

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
 Data File : BF094986.D
 Acq On : 8 May 2017 18:27
 Operator : SJ/MA
 Sample : I2969-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP4-5COMP

Manual Integrations
 APPROVED

mohammad
 5/9/2017 5:02:32 PM

Quant Time: May 08 19:09:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	108402	20.00	ng	-0.02
21) Naphthalene-d8	9.74	136	437961	20.00	ng	-0.02
38) Acenaphthene-d10	12.57	164	205547	20.00	ng	-0.02
63) Phenanthrene-d10	14.97	188	351641	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	250787	20.00	ng	-0.02
86) Perylene-d12	20.30	264	205645	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	705627	108.52	ng	-0.02
7) Phenol-d6	7.25	99	921327	118.10	ng	-0.02
23) Nitrobenzene-d5	8.61	82	560081	80.64	ng	-0.02
41) 2,4,6-Tribromophenol	13.86	330	184976	109.88	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	998166	69.90	ng	-0.02
78) Terphenyl-d14	17.29	244	694799	61.02	ng	-0.02
Target Compounds						Qvalue
10) Phenol	7.27	94	18982	2.31	ng	85
49) Dimethylphthalate	12.20	163	182384	10.81	ng	99
70) Phenanthrene	15.00	178	132669	6.57	ng	97
71) Anthracene	15.10	178	41773	2.02	ng	98
74) Fluoranthene	16.74	202	232835	11.23	ng	99
77) Pyrene	17.05	202	176171	9.39	ng	95
80) Benzo(a)anthracene	18.62	228	85368	5.85	ng	96
82) Chrysene	18.67	228	71527	5.07	ng	96
85) Indeno(1,2,3-cd)pyrene	21.61	276	33880	2.96	ng	97
87) Benzo(b)fluoranthene	19.90	252	85937m	6.76	ng	
88) Benzo(k)fluoranthene	19.92	252	30703m	2.50	ng	
89) Benzo(a)pyrene	20.25	252	61724	5.26	ng	99
91) Benzo(a,h,i)perylene	21.98	276	30198	3.18	ng	95

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

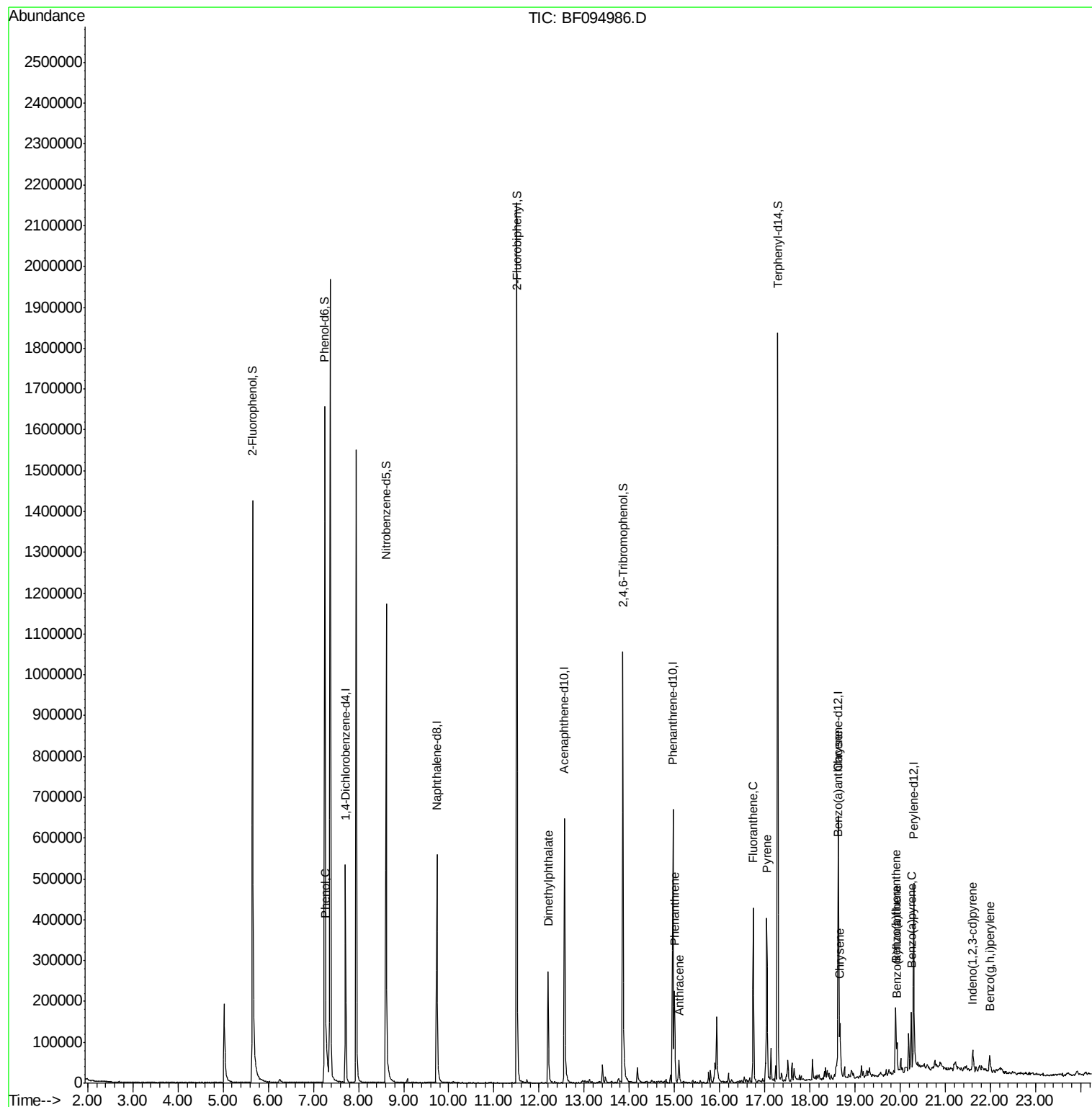
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
Data File : BF094986.D
Acq On : 8 May 2017 18:27
Operator : SJ/MA
Sample : I2969-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP4-5COMP

Manual Integrations
APPROVED

mohammad
5/9/2017 5:02:32 PM

Quant Time: May 08 19:09:58 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration





#1

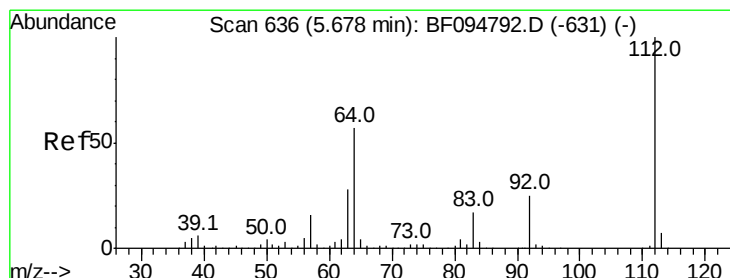
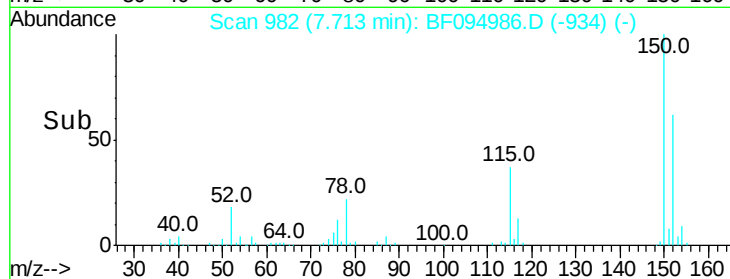
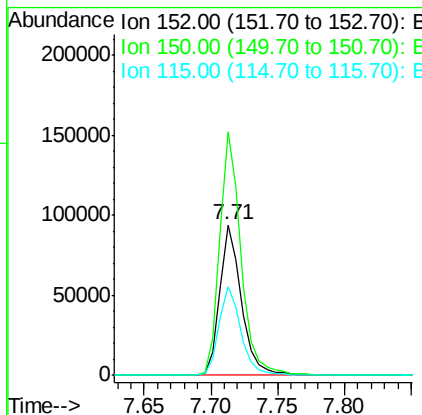
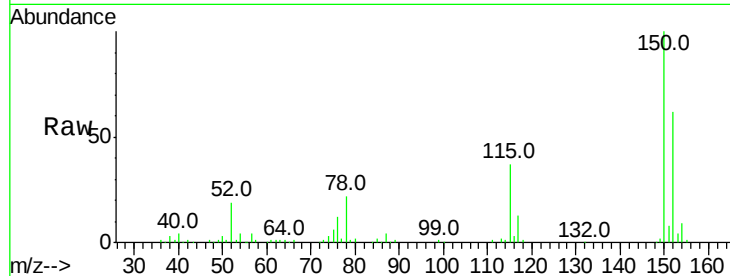
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 982
Delta R.T. -0.02 min
Lab File: BF094986.D
Acq: 8 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
TP4-5COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.9	126.2	189.2
115	59.3	52.2	78.2

Manual Integrations
APPROVED

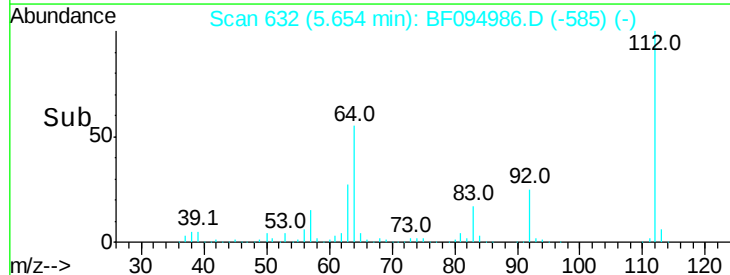
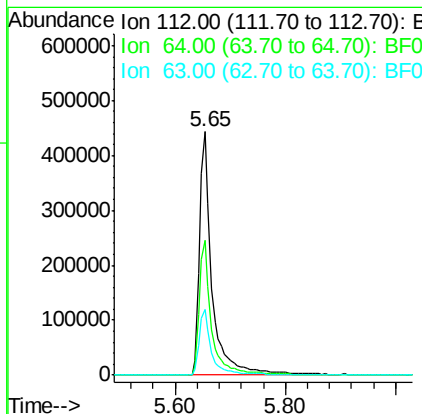
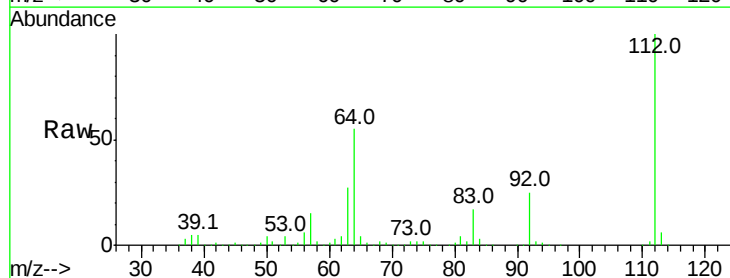
mohammad
5/9/2017 5:02:32 PM



#5

2-Fluorophenol
Concen: 108.52 ng
RT: 5.65 min Scan# 632
Delta R.T. -0.02 min
Lab File: BF094986.D
Acq: 8 May 2017 18:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	46.0	69.0
63	26.8	23.4	35.0





#7

Phenol-d6

Concen: 118.10 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.02 min

Lab File: BF094986.D

Acq: 8 May 2017 18:27

Instrument :

BNA_F

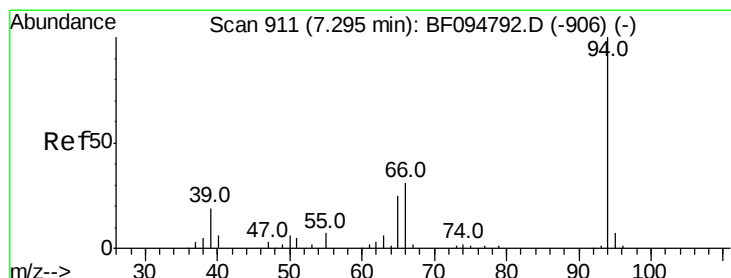
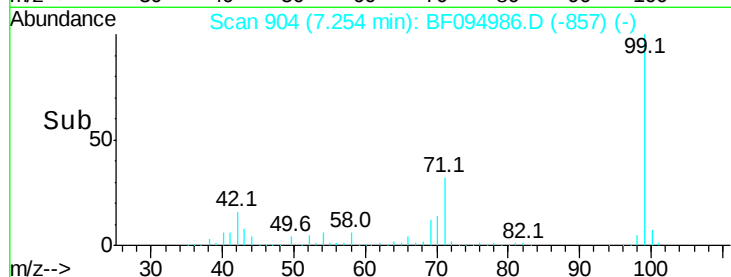
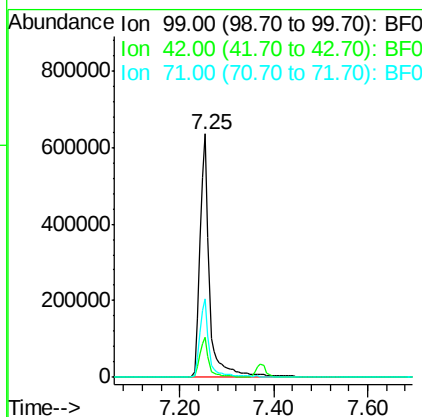
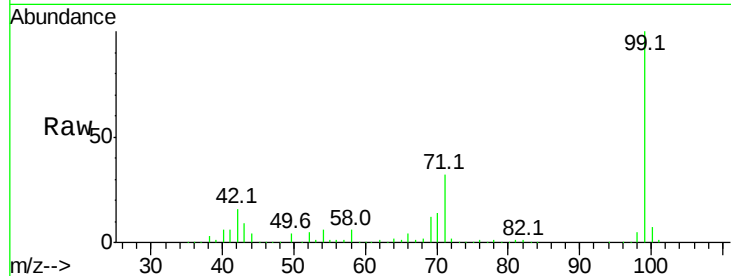
ClientSampleId :

TP4-5COMP

Tot Ion:	99	Resp:	921327
Ion Ratio	Lower	Upper	
99	100		
42	16.4	13.5	20.3
71	32.3	24.5	36.7

Manual Integrations
APPROVED

mohammad
5/9/2017 5:02:32 PM



#10

Phenol

Concen: 2.31 ng

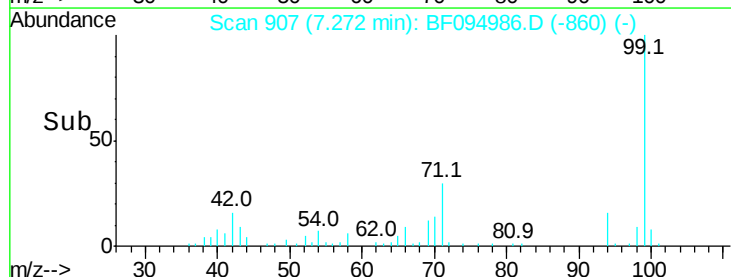
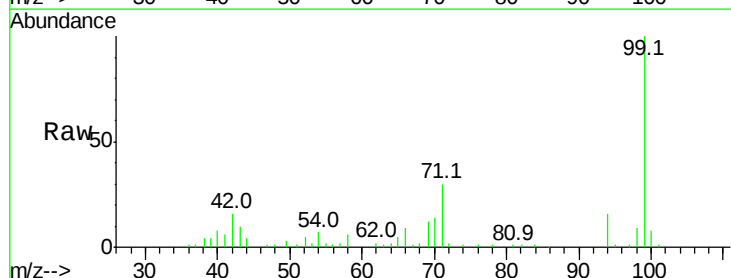
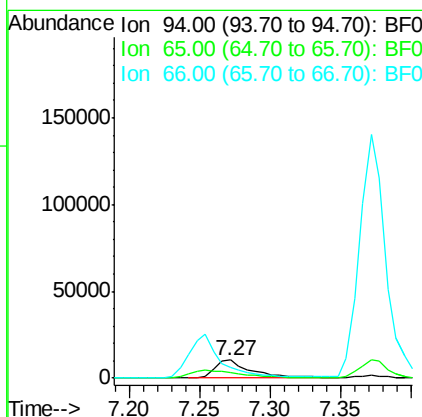
RT: 7.27 min Scan# 907

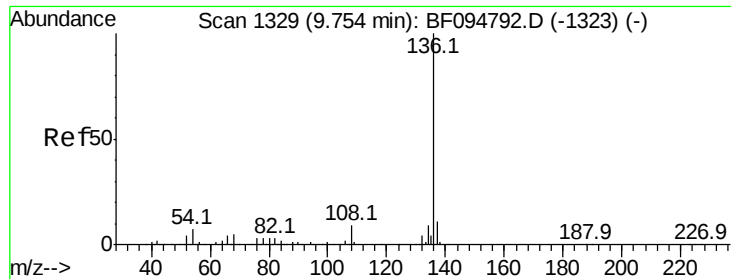
Delta R.T. -0.02 min

Lab File: BF094986.D

Acq: 8 May 2017 18:27

Tgt Ion:	94	Resp:	18982
Ion Ratio	Lower	Upper	
94	100		
65	29.2	9.9	49.9
66	58.9	23.1	63.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.74 min Scan# 1326

Delta R.T. -0.02 min

Lab File: BF094986.D

Acq: 8 May 2017 18:27

Instrument :

BNA_F

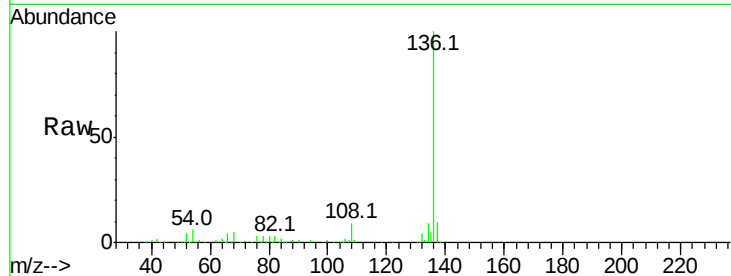
ClientSampleId :

TP4-5COMP

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.0	8.5	12.7
54	6.5	4.9	7.3
68	5.3	4.1	6.1

Manual Integrations
APPROVED

mohammad
5/9/2017 5:02:32 PM

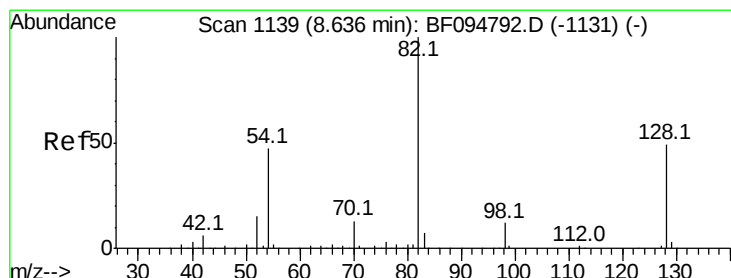
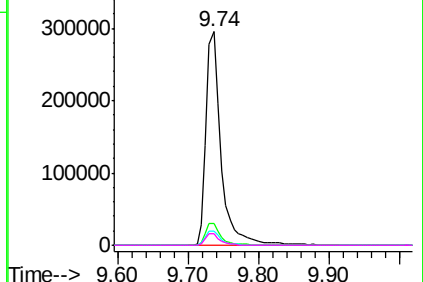
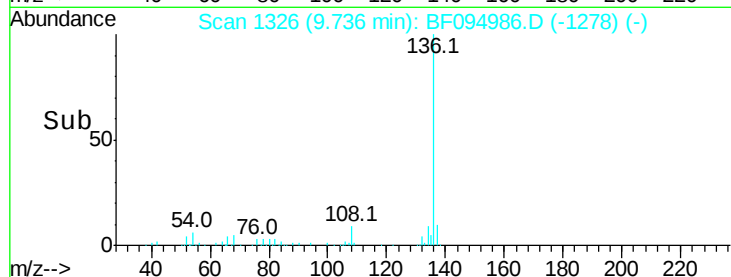


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.64 ng

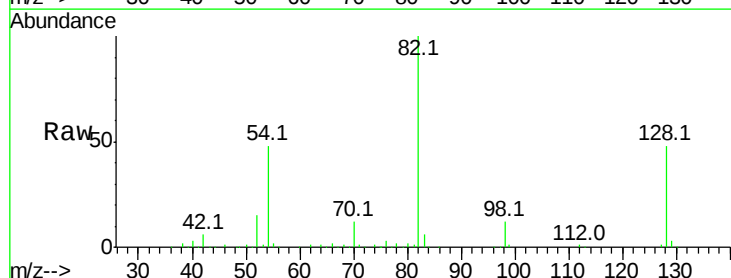
RT: 8.61 min Scan# 1135

Delta R.T. -0.02 min

Lab File: BF094986.D

Acq: 8 May 2017 18:27

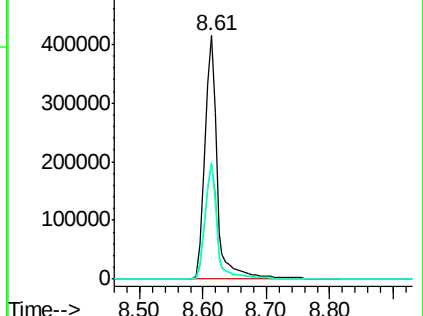
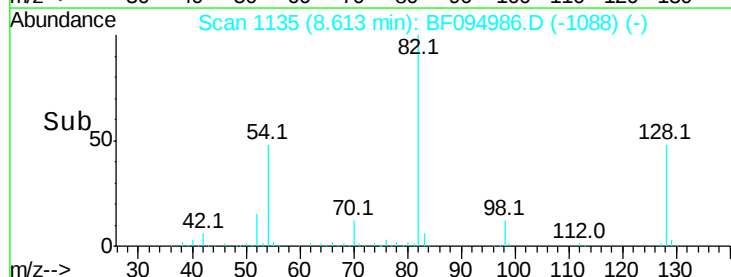
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.6	34.0	51.0
54	48.0	42.2	63.2



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





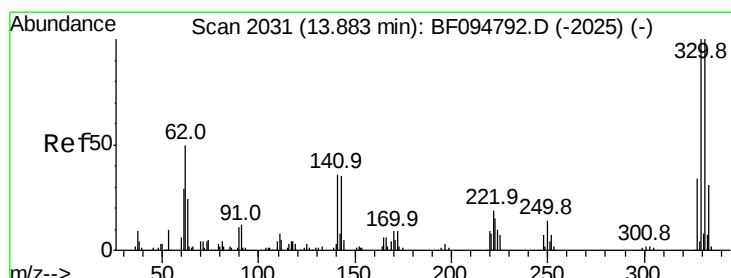
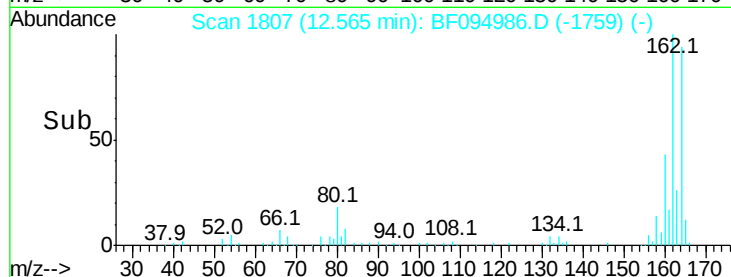
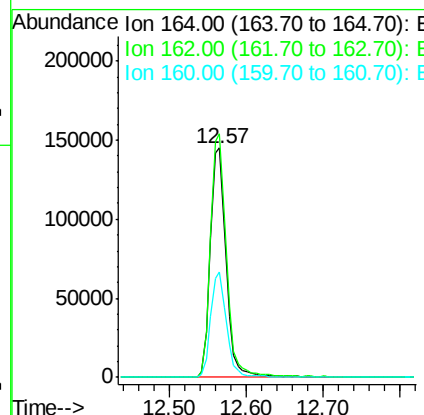
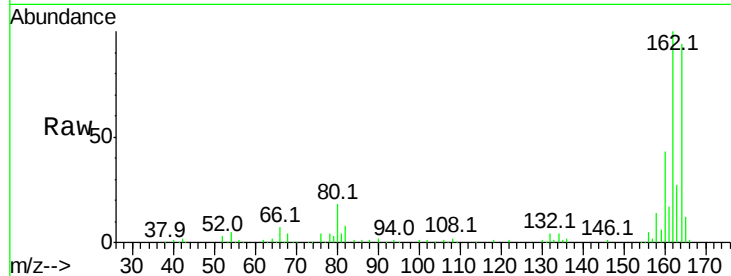
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.57 min Scan# 1807
 Delta R.T. -0.02 min
 Lab File: BF094986.D
 Acq: 8 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 TP4-5COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	205547		
162	106.3	82.6	123.8	
160	46.0	36.2	54.2	

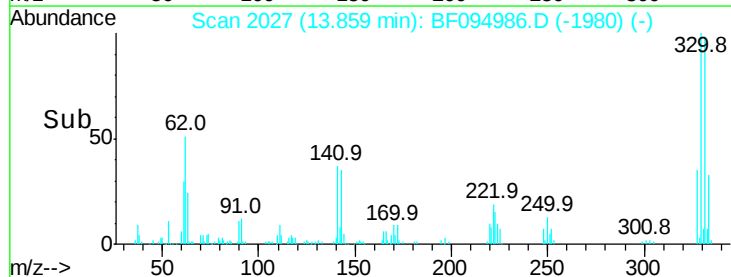
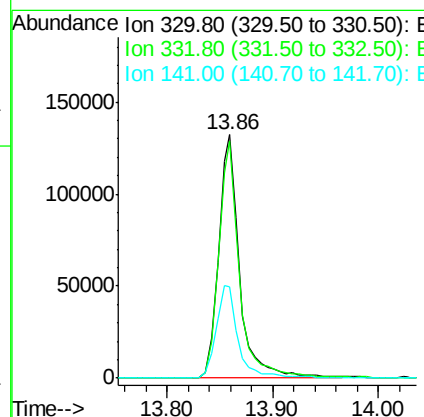
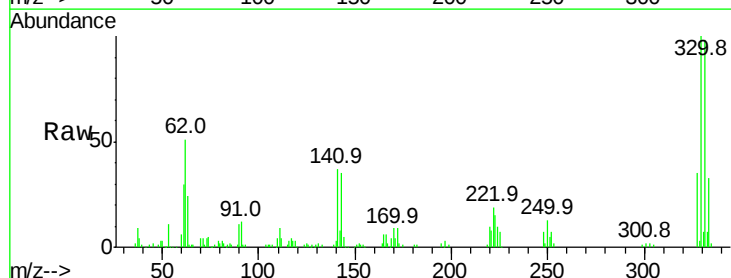
Manual Integrations
 APPROVED

mohammad
 5/9/2017 5:02:32 PM



#41
 2,4,6-Tribromophenol
 Concen: 109.88 ng
 RT: 13.86 min Scan# 2027
 Delta R.T. -0.02 min
 Lab File: BF094986.D
 Acq: 8 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	184976		
332	96.8	76.6	115.0	
141	40.1	31.4	47.2	





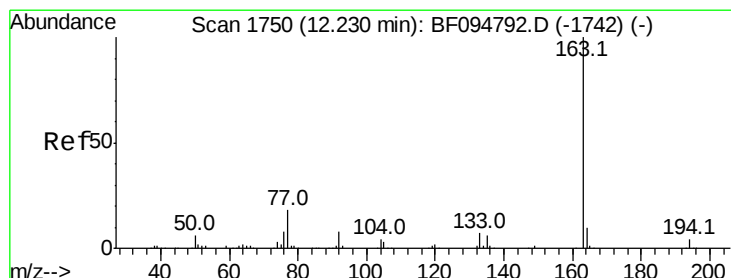
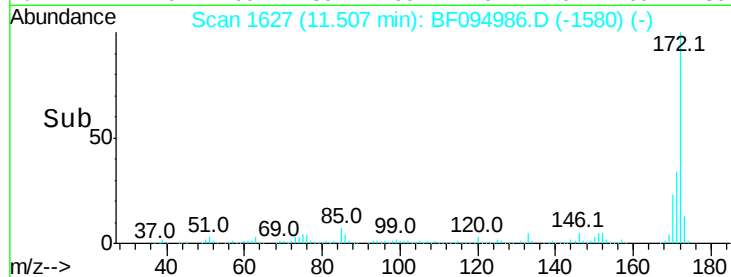
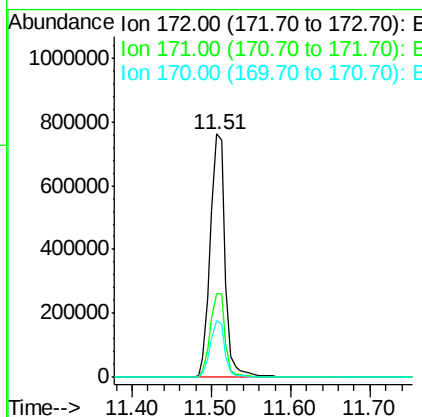
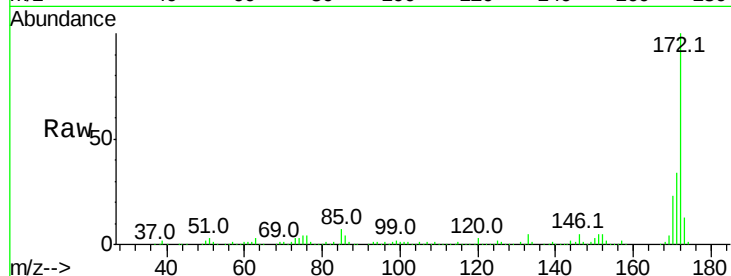
#44
2-Fluorobiphenyl
Concen: 69.90 ng
RT: 11.51 min Scan# 1627
Delta R.T. -0.02 min
Lab File: BF094986.D
Acq: 8 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
TP4-5COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.3	29.6	44.4	
170	23.2	19.8	29.8	

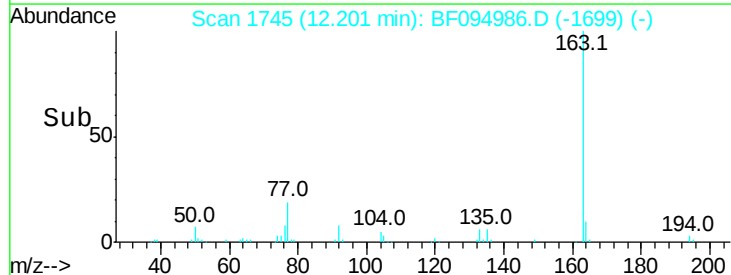
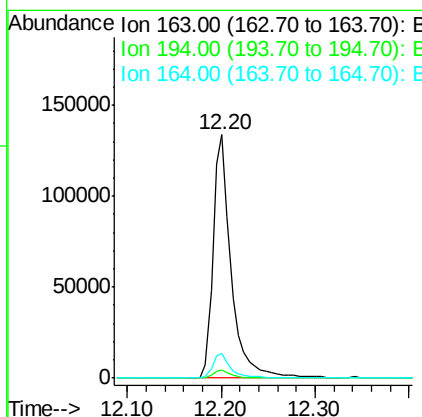
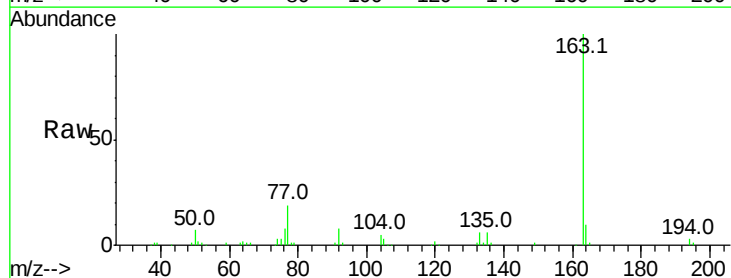
Manual Integrations
APPROVED

mohammad
5/9/2017 5:02:32 PM



#49
Dimethylphthalate
Concen: 10.81 ng
RT: 12.20 min Scan# 1745
Delta R.T. -0.03 min
Lab File: BF094986.D
Acq: 8 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.3	2.6	4.0	
164	10.0	8.4	12.6	





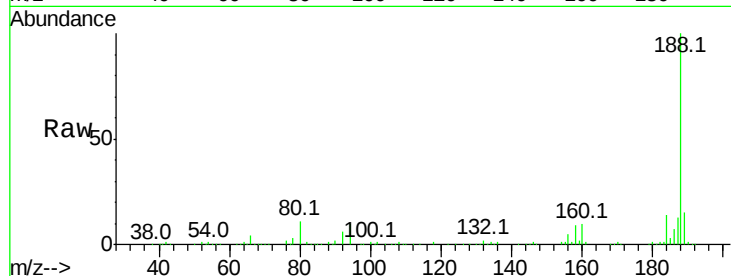
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.97 min Scan# 2215
 Delta R.T. -0.02 min
 Lab File: BF094986.D
 Acq: 8 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 TP4-5COMP

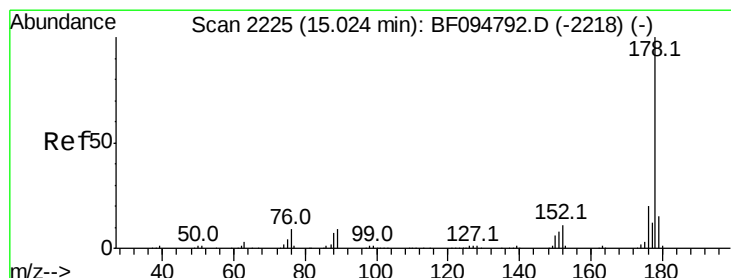
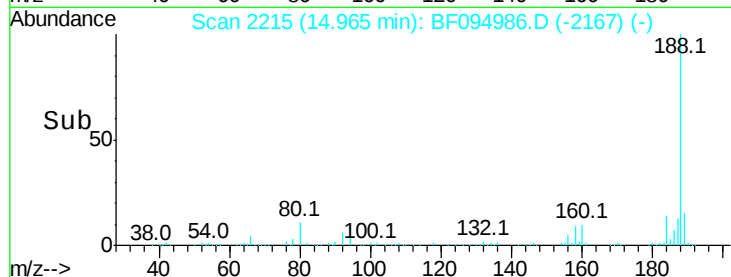
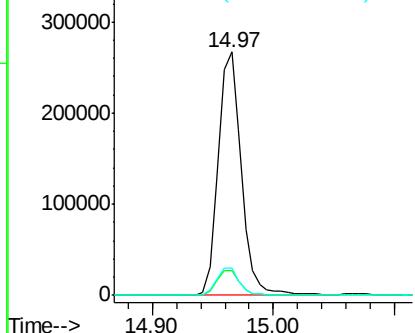
Tot Ion	Ratio	Resp	Lower	Upper
188	100	351641		
94	10.4		9.4	14.2
80	11.0		10.2	15.2

Manual Integrations
 APPROVED

mohammad
 5/9/2017 5:02:32 PM



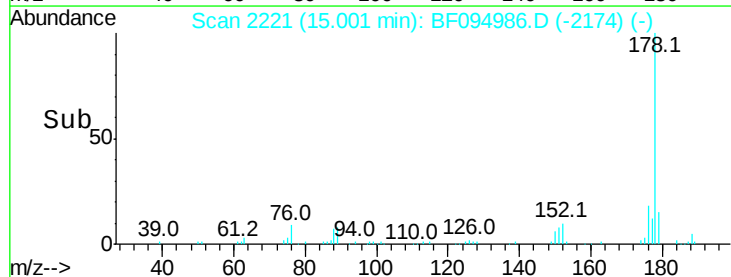
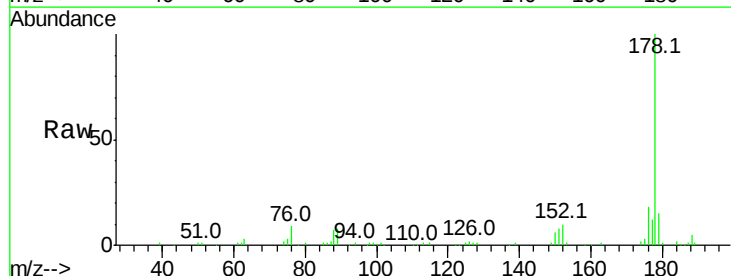
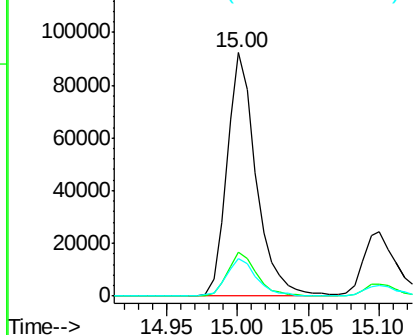
Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

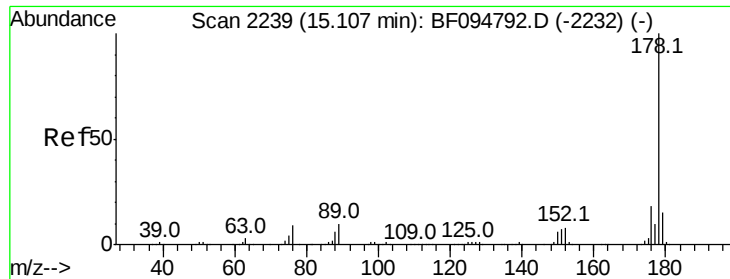


#70
 Phenanthrene
 Concen: 6.57 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. -0.02 min
 Lab File: BF094986.D
 Acq: 8 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	132669		
176	18.2		16.2	24.4
179	15.4		12.6	19.0

Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





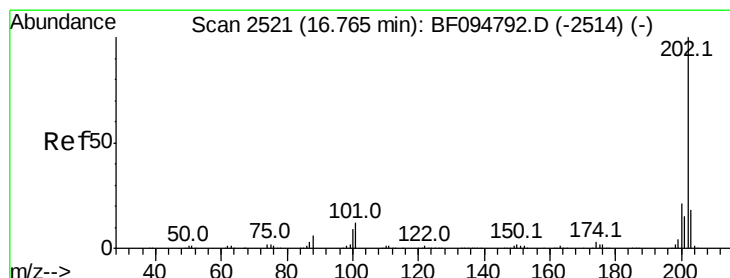
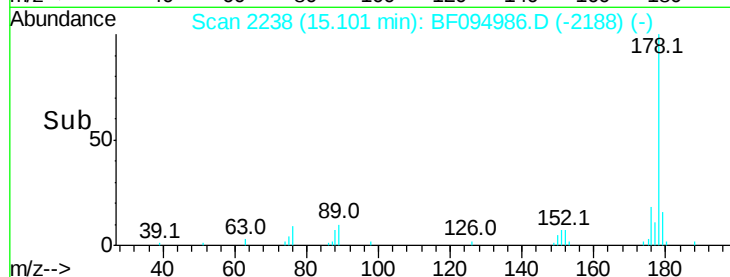
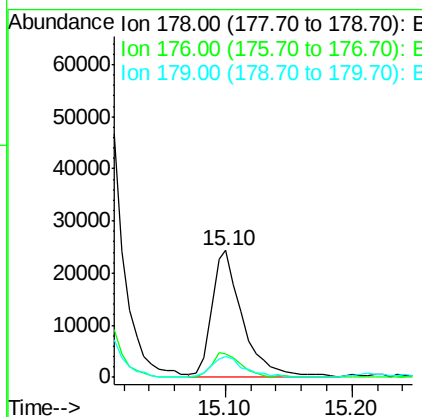
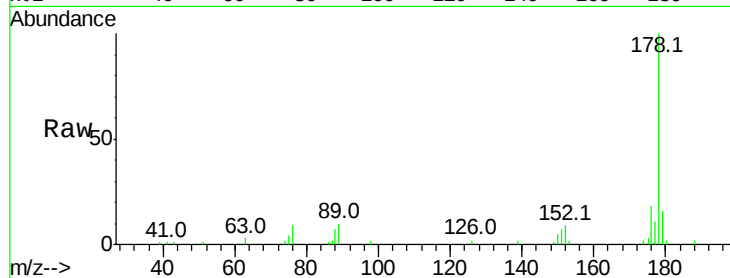
#71
 Anthracene
 Concen: 2.02 ng
 RT: 15.10 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BF094986.D
 Acq: 8 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 TP4-5COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	16.5	12.7	19.1

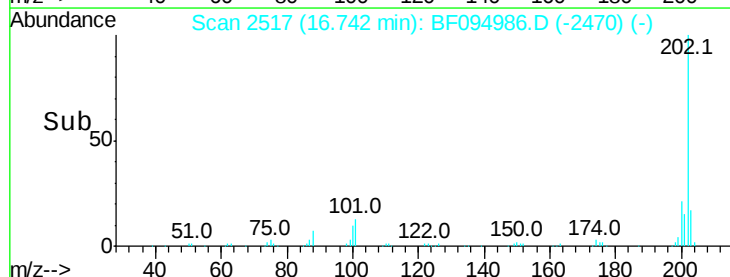
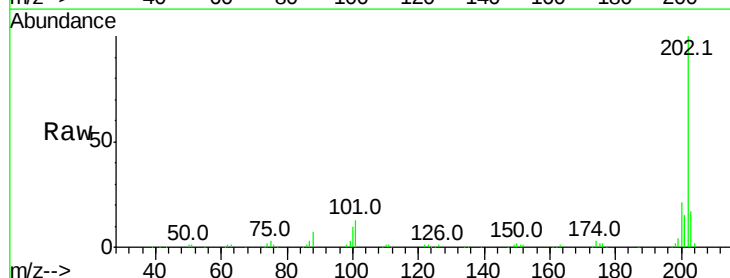
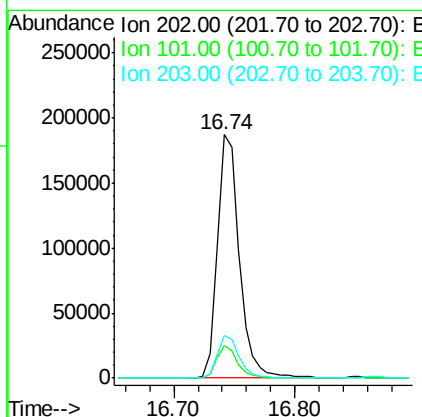
Manual Integrations
 APPROVED

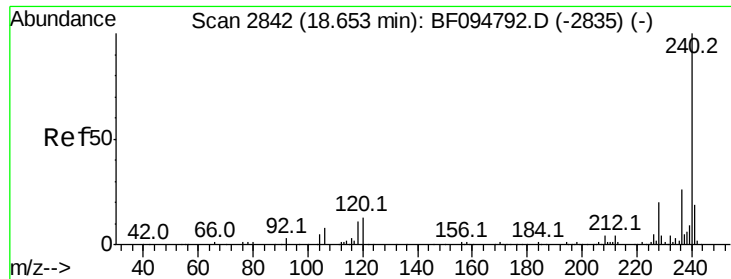
mohammad
 5/9/2017 5:02:32 PM



#74
 Fluoranthene
 Concen: 11.23 ng
 RT: 16.74 min Scan# 2517
 Delta R.T. -0.02 min
 Lab File: BF094986.D
 Acq: 8 May 2017 18:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	33.2
203	17.3	0.0	38.1





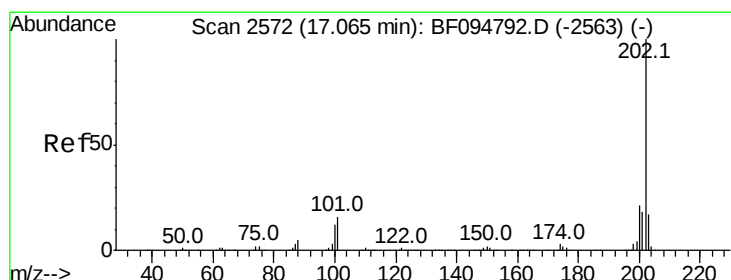
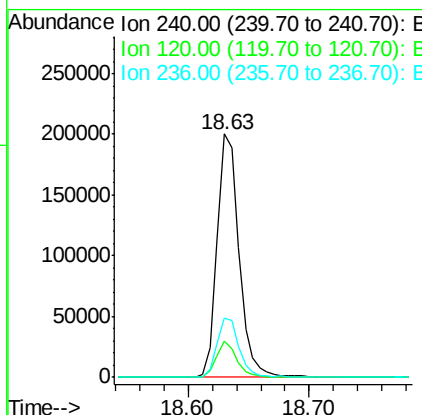
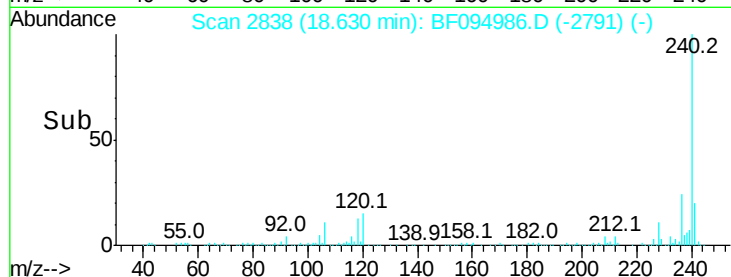
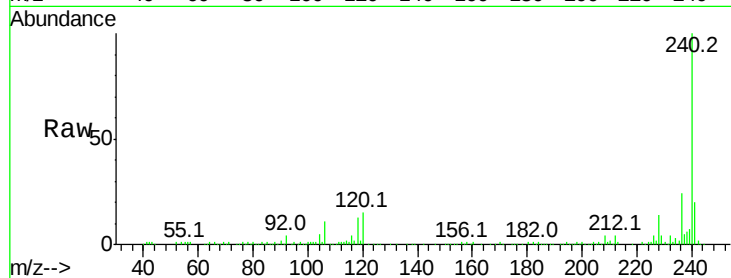
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 2838
Delta R.T. -0.02 min
Lab File: BF094986.D
Acq: 8 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
TP4-5COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.1	5.8	8.8#
236	24.4	20.5	30.7

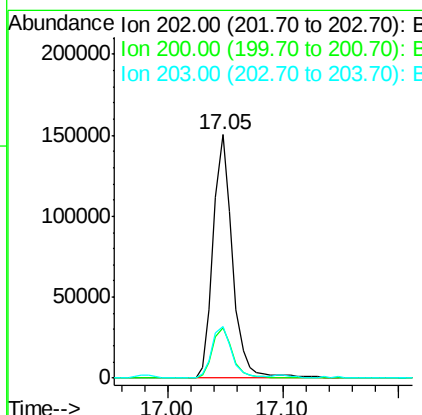
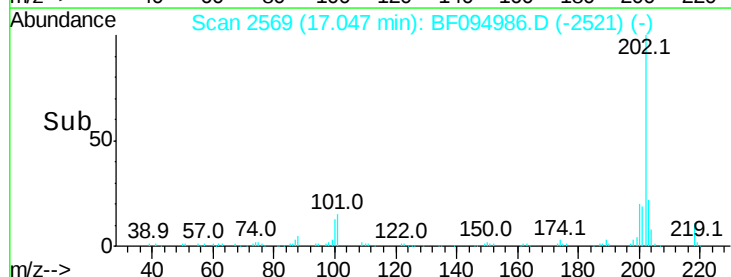
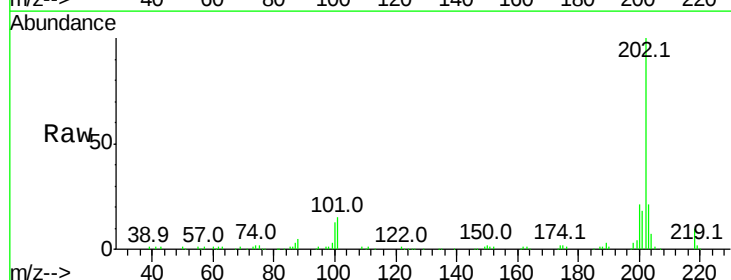
Manual Integrations
APPROVED

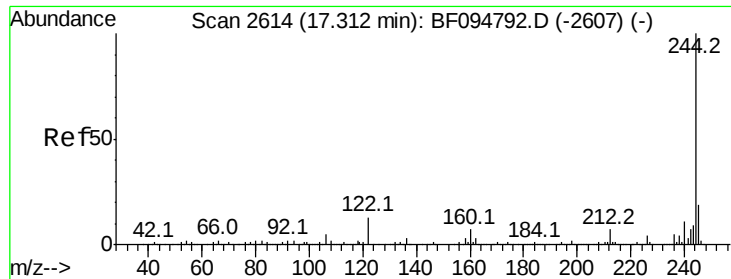
mohammad
5/9/2017 5:02:32 PM



#77
Pyrene
Concen: 9.39 ng
RT: 17.05 min Scan# 2569
Delta R.T. -0.02 min
Lab File: BF094986.D
Acq: 8 May 2017 18:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.6	26.4
203	21.2	14.4	21.6





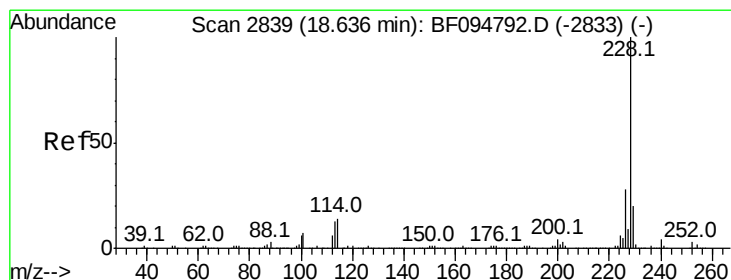
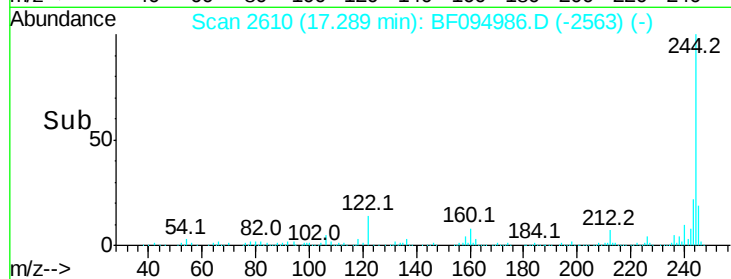
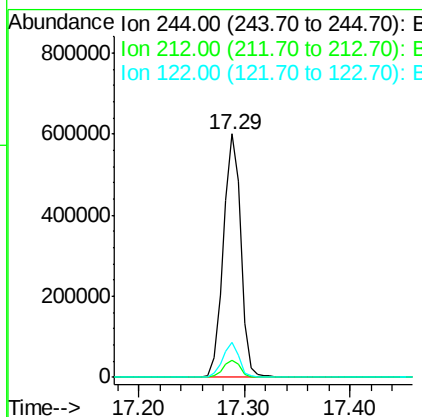
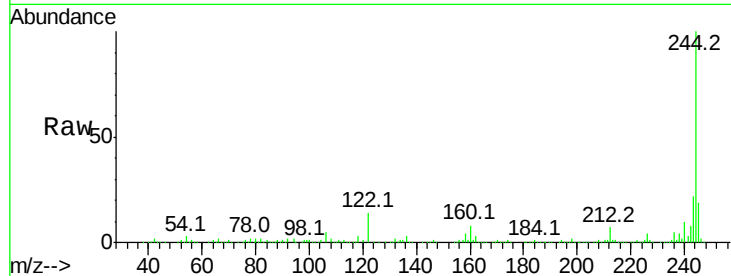
#78
 Terphenyl-d14
 Concen: 61.02 ng
 RT: 17.29 min Scan# 2610
 Delta R.T. -0.02 min
 Lab File: BF094986.D
 Acq: 8 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 TP4-5COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	14.2	10.3	15.5

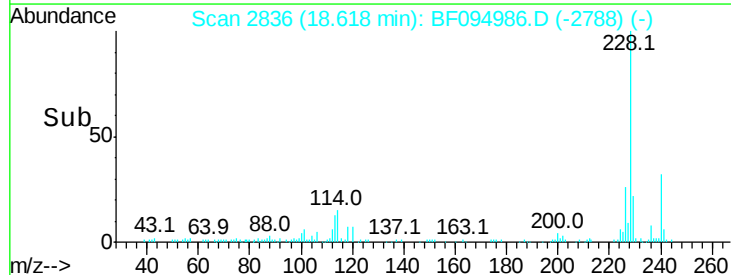
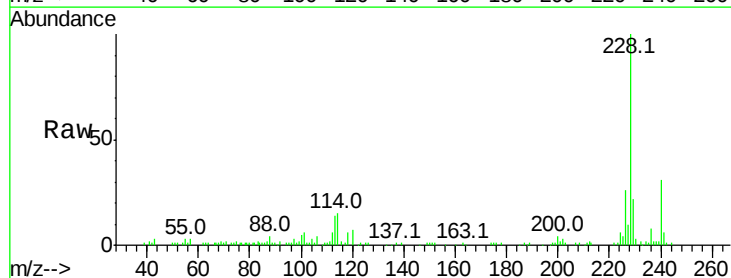
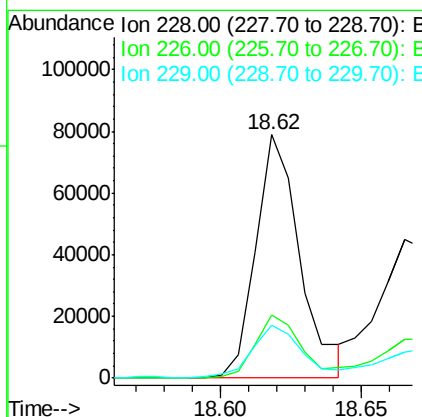
Manual Integrations
 APPROVED

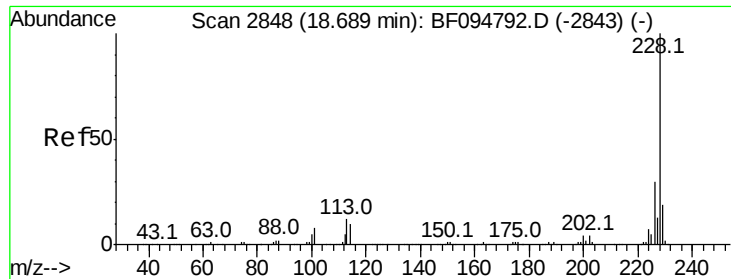
mohammad
 5/9/2017 5:02:32 PM



#80
 Benzo(a)anthracene
 Concen: 5.85 ng
 RT: 18.62 min Scan# 2836
 Delta R.T. -0.02 min
 Lab File: BF094986.D
 Acq: 8 May 2017 18:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.6	33.8
229	21.8	16.3	24.5





#82

Chrysene

Concen: 5.07 ng

RT: 18.67 min Scan# 2844

Delta R.T. -0.02 min

Lab File: BF094986.D

Acq: 8 May 2017 18:27

Instrument :

BNA_F

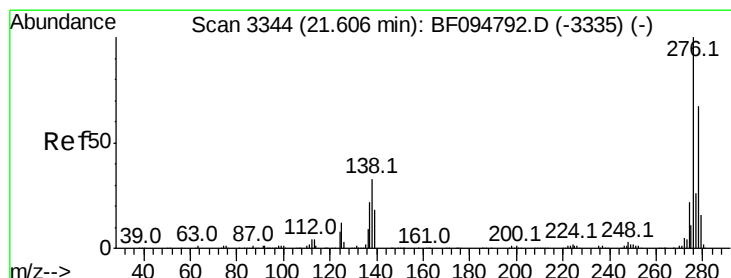
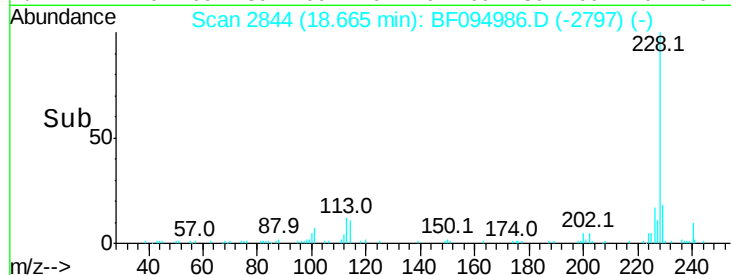
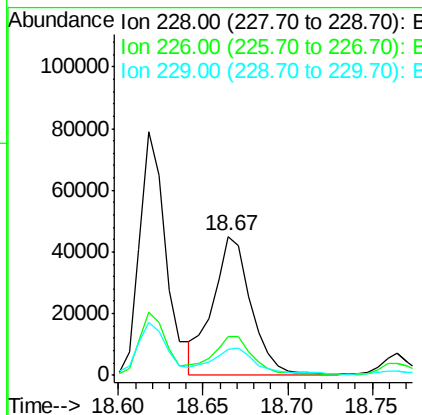
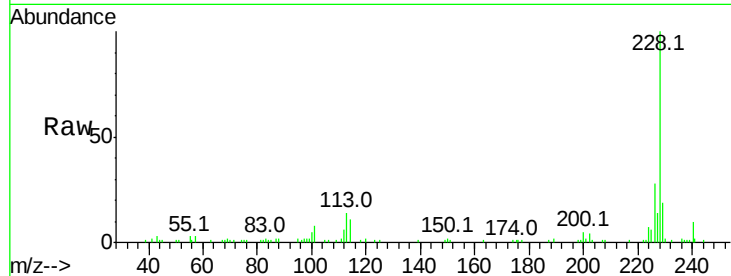
ClientSampleId :

TP4-5COMP

Tot Ion:	228	Resp:	71527
Ion Ratio	Lower	Upper	
228	100		
226	27.8	24.9	37.3
229	18.9	15.8	23.6

Manual Integrations
APPROVED

mohammad
5/9/2017 5:02:32 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.96 ng

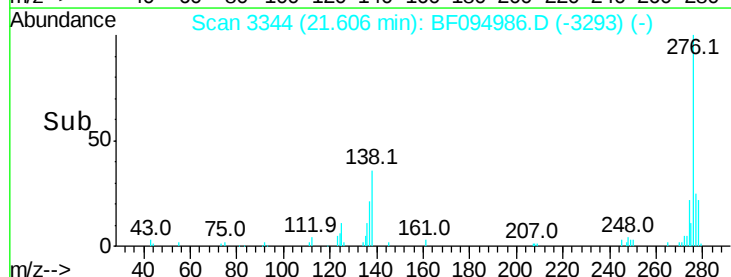
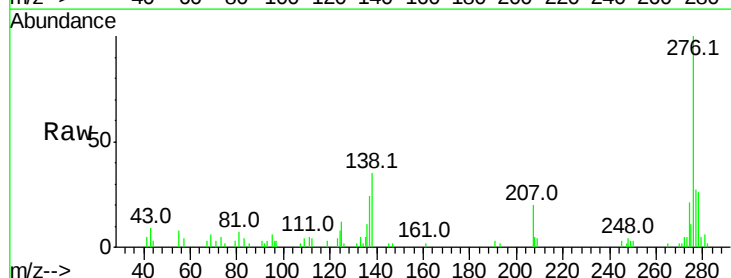
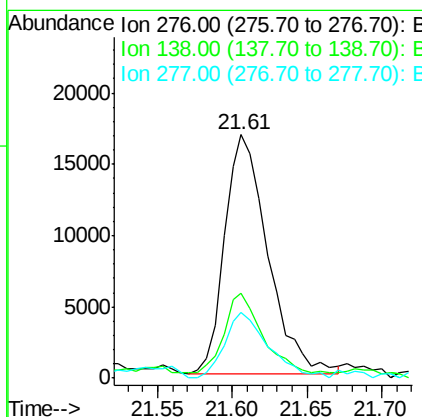
RT: 21.61 min Scan# 3344

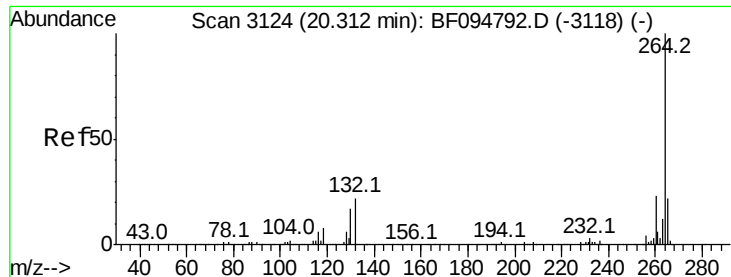
Delta R.T. -0.00 min

Lab File: BF094986.D

Acq: 8 May 2017 18:27

Tgt Ion:	276	Resp:	33880
Ion Ratio	Lower	Upper	
276	100		
138	35.7	27.8	41.6
277	27.7	20.2	30.4





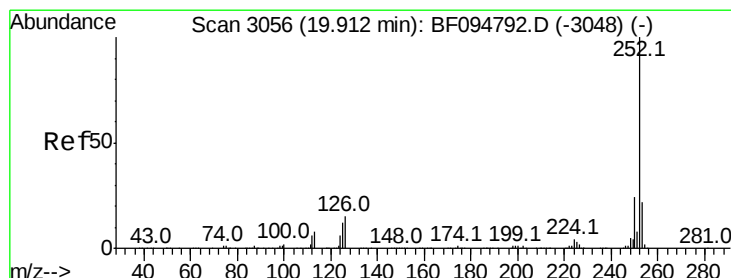
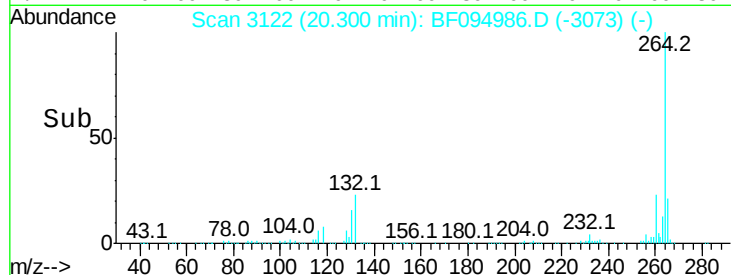
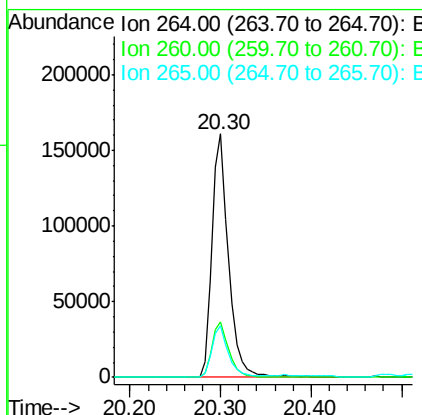
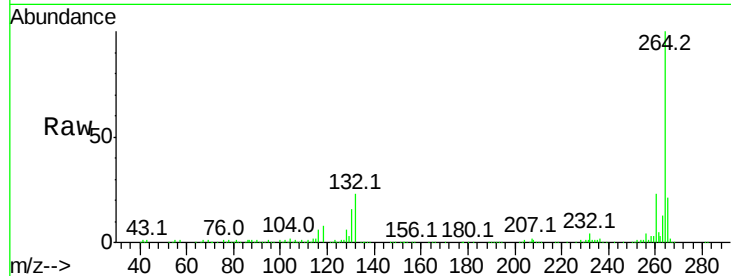
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF094986.D
Acq: 8 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
TP4-5COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	21.1	17.2	25.8

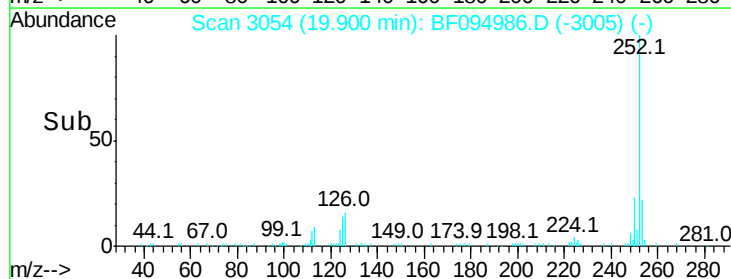
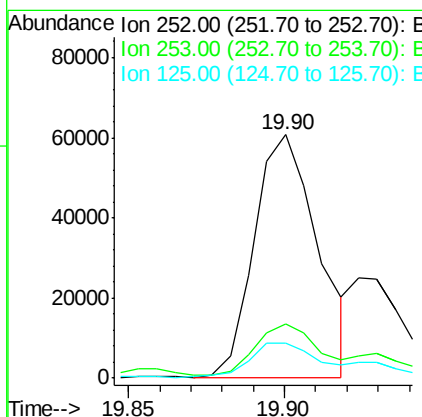
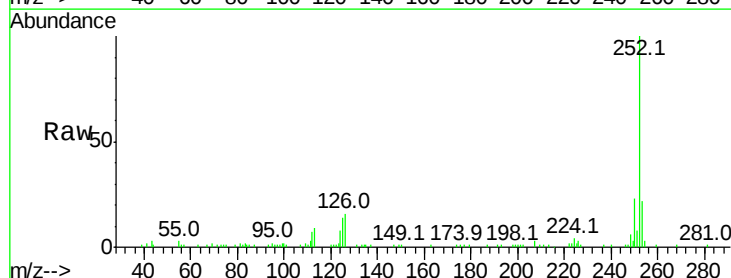
Manual Integrations
APPROVED

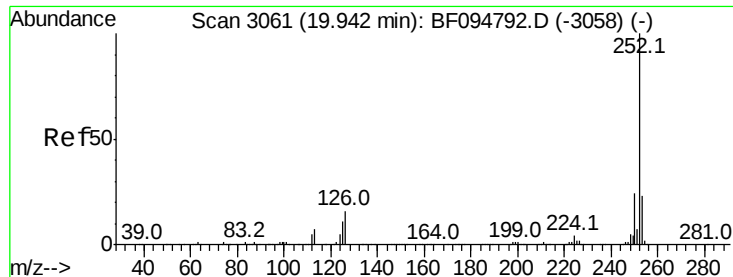
mohammad
5/9/2017 5:02:32 PM



#87
Benzo(b)fluoranthene
Concen: 6.76 ng m
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF094986.D
Acq: 8 May 2017 18:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	14.2	9.8	14.8





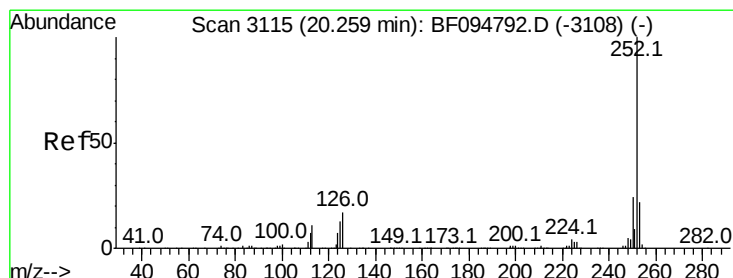
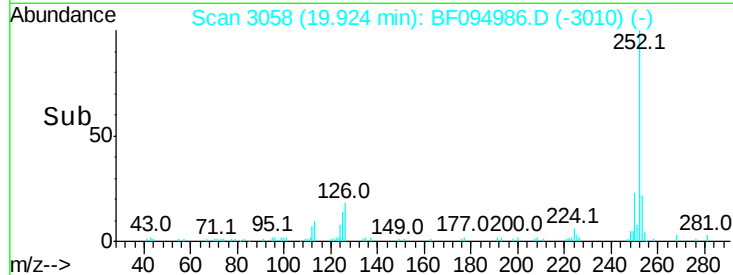
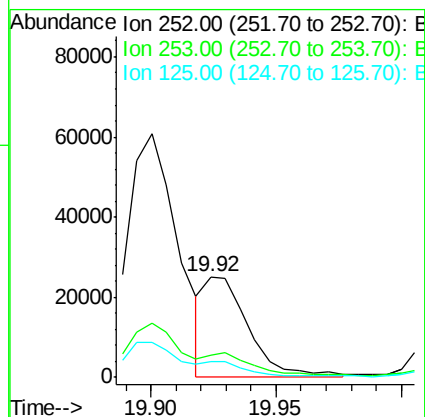
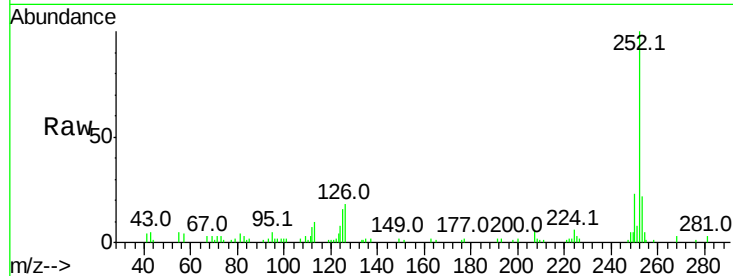
#88
Benzo(k)fluoranthene
Concen: 2.50 ng
RT: 19.92 min Scan# 3058
Delta R.T. -0.02 min
Lab File: BF094986.D
Acq: 8 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
TP4-5COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.4	27.6
125	16.1	13.1	19.7

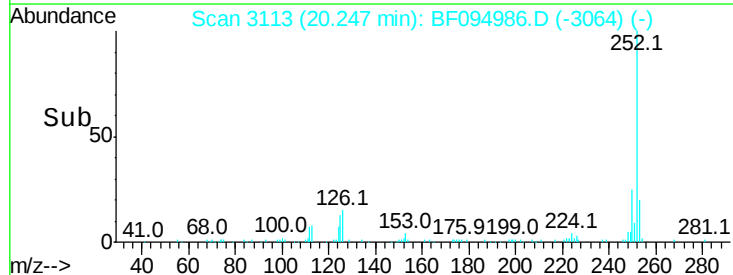
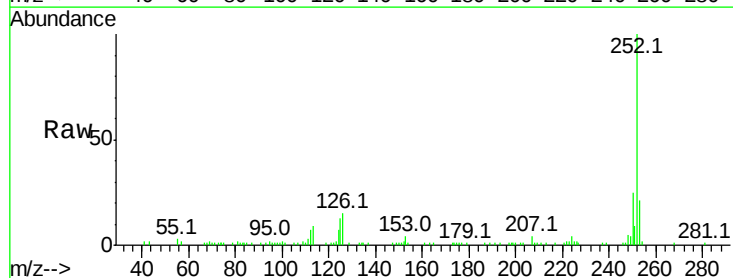
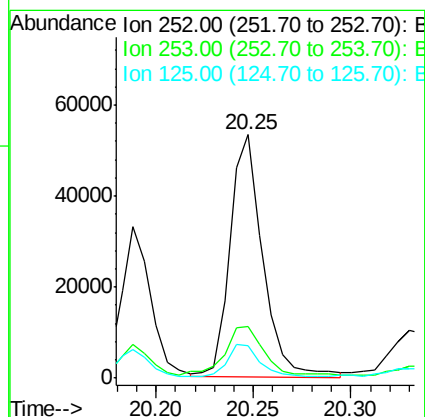
Manual Integrations
APPROVED

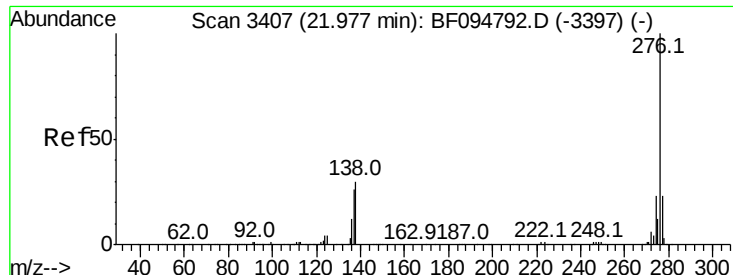
mohammad
5/9/2017 5:02:32 PM



#89
Benzo(a)pyrene
Concen: 5.26 ng
RT: 20.25 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BF094986.D
Acq: 8 May 2017 18:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.5	26.3
125	13.4	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 3.18 ng
 RT: 21.98 min Scan# 3408
 Delta R.T. 0.01 min
 Lab File: BF094986.D
 Acq: 8 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 TP4-5COMP

Tot Ion:	276	Resp:	30198
Ion Ratio	Lower	Upper	
276	100		
277	25.7	18.6	28.0
138	34.3	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 5/9/2017 5:02:32 PM

