

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
 Data File : BF096857.D
 Acq On : 18 Jul 2017 20:05
 Operator : SJ/JU
 Sample : I4245-13 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071717-E

Manual Integrations
 APPROVED

mohammad
 7/19/2017 2:31:45 PM

Quant Time: Jul 19 03:13:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	89413	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	400043	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	142654	20.00	ng	0.00
63) Phenanthrene-d10	11.10	188	194918	20.00	ng	0.00
75) Chrysene-d12	13.73	240	159761	20.00	ng	0.00
86) Perylene-d12	15.12	264	97544	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	64831	10.90	ng	0.00
7) Phenol-d6	6.25	99	88994	12.47	ng	0.00
23) Nitrobenzene-d5	7.16	82	38561	5.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	11330	9.30	ng	0.00
44) 2-Fluorobiphenyl	8.96	172	78031	8.64	ng	0.00
78) Terphenyl-d14	12.69	244	55478	6.02	ng	0.00
Target Compounds						
70) Phenanthrene	11.13	178	43059	4.063	ng	98
74) Fluoranthene	12.31	202	120857	11.914	ng	99
77) Pyrene	12.54	202	115102	7.939	ng	99
80) Benzo(a)anthracene	13.72	228	58913	5.918	ng	96
82) Chrysene	13.76	228	55509m	5.664	ng	
85) Indeno(1,2,3-cd)pyrene	16.42	276	19840	5.431	ng	94
87) Benzo(b)fluoranthene	14.74	252	52062m	8.850	ng	
88) Benzo(k)fluoranthene	14.76	252	17317m	3.108	ng	
89) Benzo(a)pyrene	15.06	252	36975	6.853	ng	# 72
91) Benzo(g,h,i)perylene	16.80	276	20914	3.934	ng	# 87

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

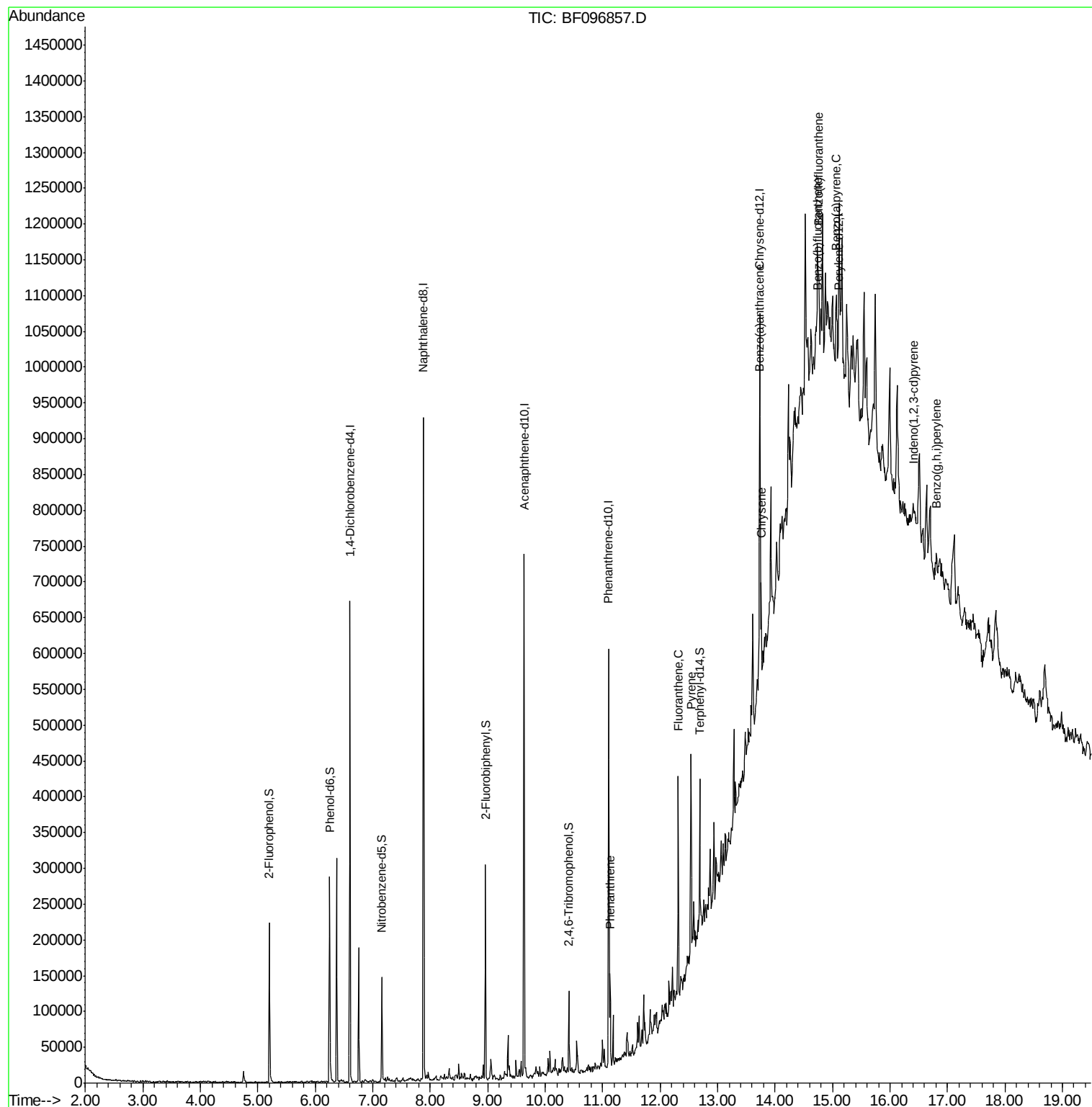
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
Data File : BF096857.D
Acq On : 18 Jul 2017 20:05
Operator : SJ/JU
Sample : I4245-13 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

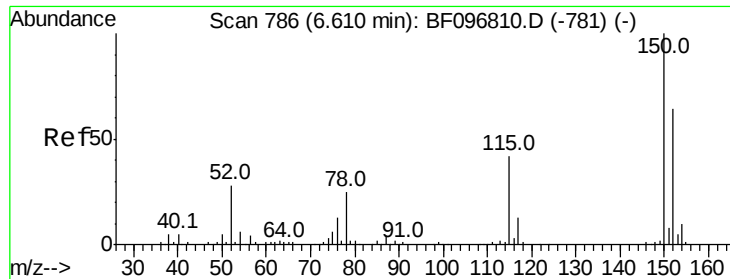
Instrument :
BNA_F
ClientSampleId :
PL-01-071717-E

Manual Integrations
APPROVED

mohammad
7/19/2017 2:31:45 PM

Quant Time: Jul 19 03:13:49 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 18 13:33:22 2017
Response via : Initial Calibration





#1

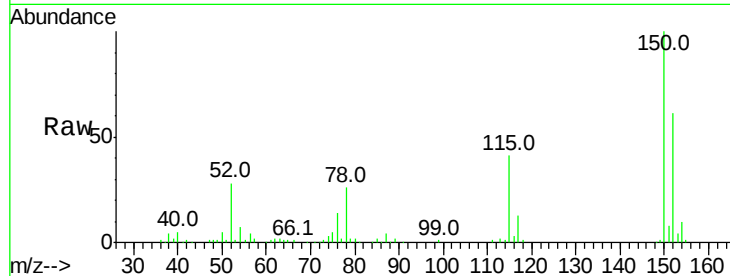
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF096857.D
Acq: 18 Jul 2017 20:05

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-E

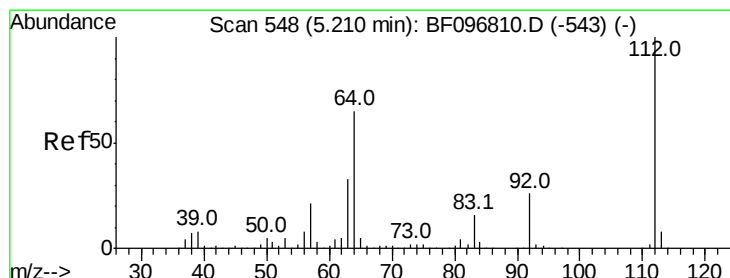
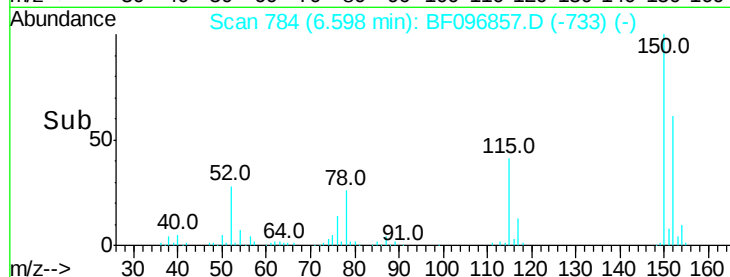
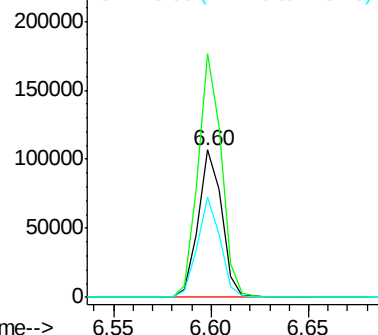
Tot Ion	Ratio	Lower	Upper
152	100		
150	165.2	126.2	189.2
115	67.6	52.2	78.2

Manual Integrations
APPROVED

mohammad
7/19/2017 2:31:45 PM



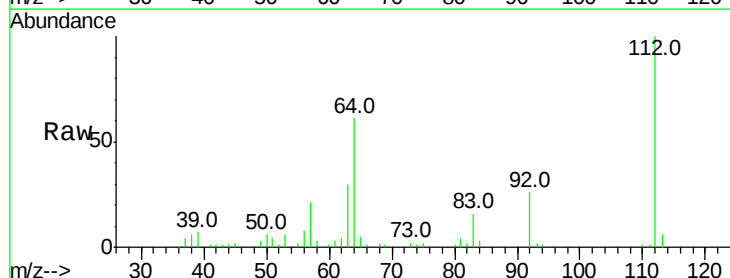
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



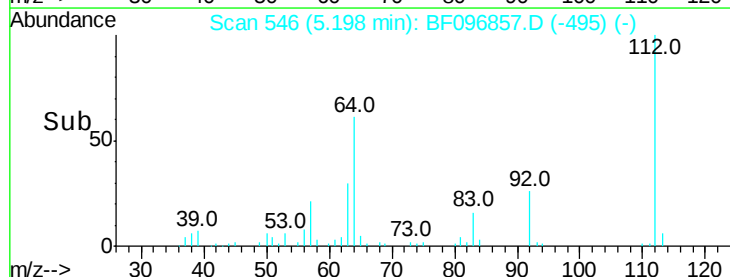
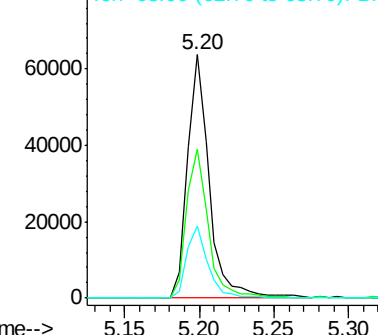
#5

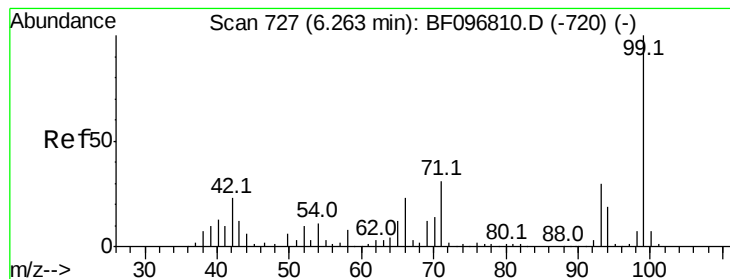
2-Fluorophenol
Concen: 10.902 ng
RT: 5.20 min Scan# 546
Delta R.T. -0.00 min
Lab File: BF096857.D
Acq: 18 Jul 2017 20:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	46.0	69.0
63	29.5	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: 12.471 ng

RT: 6.25 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

Instrument :

BNA_F

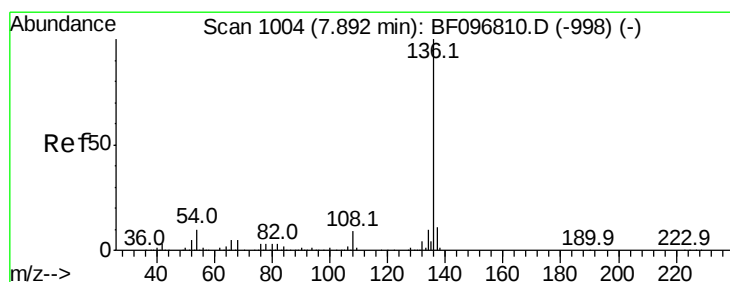
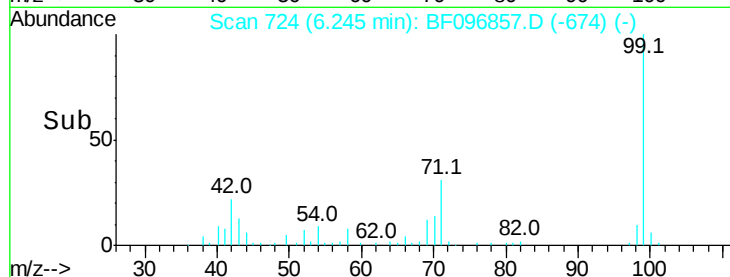
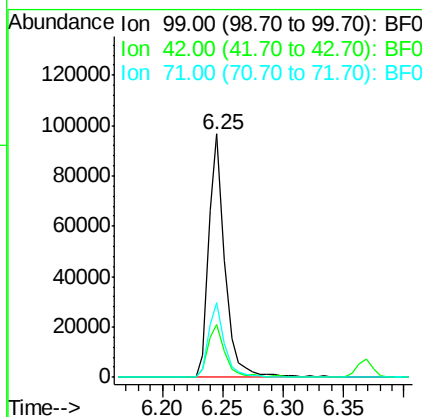
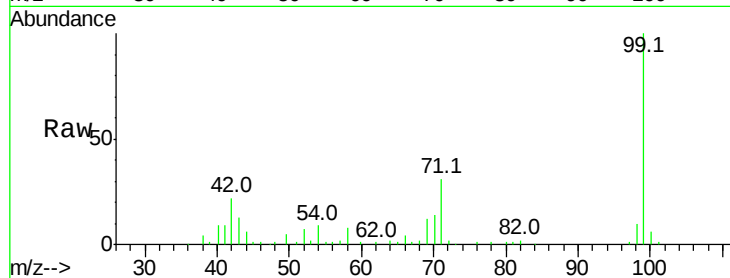
ClientSampleId :

PL-01-071717-E

Tot Ion:	99	Resp:	88994
Ion Ratio	Lower	Upper	
99	100		
42	21.9	13.5	20.3#
71	30.9	24.5	36.7

Manual Integrations
APPROVED

mohammad
7/19/2017 2:31:45 PM



#21

Naphthalene-d8

Concen: 20.000 ng

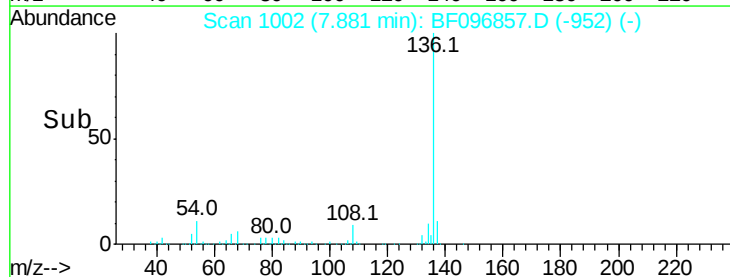
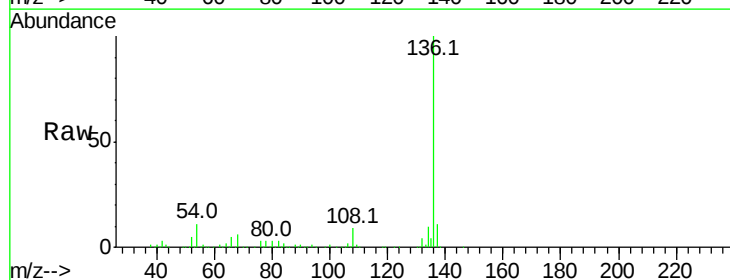
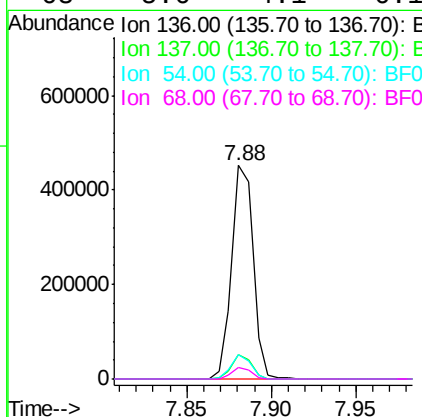
RT: 7.88 min Scan# 1002

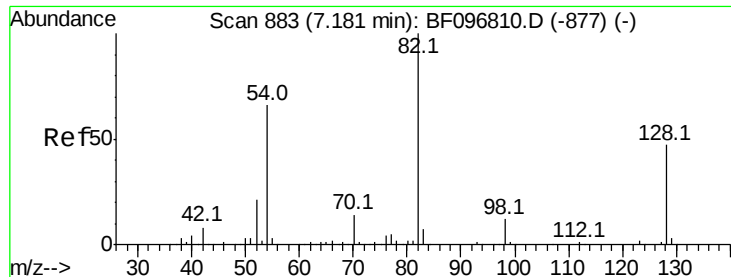
Delta R.T. -0.01 min

Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

Tgt Ion:	136	Resp:	400043
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	11.5	4.9	7.3#
68	5.6	4.1	6.1





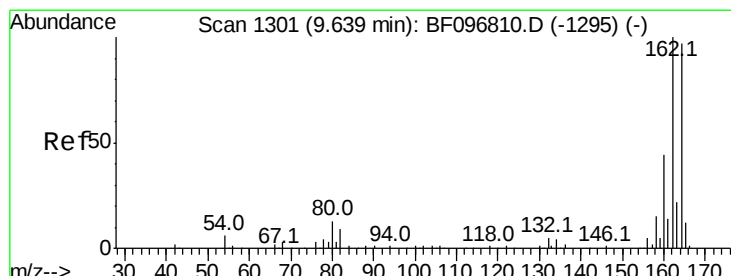
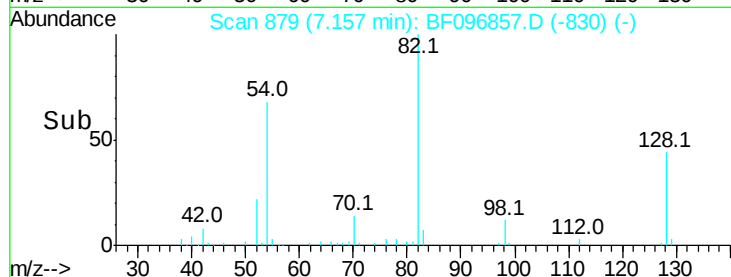
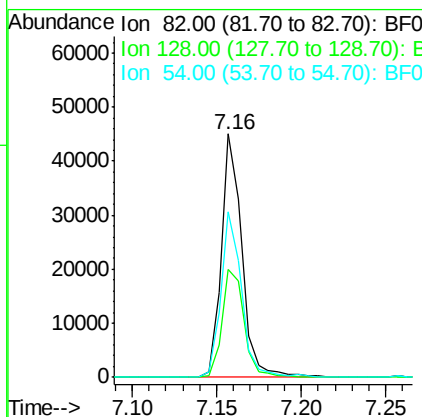
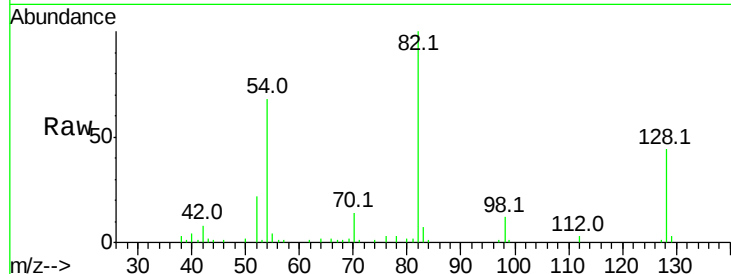
#23
Nitrobenzene-d5
Concen: 5.971 ng
RT: 7.16 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF096857.D
Acq: 18 Jul 2017 20:05

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-E

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.0	51.0
54	67.9	42.2	63.2

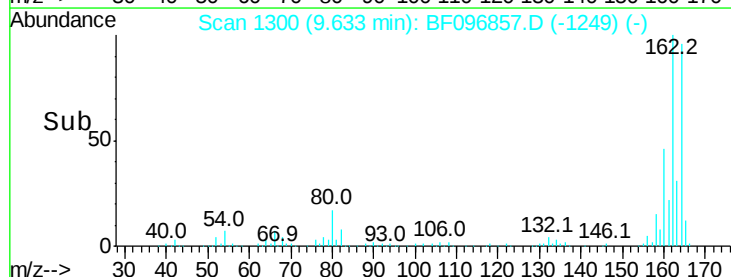
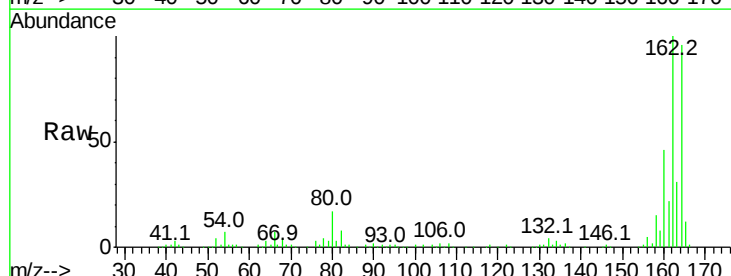
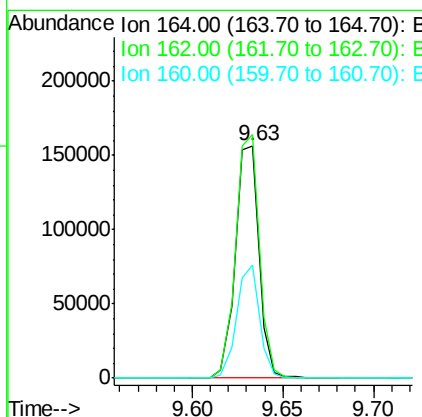
Manual Integrations
APPROVED

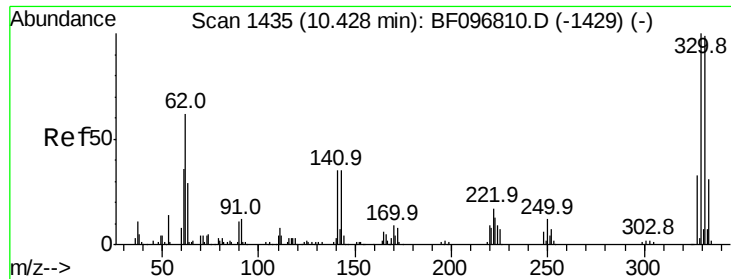
mohammad
7/19/2017 2:31:45 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.63 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BF096857.D
Acq: 18 Jul 2017 20:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	82.6	123.8
160	48.5	36.2	54.2





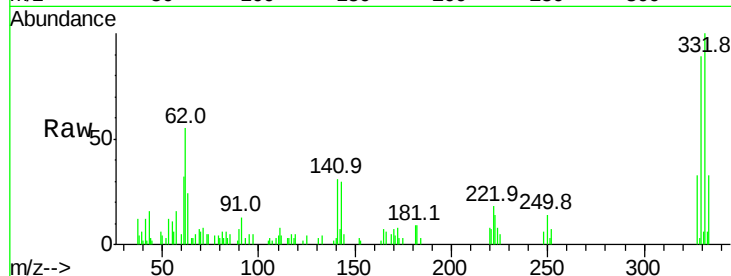
#41
 2,4,6-Tribromophenol
 Concen: 9.305 ng
 RT: 10.42 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF096857.D
 Acq: 18 Jul 2017 20:05

Instrument :
 BNA_F
 ClientSampled :
 PL-01-071717-E

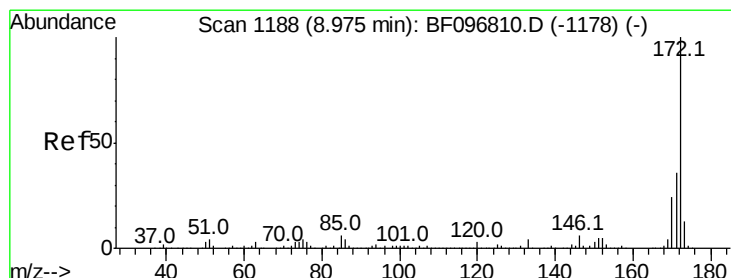
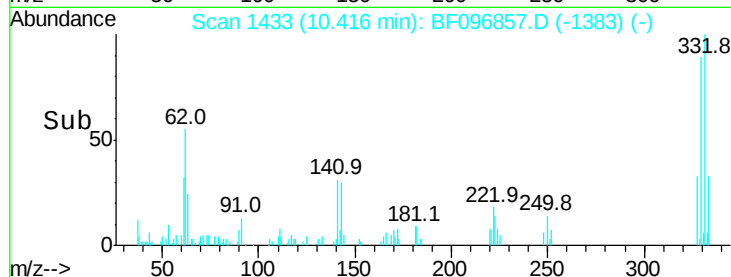
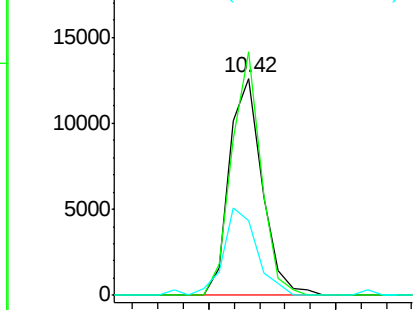
Tot Ion	Ratio	Lower	Upper
330	100		
332	99.8	76.6	115.0
141	42.2	31.4	47.2

Manual Integrations
 APPROVED

mohammad
 7/19/2017 2:31:45 PM



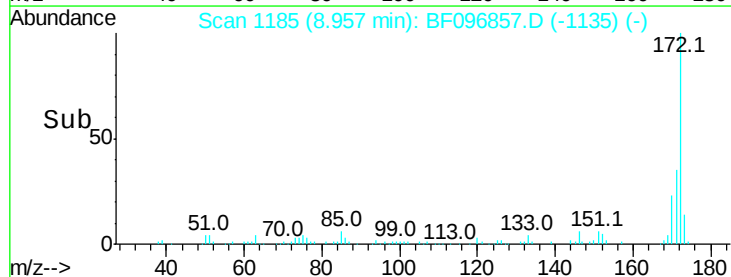
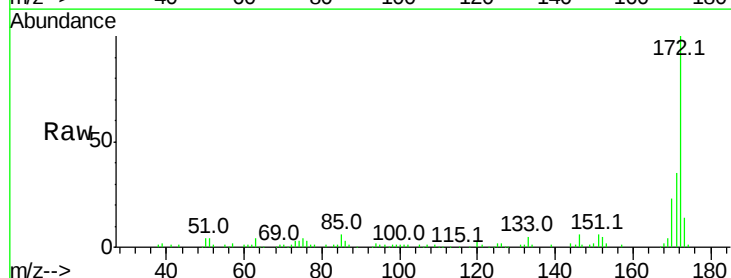
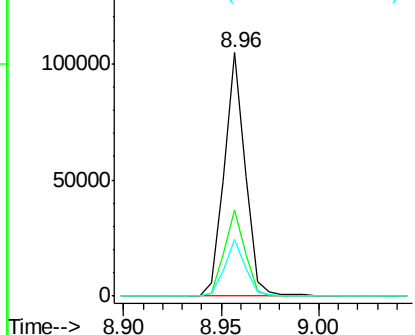
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

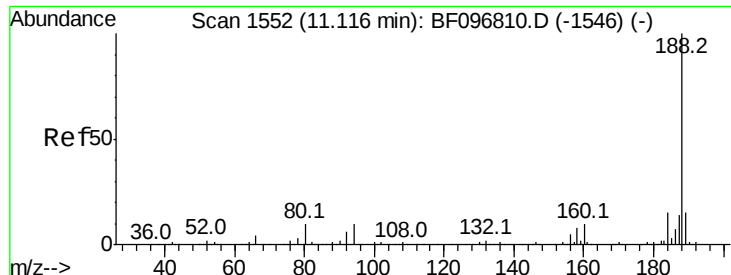


#44
 2-Fluorobiphenyl
 Concen: 8.642 ng
 RT: 8.96 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF096857.D
 Acq: 18 Jul 2017 20:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	23.3	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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.10 min Scan# 1550

Delta R.T. -0.00 min

Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

Instrument :

BNA_F

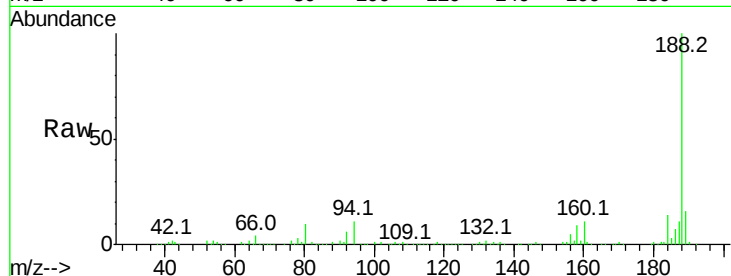
ClientSampleId :

PL-01-071717-E

Tot Ion:	188	Resp:	194918
Ion Ratio	Lower	Upper	
188	100		
94	11.4	9.4	14.2
80	10.2	10.2	15.2

Manual Integrations
APPROVED

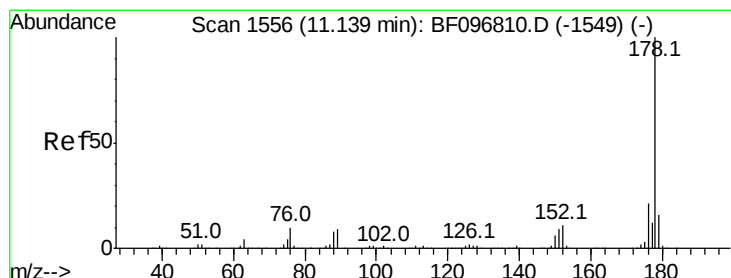
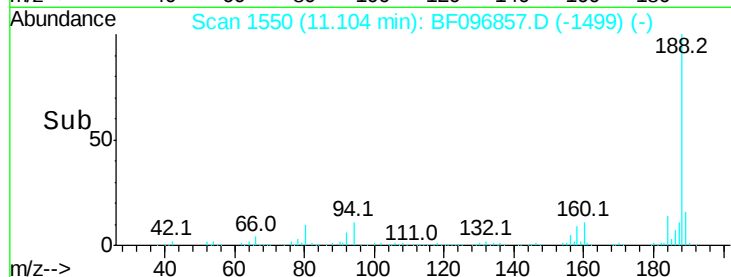
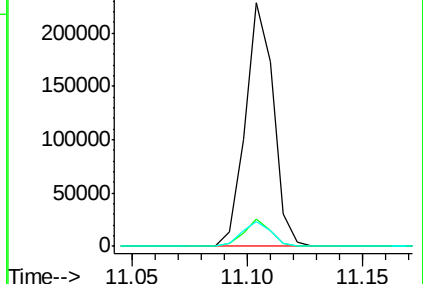
mohammad
7/19/2017 2:31:45 PM



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: 4.063 ng

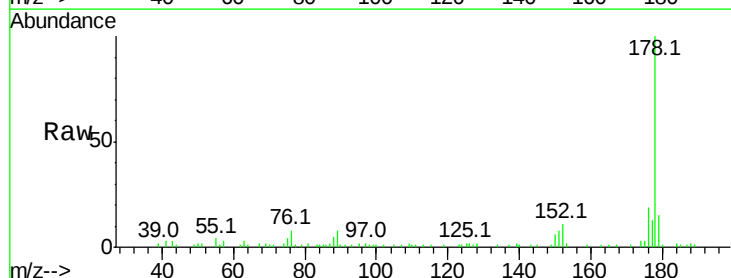
RT: 11.13 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

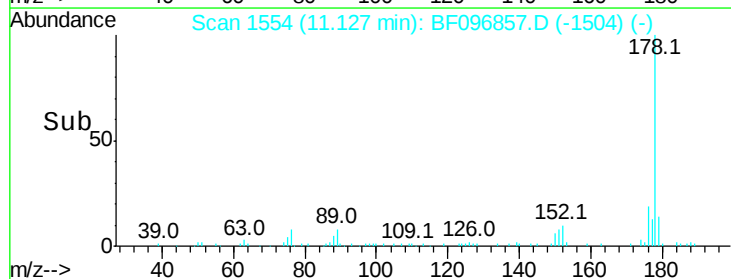
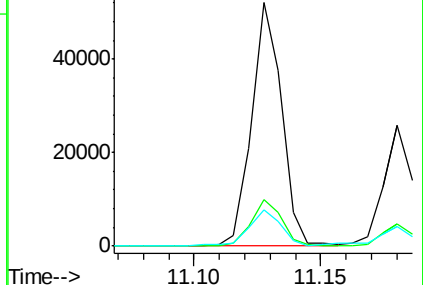
Tgt Ion:	178	Resp:	43059
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.2	24.4
179	15.1	12.6	19.0

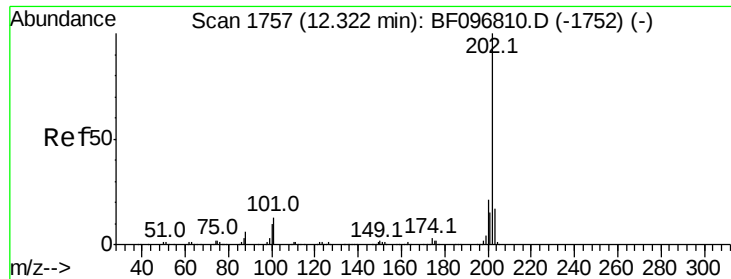


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 11.914 ng

RT: 12.31 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

Instrument :

BNA_F

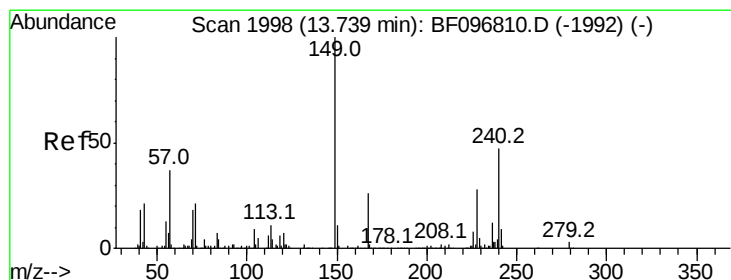
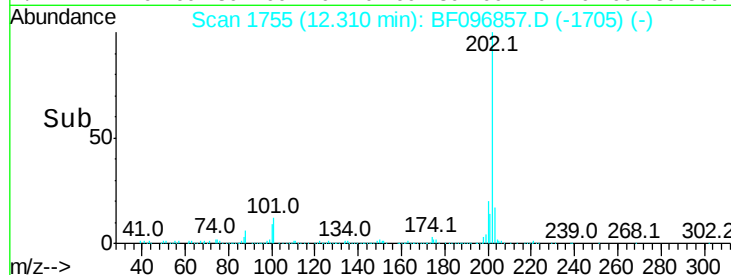
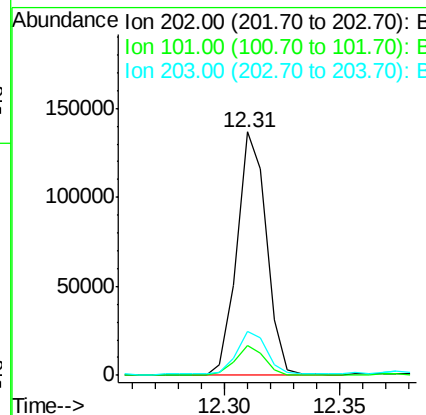
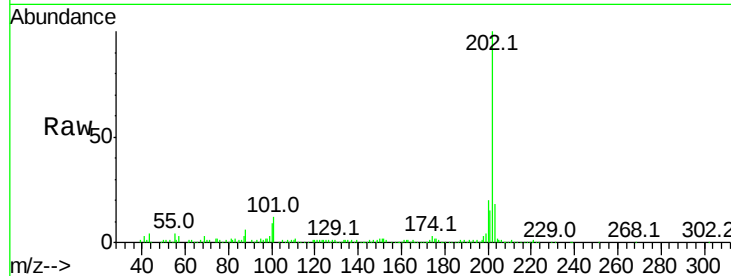
ClientSampleId :

PL-01-071717-E

Tot Ion:	202	Resp:	120857
Ion Ratio		Lower	Upper
202	100		
101	12.2	0.0	33.2
203	17.8	0.0	38.1

Manual Integrations
APPROVED

mohammad
7/19/2017 2:31:45 PM



#75

Chrysene-d12

Concen: 20.000 ng

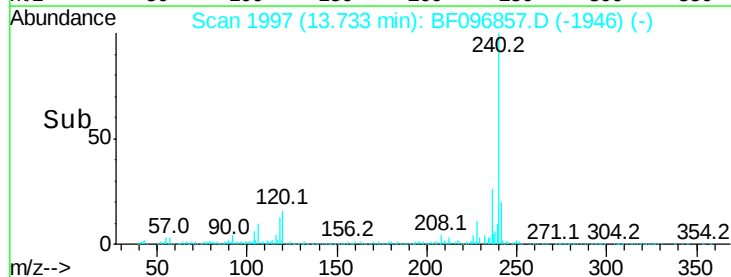
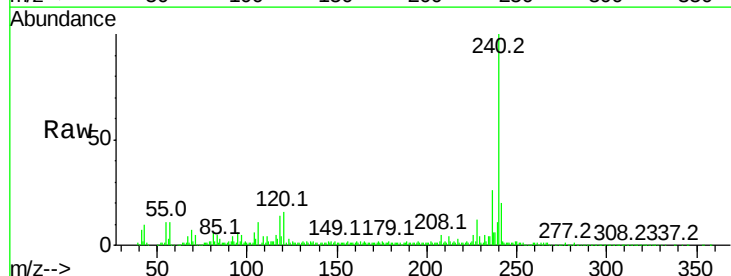
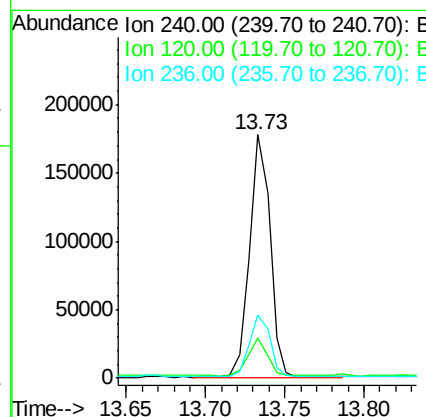
RT: 13.73 min Scan# 1997

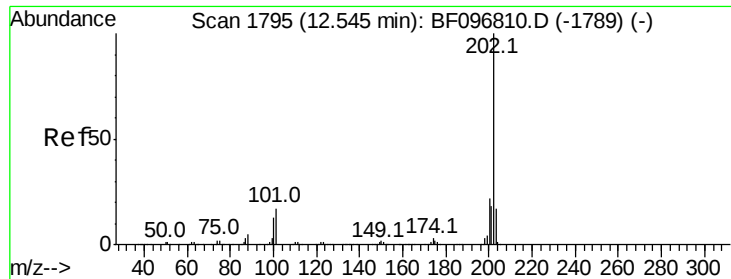
Delta R.T. -0.00 min

Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

Tgt Ion:	240	Resp:	159761
Ion Ratio		Lower	Upper
240	100		
120	16.4	5.8	8.8#
236	26.1	20.5	30.7





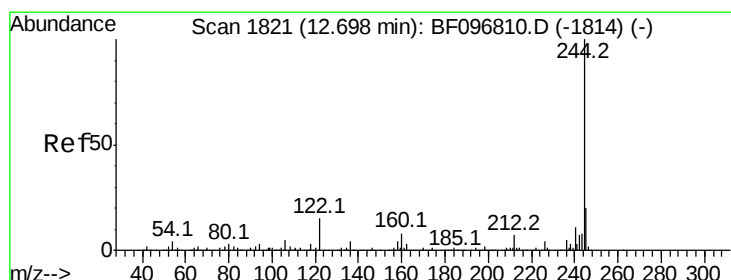
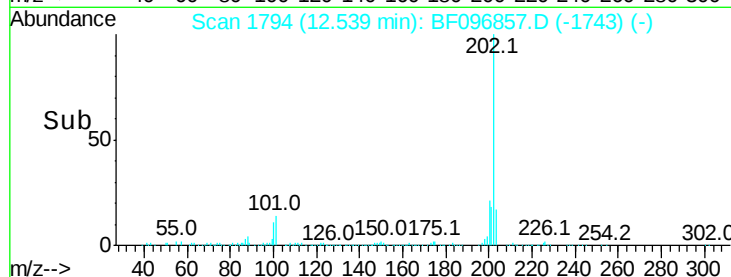
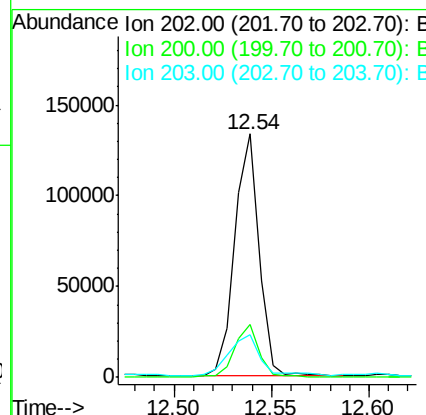
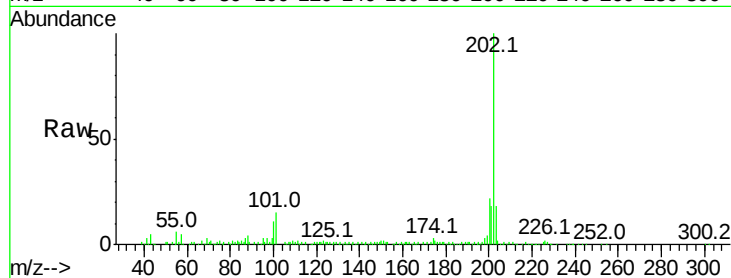
#77
Pvrene
Concen: 7.939 ng
RT: 12.54 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BF096857.D
Acq: 18 Jul 2017 20:05

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-E

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.6	17.6	26.4
203	17.7	14.4	21.6

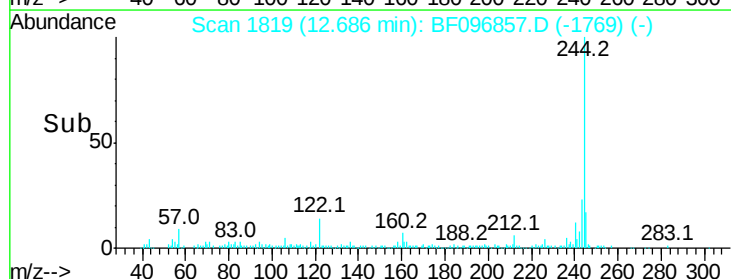
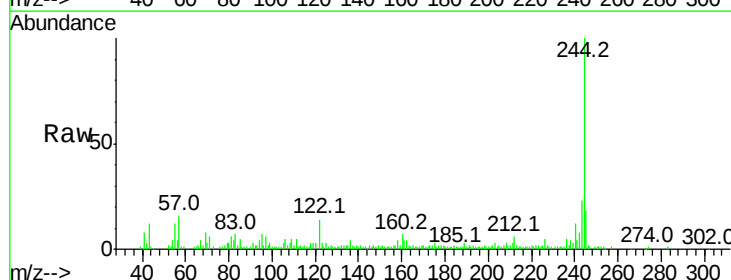
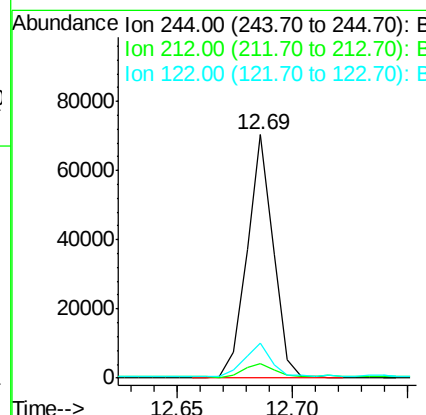
Manual Integrations
APPROVED

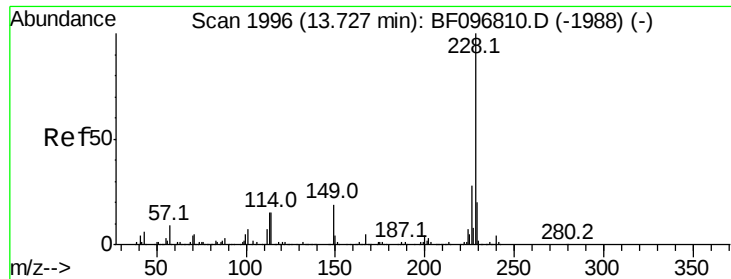
mohammad
7/19/2017 2:31:45 PM



#78
Terphenyl-d14
Concen: 6.022 ng
RT: 12.69 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BF096857.D
Acq: 18 Jul 2017 20:05

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.1	6.0	9.0
122	14.3	10.3	15.5





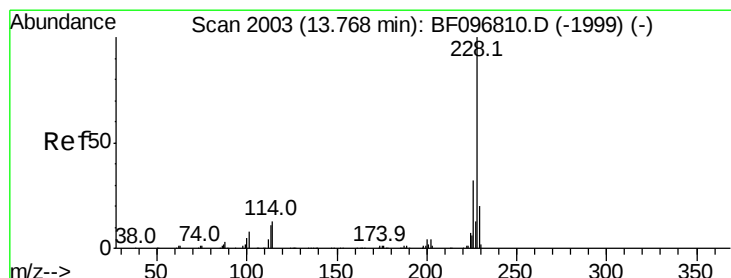
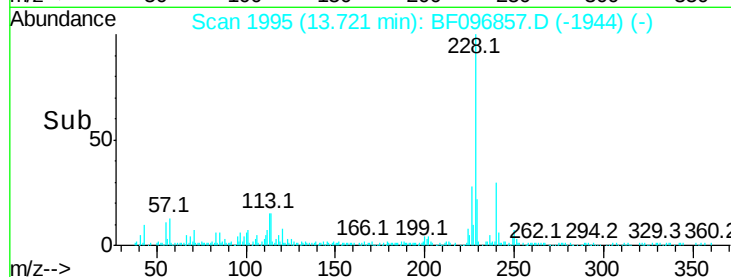
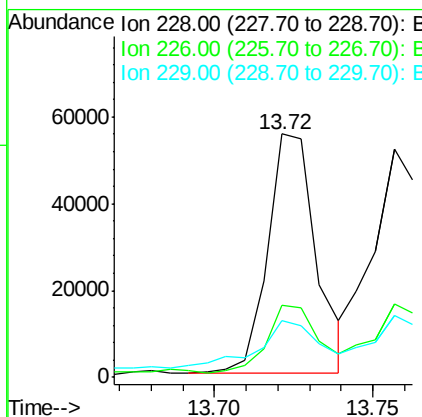
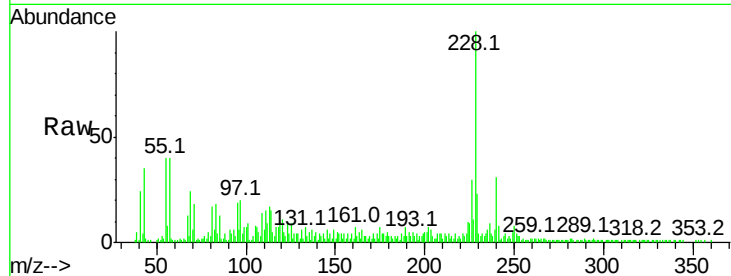
#80
Benzo(a)anthracene
Concen: 5.918 ng
RT: 13.72 min Scan# 1995
Delta R.T. -0.00 min
Lab File: BF096857.D
Acq: 18 Jul 2017 20:05

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-E

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	23.4	16.3	24.5

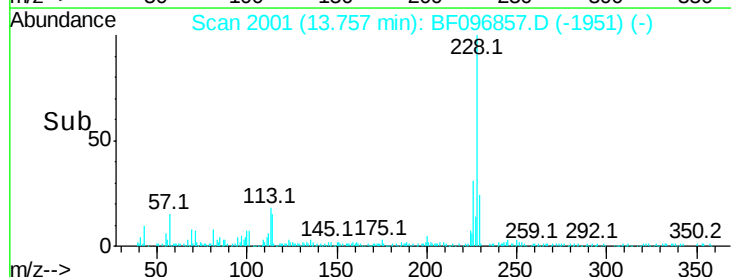
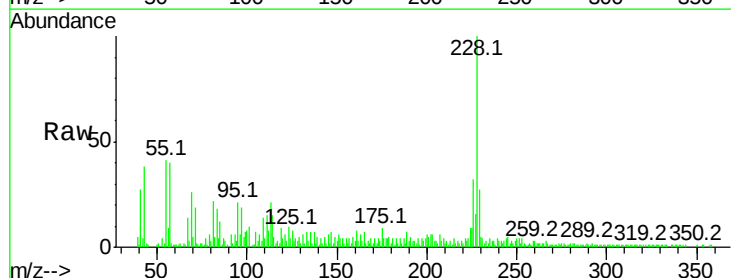
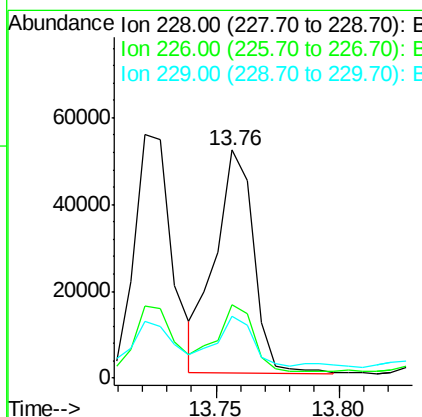
Manual Integrations
APPROVED

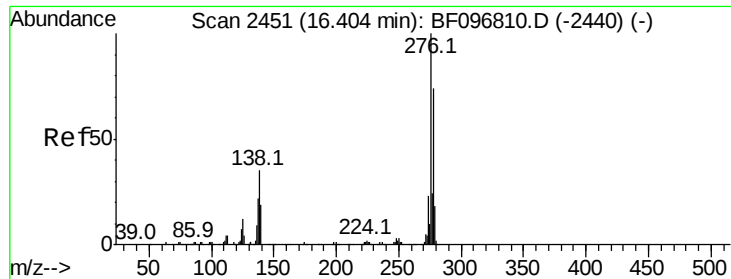
mohammad
7/19/2017 2:31:45 PM



#82
Chrysene
Concen: 5.664 ng m
RT: 13.76 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF096857.D
Acq: 18 Jul 2017 20:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.9	37.3
229	27.1	15.8	23.6





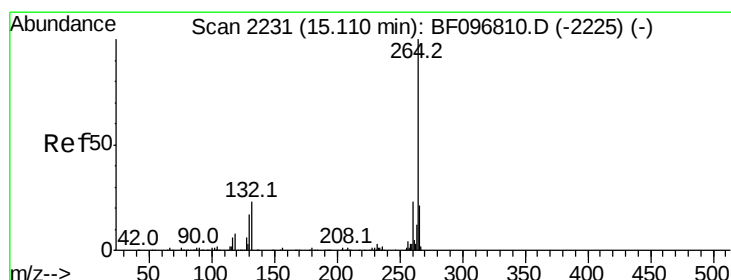
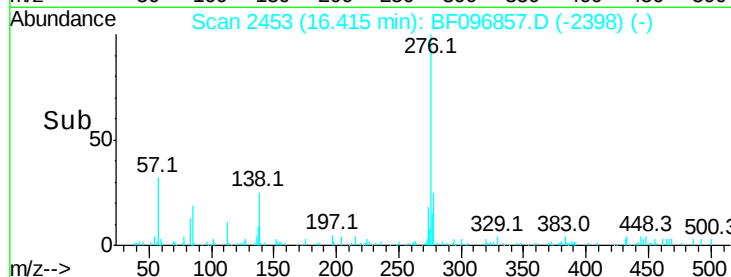
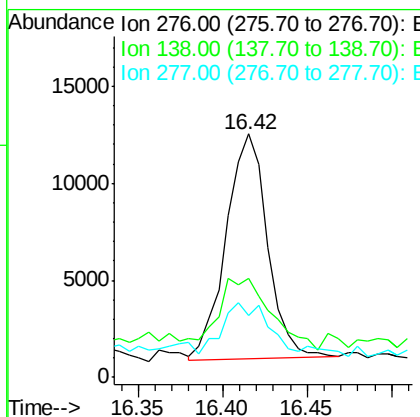
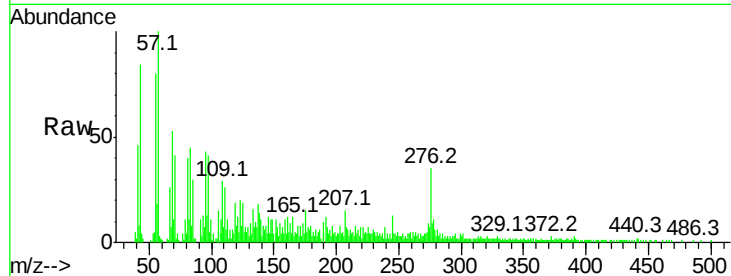
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.431 ng
RT: 16.42 min Scan# 2453
Delta R.T. 0.02 min
Lab File: BF096857.D
Acq: 18 Jul 2017 20:05

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-E

Tot Ion	Ratio	Lower	Upper
276	100		
138	39.1	27.8	41.6
277	23.7	20.2	30.4

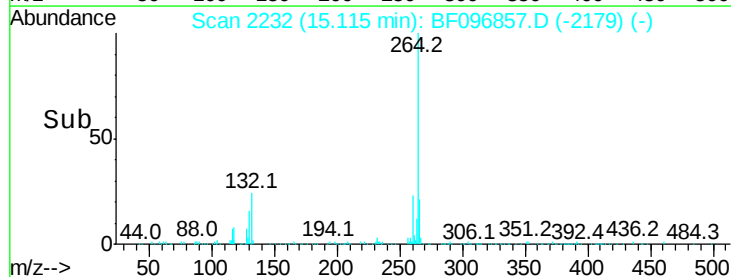
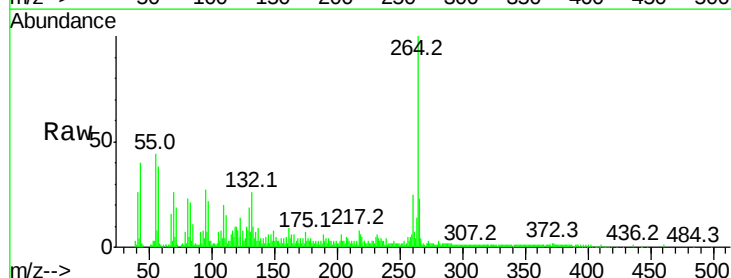
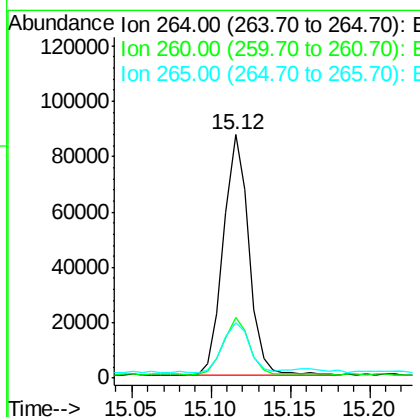
Manual Integrations
APPROVED

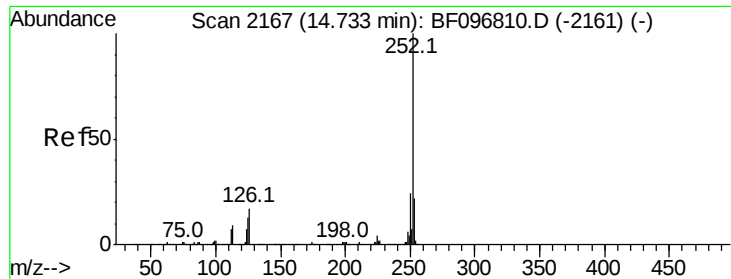
mohammad
7/19/2017 2:31:45 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.12 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF096857.D
Acq: 18 Jul 2017 20:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	22.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 8.850 ng m

RT: 14.74 min Scan# 2168

Delta R.T. 0.01 min

Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

Instrument :

BNA_F

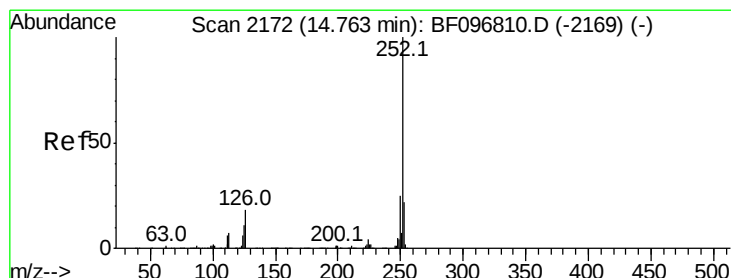
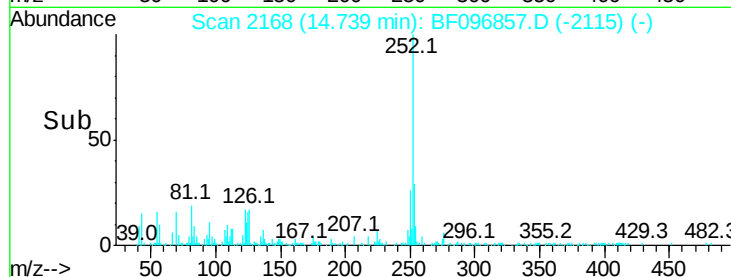
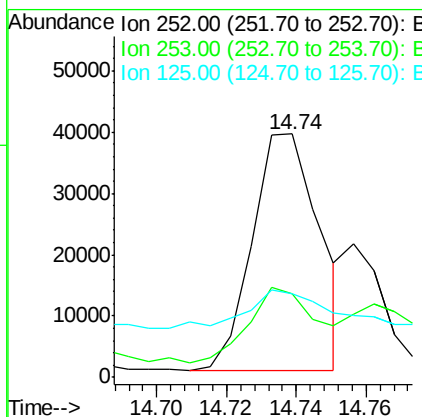
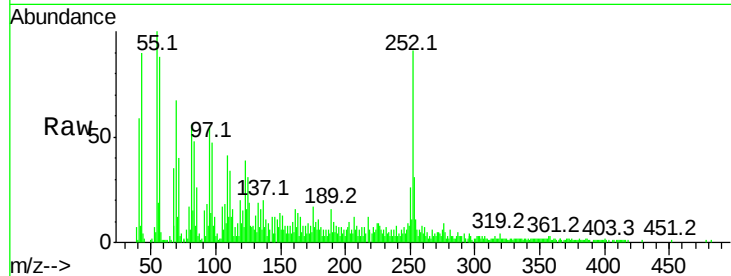
ClientSampleId :

PL-01-071717-E

Tot Ion:	252	Resp:	52062
Ion Ratio	Lower	Upper	
252	100		
253	34.3	18.1	27.1#
125	34.5	9.8	14.8#

Manual Integrations
APPROVED

mohammad
7/19/2017 2:31:45 PM



#88

Benzo(k)fluoranthene

Concen: 3.108 ng m

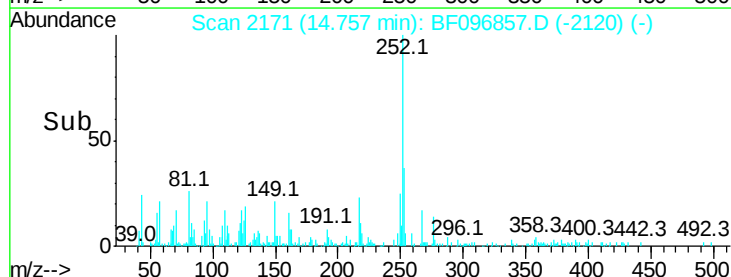
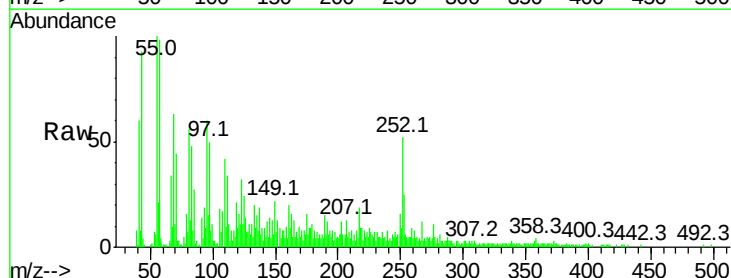
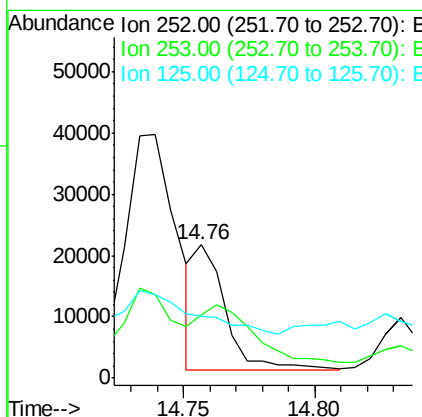
RT: 14.76 min Scan# 2171

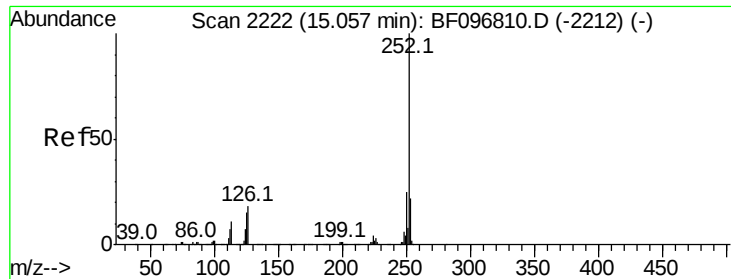
Delta R.T. -0.00 min

Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

Tgt Ion:	252	Resp:	17317
Ion Ratio	Lower	Upper	
252	100		
253	47.5	18.4	27.6#
125	46.1	13.1	19.7#





#89

Benzo(a)pyrene

Concen: 6.853 ng

RT: 15.06 min Scan# 2222

Delta R.T. 0.01 min

Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

Instrument :

BNA_F

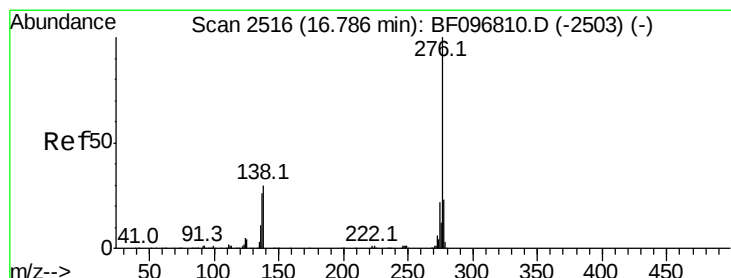
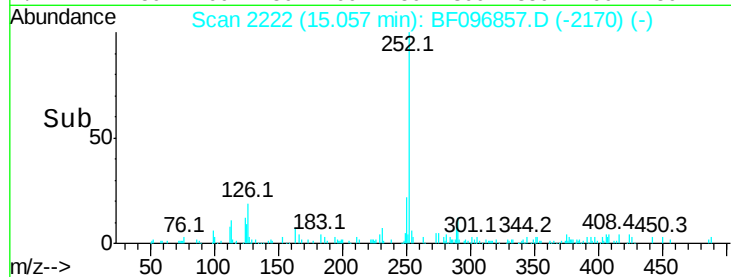
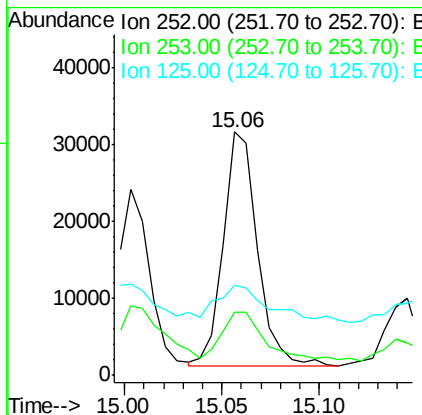
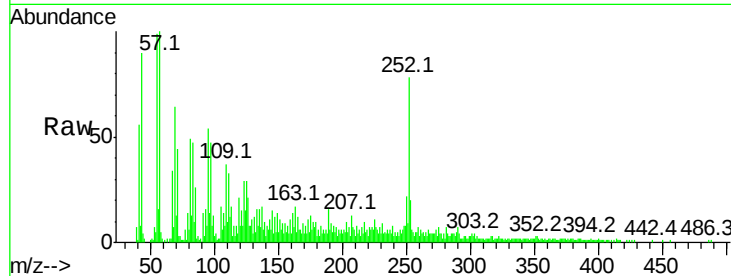
ClientSampleId :

PL-01-071717-E

Tot Ion:	252	Resp:	36975
Ion Ratio	Lower	Upper	
252	100		
253	26.2	17.5	26.3
125	37.1	11.0	16.4#

Manual Integrations
APPROVED

mohammad
7/19/2017 2:31:45 PM



#91

Benzo(g,h,i)perylene

Concen: 3.934 ng

RT: 16.80 min Scan# 2518

Delta R.T. 0.02 min

Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

Tgt Ion:	276	Resp:	20914
Ion Ratio	Lower	Upper	
276	100		
277	30.8	18.6	28.0#
138	38.2	25.4	38.0#

