

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094126.D
 Acq On : 3 Apr 2017 17:43
 Operator : SJ/MA
 Sample : I2501-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Manual Integrations
 APPROVED

mohammad
 4/4/2017 5:34:00 PM

Quant Time: Apr 04 01:39:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	189361	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	790143	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	373494	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	634330	20.00	ng	-0.02
75) Chrysene-d12	14.61	240	463949	20.00	ng	-0.02
86) Perylene-d12	16.23	264	332633	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.43	112	946653	84.44	ng	0.00
7) Phenol-d6	5.49	99	1218584	87.86	ng	-0.02
23) Nitrobenzene-d5	6.53	82	769088	55.55	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	251625	85.26	ng	-0.02
44) 2-Fluorobiphenyl	8.71	172	1344343	54.90	ng	-0.02
78) Terphenyl-d14	13.33	244	1045456	50.51	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.21	163	144786	5.45	ng	97
70) Phenanthrene	11.39	178	557773	15.81	ng	98
71) Anthracene	11.45	178	131329	3.61	ng	99
74) Fluoranthene	12.85	202	719403	19.91	ng	99
77) Pyrene	13.12	202	646238	19.19	ng	98
80) Benzo(a)anthracene	14.59	228	252914	9.35	ng	99
82) Chrysene	14.64	228	250476m	9.98	ng	
85) Indeno(1,2,3-cd)pyrene	17.57	276	95675	4.40	ng	98
87) Benzo(b)fluoranthene	15.83	252	229472m	11.25	ng	
88) Benzo(k)fluoranthene	15.85	252	80922m	4.06	ng	
89) Benzo(a)pyrene	16.17	252	161101	8.58	ng	100
91) Benzo(a,h,i)perylene	17.96	276	92592	5.78	ng	97

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

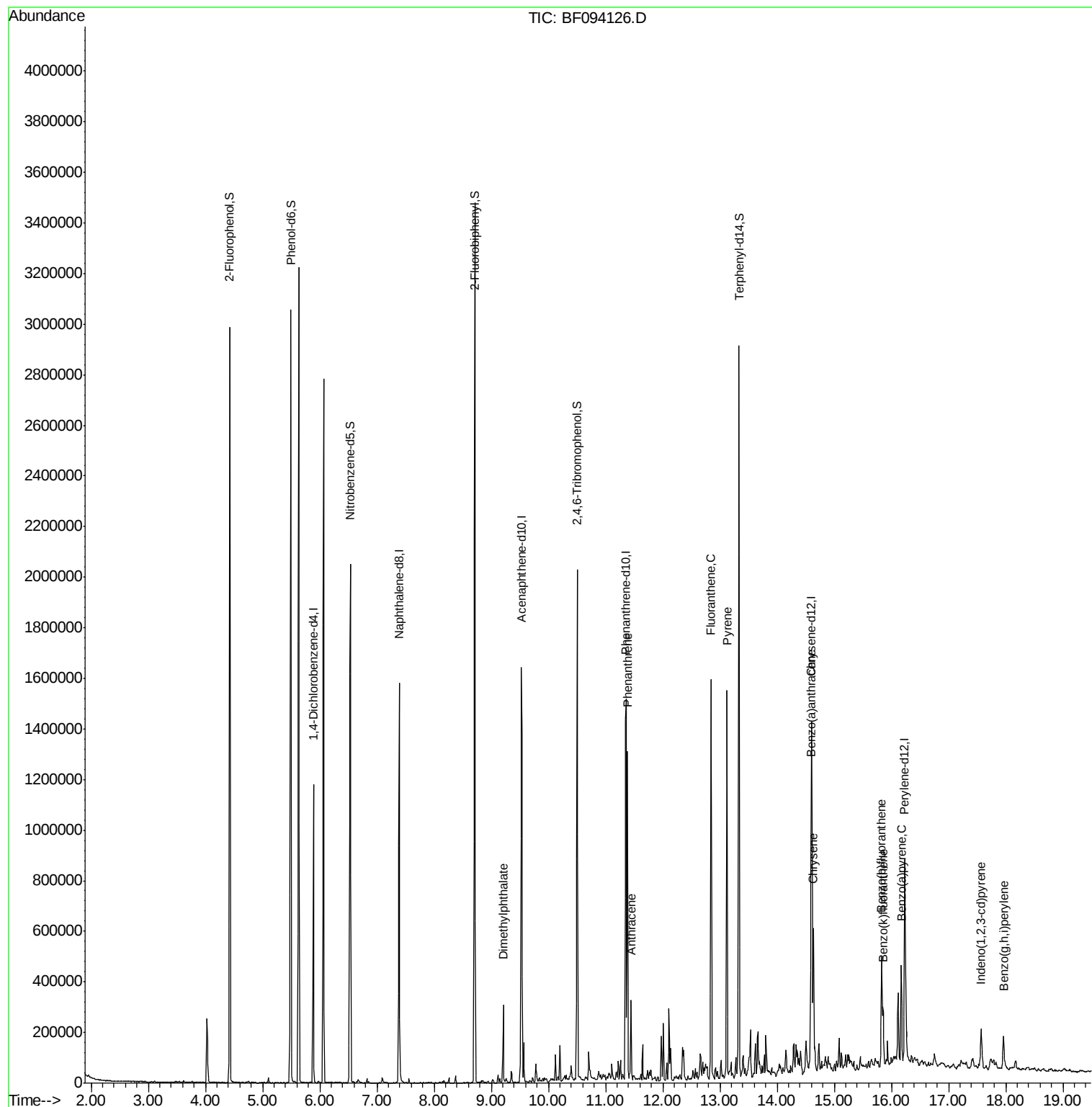
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094126.D
Acq On : 3 Apr 2017 17:43
Operator : SJ/MA
Sample : I2501-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

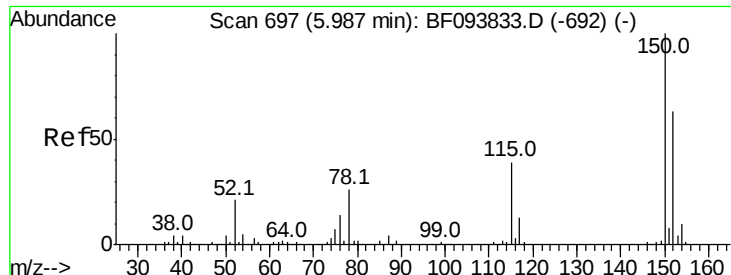
Instrument :
BNA_F
ClientSampleId :
TP-2

Manual Integrations
APPROVED

mohammad
4/4/2017 5:34:00 PM

Quant Time: Apr 04 01:39:03 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 14:38:29 2017
Response via : Initial Calibration





#1

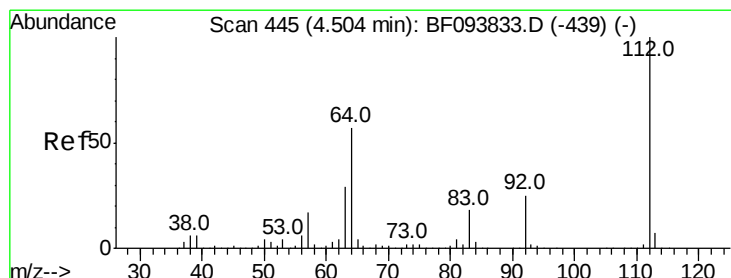
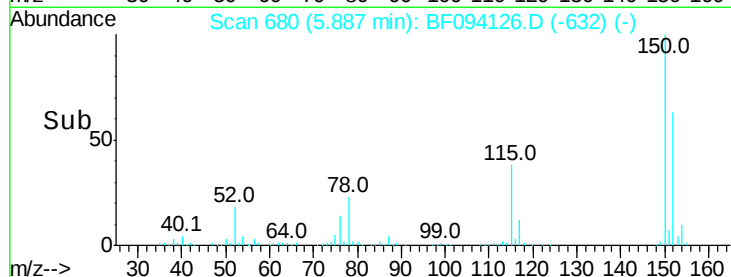
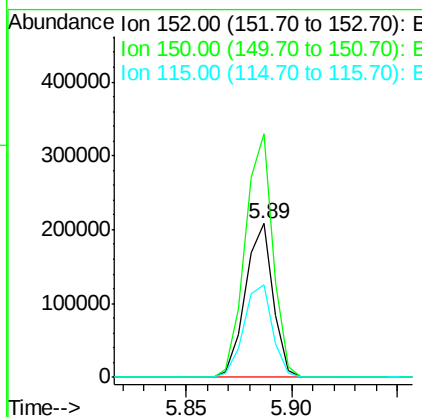
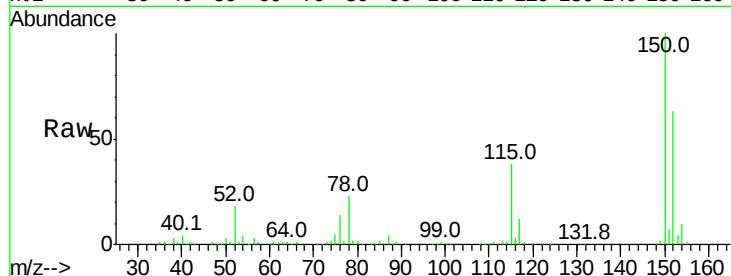
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.89 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF094126.D
Acq: 3 Apr 2017 17:43

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	126.2	189.2
115	60.2	52.2	78.2

Manual Integrations
APPROVED

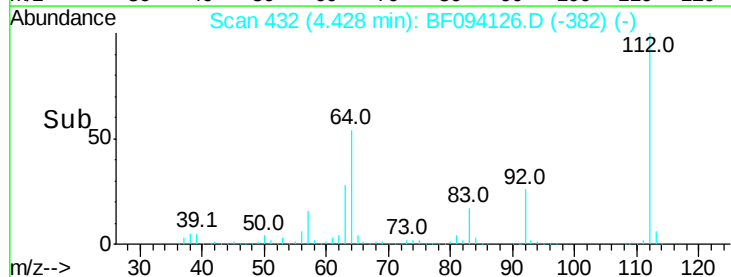
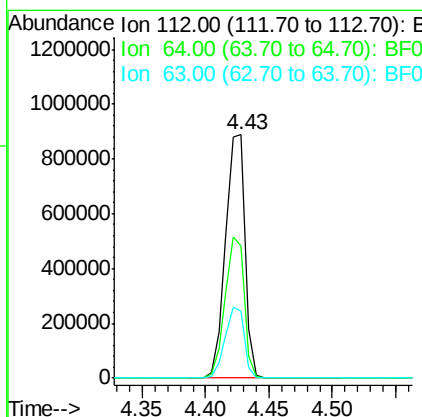
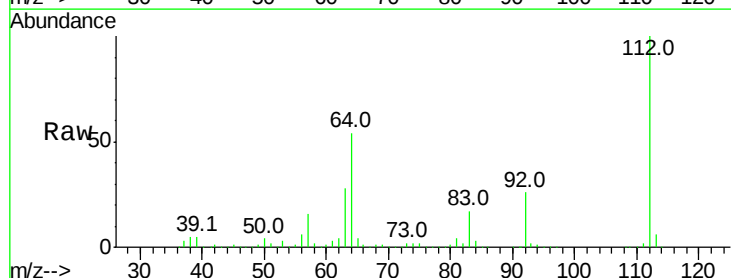
mohammad
4/4/2017 5:34:00 PM

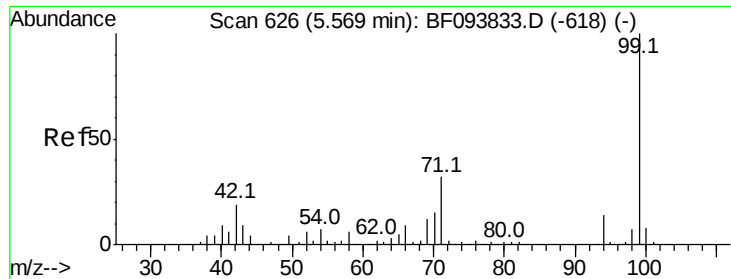


#5

2-Fluorophenol
Concen: 84.44 ng
RT: 4.43 min Scan# 432
Delta R.T. -0.01 min
Lab File: BF094126.D
Acq: 3 Apr 2017 17:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	46.0	69.0
63	27.7	23.4	35.0





#7

Phenol-d6

Concen: 87.86 ng

RT: 5.49 min Scan# 613

Delta R.T. -0.02 min

Lab File: BF094126.D

Acq: 3 Apr 2017 17:43

Instrument :

BNA_F

ClientSampled :

TP-2

Tot Ion: 99 Resp: 1218584

Ion Ratio Lower Upper

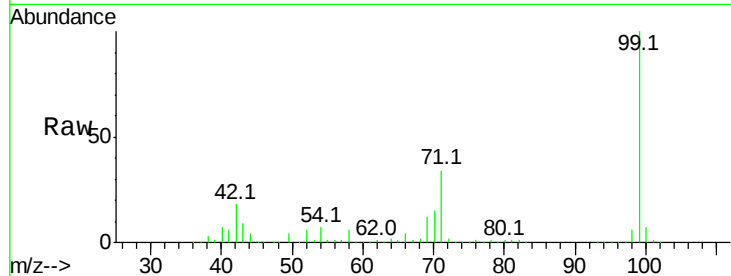
99 100

42 17.7 13.5 20.3

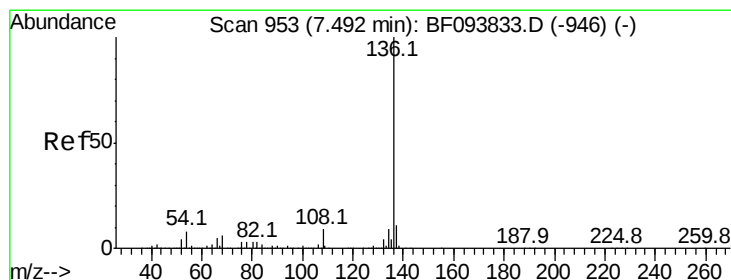
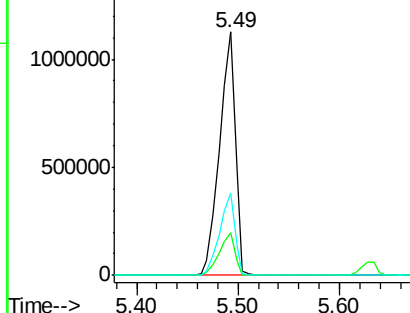
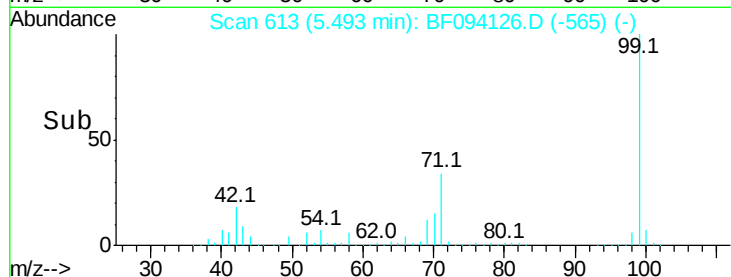
71 33.6 24.5 36.7

Manual Integrations
APPROVED

mohammad
4/4/2017 5:34:00 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: 7.39 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF094126.D

Acq: 3 Apr 2017 17:43

Tgt Ion: 136 Resp: 790143

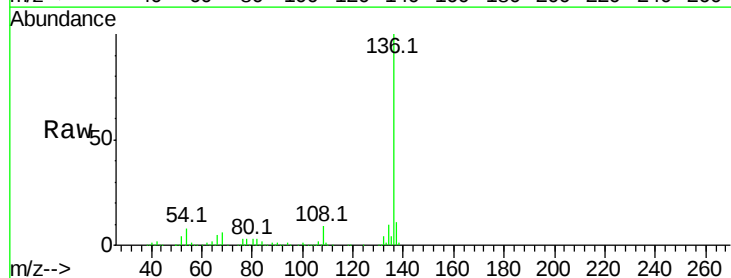
Ion Ratio Lower Upper

136 100

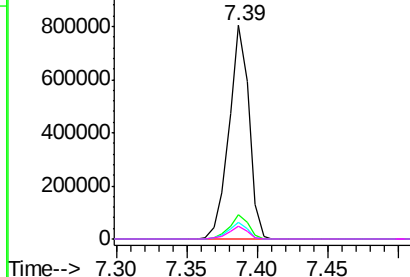
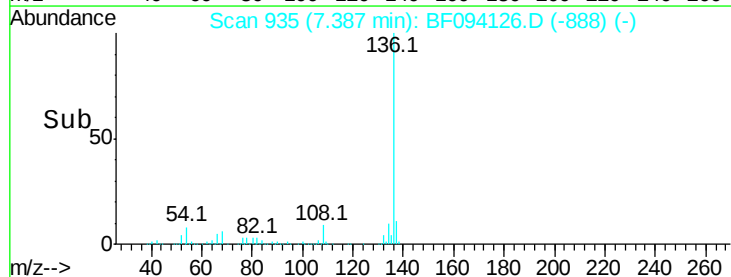
137 11.3 8.5 12.7

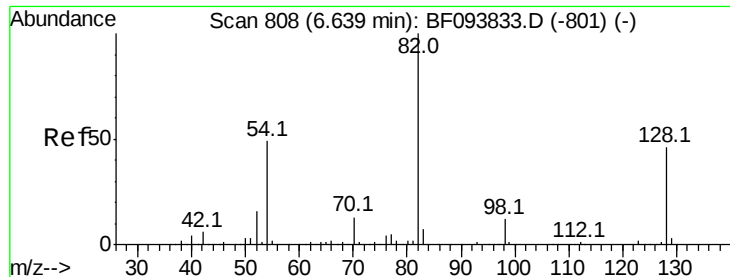
54 7.6 4.9 7.3#

68 6.0 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





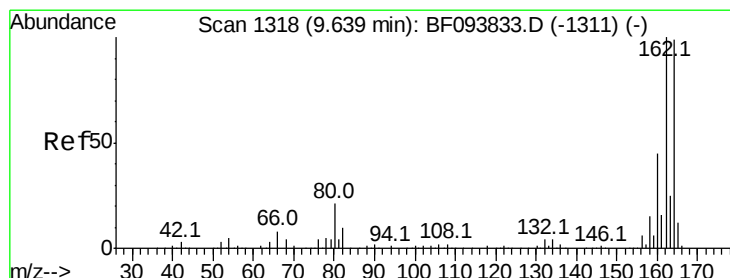
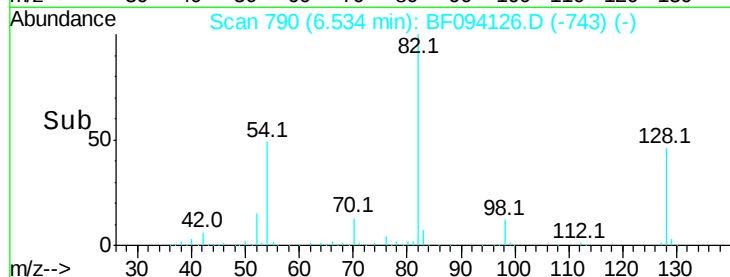
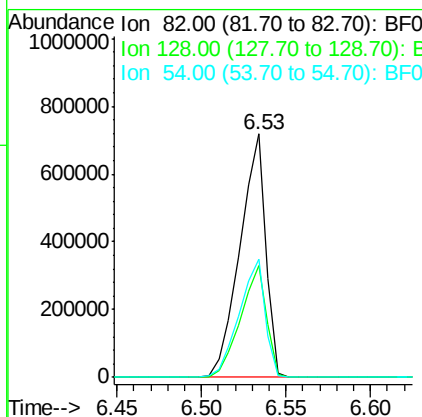
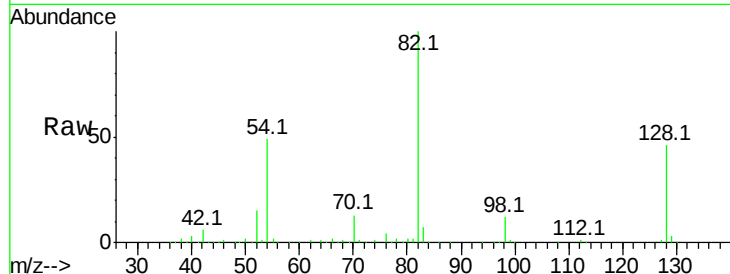
#23
 Nitrobenzene-d5
 Concen: 55.55 ng
 RT: 6.53 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF094126.D
 Acq: 3 Apr 2017 17:43

Instrument :
 BNA_F
 ClientSampled :
 TP-2

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.9	34.0	51.0	
54	48.8	42.2	63.2	

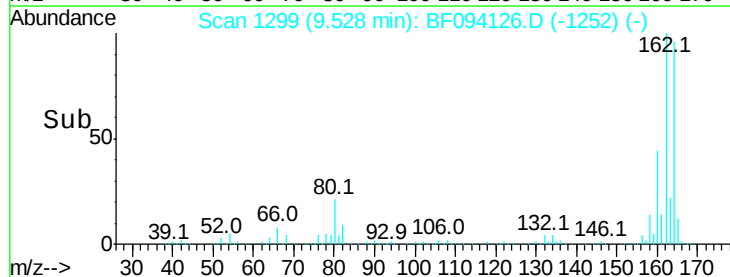
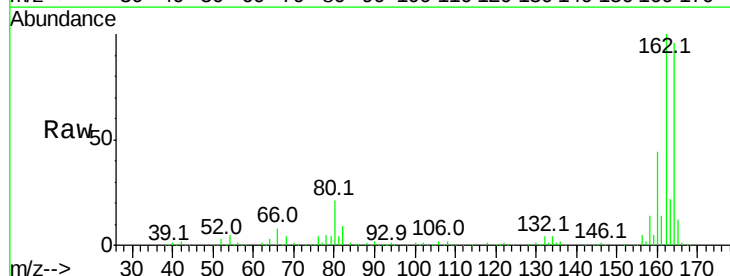
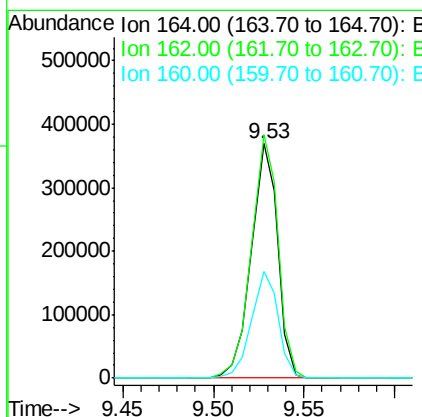
Manual Integrations
 APPROVED

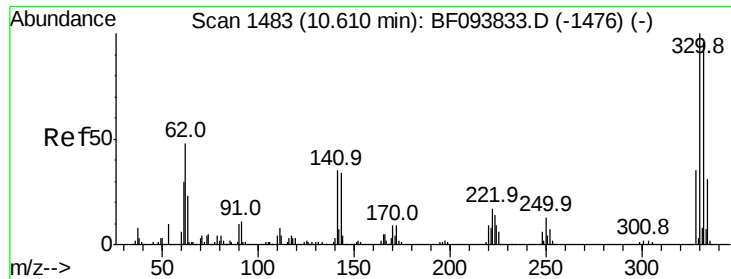
mohammad
 4/4/2017 5:34:00 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.02 min
 Lab File: BF094126.D
 Acq: 3 Apr 2017 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.9	82.6	123.8	
160	45.3	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 85.26 ng

RT: 10.50 min Scan# 1465

Delta R.T. -0.02 min

Lab File: BF094126.D

Acq: 3 Apr 2017 17:43

Instrument :

BNA_F

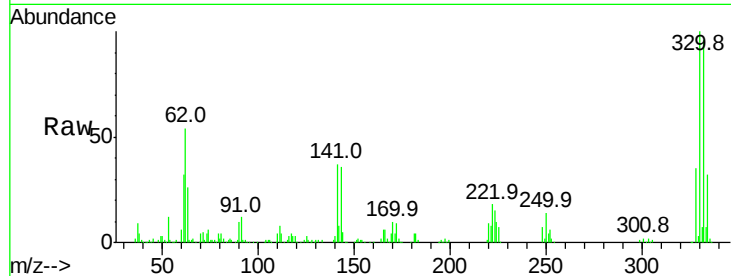
ClientSampled :

TP-2

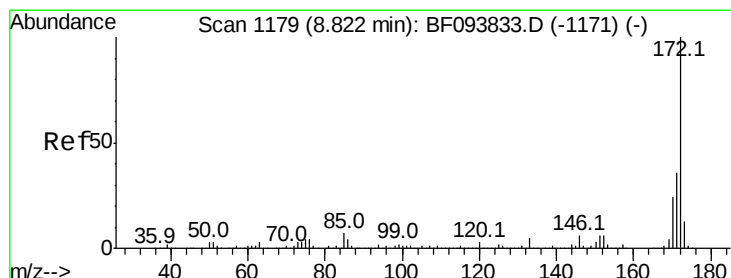
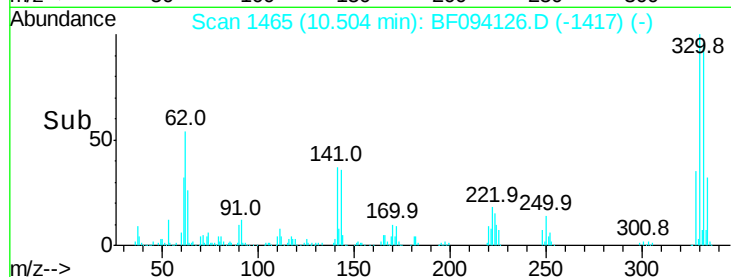
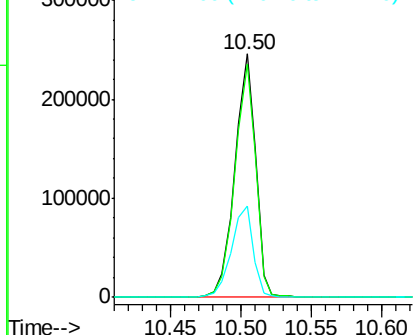
Tot Ion:	330	Resp:	251625
Ion Ratio	Lower	Upper	
330	100		
332	96.4	76.6	115.0
141	39.4	31.4	47.2

Manual Integrations
APPROVED

mohammad
4/4/2017 5:34:00 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: 54.90 ng

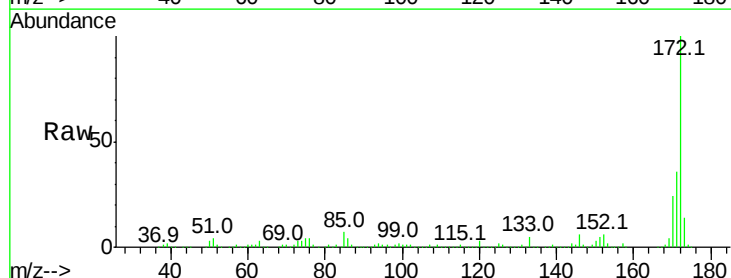
RT: 8.71 min Scan# 1160

Delta R.T. -0.02 min

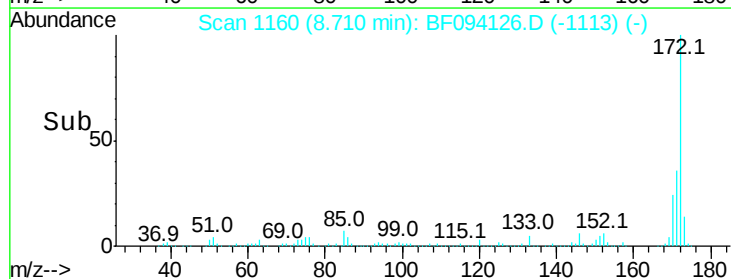
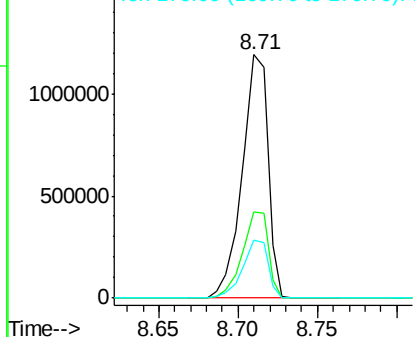
Lab File: BF094126.D

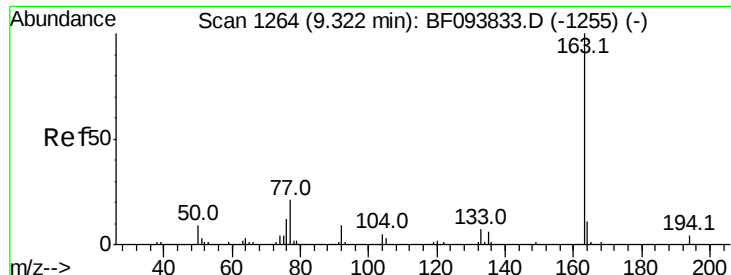
Acq: 3 Apr 2017 17:43

Tgt Ion:	172	Resp:	1344343
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.6	44.4
170	23.6	19.8	29.8



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





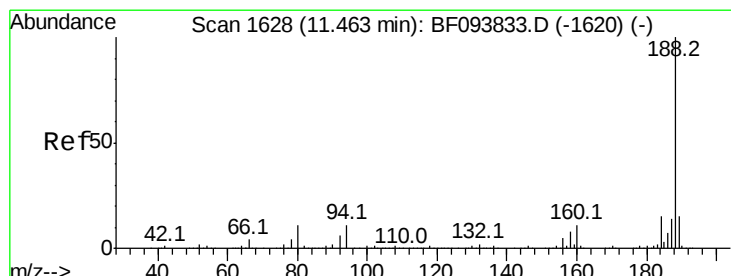
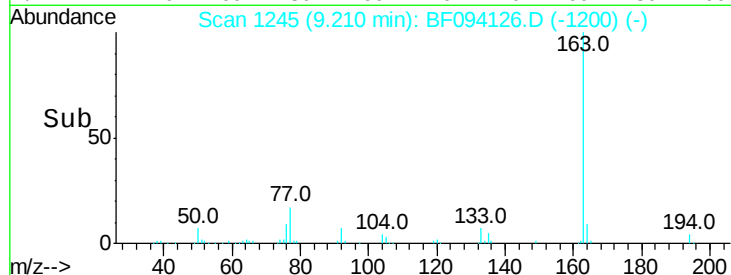
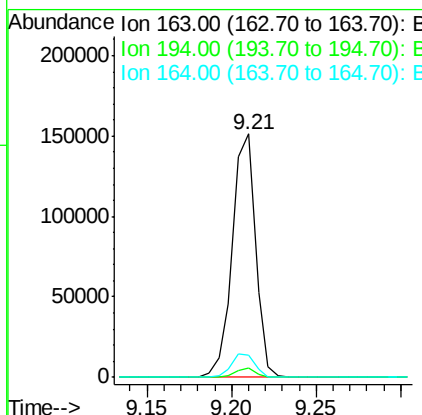
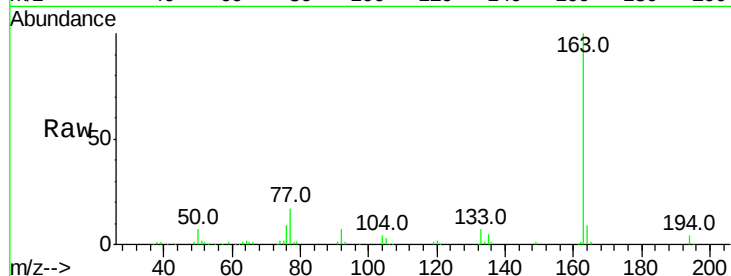
#49
Dimethylphthalate
Concen: 5.45 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.04 min
Lab File: BF094126.D
Acq: 3 Apr 2017 17:43

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	144786		
194	3.6		2.6	4.0
164	9.3		8.4	12.6

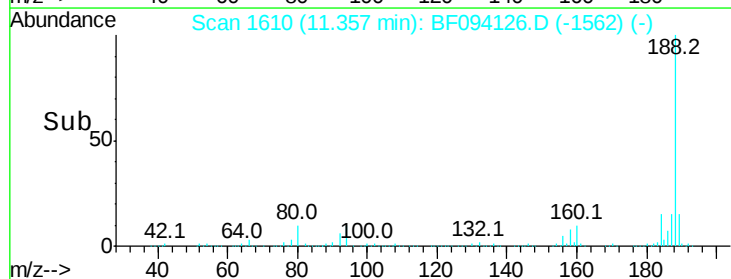
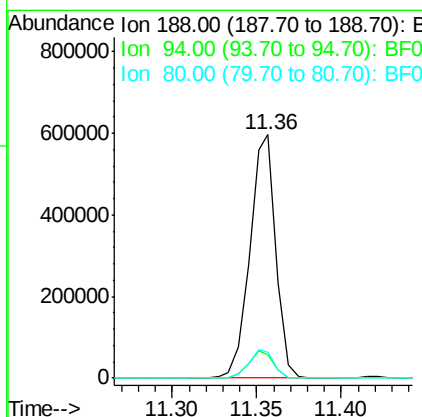
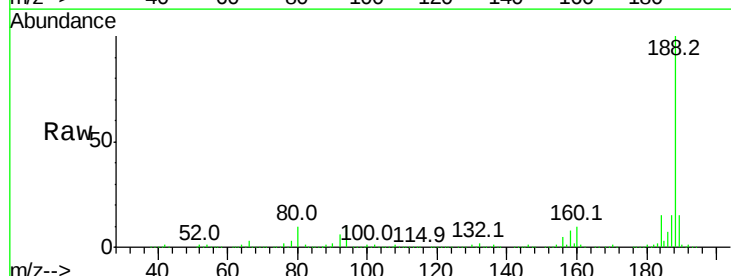
Manual Integrations
APPROVED

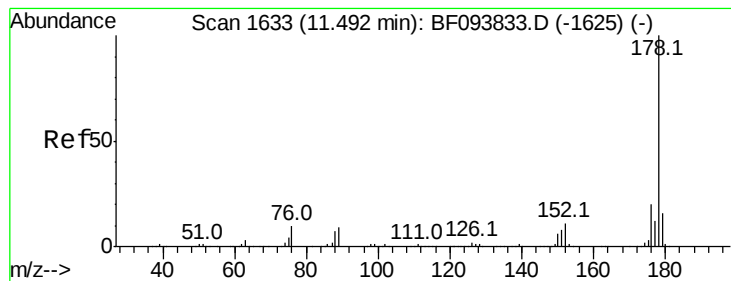
mohammad
4/4/2017 5:34:00 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.02 min
Lab File: BF094126.D
Acq: 3 Apr 2017 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	634330		
94	9.7		9.4	14.2
80	10.4		10.2	15.2





#70

Phenanthrene

Concen: 15.81 ng

RT: 11.39 min Scan# 1615

Delta R.T. -0.02 min

Lab File: BF094126.D

Acq: 3 Apr 2017 17:43

Instrument :

BNA_F

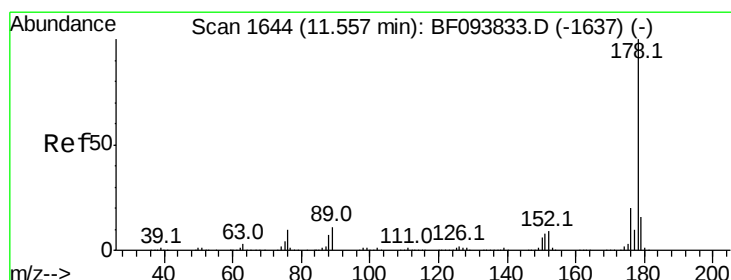
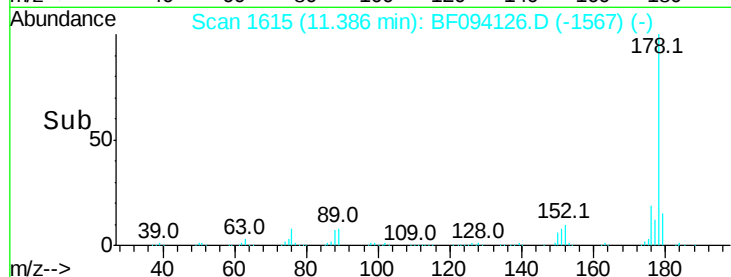
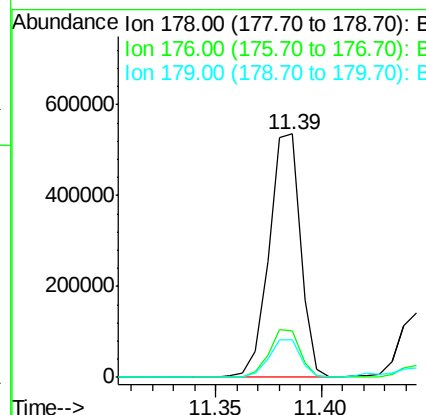
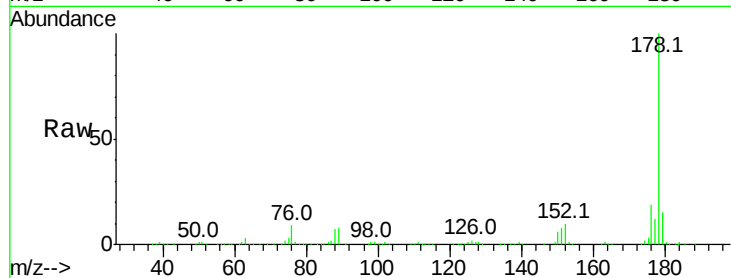
ClientSampled :

TP-2

Tot Ion:	178	Resp:	557773
Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	15.5	12.6	19.0

Manual Integrations
APPROVED

mohammad
4/4/2017 5:34:00 PM



#71

Anthracene

Concen: 3.61 ng

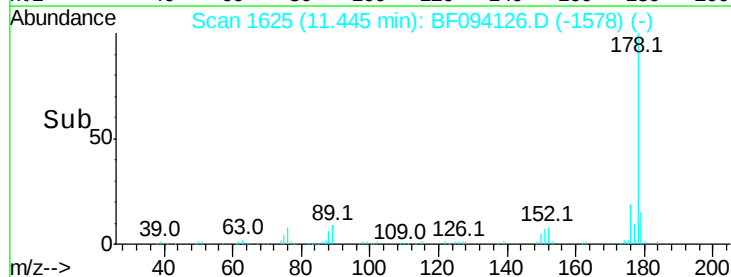
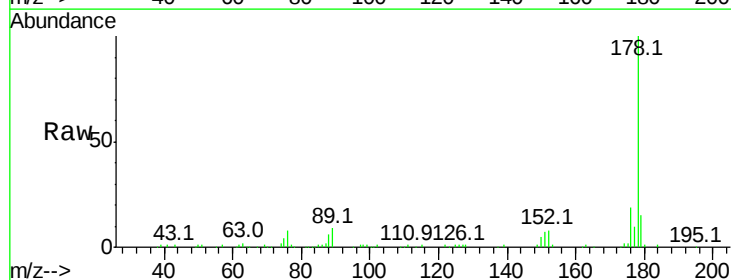
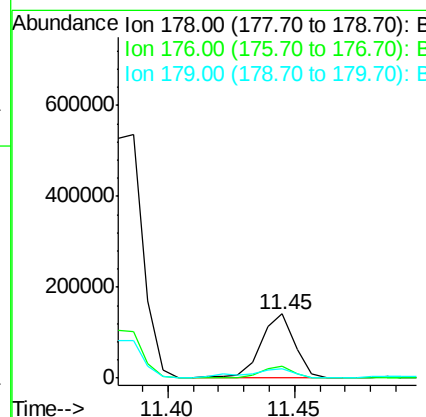
RT: 11.45 min Scan# 1625

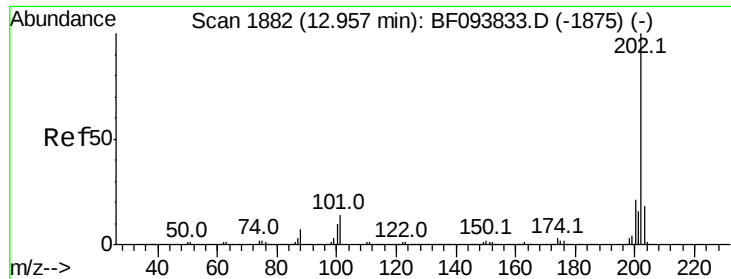
Delta R.T. -0.02 min

Lab File: BF094126.D

Acq: 3 Apr 2017 17:43

Tgt Ion:	178	Resp:	131329
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.0	12.7	19.1





#74

Fluoranthene

Concen: 19.91 ng

RT: 12.85 min Scan# 1863

Delta R.T. -0.02 min

Lab File: BF094126.D

Acq: 3 Apr 2017 17:43

Instrument :

BNA_F

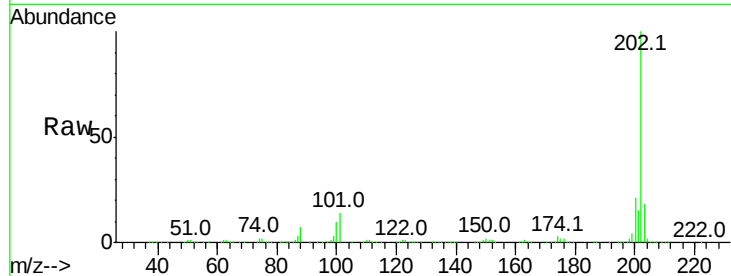
ClientSampleId :

TP-2

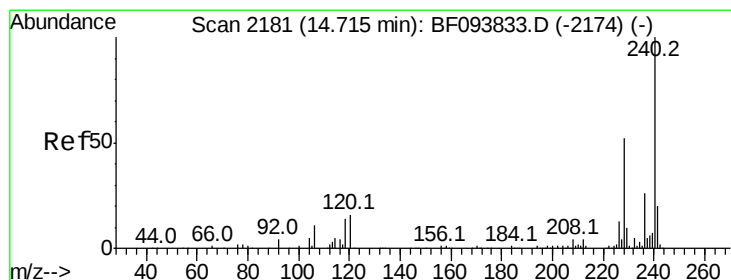
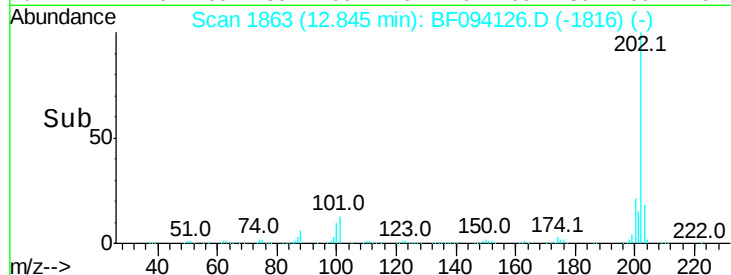
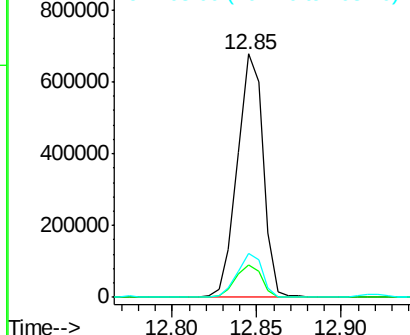
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		719403		
101	13.5	0.0	33.2		
203	17.9	0.0	38.1		

Manual Integrations
APPROVED

mohammad
4/4/2017 5:34:00 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

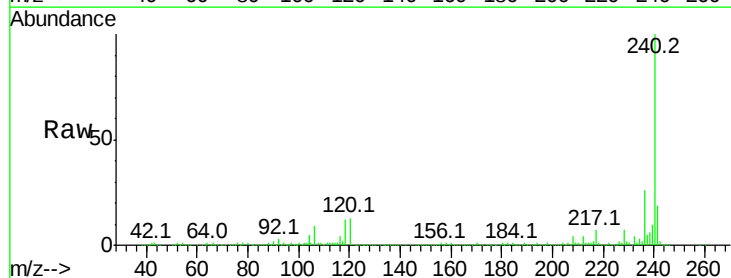
RT: 14.61 min Scan# 2163

Delta R.T. -0.02 min

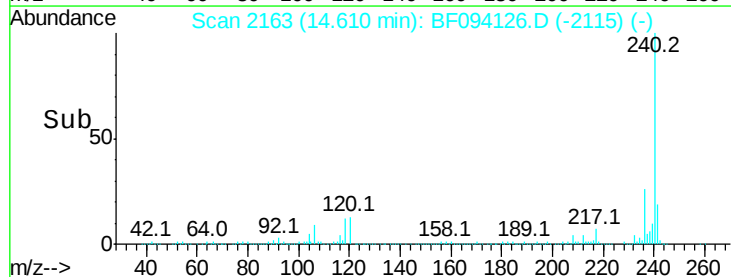
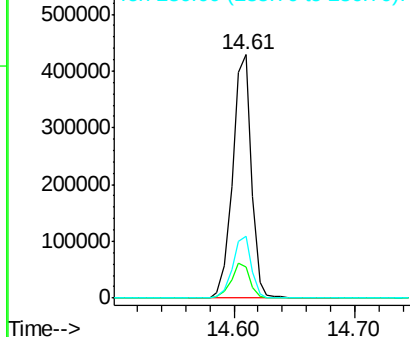
Lab File: BF094126.D

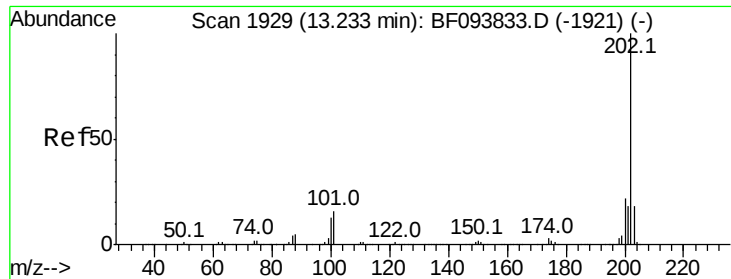
Acq: 3 Apr 2017 17:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		463949		
120	12.9	5.8	8.8#		
236	25.6	20.5	30.7		



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





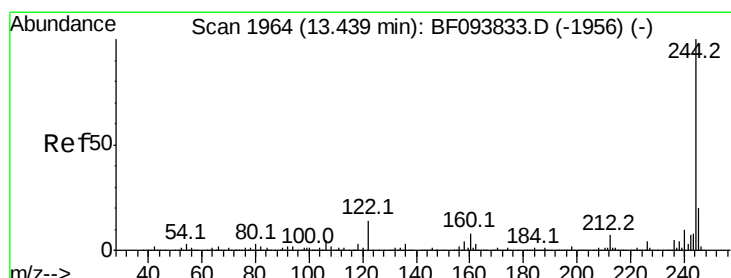
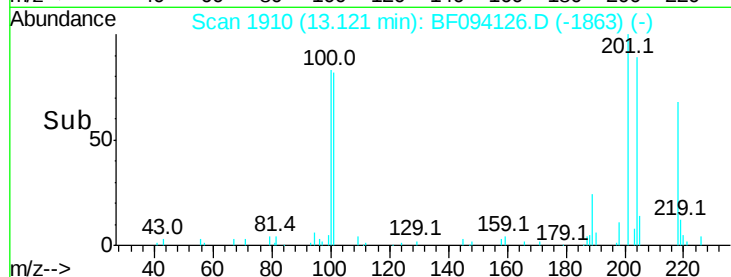
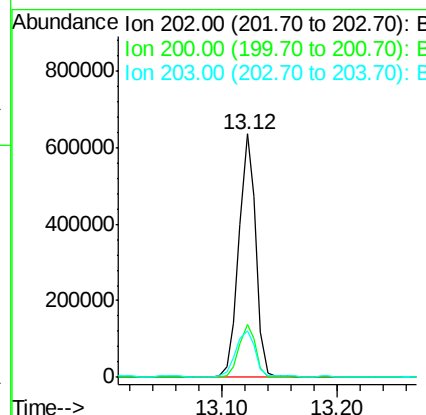
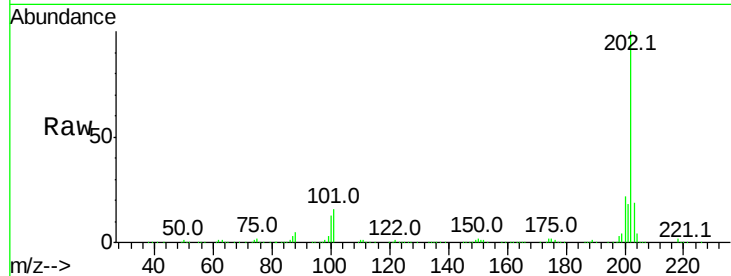
#77
Pvrene
Concen: 19.19 ng
RT: 13.12 min Scan# 1910
Delta R.T. -0.02 min
Lab File: BF094126.D
Acq: 3 Apr 2017 17:43

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.6	26.4
203	19.3	14.4	21.6

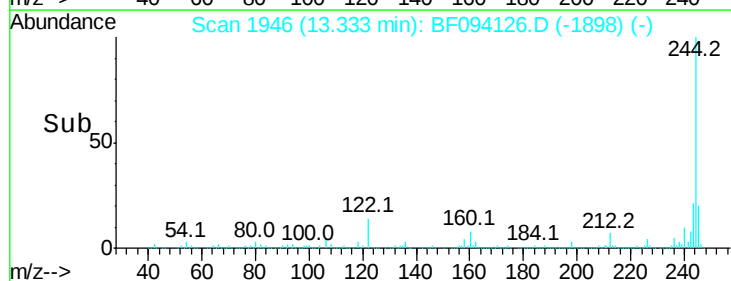
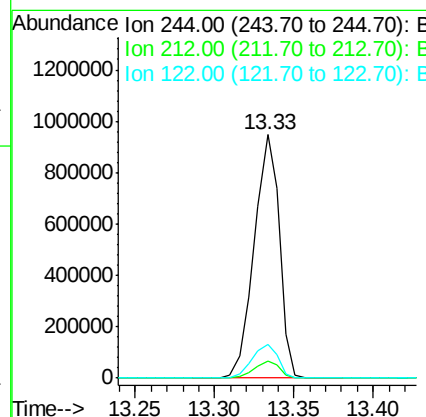
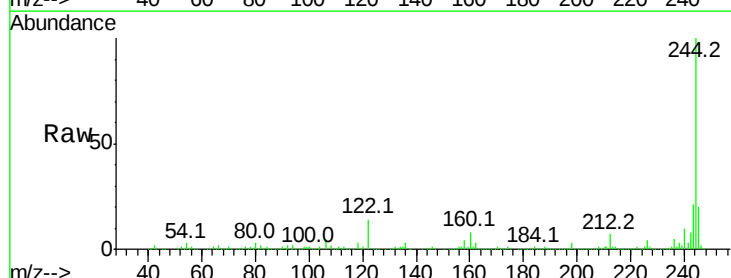
Manual Integrations
APPROVED

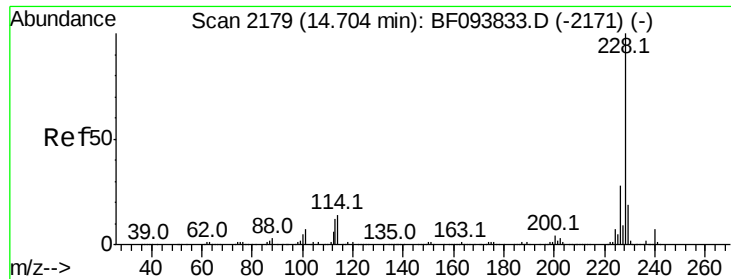
mohammad
4/4/2017 5:34:00 PM



#78
Terphenyl-d14
Concen: 50.51 ng
RT: 13.33 min Scan# 1946
Delta R.T. -0.02 min
Lab File: BF094126.D
Acq: 3 Apr 2017 17:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	13.7	10.3	15.5





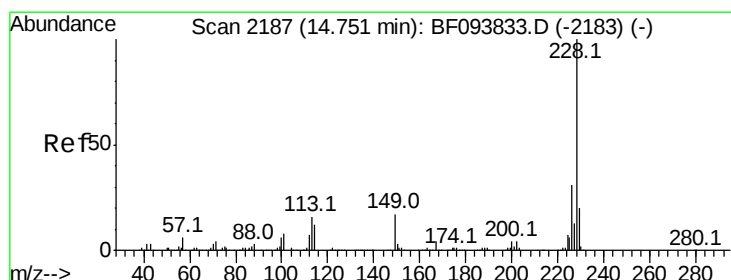
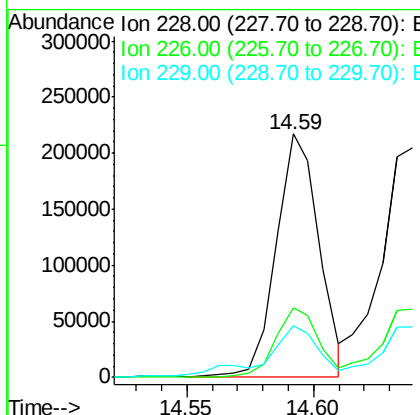
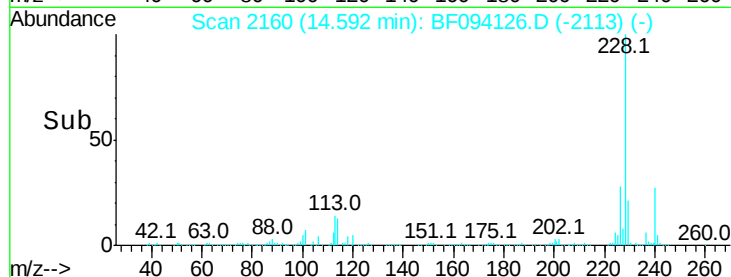
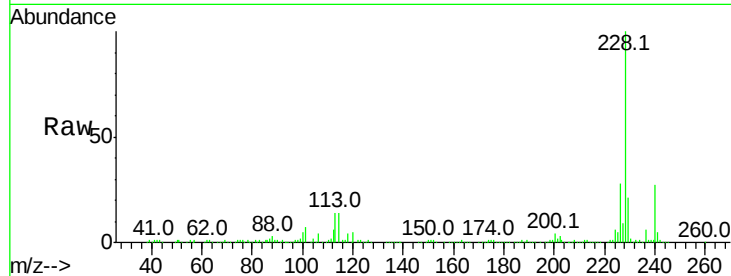
#80
Benzo(a)anthracene
Concen: 9.35 ng
RT: 14.59 min Scan# 2160
Delta R.T. -0.02 min
Lab File: BF094126.D
Acq: 3 Apr 2017 17:43

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Resp	Lower	Upper
228	100	252914		
226	28.4		22.6	33.8
229	21.2		16.3	24.5

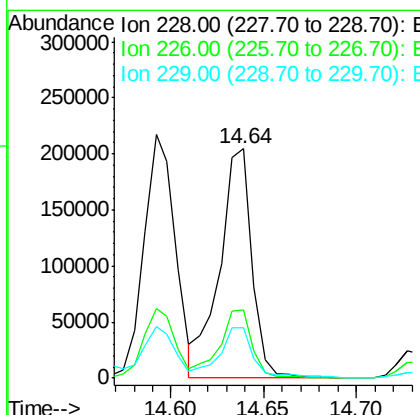
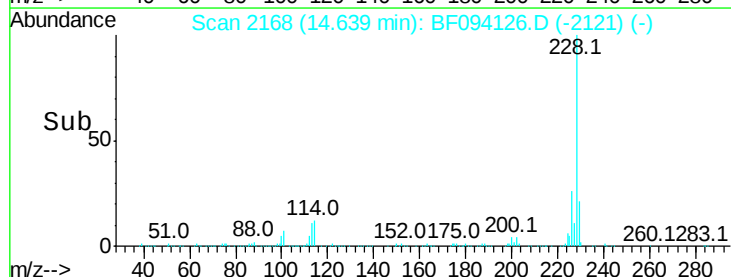
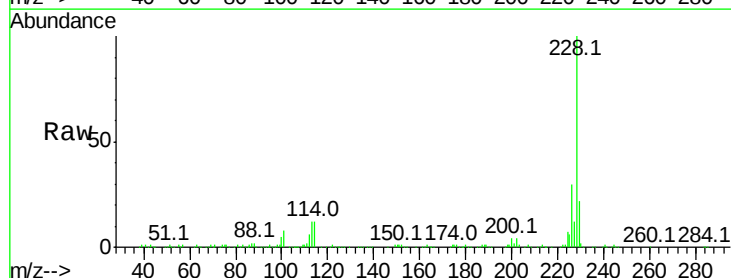
Manual Integrations
APPROVED

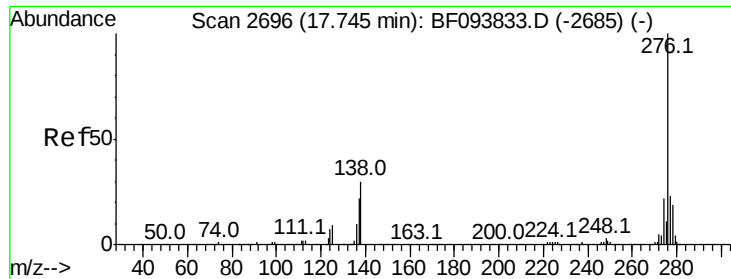
mohammad
4/4/2017 5:34:00 PM



#82
Chrysene
Concen: 9.98 ng m
RT: 14.64 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BF094126.D
Acq: 3 Apr 2017 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	250476		
226	29.9		24.9	37.3
229	22.0		15.8	23.6





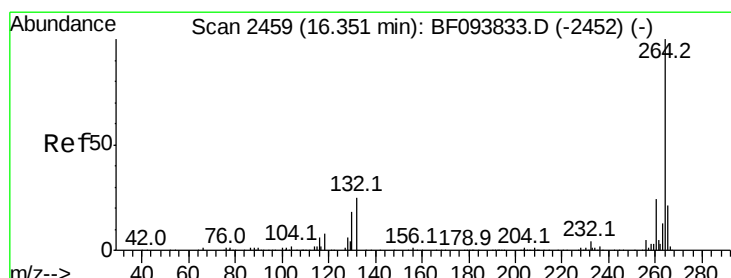
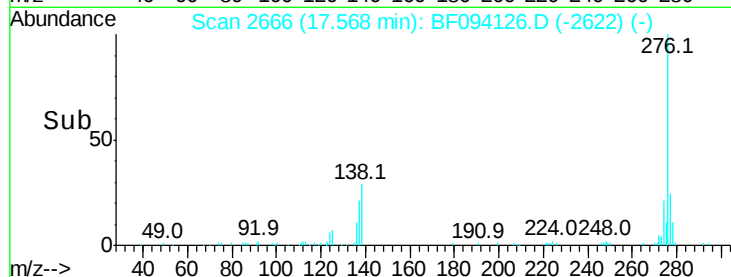
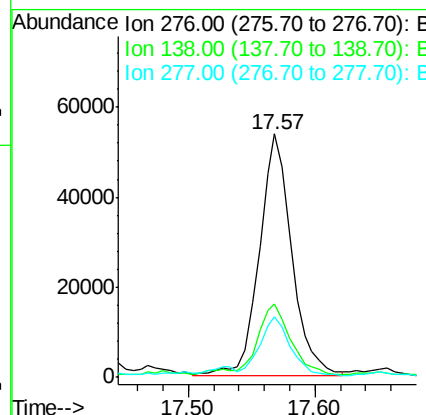
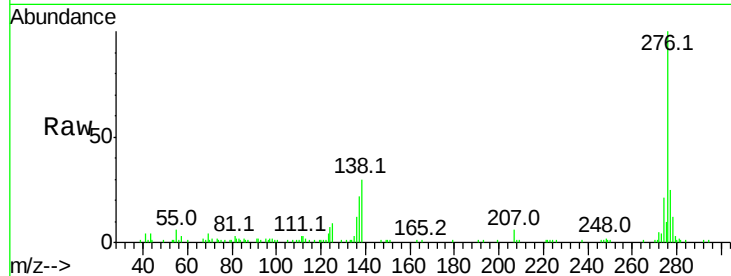
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.40 ng
RT: 17.57 min Scan# 2666
Delta R.T. -0.04 min
Lab File: BF094126.D
Acq: 3 Apr 2017 17:43

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion:	276	Resp:	95675
Ion Ratio	Lower	Upper	
276	100		
138	33.0	27.8	41.6
277	25.0	20.2	30.4

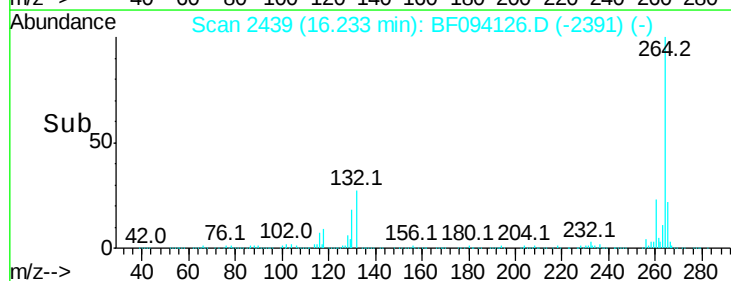
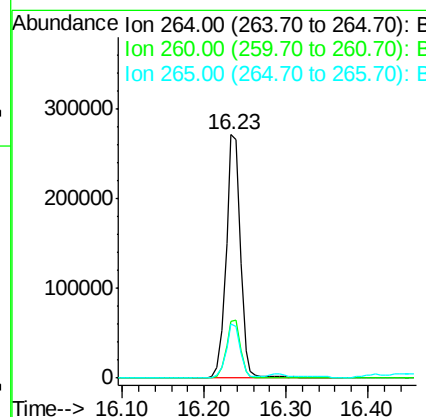
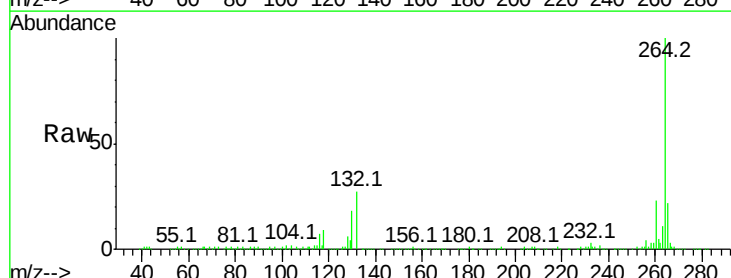
Manual Integrations
APPROVED

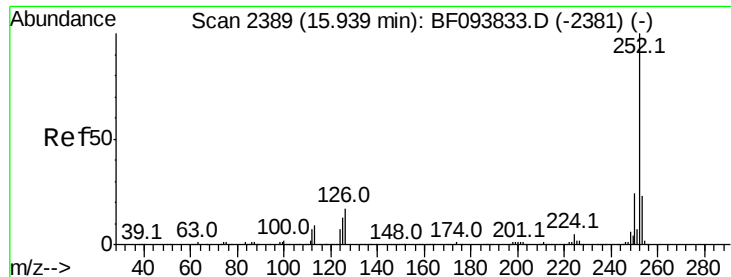
mohammad
4/4/2017 5:34:00 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.23 min Scan# 2439
Delta R.T. -0.02 min
Lab File: BF094126.D
Acq: 3 Apr 2017 17:43

Tgt Ion:	264	Resp:	332633
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.5	29.3
265	22.0	17.2	25.8





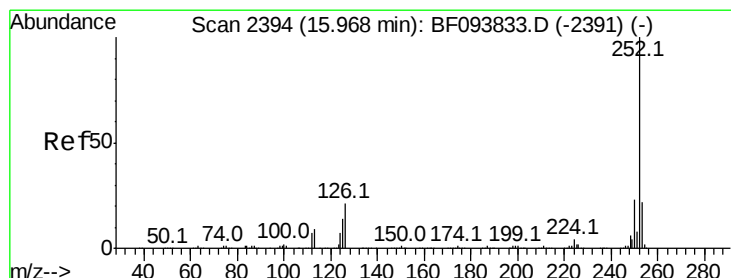
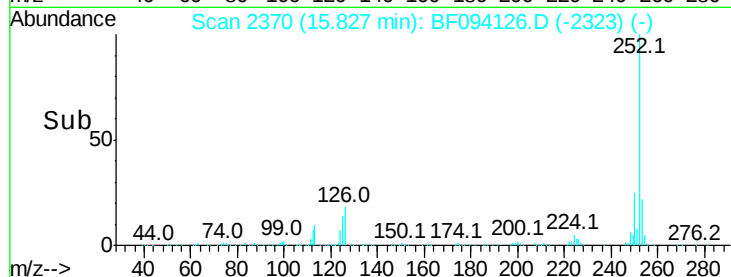
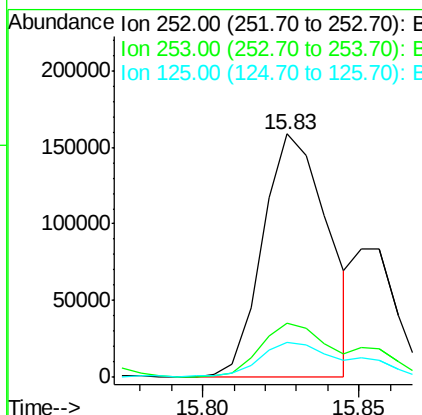
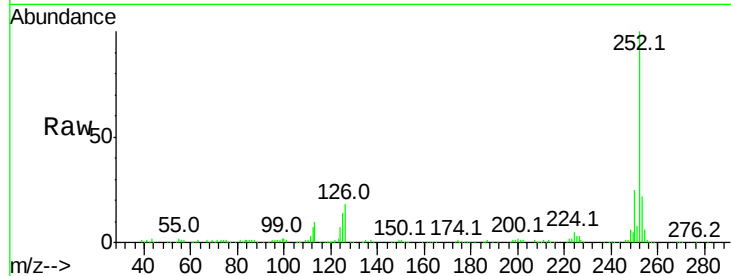
#87
Benzo(b)fluoranthene
Concen: 11.25 ng m
RT: 15.83 min Scan# 2370
Delta R.T. -0.02 min
Lab File: BF094126.D
Acq: 3 Apr 2017 17:43

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	14.1	9.8	14.8

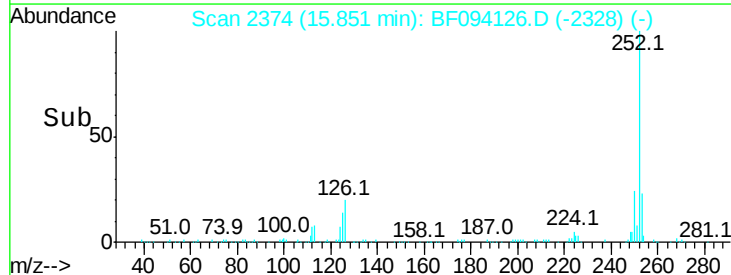
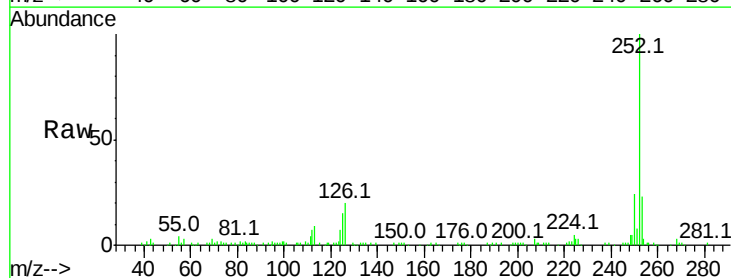
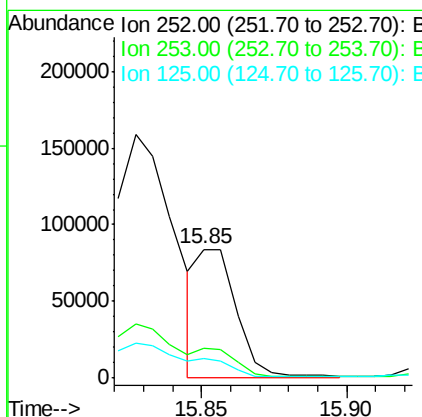
Manual Integrations
APPROVED

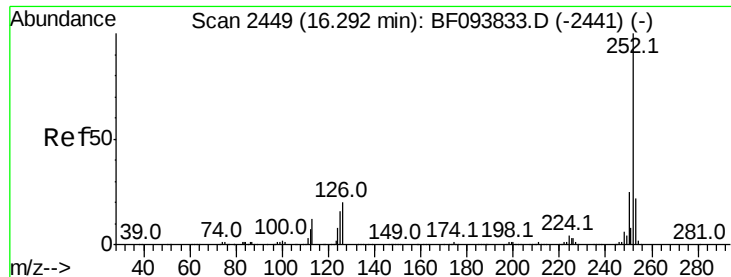
mohammad
4/4/2017 5:34:00 PM



#88
Benzo(k)fluoranthene
Concen: 4.06 ng m
RT: 15.85 min Scan# 2374
Delta R.T. -0.03 min
Lab File: BF094126.D
Acq: 3 Apr 2017 17:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	15.2	13.1	19.7





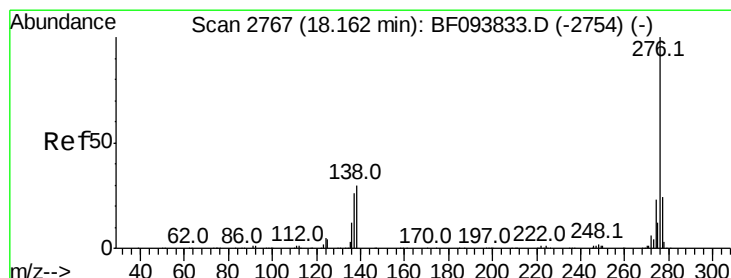
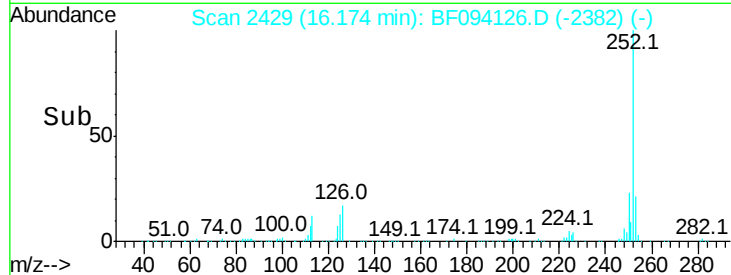
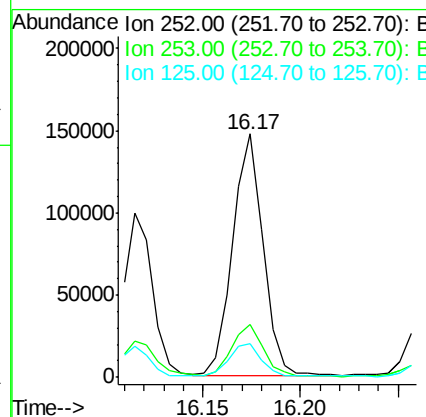
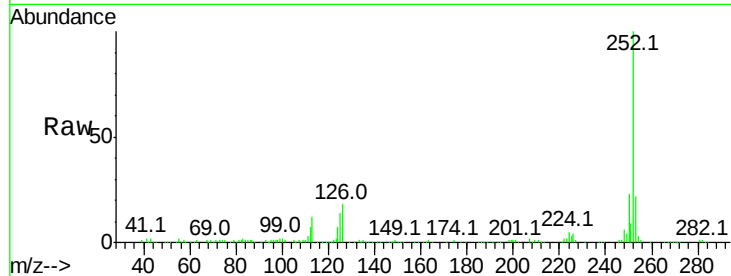
#89
Benzo(a)pyrene
Concen: 8.58 ng
RT: 16.17 min Scan# 2429
Delta R.T. -0.02 min
Lab File: BF094126.D
Acq: 3 Apr 2017 17:43

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	13.7	11.0	16.4

Manual Integrations
APPROVED

mohammad
4/4/2017 5:34:00 PM



#91
Benzo(g,h,i)perylene
Concen: 5.78 ng
RT: 17.96 min Scan# 2733
Delta R.T. -0.05 min
Lab File: BF094126.D
Acq: 3 Apr 2017 17:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	29.8	25.4	38.0

