

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
 Data File : BF094626.D
 Acq On : 26 Apr 2017 1:59
 Operator : SJ/MA
 Sample : I2820-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB434A

Manual Integrations
 APPROVED

mohammad
 4/26/2017 2:22:25 PM

Quant Time: Apr 26 13:12:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	118019	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	405381	20.00	ng	-0.01
38) Acenaphthene-d10	9.39	164	167204	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	259414	20.00	ng	0.00
75) Chrysene-d12	14.45	240	250767	20.00	ng	-0.01
86) Perylene-d12	16.08	264	178521	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	1004829	141.25	ng	0.00
7) Phenol-d6	5.38	99	1250289	149.09	ng	0.00
23) Nitrobenzene-d5	6.41	82	744436	113.39	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	171176	130.88	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1084767	95.46	ng	0.00
78) Terphenyl-d14	13.19	244	780879	83.23	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.12	142	71875m	5.39	ng	
49) Dimethylphthalate	9.08	163	152852	12.27	ng	# 99
51) Acenaphthene	9.43	154	49149m	4.85	ng	
57) Fluorene	10.07	166	104380	9.09	ng	# 90
70) Phenanthrene	11.24	178	294589	20.17	ng	97
71) Anthracene	11.30	178	33226m	2.20	ng	
74) Fluoranthene	12.70	202	41112	2.72	ng	92
77) Pyrene	12.97	202	72363m	4.13	ng	

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

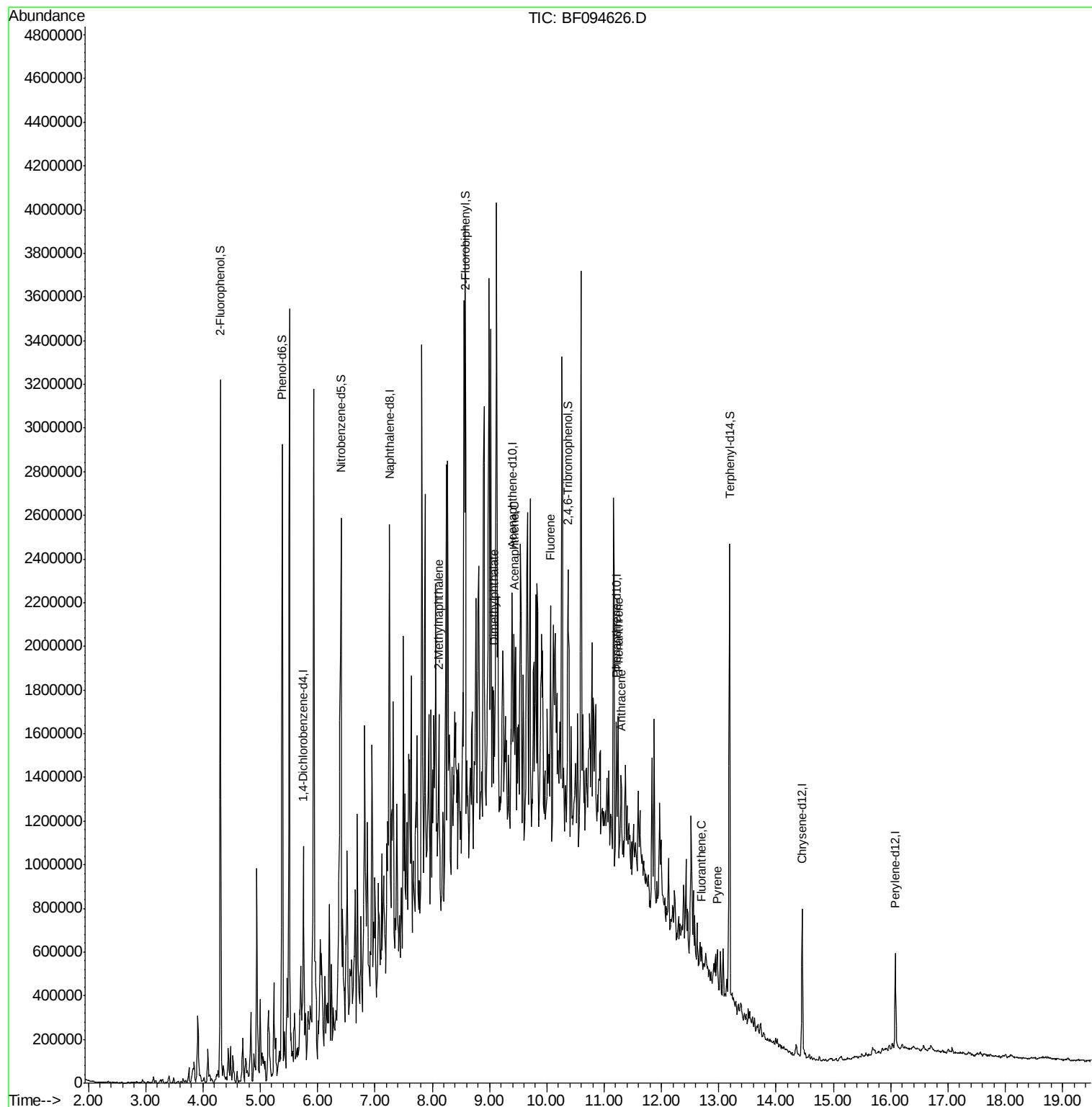
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094626.D
Acq On : 26 Apr 2017 1:59
Operator : SJ/MA
Sample : I2820-05
Misc :
ALS Vial : 29 Sample Multiplier: 1

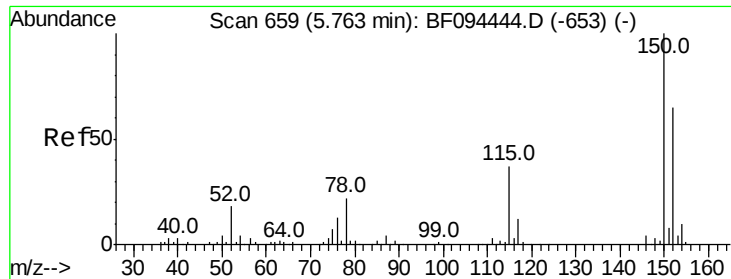
Instrument :
BNA_F
ClientSampleId :
HY-SB434A

Manual Integrations
APPROVED

mohammad
4/26/2017 2:22:25 PM

Quant Time: Apr 26 13:12:52 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 14:59:23 2017
Response via : Initial Calibration





#1

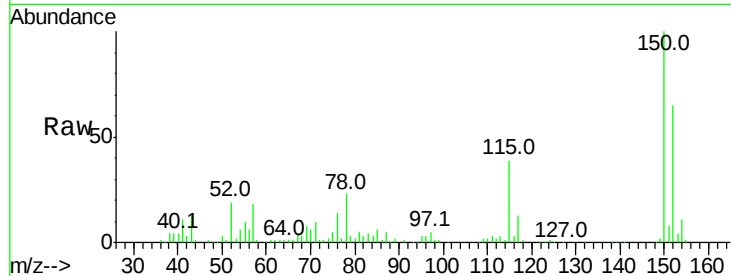
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF094626.D
Acq: 26 Apr 2017 1:59

Instrument :
BNA_F
ClientSampleId :
HY-SB434A

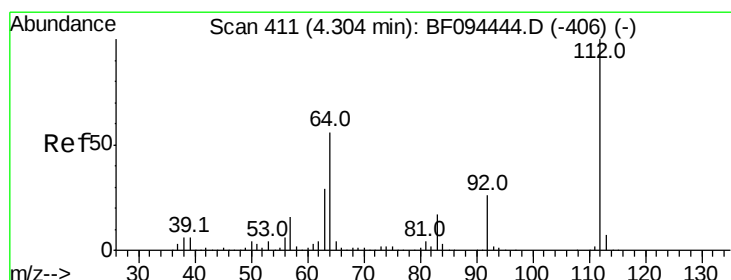
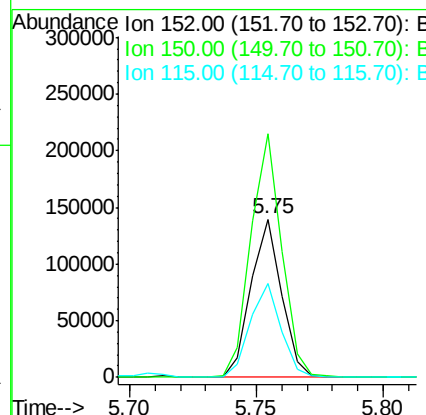
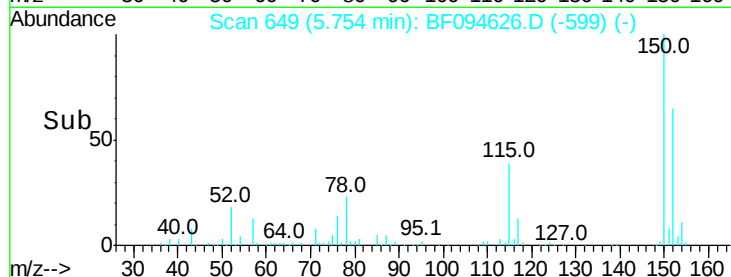
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	126.2	189.2
115	59.6	52.2	78.2

Manual Integrations
APPROVED

mohammad
4/26/2017 2:22:25 PM



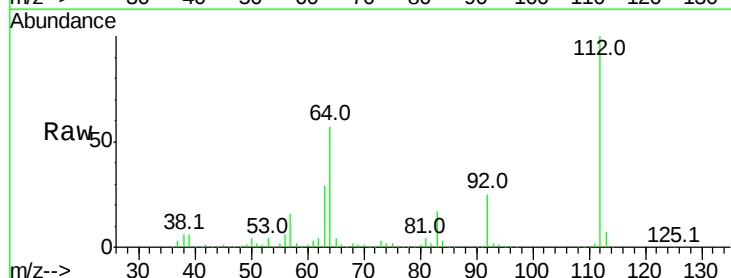
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



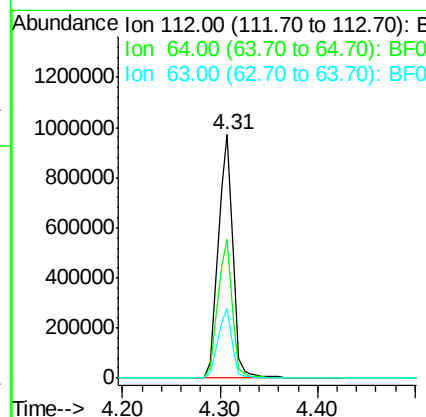
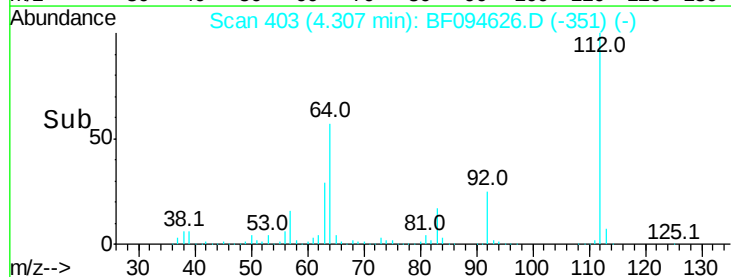
#5

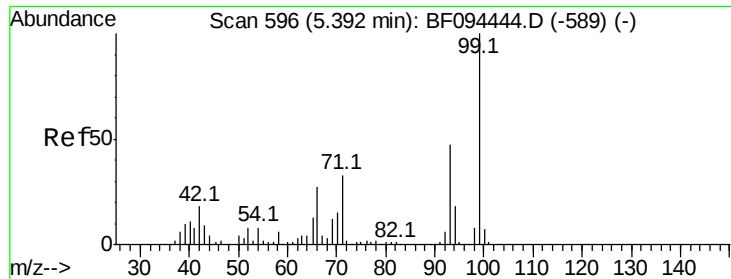
2-Fluorophenol
Concen: 141.25 ng
RT: 4.31 min Scan# 403
Delta R.T. 0.00 min
Lab File: BF094626.D
Acq: 26 Apr 2017 1:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	46.0	69.0
63	28.7	23.4	35.0



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: 149.09 ng

RT: 5.38 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF094626.D

Acq: 26 Apr 2017 1:59

Instrument :

BNA_F

ClientSampleId :

HY-SB434A

Tot Ion: 99 Resp: 1250289

Ion Ratio Lower Upper

99 100

42 17.7 13.5 20.3

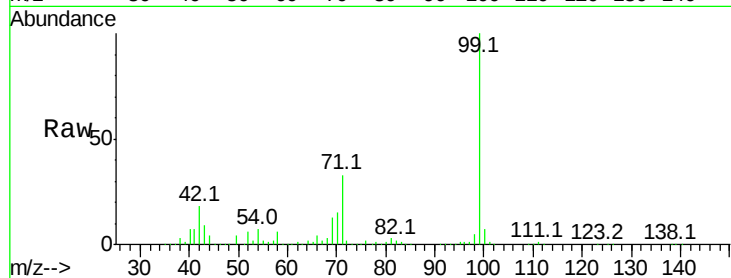
71 33.5 24.5 36.7

Manual Integrations

APPROVED

mohammad

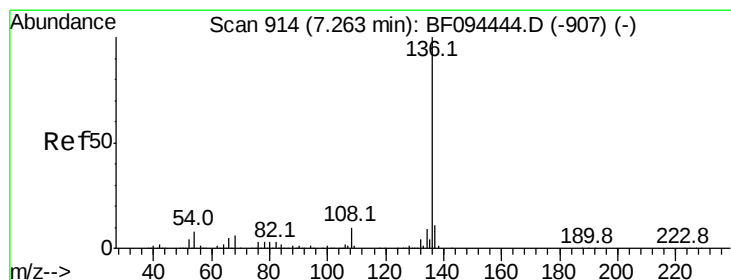
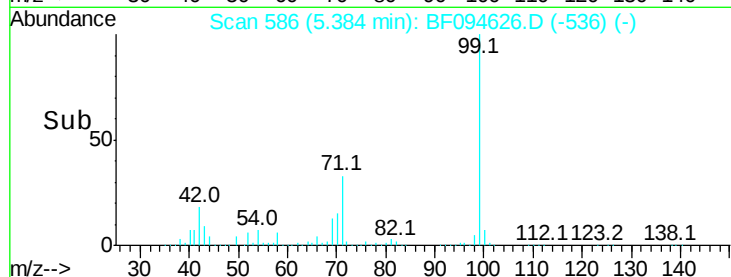
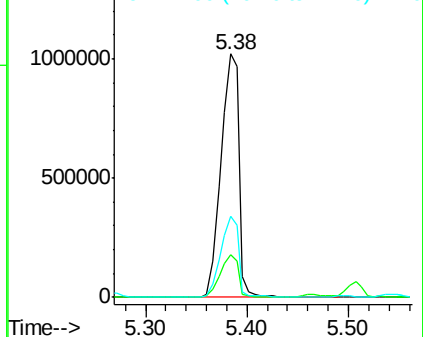
4/26/2017 2:22:25 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF094626.D

Acq: 26 Apr 2017 1:59

Tgt Ion: 136 Resp: 405381

Ion Ratio Lower Upper

136 100

137 12.1 8.5 12.7

54 8.6 4.9 7.3#

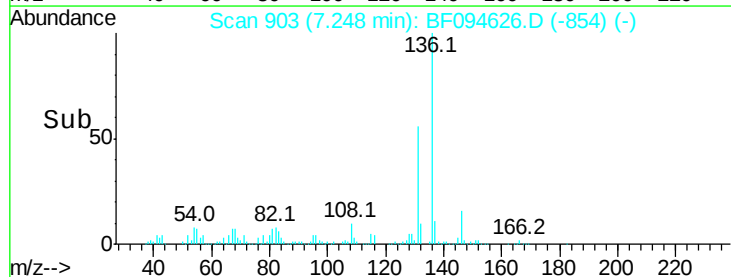
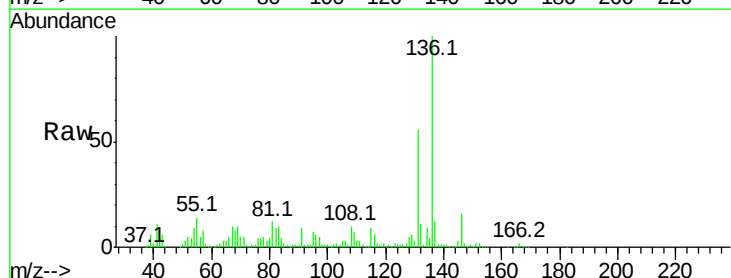
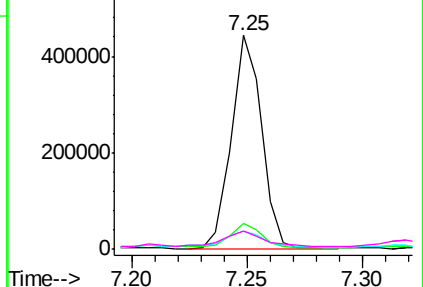
68 8.5 4.1 6.1#

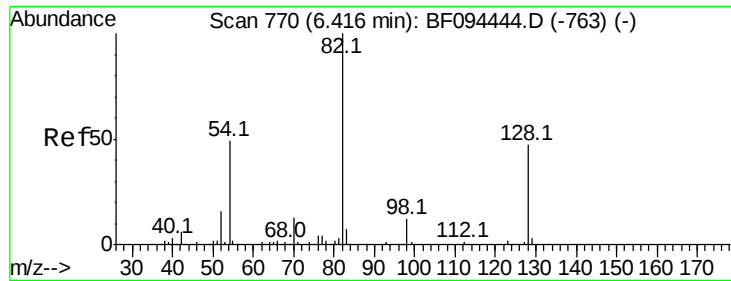
Abundance Ion 136.00 (135.70 to 136.70): E

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: 113.39 ng

RT: 6.41 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF094626.D

Acq: 26 Apr 2017 1:59

Instrument :

BNA_F

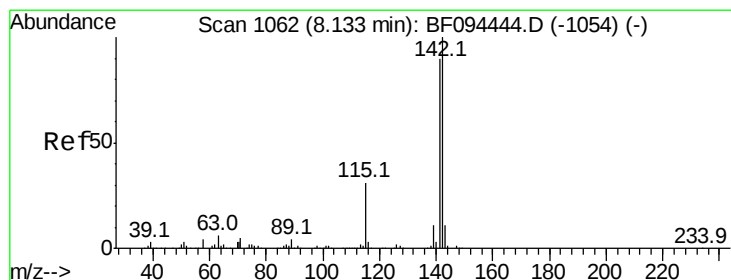
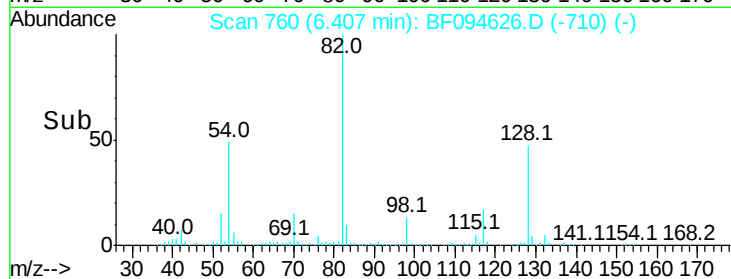
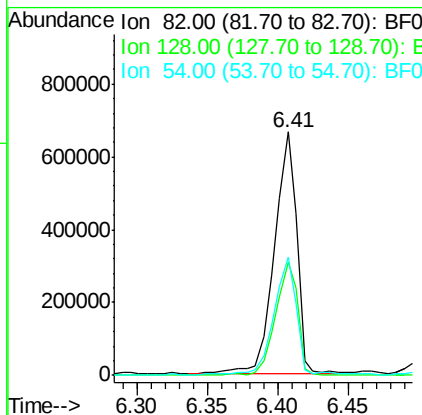
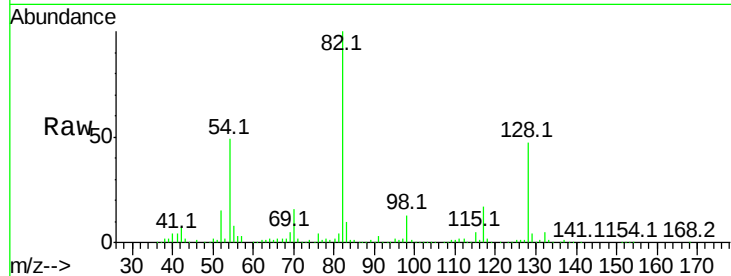
ClientSampled :

HY-SB434A

Tot Ion:	82	Resp:	744436
Ion Ratio	Lower	Upper	
82	100		
128	46.6	34.0	51.0
54	48.5	42.2	63.2

Manual Integrations
APPROVED

mohammad
4/26/2017 2:22:25 PM



#37

2-Methylnaphthalene

Concen: 5.39 ng m

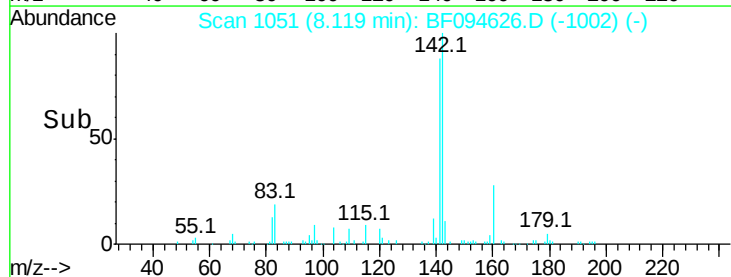
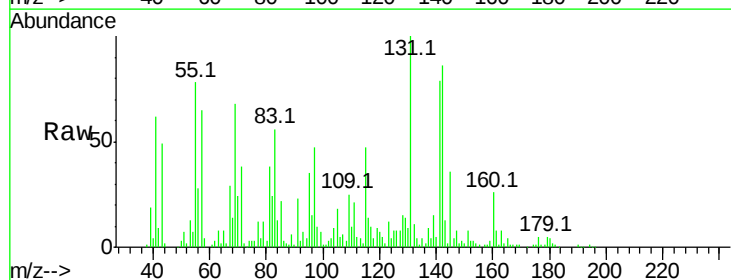
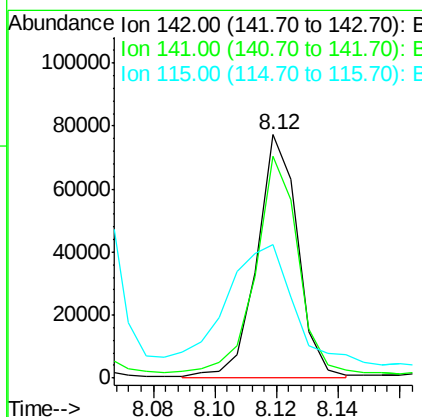
RT: 8.12 min Scan# 1051

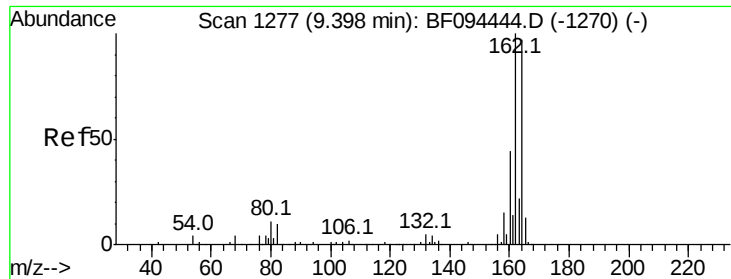
Delta R.T. -0.01 min

Lab File: BF094626.D

Acq: 26 Apr 2017 1:59

Tgt Ion:	142	Resp:	71875
Ion Ratio	Lower	Upper	
142	100		
141	91.1	71.3	106.9
115	54.7	27.1	40.7#





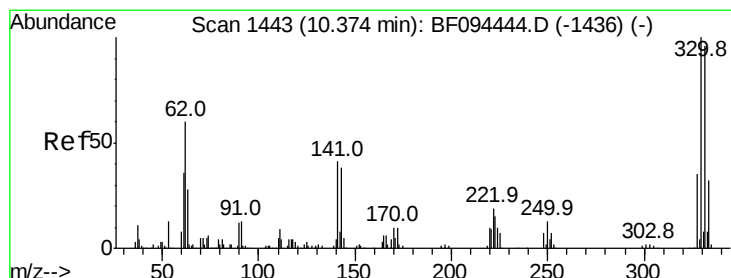
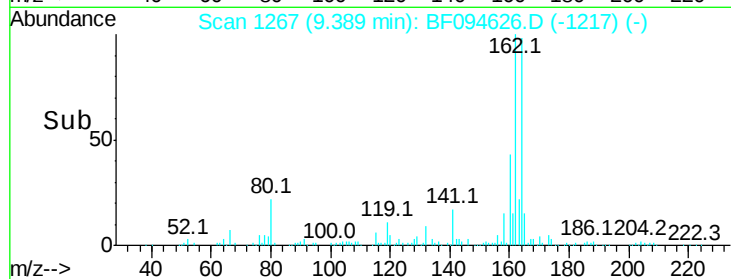
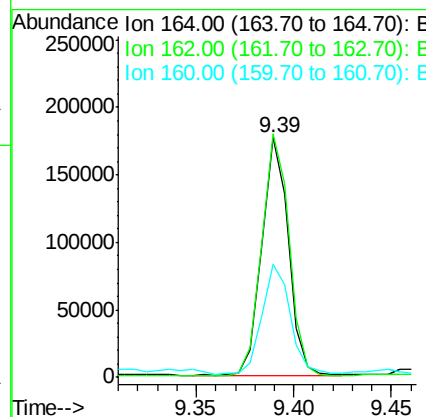
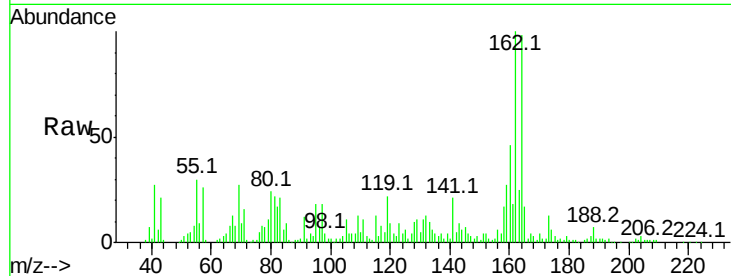
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.39 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF094626.D
Acq: 26 Apr 2017 1:59

Instrument :
BNA_F
ClientSampleId :
HY-SB434A

Tot Ion	Ratio	Resp	Lower	Upper
164	100	167204		
162	101.6	82.6	123.8	
160	47.1	36.2	54.2	

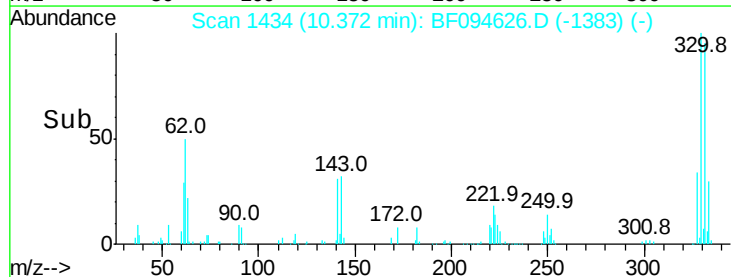
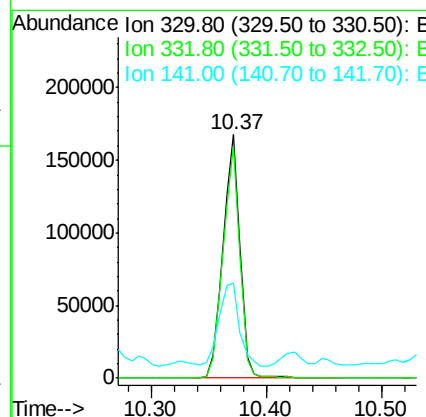
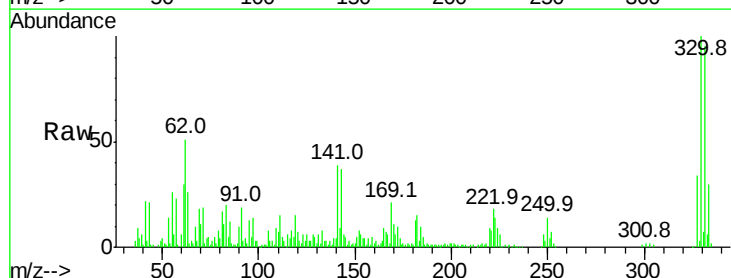
Manual Integrations
APPROVED

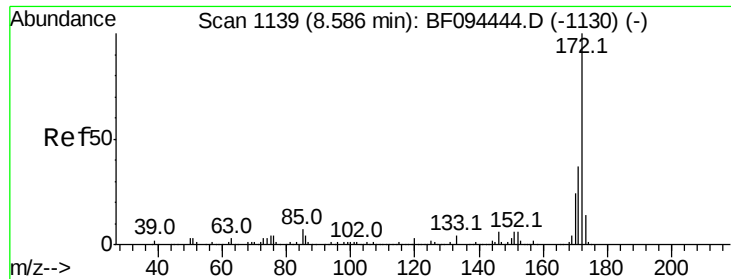
mohammad
4/26/2017 2:22:25 PM



#41
2,4,6-Tribromophenol
Concen: 130.88 ng
RT: 10.37 min Scan# 1434
Delta R.T. -0.00 min
Lab File: BF094626.D
Acq: 26 Apr 2017 1:59

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	171176		
332	94.5	76.6	115.0	
141	41.0	31.4	47.2	





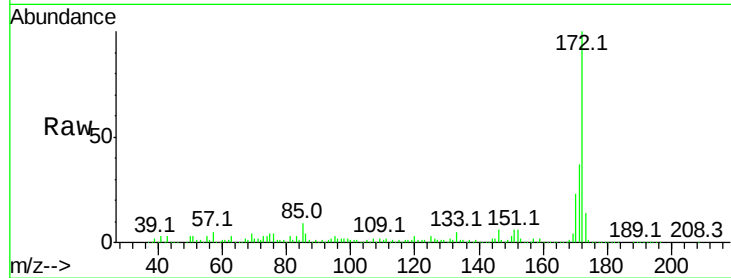
#44
2-Fluorobiphenyl
Concen: 95.46 ng
RT: 8.58 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF094626.D
Acq: 26 Apr 2017 1:59

Instrument :
BNA_F
ClientSampleId :
HY-SB434A

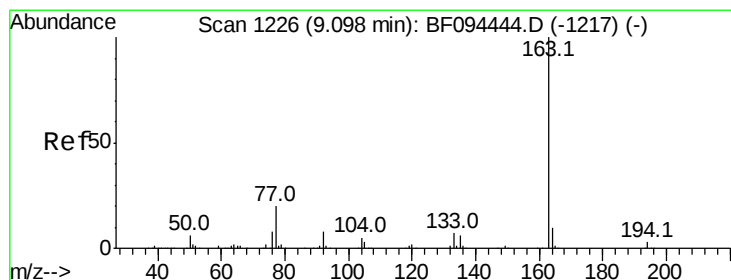
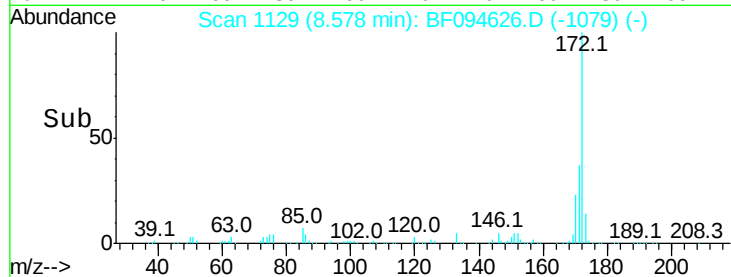
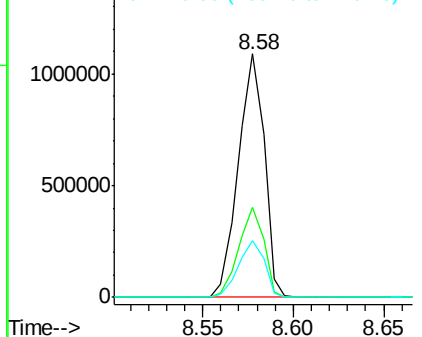
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	23.5	19.8	29.8

Manual Integrations
APPROVED

mohammad
4/26/2017 2:22:25 PM

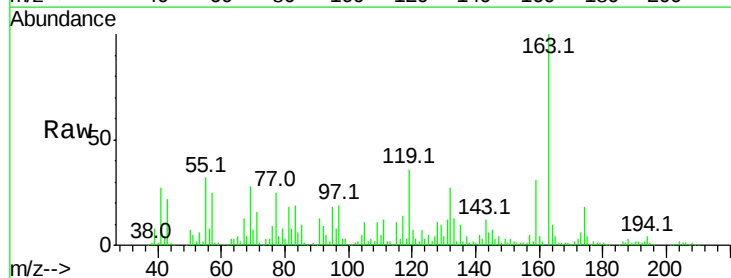


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

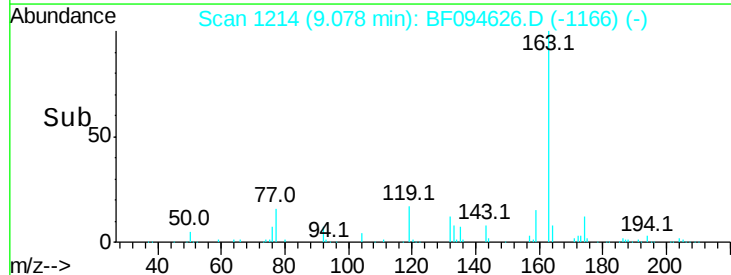
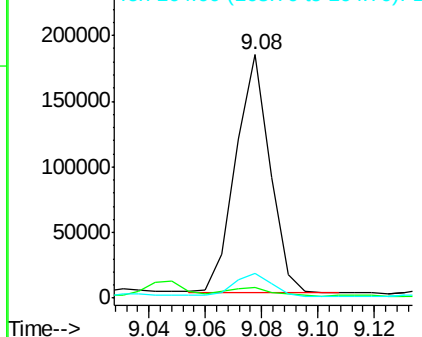


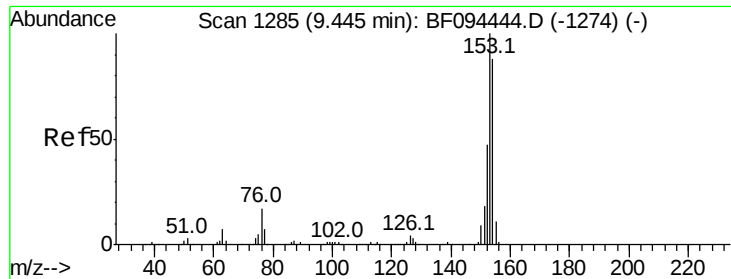
#49
Dimethylphthalate
Concen: 12.27 ng
RT: 9.08 min Scan# 1214
Delta R.T. -0.02 min
Lab File: BF094626.D
Acq: 26 Apr 2017 1:59

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.6	4.0#
164	10.2	8.4	12.6



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





#51

Acenaphthene

Concen: 4.85 ng

RT: 9.43 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BF094626.D

Acq: 26 Apr 2017 1:59

Instrument :

BNA_F

ClientSampleId :

HY-SB434A

Tot Ion:154 Resp: 49149

Ion Ratio Lower Upper

154 100

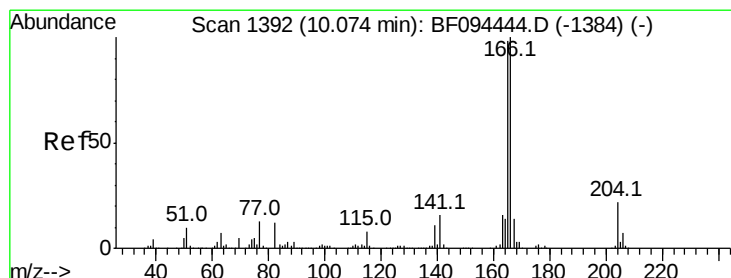
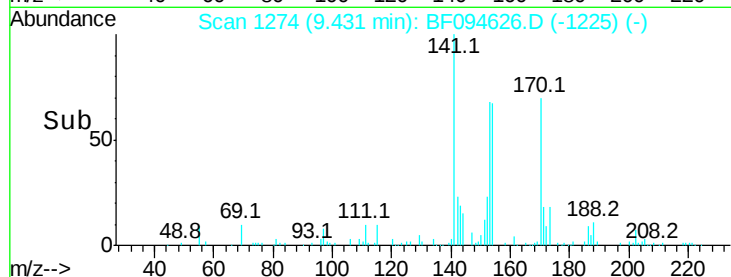
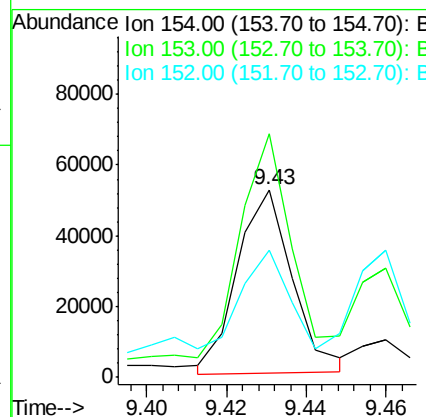
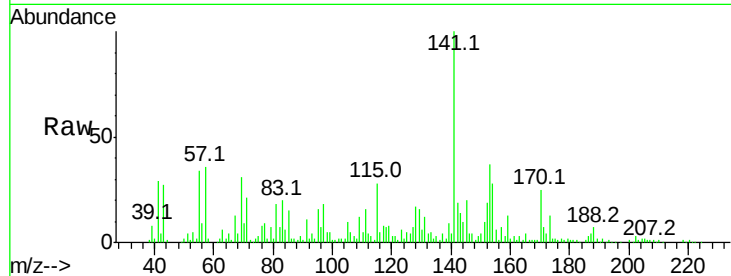
153 129.7 90.5 135.7

152 67.5 43.6 65.4#

Manual Integrations
APPROVED

mohammad

4/26/2017 2:22:25 PM



#57

Fluorene

Concen: 9.09 ng

RT: 10.07 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BF094626.D

Acq: 26 Apr 2017 1:59

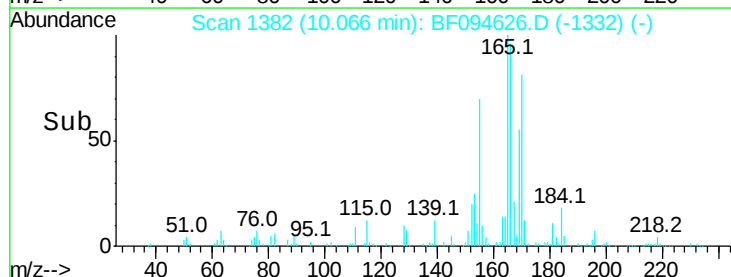
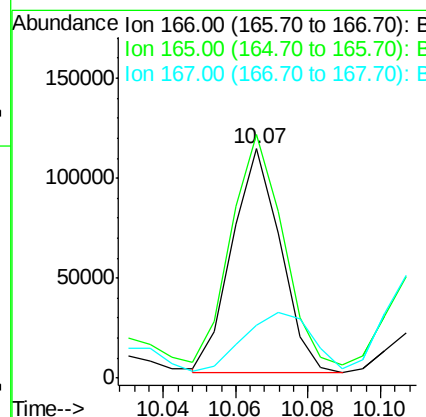
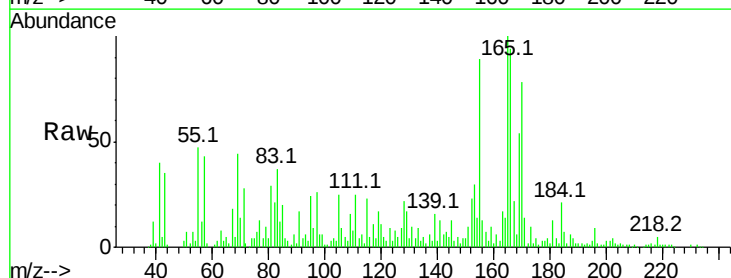
Tgt Ion:166 Resp: 104380

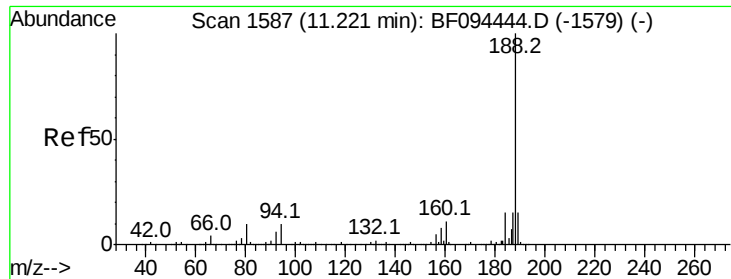
Ion Ratio Lower Upper

166 100

165 106.1 78.8 118.2

167 23.2 10.6 16.0#





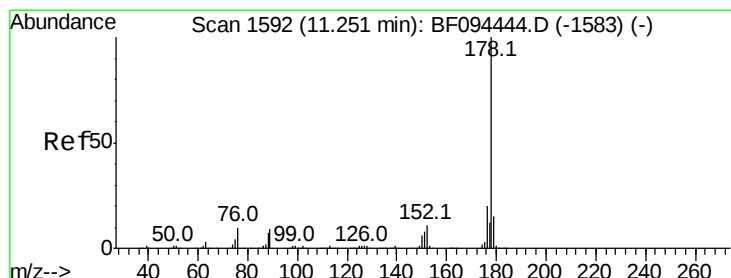
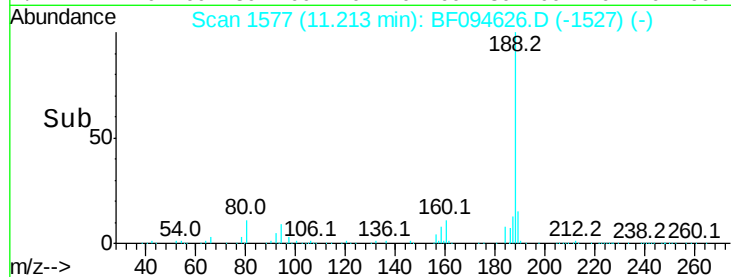
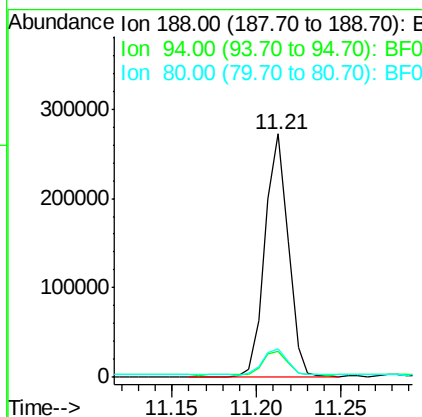
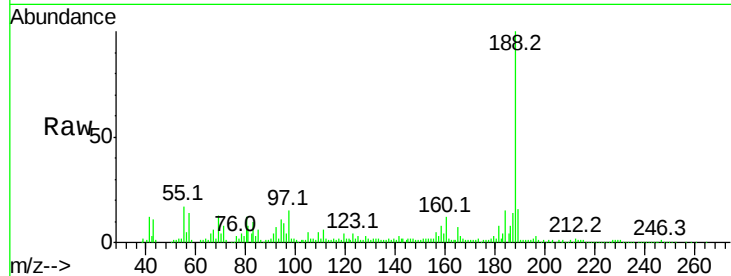
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF094626.D
Acq: 26 Apr 2017 1:59

Instrument :
BNA_F
ClientSampleId :
HY-SB434A

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.6	9.4	14.2
80	12.0	10.2	15.2

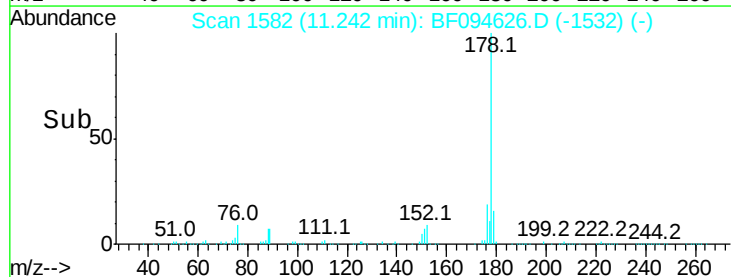
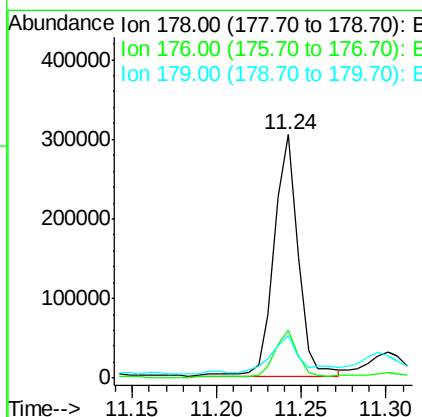
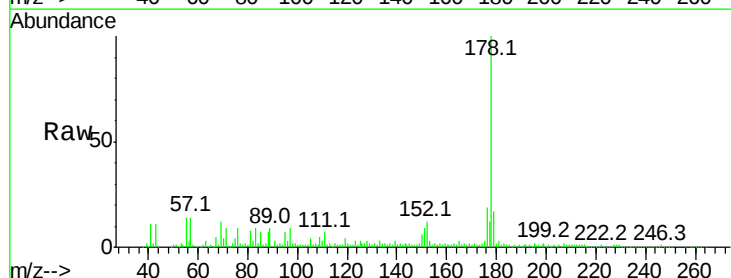
Manual Integrations
APPROVED

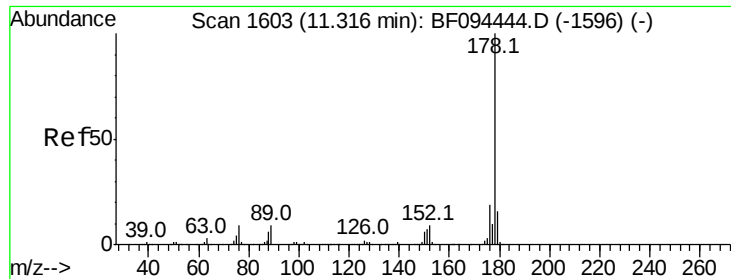
mohammad
4/26/2017 2:22:25 PM



#70
Phenanthrene
Concen: 20.17 ng
RT: 11.24 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF094626.D
Acq: 26 Apr 2017 1:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.5	16.2	24.4
179	17.3	12.6	19.0





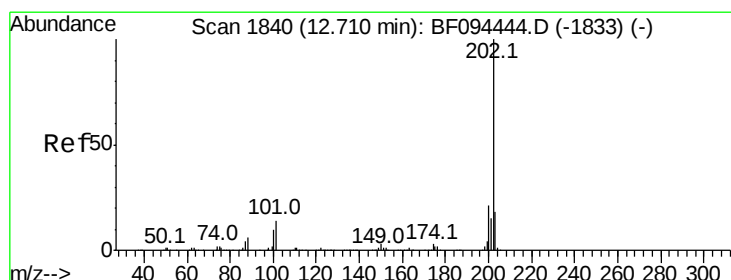
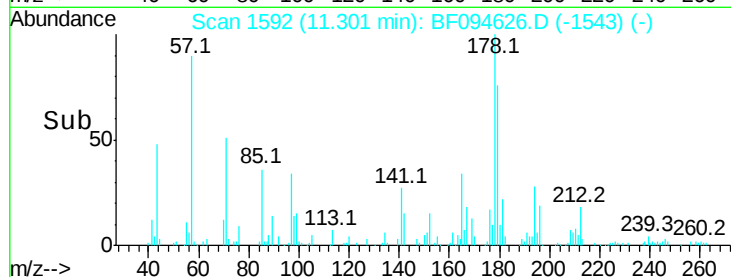
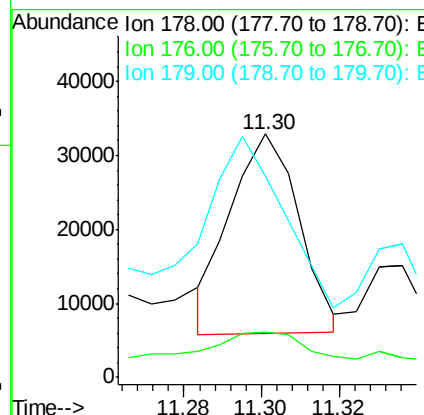
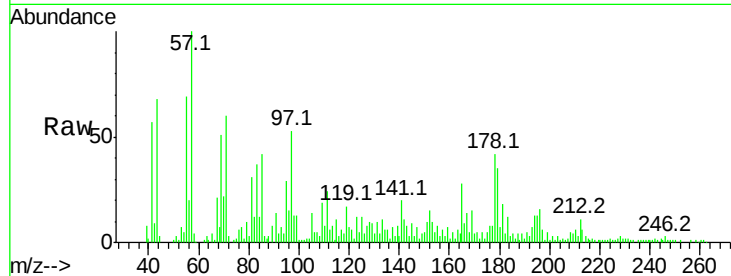
#71
 Anthracene
 Concen: 2.20 ng m
 RT: 11.30 min Scan# 1592
 Delta R.T. -0.01 min
 Lab File: BF094626.D
 Acq: 26 Apr 2017 1:59

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB434A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	82.8	12.7	19.1

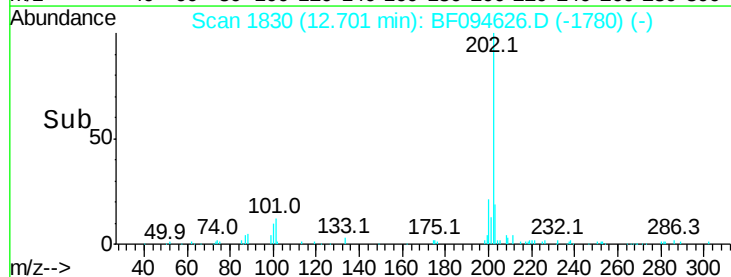
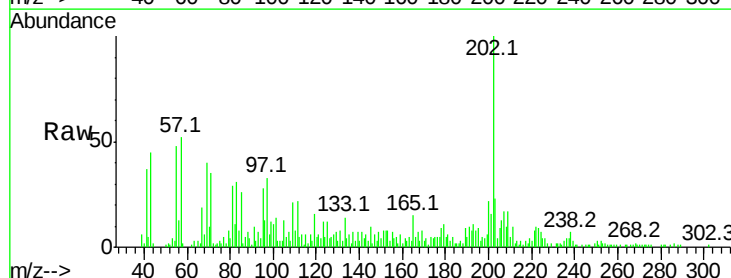
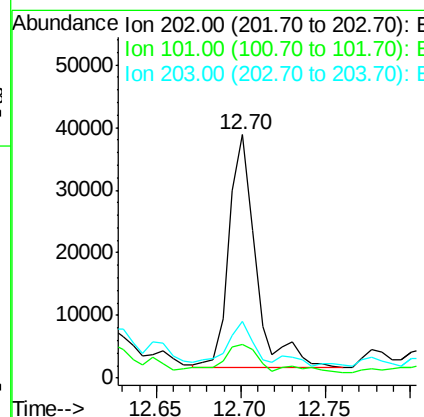
Manual Integrations
 APPROVED

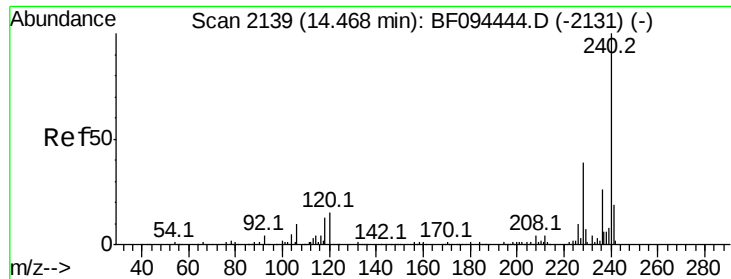
mohammad
 4/26/2017 2:22:25 PM



#74
 Fluoranthene
 Concen: 2.72 ng
 RT: 12.70 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF094626.D
 Acq: 26 Apr 2017 1:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	33.2
203	23.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.45 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF094626.D

Acq: 26 Apr 2017 1:59

Instrument :

BNA_F

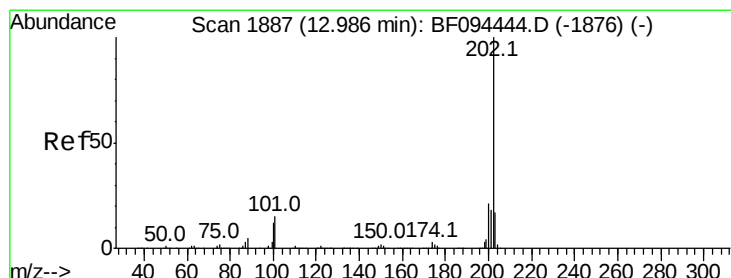
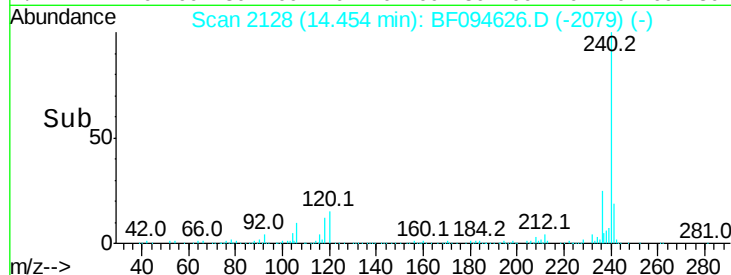
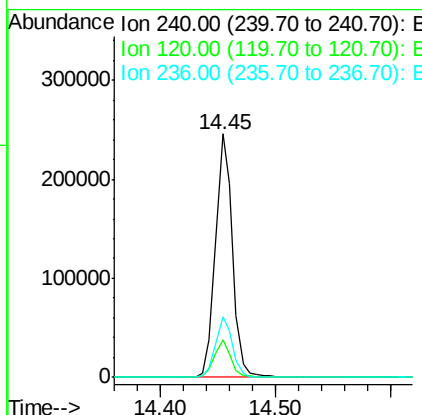
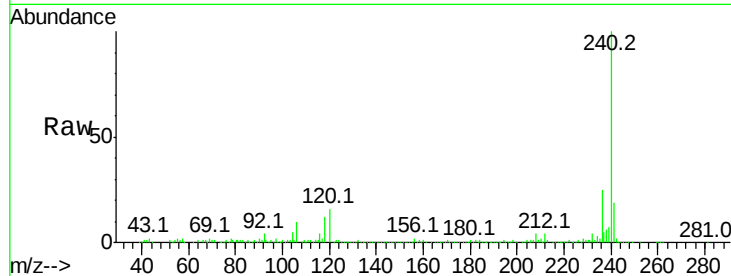
ClientSampleId :

HY-SB434A

Tot Ion	Ratio	Resp	Lower	Upper
240	100	250767		
120	15.6	5.8	8.8#	
236	24.8	20.5	30.7	

Manual Integrations
APPROVED

mohammad
4/26/2017 2:22:25 PM



#77

Pyrene

Concen: 4.13 ng m

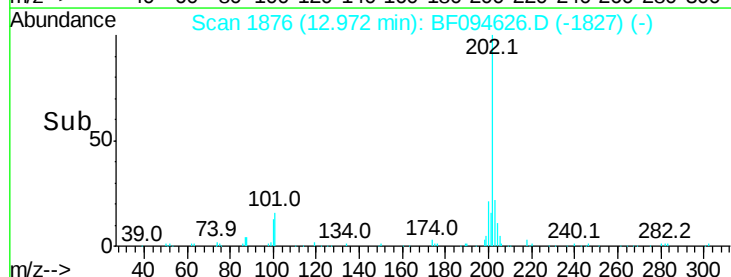
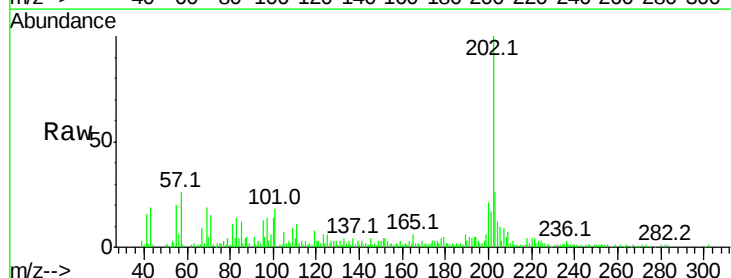
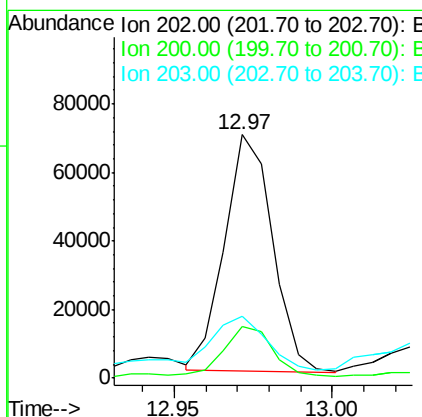
RT: 12.97 min Scan# 1876

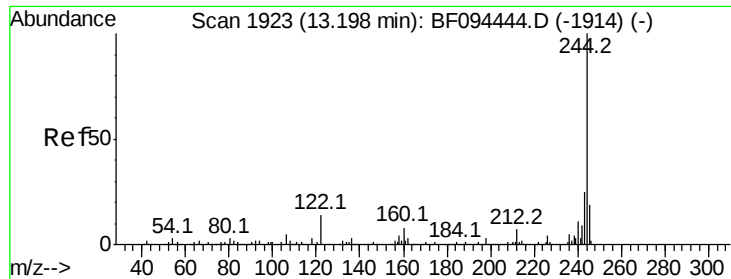
Delta R.T. -0.01 min

Lab File: BF094626.D

Acq: 26 Apr 2017 1:59

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	72363		
200	21.4	17.6	26.4	
203	25.6	14.4	21.6#	





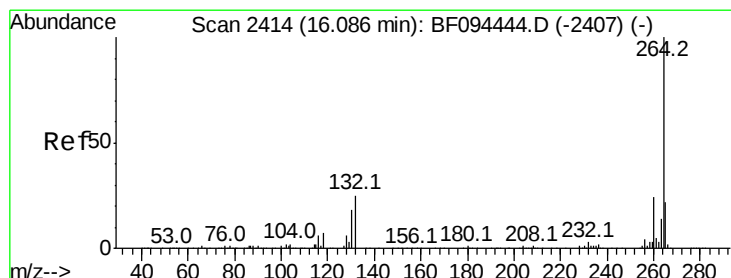
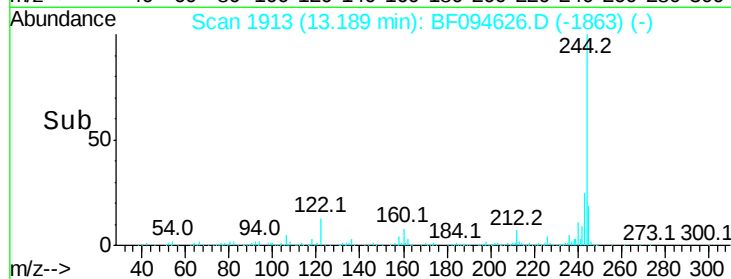
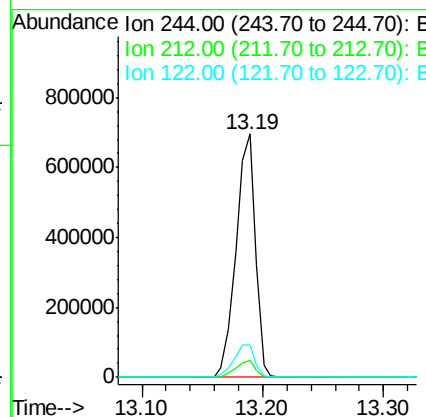
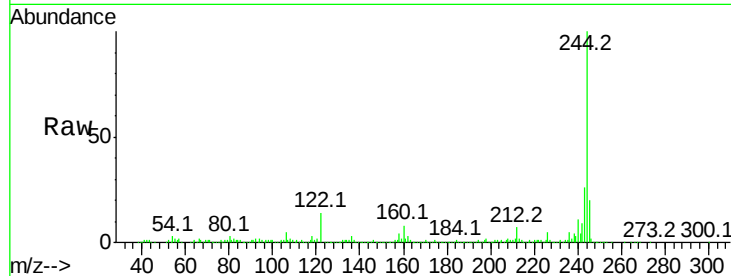
#78
 Terphenyl-d14
 Concen: 83.23 ng
 RT: 13.19 min Scan# 1913
 Delta R.T. -0.01 min
 Lab File: BF094626.D
 Acq: 26 Apr 2017 1:59

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB434A

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.5	10.3	15.5

Manual Integrations
 APPROVED

mohammad
 4/26/2017 2:22:25 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.08 min Scan# 2405
 Delta R.T. -0.00 min
 Lab File: BF094626.D
 Acq: 26 Apr 2017 1:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.7	17.2	25.8

