

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082316\
 Data File : BF089833.D
 Acq On : 23 Aug 2016 14:32
 Operator : UM/SJ
 Sample : H4547-10
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-7(0.5-1)

Manual Integrations
 APPROVED

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 8/25/2016 5:20:50 PM

Quant Time: Aug 25 13:43:38 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	436812	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	1428309	20.00	ng	-0.01
38) Acenaphthene-d10	9.70	164	865044	20.00	ng	-0.01
63) Phenanthrene-d10	11.18	188	1510837	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	1258820	20.00	ng	-0.01
86) Perylene-d12	15.36	264	988182	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1711371	67.19	ng	0.00
7) Phenol-d6	6.32	99	3454065	110.47	ng	0.00
23) Nitrobenzene-d5	7.24	82	1728081	75.16	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	790008	96.10	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	3777959	76.76	ng	-0.01
78) Terphenyl-d14	12.79	244	2999315	53.90	ng	0.00
Target Compounds						
10) Phenol	6.33	94	138031	3.77	ng	# 78
31) Naphthalene	7.99	128	6855644	102.70	ng	# 92
37) 2-Methylnaphthalene	8.67	142	5158793m	119.46	ng	
45) 1,1'-Biphenyl	9.13	154	179782	2.69	ng	97
49) Dimethylphthalate	9.44	163	1361890	22.36	ng	# 98

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

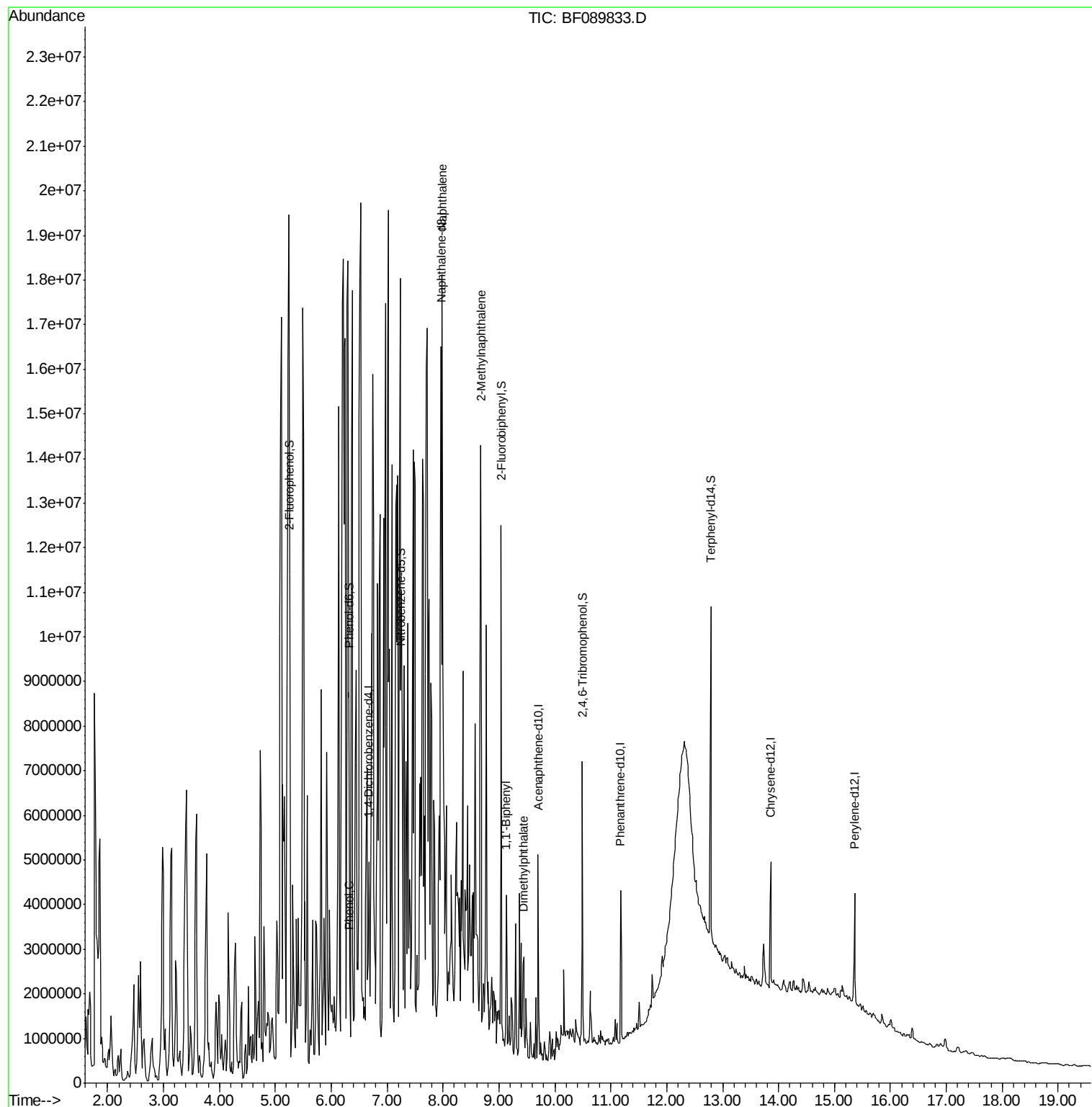
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082316\
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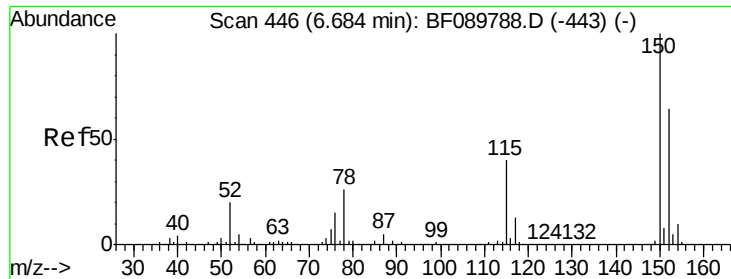
Instrument :
BNA_F
ClientSampleId :
D-7(0.5-1)

Manual Integrations
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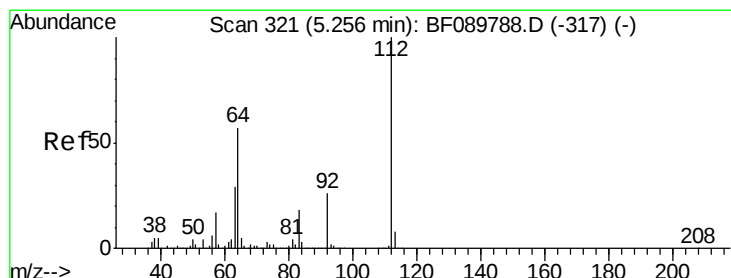
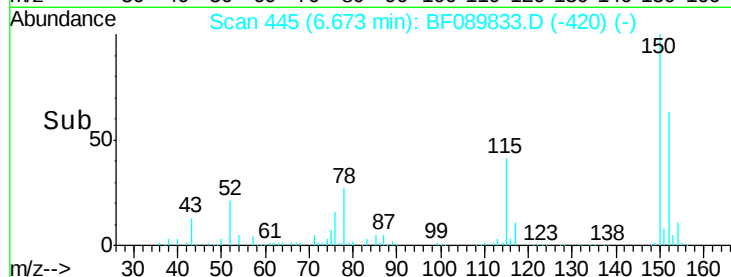
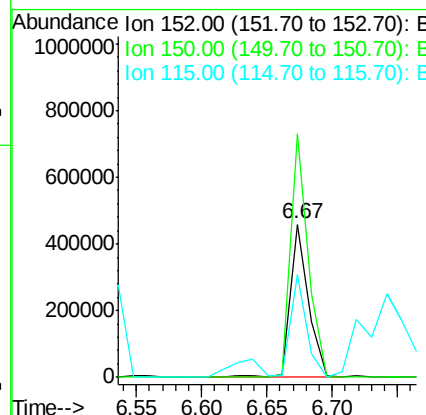
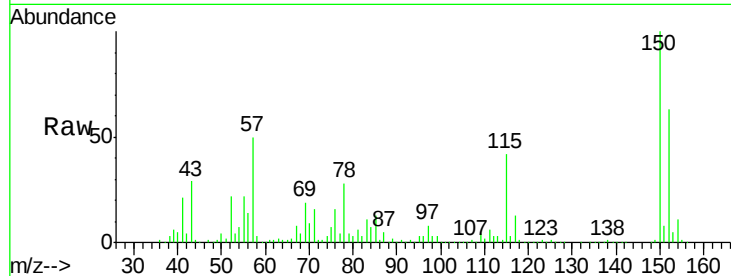
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 445
 Delta R.T. -0.01 min
 Lab File: BF089833.D
 Acq: 23 Aug 2016 14:32

Instrument :
 BNA_F
 ClientSampled :
 D-7(0.5-1)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.3	125.3	187.9
115	67.4	40.9	61.3

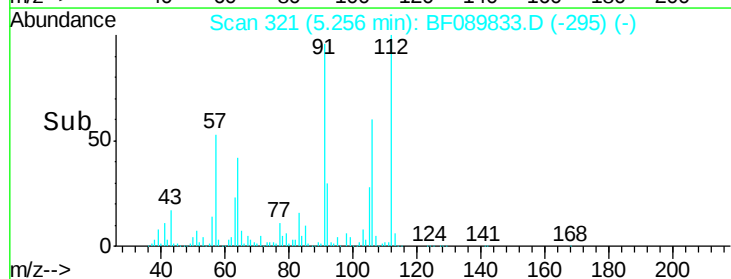
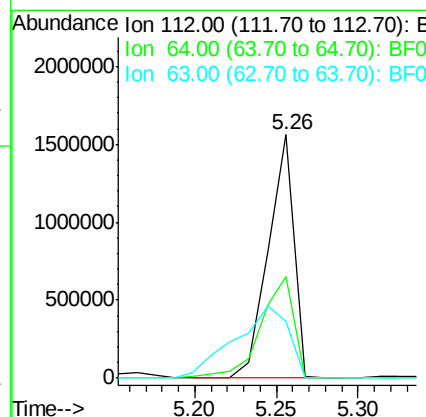
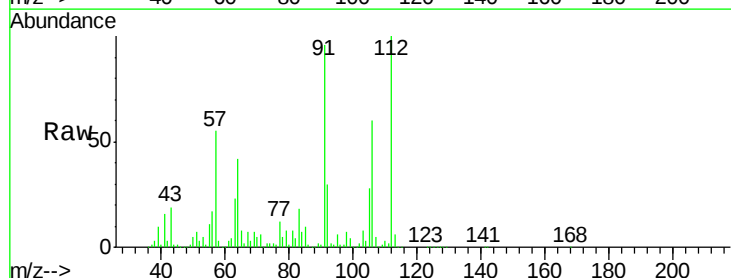
Manual Integrations
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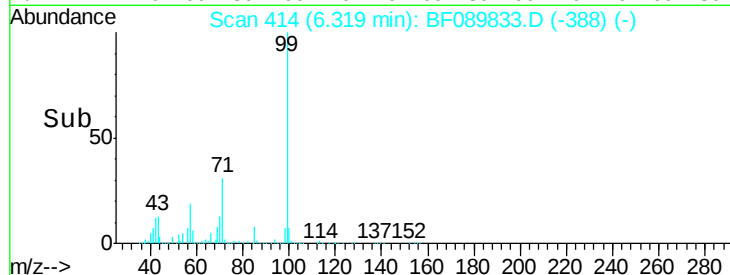
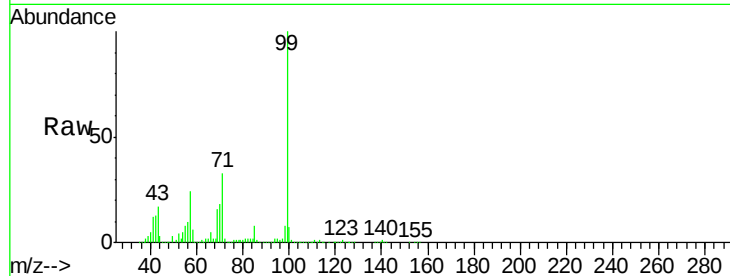
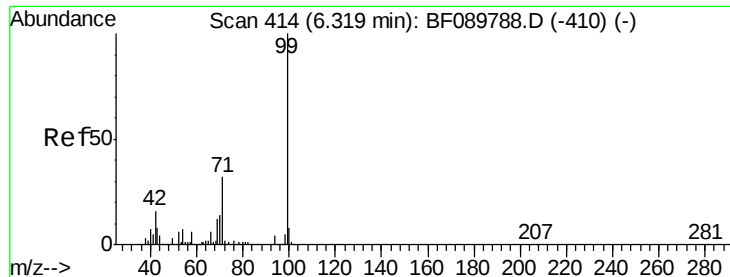
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#5
 2-Fluorophenol
 Concen: 67.19 ng
 RT: 5.26 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: BF089833.D
 Acq: 23 Aug 2016 14:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.7	45.0	67.4
63	23.0	23.1	34.7





#7

Phenol-d6

Concen: 110.47 ng

RT: 6.32 min Scan# 414

Delta R.T. 0.00 min

Lab File: BF089833.D

Acq: 23 Aug 2016 14:32

Tgt Ion:	99	Resp:	3454065
Ion	Ratio	Lower	Upper
99	100		
42	12.5	12.2	18.4
71	32.6	23.8	35.8

Instrument :

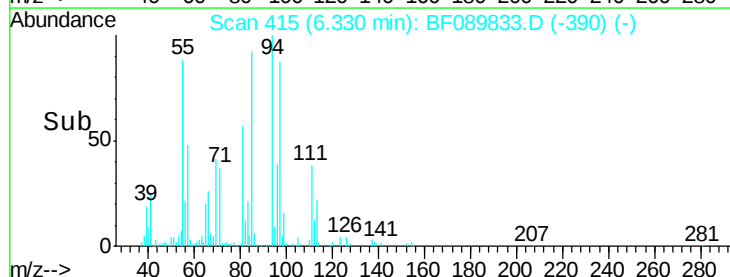
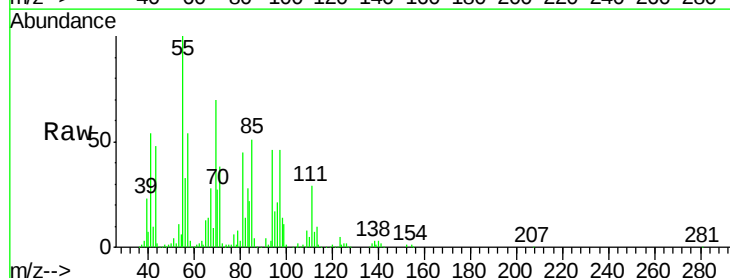
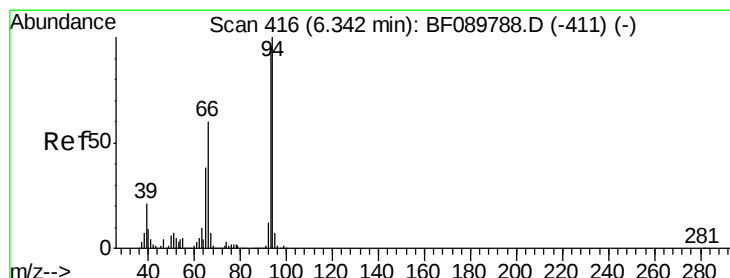
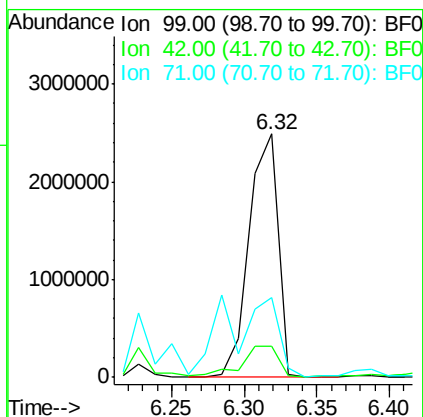
BNA_F

ClientSampleId :

D-7(0.5-1)

Manual Integrations
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#10

Phenol

Concen: 3.77 ng

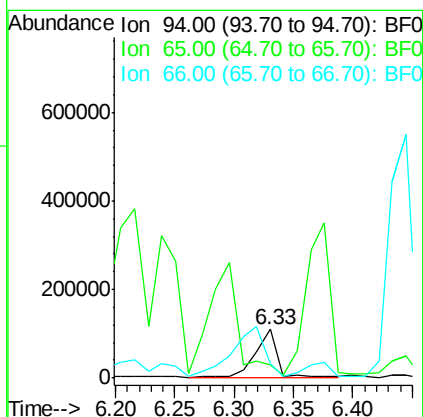
RT: 6.33 min Scan# 415

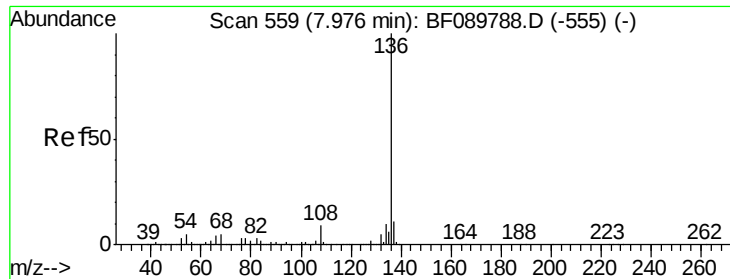
Delta R.T. -0.01 min

Lab File: BF089833.D

Acq: 23 Aug 2016 14:32

Tgt Ion:	94	Resp:	138031
Ion	Ratio	Lower	Upper
94	100		
65	28.0	14.0	54.0
66	30.4	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: BF089833.D

Acq: 23 Aug 2016 14:32

Instrument :

BNA_F

ClientSampleId :

D-7(0.5-1)

Tgt Ion: 136 Resp: 1428309

Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

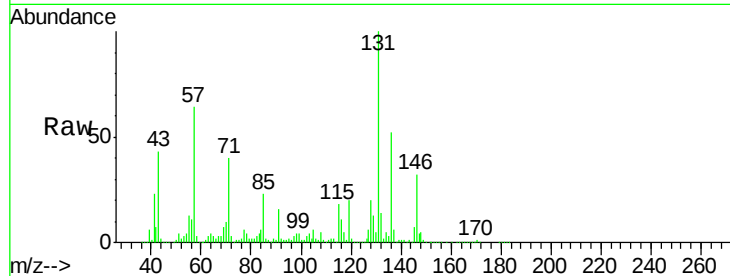
54 7.5 7.2 10.8

68 6.8 5.8 8.8

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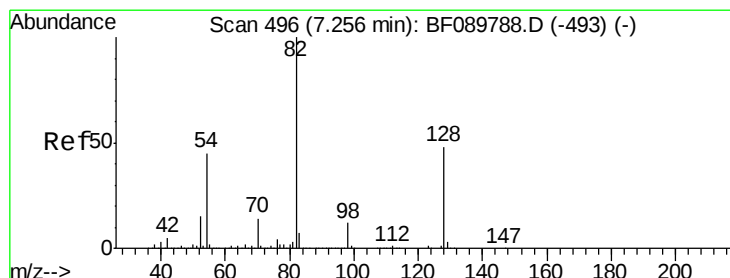
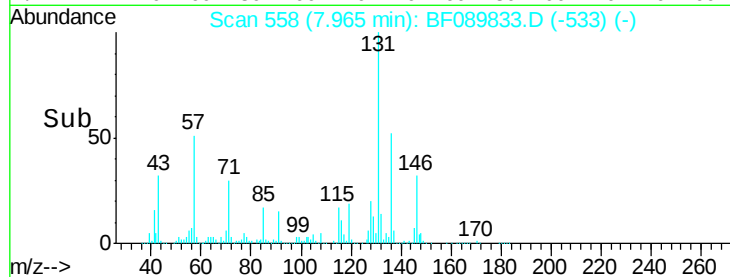
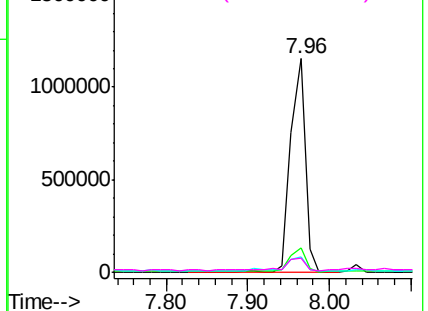


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.16 ng

RT: 7.24 min Scan# 495

Delta R.T. -0.01 min

Lab File: BF089833.D

Acq: 23 Aug 2016 14:32

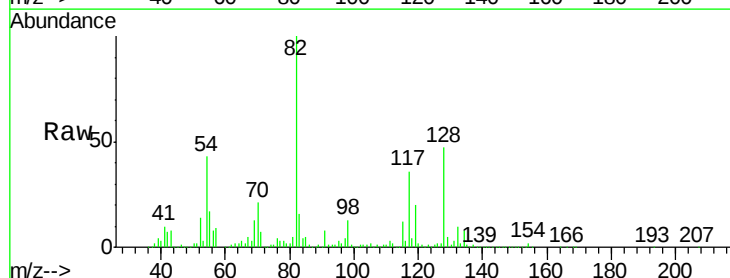
Tgt Ion: 82 Resp: 1728081

Ion Ratio Lower Upper

82 100

128 46.7 34.4 51.6

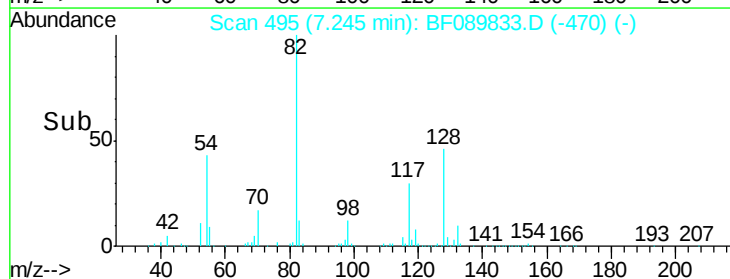
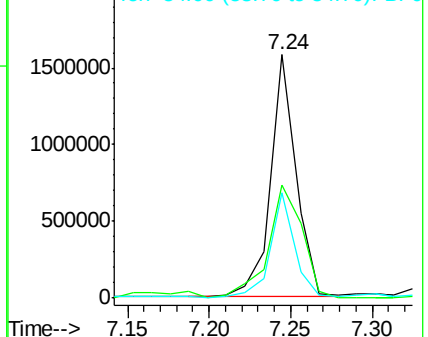
54 43.3 40.3 60.5

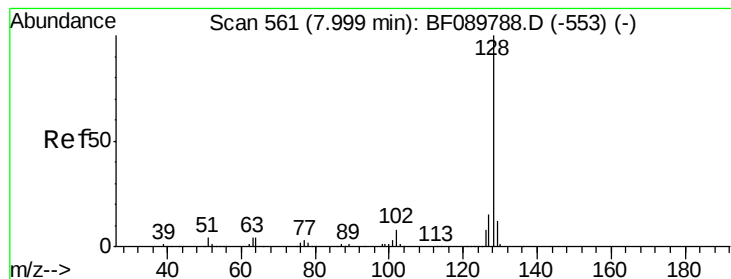


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 102.70 ng

RT: 7.99 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF089833.D

Acq: 23 Aug 2016 14:32

Instrument :

BNA_F

ClientSampleId :

D-7(0.5-1)

Tgt Ion:128 Resp: 6855644

Ion Ratio Lower Upper

128 100

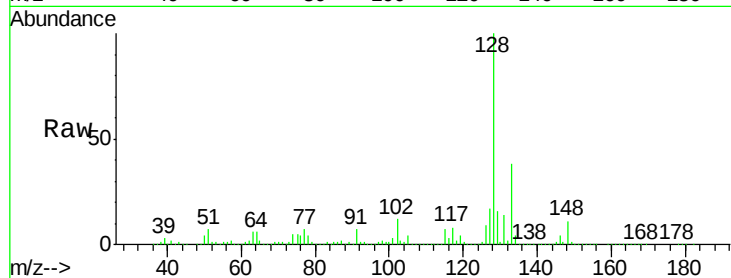
129 15.6 9.5 14.3#

127 16.7 11.3 16.9

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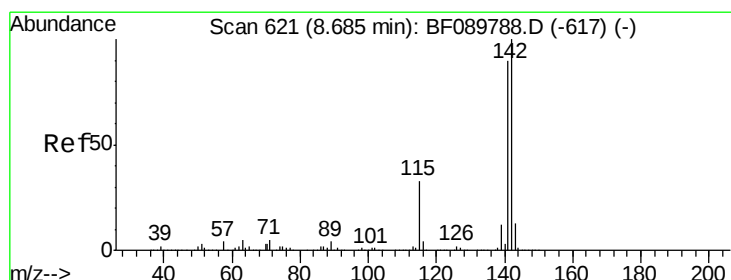
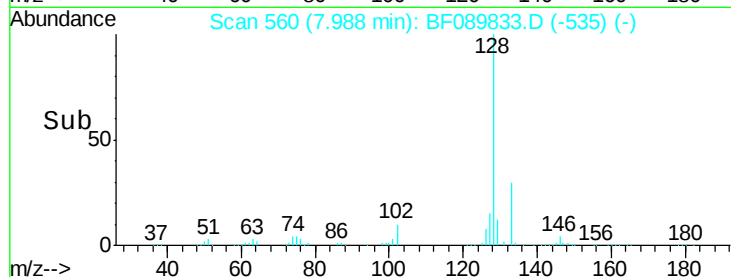
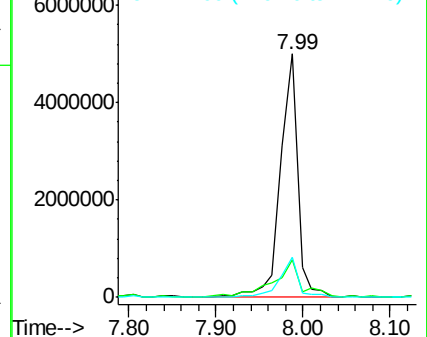
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 119.46 ng m

RT: 8.67 min Scan# 620

Delta R.T. -0.01 min

Lab File: BF089833.D

Acq: 23 Aug 2016 14:32

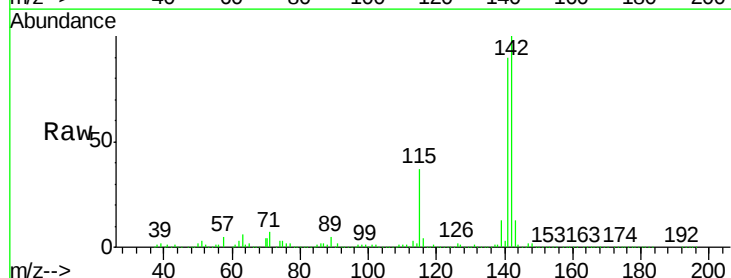
Tgt Ion:142 Resp: 5158793

Ion Ratio Lower Upper

142 100

141 90.4 71.4 107.2

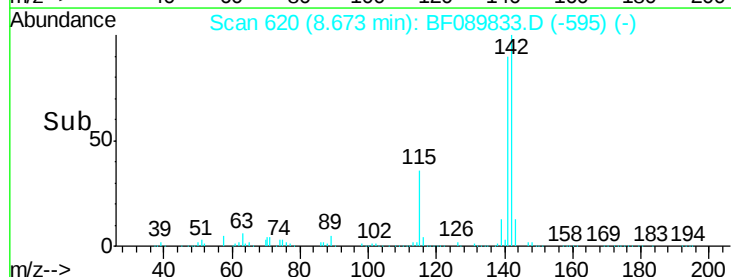
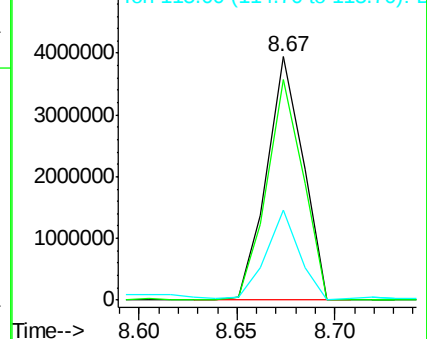
115 37.0 22.7 34.1#

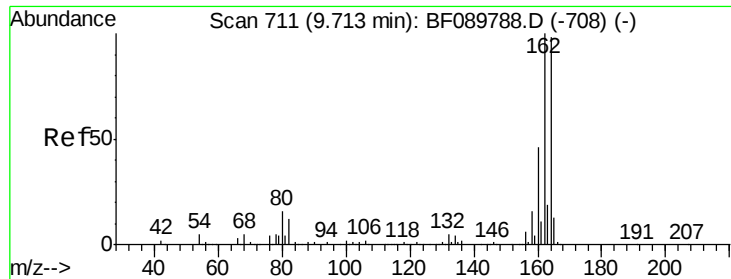


Abundance Ion 142.00 (141.70 to 142.70): E

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: BF089833.D

Acq: 23 Aug 2016 14:32

Instrument :

BNA_F

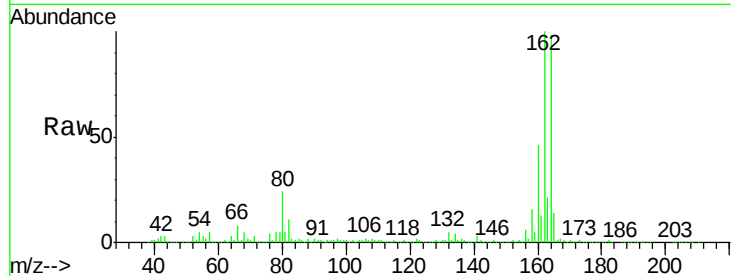
ClientSampled :

D-7(0.5-1)

Tgt Ion:	164	Resp:	865044
Ion Ratio	Lower	Upper	
164	100		
162	101.8	81.4	122.2
160	47.1	37.8	56.6

Manual Integrations
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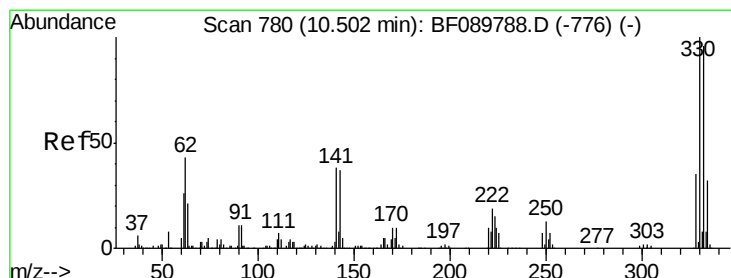
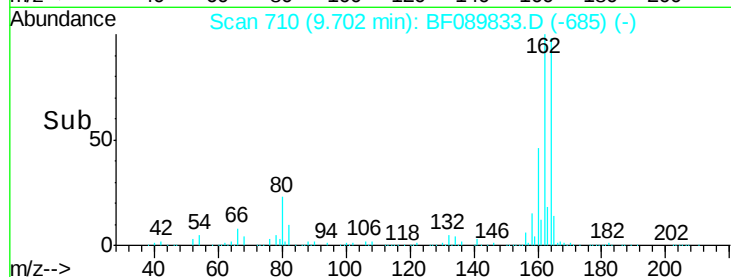
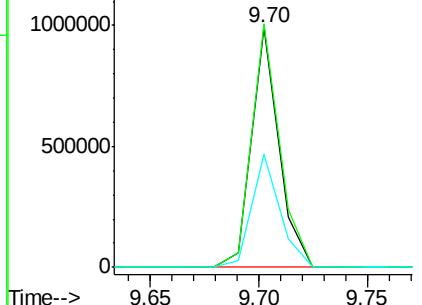
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 96.10 ng

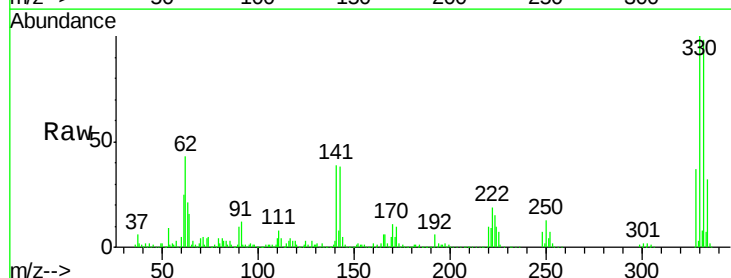
RT: 10.49 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF089833.D

Acq: 23 Aug 2016 14:32

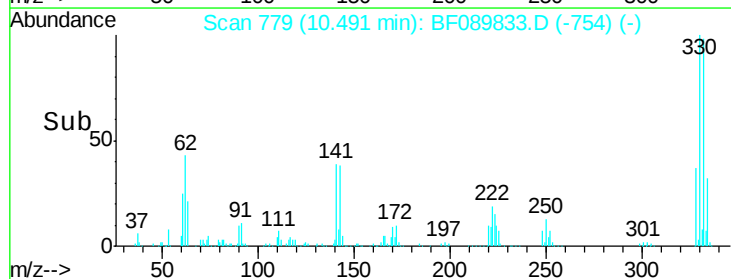
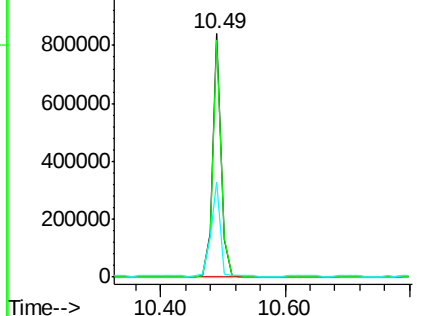
Tgt Ion:	330	Resp:	790008
Ion Ratio	Lower	Upper	
330	100		
332	97.4	76.7	115.1
141	42.9	30.2	45.2

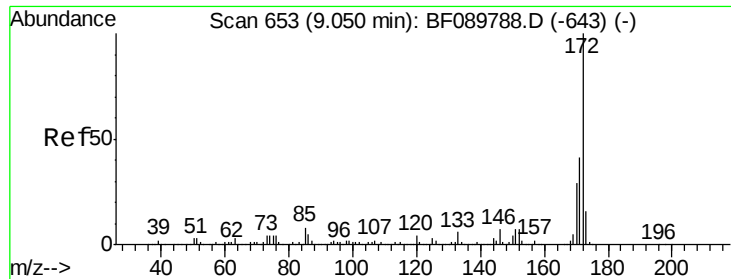


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 76.76 ng

RT: 9.04 min Scan# 652

Delta R.T. -0.01 min

Lab File: BF089833.D

Acq: 23 Aug 2016 14:32

Instrument :

BNA_F

ClientSampleId :

D-7(0.5-1)

Tgt Ion:172 Resp: 3777959

Ion Ratio Lower Upper

172 100

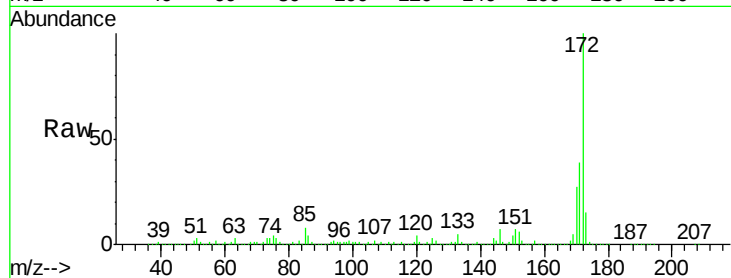
171 39.2 30.5 45.7

170 27.0 20.6 31.0

Manual Integrations
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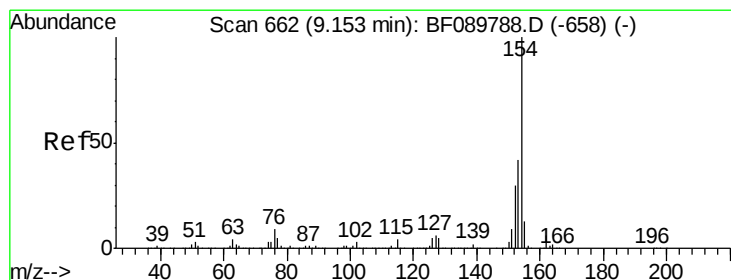
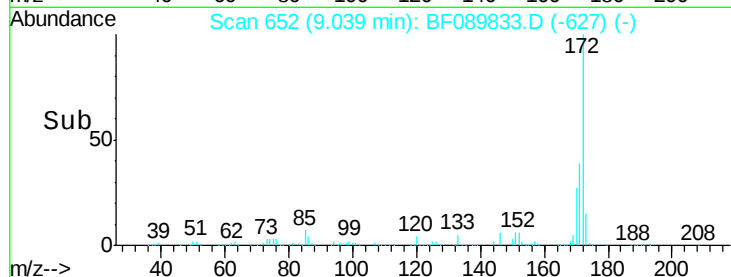
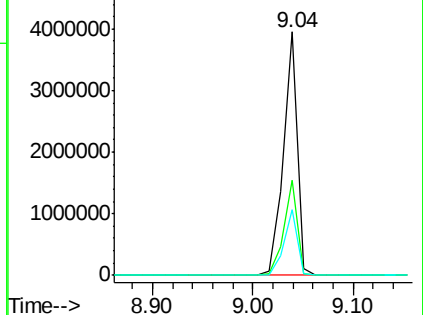
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 2.69 ng

RT: 9.13 min Scan# 660

Delta R.T. -0.02 min

Lab File: BF089833.D

Acq: 23 Aug 2016 14:32

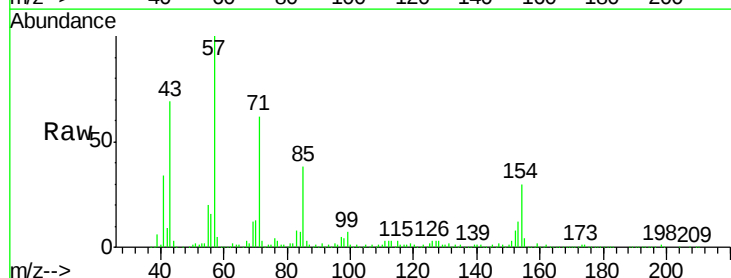
Tgt Ion:154 Resp: 179782

Ion Ratio Lower Upper

154 100

153 40.4 21.5 61.5

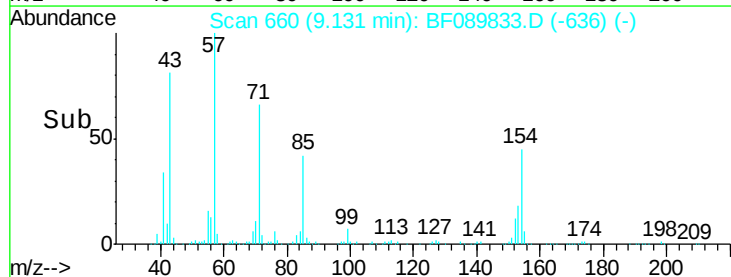
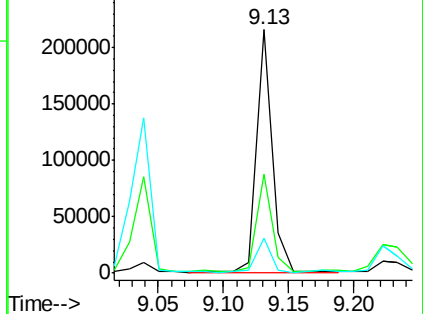
76 14.1 0.0 36.7

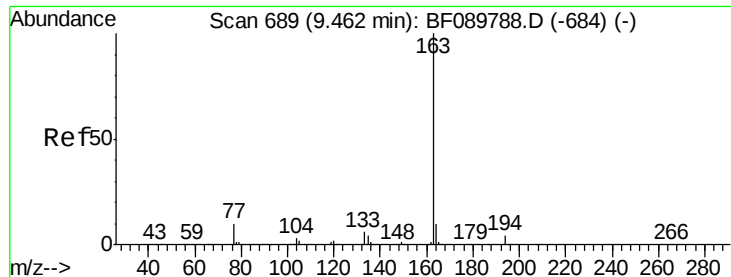


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





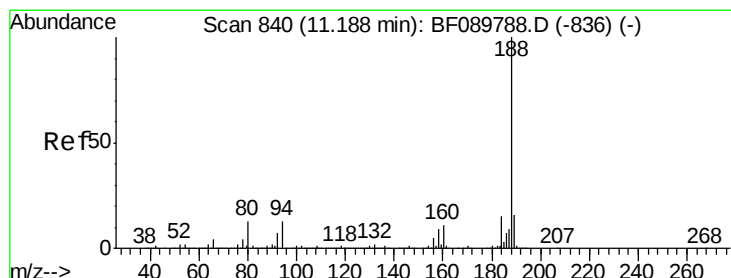
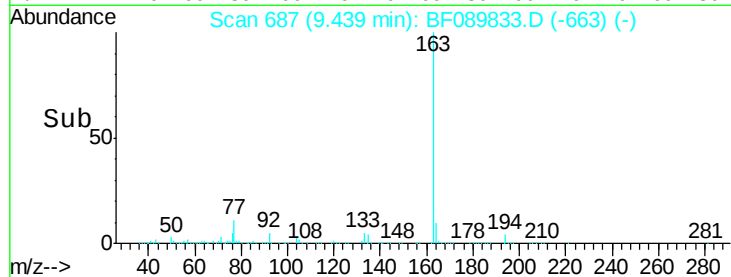
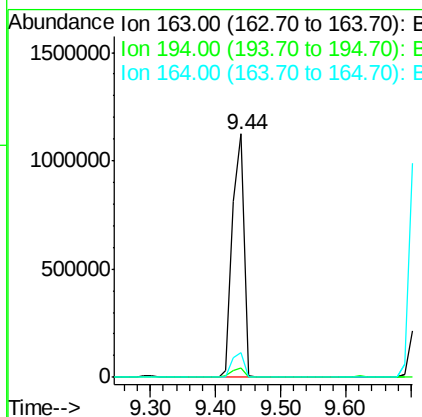
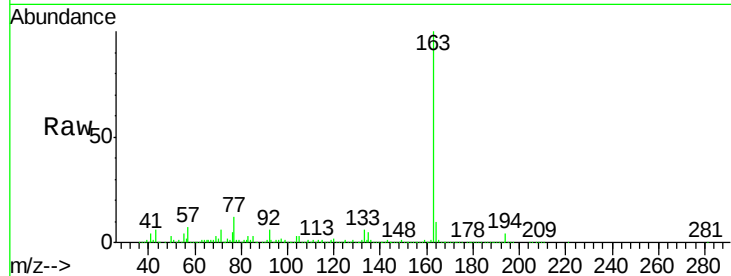
#49
Dimethylphthalate
Concen: 22.36 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF089833.D
Acq: 23 Aug 2016 14:32

Instrument :
BNA_F
ClientSampleId :
D-7(0.5-1)

Tgt Ion:163 Resp: 1361890
Ion Ratio Lower Upper
163 100
194 4.0 2.6 3.8#
164 9.9 8.6 12.8

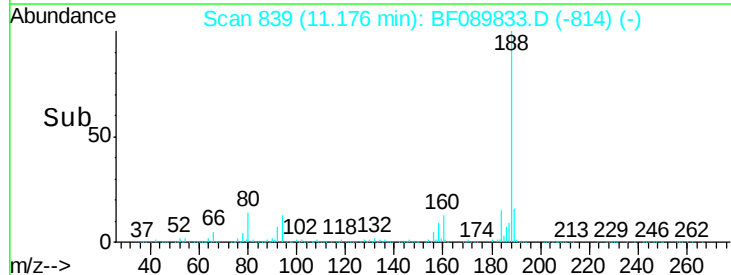
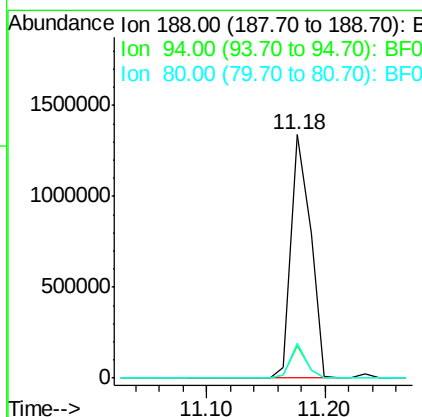
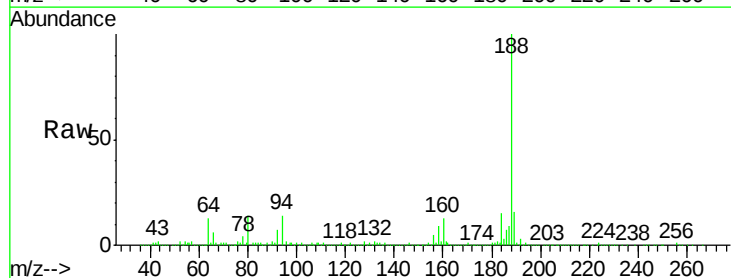
Manual Integrations
APPROVED

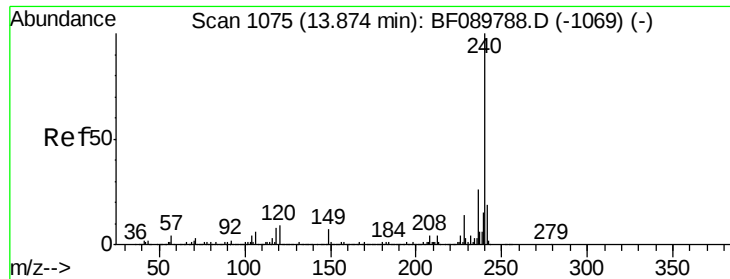
UMANGI
8/25/2016 5:20:50 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF089833.D
Acq: 23 Aug 2016 14:32

Tgt Ion:188 Resp: 1510837
Ion Ratio Lower Upper
188 100
94 13.5 10.2 15.2
80 14.5 10.9 16.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1074

Delta R.T. -0.01 min

Lab File: BF089833.D

Acq: 23 Aug 2016 14:32

Instrument :

BNA_F

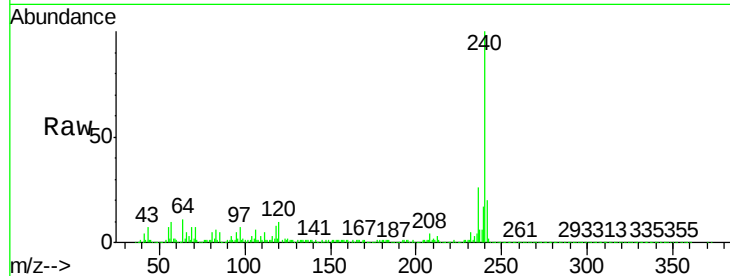
ClientSampleId :

D-7(0.5-1)

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.3	12.5
236	26.4	21.3	31.9

Manual Integrations
APPROVED

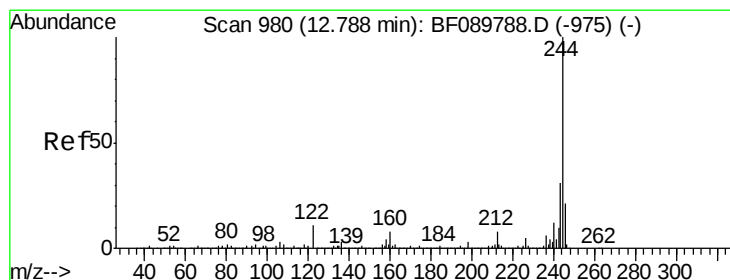
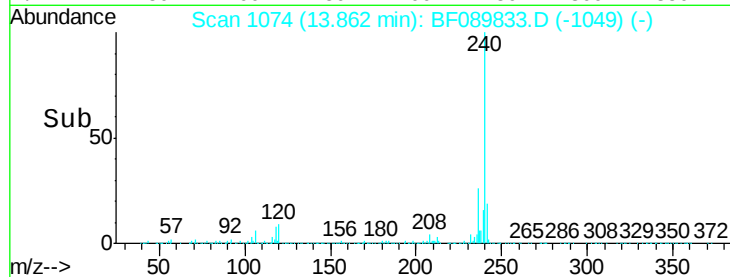
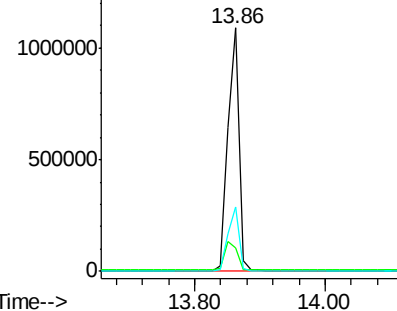
UMANGI
8/25/2016 5:20:50 PM



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: 53.90 ng

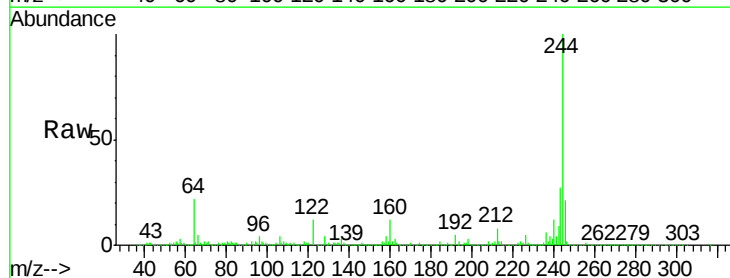
RT: 12.79 min Scan# 980

Delta R.T. 0.00 min

Lab File: BF089833.D

Acq: 23 Aug 2016 14:32

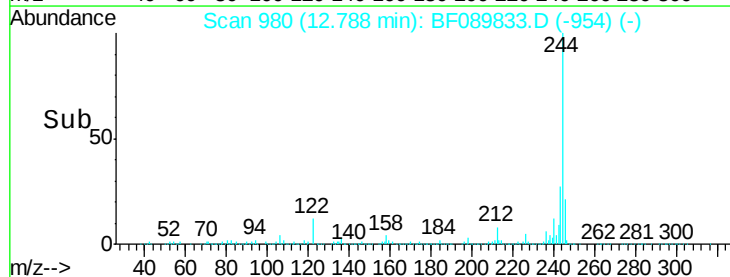
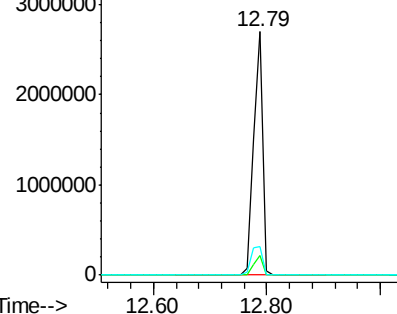
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.3	9.5
122	11.7	12.0	18.0#

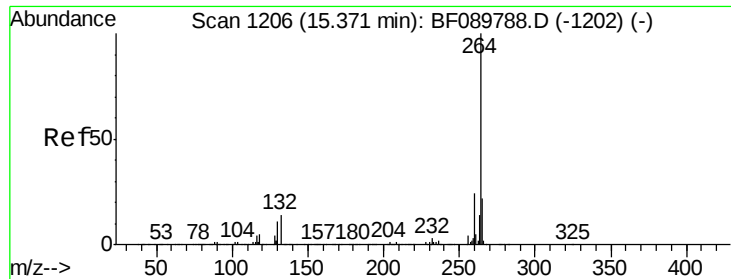


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.36 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF089833.D
Acq: 23 Aug 2016 14:32

Instrument :
BNA_F
ClientSampleId :
D-7(0.5-1)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.2	30.2
265	22.1	17.4	26.2

Manual Integrations
APPROVED

UMANGI
8/25/2016 5:20:50 PM

