

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096318.D
 Acq On : 30 Jun 2017 3:28
 Operator : SJ/MA
 Sample : I3883-03 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G41-0-1.5

Manual Integrations
 APPROVED

mohammad
 6/30/2017 2:52:30 PM

Quant Time: Jun 30 04:25:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	160446	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	597580	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	215546	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	346721	20.00	ng	0.00
75) Chrysene-d12	13.92	240	302777	20.00	ng	0.00
86) Perylene-d12	15.35	264	211976	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	223395	20.06	ng	0.00
7) Phenol-d6	6.39	99	263578	19.55	ng	0.00
23) Nitrobenzene-d5	7.32	82	124723	14.45	ng	-0.04
41) 2,4,6-Tribromophenol	10.59	330	41105	24.23	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	229505	19.50	ng	-0.02
78) Terphenyl-d14	12.87	244	184618	15.21	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.52	163	39358	2.55	ng	97
70) Phenanthrene	11.31	178	287790	10.70	ng	98
71) Anthracene	11.36	178	74191	3.83	ng	98
74) Fluoranthene	12.50	202	498535	25.88	ng	97
77) Pyrene	12.73	202	454824	18.28	ng	99
80) Benzo(a)anthracene	13.91	228	193898	10.51	ng	98
82) Chrysene	13.94	228	188880m	9.89	ng	
85) Indeno(1,2,3-cd)pyrene	16.74	276	83851	5.29	ng	93
87) Benzo(b)fluoranthene	14.94	252	201250m	14.45	ng	
88) Benzo(k)fluoranthene	14.96	252	54555m	4.29	ng	
89) Benzo(a)pyrene	15.29	252	126332	10.27	ng	# 96
90) Dibenzo(a,h)anthracene	16.75	278	19282	2.00	ng	# 50
91) Benzo(a,h,i)perylene	17.16	276	79587	7.95	ng	98

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

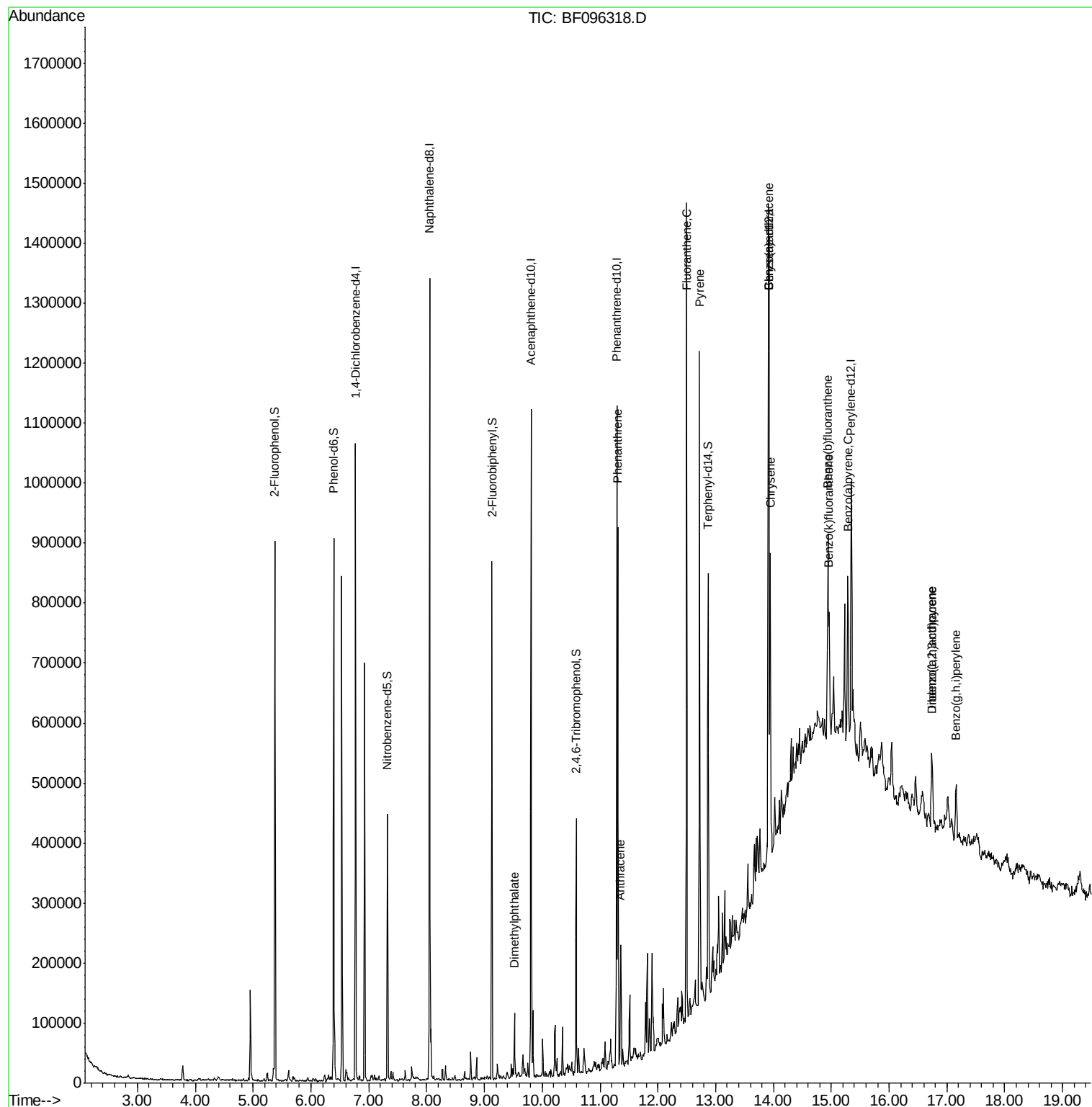
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
Data File : BF096318.D
Acq On : 30 Jun 2017 3:28
Operator : SJ/MA
Sample : I3883-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

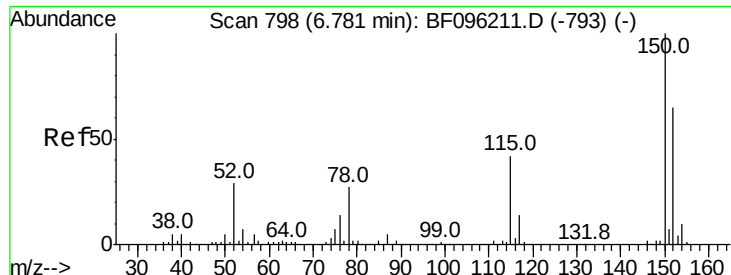
Instrument :
BNA_F
ClientSampled :
G41-0-1.5

Manual Integrations
APPROVED

mohammad
6/30/2017 2:52:30 PM

Quant Time: Jun 30 04:25:26 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 15:41:49 2017
Response via : Initial Calibration





#1

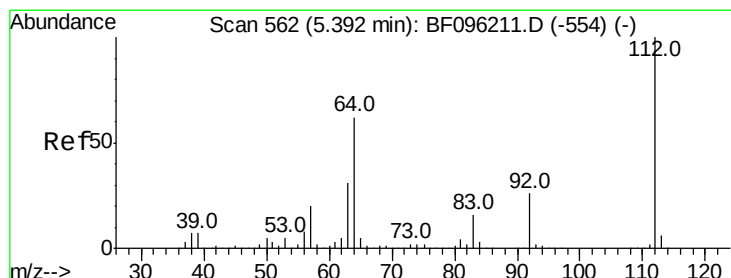
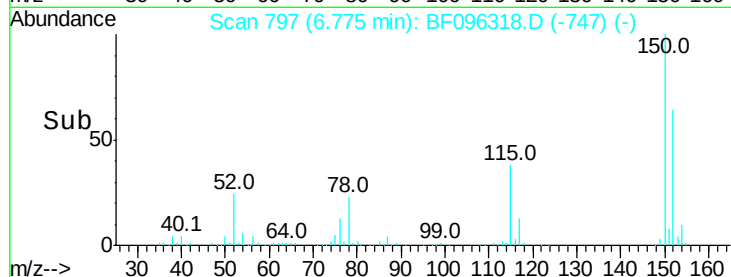
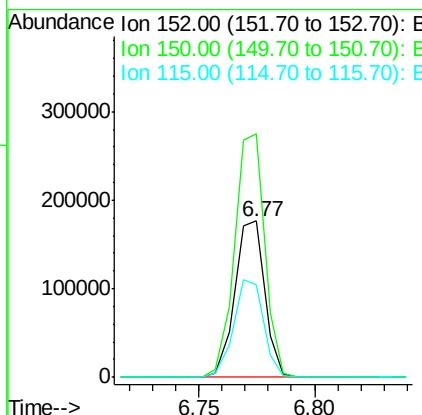
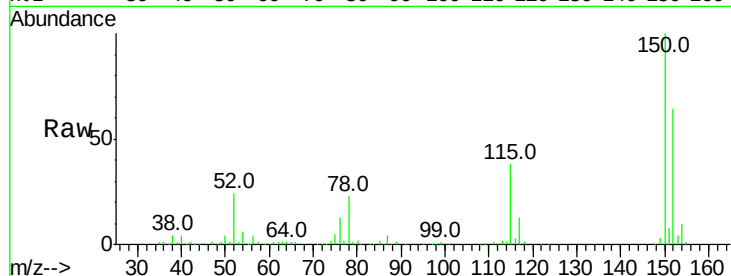
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF096318.D
Acq: 30 Jun 2017 3:28

Instrument :
BNA_F
ClientSampleId :
G41-0-1.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	126.2	189.2
115	58.8	52.2	78.2

Manual Integrations
APPROVED

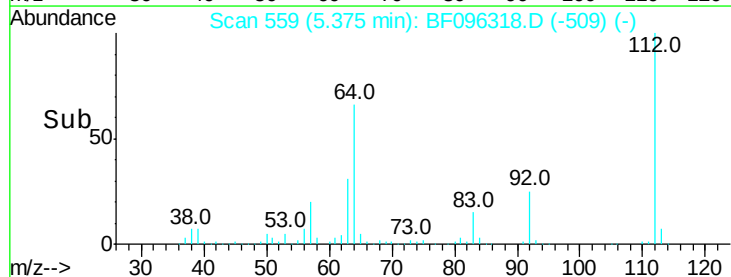
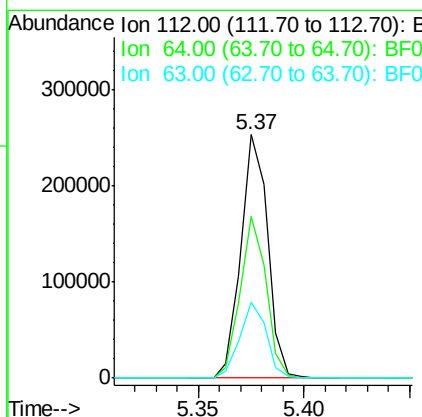
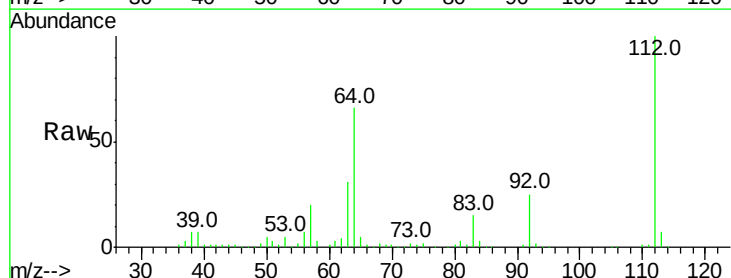
mohammad
6/30/2017 2:52:30 PM

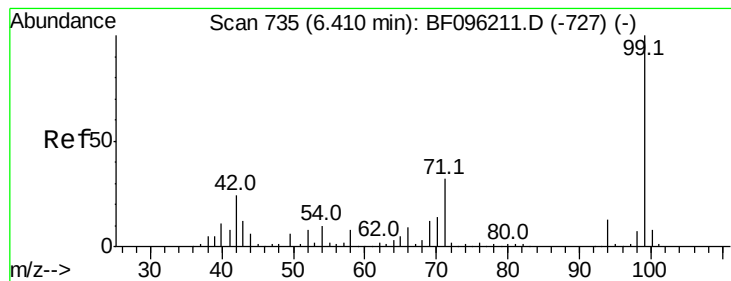


#5

2-Fluorophenol
Concen: 20.06 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF096318.D
Acq: 30 Jun 2017 3:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	46.0	69.0
63	31.3	23.4	35.0





#7

Phenol-d6

Concen: 19.55 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096318.D

Acq: 30 Jun 2017 3:28

Instrument :

BNA_F

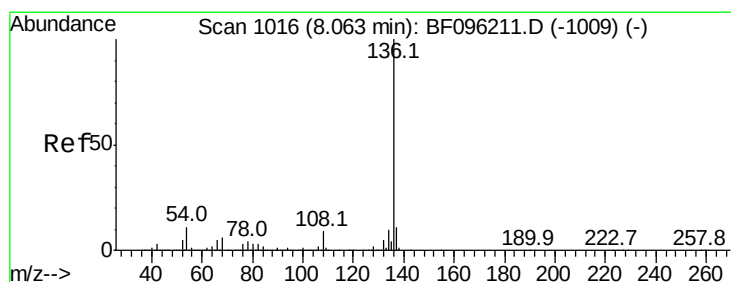
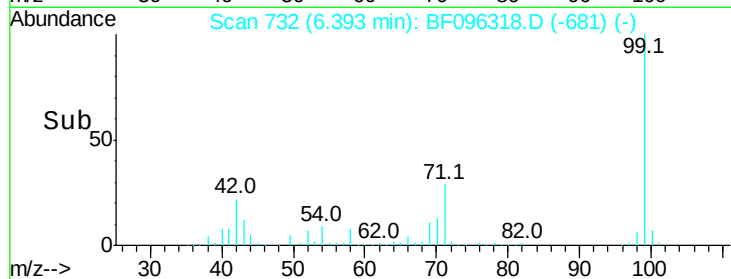
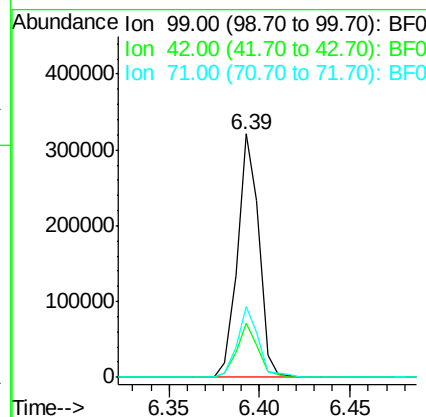
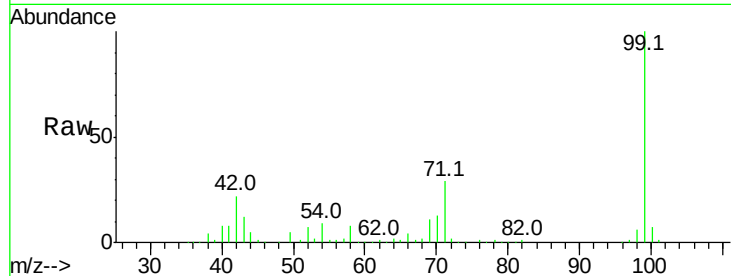
ClientSampleId :

G41-0-1.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		263578		
42	22.2	13.5	20.3#		
71	29.1	24.5	36.7		

Manual Integrations
APPROVED

mohammad
6/30/2017 2:52:30 PM



#21

Naphthalene-d8

Concen: 20.00 ng

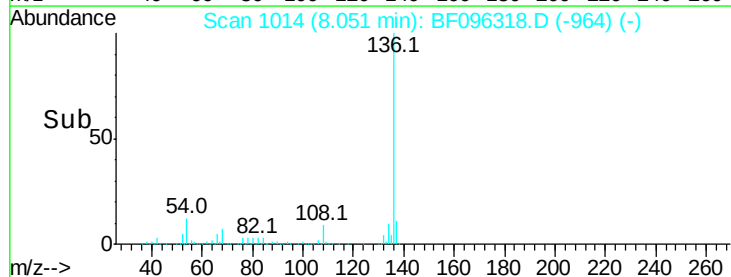
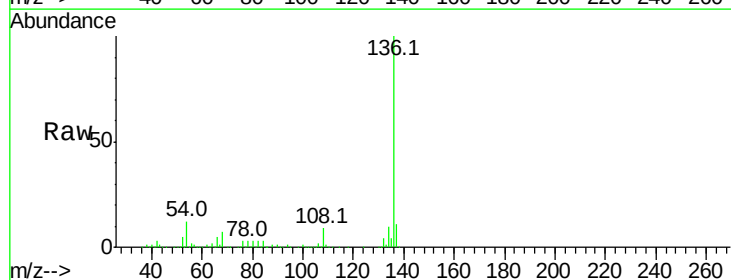
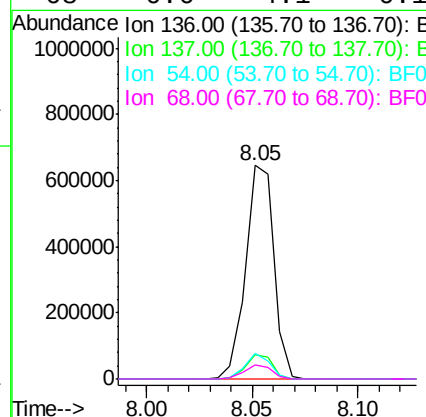
RT: 8.05 min Scan# 1014

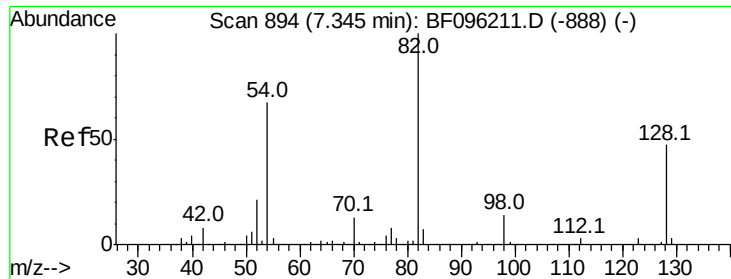
Delta R.T. -0.01 min

Lab File: BF096318.D

Acq: 30 Jun 2017 3:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		597580		
137	11.5	8.5	12.7		
54	12.1	4.9	7.3#		
68	6.6	4.1	6.1#		





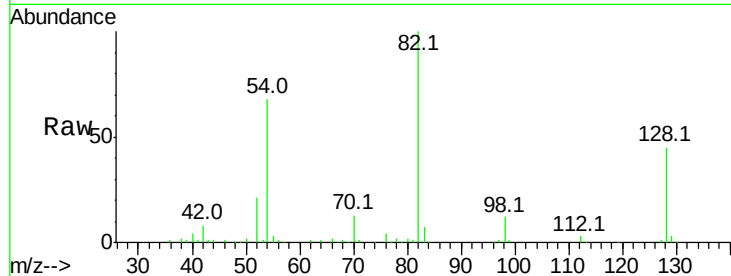
#23
 Nitrobenzene-d5
 Concen: 14.45 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.04 min
 Lab File: BF096318.D
 Acq: 30 Jun 2017 3:28

Instrument :
 BNA_F
 ClientSampleId :
 G41-0-1.5

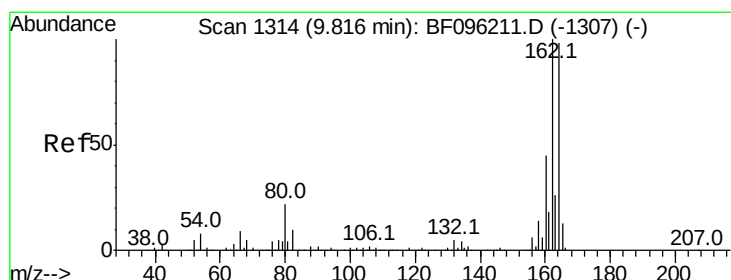
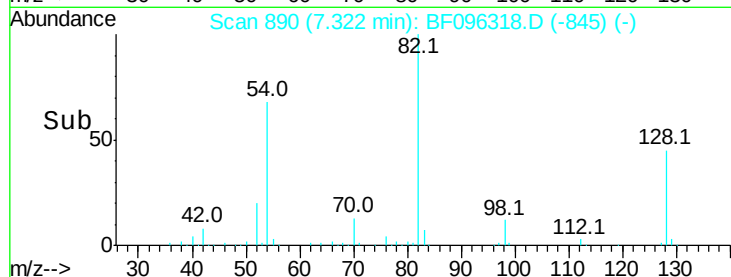
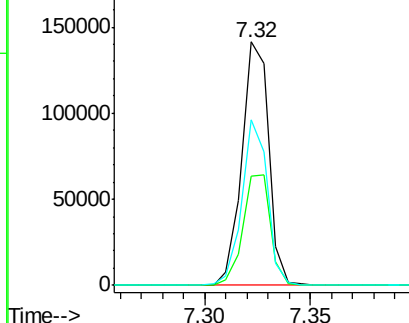
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.0	34.0	51.0	
54	67.9	42.2	63.2	

Manual Integrations
 APPROVED

mohammad
 6/30/2017 2:52:30 PM



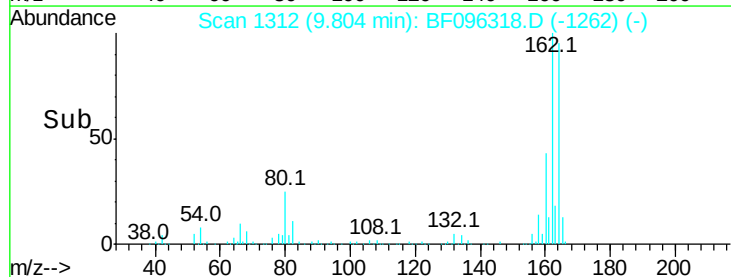
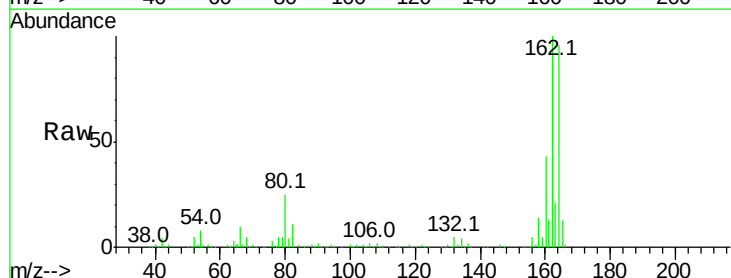
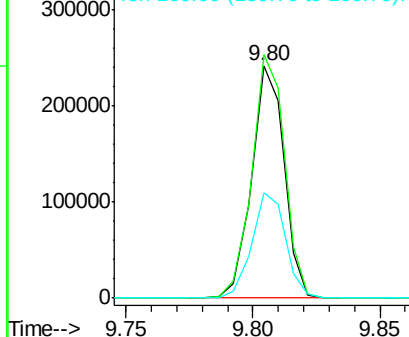
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

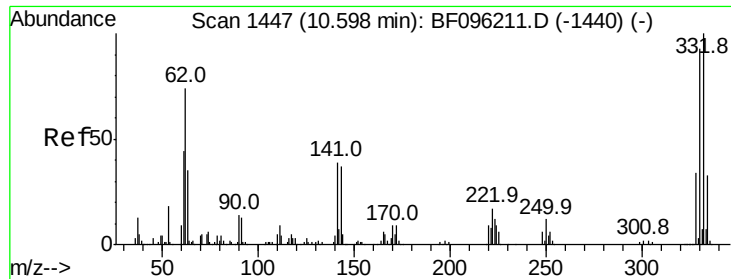


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.01 min
 Lab File: BF096318.D
 Acq: 30 Jun 2017 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.6	82.6	123.8	
160	45.4	36.2	54.2	

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: 24.23 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF096318.D

Acq: 30 Jun 2017 3:28

Instrument :

BNA_F

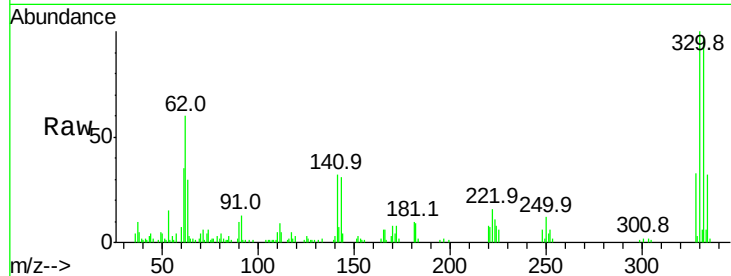
ClientSampleId :

G41-0-1.5

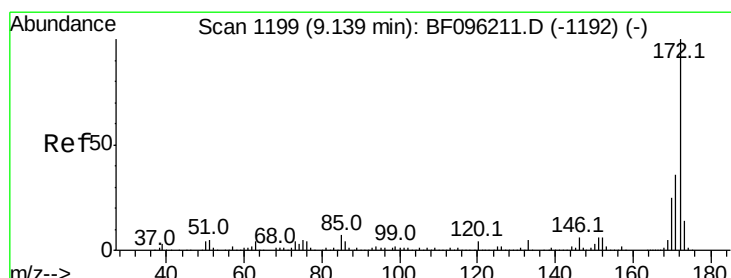
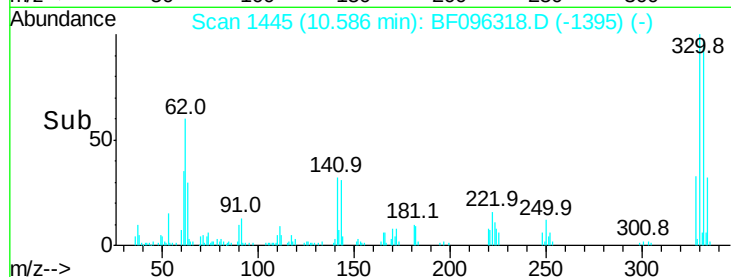
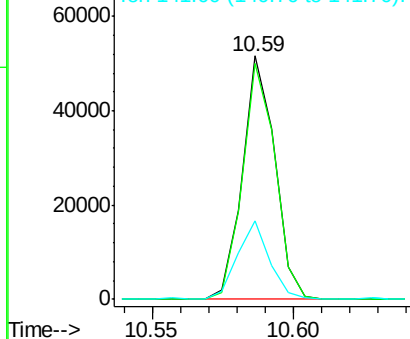
Tot Ion:	330	Resp:	41105
Ion Ratio	Lower	Upper	
330	100		
332	97.5	76.6	115.0
141	32.5	31.4	47.2

Manual Integrations
APPROVED

mohammad
6/30/2017 2:52:30 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: 19.50 ng

RT: 9.13 min Scan# 1197

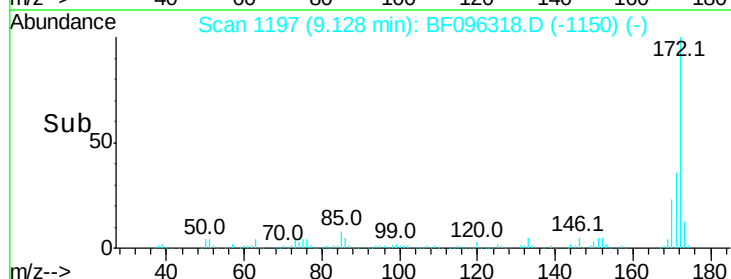
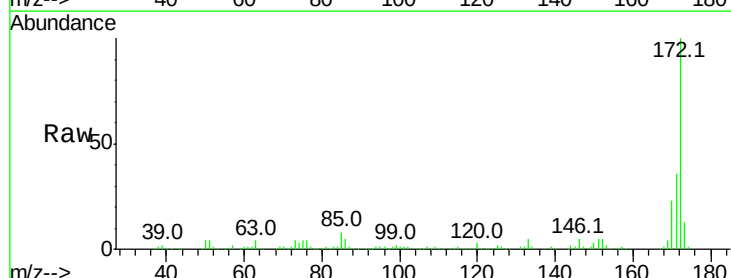
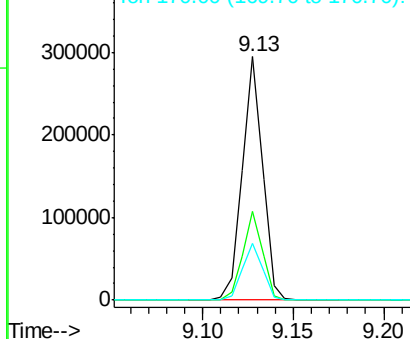
Delta R.T. -0.02 min

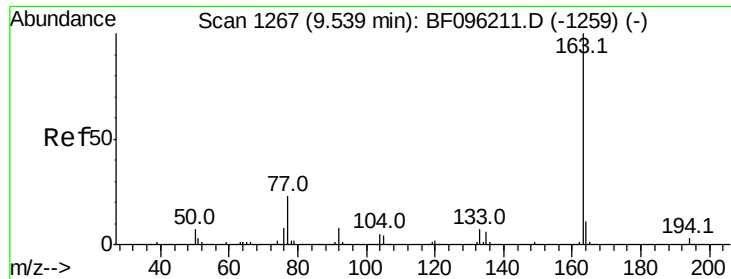
Lab File: BF096318.D

Acq: 30 Jun 2017 3:28

Tgt Ion:	172	Resp:	229505
Ion Ratio	Lower	Upper	
172	100		
171	36.2	29.6	44.4
170	23.4	19.8	29.8

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





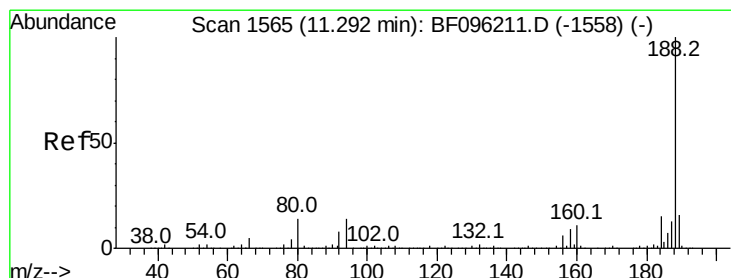
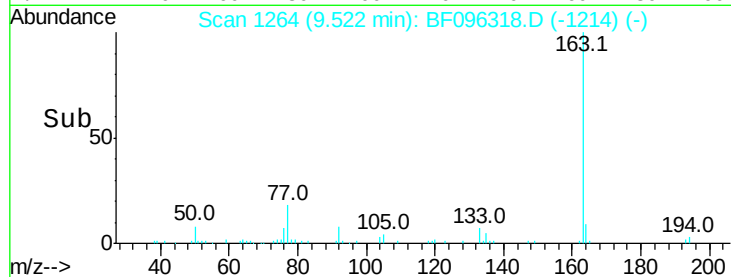
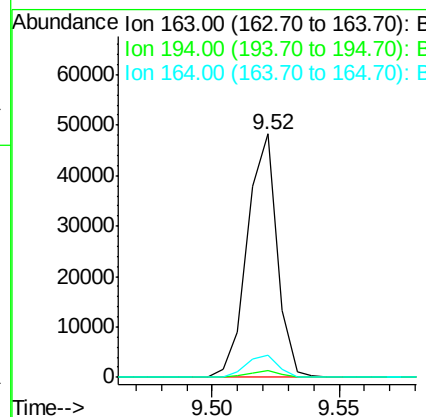
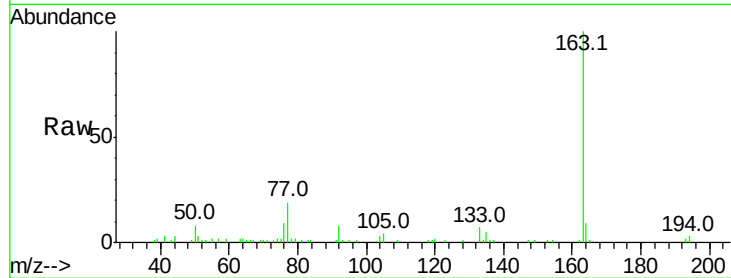
#49
Dimethylphthalate
Concen: 2.55 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF096318.D
Acq: 30 Jun 2017 3:28

Instrument :
BNA_F
ClientSampleId :
G41-0-1.5

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.0	2.6	4.0
164	9.4	8.4	12.6

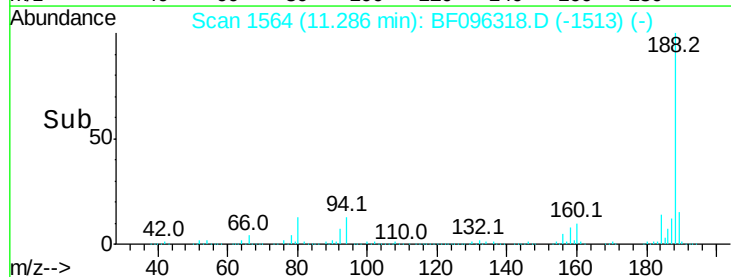
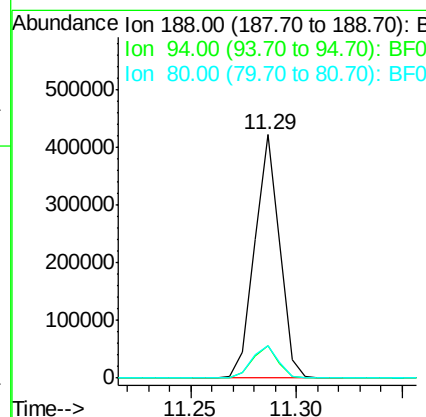
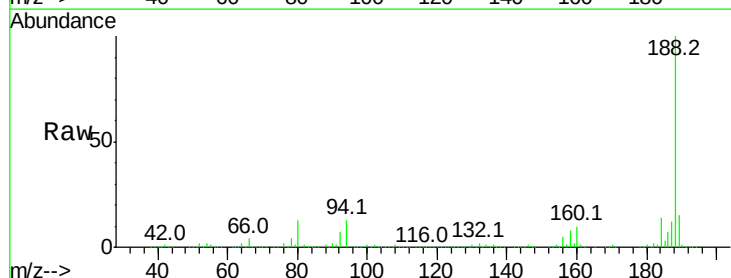
Manual Integrations
APPROVED

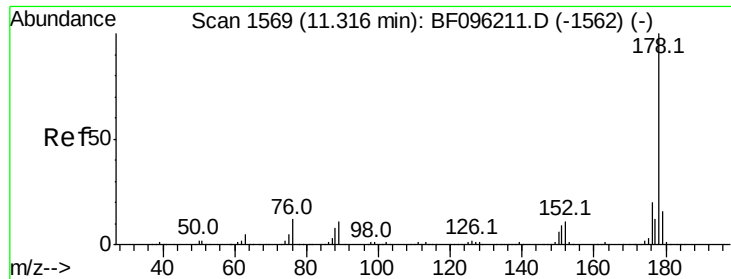
mohammad
6/30/2017 2:52:30 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BF096318.D
Acq: 30 Jun 2017 3:28

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	13.2	9.4	14.2
80	13.3	10.2	15.2





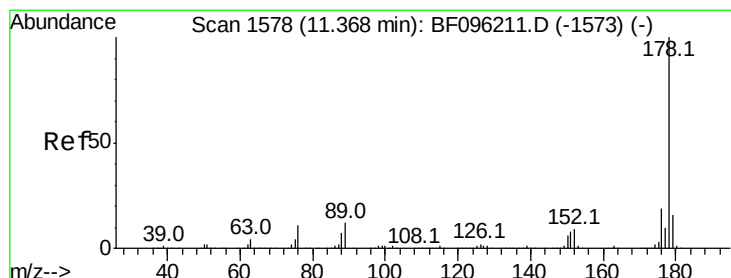
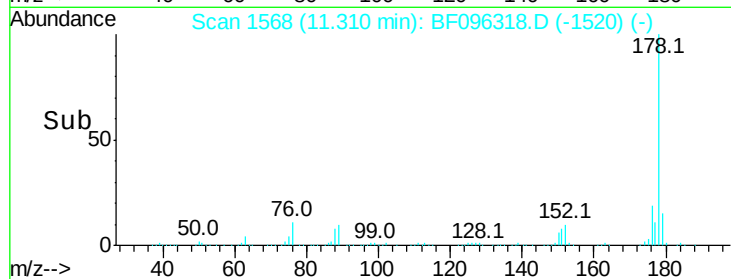
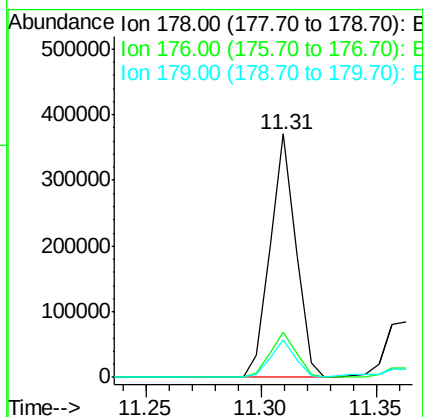
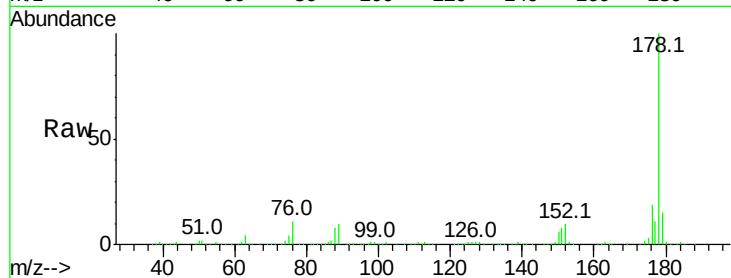
#70
Phenanthrene
Concen: 10.70 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF096318.D
Acq: 30 Jun 2017 3:28

Instrument :
BNA_F
ClientSampleId :
G41-0-1.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.4
179	15.2	12.6	19.0

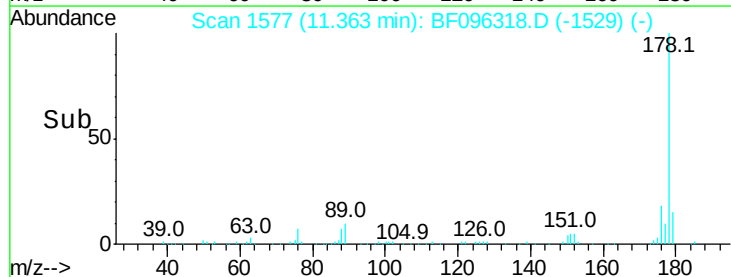
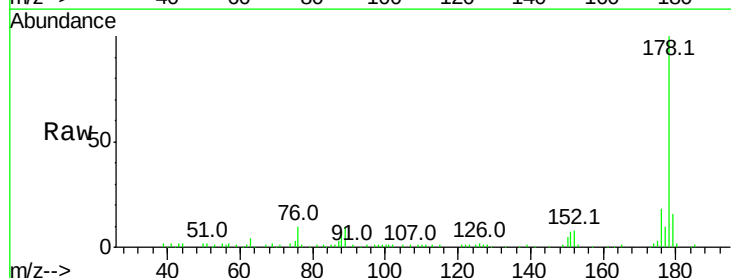
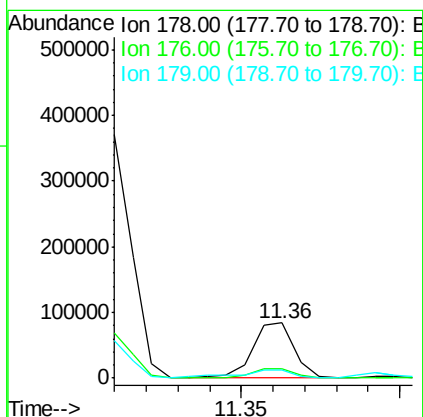
Manual Integrations
APPROVED

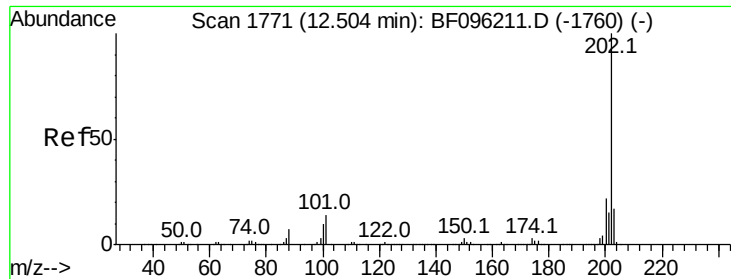
mohammad
6/30/2017 2:52:30 PM



#71
Anthracene
Concen: 3.83 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF096318.D
Acq: 30 Jun 2017 3:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	15.8	12.7	19.1





#74

Fluoranthene

Concen: 25.88 ng

RT: 12.50 min Scan# 1770

Delta R.T. 0.01 min

Lab File: BF096318.D

Acq: 30 Jun 2017 3:28

Instrument :

BNA_F

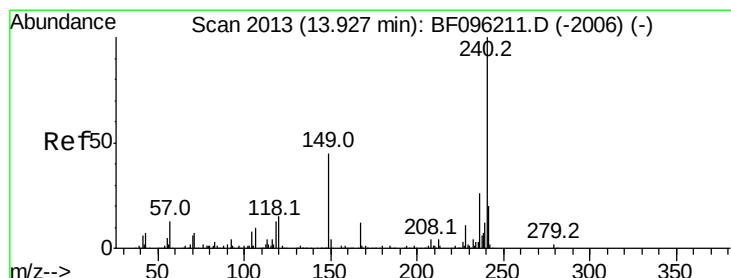
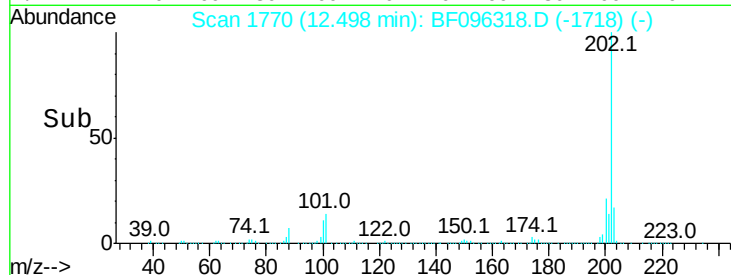
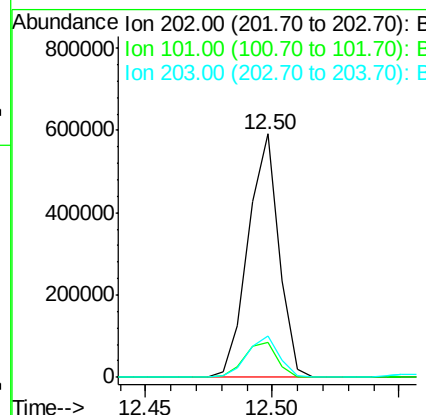
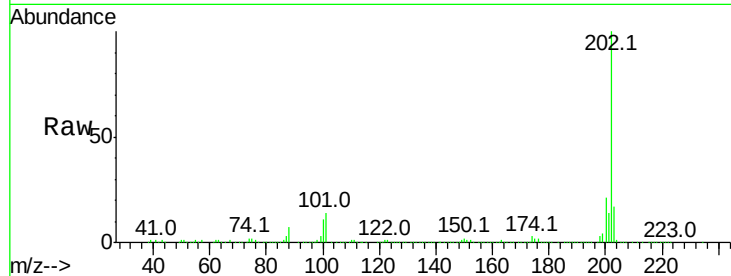
ClientSampleId :

G41-0-1.5

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.5	0.0	33.2
203	17.1	0.0	38.1

Manual Integrations
APPROVED

mohammad
6/30/2017 2:52:30 PM



#75

Chrysene-d12

Concen: 20.00 ng

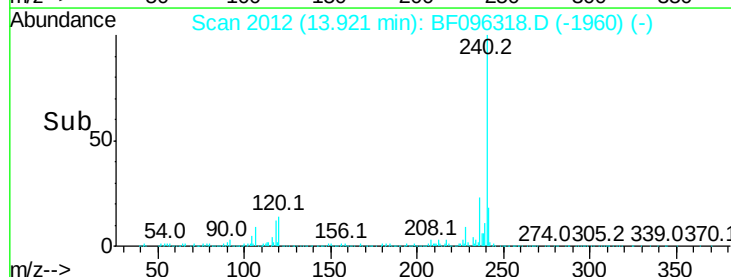
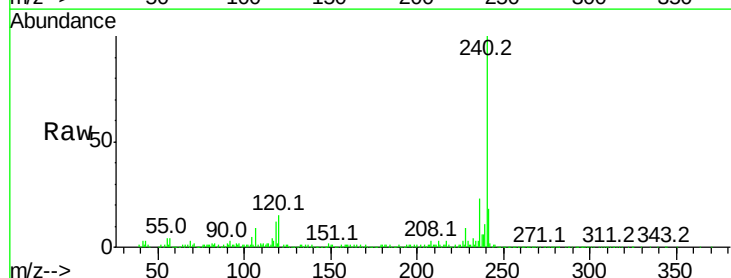
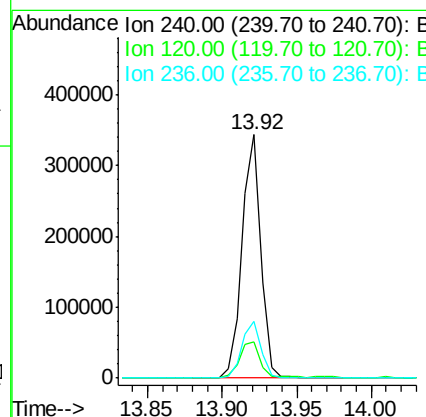
RT: 13.92 min Scan# 2012

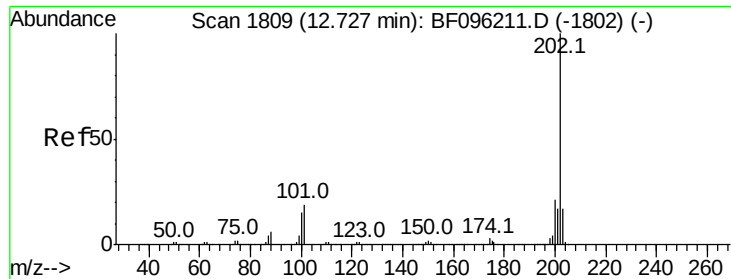
Delta R.T. 0.01 min

Lab File: BF096318.D

Acq: 30 Jun 2017 3:28

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.6	5.8	8.8#
236	23.4	20.5	30.7





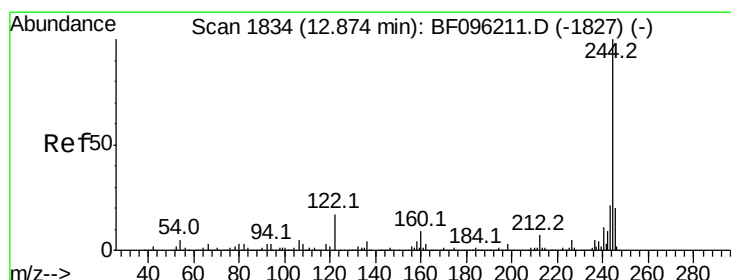
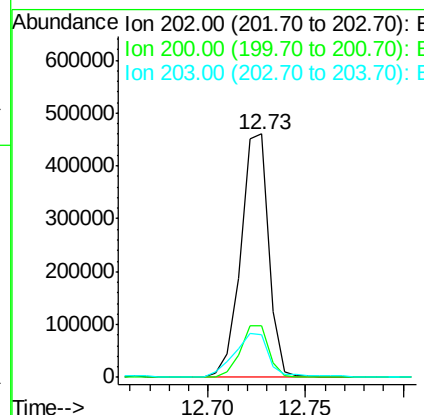
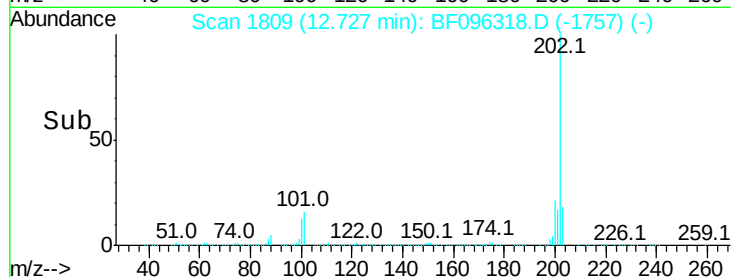
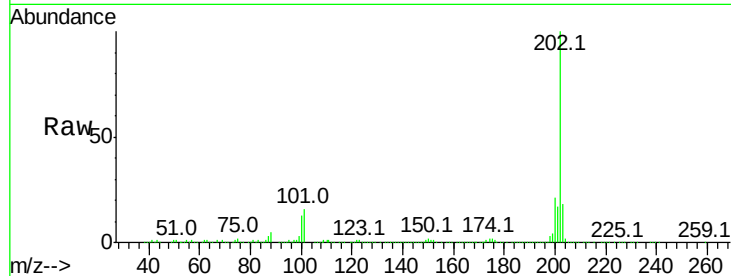
#77
Pvrene
Concen: 18.28 ng
RT: 12.73 min Scan# 1809
Delta R.T. 0.01 min
Lab File: BF096318.D
Acq: 30 Jun 2017 3:28

Instrument :
BNA_F
ClientSampleId :
G41-0-1.5

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	17.7	14.4	21.6

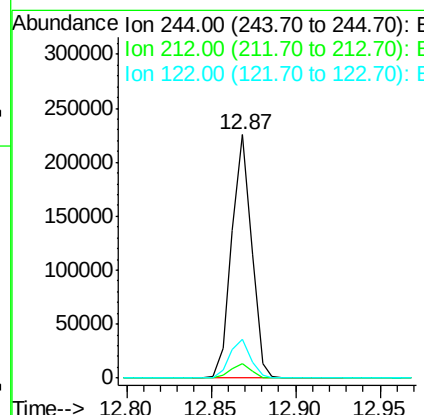
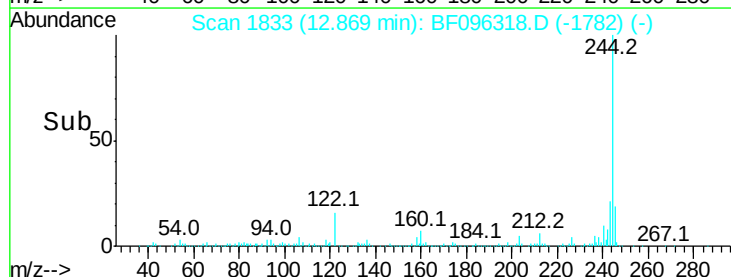
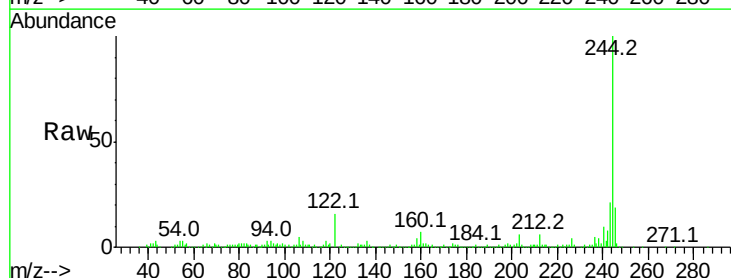
Manual Integrations
APPROVED

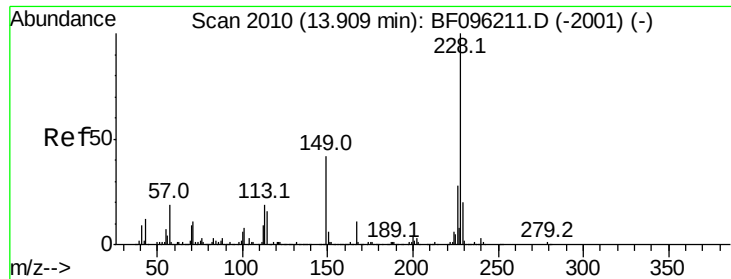
mohammad
6/30/2017 2:52:30 PM



#78
Terphenyl-d14
Concen: 15.21 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.00 min
Lab File: BF096318.D
Acq: 30 Jun 2017 3:28

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.0	6.0	9.0
122	15.8	10.3	15.5#





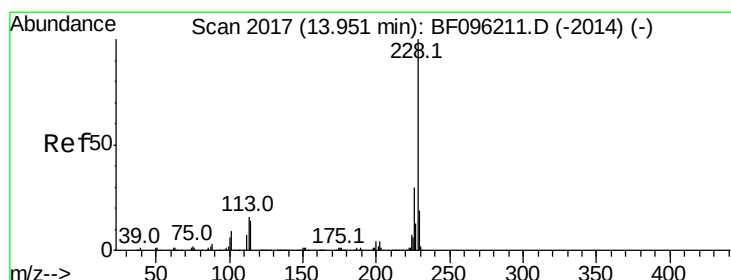
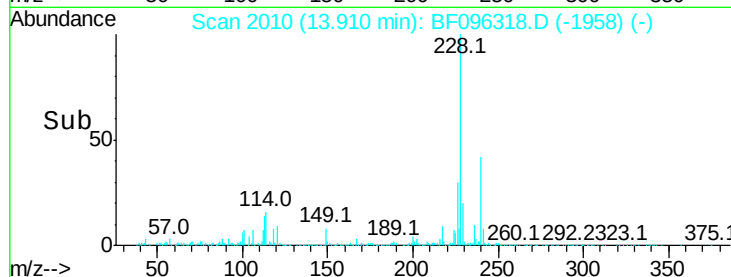
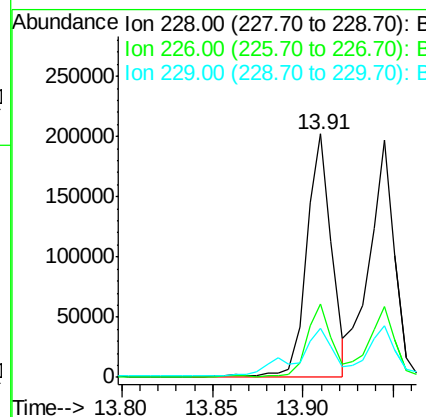
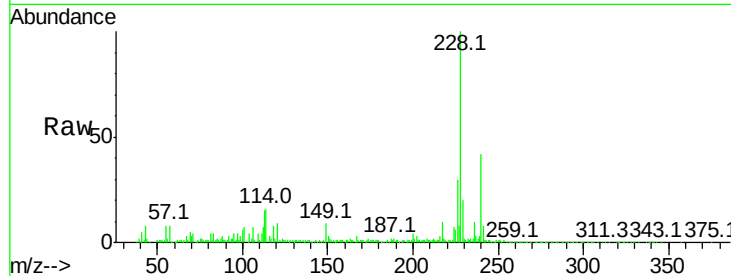
#80
Benzo(a)anthracene
Concen: 10.51 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF096318.D
Acq: 30 Jun 2017 3:28

Instrument :
BNA_F
ClientSampleId :
G41-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
228	100	193898		
226	30.1		22.6	33.8
229	20.0		16.3	24.5

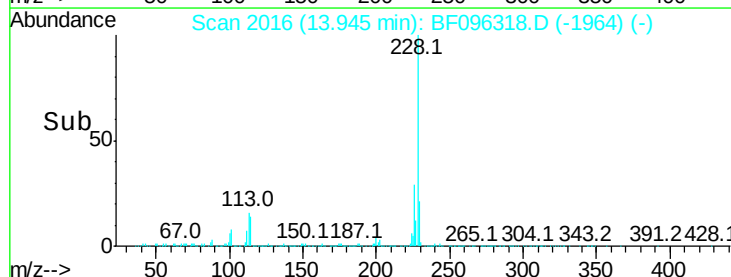
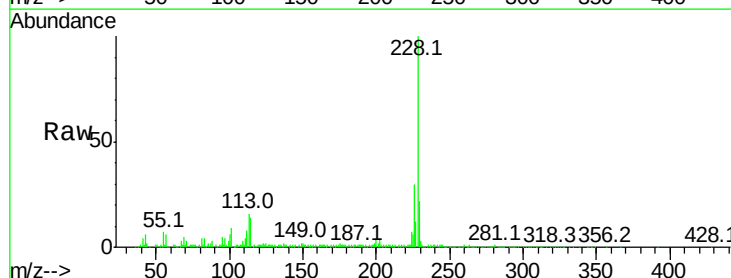
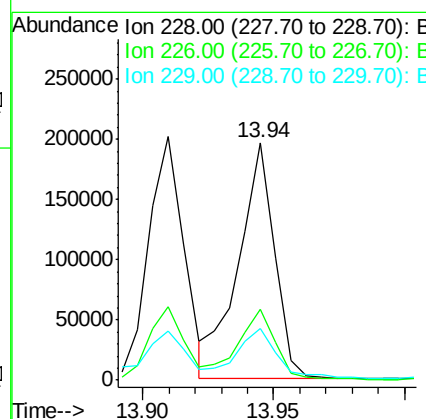
Manual Integrations
APPROVED

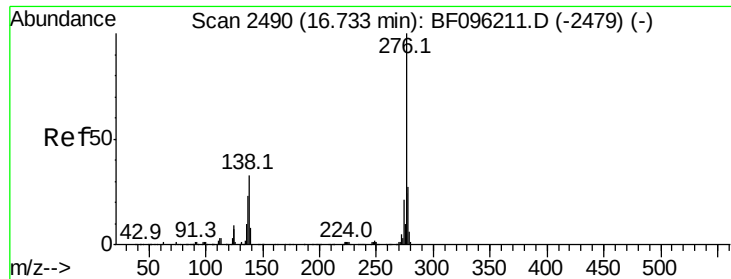
mohammad
6/30/2017 2:52:30 PM



#82
Chrysene
Concen: 9.89 ng m
RT: 13.94 min Scan# 2016
Delta R.T. 0.01 min
Lab File: BF096318.D
Acq: 30 Jun 2017 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	188880		
226	29.6		24.9	37.3
229	21.5		15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.29 ng

RT: 16.74 min Scan# 2491

Delta R.T. 0.02 min

Lab File: BF096318.D

Acq: 30 Jun 2017 3:28

Instrument :

BNA_F

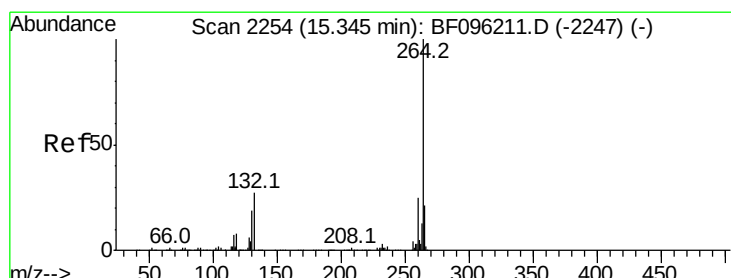
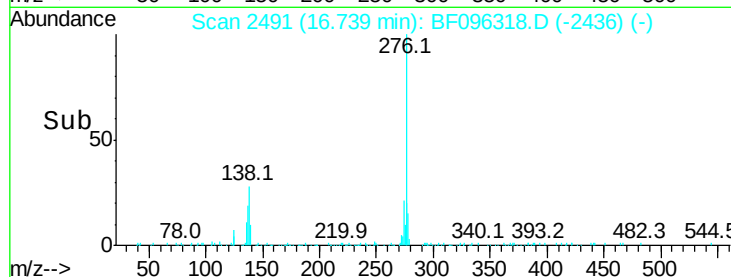
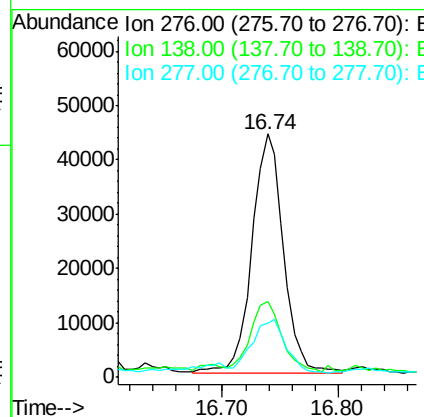
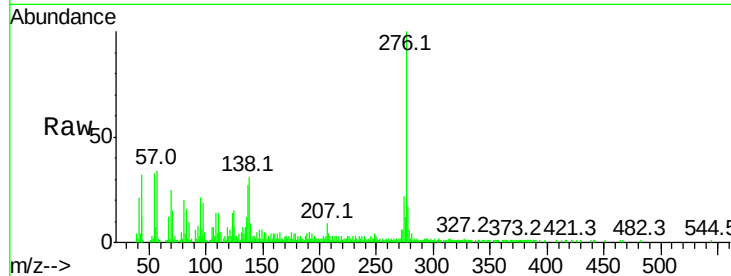
ClientSampleId :

G41-0-1.5

Tot Ion:	276	Resp:	83851
Ion Ratio	Lower	Upper	
276	100		
138	28.8	27.8	41.6
277	23.4	20.2	30.4

Manual Integrations
APPROVED

mohammad
6/30/2017 2:52:30 PM



#86

Perylene-d12

Concen: 20.00 ng

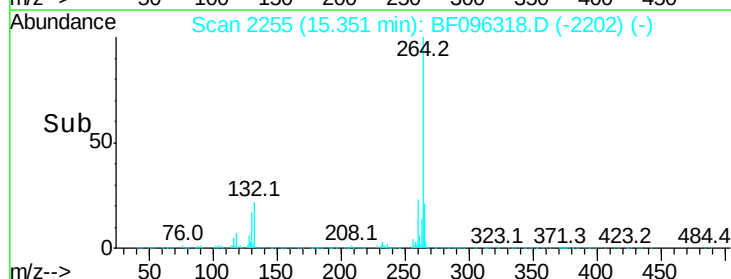
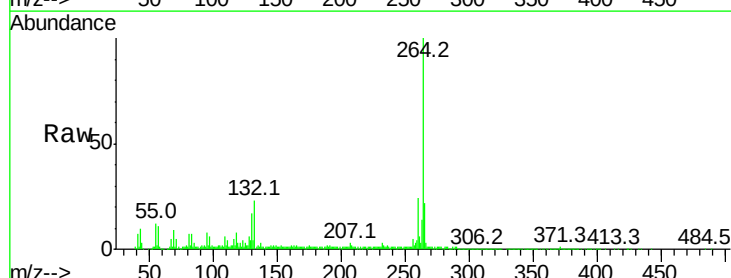
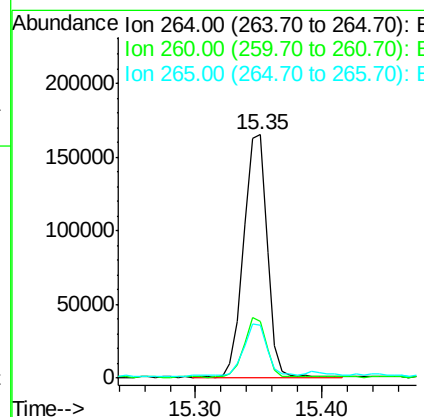
RT: 15.35 min Scan# 2255

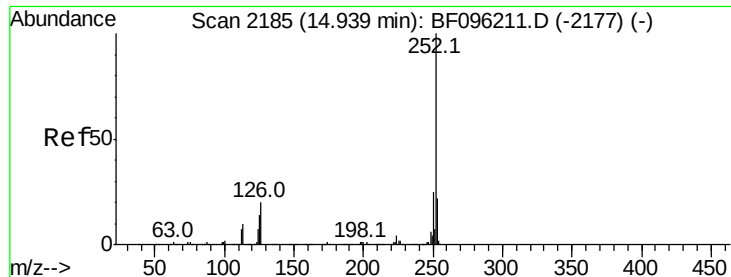
Delta R.T. 0.01 min

Lab File: BF096318.D

Acq: 30 Jun 2017 3:28

Tgt Ion:	264	Resp:	211976
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.5	29.3
265	21.6	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 14.45 ng m

RT: 14.94 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BF096318.D

Acq: 30 Jun 2017 3:28

Instrument :

BNA_F

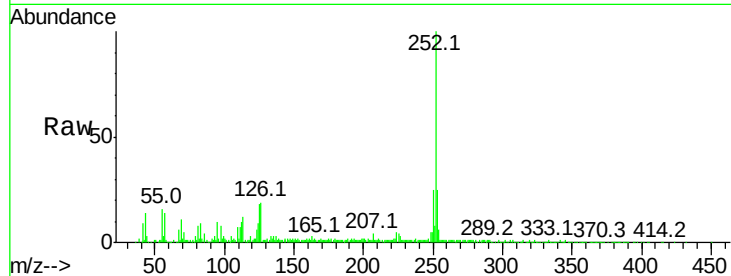
ClientSampleId :

G41-0-1.5

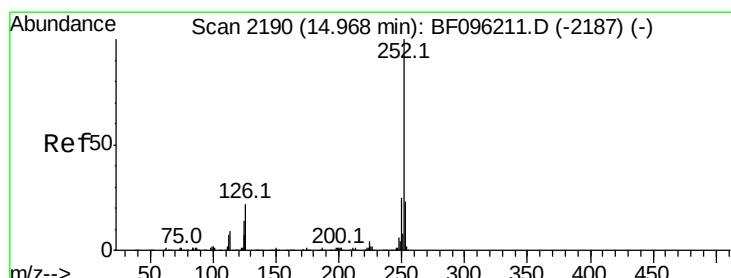
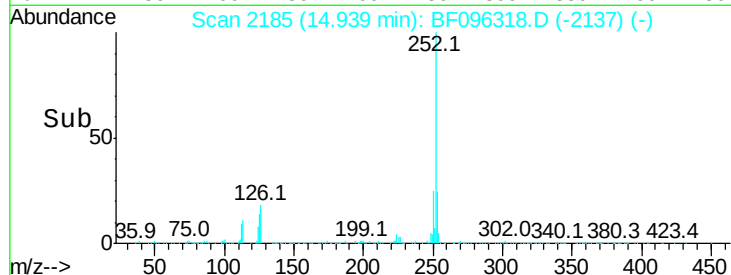
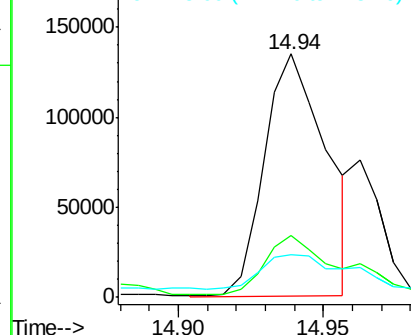
Tot Ion:	252	Resp:	201250
Ion Ratio	Lower	Upper	
252	100		
253	25.3	18.1	27.1
125	17.6	9.8	14.8#

Manual Integrations
APPROVED

mohammad
6/30/2017 2:52:30 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



#88

Benzo(k)fluoranthene

Concen: 4.29 ng m

RT: 14.96 min Scan# 2189

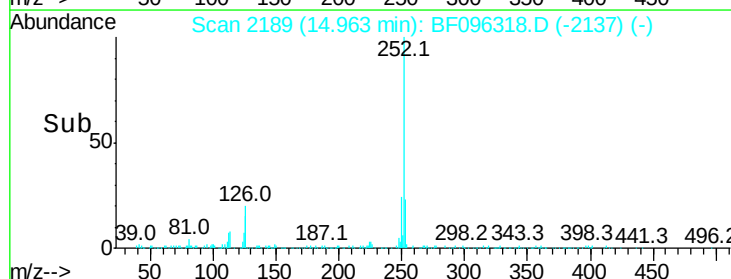
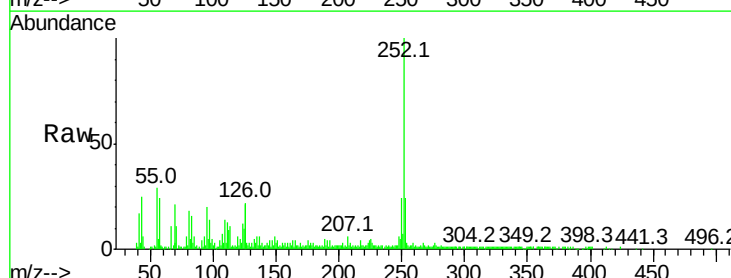
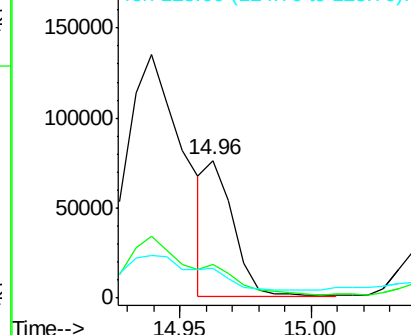
Delta R.T. 0.01 min

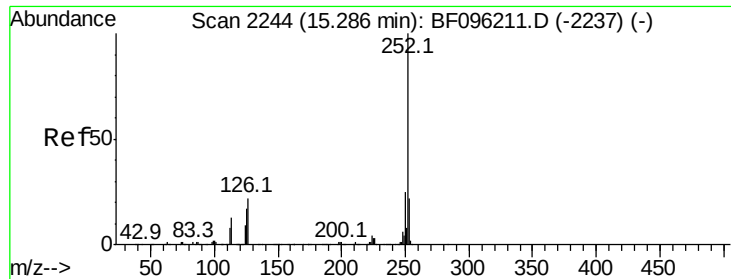
Lab File: BF096318.D

Acq: 30 Jun 2017 3:28

Tgt Ion:	252	Resp:	54555
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.4	27.6
125	21.5	13.1	19.7#

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





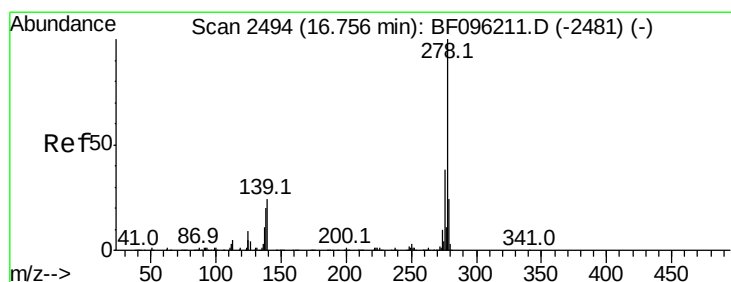
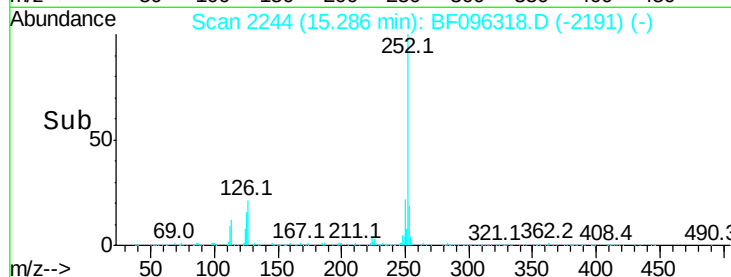
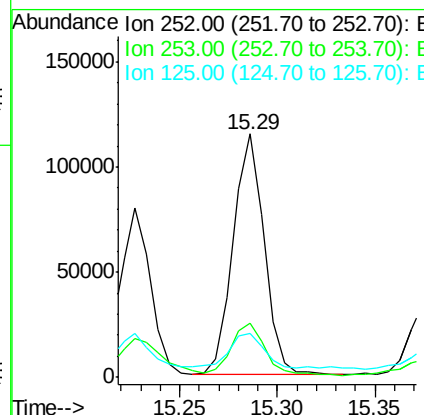
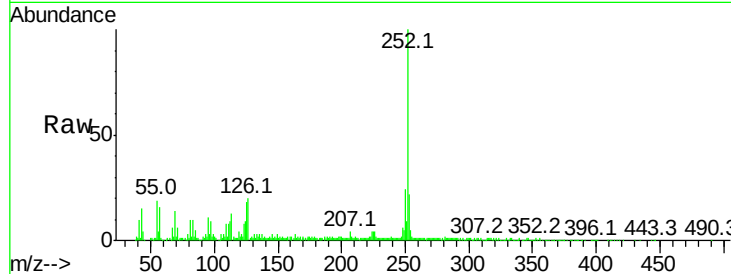
#89
Benzo(a)pyrene
Concen: 10.27 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF096318.D
Acq: 30 Jun 2017 3:28

Instrument :
BNA_F
ClientSampleId :
G41-0-1.5

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.1	17.5	26.3
125	18.1	11.0	16.4

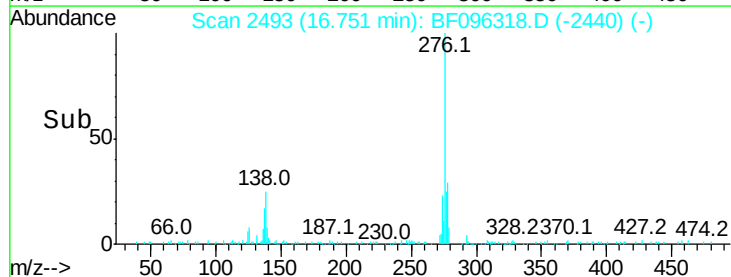
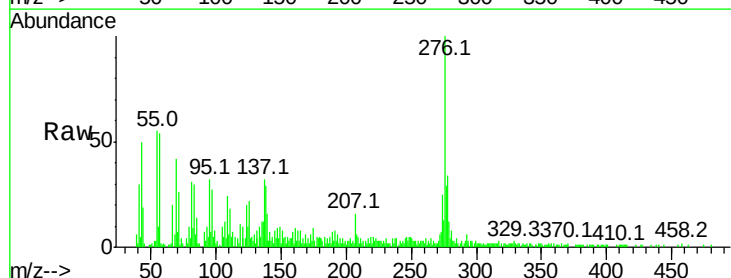
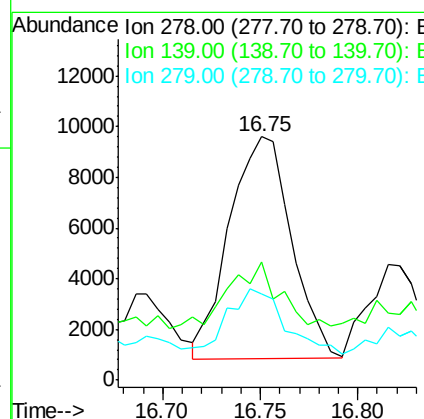
Manual Integrations
APPROVED

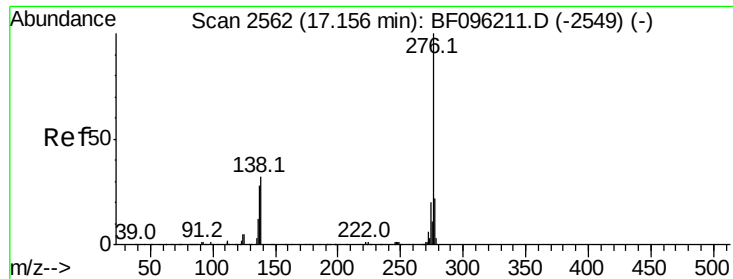
mohammad
6/30/2017 2:52:30 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.00 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.01 min
Lab File: BF096318.D
Acq: 30 Jun 2017 3:28

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	58.3	16.6	24.8
279	35.6	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 7.95 ng
 RT: 17.16 min Scan# 2562
 Delta R.T. 0.02 min
 Lab File: BF096318.D
 Acq: 30 Jun 2017 3:28

Instrument :
 BNA_F
 ClientSampleId :
 G41-0-1.5

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	25.1	18.6	28.0
138	32.3	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 6/30/2017 2:52:30 PM

