

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
 Data File : BF089051.D
 Acq On : 16 Jul 2016 13:07
 Operator : UM/SJ
 Sample : H3951-04 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB02(0-2in)

Manual Integrations

sohil
 7/18/2016 7:36:26 PM

Quant Time: Jul 18 01:38:19 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	62672	20.00	ng	-0.05
21) Naphthalene-d8	7.95	136	227684	20.00	ng	-0.05
38) Acenaphthene-d10	9.70	164	108062	20.00	ng	-0.05
63) Phenanthrene-d10	11.18	188	179388	20.00	ng	-0.05
75) Chrysene-d12	13.81	240	110421	20.00	ng	-0.05
86) Perylene-d12	15.17	264	100130	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	87027	20.81	ng	-0.05
7) Phenol-d6	6.31	99	117931	21.83	ng	-0.05
23) Nitrobenzene-d5	7.22	82	62584	14.40	ng	-0.06
41) 2,4,6-Tribromophenol	10.49	330	13645	13.60	ng	-0.05
44) 2-Fluorobiphenyl	9.03	172	119784	17.51	ng	-0.05
78) Terphenyl-d14	12.75	244	59583	12.02	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.43	163	64672	8.40	ng	99
70) Phenanthrene	11.20	178	26617	2.71	ng	98
74) Fluoranthene	12.38	202	39134	3.94	ng	97
77) Pyrene	12.61	202	40664	4.34	ng	98
80) Benzo(a)anthracene	13.79	228	19536m	2.75	ng	
82) Chrysene	13.83	228	17870m	2.54	ng	
87) Benzo(b)fluoranthene	14.80	252	23957m	3.81	ng	
89) Benzo(a)pyrene	15.11	252	17562	3.30	ng	# 94
91) Benzo(g,h,i)perylene	16.82	276	9271	2.02	ng	98

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

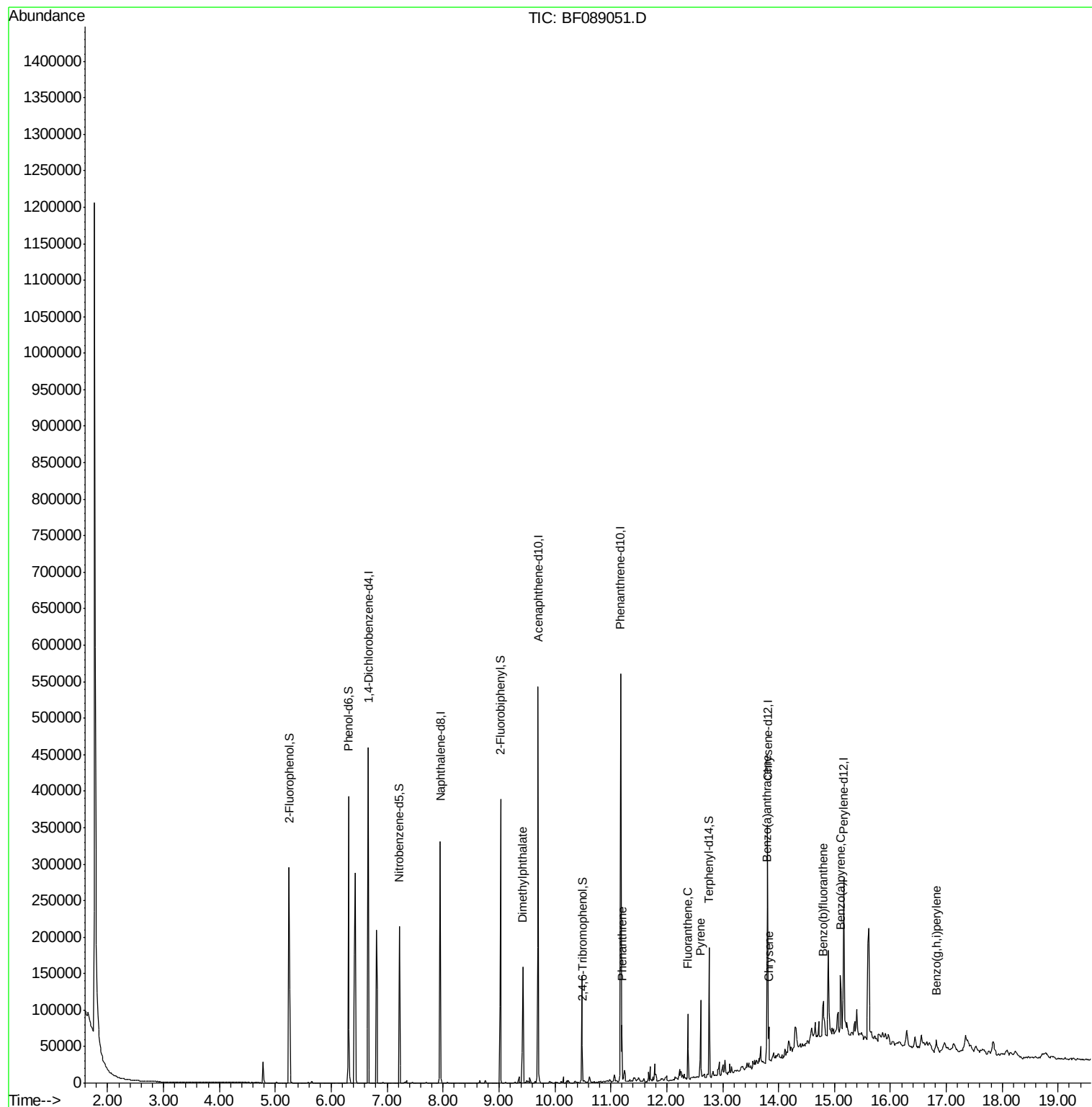
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
Data File : BF089051.D
Acq On : 16 Jul 2016 13:07
Operator : UM/SJ
Sample : H3951-04 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

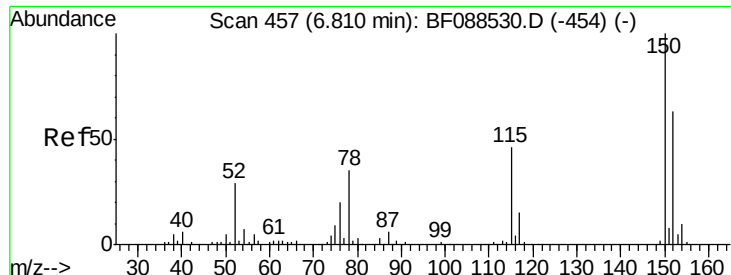
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB02(0-2in)

Manual Integrations

sohil
7/18/2016 7:36:26 PM

Quant Time: Jul 18 01:38:19 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.05 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB02(0-2in)

Tot Ion:152 Resp: 62672

Ion Ratio Lower Upper

152 100

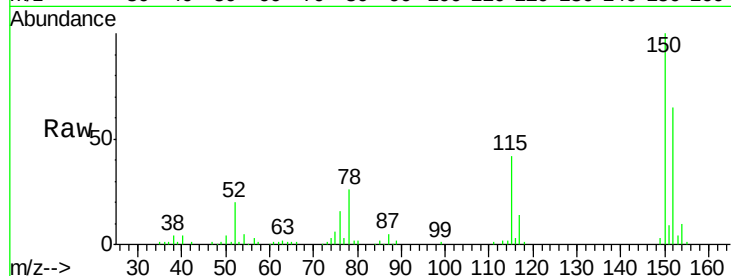
150 154.0 123.8 185.6

115 64.9 39.6 59.4#

Manual Integrations

sohil

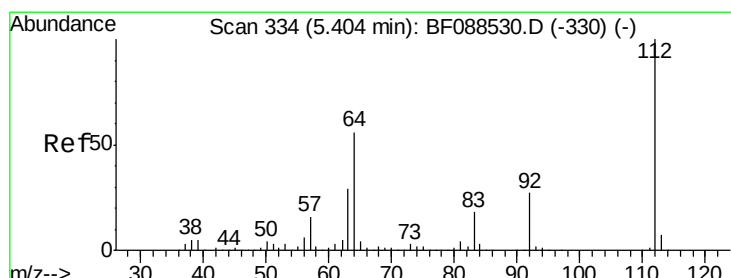
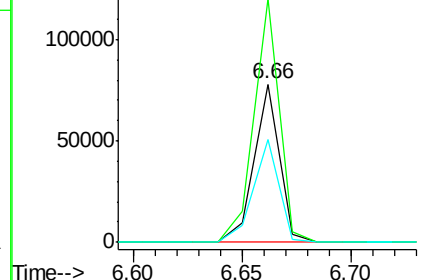
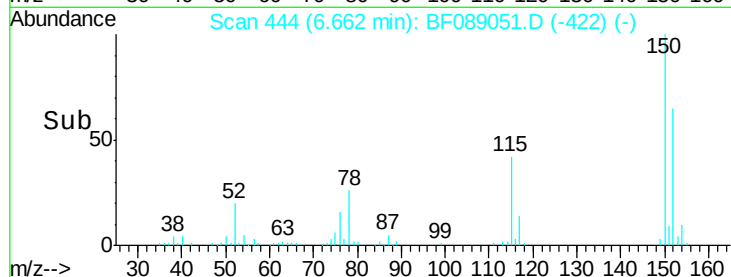
7/18/2016 7:36:26 PM



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: 20.81 ng

RT: 5.24 min Scan# 320

Delta R.T. -0.05 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

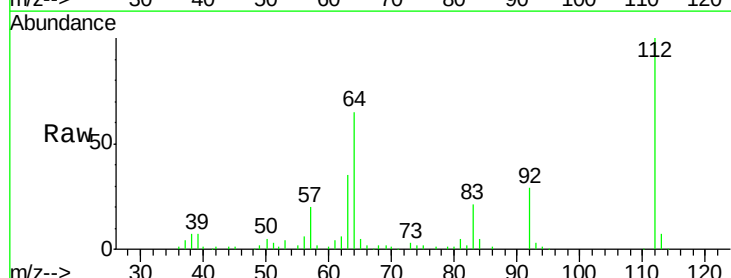
Tgt Ion:112 Resp: 87027

Ion Ratio Lower Upper

112 100

64 65.3 42.2 63.2#

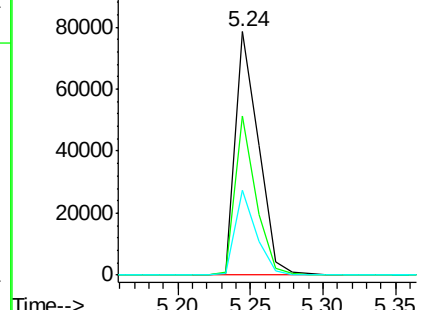
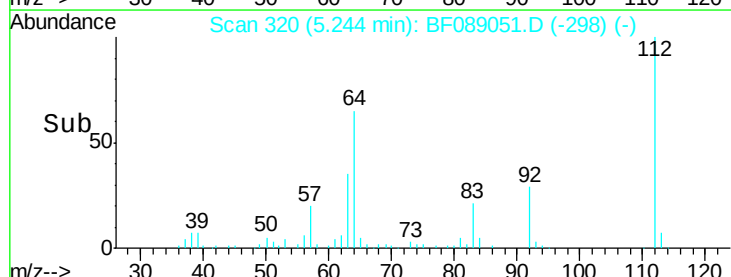
63 35.0 21.8 32.8#

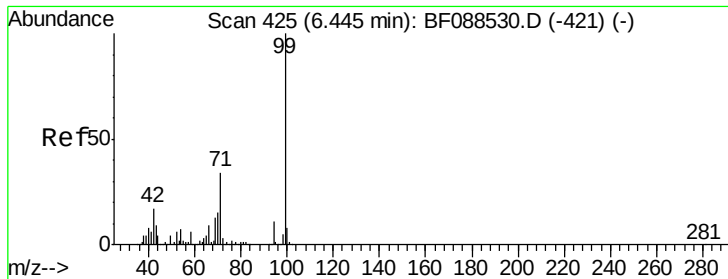


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.83 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF089051.D

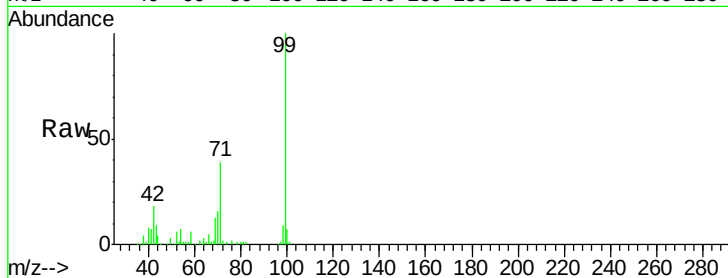
Acq: 16 Jul 2016 13:07

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB02(0-2in)

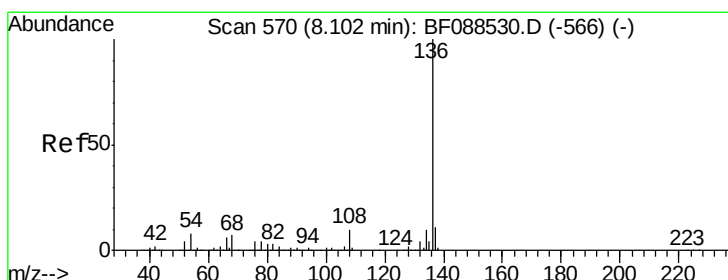
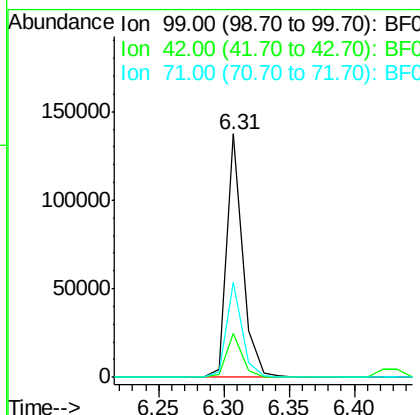
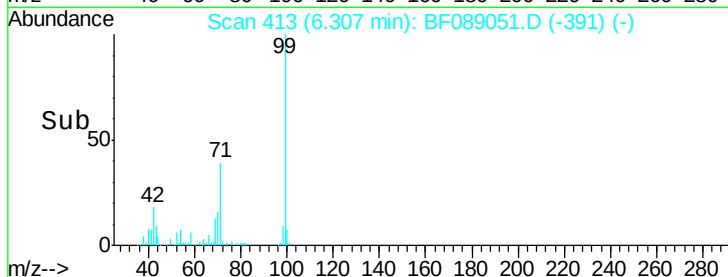


Tot Ion:	99	Resp:	117931
Ion	Ratio	Lower	Upper
99	100		
42	18.0	12.2	18.2
71	38.9	23.4	35.0#

Manual Integrations

sohil

7/18/2016 7:36:26 PM



#21

Naphthalene-d8

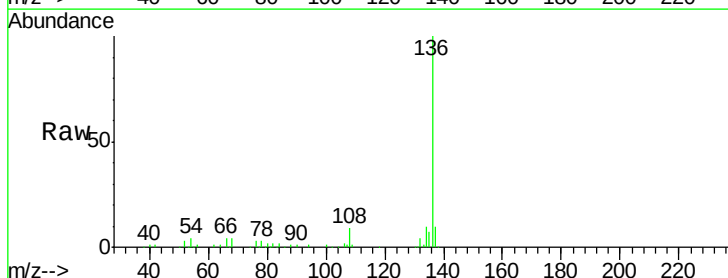
Concen: 20.00 ng

RT: 7.95 min Scan# 557

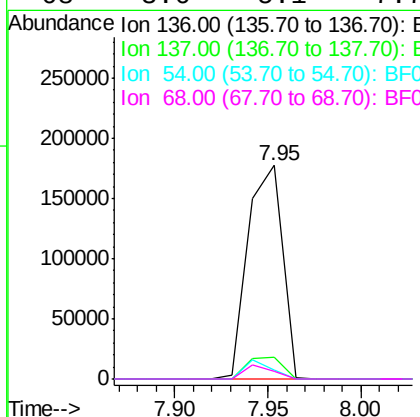
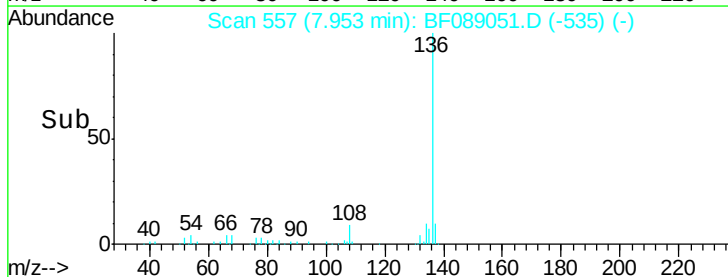
Delta R.T. -0.05 min

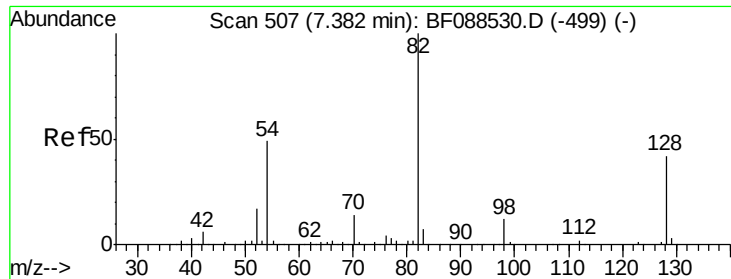
Lab File: BF089051.D

Acq: 16 Jul 2016 13:07



Tgt Ion:	136	Resp:	227684
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.1	13.7
54	4.4	6.6	10.0#
68	3.6	5.1	7.7#





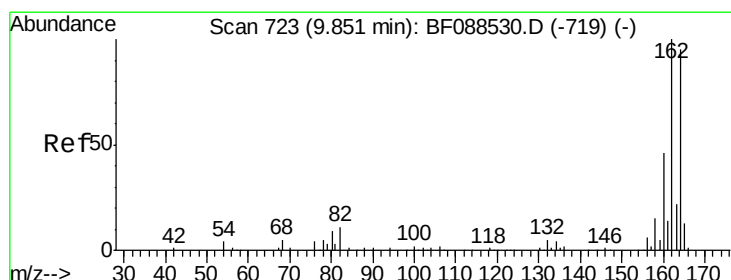
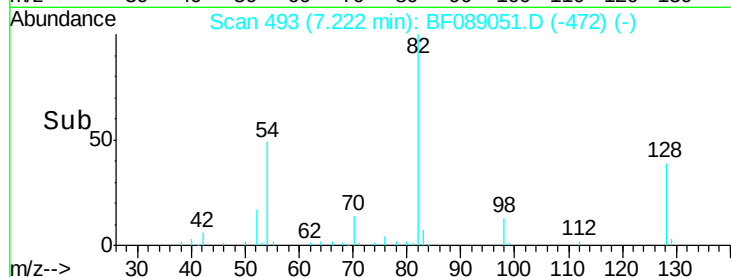
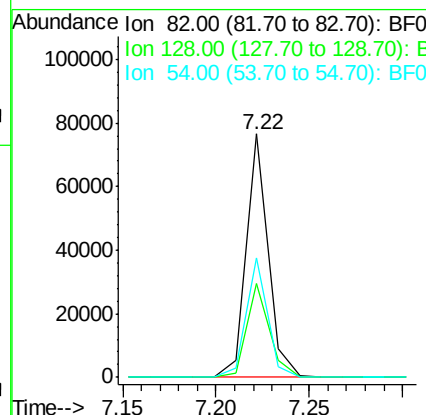
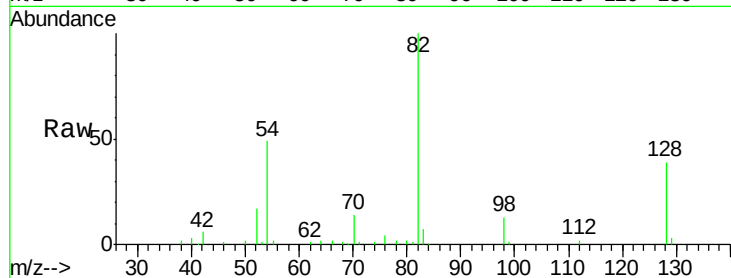
#23
 Nitrobenzene-d5
 Concen: 14.40 ng
 RT: 7.22 min Scan# 493
 Delta R.T. -0.06 min
 Lab File: BF089051.D
 Acq: 16 Jul 2016 13:07

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB02(0-2in)

Tot Ion	82	Resp	62584
Ion Ratio	100	Lower	Upper
82	100		
128	38.8	35.9	53.9
54	49.1	40.9	61.3

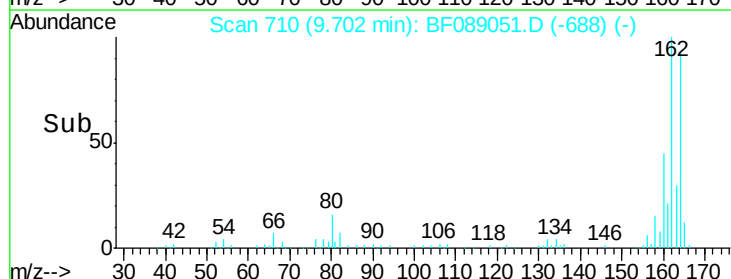
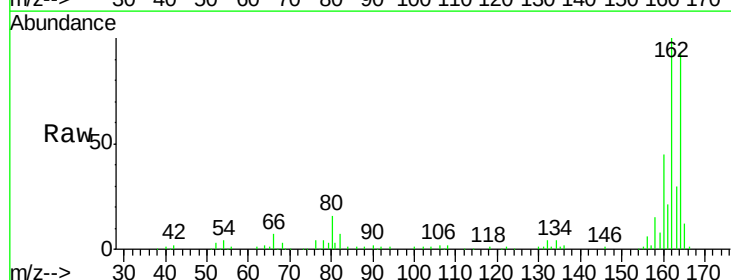
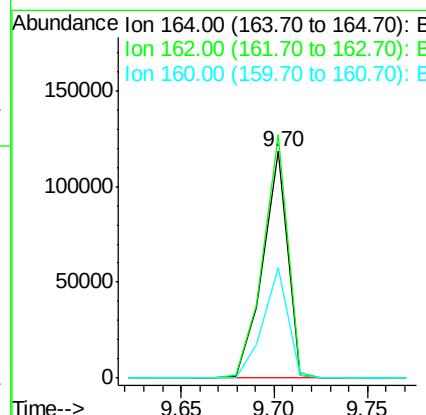
Manual Integrations

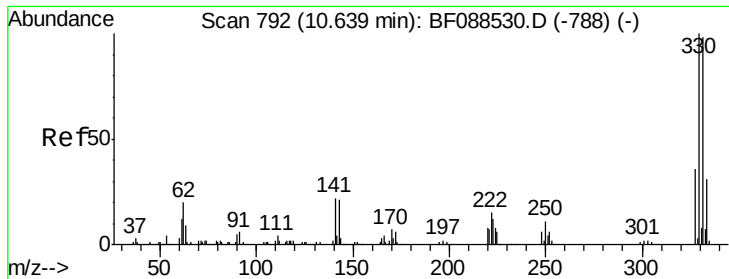
sohil
 7/18/2016 7:36:26 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.05 min
 Lab File: BF089051.D
 Acq: 16 Jul 2016 13:07

Tgt Ion	164	Resp	108062
Ion Ratio	100	Lower	Upper
164	100		
162	107.5	85.4	128.2
160	48.6	39.5	59.3





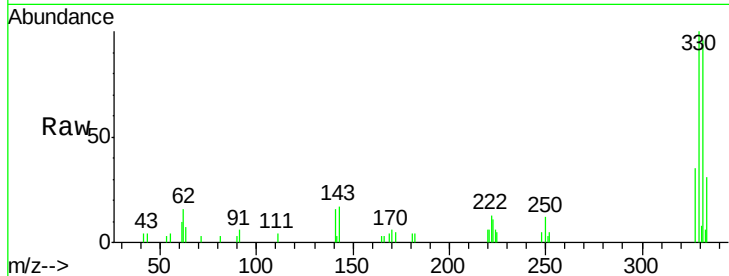
#41
 2,4,6-Tribromophenol
 Concen: 13.60 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF089051.D
 Acq: 16 Jul 2016 13:07

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB02(0-2in)

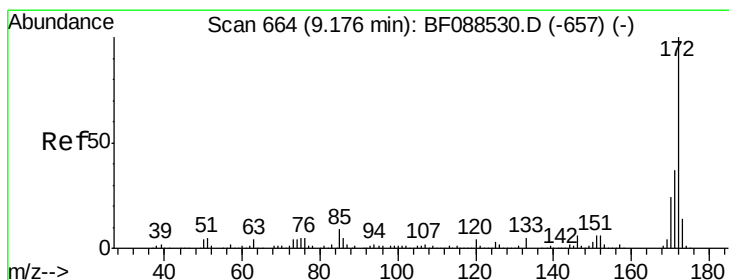
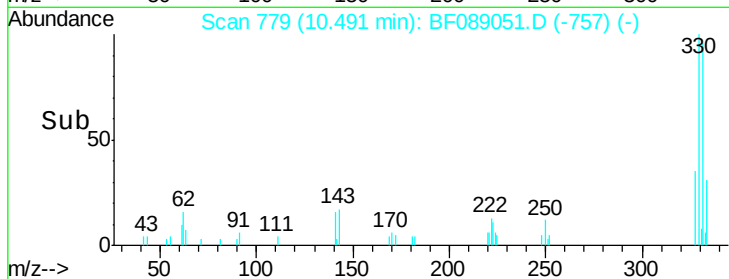
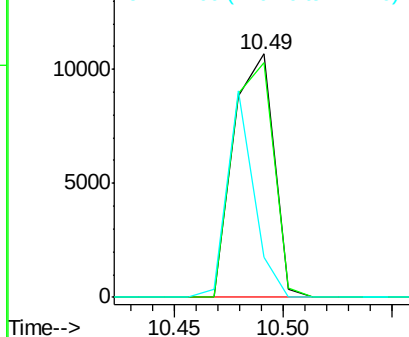
Tot Ion:	330	Resp:	13645
Ion Ratio	Lower	Upper	
330	100		
332	98.6	0.0	0.0#
141	56.2	0.0	0.0#

Manual Integrations

sohil
 7/18/2016 7:36:26 PM



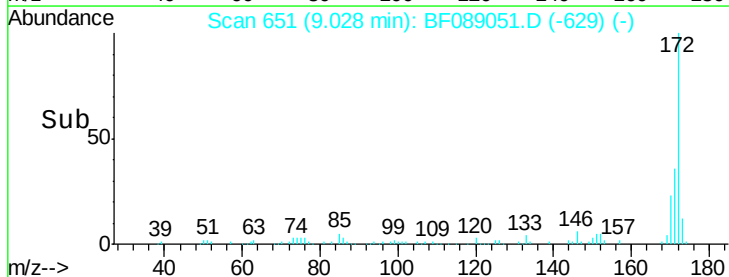
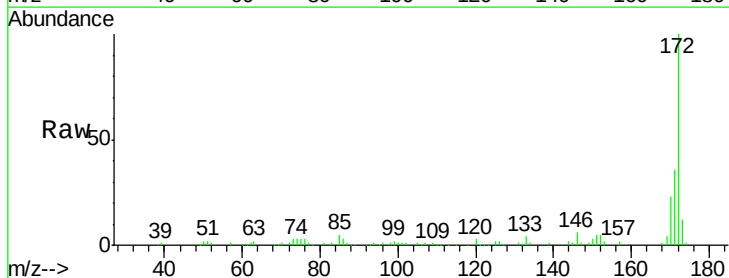
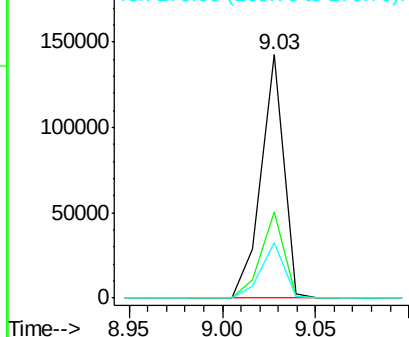
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

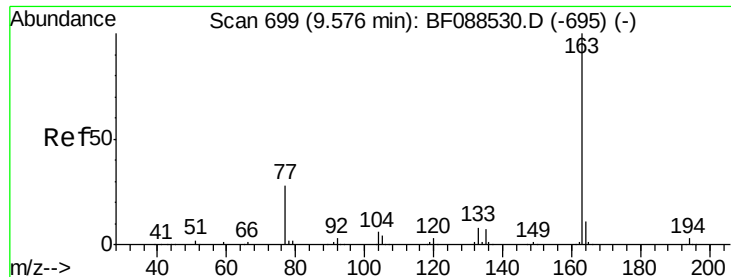


#44
 2-Fluorobiphenyl
 Concen: 17.51 ng
 RT: 9.03 min Scan# 651
 Delta R.T. -0.05 min
 Lab File: BF089051.D
 Acq: 16 Jul 2016 13:07

Tgt Ion:	172	Resp:	119784
Ion Ratio	Lower	Upper	
172	100		
171	35.5	28.6	43.0
170	23.0	19.2	28.8

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





#49

Dimethylphthalate

Concen: 8.40 ng

RT: 9.43 min Scan# 686

Delta R.T. -0.06 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB02(0-2in)

Tot Ion:163 Resp: 64672

Ion Ratio Lower Upper

163 100

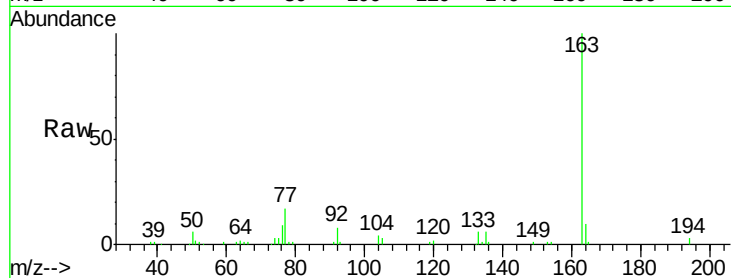
194 3.3 2.8 4.2

164 9.9 8.3 12.5

Manual Integrations

sohil

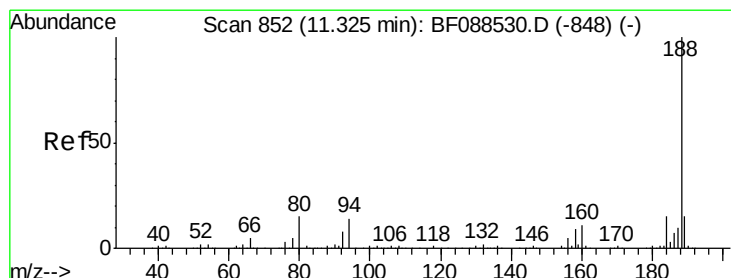
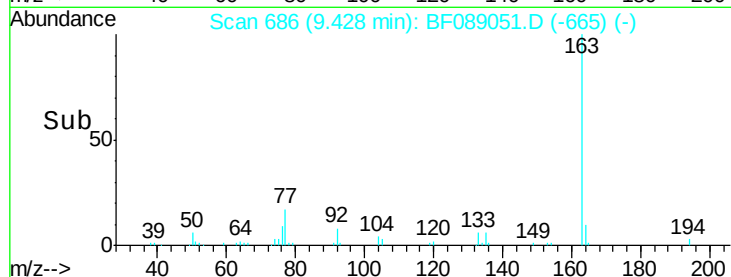
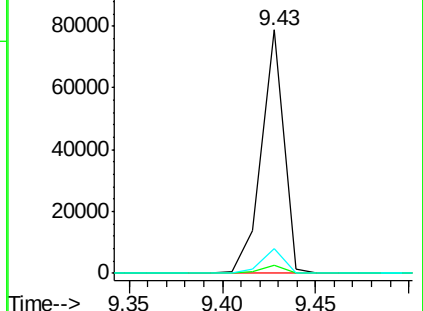
7/18/2016 7:36:26 PM



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.18 min Scan# 839

Delta R.T. -0.05 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

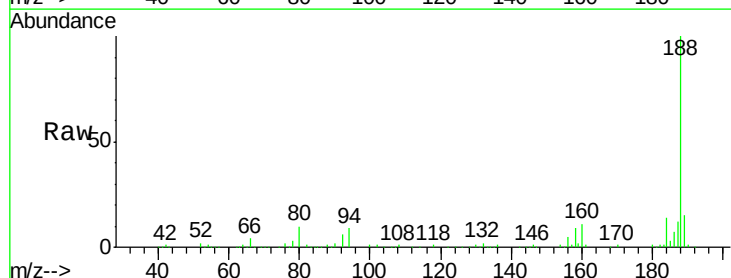
Tgt Ion:188 Resp: 179388

Ion Ratio Lower Upper

188 100

94 9.4 9.0 13.6

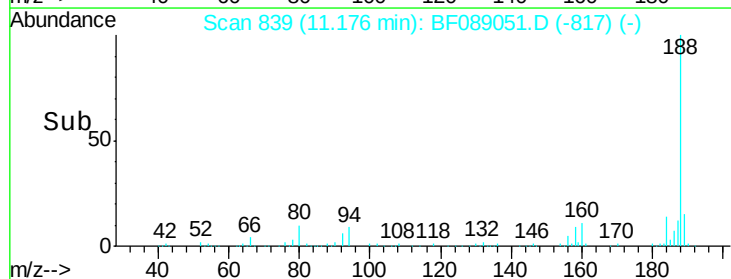
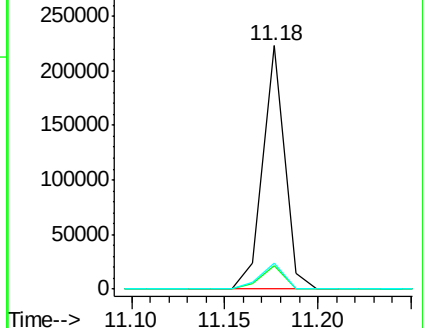
80 10.5 10.0 15.0

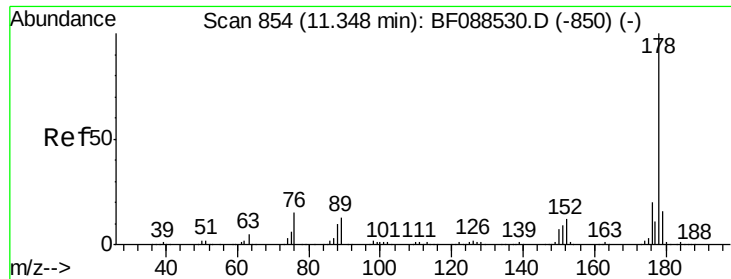


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





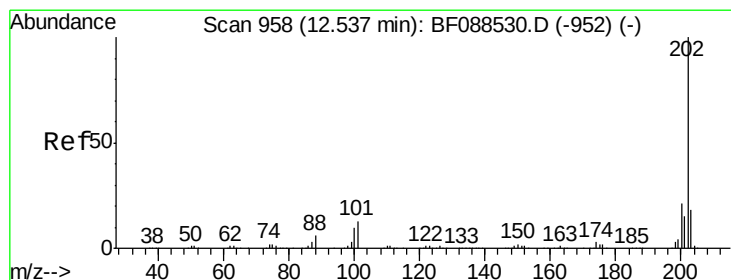
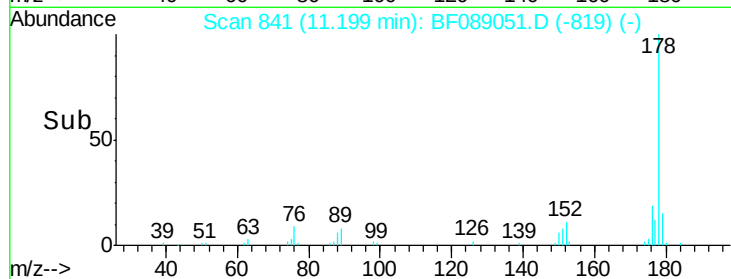
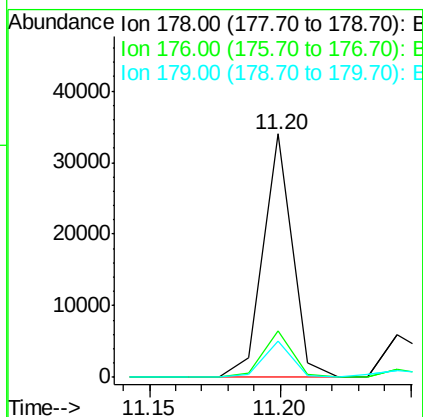
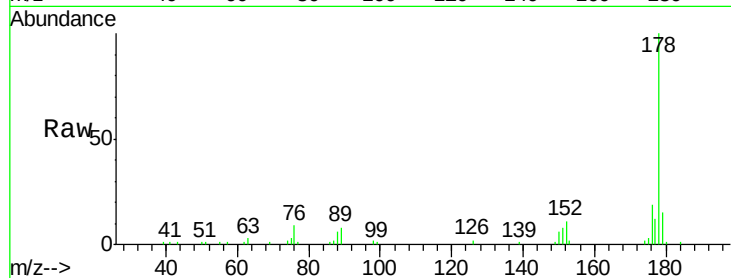
#70
Phenanthrene
Concen: 2.71 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.05 min
Lab File: BF089051.D
Acq: 16 Jul 2016 13:07

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB02(0-2in)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.6
179	14.9	13.0	19.4

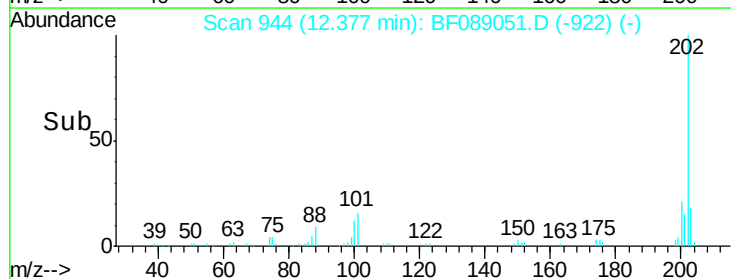
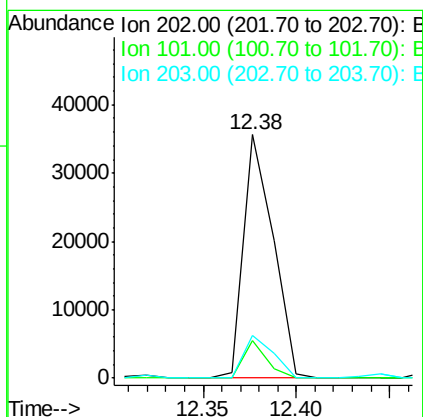
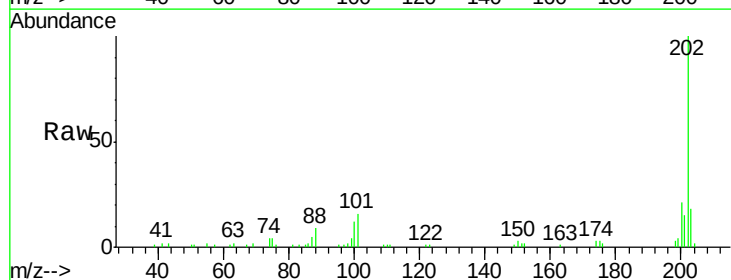
Manual Integrations

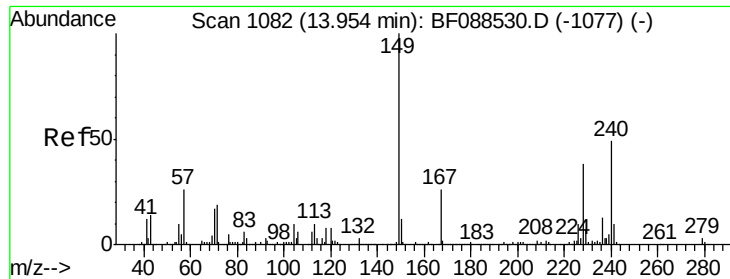
sohil
7/18/2016 7:36:26 PM



#74
Fluoranthene
Concen: 3.94 ng
RT: 12.38 min Scan# 944
Delta R.T. -0.05 min
Lab File: BF089051.D
Acq: 16 Jul 2016 13:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.7	0.0	33.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.05 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

Instrument :

BNA_F

ClientSampleId :

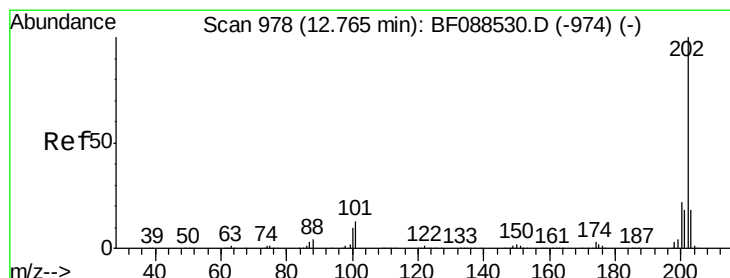
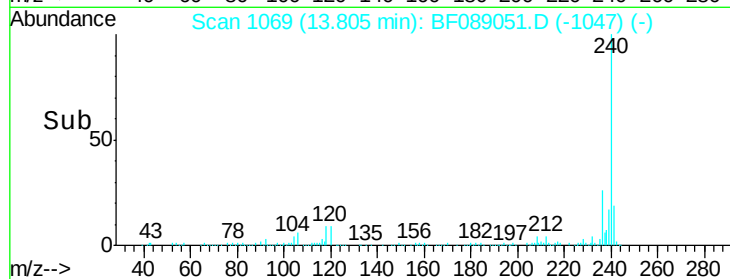
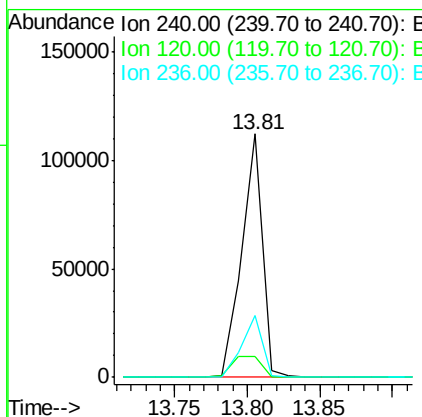
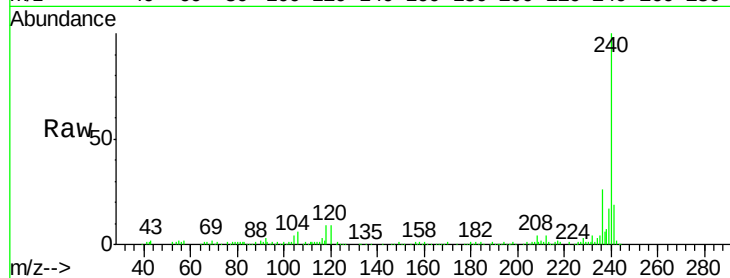
LSS-SB-SB02(0-2in)

Tot Ion:	240	Resp:	110421
Ion Ratio	Lower	Upper	
240	100		
120	8.6	6.8	10.2
236	25.6	20.2	30.2

Manual Integrations

sohil

7/18/2016 7:36:26 PM



#77

Pyrene

Concen: 4.34 ng

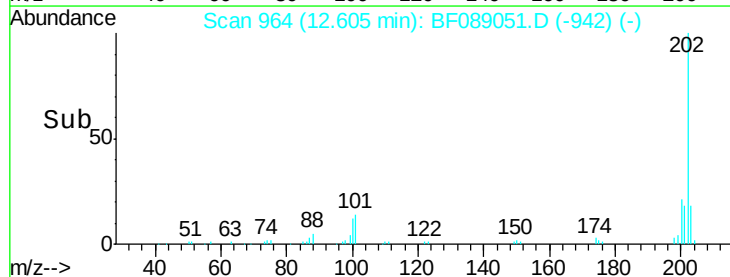
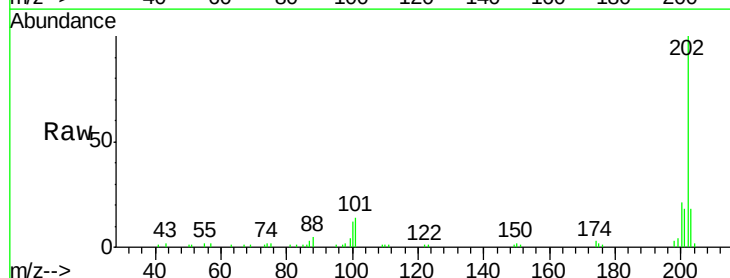
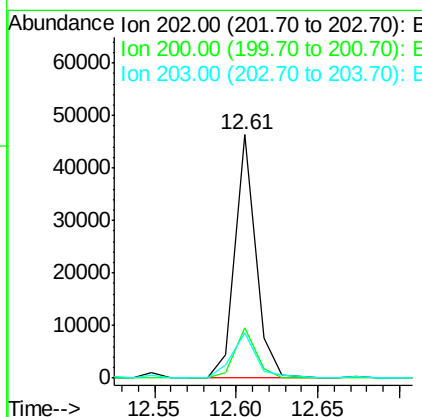
RT: 12.61 min Scan# 964

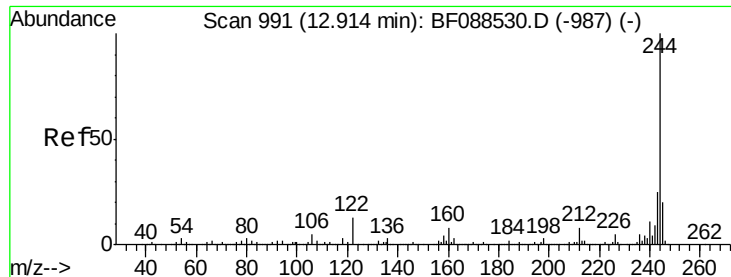
Delta R.T. -0.05 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

Tgt Ion:	202	Resp:	40664
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	18.5	14.5	21.7





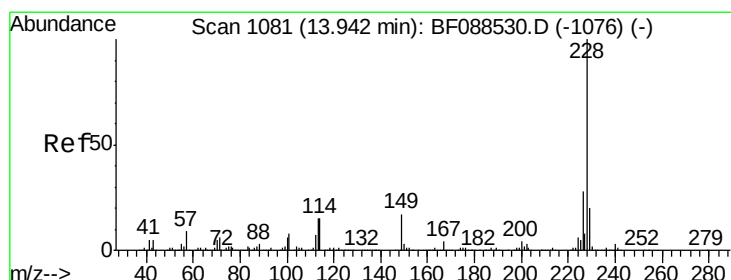
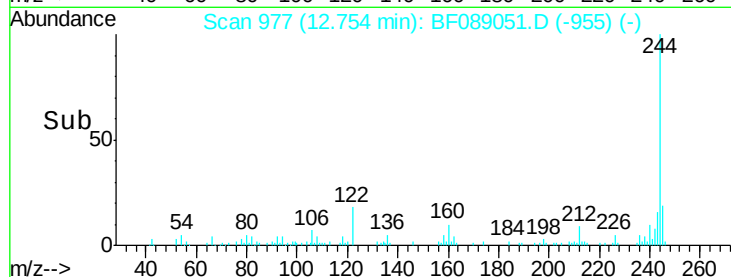
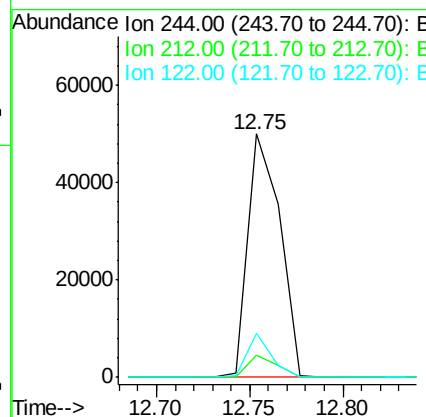
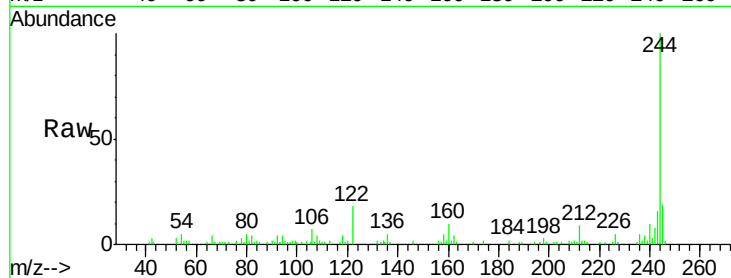
#78
 Terphenyl-d14
 Concen: 12.02 ng
 RT: 12.75 min Scan# 977
 Delta R.T. -0.05 min
 Lab File: BF089051.D
 Acq: 16 Jul 2016 13:07

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB02(0-2in)

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.9	6.0	9.0
122	18.3	11.2	16.8

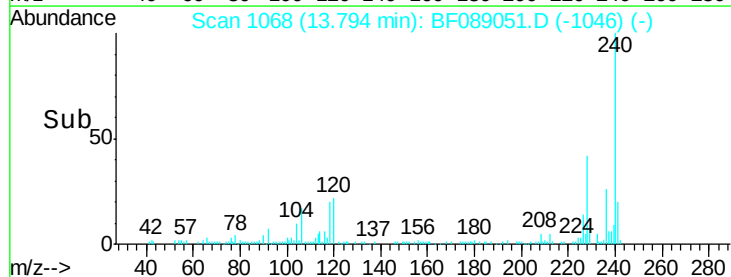
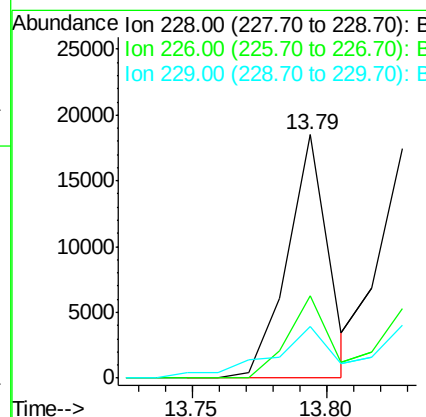
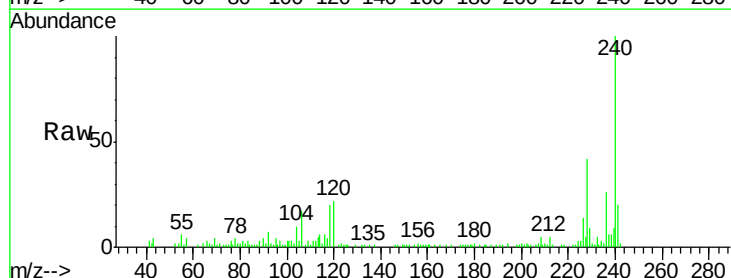
Manual Integrations

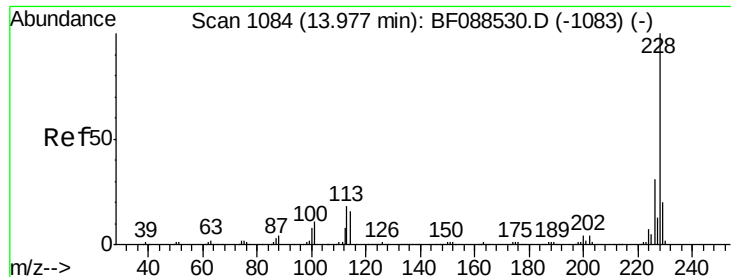
sohil
 7/18/2016 7:36:26 PM



#80
 Benzo(a)anthracene
 Concen: 2.75 ng m
 RT: 13.79 min Scan# 1068
 Delta R.T. -0.05 min
 Lab File: BF089051.D
 Acq: 16 Jul 2016 13:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.6	22.3	33.5
229	21.2	16.0	24.0





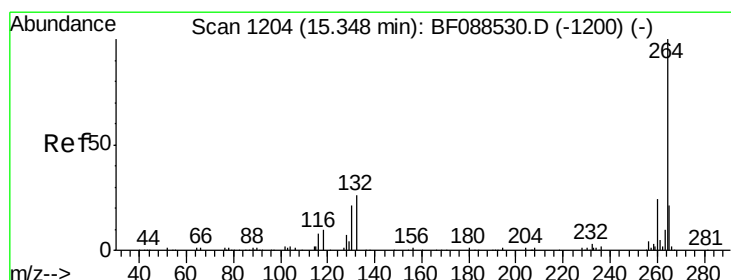
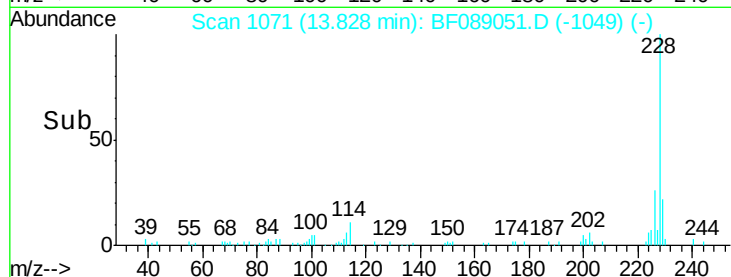
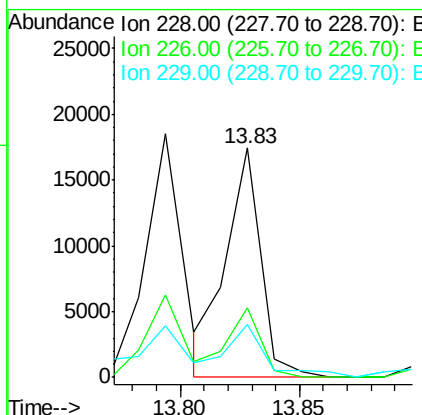
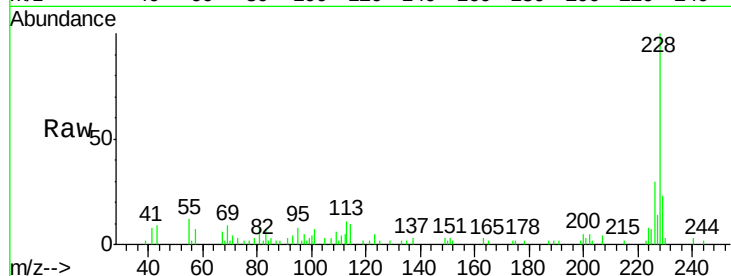
#82
Chrysene
Concen: 2.54 ng/mL
RT: 13.83 min Scan# 1071
Delta R.T. -0.05 min
Lab File: BF089051.D
Acq: 16 Jul 2016 13:07

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB02(0-2in)

Tot Ion:	228	Resp:	17870
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.4	38.2
229	23.0	16.3	24.5

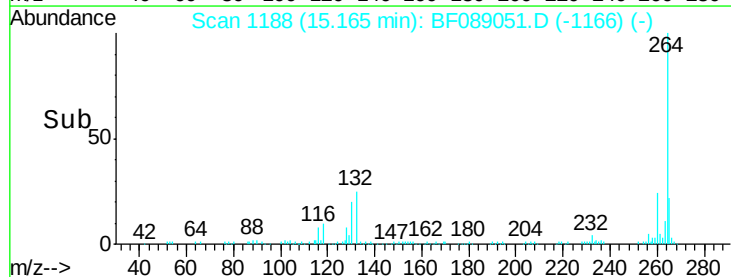
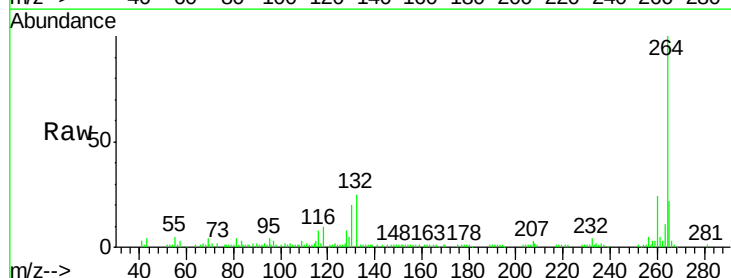
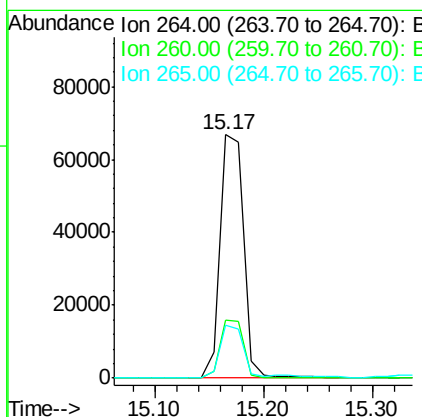
Manual Integrations

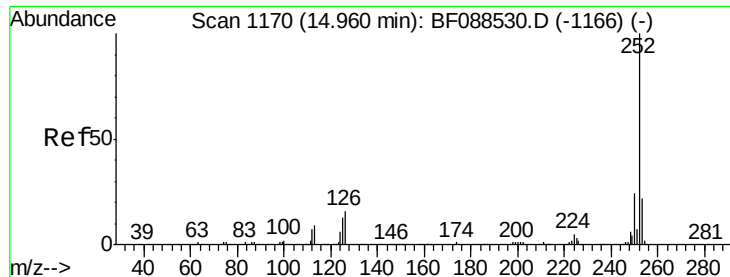
sohil
7/18/2016 7:36:26 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1188
Delta R.T. -0.05 min
Lab File: BF089051.D
Acq: 16 Jul 2016 13:07

Tgt Ion:	264	Resp:	100130
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.2	28.8
265	21.9	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 3.81 ng/mL

RT: 14.80 min Scan# 1156

Delta R.T. -0.03 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB02(0-2in)

Tot Ion: 252 Resp: 23957

Ion Ratio Lower Upper

252 100

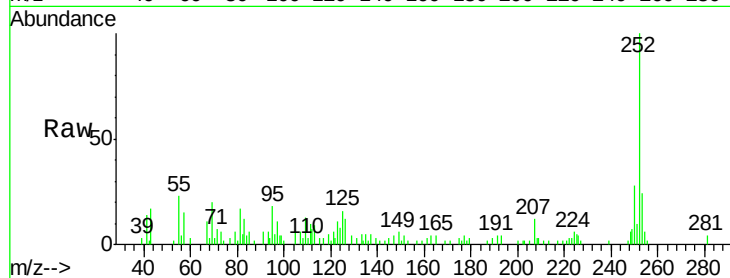
253 24.0 17.4 26.2

125 16.5 7.1 10.7#

Manual Integrations

sohil

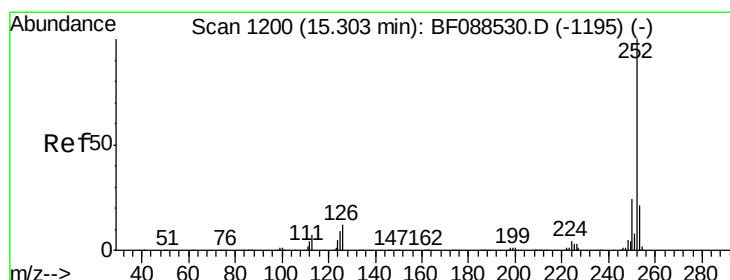
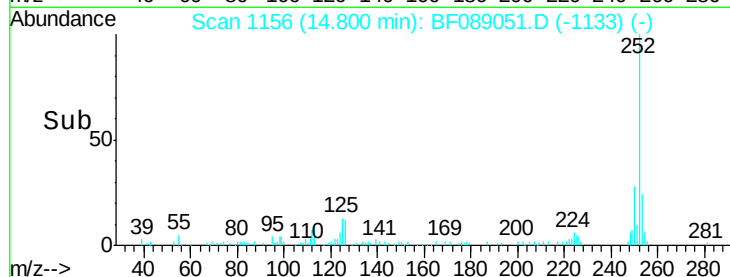
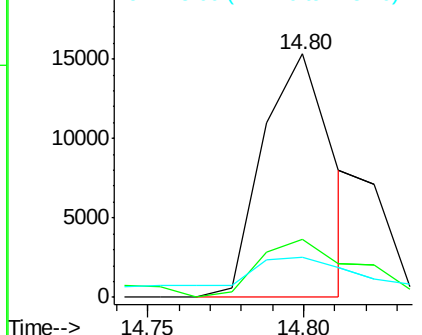
7/18/2016 7:36:26 PM



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 3.30 ng/mL

RT: 15.11 min Scan# 1183

Delta R.T. -0.06 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

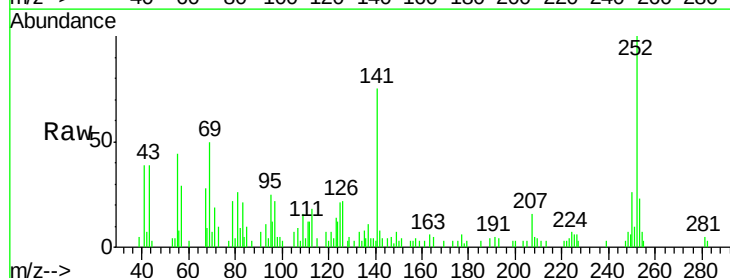
Tgt Ion: 252 Resp: 17562

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

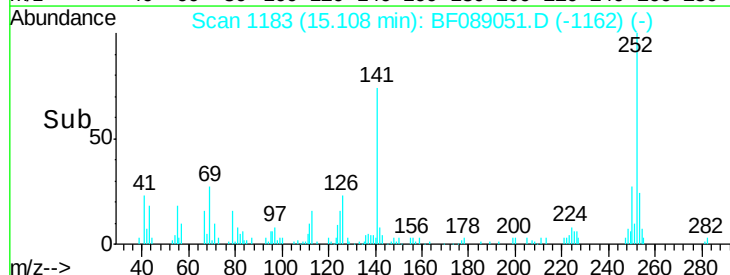
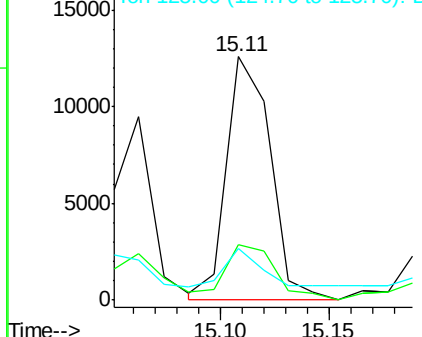
125 21.5 12.5 18.7#

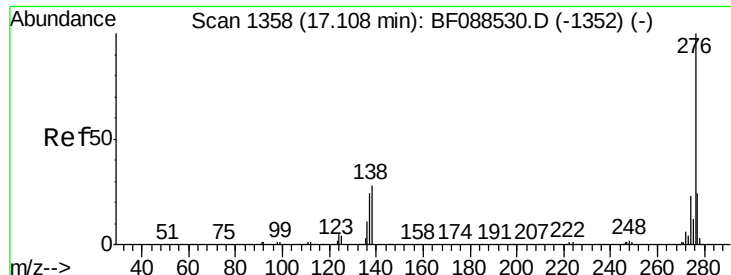


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





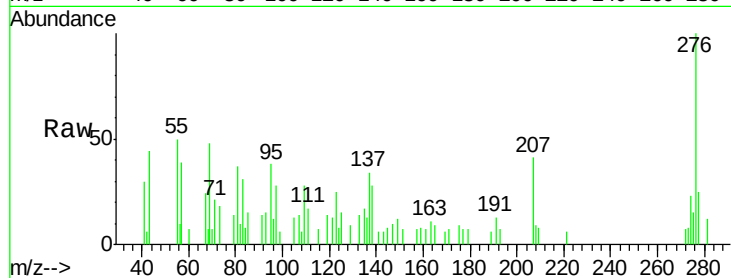
#91
 Benzo(a,h,i)perylene
 Concen: 2.02 ng
 RT: 16.82 min Scan# 1333
 Delta R.T. -0.07 min
 Lab File: BF089051.D
 Acq: 16 Jul 2016 13:07

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB02(0-2in)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.9	28.3
138	27.8	21.4	32.2

Manual Integrations

sohil
 7/18/2016 7:36:26 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

