

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082316\
 Data File : BF089842.D
 Acq On : 23 Aug 2016 18:31
 Operator : UM/SJ
 Sample : H4547-19
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-14(2-2.5)

Manual Integrations
 APPROVED

UMANGI
 8/25/2016 5:22:41 PM

Quant Time: Aug 25 13:57:13 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	403260m	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	1425200	20.00	ng	-0.01
38) Acenaphthene-d10	9.70	164	805286	20.00	ng	-0.01
63) Phenanthrene-d10	11.18	188	1445568	20.00	ng	-0.01
75) Chrysene-d12	13.82	240	1247571	20.00	ng	-0.06
86) Perylene-d12	15.26	264	1074957	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	351976m	14.97	ng	0.00
7) Phenol-d6	6.31	99	1437252	49.79	ng	-0.01
23) Nitrobenzene-d5	7.24	82	851189	37.10	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	405424	52.98	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	1959504	42.77	ng	-0.01
78) Terphenyl-d14	12.77	244	1631761	29.59	ng	-0.02
Target Compounds						
10) Phenol	6.32	94	87949	2.60	ng	Qvalue 92
31) Naphthalene	7.99	128	6833632	102.59	ng	# 93
37) 2-Methylnaphthalene	8.67	142	5060386m	117.43	ng	
45) 1,1'-Biphenyl	9.13	154	143385	2.30	ng	98
49) Dimethylphthalate	9.43	163	602243	10.62	ng	100

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

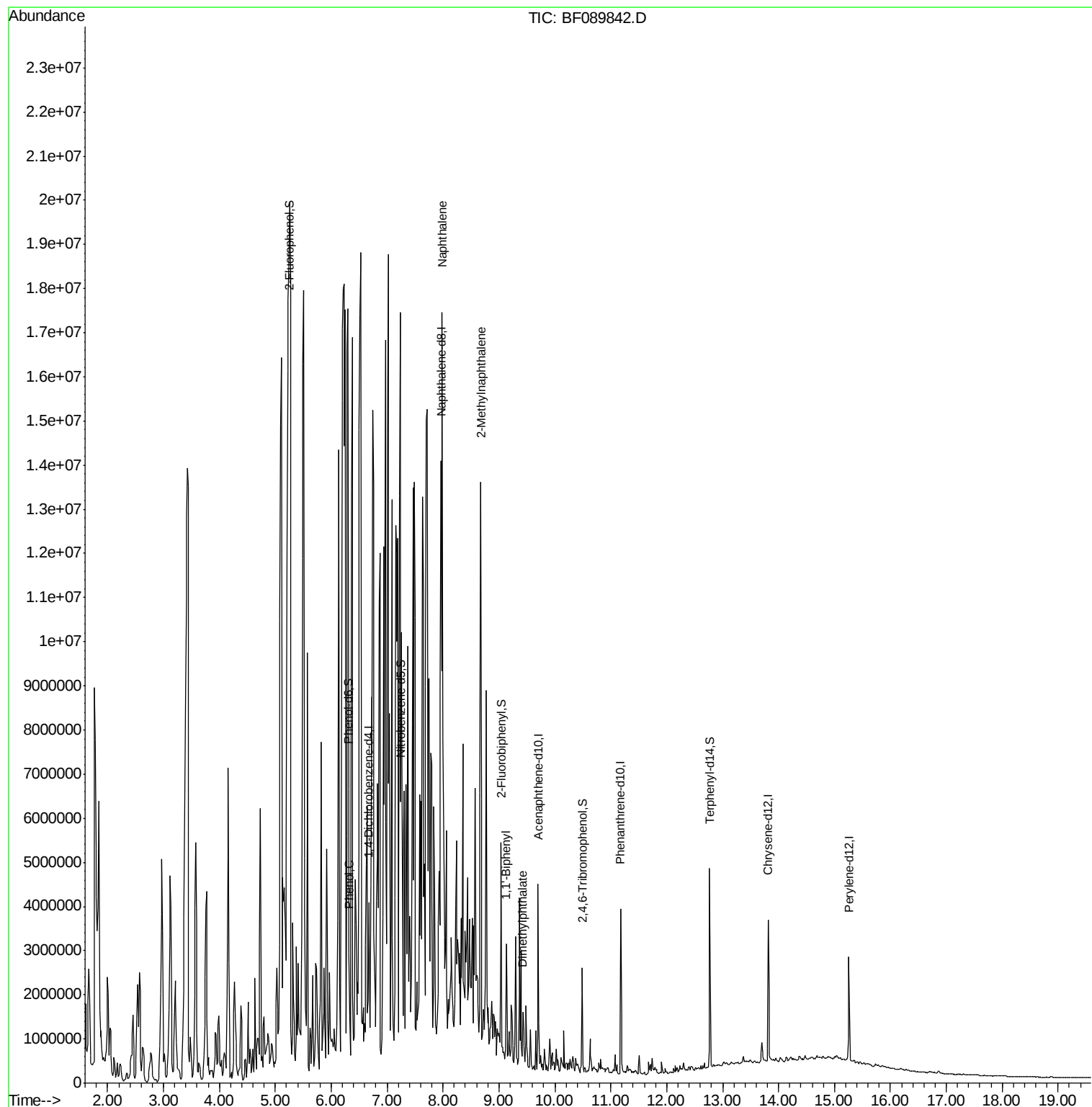
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082316\
Data File : BF089842.D
Acq On : 23 Aug 2016 18:31
Operator : UM/SJ
Sample : H4547-19
Misc :
ALS Vial : 59 Sample Multiplier: 1

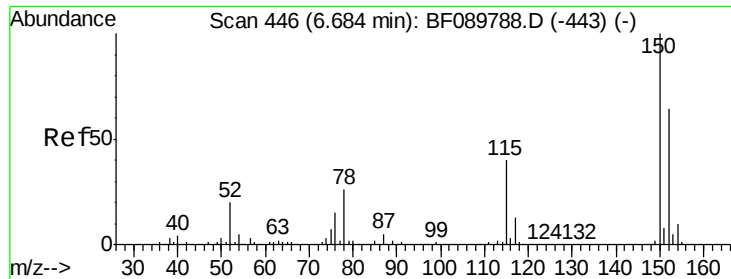
Instrument :
BNA_F
ClientSampleId :
D-14(2-2.5)

Manual Integrations
APPROVED

UMANGI
8/25/2016 5:22:41 PM

Quant Time: Aug 25 13:57:13 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 19 14:02:57 2016
Response via : Initial Calibration





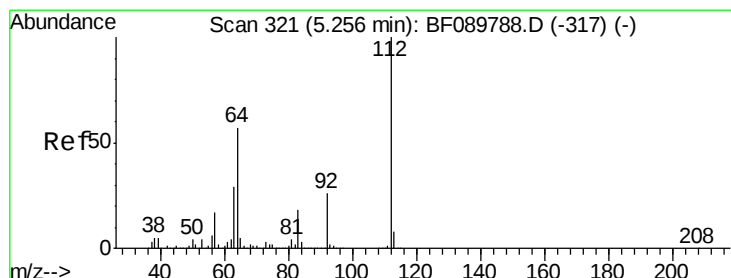
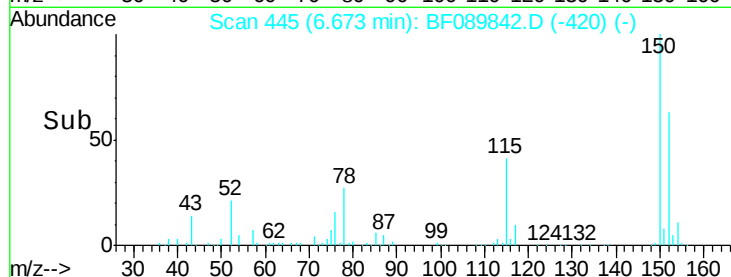
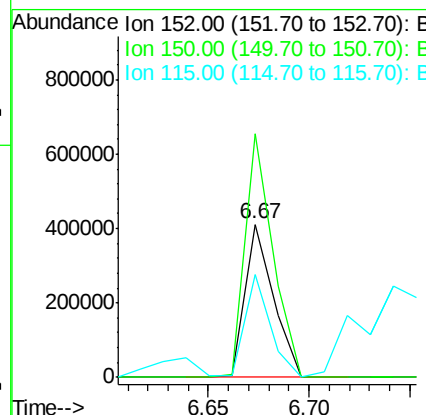
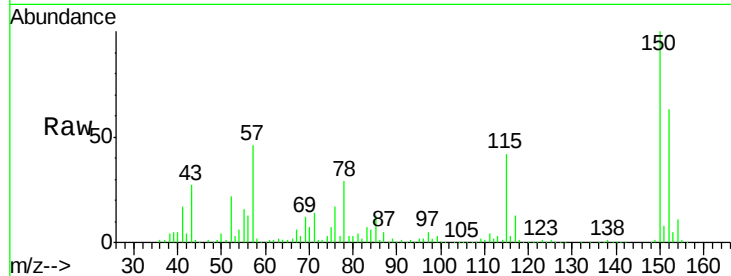
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng m
 RT: 6.67 min Scan# 445
 Delta R.T. -0.01 min
 Lab File: BF089842.D
 Acq: 23 Aug 2016 18:31

Instrument :
 BNA_F
 ClientSampleId :
 D-14(2-2.5)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.0	125.3	187.9
115	67.0	40.9	61.3

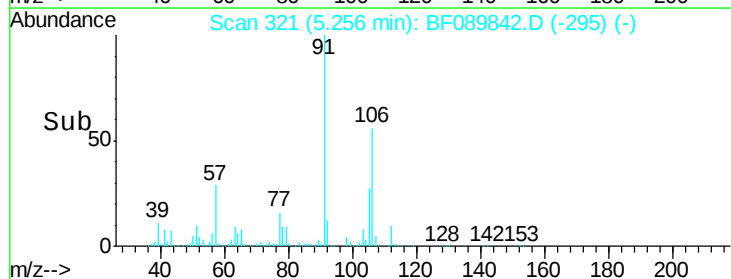
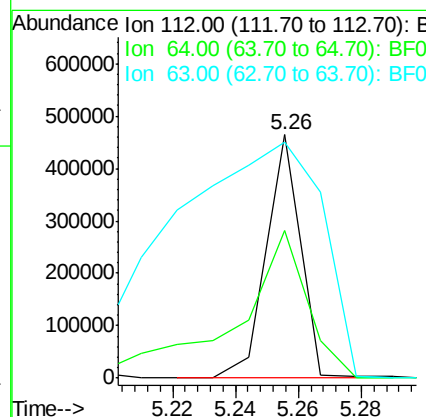
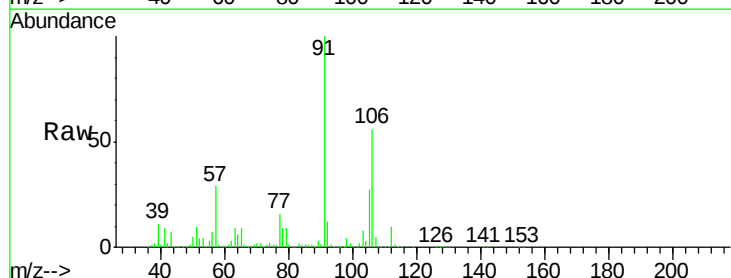
Manual Integrations
 APPROVED

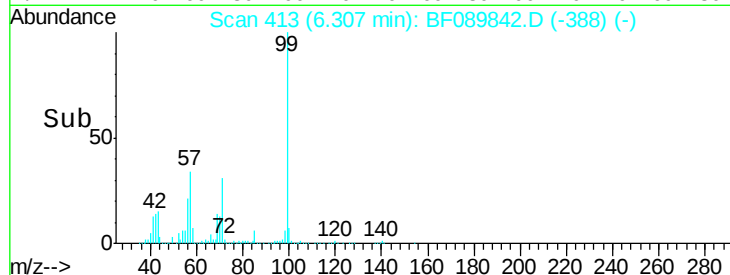
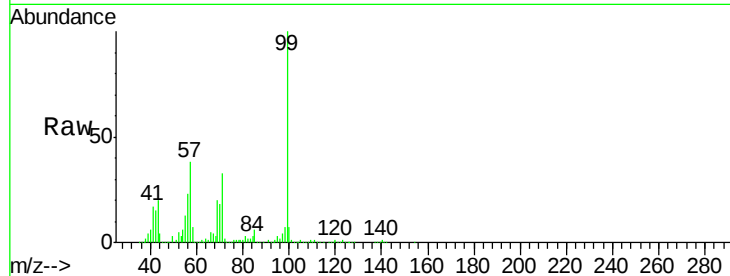
UMANGI
 8/25/2016 5:22:41 PM



#5
 2-Fluorophenol
 Concen: 14.97 ng m
 RT: 5.26 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: BF089842.D
 Acq: 23 Aug 2016 18:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	45.0	67.4
63	96.8	23.1	34.7





#7

Phenol-d6

Concen: 49.79 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF089842.D

Acq: 23 Aug 2016 18:31

Tgt Ion:	99	Resp:	1437252
Ion	Ratio	Lower	Upper
99	100		
42	14.9	12.2	18.4
71	32.7	23.8	35.8

Instrument :

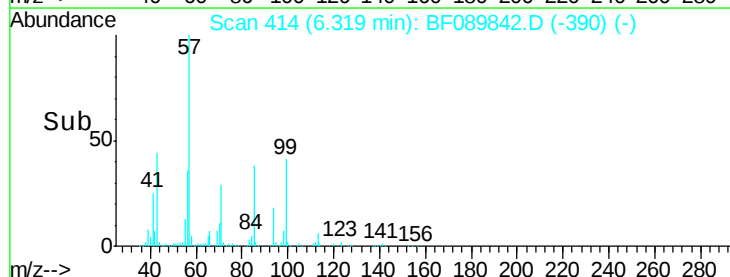
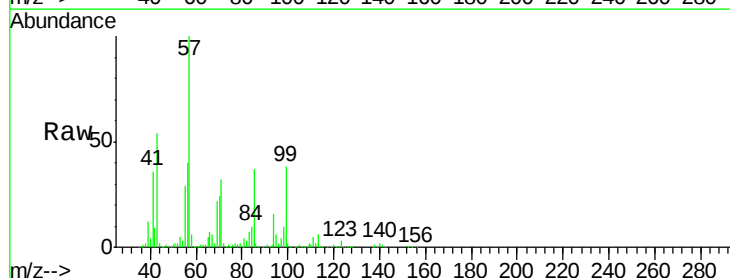
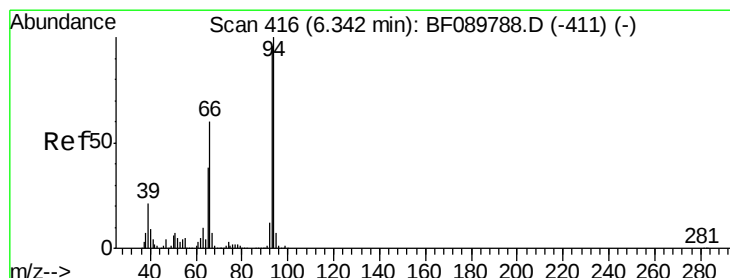
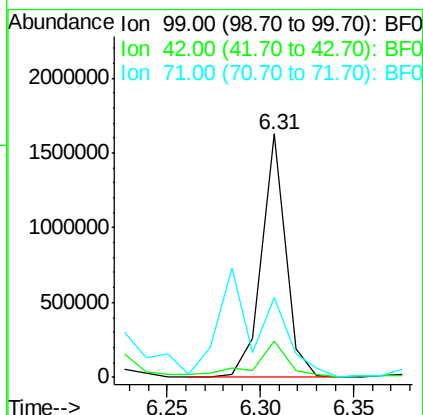
BNA_F

ClientSampleId :

D-14(2-2.5)

Manual Integrations
APPROVED

UMANGI
8/25/2016 5:22:41 PM



#10

Phenol

Concen: 2.60 ng

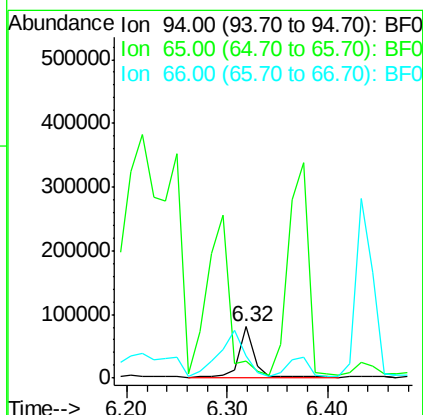
RT: 6.32 min Scan# 414

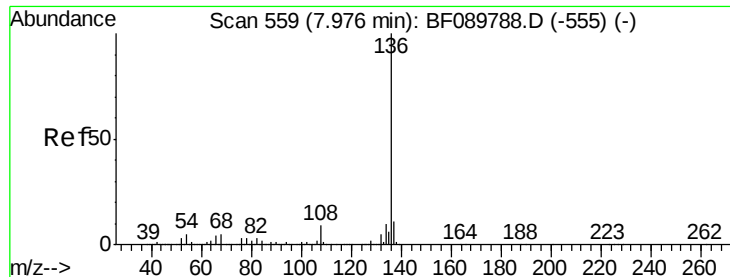
Delta R.T. -0.02 min

Lab File: BF089842.D

Acq: 23 Aug 2016 18:31

Tgt Ion:	94	Resp:	87949
Ion	Ratio	Lower	Upper
94	100		
65	32.8	14.0	54.0
66	43.0	31.2	71.2





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.01 min

Lab File: BF089842.D

Acq: 23 Aug 2016 18:31

Instrument :

BNA_F

ClientSampleId :

D-14(2-2.5)

Tgt Ion: 136 Resp: 1425200

Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

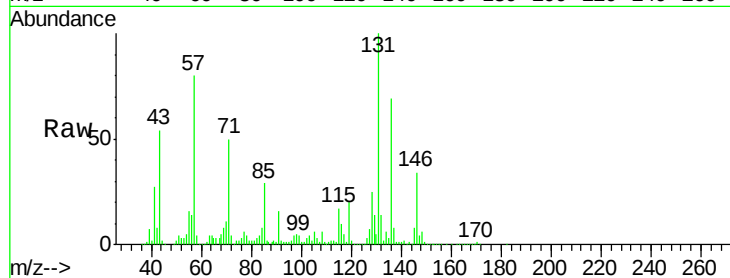
54 7.2 7.2 10.8#

68 6.6 5.8 8.8

Manual Integrations
APPROVED

UMANGI

8/25/2016 5:22:41 PM

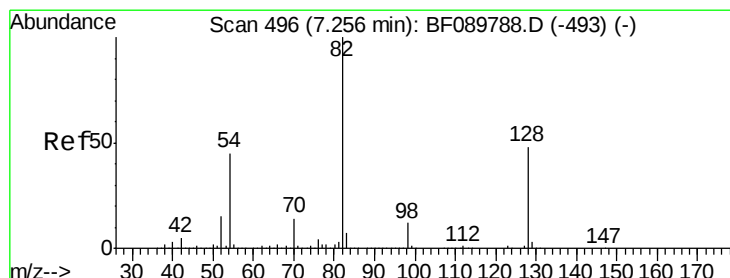
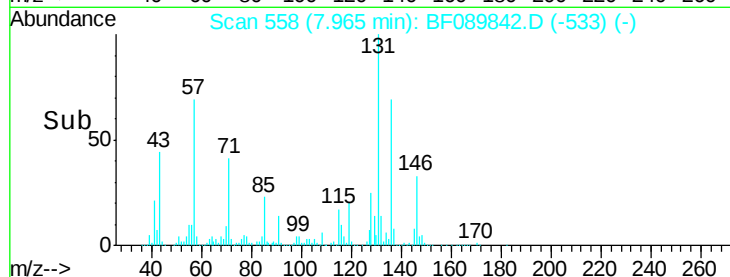
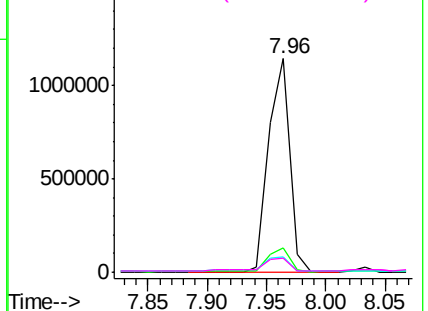


Abundance Ion 136.00 (135.70 to 136.70): E

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: 37.10 ng

RT: 7.24 min Scan# 495

Delta R.T. -0.01 min

Lab File: BF089842.D

Acq: 23 Aug 2016 18:31

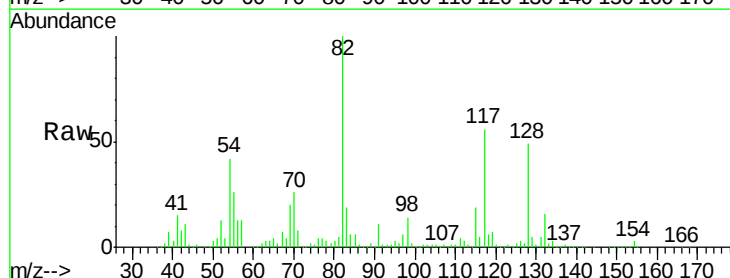
Tgt Ion: 82 Resp: 851189

Ion Ratio Lower Upper

82 100

128 48.6 34.4 51.6

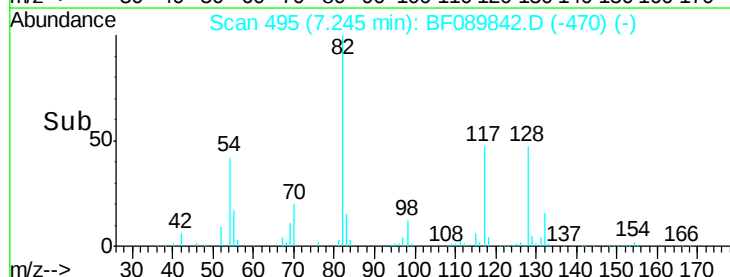
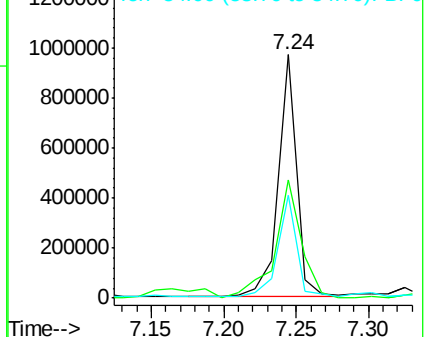
54 42.4 40.3 60.5

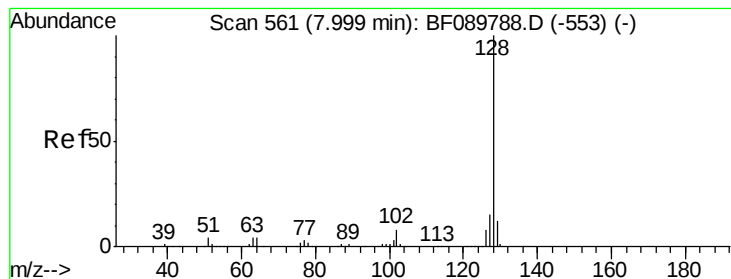


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 102.59 ng

RT: 7.99 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF089842.D

Acq: 23 Aug 2016 18:31

Instrument :

BNA_F

ClientSampleId :

D-14(2-2.5)

Tgt Ion:128 Resp: 6833632

Ion Ratio Lower Upper

128 100

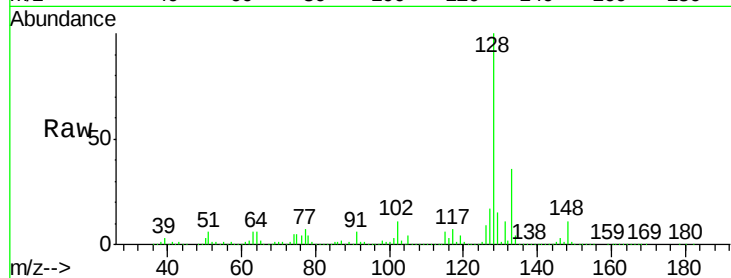
129 15.2 9.5 14.3#

127 16.6 11.3 16.9

Manual Integrations
APPROVED

UMANGI

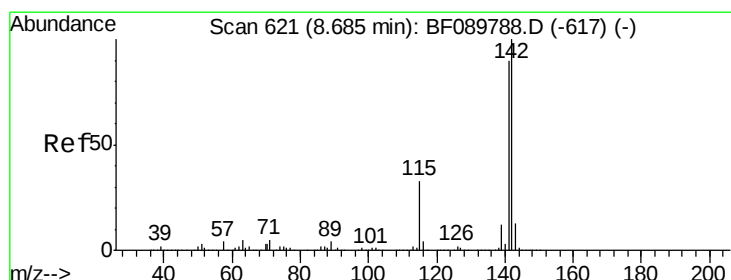
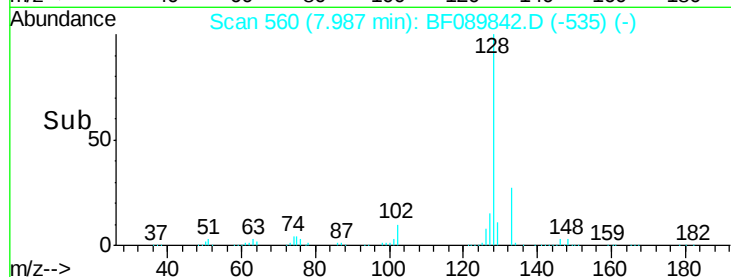
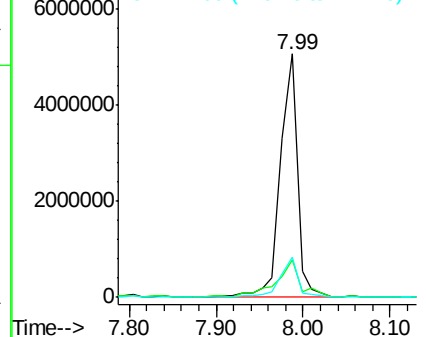
8/25/2016 5:22:41 PM



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



#37

2-Methylnaphthalene

Concen: 117.43 ng m

RT: 8.67 min Scan# 620

Delta R.T. -0.01 min

Lab File: BF089842.D

Acq: 23 Aug 2016 18:31

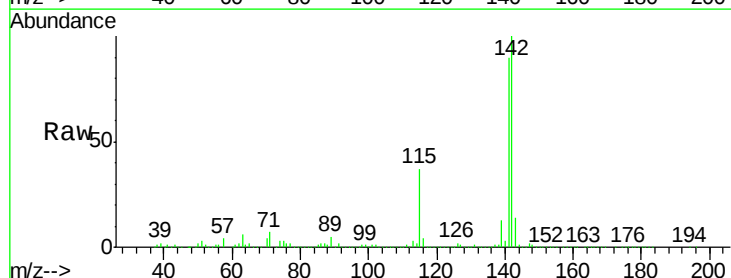
Tgt Ion:142 Resp: 5060386

Ion Ratio Lower Upper

142 100

141 90.5 71.4 107.2

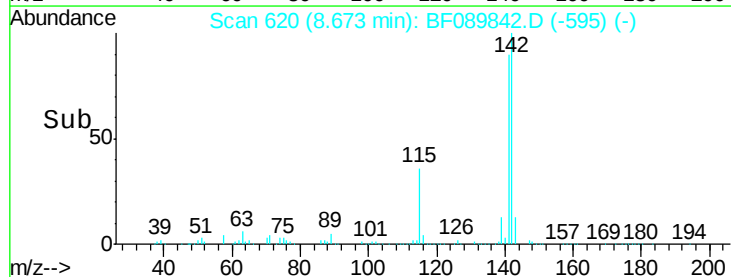
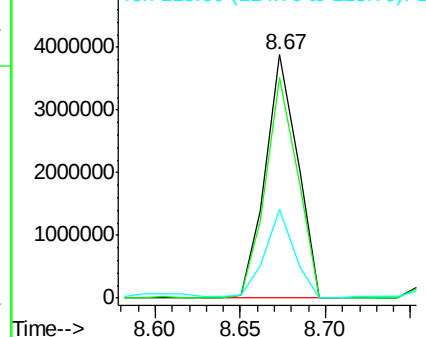
115 36.6 22.7 34.1#

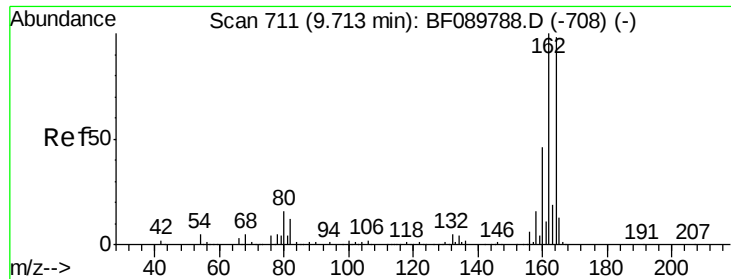


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





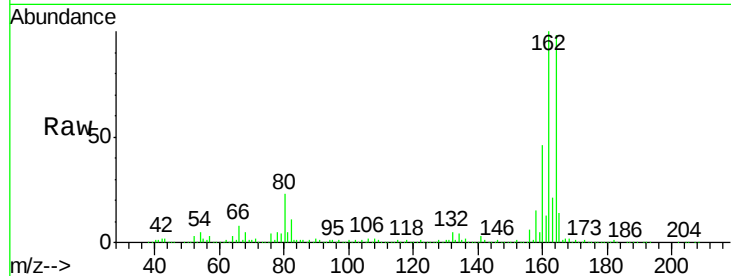
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.01 min
Lab File: BF089842.D
Acq: 23 Aug 2016 18:31

Instrument :
BNA_F
ClientSampleId :
D-14(2-2.5)

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	805286		
162	102.1	81.4	122.2	
160	46.7	37.8	56.6	

Manual Integrations
APPROVED

UMANGI
8/25/2016 5:22:41 PM

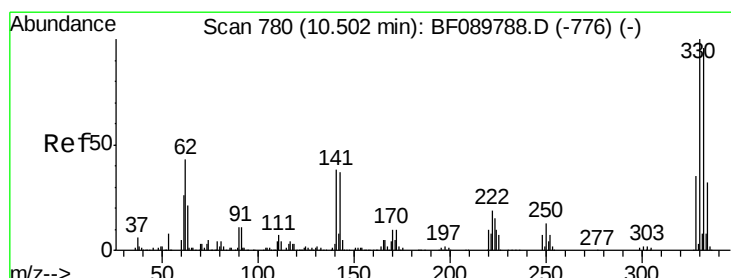
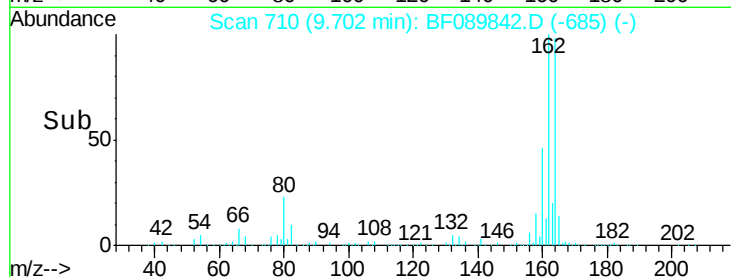
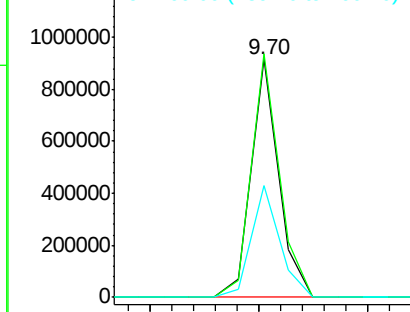


Abundance

Ion 164.00 (163.70 to 164.70): E

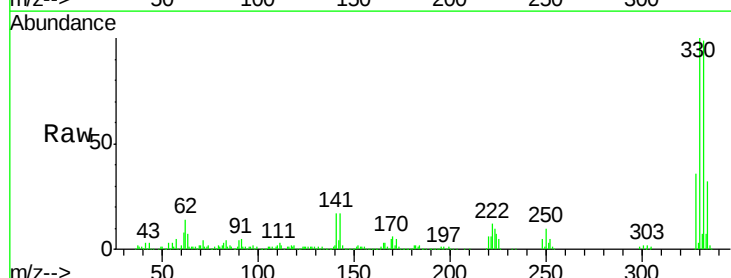
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41
2,4,6-Tribromophenol
Concen: 52.98 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF089842.D
Acq: 23 Aug 2016 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	405424		
332	98.2	76.7	115.1	
141	32.2	30.2	45.2	

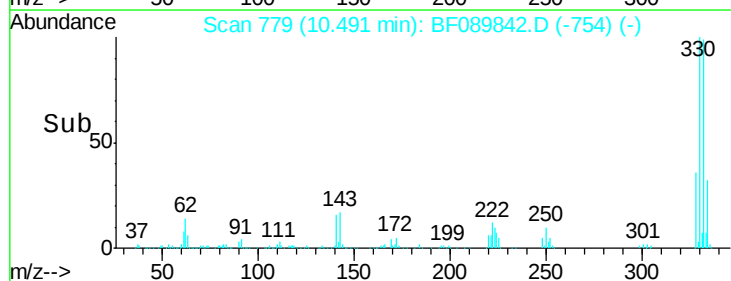
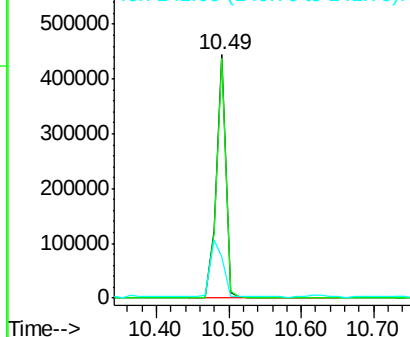


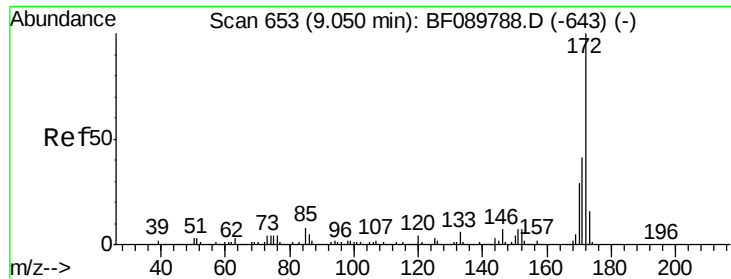
Abundance

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





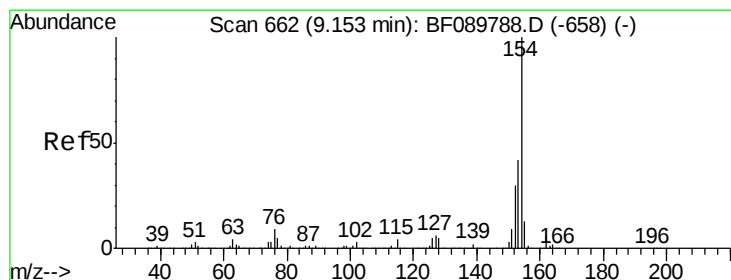
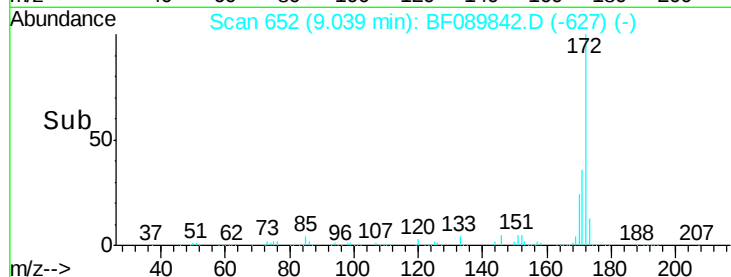
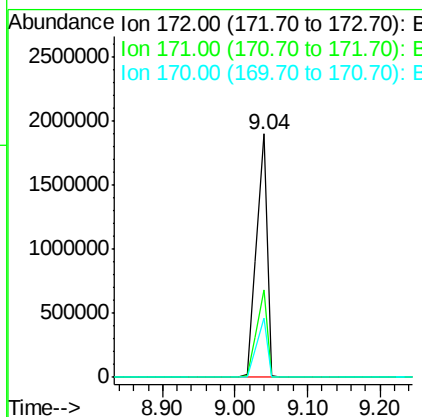
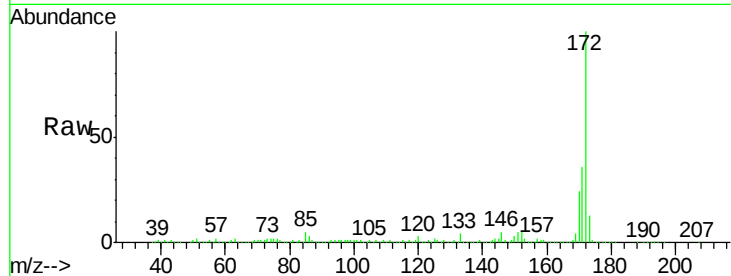
#44
2-Fluorobiphenyl
Concen: 42.77 ng
RT: 9.04 min Scan# 652
Delta R.T. -0.01 min
Lab File: BF089842.D
Acq: 23 Aug 2016 18:31

Instrument :
BNA_F
ClientSampleId :
D-14(2-2.5)

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	30.5	45.7
170	24.1	20.6	31.0

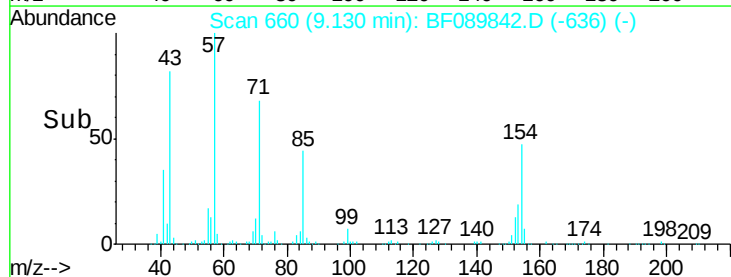
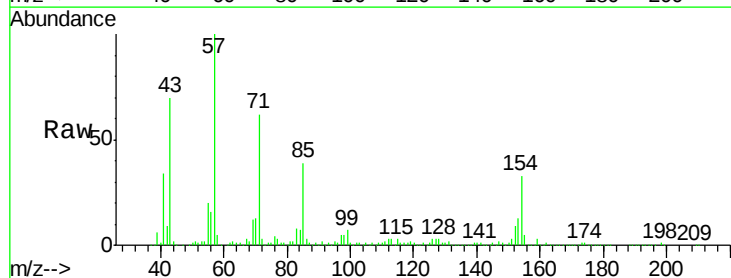
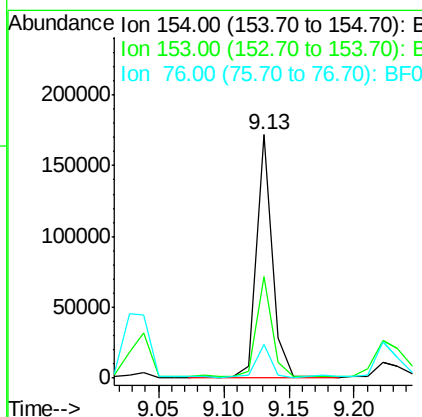
Manual Integrations
APPROVED

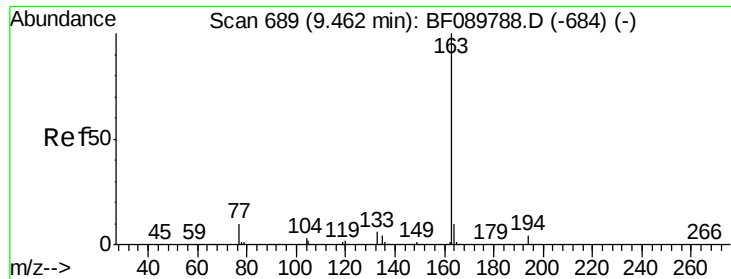
UMANGI
8/25/2016 5:22:41 PM



#45
1,1'-Biphenyl
Concen: 2.30 ng
RT: 9.13 min Scan# 660
Delta R.T. -0.02 min
Lab File: BF089842.D
Acq: 23 Aug 2016 18:31

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	21.5	61.5
76	13.7	0.0	36.7





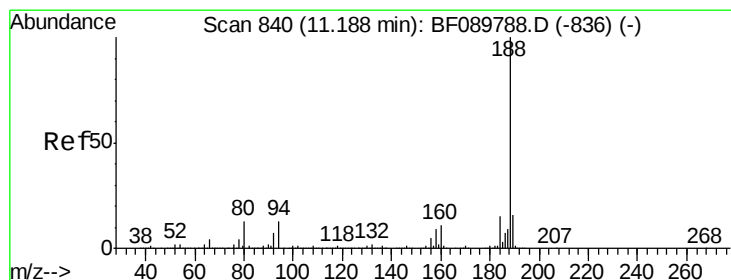
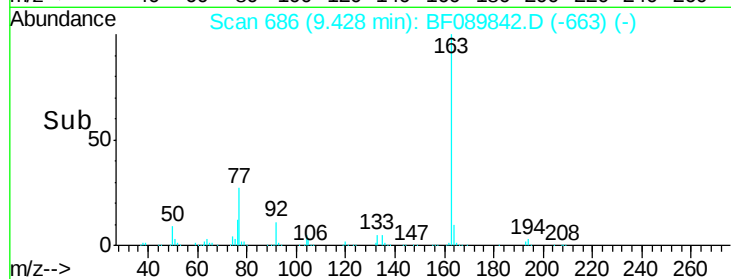
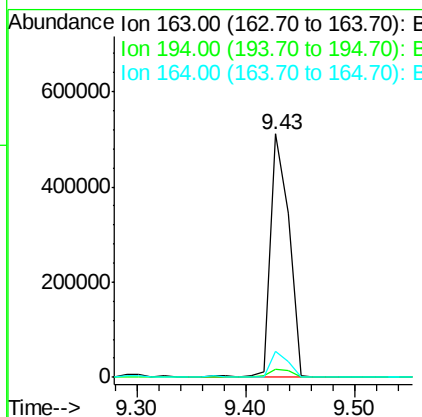
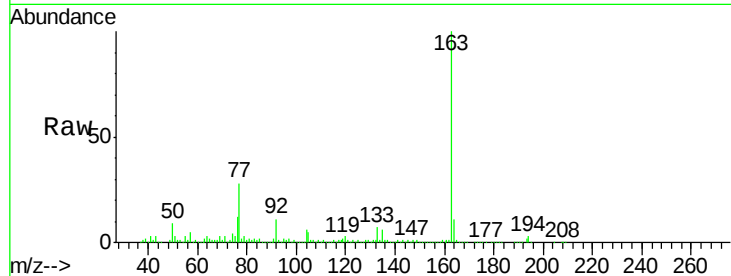
#49
Dimethylphthalate
Concen: 10.62 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.03 min
Lab File: BF089842.D
Acq: 23 Aug 2016 18:31

Instrument :
BNA_F
ClientSampleId :
D-14(2-2.5)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	602243		
194	3.2	2.6	3.8	
164	10.8	8.6	12.8	

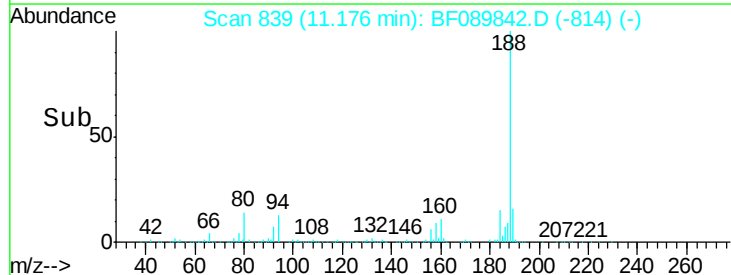
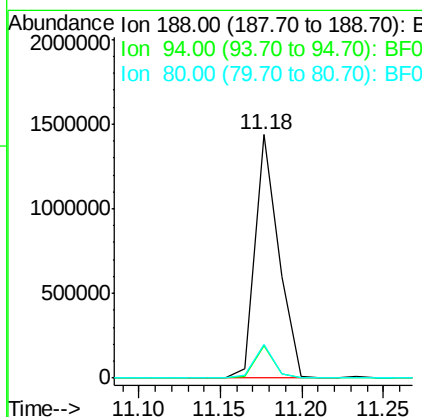
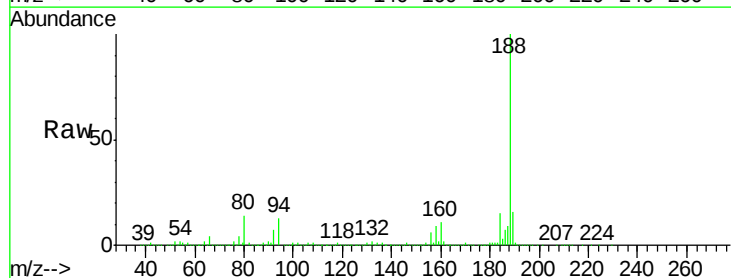
Manual Integrations
APPROVED

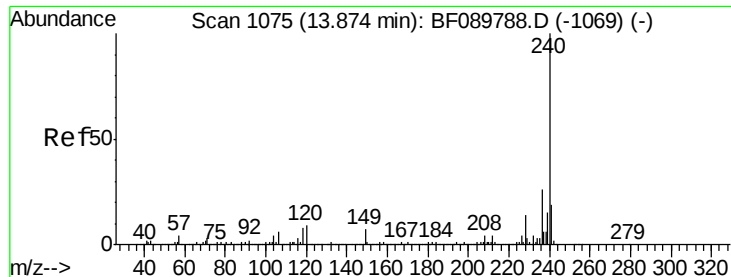
UMANGI
8/25/2016 5:22:41 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF089842.D
Acq: 23 Aug 2016 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	1445568		
94	13.3	10.2	15.2	
80	13.8	10.9	16.3	





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.06 min

Lab File: BF089842.D

Acq: 23 Aug 2016 18:31

Instrument :

BNA_F

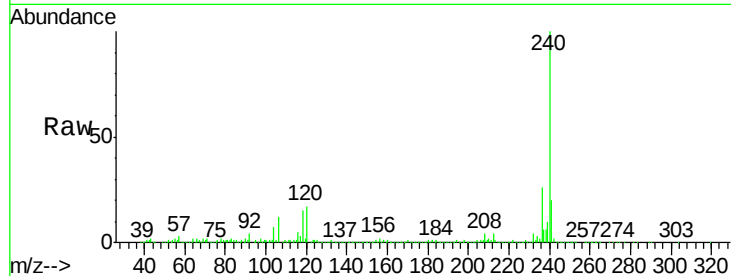
ClientSampled :

D-14(2-2.5)

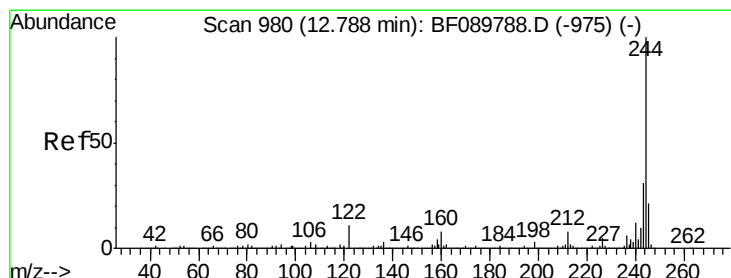
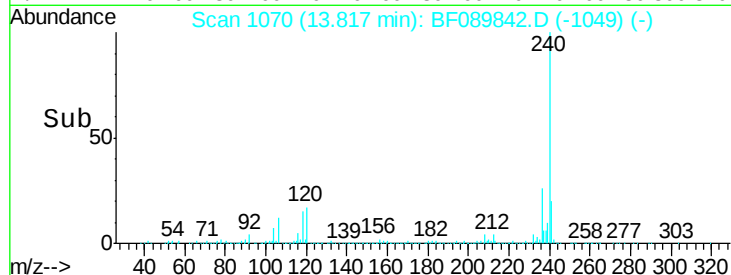
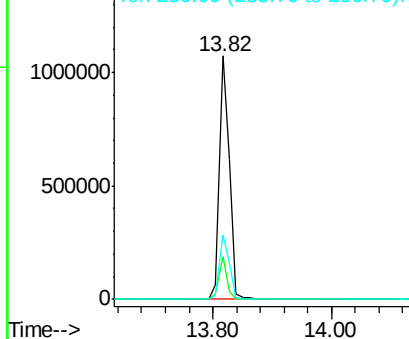
Tgt Ion	Ratio	Lower	Upper
240	100		
120	17.5	8.3	12.5#
236	26.4	21.3	31.9

Manual Integrations
APPROVED

UMANGI
8/25/2016 5:22:41 PM



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: 29.59 ng

RT: 12.77 min Scan# 978

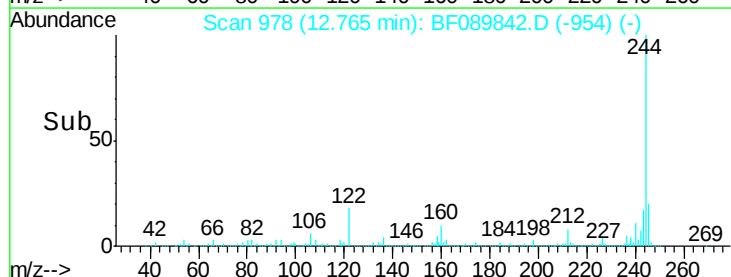
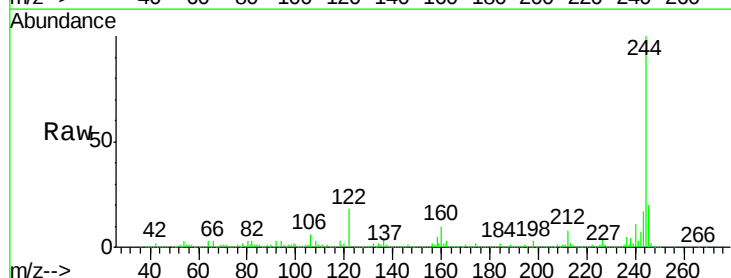
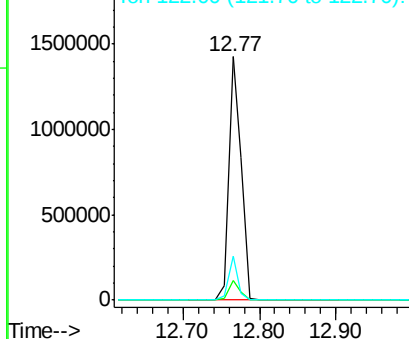
Delta R.T. -0.02 min

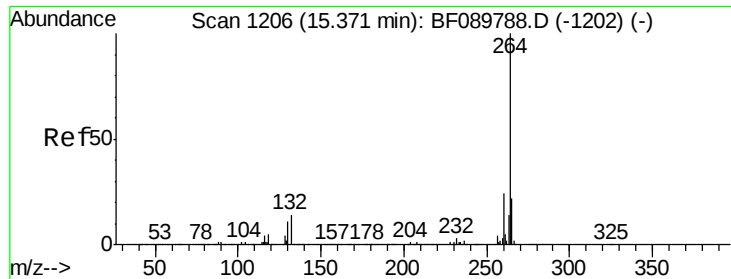
Lab File: BF089842.D

Acq: 23 Aug 2016 18:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.3	9.5
122	18.1	12.0	18.0#

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: 15.26 min Scan# 1196
Delta R.T. -0.11 min
Lab File: BF089842.D
Acq: 23 Aug 2016 18:31

Instrument :
BNA_F
ClientSampleId :
D-14(2-2.5)

Tgt Ion: 264 Resp: 1074957
Ion Ratio Lower Upper
264 100
260 24.4 20.2 30.2
265 22.1 17.4 26.2

Manual Integrations
APPROVED

UMANGI
8/25/2016 5:22:41 PM

