

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
 Data File : BF096856.D
 Acq On : 18 Jul 2017 19:37
 Operator : SJ/JU
 Sample : I4245-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 7/19/2017 2:31:42 PM

Quant Time: Jul 19 03:08:36 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	109061	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	412524	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	158537	20.00	ng	0.00
63) Phenanthrene-d10	11.10	188	240203	20.00	ng	0.00
75) Chrysene-d12	13.73	240	188733	20.00	ng	0.00
86) Perylene-d12	15.12	264	129229	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	291355	40.17	ng	0.00
7) Phenol-d6	6.25	99	345876	39.74	ng	0.00
23) Nitrobenzene-d5	7.16	82	192236	28.86	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	52314	38.66	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	301670	30.06	ng	0.00
78) Terphenyl-d14	12.69	244	205674	18.90	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.35	163	75960	6.363	ng	Qvalue 100
70) Phenanthrene	11.13	178	134704	10.314	ng	97
71) Anthracene	11.18	178	33972	2.573	ng	100
74) Fluoranthene	12.31	202	181784	14.541	ng	99
77) Pyrene	12.53	202	169729	9.909	ng	98
80) Benzo(a)anthracene	13.72	228	70185	5.968	ng	97
82) Chrysene	13.76	228	65035m	5.618	ng	
85) Indeno(1,2,3-cd)pyrene	16.42	276	21313	5.241	ng	94
87) Benzo(b)fluoranthene	14.73	252	59106m	7.584	ng	
88) Benzo(k)fluoranthene	14.76	252	18511m	2.508	ng	
89) Benzo(a)pyrene	15.06	252	38900	5.442	ng	# 58
91) Benzo(a,h,i)perylene	16.80	276	23917	3.396	ng	# 79

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

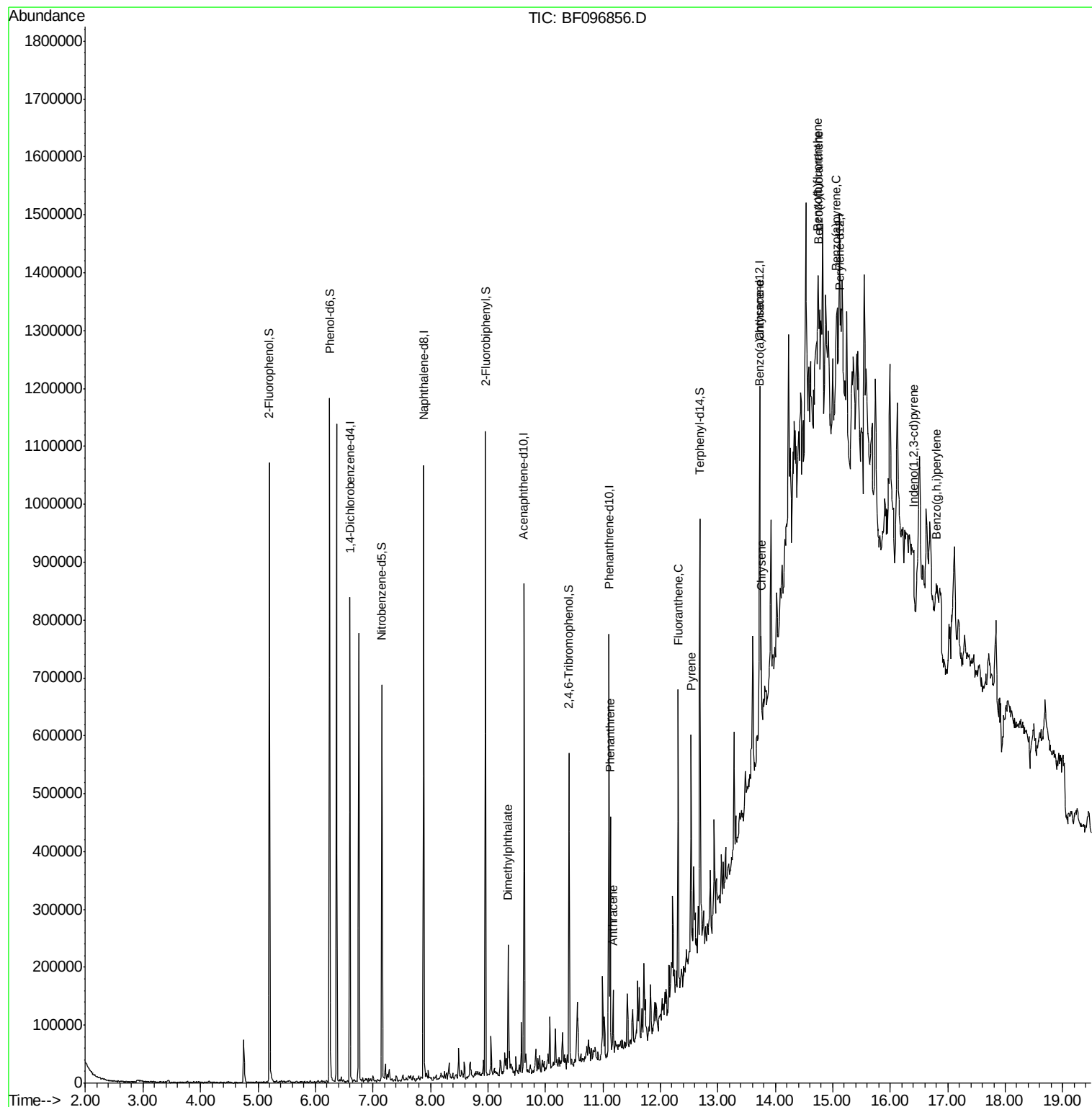
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
Data File : BF096856.D
Acq On : 18 Jul 2017 19:37
Operator : SJ/JU
Sample : I4245-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

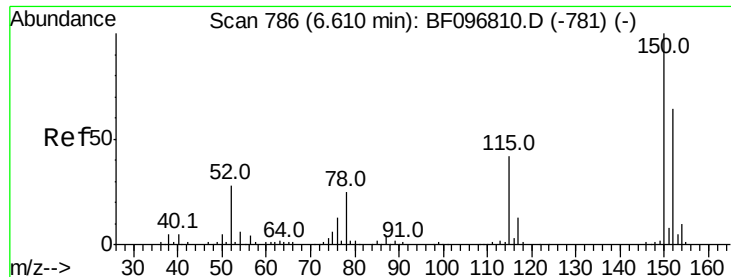
Instrument :
BNA_F
ClientSampleId :
PL-01-071717-A

Manual Integrations
APPROVED

mohammad
7/19/2017 2:31:42 PM

Quant Time: Jul 19 03:08:36 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

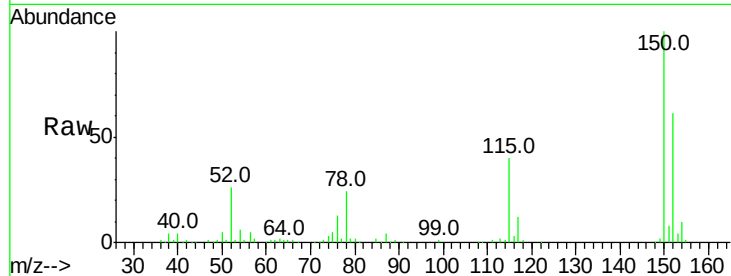
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 784
Delta R.T. 0.00 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.8	126.2	189.2
115	65.3	52.2	78.2

Manual Integrations
APPROVED

mohammad
7/19/2017 2:31:42 PM

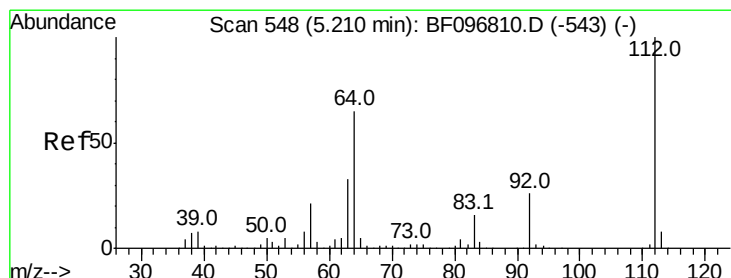
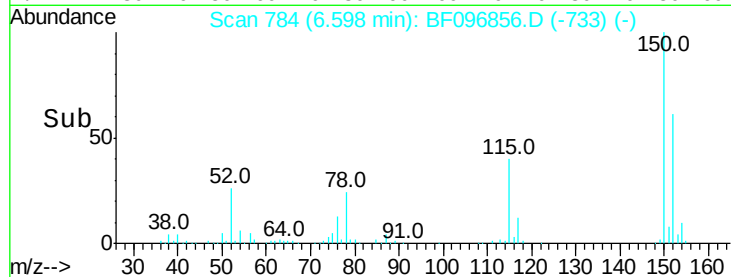
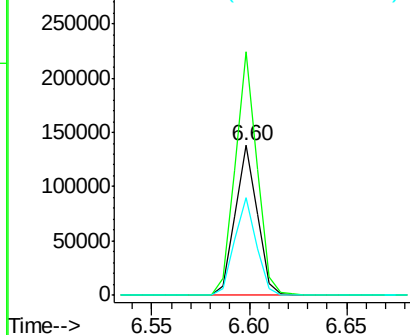


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

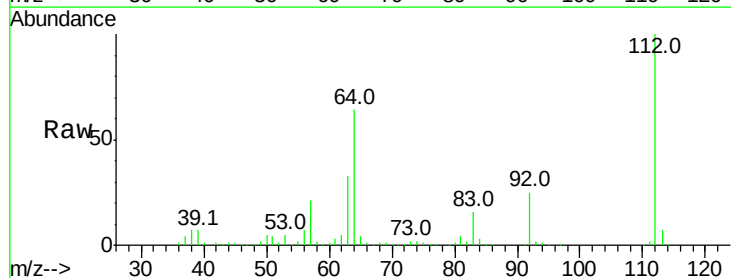
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 40.168 ng
RT: 5.20 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.8	46.0	69.0
63	32.7	23.4	35.0

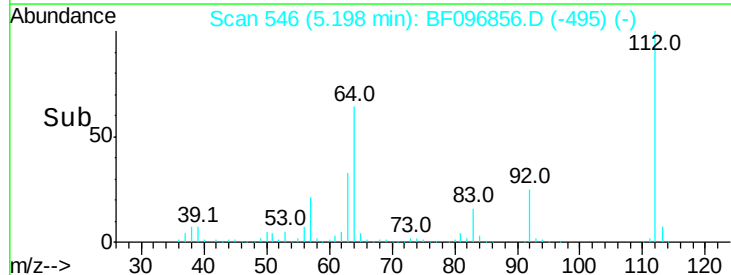
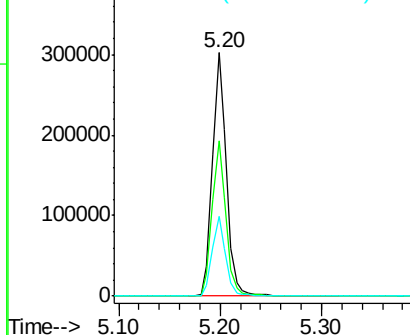


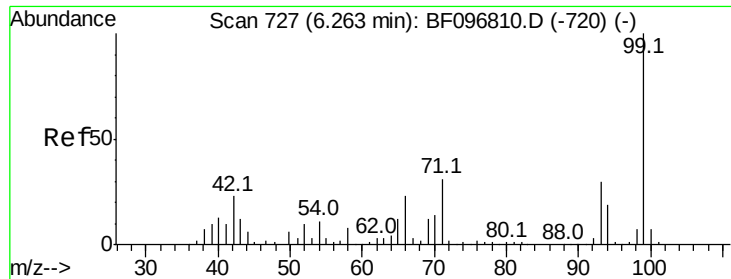
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.736 ng

RT: 6.25 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

Instrument :

BNA_F

ClientSampleId :

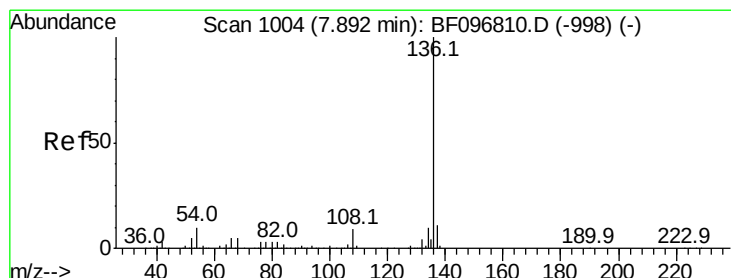
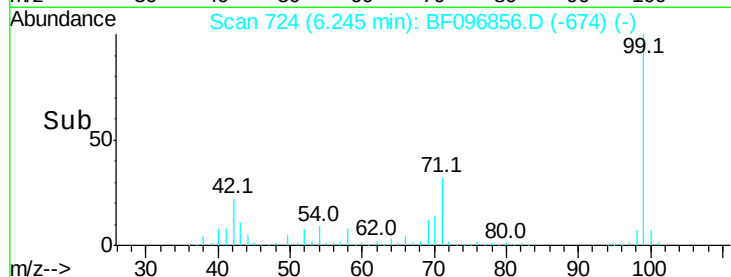
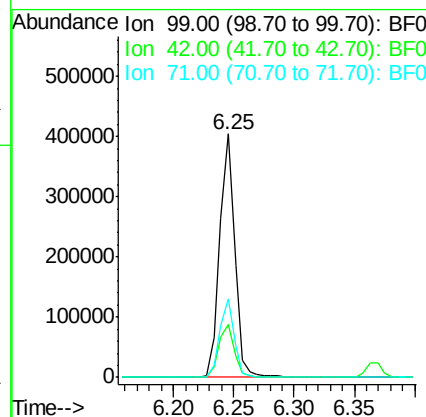
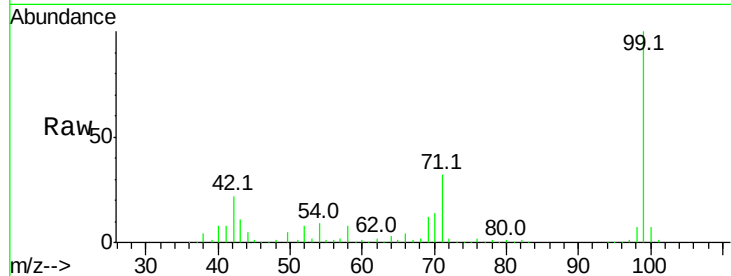
PL-01-071717-A

Tot Ion: 99 Resp: 345876

Ion	Ratio	Lower	Upper
99	100		
42	21.8	13.5	20.3#
71	32.4	24.5	36.7

Manual Integrations
APPROVED

mohammad
7/19/2017 2:31:42 PM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.88 min Scan# 1002

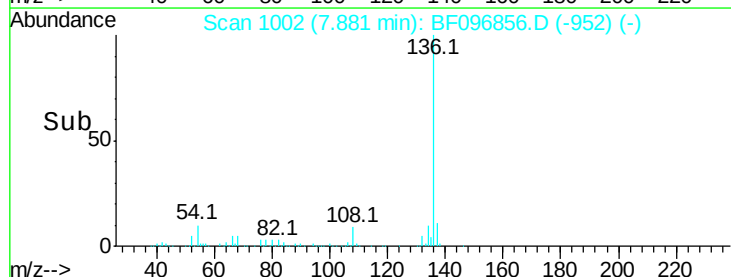
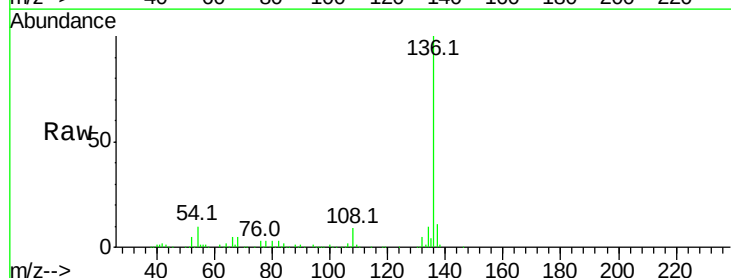
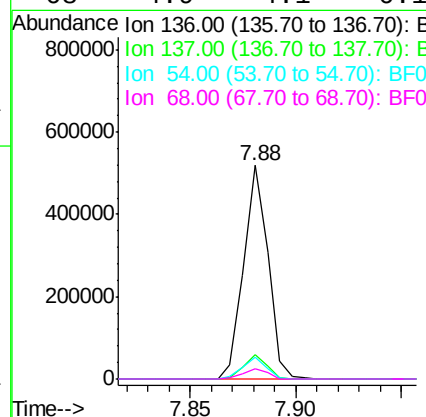
Delta R.T. -0.01 min

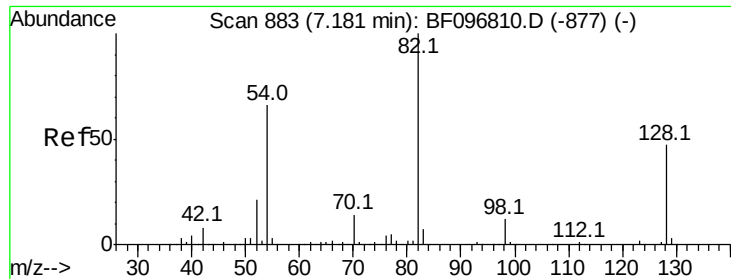
Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

Tgt Ion: 136 Resp: 412524

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	10.3	4.9	7.3#
68	4.9	4.1	6.1





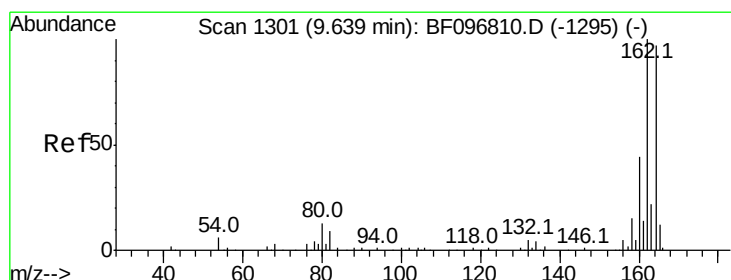
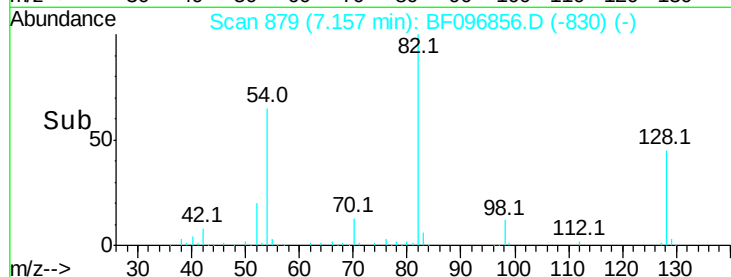
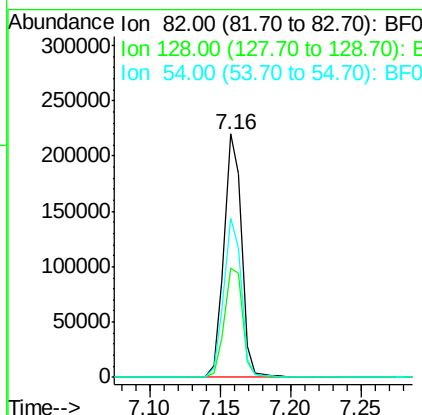
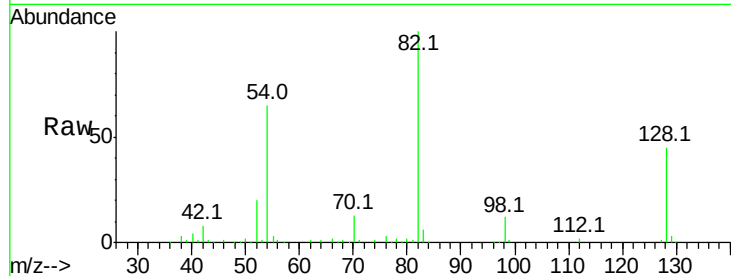
#23
Nitrobenzene-d5
Concen: 28.864 ng
RT: 7.16 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.9	34.0	51.0	
54	65.2	42.2	63.2	

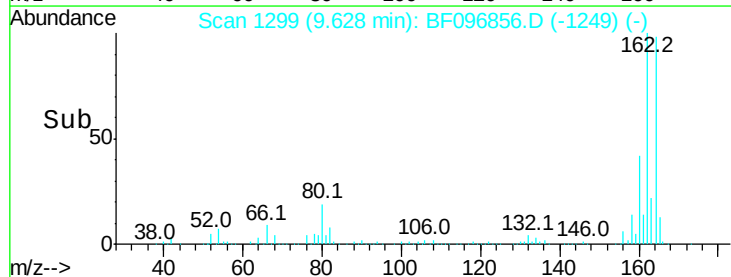
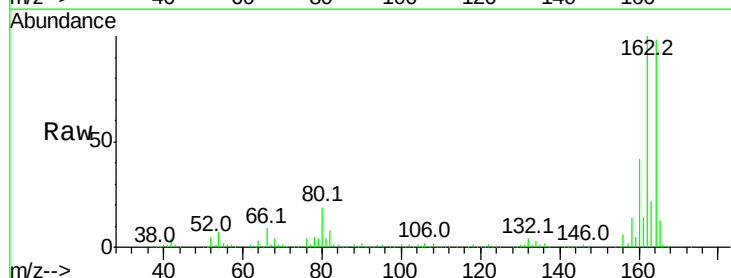
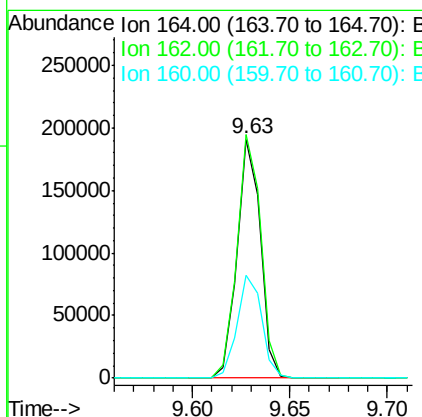
Manual Integrations
APPROVED

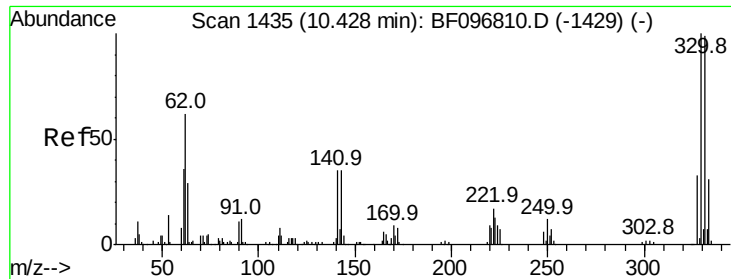
mohammad
7/19/2017 2:31:42 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.63 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.1	82.6	123.8	
160	43.1	36.2	54.2	





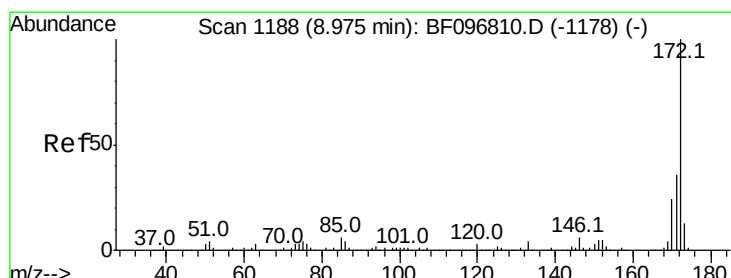
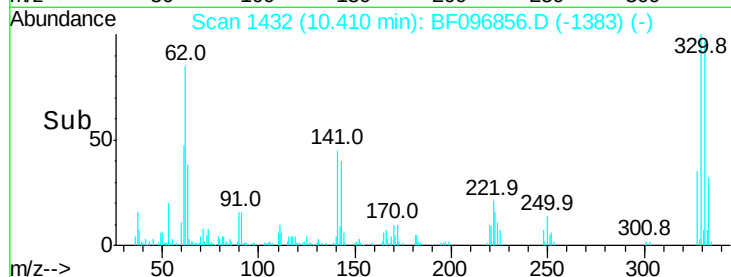
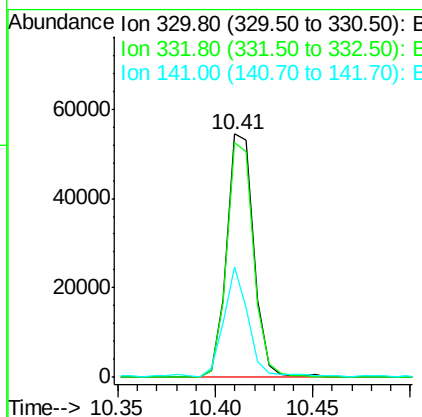
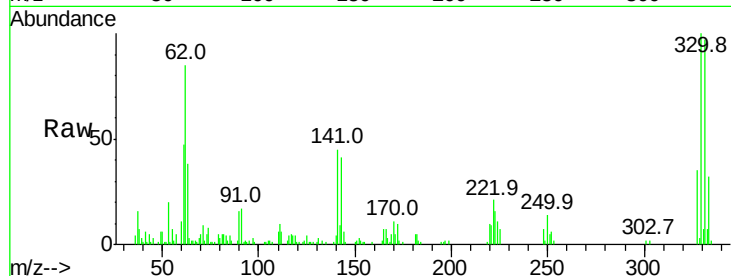
#41
 2,4,6-Tribromophenol
 Concen: 38.658 ng
 RT: 10.41 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF096856.D
 Acq: 18 Jul 2017 19:37

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	42.9	31.4	47.2

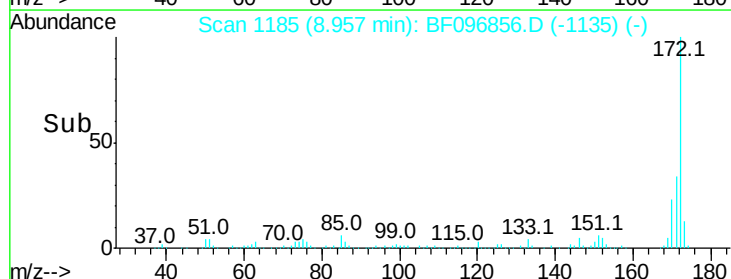
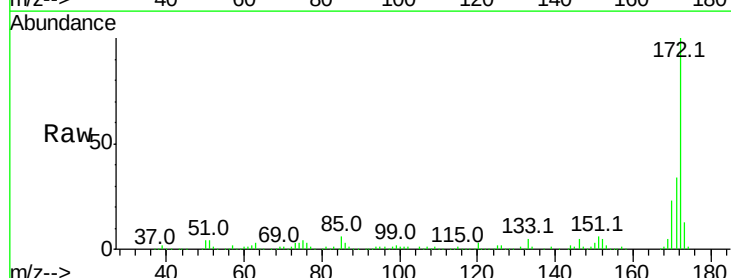
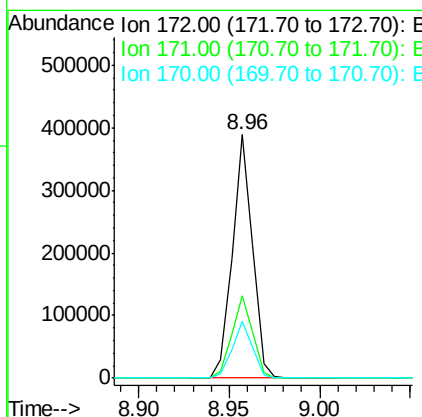
Manual Integrations
 APPROVED

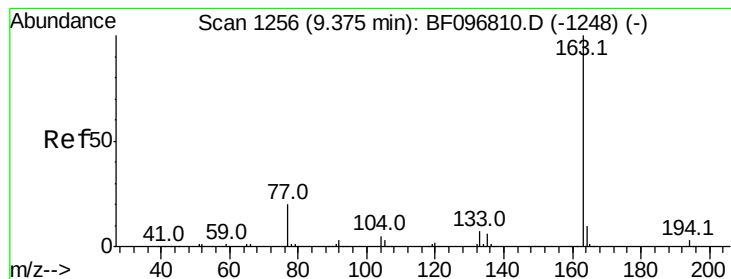
mohammad
 7/19/2017 2:31:42 PM



#44
 2-Fluorobiphenyl
 Concen: 30.063 ng
 RT: 8.96 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF096856.D
 Acq: 18 Jul 2017 19:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.6	44.4
170	23.4	19.8	29.8





#49

Dimethylphthalate

Concen: 6.363 ng

RT: 9.35 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

Instrument :

BNA_F

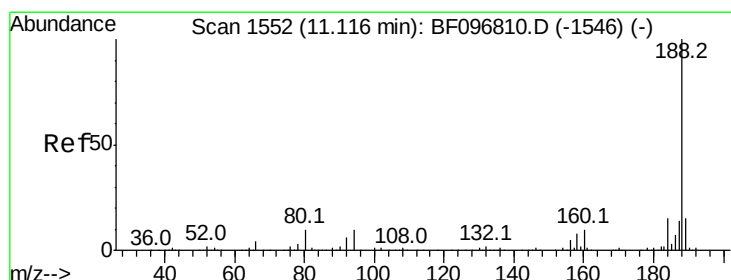
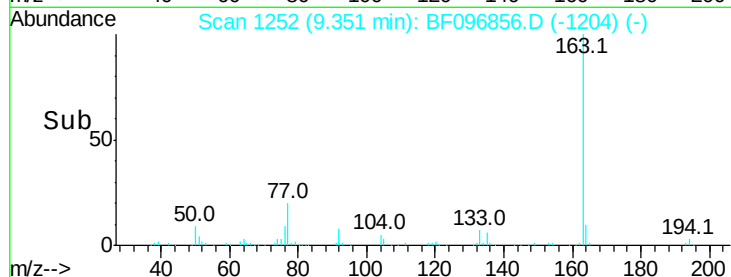
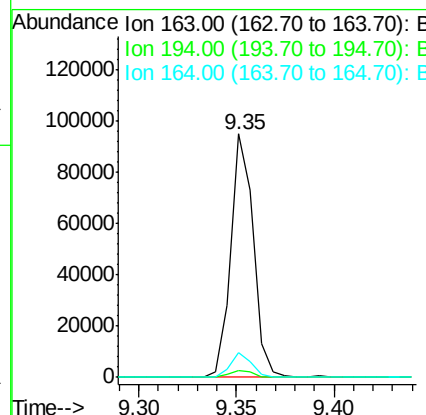
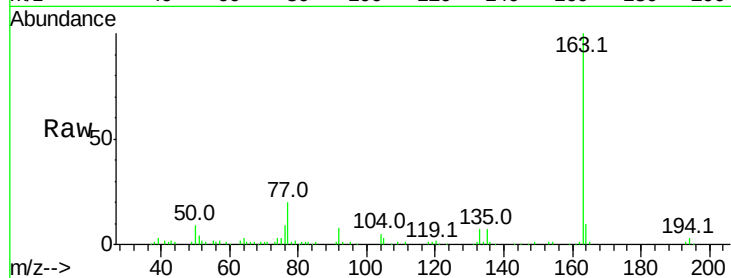
ClientSampleId :

PL-01-071717-A

Tot Ion:	163	Resp:	75960
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.6	4.0
164	10.4	8.4	12.6

Manual Integrations
APPROVED

mohammad
7/19/2017 2:31:42 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

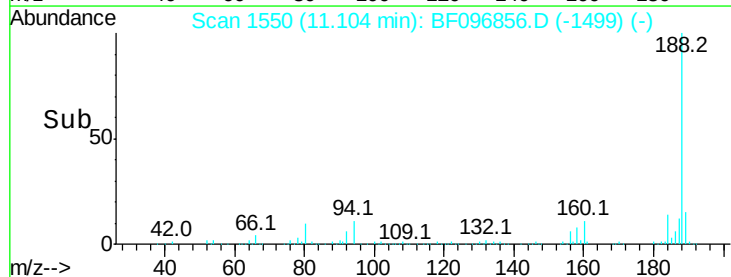
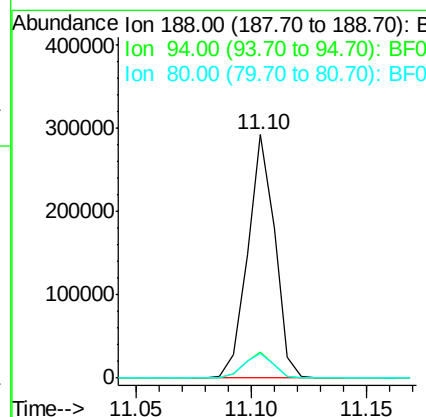
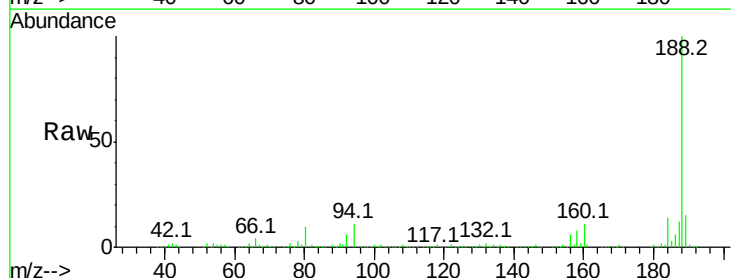
RT: 11.10 min Scan# 1550

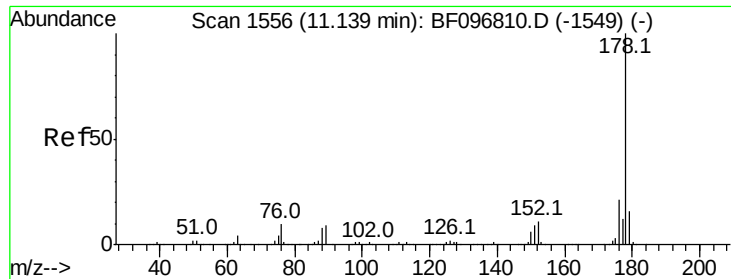
Delta R.T. 0.00 min

Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

Tgt Ion:	188	Resp:	240203
Ion Ratio	Lower	Upper	
188	100		
94	10.6	9.4	14.2
80	10.4	10.2	15.2





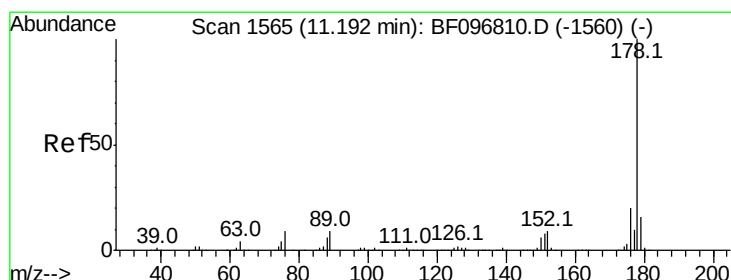
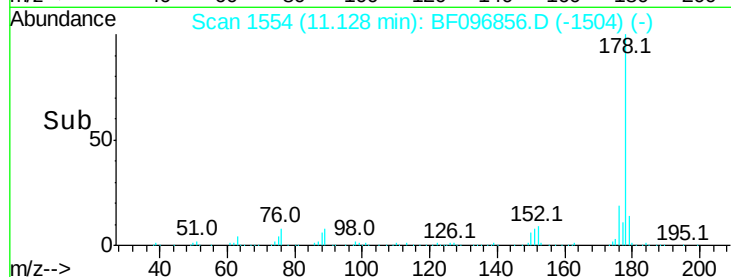
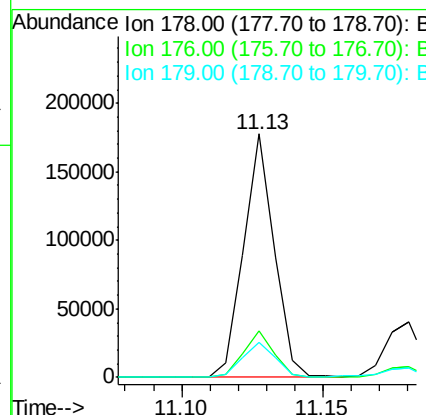
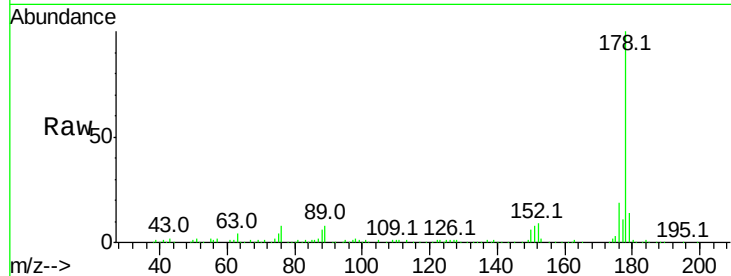
#70
Phenanthrene
Concen: 10.314 ng
RT: 11.13 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.4
179	14.4	12.6	19.0

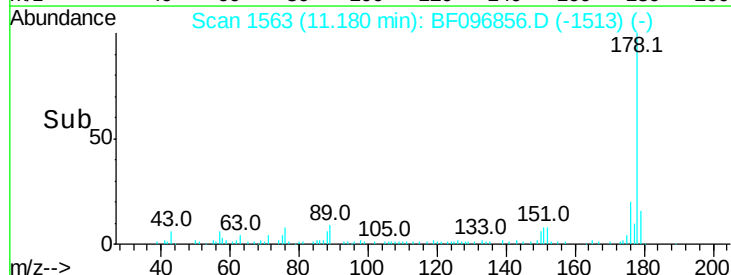
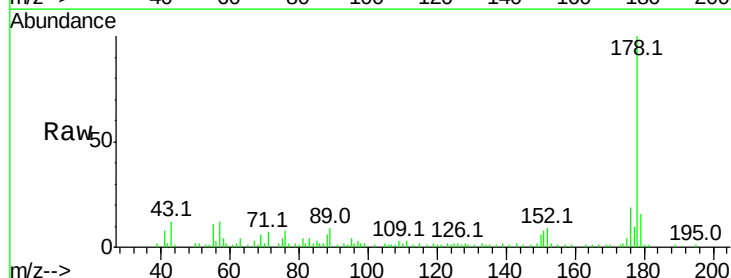
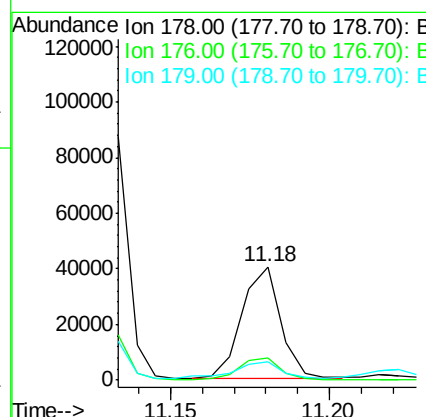
Manual Integrations
APPROVED

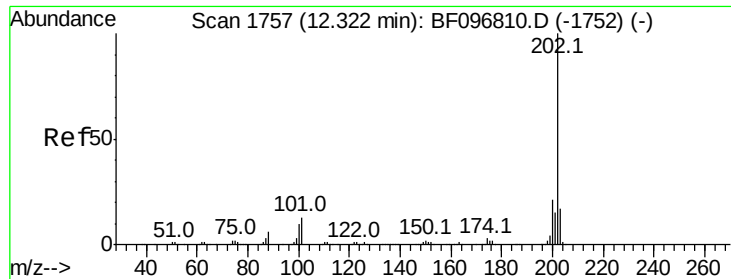
mohammad
7/19/2017 2:31:42 PM



#71
Anthracene
Concen: 2.573 ng
RT: 11.18 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.9	12.7	19.1





#74

Fluoranthene

Concen: 14.541 ng

RT: 12.31 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

Instrument :

BNA_F

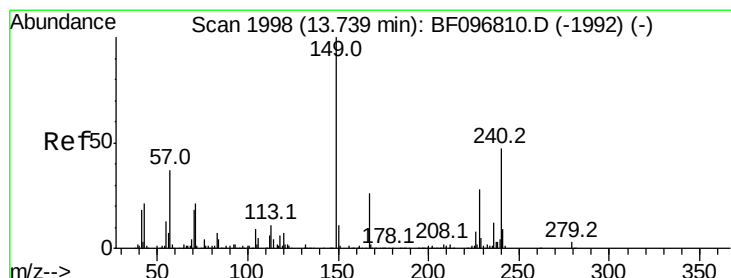
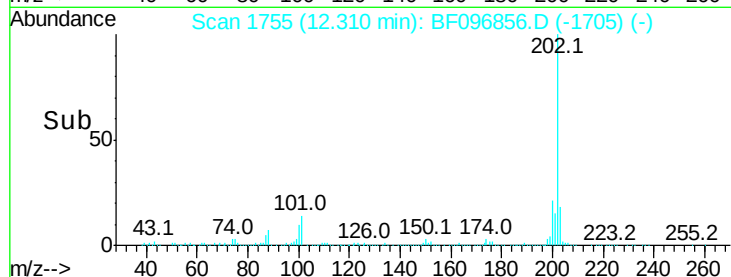
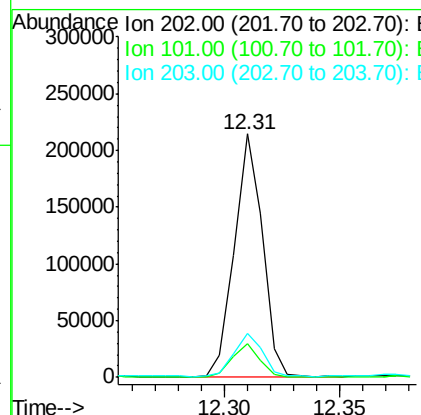
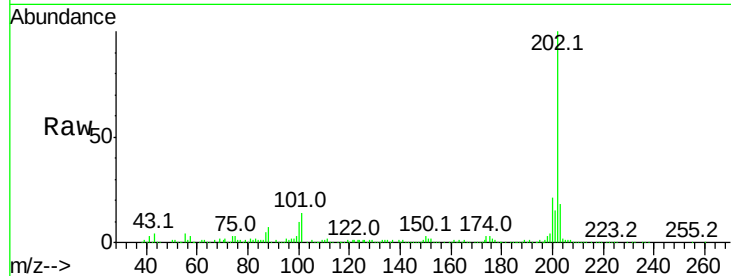
ClientSampleId :

PL-01-071717-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.0	0.0	33.2
203	17.9	0.0	38.1

Manual Integrations
APPROVED

mohammad
7/19/2017 2:31:42 PM



#75

Chrysene-d12

Concen: 20.000 ng

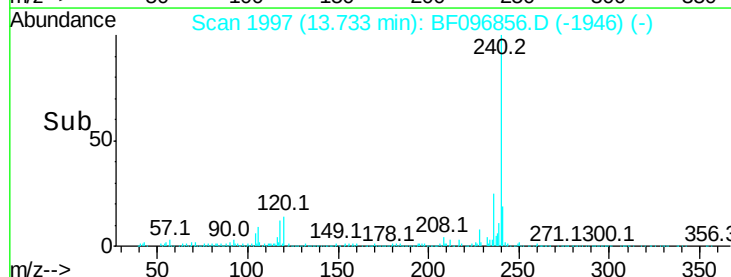
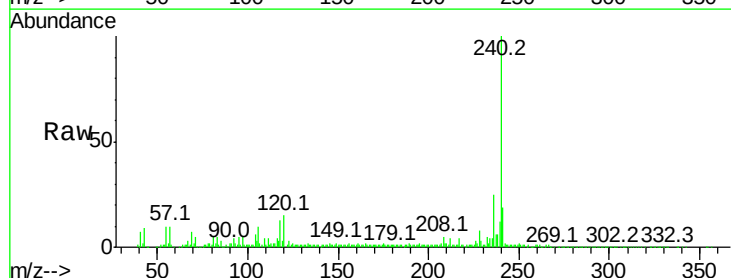
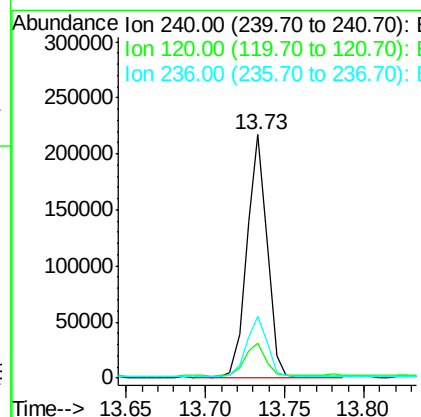
RT: 13.73 min Scan# 1997

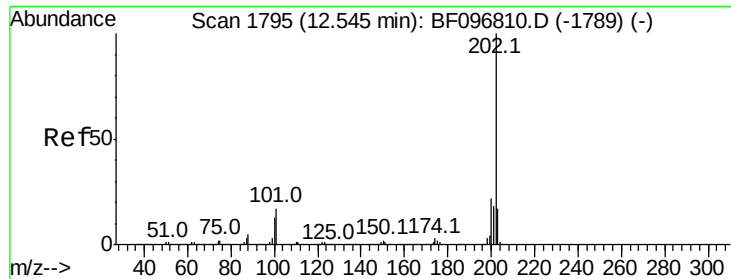
Delta R.T. 0.00 min

Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.5	5.8	8.8#
236	25.4	20.5	30.7





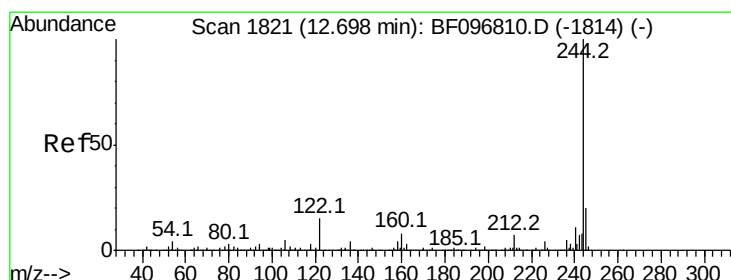
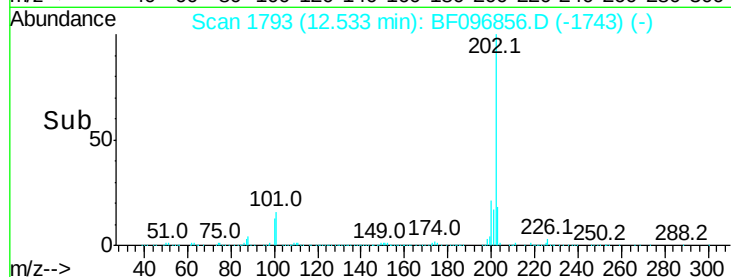
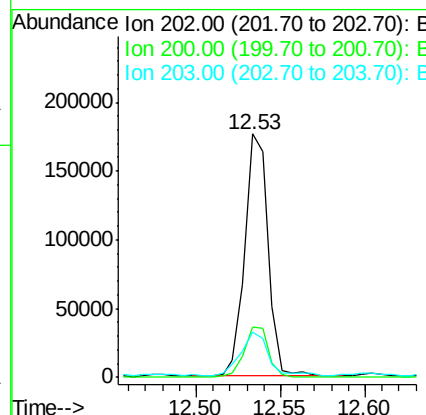
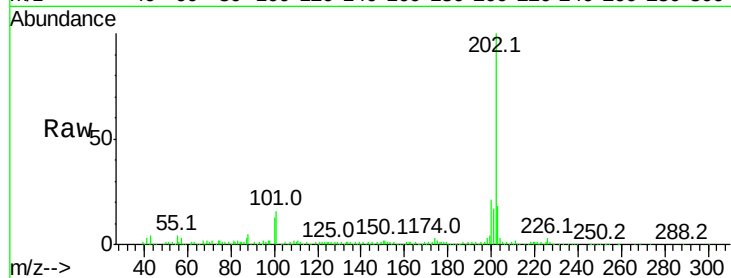
#77
Pvrene
Concen: 9.909 ng
RT: 12.53 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	17.6	26.4
203	18.4	14.4	21.6

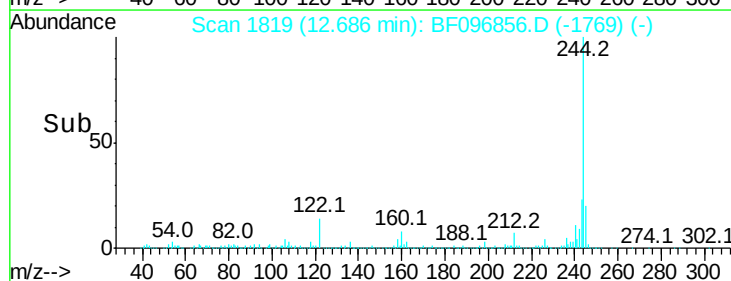
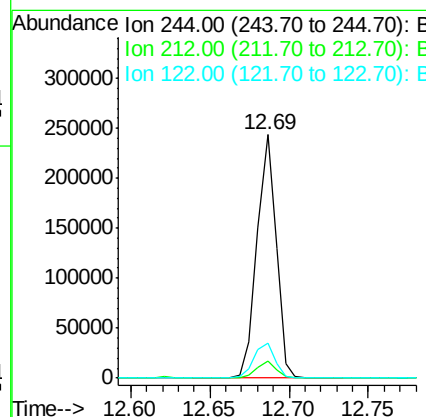
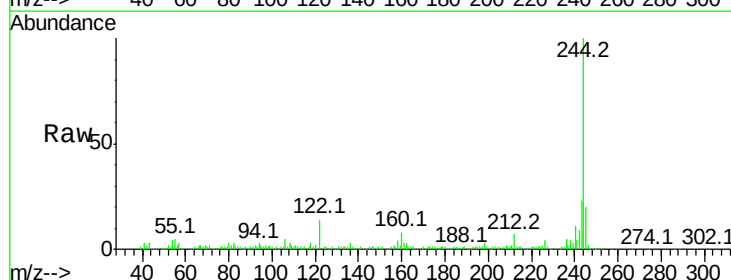
Manual Integrations
APPROVED

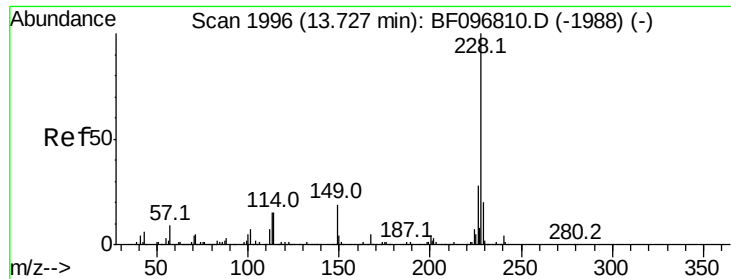
mohammad
7/19/2017 2:31:42 PM



#78
Terphenyl-d14
Concen: 18.899 ng
RT: 12.69 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	6.0	9.0
122	14.2	10.3	15.5





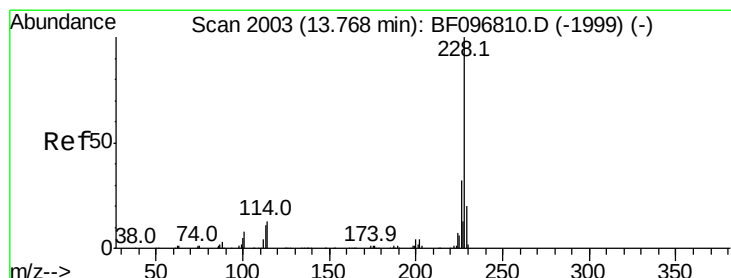
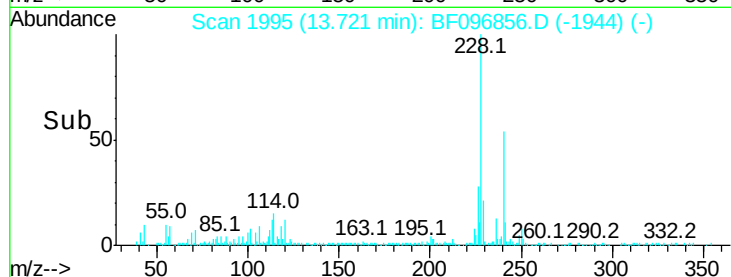
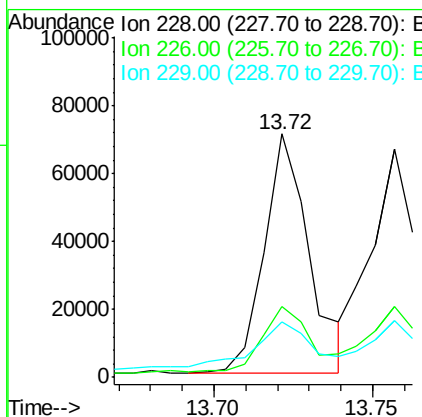
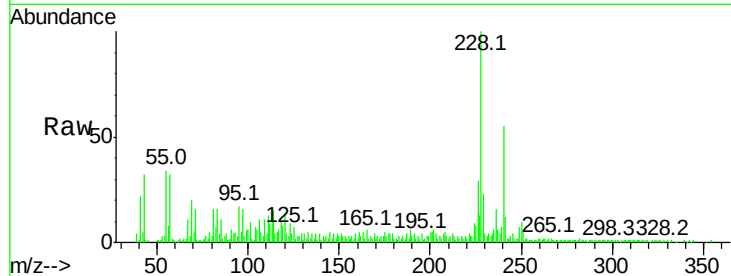
#80
Benzo(a)anthracene
Concen: 5.968 ng
RT: 13.72 min Scan# 1995
Delta R.T. 0.00 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	22.8	16.3	24.5

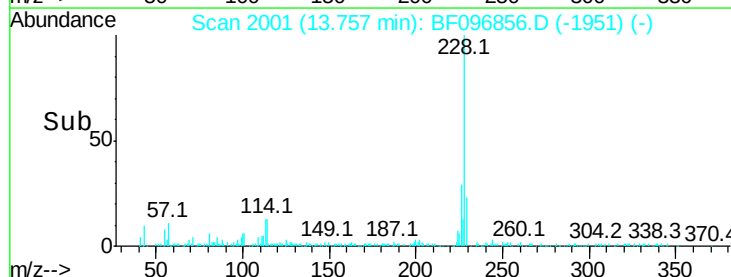
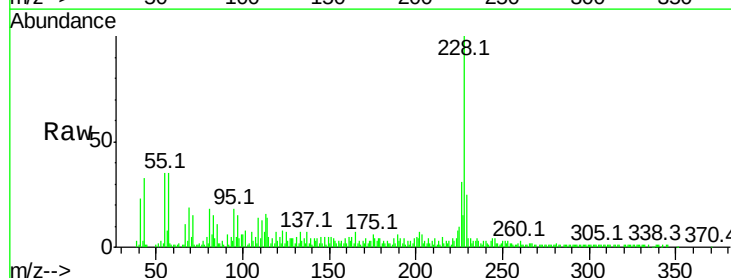
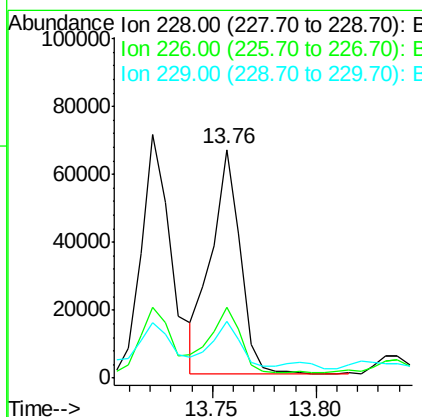
Manual Integrations
APPROVED

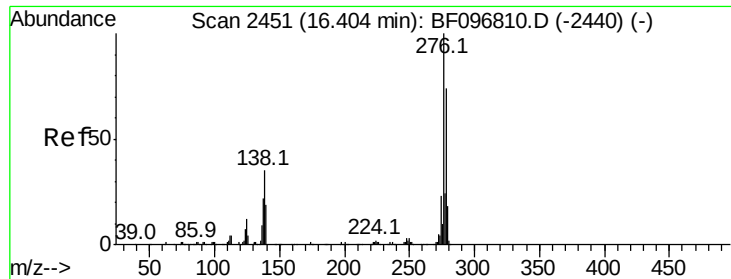
mohammad
7/19/2017 2:31:42 PM



#82
Chrysene
Concen: 5.618 ng m
RT: 13.76 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	24.7	15.8	23.6





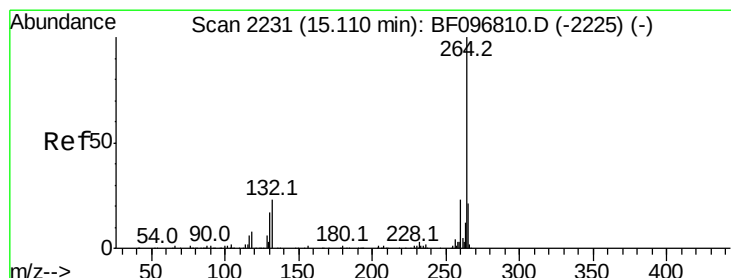
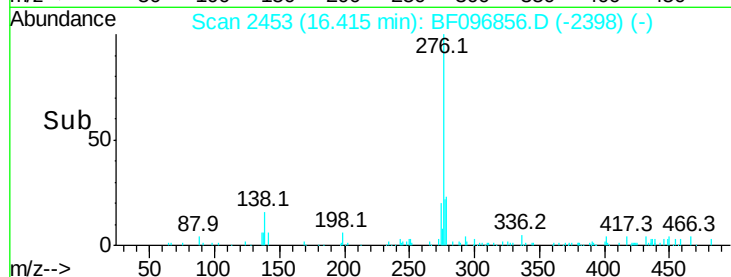
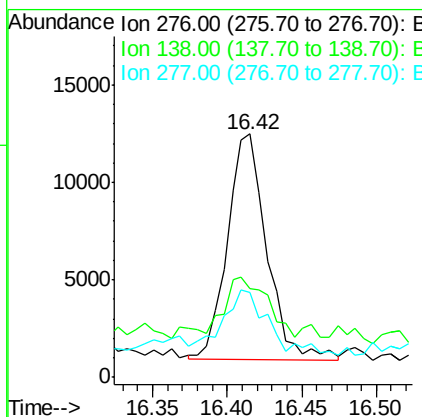
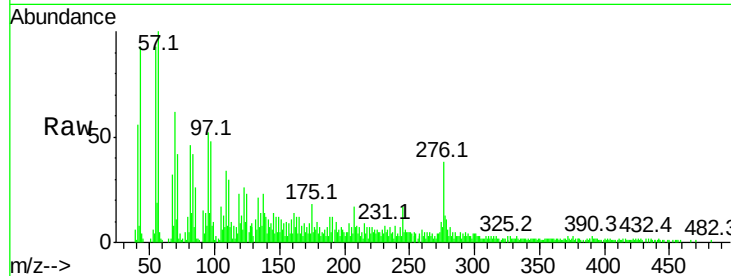
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.241 ng
RT: 16.42 min Scan# 2453
Delta R.T. 0.02 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.9	27.8	41.6
277	24.5	20.2	30.4

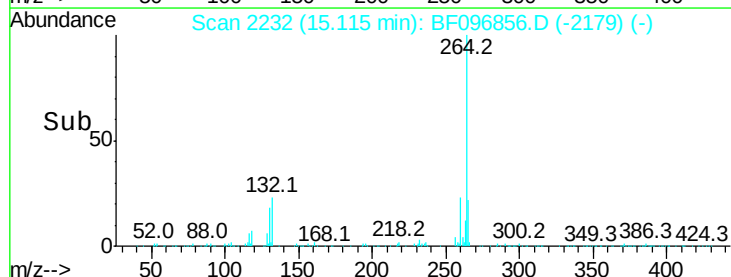
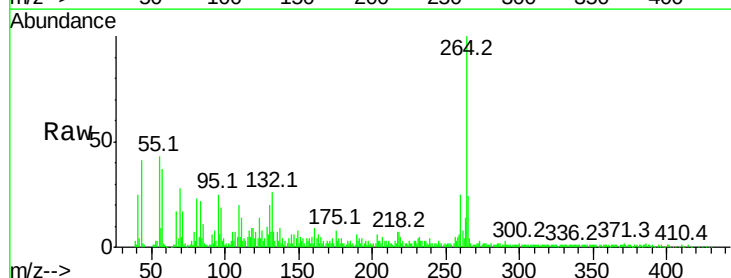
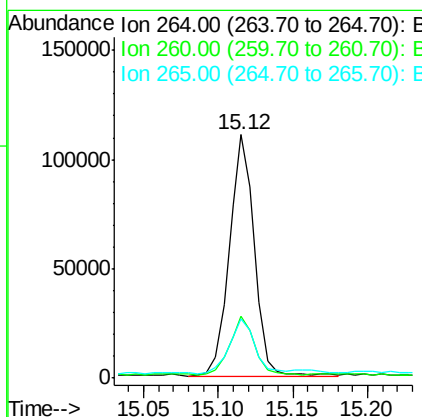
Manual Integrations
APPROVED

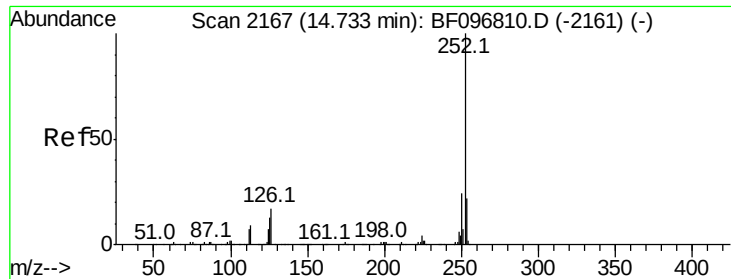
mohammad
7/19/2017 2:31:42 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.12 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.5	29.3
265	24.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 7.584 ng m

RT: 14.73 min Scan# 2167

Delta R.T. 0.01 min

Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

Instrument :

BNA_F

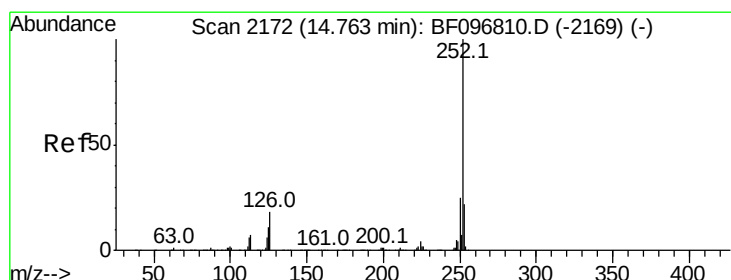
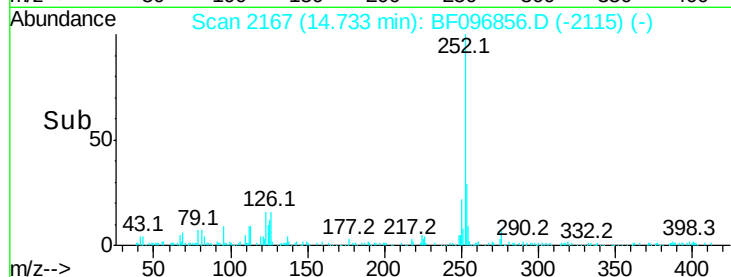
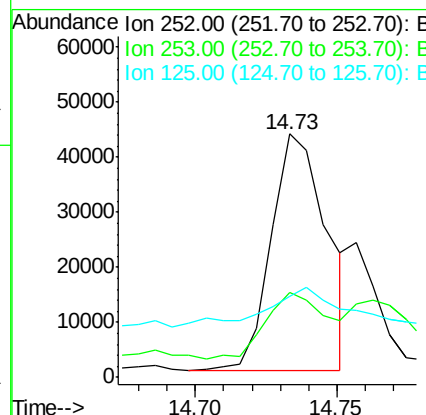
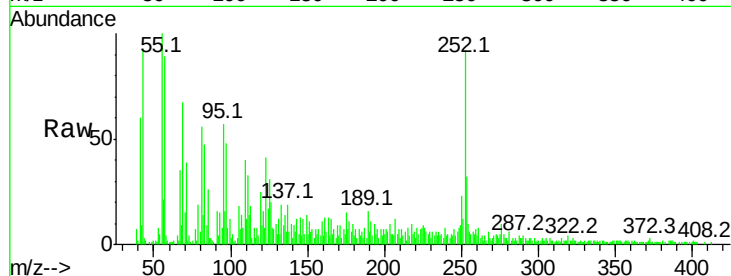
ClientSampleId :

PL-01-071717-A

Tot Ion:	252	Resp:	59106
Ion Ratio	Lower	Upper	
252	100		
253	34.9	18.1	27.1#
125	33.4	9.8	14.8#

Manual Integrations
APPROVED

mohammad
7/19/2017 2:31:42 PM



#88

Benzo(k)fluoranthene

Concen: 2.508 ng m

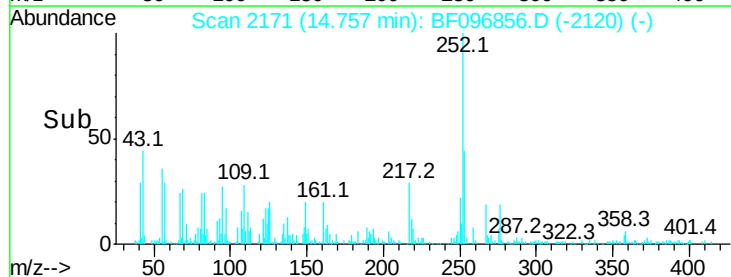
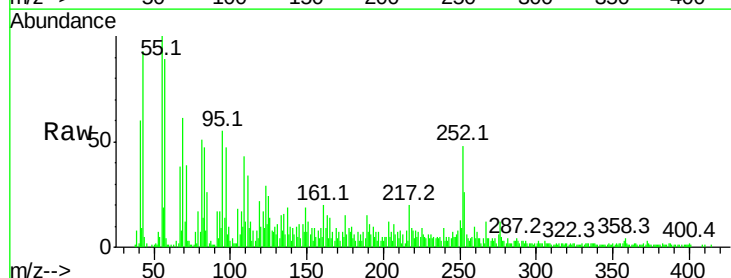
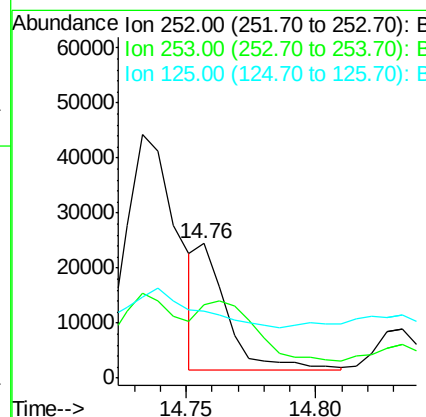
RT: 14.76 min Scan# 2171

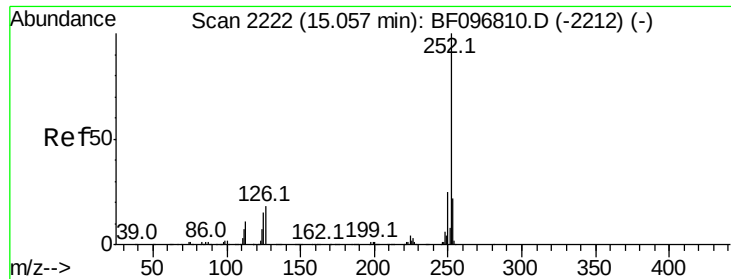
Delta R.T. 0.00 min

Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

Tgt Ion:	252	Resp:	18511
Ion Ratio	Lower	Upper	
252	100		
253	54.1	18.4	27.6#
125	49.4	13.1	19.7#





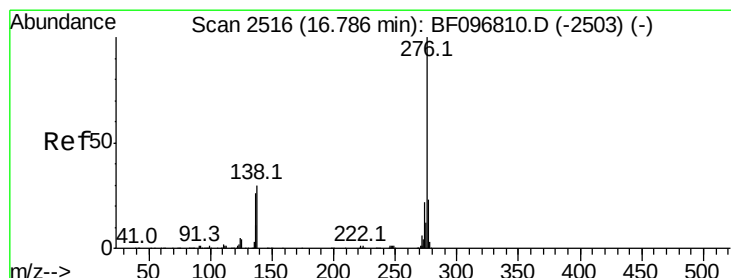
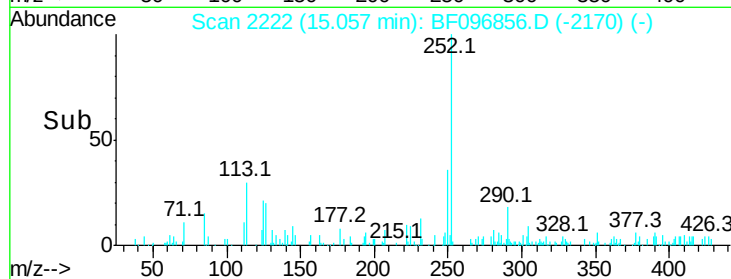
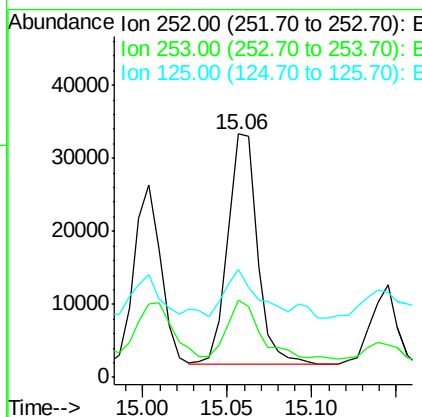
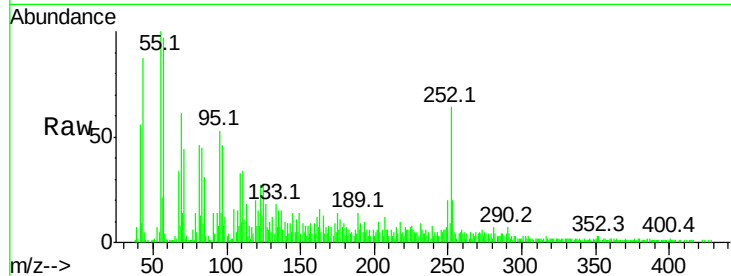
#89
Benzo(a)pyrene
Concen: 5.442 ng
RT: 15.06 min Scan# 2222
Delta R.T. 0.01 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.8	17.5	26.3#
125	44.1	11.0	16.4#

Manual Integrations
APPROVED

mohammad
7/19/2017 2:31:42 PM



#91
Benzo(g,h,i)perylene
Concen: 3.396 ng
RT: 16.80 min Scan# 2519
Delta R.T. 0.02 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.8	18.6	28.0#
138	45.1	25.4	38.0#

