

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
 Data File : BF096190.D
 Acq On : 24 Jun 2017 15:04
 Operator : SJ/MA
 Sample : I3851-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-36-0-1.5

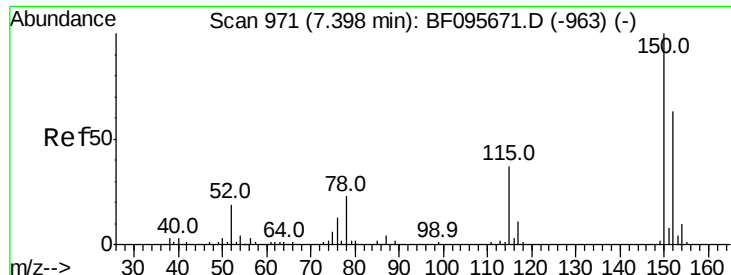
Manual Integrations
 APPROVED

mohammad
 6/29/2017 3:44:46 PM

Quant Time: Jun 26 02:31:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	61428	20.00	ng	-0.03
21) Naphthalene-d8	9.30	136	248359	20.00	ng	-0.03
38) Acenaphthene-d10	12.12	164	95279	20.00	ng	-0.04
63) Phenanthrene-d10	14.51	188	146923	20.00	ng	-0.03
75) Chrysene-d12	18.25	240	133324	20.00	ng	-0.02
86) Perylene-d12	19.93	264	98464	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	440600	114.29	ng	-0.04
7) Phenol-d6	6.84	99	550731	119.33	ng	-0.04
23) Nitrobenzene-d5	8.19	82	308100	77.04	ng	-0.04
41) 2,4,6-Tribromophenol	13.42	330	80676	95.70	ng	-0.04
44) 2-Fluorobiphenyl	11.07	172	454650	66.40	ng	-0.04
78) Terphenyl-d14	16.90	244	305133	56.80	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	11.77	163	65366	9.04	ng	99
70) Phenanthrene	14.55	178	30879	3.64	ng	97
74) Fluoranthene	16.34	202	63095	7.52	ng	99
77) Pyrene	16.65	202	61346	6.17	ng	98
80) Benzo(a)anthracene	18.24	228	32599	4.21	ng	# 90
82) Chrysene	18.29	228	36306	4.69	ng	# 90
83) Bis(2-ethylhexyl)phthalate	18.32	149	13410	2.19	ng	95
85) Indeno(1,2,3-cd)pyrene	21.11	276	15121	2.28	ng	95
87) Benzo(b)fluoranthene	19.53	252	46805m	7.59	ng	
88) Benzo(k)fluoranthene	19.56	252	13304m	2.26	ng	
89) Benzo(a)pyrene	19.88	252	21494	3.79	ng	# 82
91) Benzo(a,h,i)perylene	21.43	276	15322	3.13	ng	# 94

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



#1

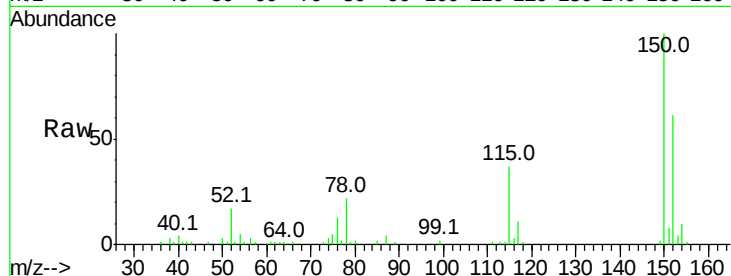
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 982
Delta R.T. -0.03 min
Lab File: BF096190.D
Acq: 24 Jun 2017 15:04

Instrument :
BNA_F
ClientSampleId :
G-36-0-1.5

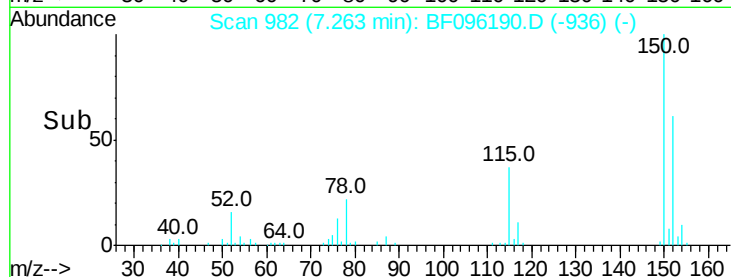
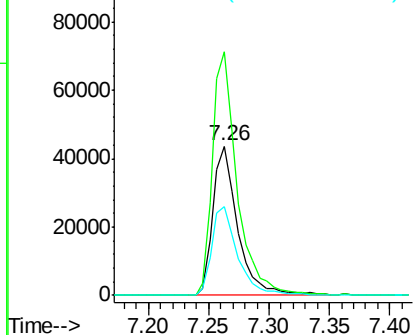
Tot Ion	Ratio	Lower	Upper
152	100		
150	163.1	126.2	189.2
115	59.7	52.2	78.2

Manual Integrations
APPROVED

mohammad
6/29/2017 3:44:46 PM



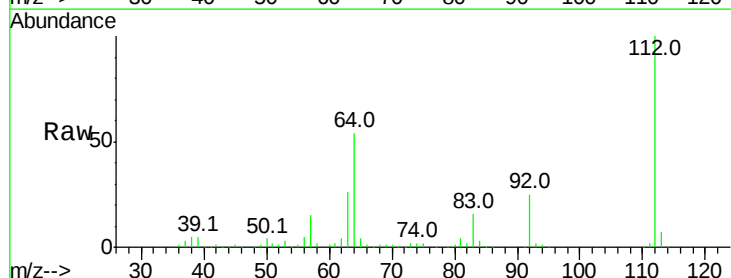
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



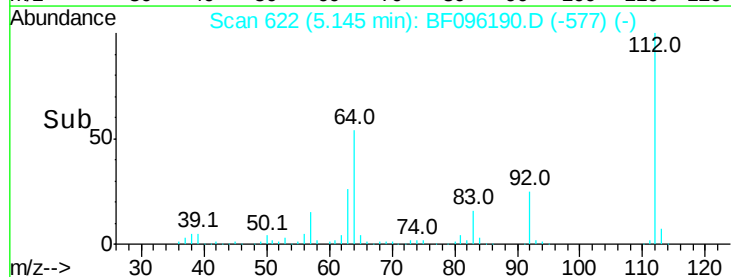
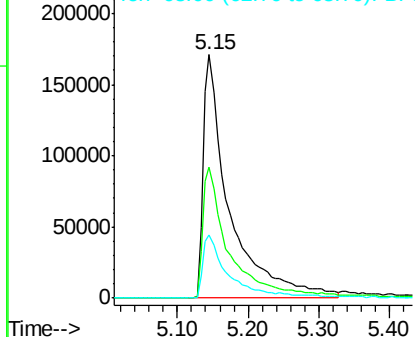
#5

2-Fluorophenol
Concen: 114.29 ng
RT: 5.15 min Scan# 622
Delta R.T. -0.04 min
Lab File: BF096190.D
Acq: 24 Jun 2017 15:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	46.0	69.0
63	25.9	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: 119.33 ng

RT: 6.84 min Scan# 910

Delta R.T. -0.04 min

Lab File: BF096190.D

Acq: 24 Jun 2017 15:04

Instrument :

BNA_F

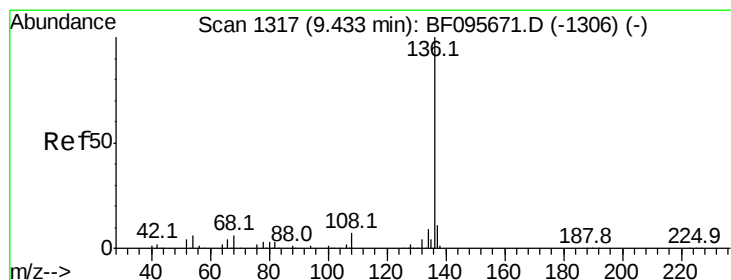
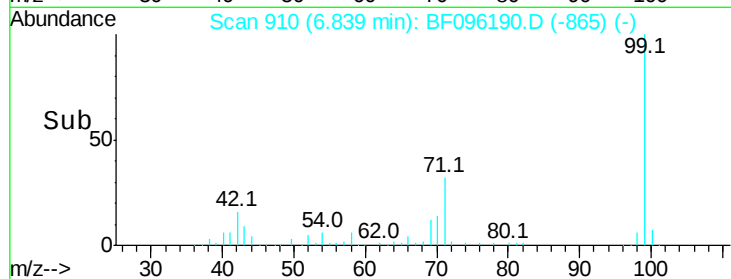
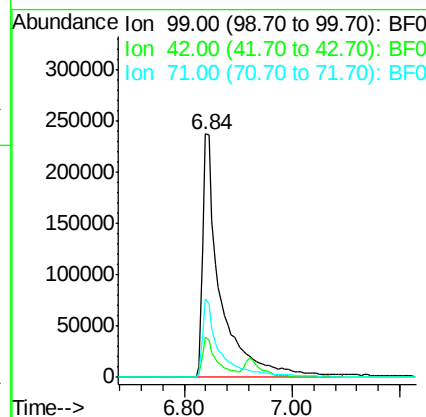
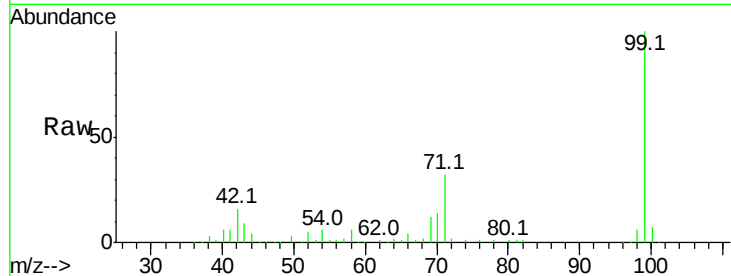
ClientSampleId :

G-36-0-1.5

Tot Ion:	99	Resp:	550731
Ion Ratio	Lower	Upper	
99	100		
42	16.4	13.5	20.3
71	32.2	24.5	36.7

Manual Integrations
APPROVED

mohammad
6/29/2017 3:44:46 PM



#21

Naphthalene-d8

Concen: 20.00 ng

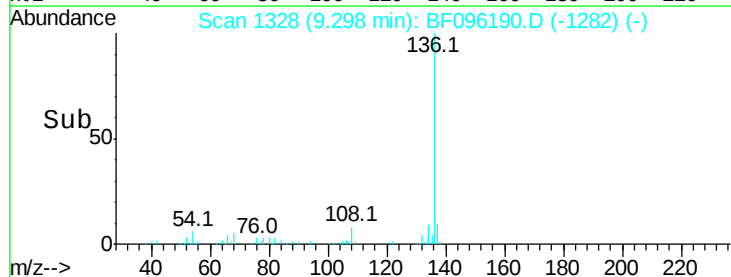
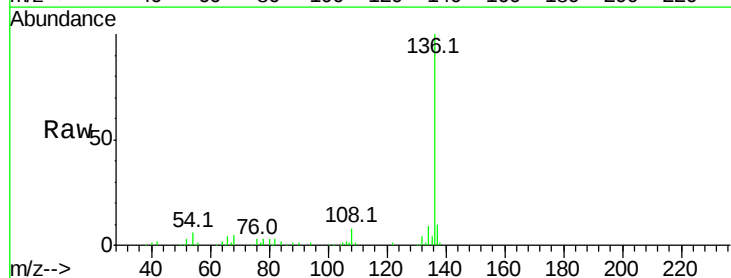
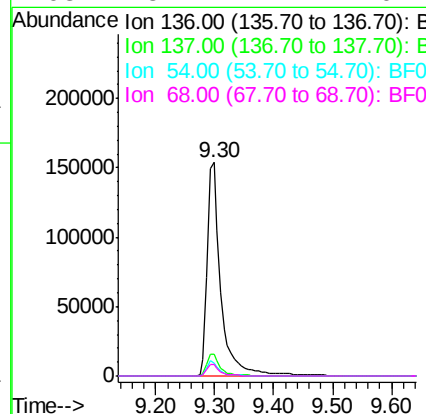
RT: 9.30 min Scan# 1328

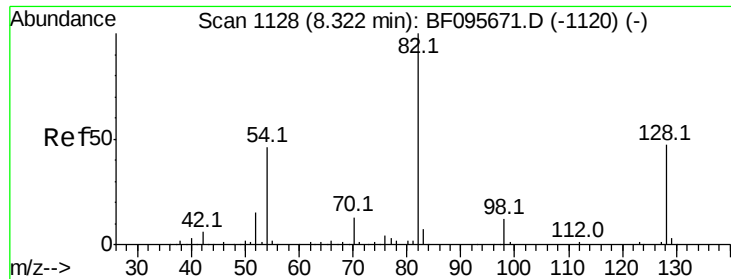
Delta R.T. -0.03 min

Lab File: BF096190.D

Acq: 24 Jun 2017 15:04

Tgt Ion:	136	Resp:	248359
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.5	12.7
54	6.1	4.9	7.3
68	5.4	4.1	6.1





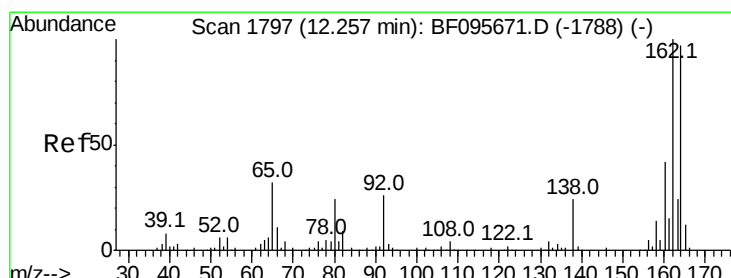
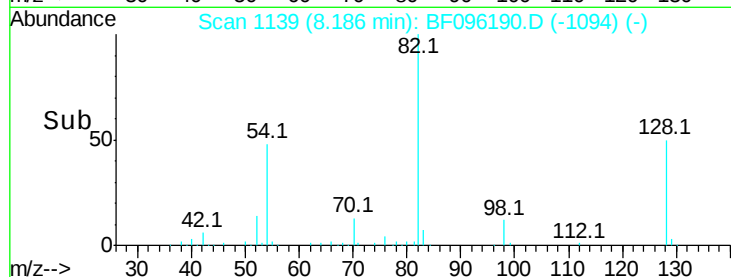
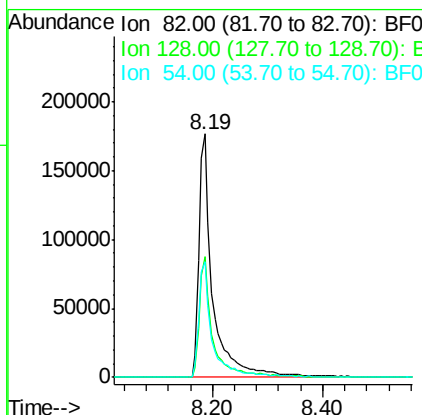
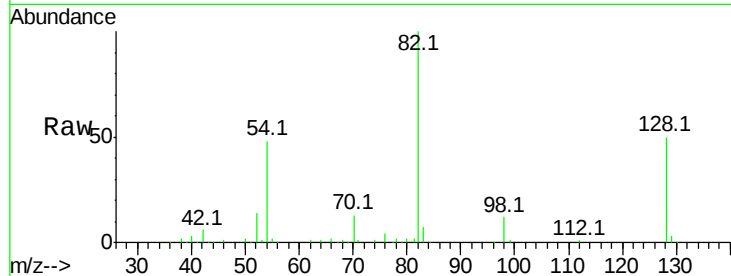
#23
 Nitrobenzene-d5
 Concen: 77.04 ng
 RT: 8.19 min Scan# 1139
 Delta R.T. -0.04 min
 Lab File: BF096190.D
 Acq: 24 Jun 2017 15:04

Instrument :
 BNA_F
 ClientSampleId :
 G-36-0-1.5

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.6	34.0	51.0
54	47.7	42.2	63.2

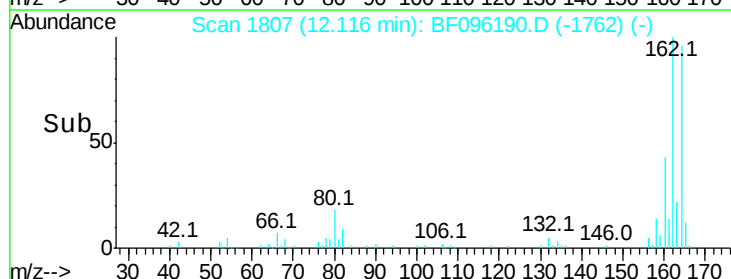
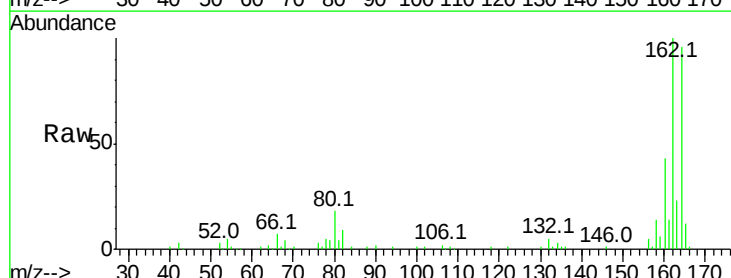
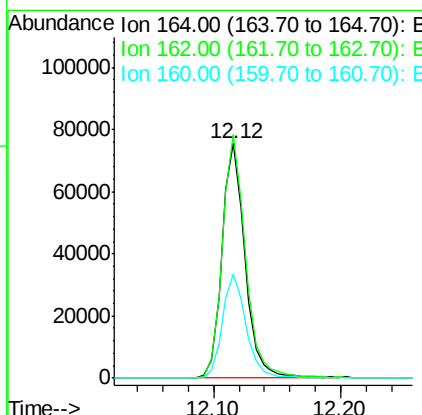
Manual Integrations
 APPROVED

mohammad
 6/29/2017 3:44:46 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.12 min Scan# 1807
 Delta R.T. -0.04 min
 Lab File: BF096190.D
 Acq: 24 Jun 2017 15:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.6	123.8
160	44.6	36.2	54.2





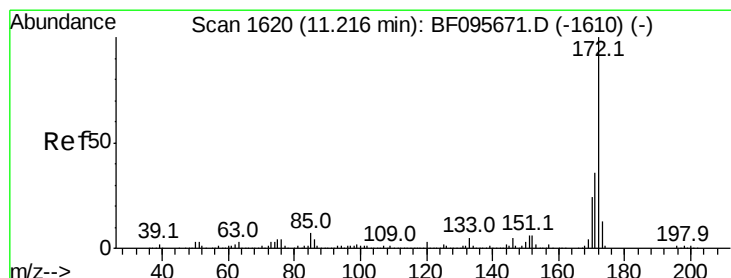
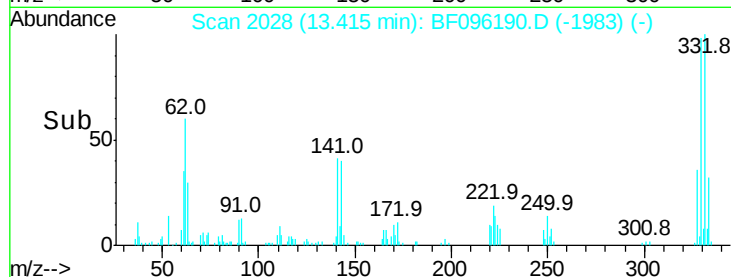
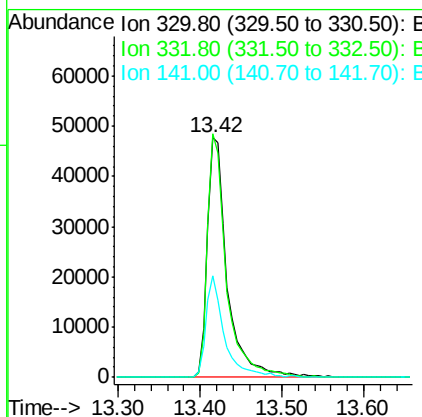
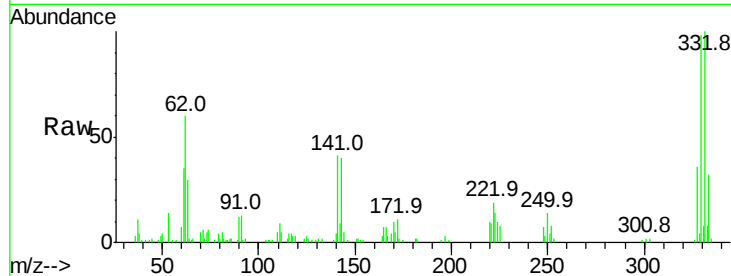
#41
 2,4,6-Tribromophenol
 Concen: 95.70 ng
 RT: 13.42 min Scan# 2028
 Delta R.T. -0.04 min
 Lab File: BF096190.D
 Acq: 24 Jun 2017 15:04

Instrument :
 BNA_F
 ClientSampleId :
 G-36-0-1.5

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	115.0
141	38.8	31.4	47.2

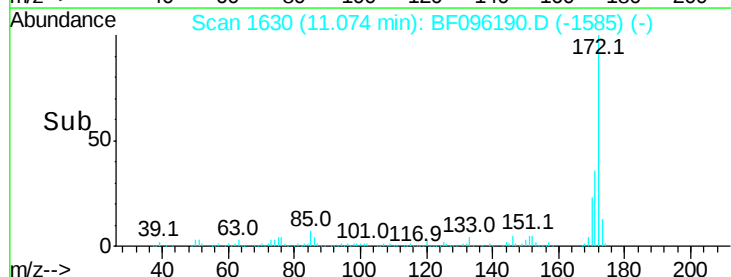
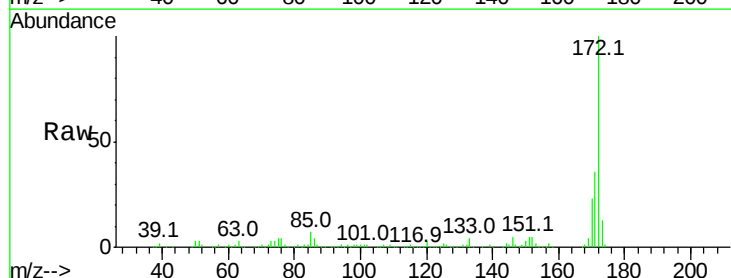
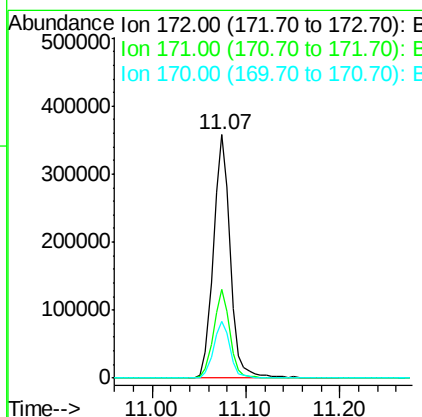
Manual Integrations
 APPROVED

mohammad
 6/29/2017 3:44:46 PM



#44
 2-Fluorobiphenyl
 Concen: 66.40 ng
 RT: 11.07 min Scan# 1630
 Delta R.T. -0.04 min
 Lab File: BF096190.D
 Acq: 24 Jun 2017 15:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.3	19.8	29.8





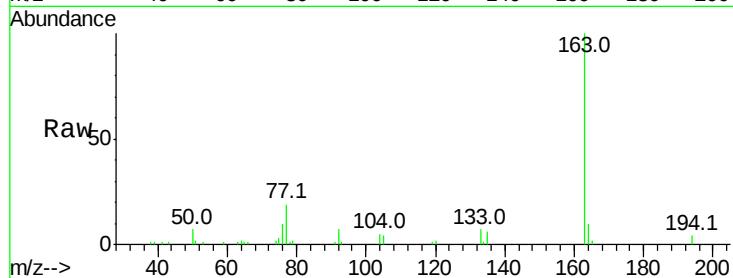
#49
Dimethylphthalate
Concen: 9.04 ng
RT: 11.77 min Scan# 1749
Delta R.T. -0.05 min
Lab File: BF096190.D
Acq: 24 Jun 2017 15:04

Instrument :
BNA_F
ClientSampleId :
G-36-0-1.5

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	4.0
164	10.0	8.4	12.6

Manual Integrations
APPROVED

mohammad
6/29/2017 3:44:46 PM

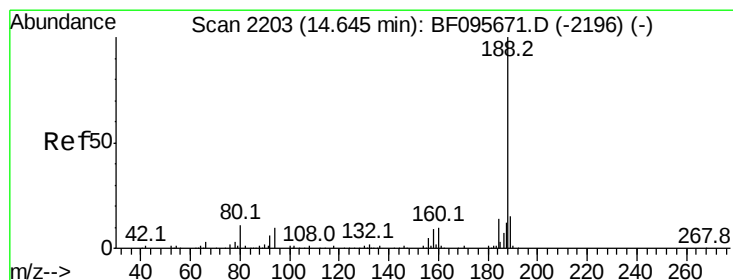
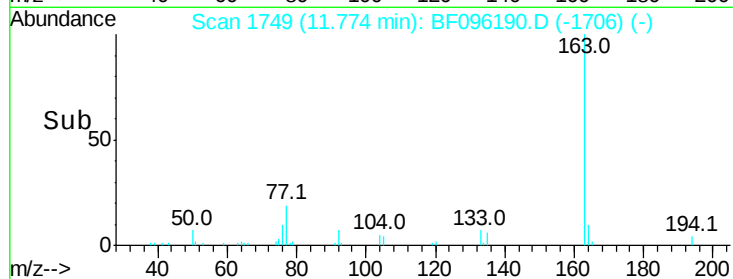
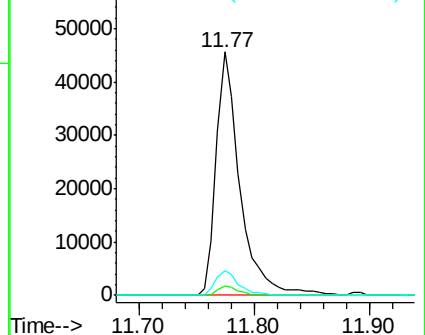


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.51 min Scan# 2214
Delta R.T. -0.03 min
Lab File: BF096190.D
Acq: 24 Jun 2017 15:04

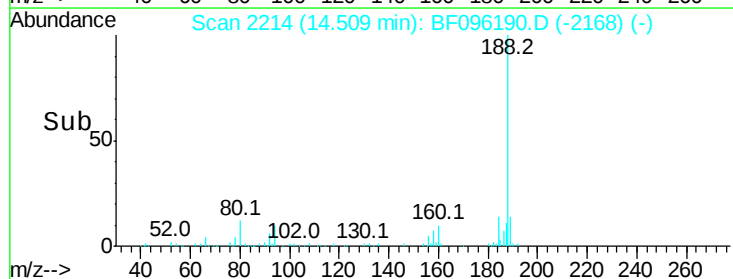
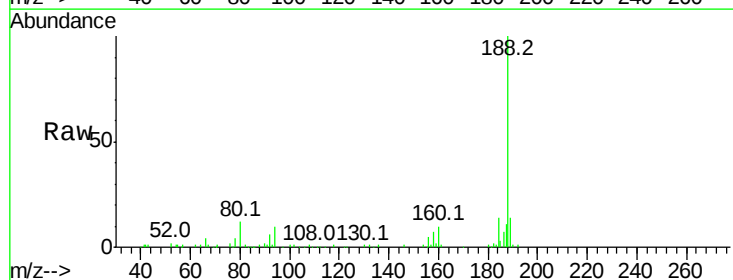
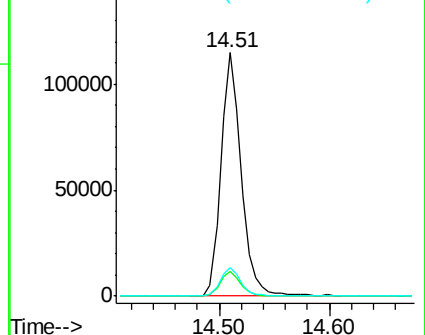
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	9.4	14.2
80	11.5	10.2	15.2

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





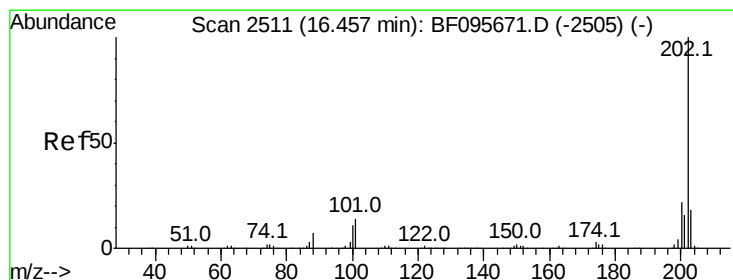
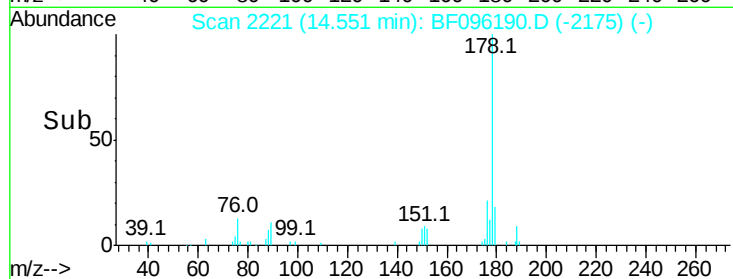
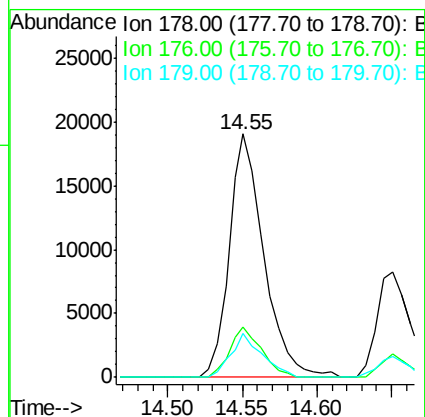
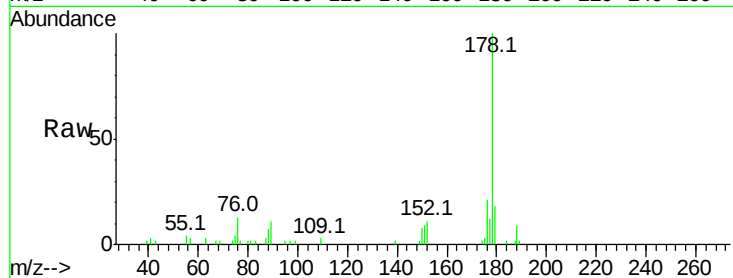
#70
Phenanthrene
Concen: 3.64 ng
RT: 14.55 min Scan# 2221
Delta R.T. -0.03 min
Lab File: BF096190.D
Acq: 24 Jun 2017 15:04

Instrument :
BNA_F
ClientSampleId :
G-36-0-1.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.8	16.2	24.4
179	17.9	12.6	19.0

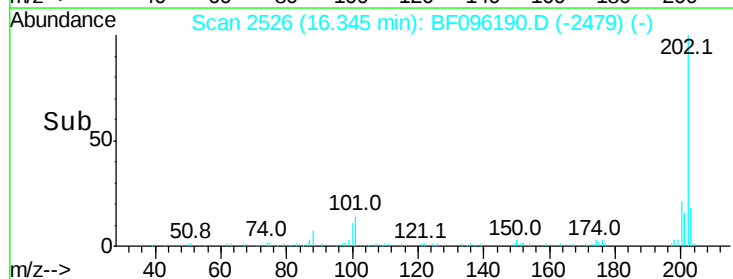
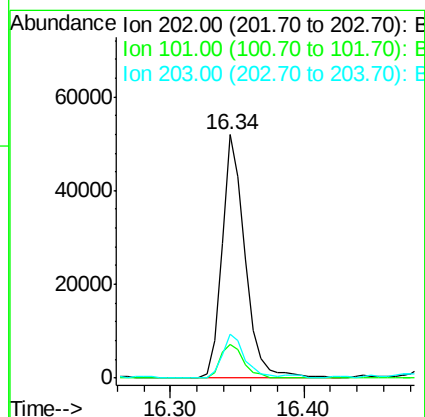
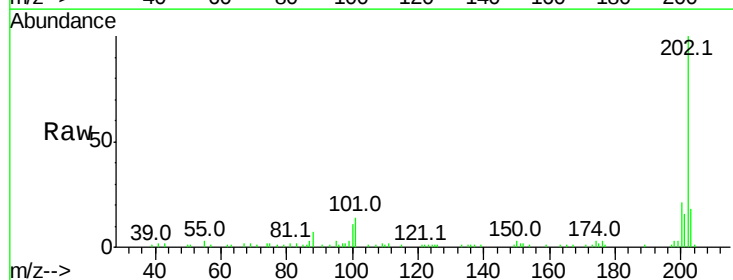
Manual Integrations
APPROVED

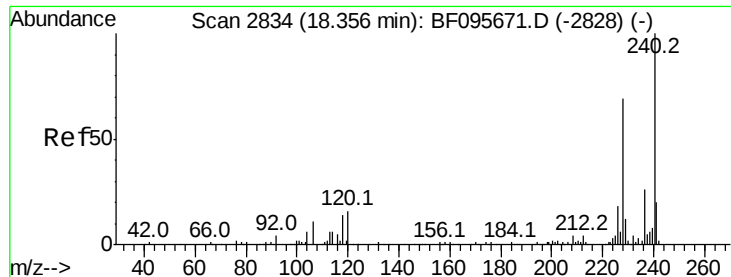
mohammad
6/29/2017 3:44:46 PM



#74
Fluoranthene
Concen: 7.52 ng
RT: 16.34 min Scan# 2526
Delta R.T. -0.02 min
Lab File: BF096190.D
Acq: 24 Jun 2017 15:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	33.2
203	18.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.25 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BF096190.D

Acq: 24 Jun 2017 15:04

Instrument :

BNA_F

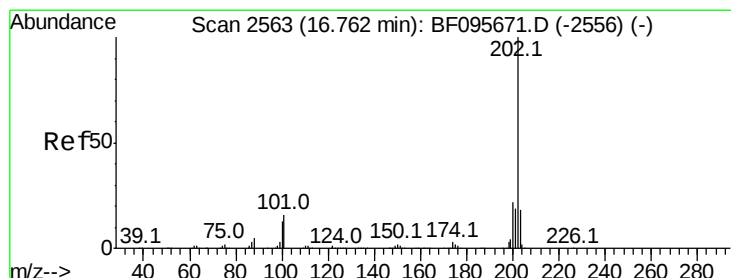
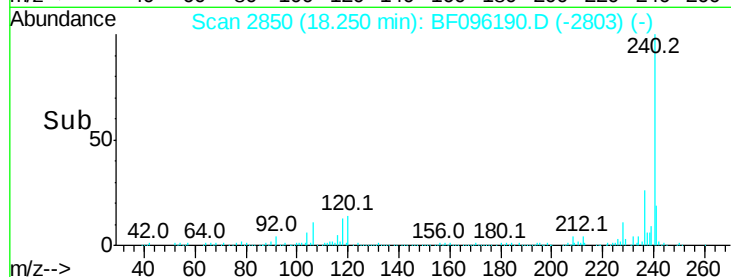
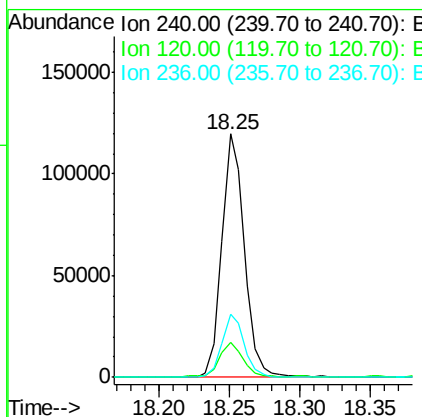
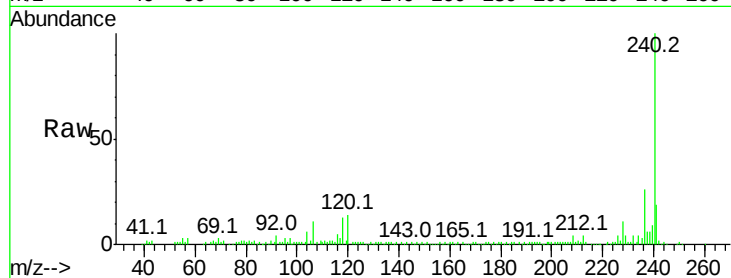
ClientSampleId :

G-36-0-1.5

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.4	5.8	8.8#
236	25.8	20.5	30.7

Manual Integrations
APPROVED

mohammad
6/29/2017 3:44:46 PM



#77

Pyrene

Concen: 6.17 ng

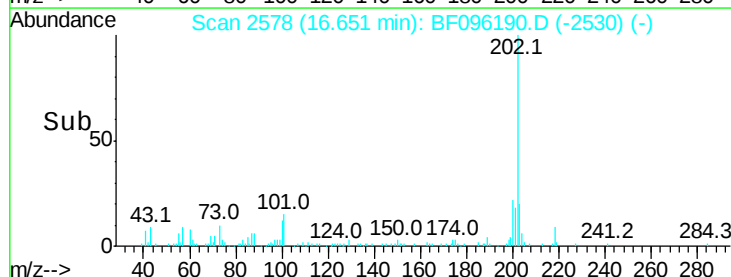
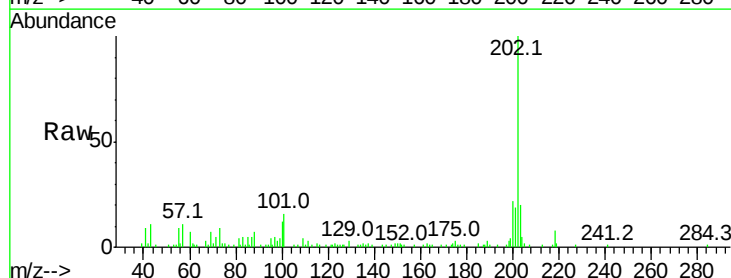
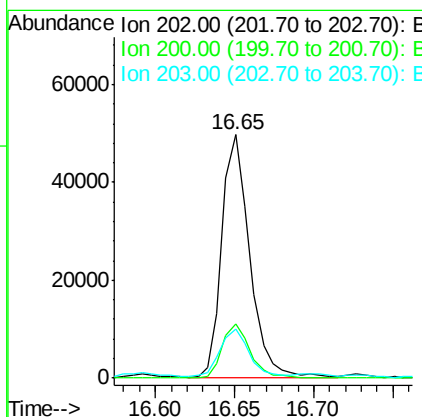
RT: 16.65 min Scan# 2578

Delta R.T. -0.02 min

Lab File: BF096190.D

Acq: 24 Jun 2017 15:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.6	26.4
203	20.0	14.4	21.6





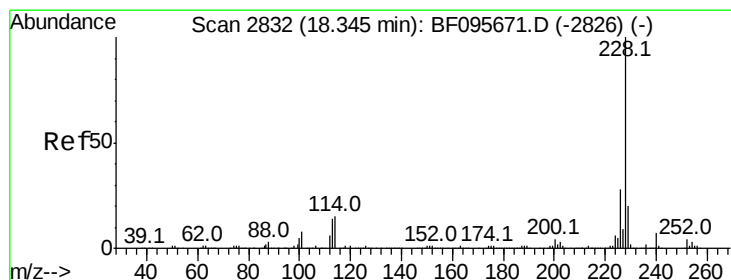
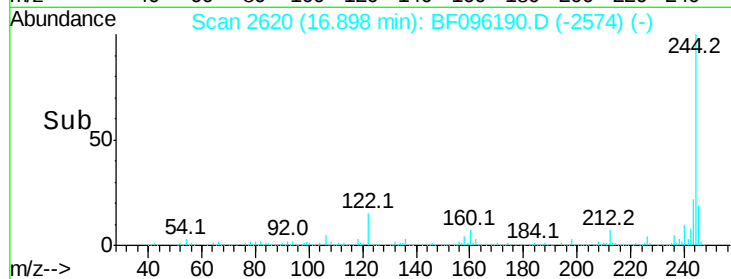
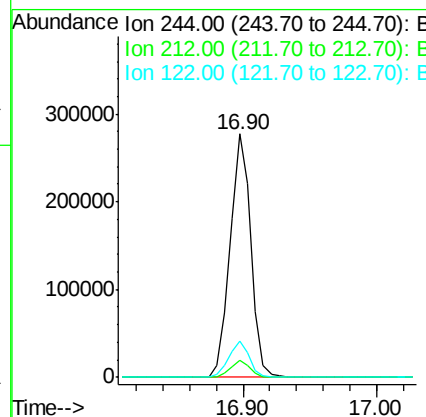
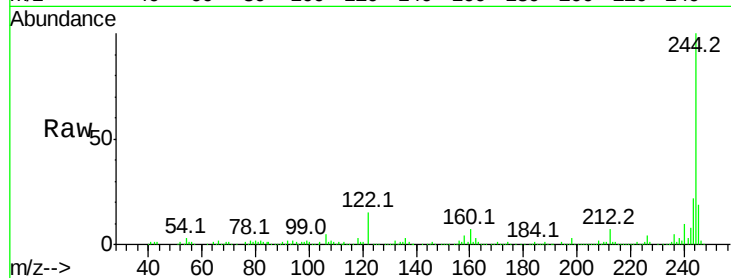
#78
 Terphenyl-d14
 Concen: 56.80 ng
 RT: 16.90 min Scan# 2620
 Delta R.T. -0.03 min
 Lab File: BF096190.D
 Acq: 24 Jun 2017 15:04

Instrument :
 BNA_F
 ClientSampleId :
 G-36-0-1.5

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	15.0	10.3	15.5

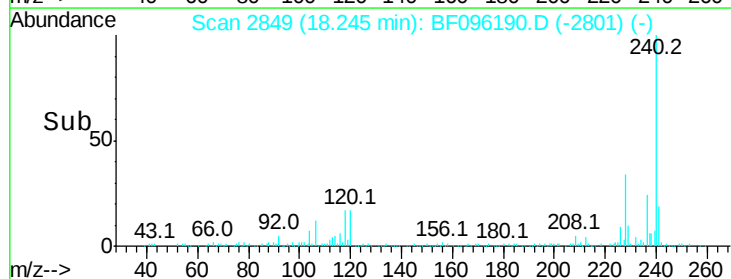
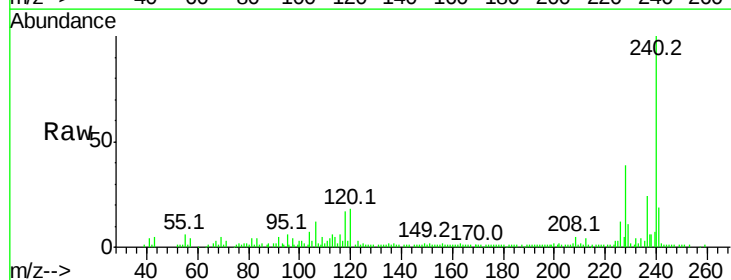
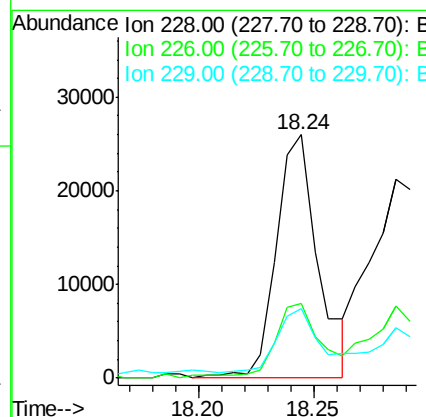
Manual Integrations
 APPROVED

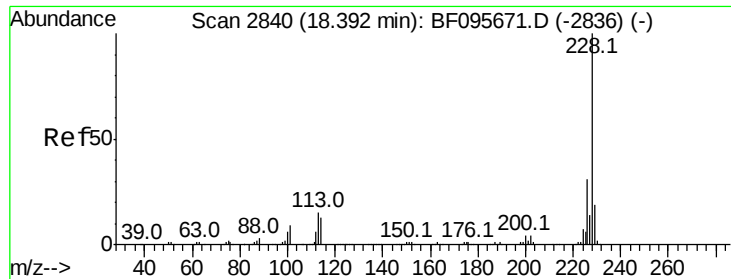
mohammad
 6/29/2017 3:44:46 PM



#80
 Benzo(a)anthracene
 Concen: 4.21 ng
 RT: 18.24 min Scan# 2849
 Delta R.T. -0.02 min
 Lab File: BF096190.D
 Acq: 24 Jun 2017 15:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	33.8
229	28.5	16.3	24.5





#82

Chrysene

Concen: 4.69 ng

RT: 18.29 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BF096190.D

Acq: 24 Jun 2017 15:04

Instrument :

BNA_F

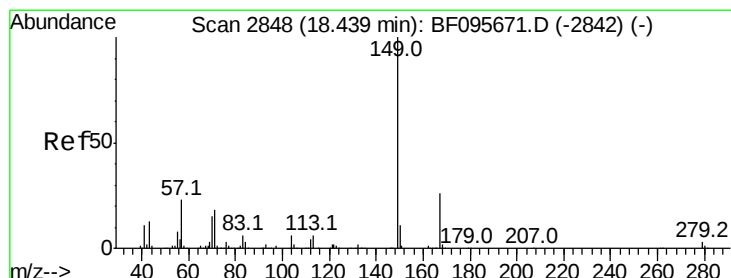
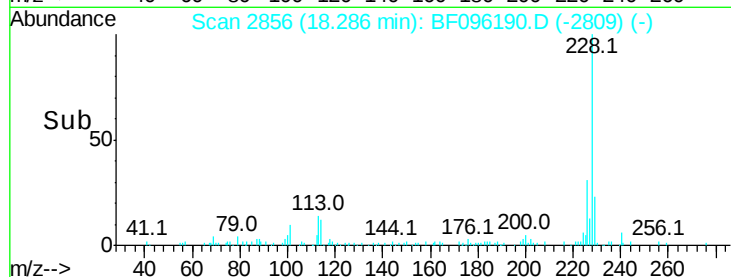
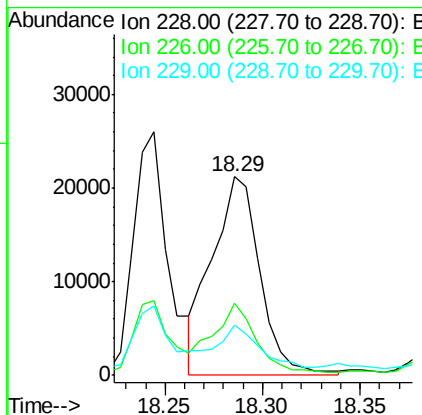
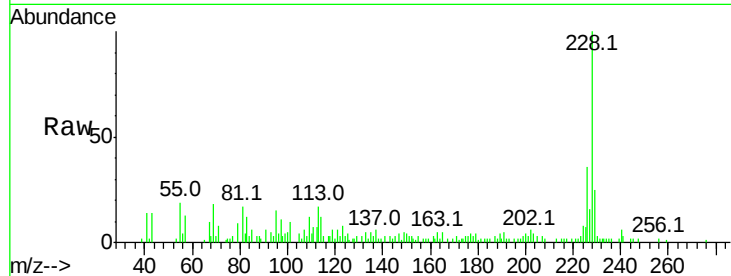
ClientSampleId :

G-36-0-1.5

Tot Ion:	228	Resp:	36306
Ion Ratio	Lower	Upper	
228	100		
226	36.1	24.9	37.3
229	25.4	15.8	23.6

Manual Integrations
APPROVED

mohammad
6/29/2017 3:44:46 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.19 ng

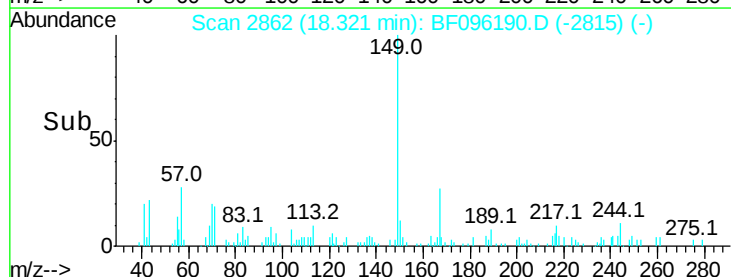
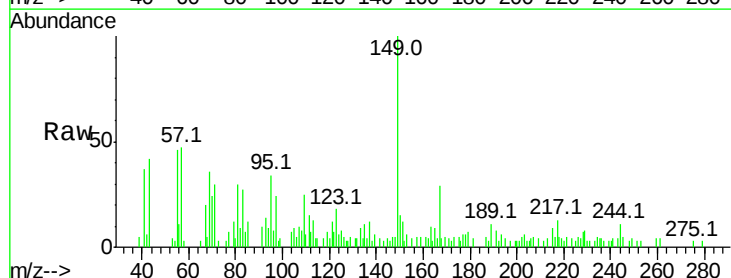
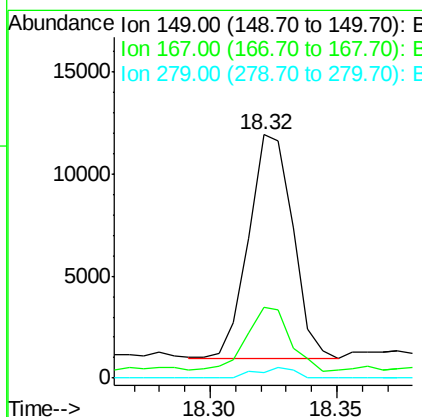
RT: 18.32 min Scan# 2862

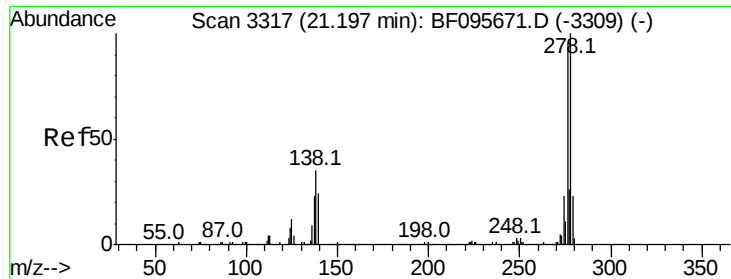
Delta R.T. -0.02 min

Lab File: BF096190.D

Acq: 24 Jun 2017 15:04

Tgt Ion:	149	Resp:	13410
Ion Ratio	Lower	Upper	
149	100		
167	29.0	21.0	31.4
279	2.5	1.9	2.9





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.28 ng

RT: 21.11 min Scan# 3336

Delta R.T. 0.01 min

Lab File: BF096190.D

Acq: 24 Jun 2017 15:04

Instrument :

BNA_F

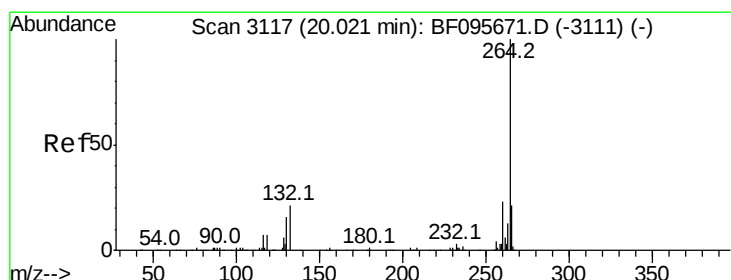
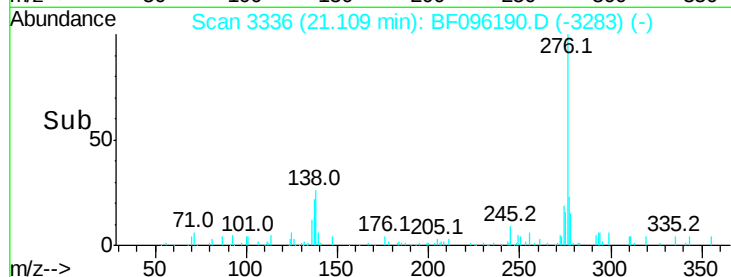
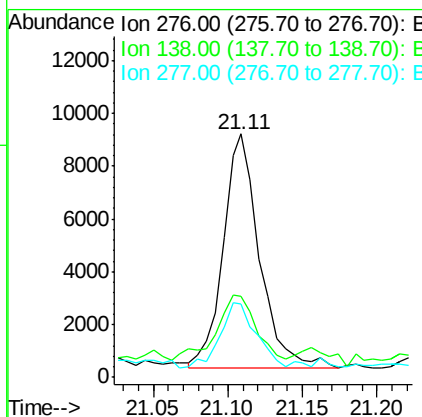
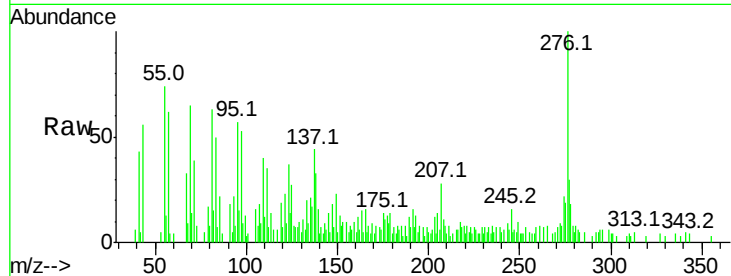
ClientSampleId :

G-36-0-1.5

Tot Ion:	276	Resp:	15121
Ion Ratio	Lower	Upper	
276	100		
138	31.1	27.8	41.6
277	27.4	20.2	30.4

Manual Integrations
APPROVED

mohammad
6/29/2017 3:44:46 PM



#86

Perylene-d12

Concen: 20.00 ng

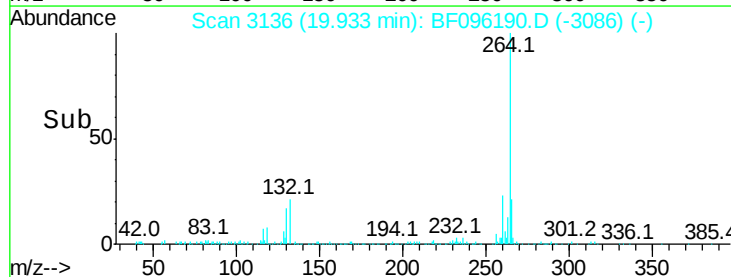
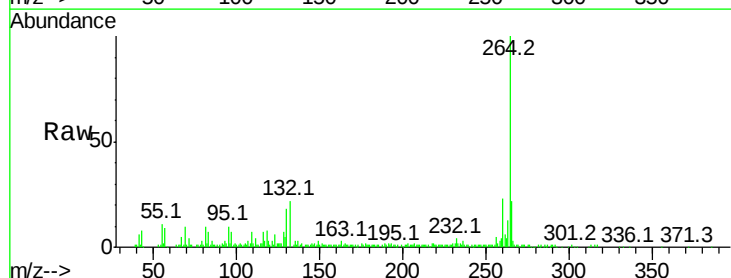
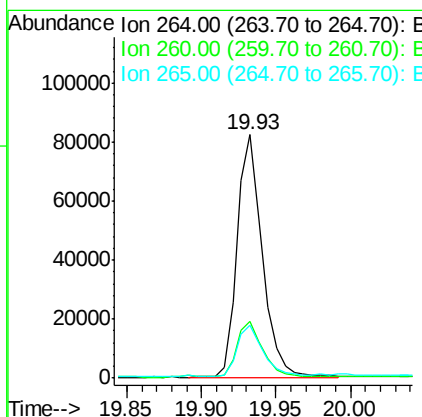
RT: 19.93 min Scan# 3136

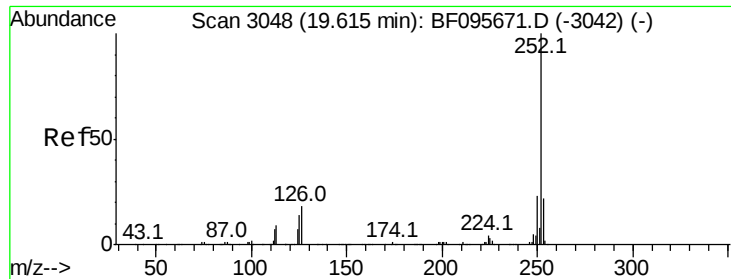
Delta R.T. -0.01 min

Lab File: BF096190.D

Acq: 24 Jun 2017 15:04

Tgt Ion:	264	Resp:	98464
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.5	29.3
265	21.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 7.59 ng m

RT: 19.53 min Scan# 3068

Delta R.T. -0.01 min

Lab File: BF096190.D

Acq: 24 Jun 2017 15:04

Instrument :

BNA_F

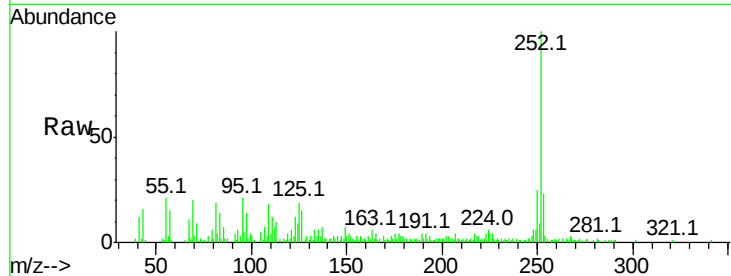
ClientSampleId :

G-36-0-1.5

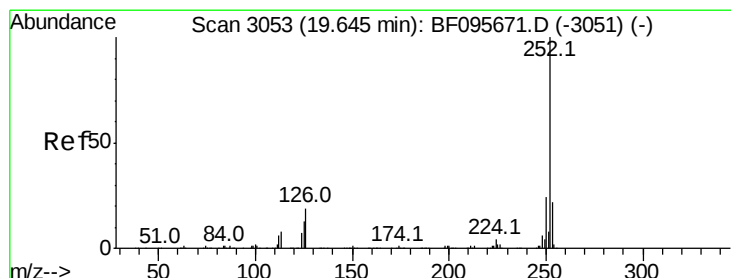
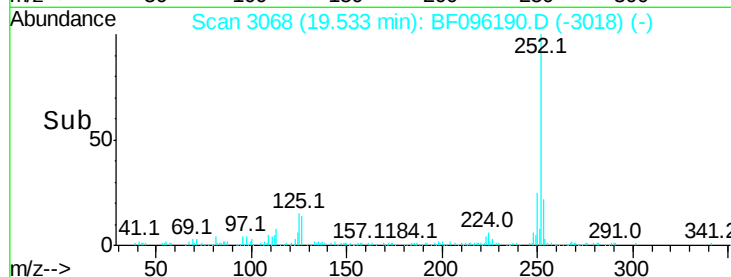
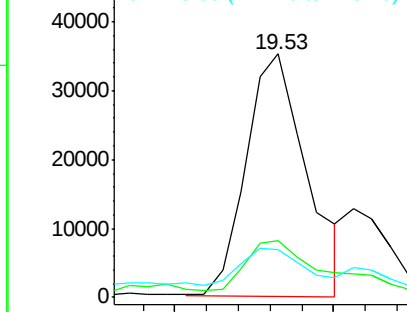
Tot Ion:	252	Resp:	46805
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.1	27.1
125	19.5	9.8	14.8#

Manual Integrations
APPROVED

mohammad
6/29/2017 3:44:46 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: 2.26 ng m

RT: 19.56 min Scan# 3072

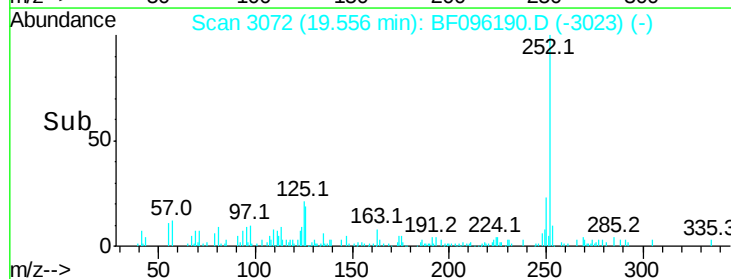
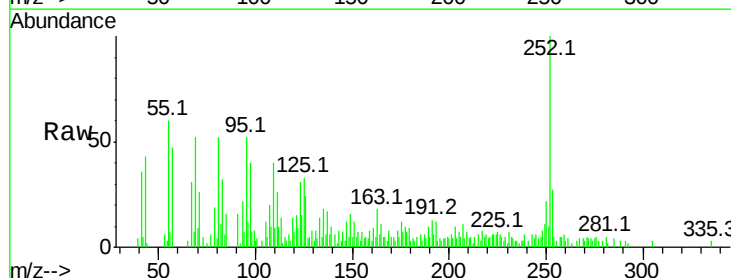
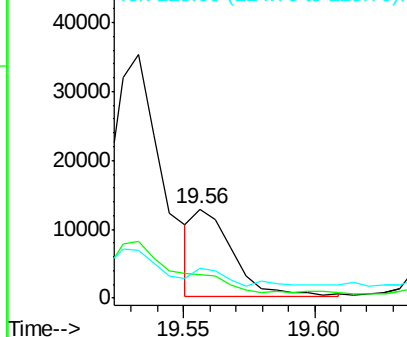
Delta R.T. -0.01 min

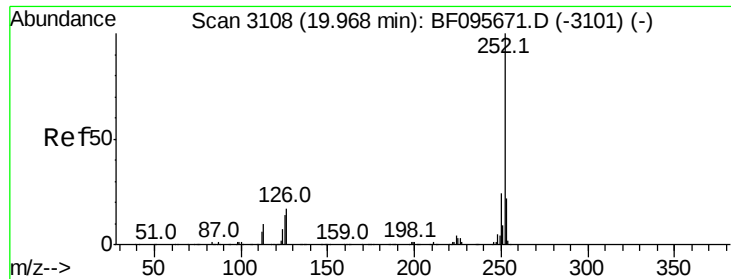
Lab File: BF096190.D

Acq: 24 Jun 2017 15:04

Tgt Ion:	252	Resp:	13304
Ion Ratio	Lower	Upper	
252	100		
253	26.6	18.4	27.6
125	32.9	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





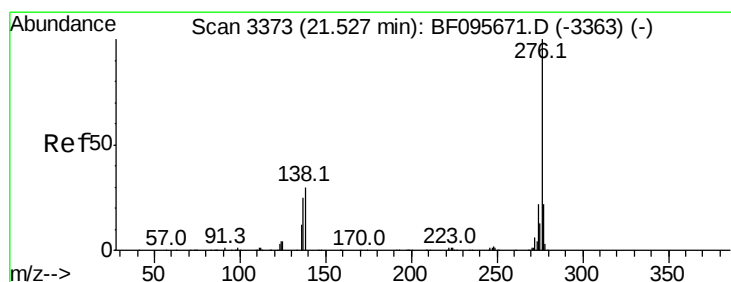
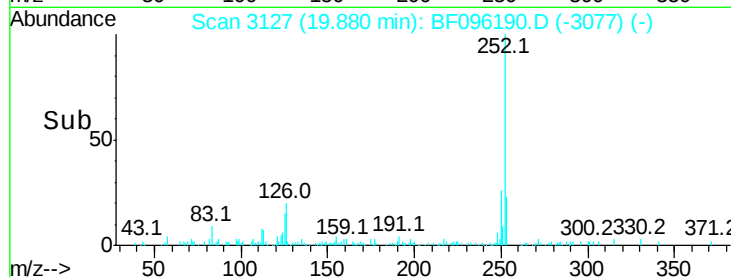
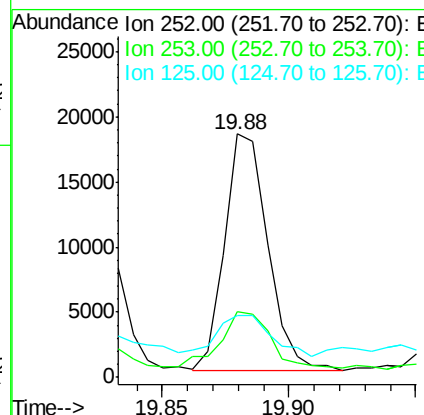
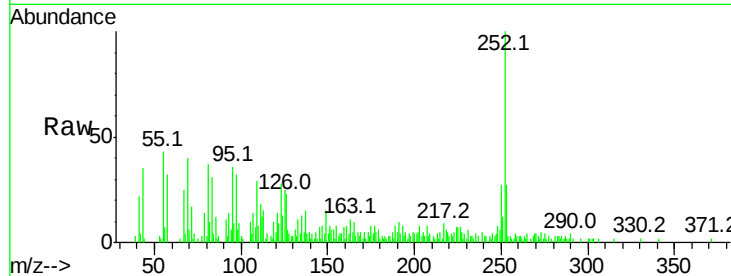
#89
Benzo(a)pyrene
Concen: 3.79 ng
RT: 19.88 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BF096190.D
Acq: 24 Jun 2017 15:04

Instrument :
BNA_F
ClientSampleId :
G-36-0-1.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.5	26.3#
125	25.3	11.0	16.4#

Manual Integrations
APPROVED

mohammad
6/29/2017 3:44:46 PM



#91
Benzo(g,h,i)perylene
Concen: 3.13 ng
RT: 21.43 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BF096190.D
Acq: 24 Jun 2017 15:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.8	18.6	28.0#
138	33.2	25.4	38.0

