

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041317\
 Data File : BF094405.D
 Acq On : 13 Apr 2017 22:01
 Operator : SJ/MA
 Sample : I2662-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AREA-4-COMP

Manual Integrations
 APPROVED

mohammad
 4/14/2017 1:36:54 PM

Quant Time: Apr 14 02:51:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 14 01:21:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.79	152	161839	20.00	ng	-0.04
21) Naphthalene-d8	7.29	136	624769	20.00	ng	-0.05
38) Acenaphthene-d10	9.42	164	257081	20.00	ng	-0.05
63) Phenanthrene-d10	11.25	188	396613	20.00	ng	-0.05
75) Chrysene-d12	14.49	240	298096	20.00	ng	-0.06
86) Perylene-d12	16.12	264	235804	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	4.35	112	988584	103.17	ng	-0.03
7) Phenol-d6	5.42	99	1274501	107.52	ng	-0.04
23) Nitrobenzene-d5	6.44	82	780259	71.27	ng	-0.05
41) 2,4,6-Tribromophenol	10.40	330	201361	99.12	ng	-0.04
44) 2-Fluorobiphenyl	8.62	172	1282507	76.09	ng	-0.04
78) Terphenyl-d14	13.23	244	801524	60.27	ng	-0.05
Target Compounds						Qvalue
10) Phenol	5.43	94	72789	5.40	ng	88
49) Dimethylphthalate	9.10	163	138911	7.60	ng	100
70) Phenanthrene	11.27	178	60253	2.73	ng	96
74) Fluoranthene	12.73	202	168369	7.45	ng	99
77) Pyrene	13.01	202	162785	7.52	ng	97
80) Benzo(a)anthracene	14.49	228	68517	3.94	ng	99
82) Chrysene	14.53	228	76814	4.76	ng	95
85) Indeno(1,2,3-cd)pyrene	17.41	276	52895	3.79	ng	94
87) Benzo(b)fluoranthene	15.72	252	80468m	5.57	ng	
88) Benzo(k)fluoranthene	15.74	252	31611m	2.24	ng	
89) Benzo(a)pyrene	16.06	252	74019	5.56	ng	96
91) Benzo(a,h,i)perylene	17.79	276	77599	6.83	ng	98

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

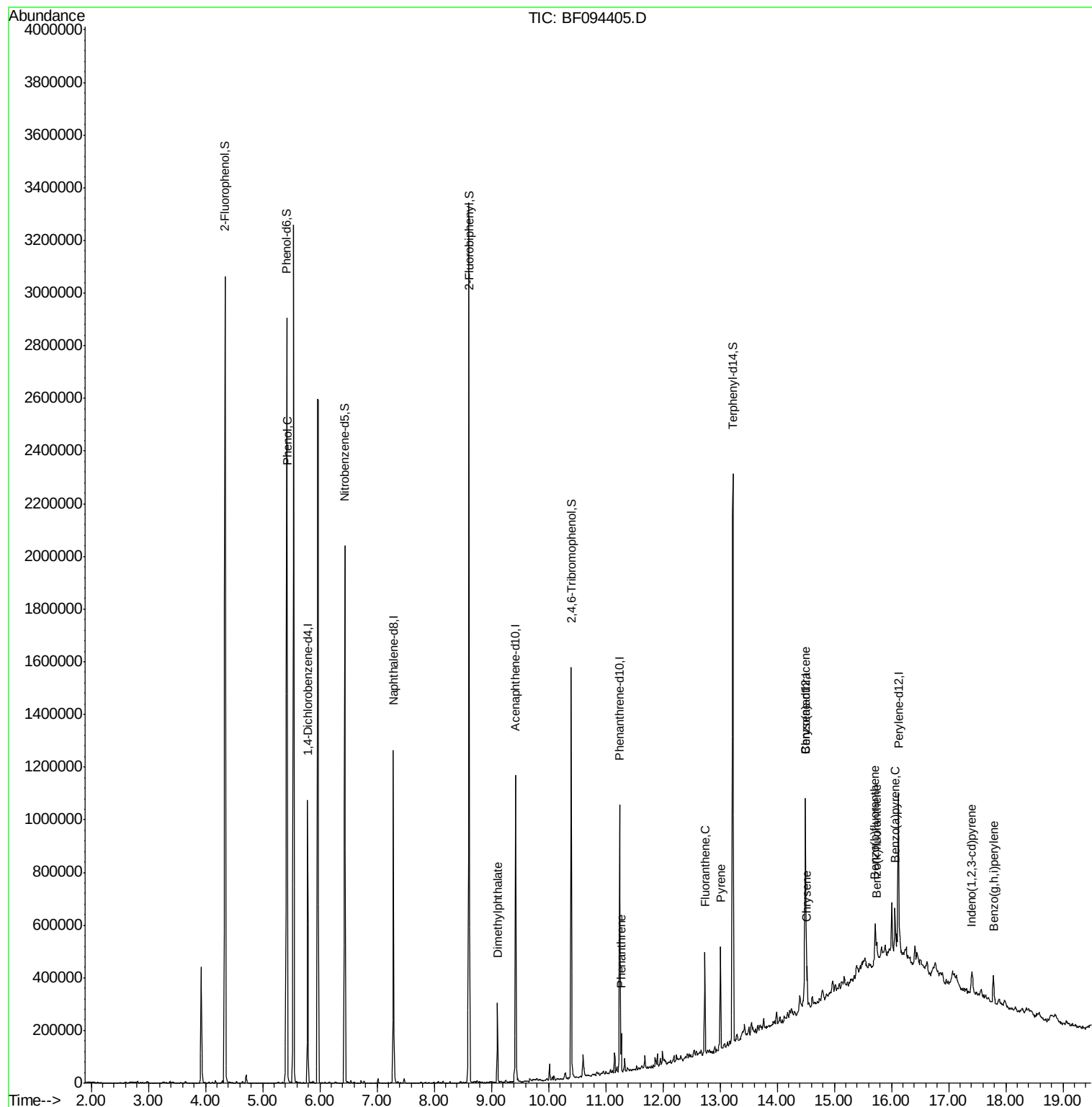
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041317\
Data File : BF094405.D
Acq On : 13 Apr 2017 22:01
Operator : SJ/MA
Sample : I2662-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

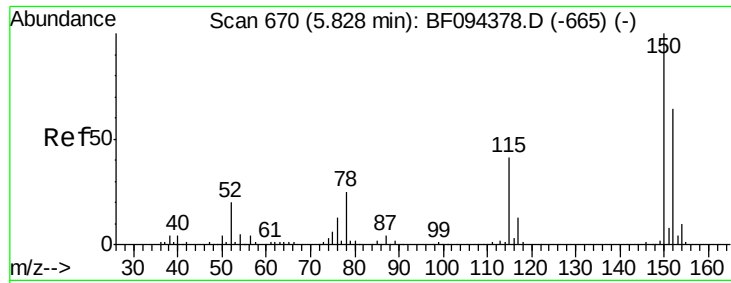
Instrument :
BNA_F
ClientSampleId :
AREA-4-COMP

Manual Integrations
APPROVED

mohammad
4/14/2017 1:36:54 PM

Quant Time: Apr 14 02:51:08 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 14 01:21:26 2017
Response via : Initial Calibration





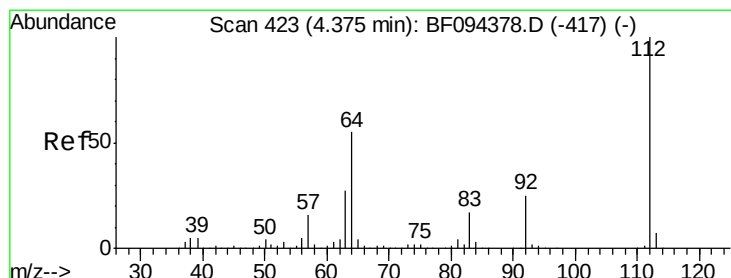
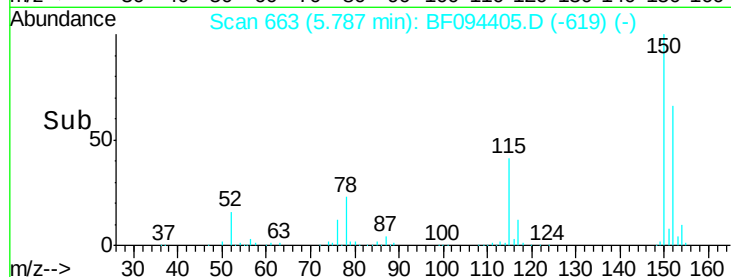
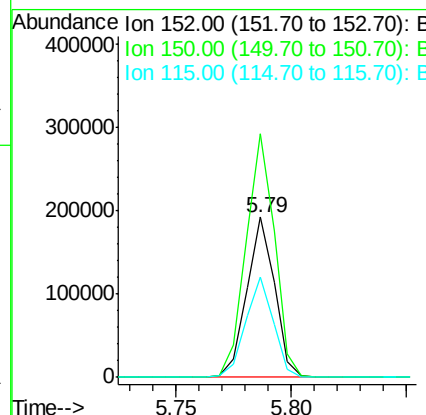
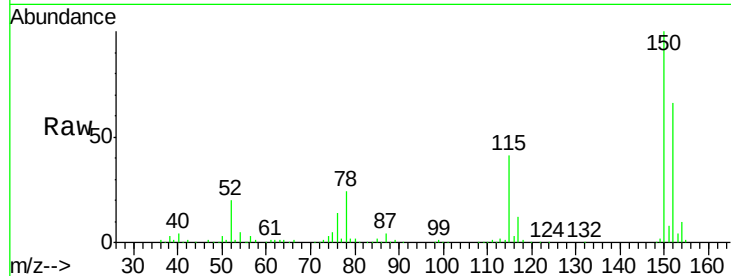
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.79 min Scan# 663
 Delta R.T. -0.04 min
 Lab File: BF094405.D
 Acq: 13 Apr 2017 22:01

Instrument :
 BNA_F
 ClientSampleId :
 AREA-4-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	126.2	189.2
115	62.3	52.2	78.2

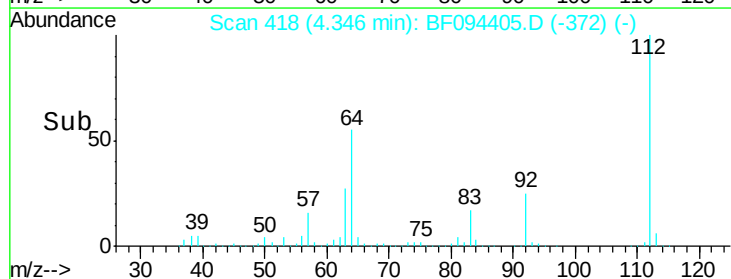
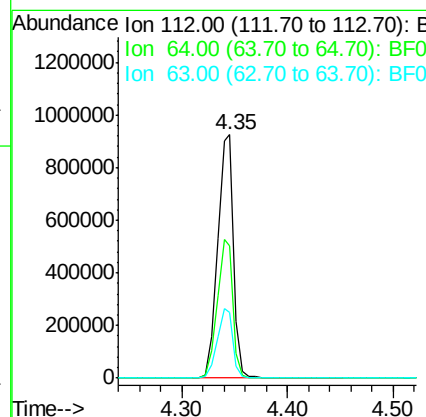
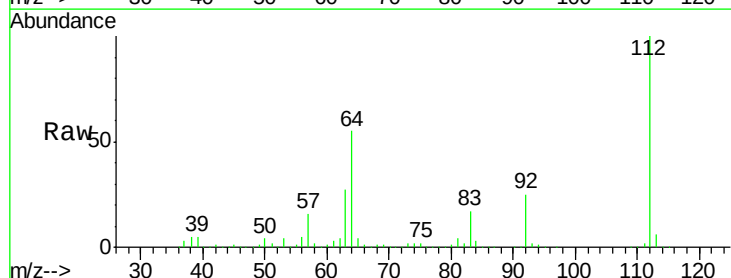
Manual Integrations
 APPROVED

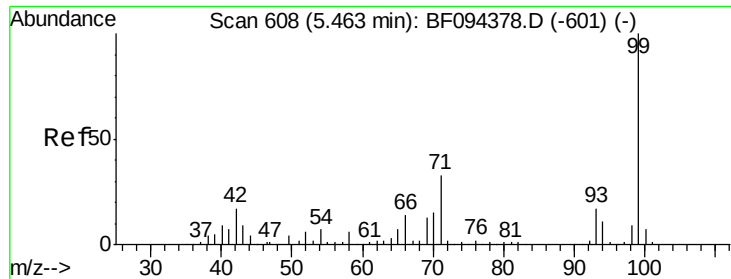
mohammad
 4/14/2017 1:36:54 PM



#5
 2-Fluorophenol
 Concen: 103.17 ng
 RT: 4.35 min Scan# 418
 Delta R.T. -0.03 min
 Lab File: BF094405.D
 Acq: 13 Apr 2017 22:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	46.0	69.0
63	26.9	23.4	35.0





#7

Phenol-d6

Concen: 107.52 ng

RT: 5.42 min Scan# 601

Delta R.T. -0.04 min

Lab File: BF094405.D

Acq: 13 Apr 2017 22:01

Instrument :

BNA_F

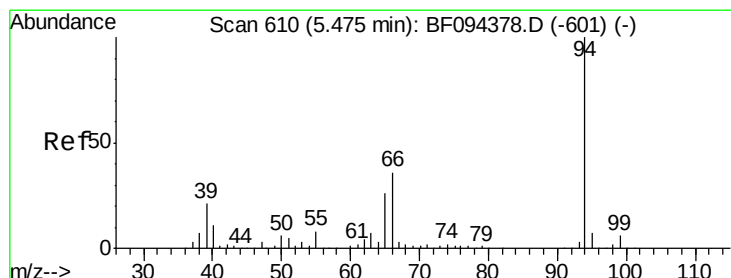
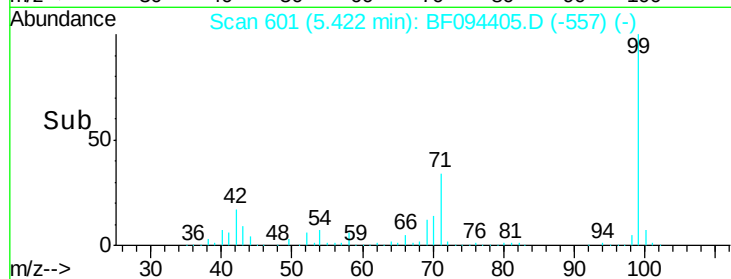
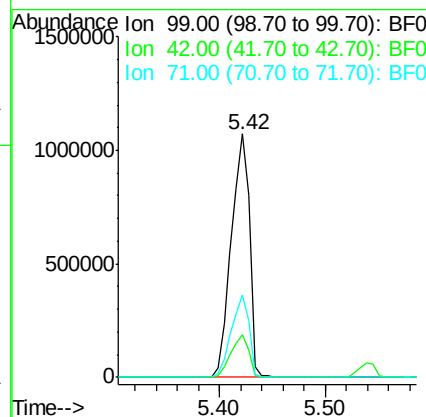
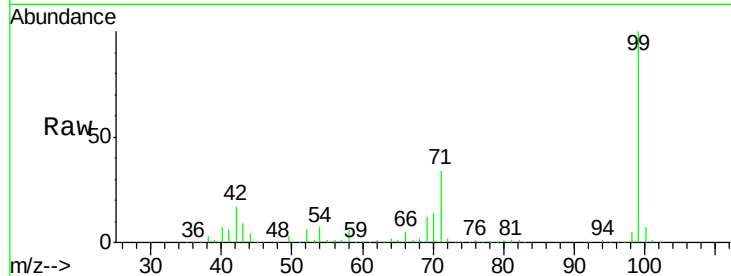
ClientSampleId :

AREA-4-COMP

Tot Ion:	99	Resp:	1274501
Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.5	20.3
71	33.9	24.5	36.7

Manual Integrations
APPROVED

mohammad
4/14/2017 1:36:54 PM



#10

Phenol

Concen: 5.40 ng

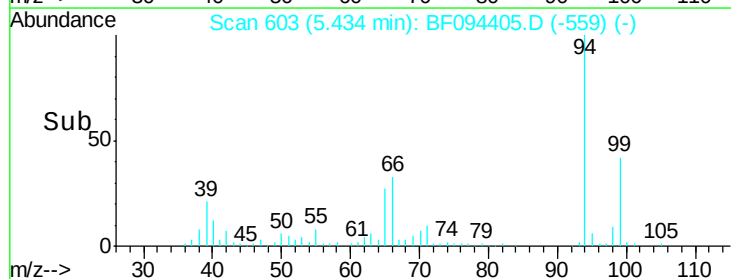
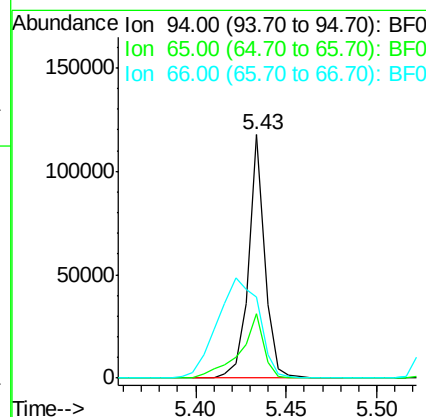
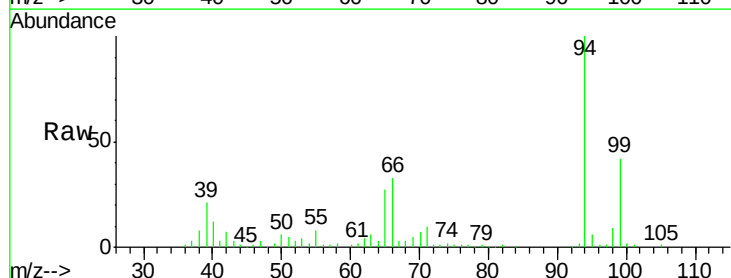
RT: 5.43 min Scan# 603

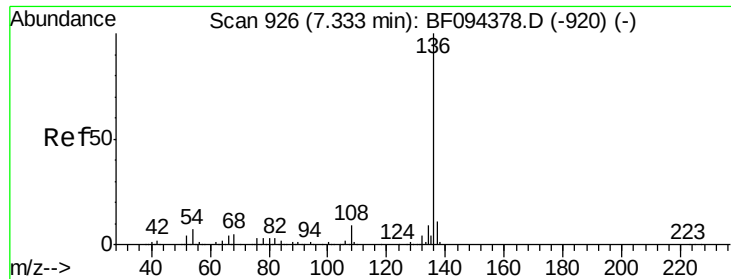
Delta R.T. -0.04 min

Lab File: BF094405.D

Acq: 13 Apr 2017 22:01

Tgt Ion:	94	Resp:	72789
Ion	Ratio	Lower	Upper
94	100		
65	26.7	9.9	49.9
66	33.1	23.1	63.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.29 min Scan# 918

Delta R.T. -0.05 min

Lab File: BF094405.D

Acq: 13 Apr 2017 22:01

Instrument :

BNA_F

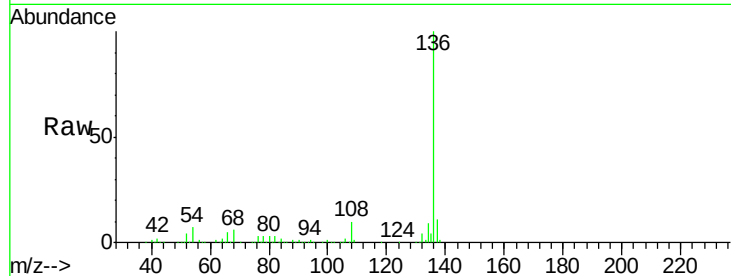
ClientSampleId :

AREA-4-COMP

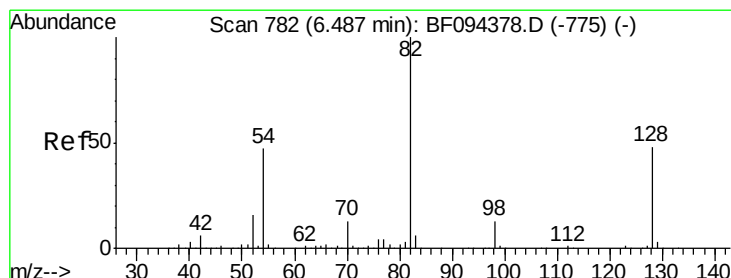
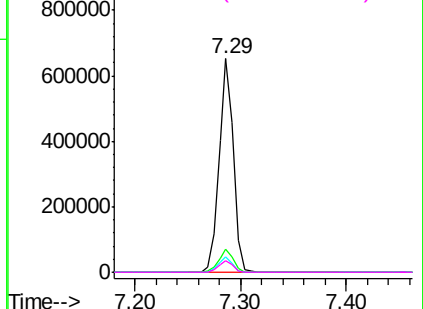
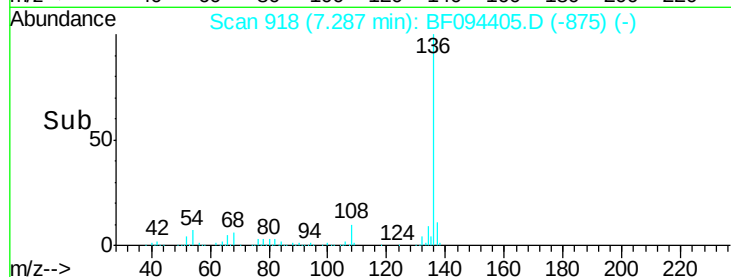
Tot Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.2	4.9	7.3
68	5.6	4.1	6.1

Manual Integrations
APPROVED

mohammad
4/14/2017 1:36:54 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: 71.27 ng

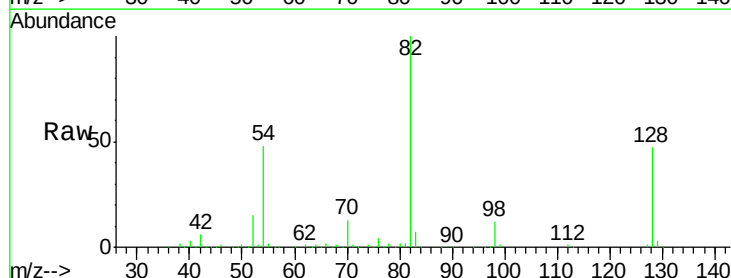
RT: 6.44 min Scan# 774

Delta R.T. -0.05 min

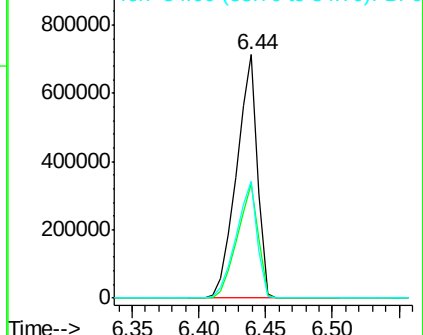
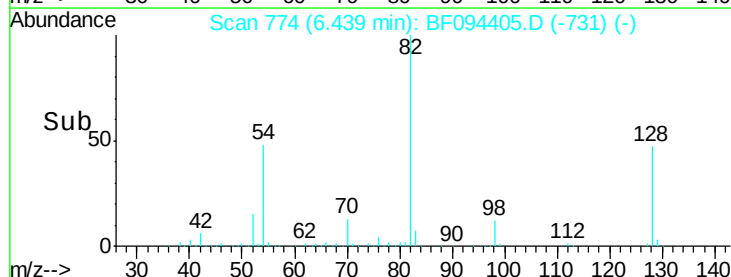
Lab File: BF094405.D

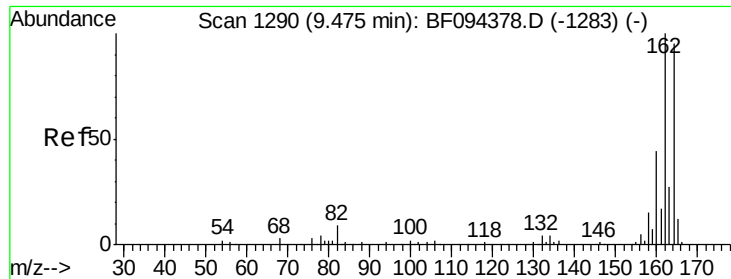
Acq: 13 Apr 2017 22:01

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.1	34.0	51.0
54	48.2	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





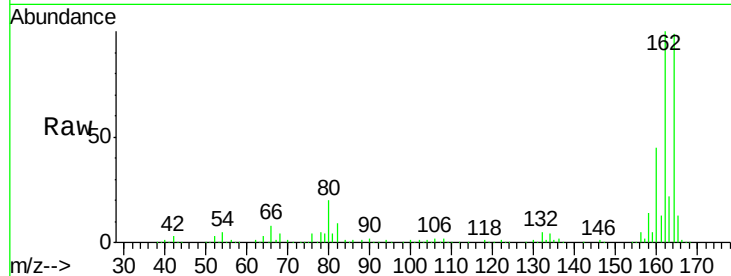
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.42 min Scan# 1281
Delta R.T. -0.05 min
Lab File: BF094405.D
Acq: 13 Apr 2017 22:01

Instrument :
BNA_F
ClientSampleId :
AREA-4-COMP

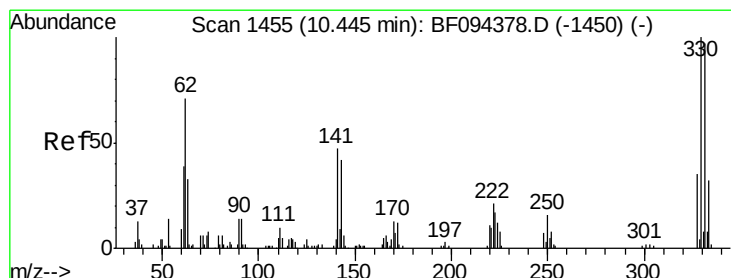
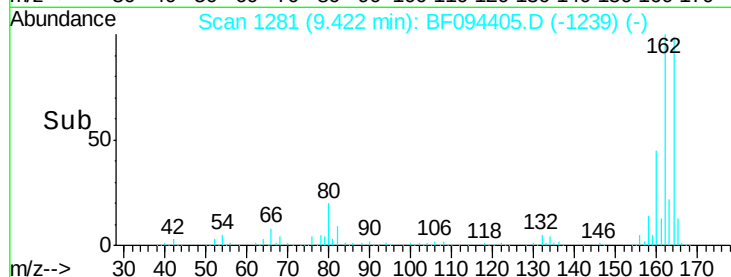
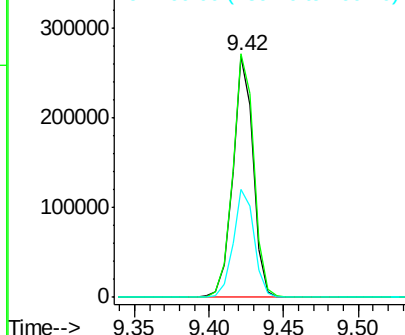
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.6	123.8
160	44.9	36.2	54.2

Manual Integrations
APPROVED

mohammad
4/14/2017 1:36:54 PM

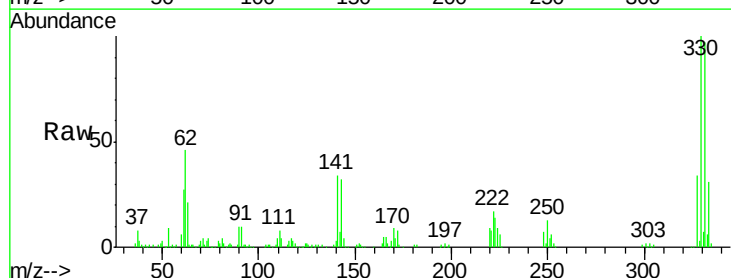


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

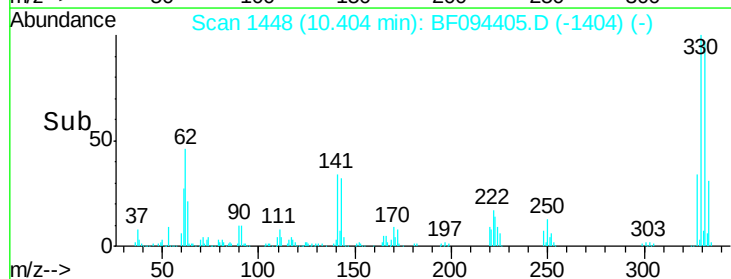
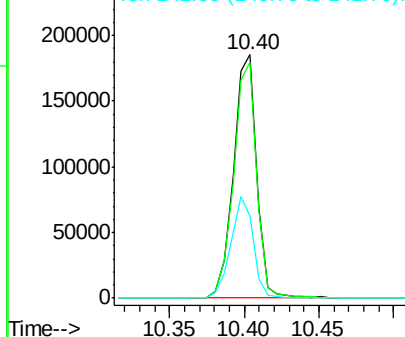


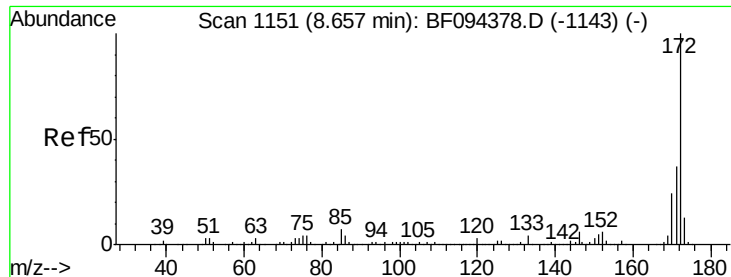
#41
2,4,6-Tribromophenol
Concen: 99.12 ng
RT: 10.40 min Scan# 1448
Delta R.T. -0.04 min
Lab File: BF094405.D
Acq: 13 Apr 2017 22:01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	115.0
141	40.7	31.4	47.2



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





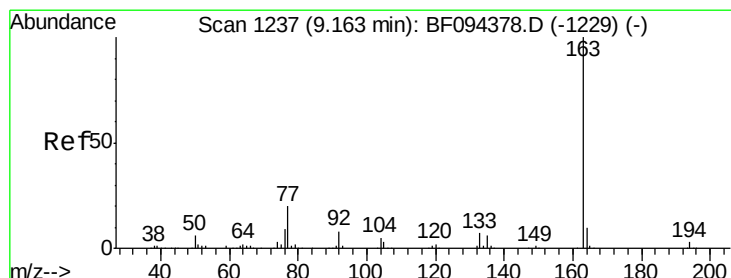
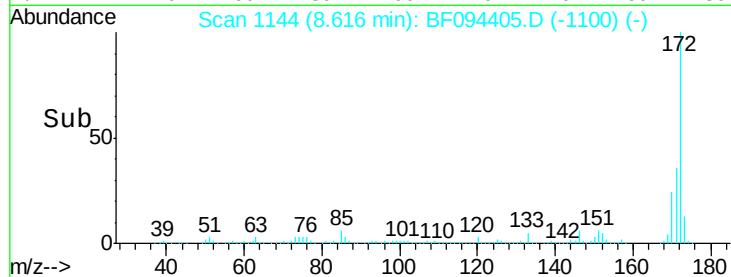
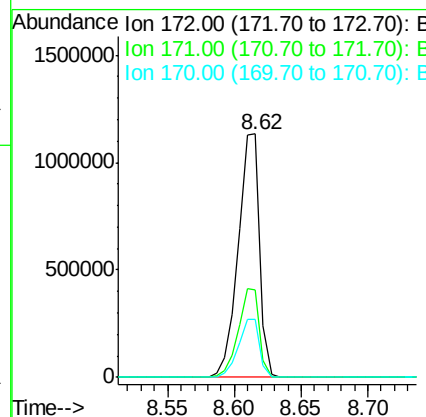
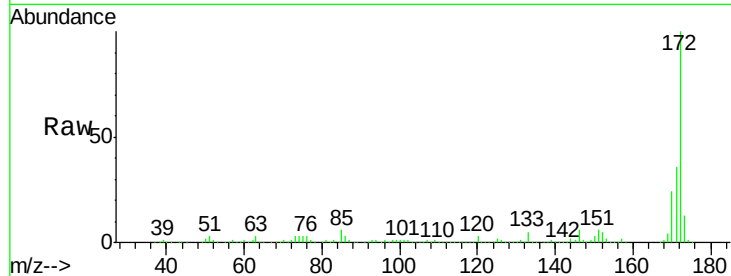
#44
2-Fluorobiphenyl
Concen: 76.09 ng
RT: 8.62 min Scan# 1144
Delta R.T. -0.04 min
Lab File: BF094405.D
Acq: 13 Apr 2017 22:01

Instrument :
BNA_F
ClientSampleId :
AREA-4-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.6	19.8	29.8

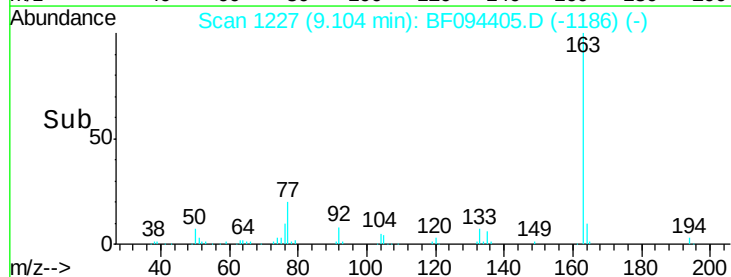
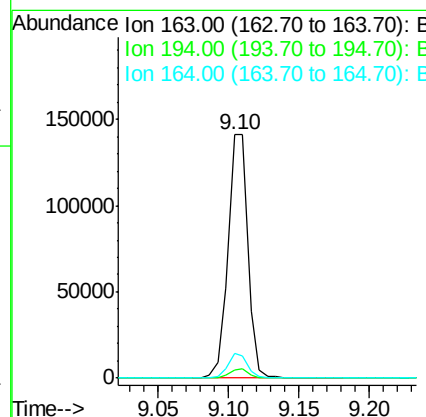
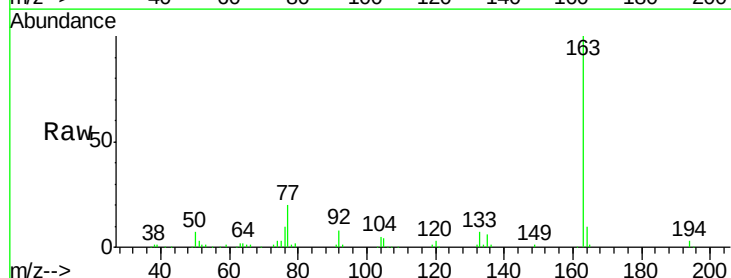
Manual Integrations
APPROVED

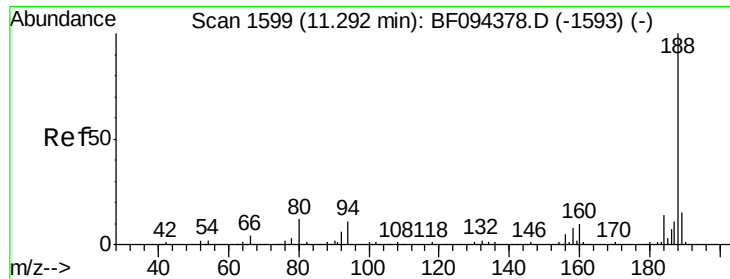
mohammad
4/14/2017 1:36:54 PM



#49
Dimethylphthalate
Concen: 7.60 ng
RT: 9.10 min Scan# 1227
Delta R.T. -0.06 min
Lab File: BF094405.D
Acq: 13 Apr 2017 22:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.4	8.4	12.6





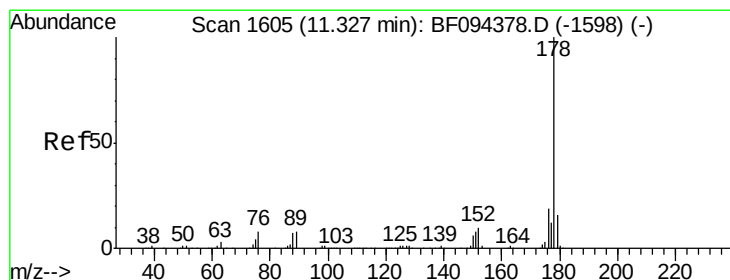
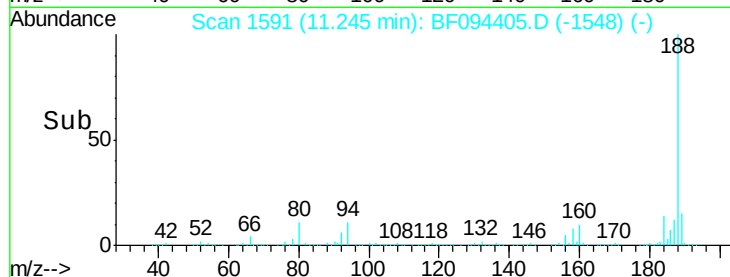
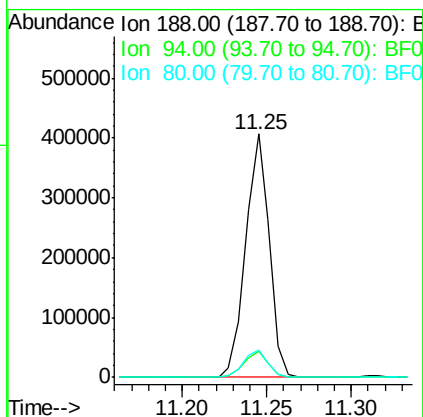
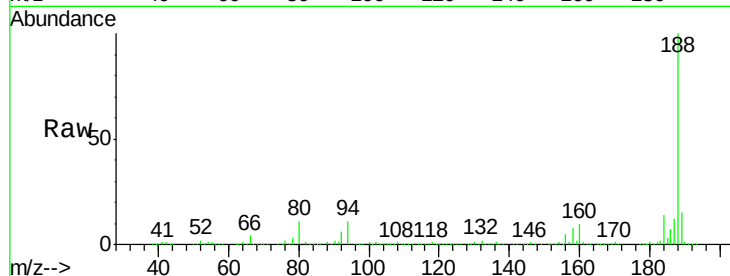
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 1591
Delta R.T. -0.05 min
Lab File: BF094405.D
Acq: 13 Apr 2017 22:01

Instrument :
BNA_F
ClientSampleId :
AREA-4-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	396613		
94	10.8		9.4	14.2
80	11.2		10.2	15.2

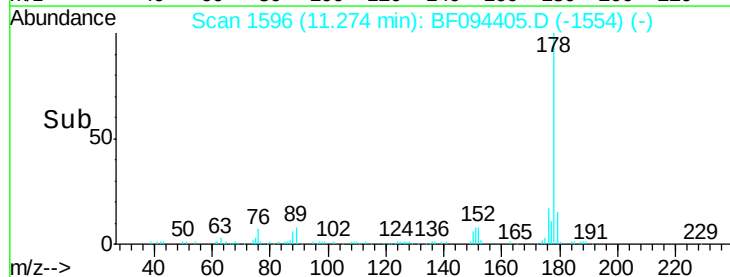
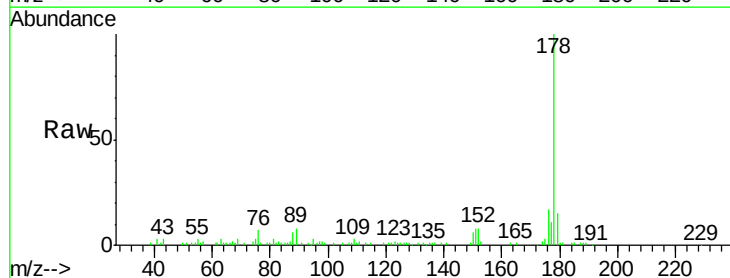
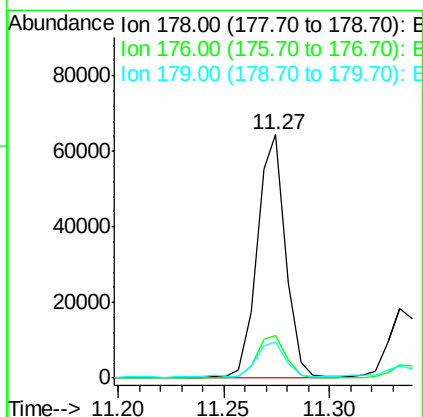
Manual Integrations
APPROVED

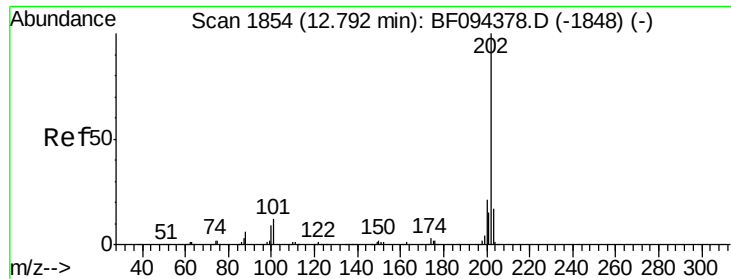
mohammad
4/14/2017 1:36:54 PM



#70
Phenanthrene
Concen: 2.73 ng
RT: 11.27 min Scan# 1596
Delta R.T. -0.05 min
Lab File: BF094405.D
Acq: 13 Apr 2017 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	60253		
176	17.3		16.2	24.4
179	15.1		12.6	19.0





#74

Fluoranthene

Concen: 7.45 ng

RT: 12.73 min Scan# 1844

Delta R.T. -0.06 min

Lab File: BF094405.D

Acq: 13 Apr 2017 22:01

Instrument :

BNA_F

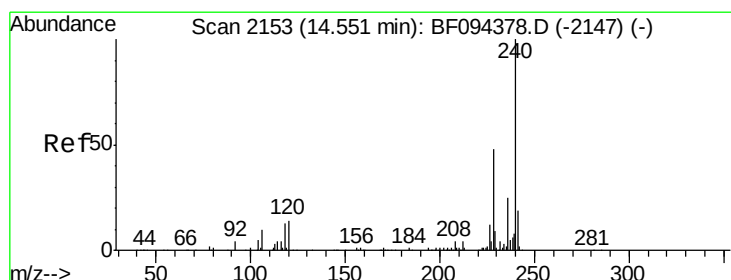
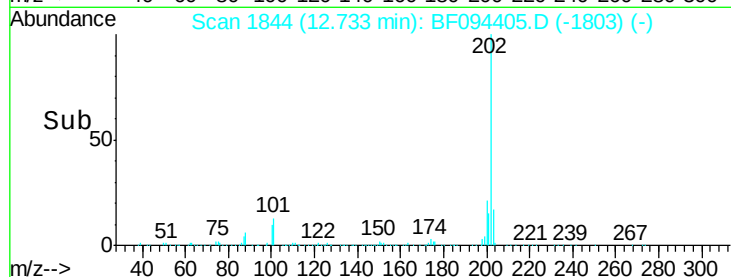
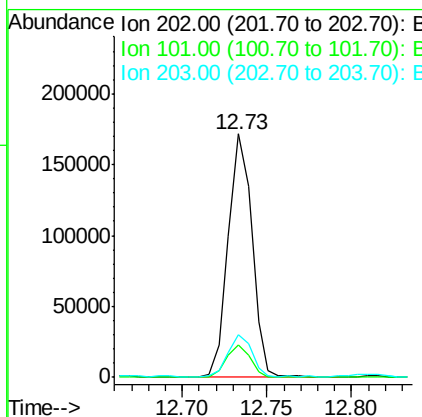
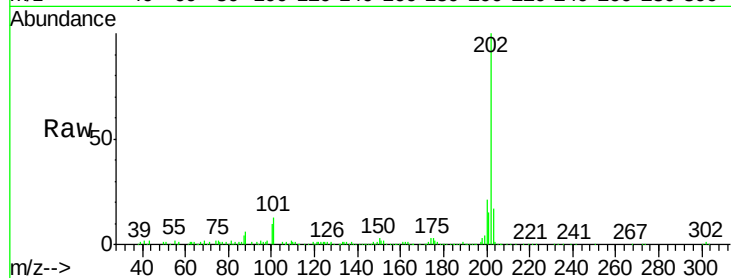
ClientSampleId :

AREA-4-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		168369		
101	13.4	0.0	33.2		
203	17.3	0.0	38.1		

Manual Integrations
APPROVED

mohammad
4/14/2017 1:36:54 PM



#75

Chrysene-d12

Concen: 20.00 ng

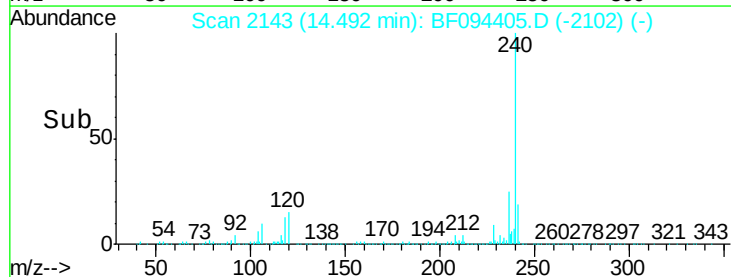
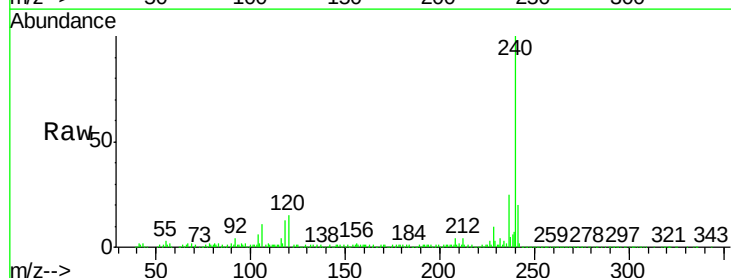
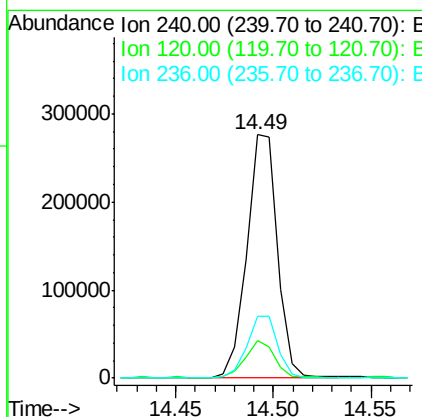
RT: 14.49 min Scan# 2143

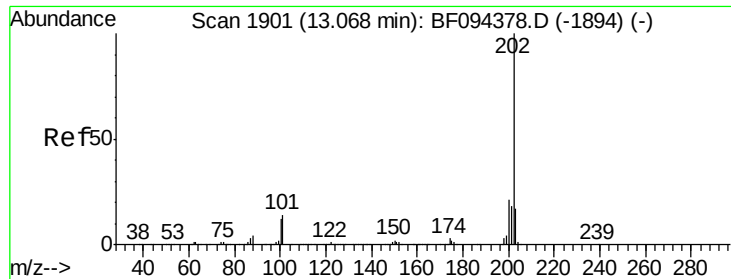
Delta R.T. -0.06 min

Lab File: BF094405.D

Acq: 13 Apr 2017 22:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		298096		
120	15.4	5.8	8.8#		
236	25.3	20.5	30.7		





#77

Pvrene

Concen: 7.52 ng

RT: 13.01 min Scan# 1891

Delta R.T. -0.06 min

Lab File: BF094405.D

Acq: 13 Apr 2017 22:01

Instrument :

BNA_F

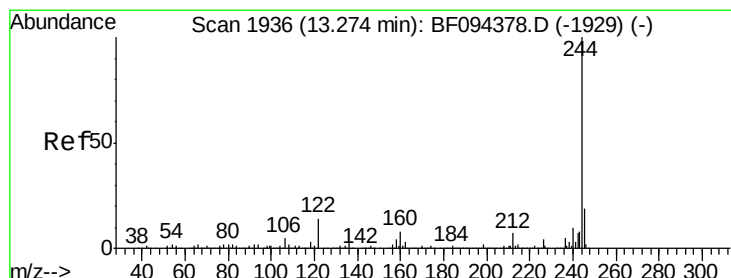
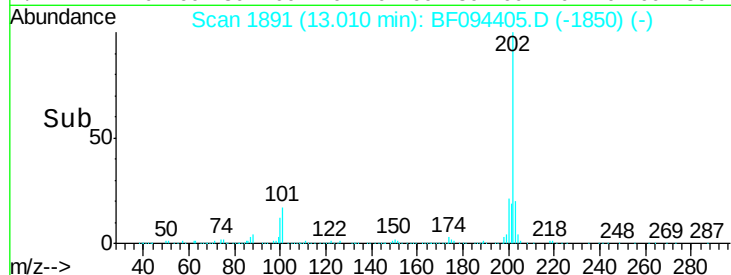
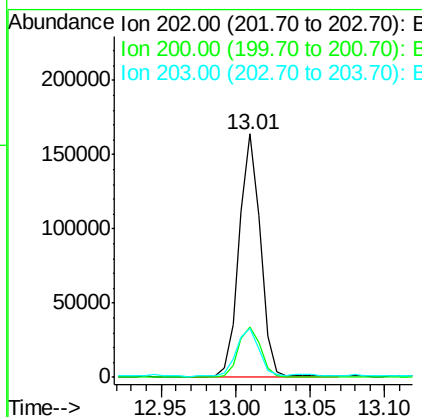
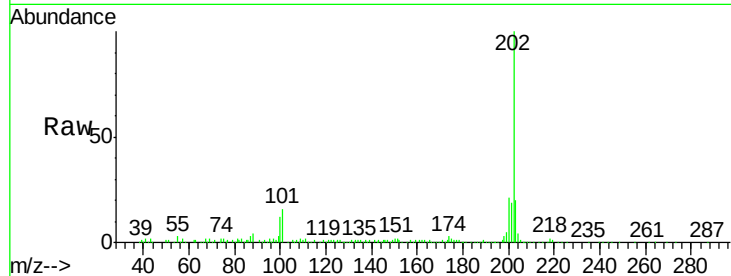
ClientSampleId :

AREA-4-COMP

Tot Ion:	202	Resp:	162785
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.6	26.4
203	19.9	14.4	21.6

Manual Integrations
APPROVED

mohammad
4/14/2017 1:36:54 PM



#78

Terphenyl-d14

Concen: 60.27 ng

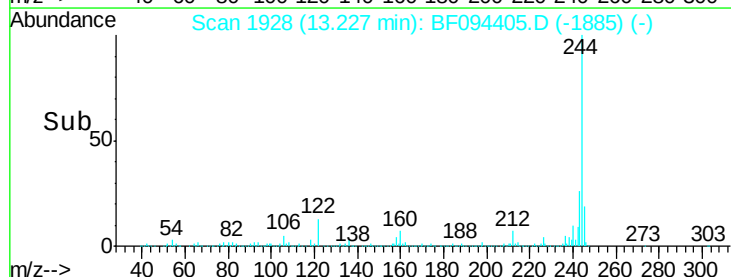
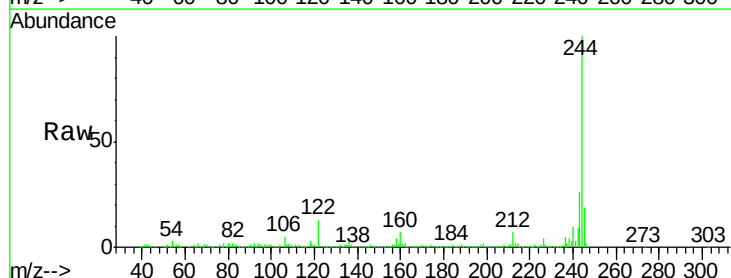
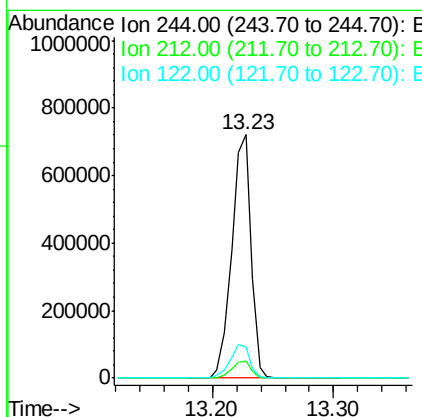
RT: 13.23 min Scan# 1928

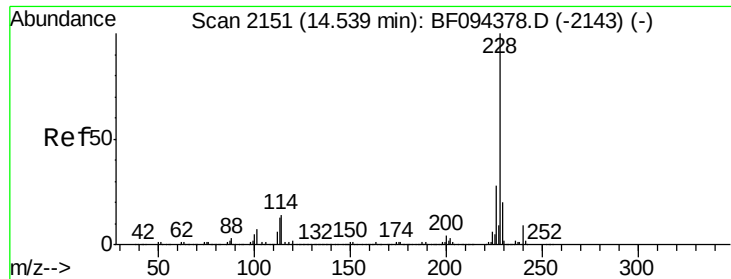
Delta R.T. -0.05 min

Lab File: BF094405.D

Acq: 13 Apr 2017 22:01

Tgt Ion:	244	Resp:	801524
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	12.9	10.3	15.5





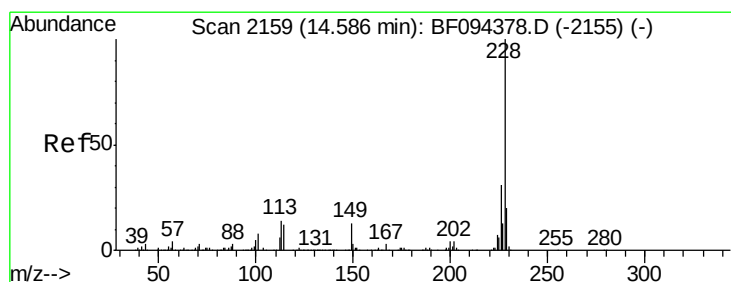
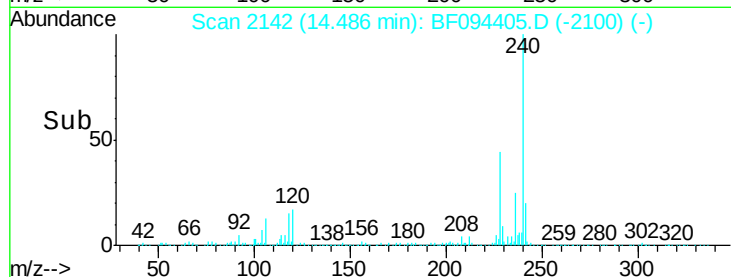
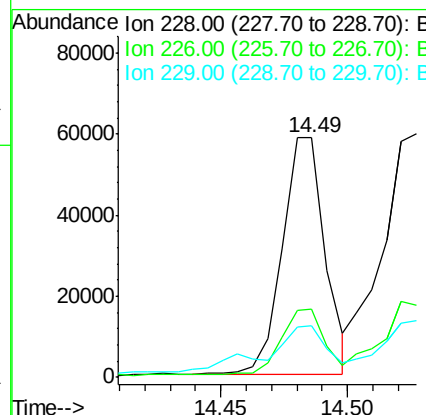
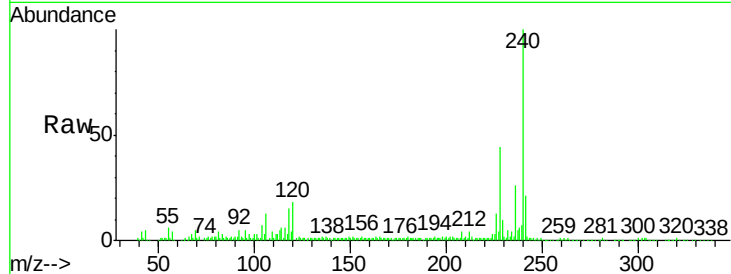
#80
Benzo(a)anthracene
Concen: 3.94 ng
RT: 14.49 min Scan# 2142
Delta R.T. -0.05 min
Lab File: BF094405.D
Acq: 13 Apr 2017 22:01

Instrument :
BNA_F
ClientSampleId :
AREA-4-COMP

Tot Ion:228	Resp:	68517
Ion Ratio	Lower	Upper
228 100		
226 28.4	22.6	33.8
229 21.7	16.3	24.5

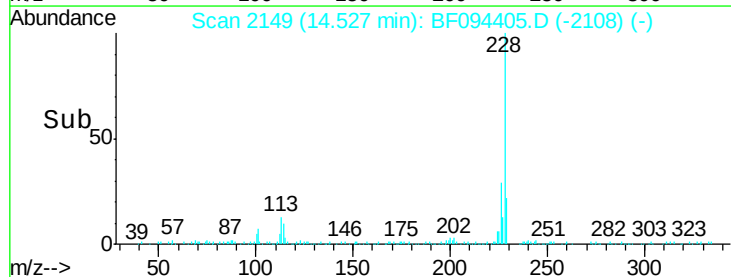
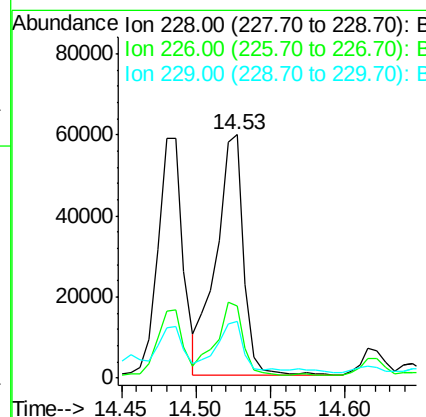
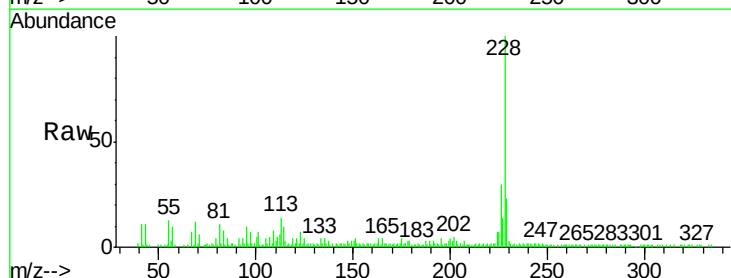
Manual Integrations
APPROVED

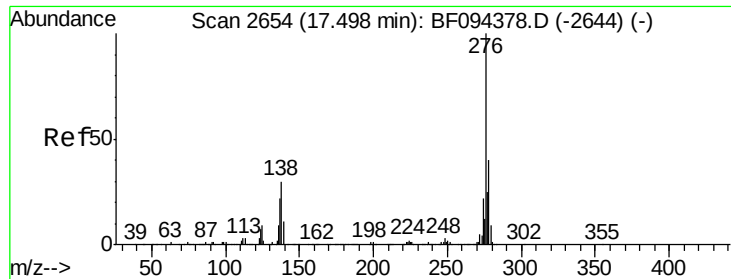
mohammad
4/14/2017 1:36:54 PM



#82
Chrysene
Concen: 4.76 ng
RT: 14.53 min Scan# 2149
Delta R.T. -0.06 min
Lab File: BF094405.D
Acq: 13 Apr 2017 22:01

Tgt Ion:228	Resp:	76814
Ion Ratio	Lower	Upper
228 100		
226 29.6	24.9	37.3
229 23.4	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.79 ng

RT: 17.41 min Scan# 2639

Delta R.T. -0.09 min

Lab File: BF094405.D

Acq: 13 Apr 2017 22:01

Instrument :

BNA_F

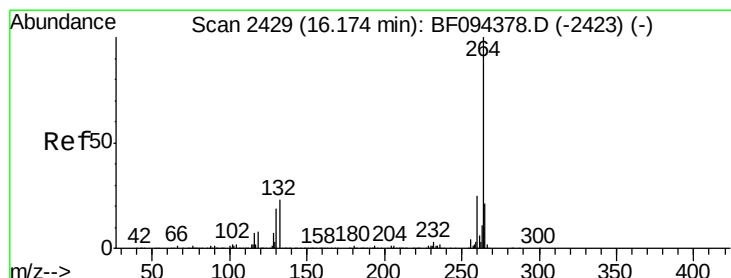
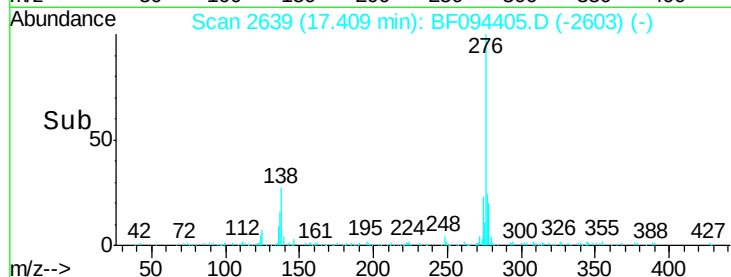
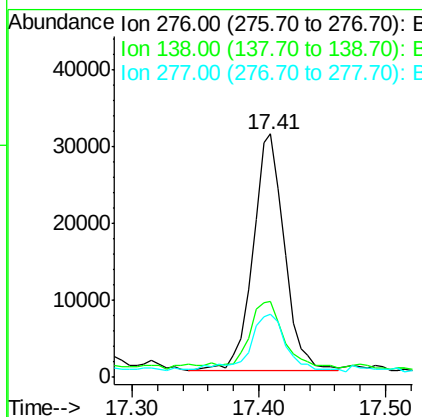
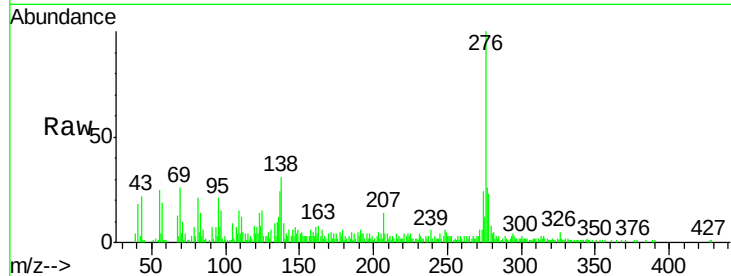
ClientSampleId :

AREA-4-COMP

Tot Ion:	276	Resp:	52895
Ion Ratio	Lower	Upper	
276	100		
138	31.5	27.8	41.6
277	28.9	20.2	30.4

Manual Integrations
APPROVED

mohammad
4/14/2017 1:36:54 PM



#86

Perylene-d12

Concen: 20.00 ng

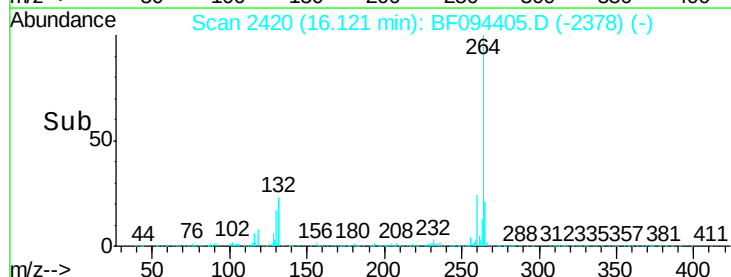
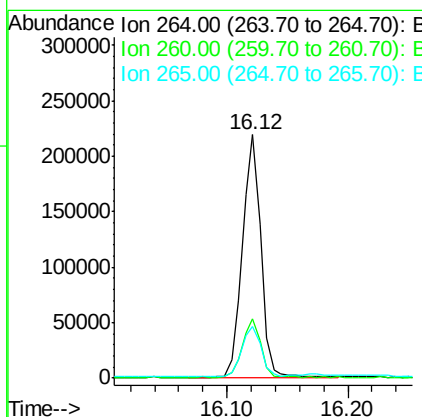
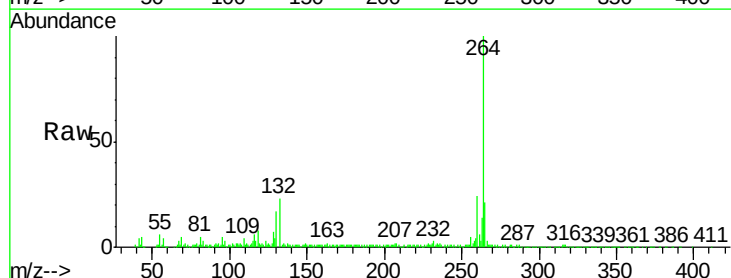
RT: 16.12 min Scan# 2420

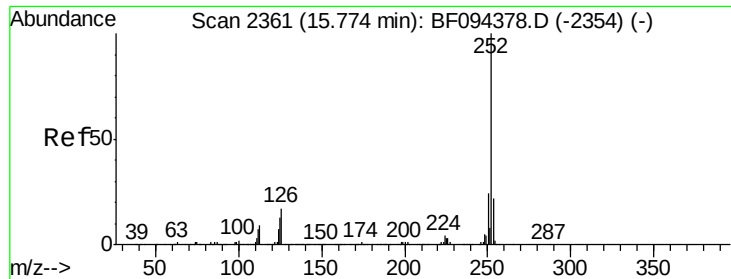
Delta R.T. -0.05 min

Lab File: BF094405.D

Acq: 13 Apr 2017 22:01

Tgt Ion:	264	Resp:	235804
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.5	29.3
265	21.3	17.2	25.8





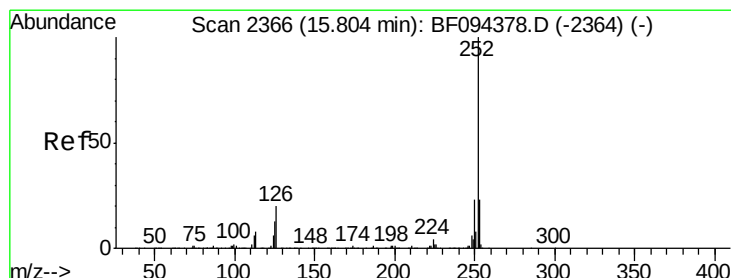
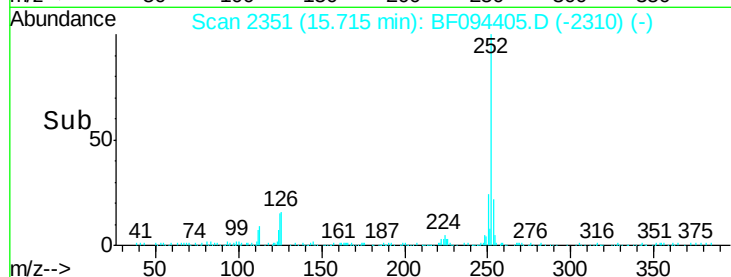
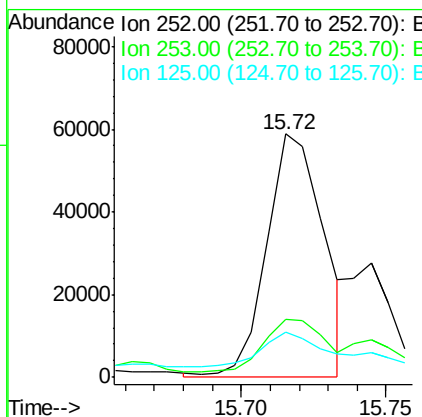
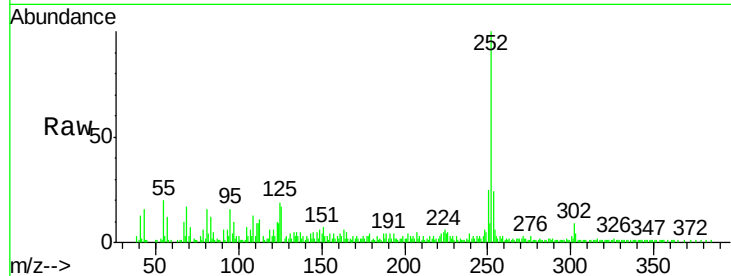
#87
Benzo(b)fluoranthene
Concen: 5.57 ng m
RT: 15.72 min Scan# 2351
Delta R.T. -0.06 min
Lab File: BF094405.D
Acq: 13 Apr 2017 22:01

Instrument :
BNA_F
ClientSampleId :
AREA-4-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.1	27.1
125	18.8	9.8	14.8

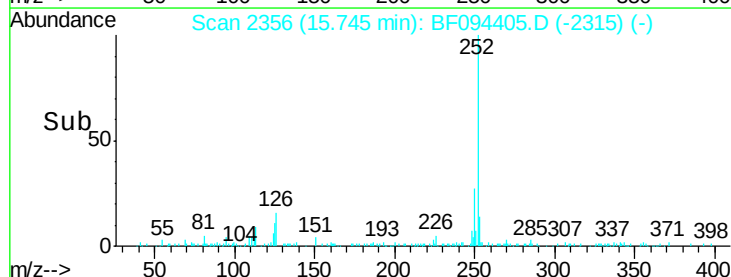
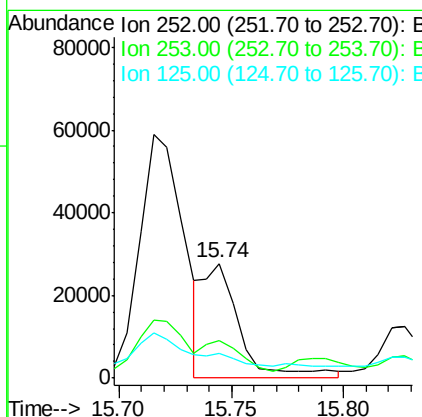
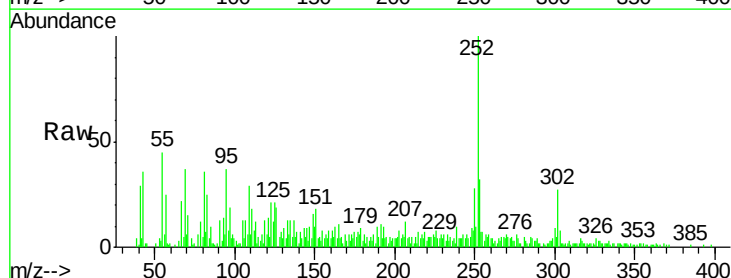
Manual Integrations
APPROVED

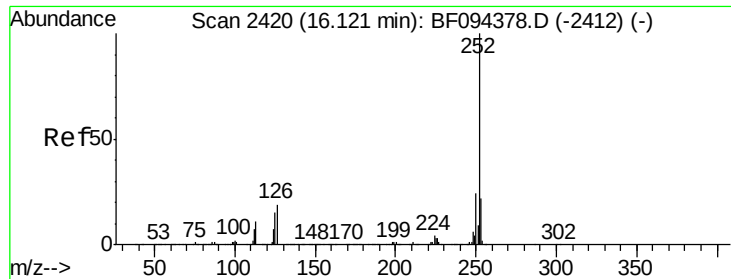
mohammad
4/14/2017 1:36:54 PM



#88
Benzo(k)fluoranthene
Concen: 2.24 ng m
RT: 15.74 min Scan# 2356
Delta R.T. -0.06 min
Lab File: BF094405.D
Acq: 13 Apr 2017 22:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.3	18.4	27.6
125	21.1	13.1	19.7





#89

Benzo(a)pyrene

Concen: 5.56 ng

RT: 16.06 min Scan# 2410

Delta R.T. -0.06 min

Lab File: BF094405.D

Acq: 13 Apr 2017 22:01

Instrument :

BNA_F

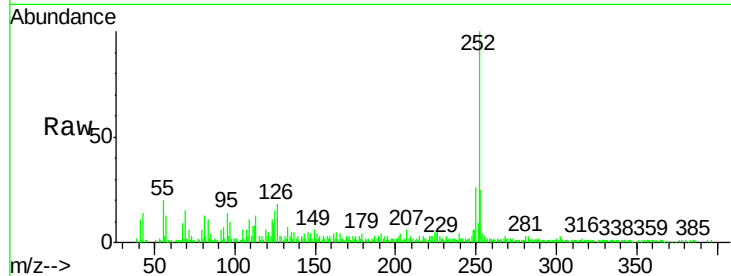
ClientSampleId :

AREA-4-COMP

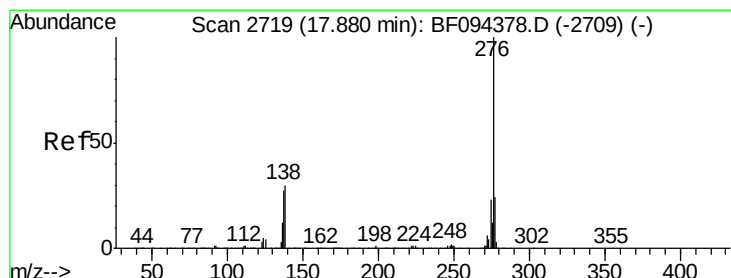
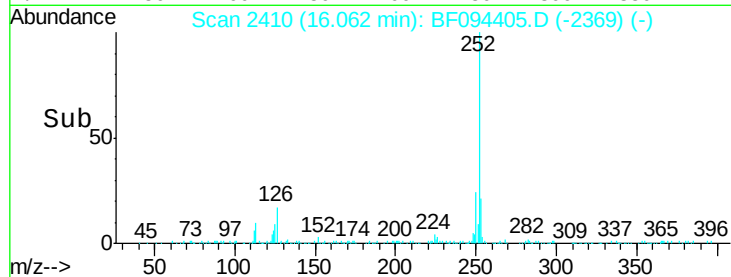
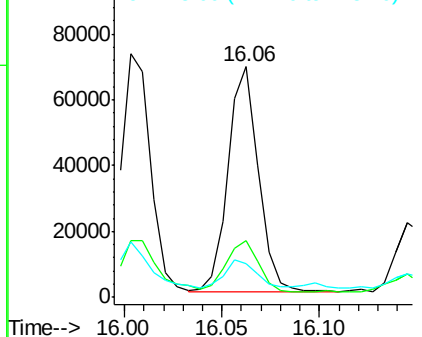
Tot Ion:	252	Resp:	74019
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.5	26.3
125	14.7	11.0	16.4

Manual Integrations
APPROVED

mohammad
4/14/2017 1:36:54 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



#91

Benzo(g,h,i)perylene

Concen: 6.83 ng

RT: 17.79 min Scan# 2703

Delta R.T. -0.09 min

Lab File: BF094405.D

Acq: 13 Apr 2017 22:01

Tgt Ion:	276	Resp:	77599
Ion Ratio	Lower	Upper	
276	100		
277	25.4	18.6	28.0
138	31.9	25.4	38.0

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

