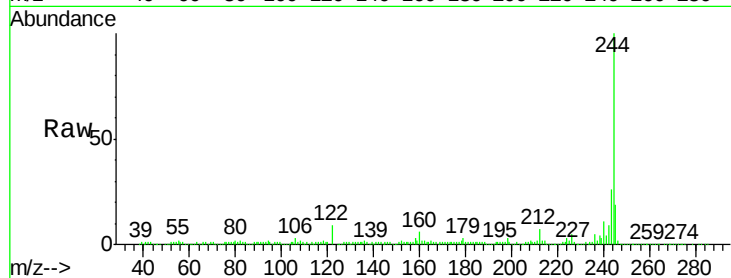
#78
 Terphenyl-d14
 Concen: 89.46 ng
 RT: 13.06 min Scan# 943
 Delta R.T. -0.02 min
 Lab File: BF085391.D
 Acq: 12 Mar 2016 00:18

Instrument :
 BNA_F
 ClientSampleId :
 MNR-BLDG 30-RW-1

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.4	9.6
122	8.5	11.4	17.2#

Manual Integrations
 APPROVED

UMANGI
 3/14/2016 10:45:45 AM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.58 min Scan# 1163
 Delta R.T. -0.03 min
 Lab File: BF085391.D
 Acq: 12 Mar 2016 00:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.3	17.3	25.9

