

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
 Data File : BG042368.D
 Acq On : 20 Aug 2019 21:52
 Operator : HP/JU
 Sample : K4386-20
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T6-B-(0-2)

Manual Integrations
 APPROVED

mohammad
 8/22/2019 12:49:20 PM

Quant Time: Aug 21 05:34:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 13:40:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	71807	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	275583	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	197811	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	391975	20.00	ng	0.00
76) Chrysene-d12	21.69	240	407826	20.00	ng	0.00
87) Perylene-d12	24.94	264	483260	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	369481	104.25	ng	0.00
7) Phenol-d6	7.17	99	518186	107.66	ng	0.00
23) Nitrobenzene-d5	9.17	82	293782	74.98	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	274771	101.99	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	719783	61.57	ng	0.00
79) Terphenyl-d14	20.03	244	1041893	55.96	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.25	79	28024	8.466	ng	96
50) Dimethylphthalate	14.11	163	47486	3.378	ng	98
71) Phenanthrene	17.46	178	235513	12.064	ng	98
72) Anthracene	17.55	178	53448	2.745	ng	97
75) Fluoranthene	19.47	202	418989	17.798	ng	99
78) Pyrene	19.83	202	381819	15.215	ng	98
81) Benzo(a)anthracene	21.67	228	220049	8.786	ng	97
83) Chrysene	21.74	228	197498	8.243	ng	97
84) Bis(2-ethylhexyl)phthalate	21.58	149	41189	2.970	ng	98
86) Indeno(1,2,3-cd)pyrene	28.63	276	145238	4.540	ng	97
88) Benzo(b)fluoranthene	23.90	252	280603	10.564	ng	99
89) Benzo(k)fluoranthene	23.96	252	110125m	4.241	ng	
90) Benzo(a)pyrene	24.78	252	205286	8.065	ng	95
92) Benzo(a,h,i)perylene	29.79	276	145403	5.746	ng	97

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

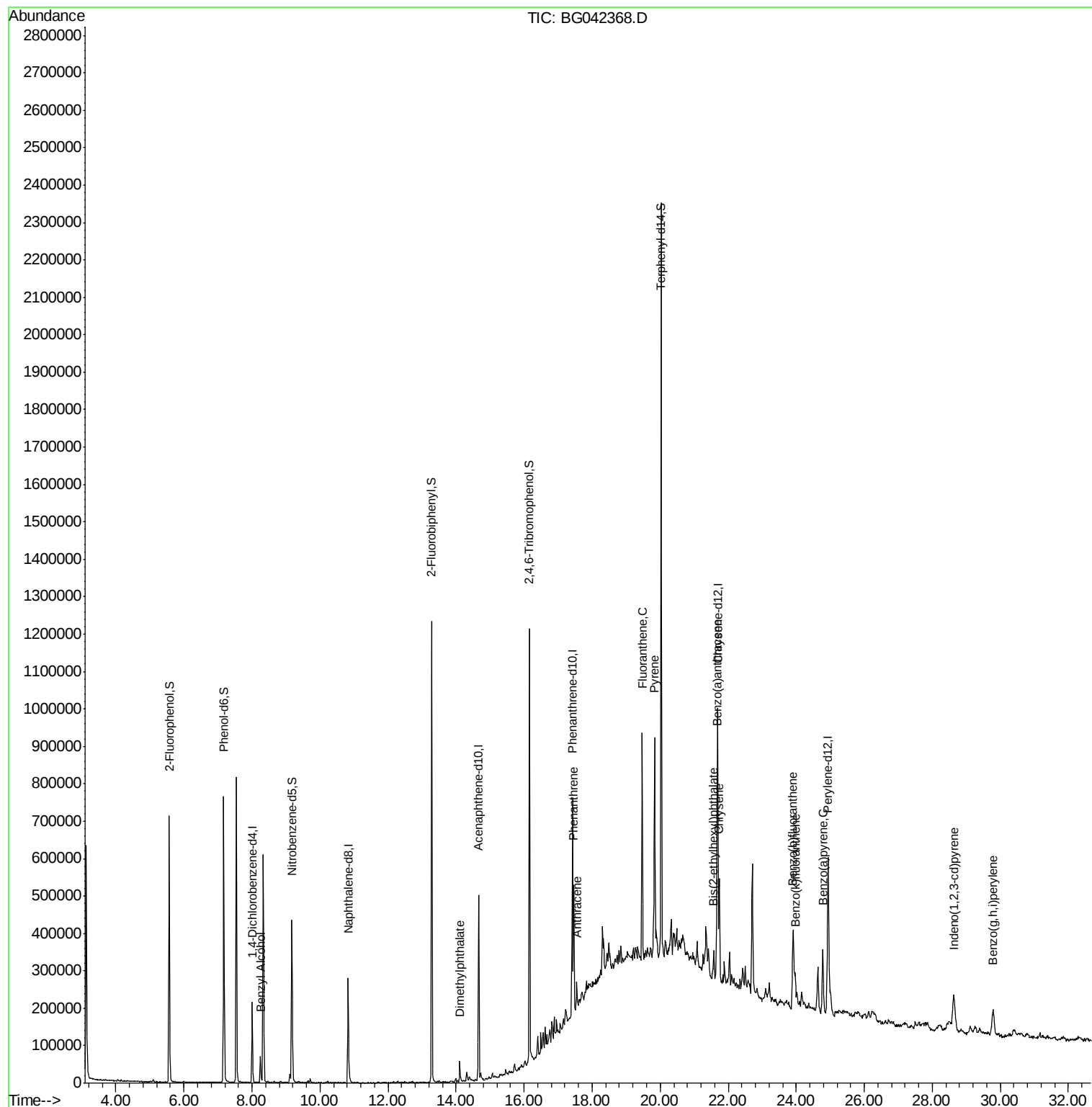
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
Data File : BG042368.D
Acq On : 20 Aug 2019 21:52
Operator : HP/JU
Sample : K4386-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

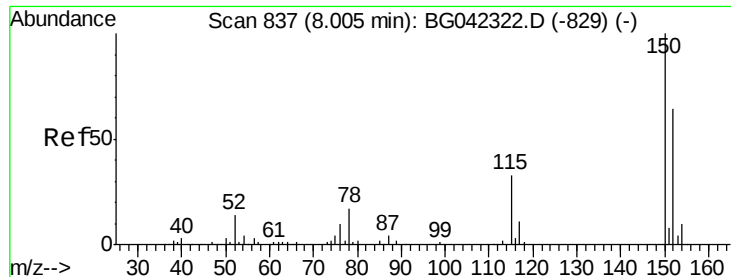
Instrument :
BNA_G
ClientSampleId :
T6-B-(0-2)

Quant Time: Aug 21 05:34:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 13:40:37 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
8/22/2019 12:49:20 PM





#1

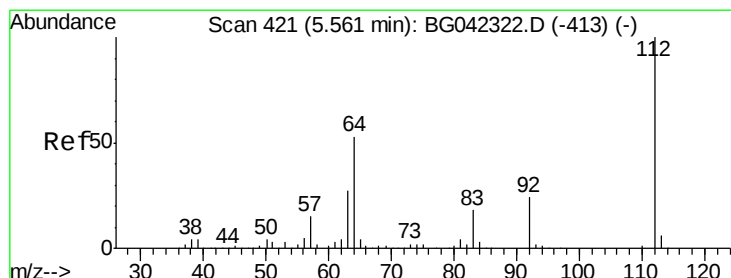
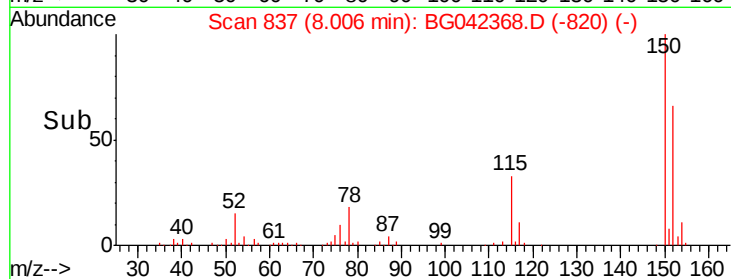
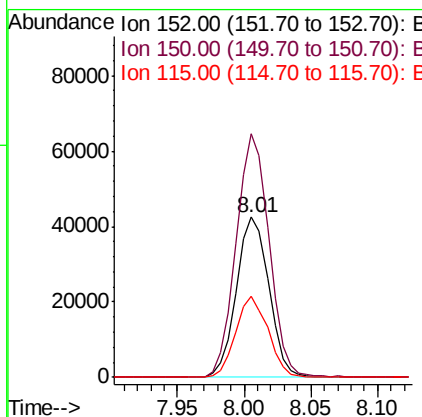
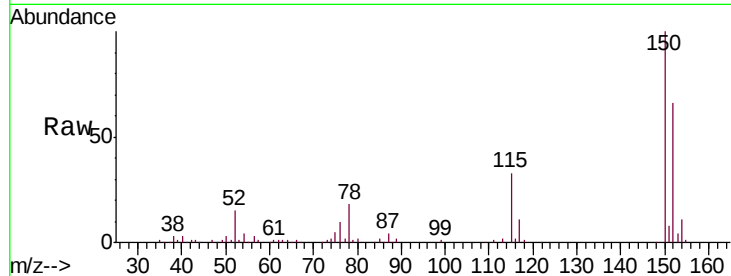
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Instrument :
BNA_G
ClientSampleId :
T6-B-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	124.3	186.5
115	50.4	40.5	60.7

Manual Integrations
APPROVED

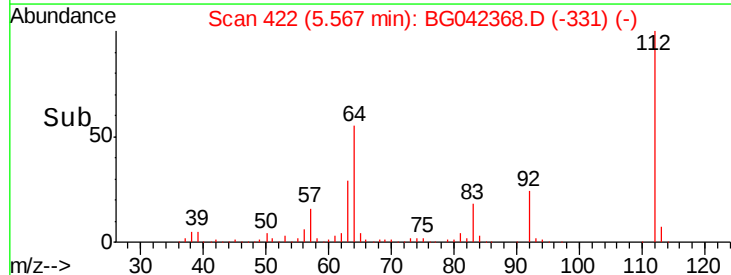
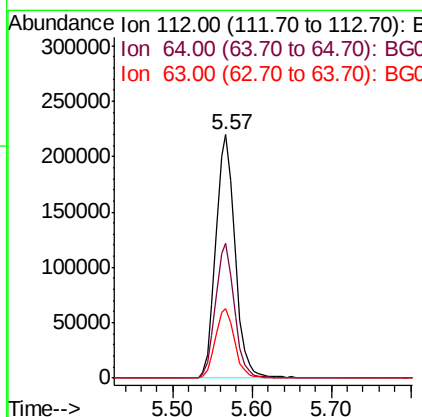
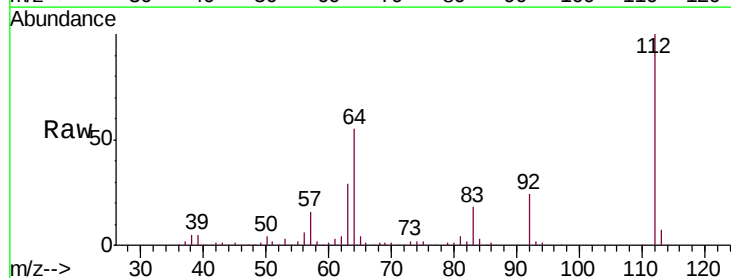
mohammad
8/22/2019 12:49:20 PM

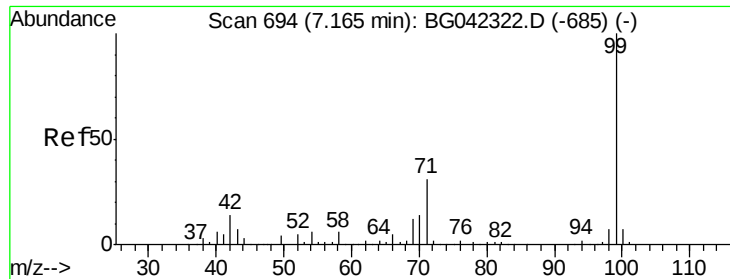


#5

2-Fluorophenol
Concen: 104.252 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.01 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	42.5	63.7
63	28.6	21.7	32.5





#7

Phenol-d6

Concen: 107.657 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042368.D

Acq: 20 Aug 2019 21:52

Instrument :

BNA_G

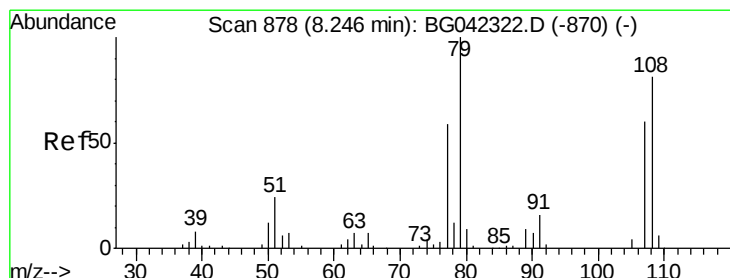
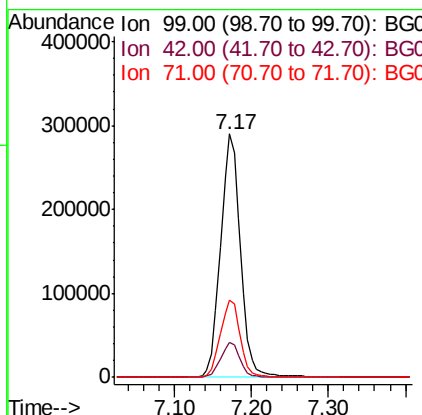
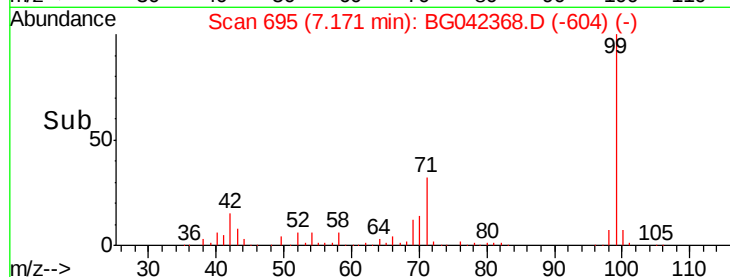
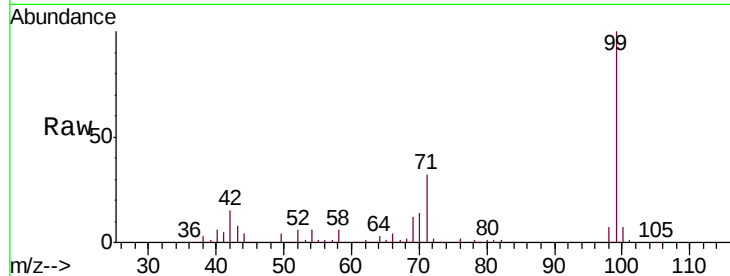
ClientSampleId :

T6-B-(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		518186		
42	14.5	11.4	17.0		
71	31.6	25.1	37.7		

Manual Integrations
APPROVED

mohammad
8/22/2019 12:49:20 PM



#15

Benzyl Alcohol

Concen: 8.466 ng

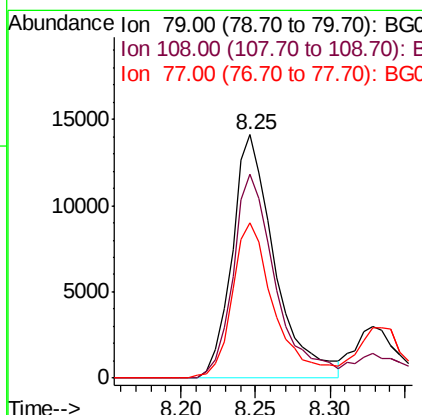
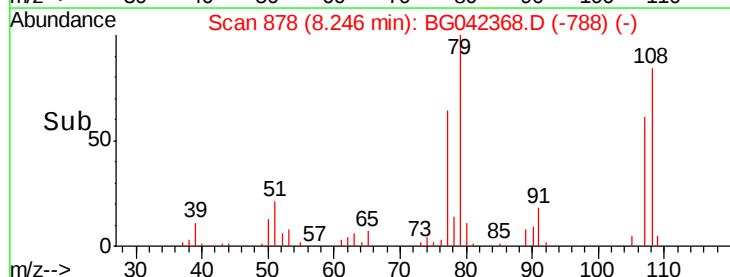
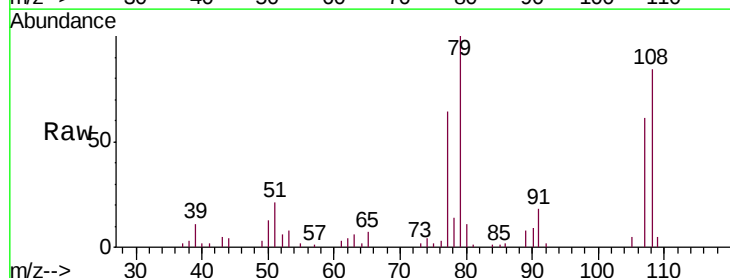
RT: 8.25 min Scan# 878

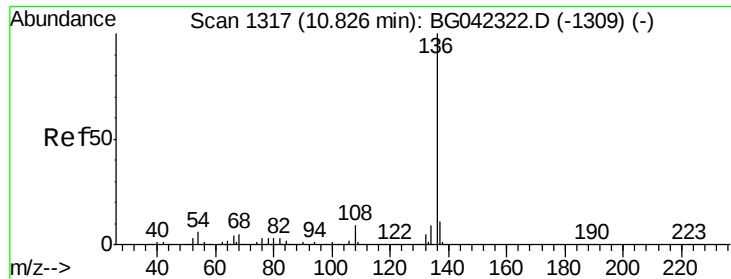
Delta R.T. 0.00 min

Lab File: BG042368.D

Acq: 20 Aug 2019 21:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
79	100		28024		
108	83.8	64.8	97.2		
77	63.7	47.6	71.4		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BG042368.D

Acq: 20 Aug 2019 21:52

Instrument :

BNA_G

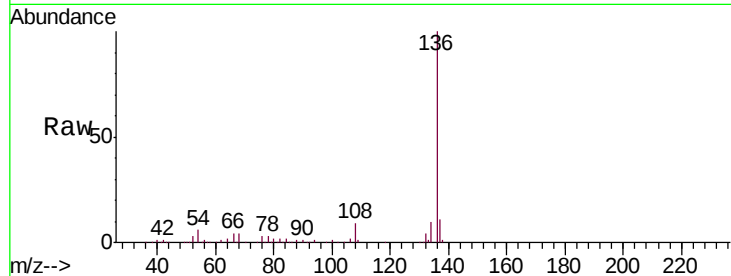
ClientSampleId :

T6-B-(0-2)

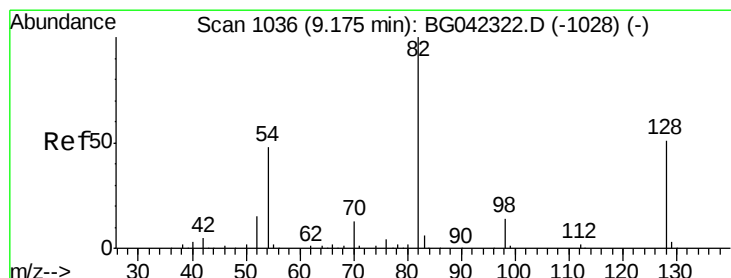
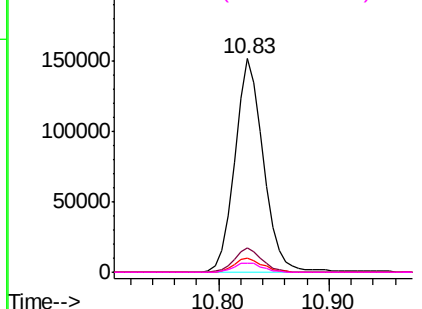
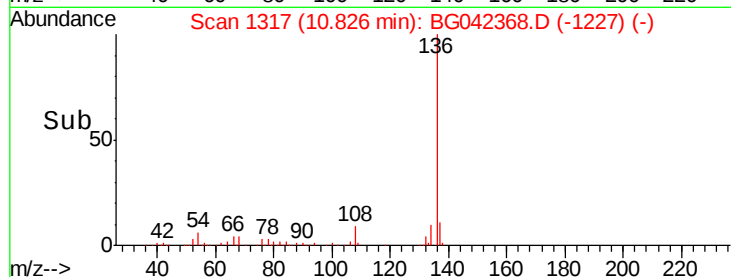
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.4	12.6
54	6.4	5.0	7.4
68	4.2	3.8	5.8

Manual Integrations
APPROVED

mohammad
8/22/2019 12:49:20 PM



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 74.978 ng

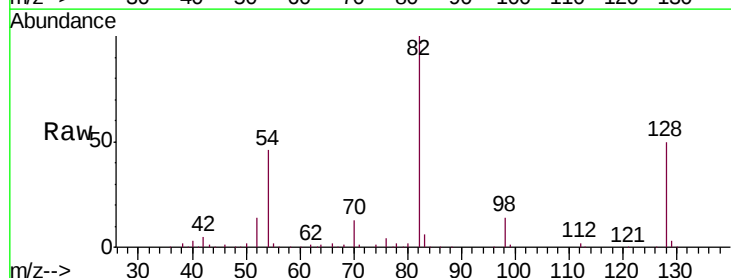
RT: 9.17 min Scan# 1036

Delta R.T. 0.00 min

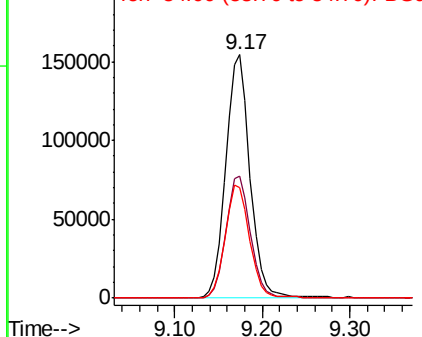
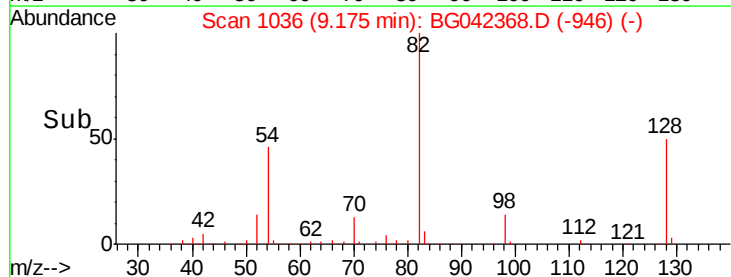
Lab File: BG042368.D

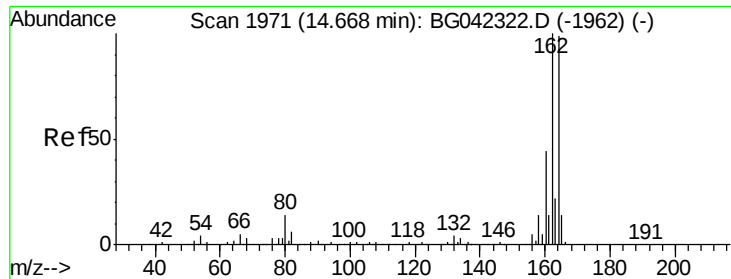
Acq: 20 Aug 2019 21:52

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	50.3	41.0	61.4
54	45.5	38.0	57.0



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





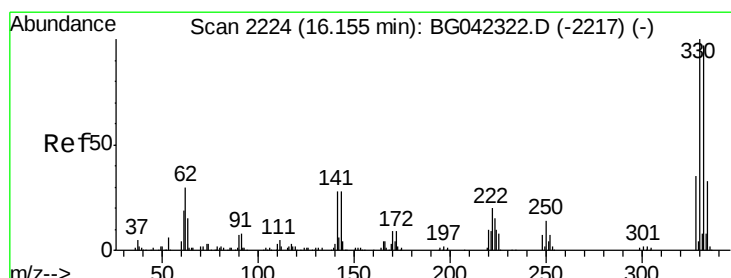
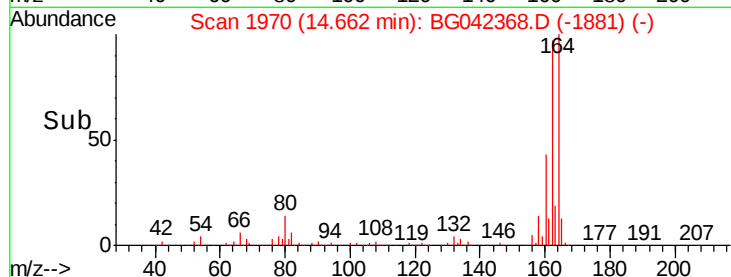
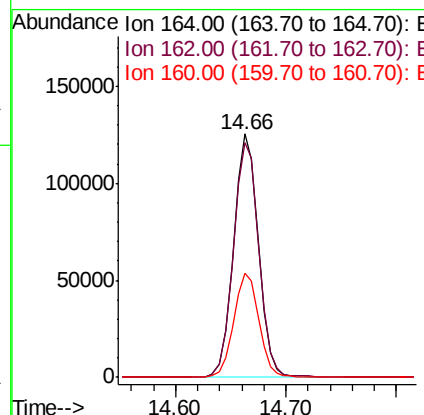
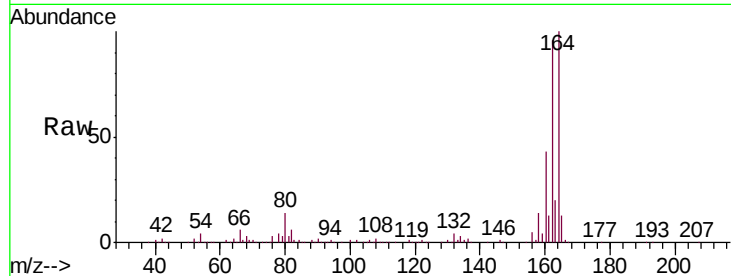
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Instrument :
BNA_G
ClientSampleId :
T6-B-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	197811		
162	96.4	80.6	120.8	
160	43.0	35.7	53.5	

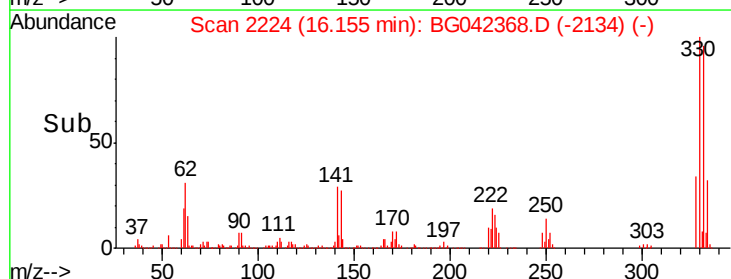
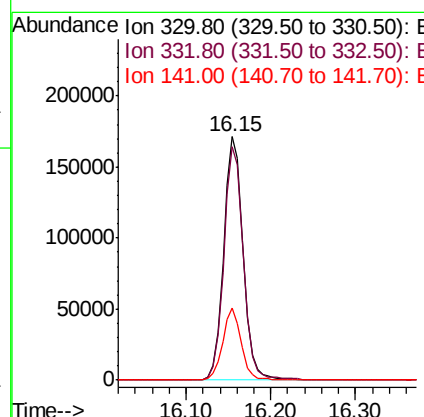
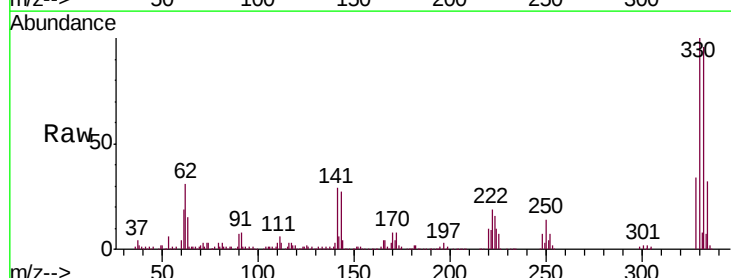
Manual Integrations
APPROVED

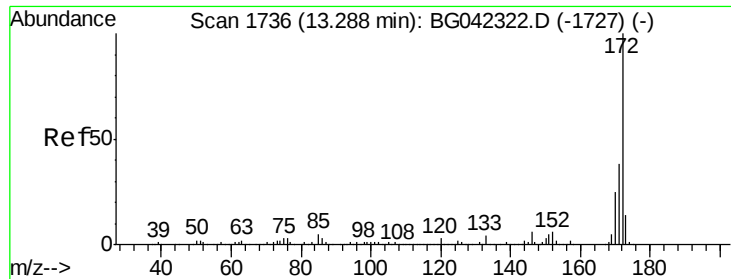
mohammad
8/22/2019 12:49:20 PM



#42
2,4,6-Tribromophenol
Concen: 101.988 ng
RT: 16.15 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	274771		
332	96.0	76.9	115.3	
141	28.0	21.8	32.6	





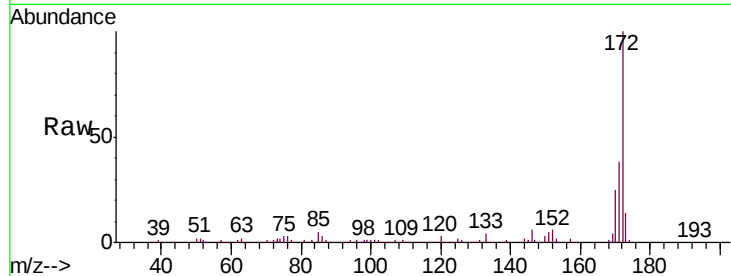
#45
2-Fluorobiphenyl
Concen: 61.573 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.01 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Instrument :
BNA_G
ClientSampleId :
T6-B-(0-2)

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.3	45.5
170	24.7	20.0	30.0

Manual Integrations
APPROVED

mohammad
8/22/2019 12:49:20 PM

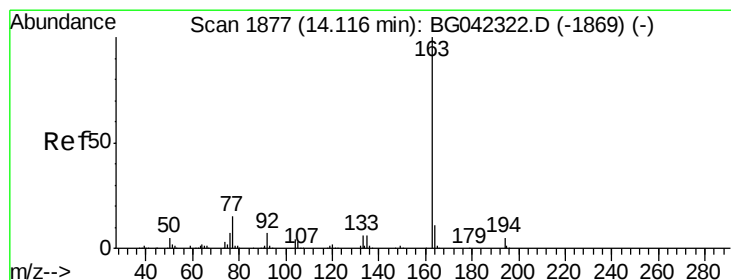
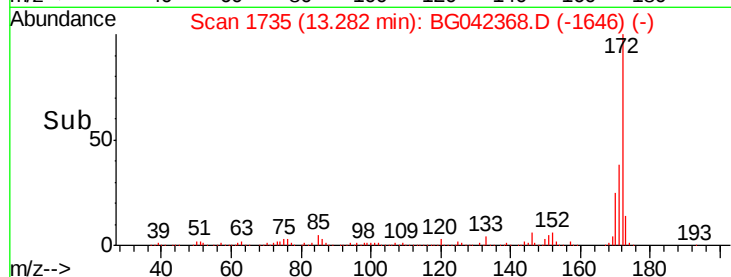
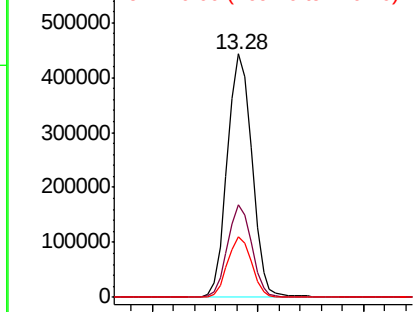


Abundance

Ion 172.00 (171.70 to 172.70): E

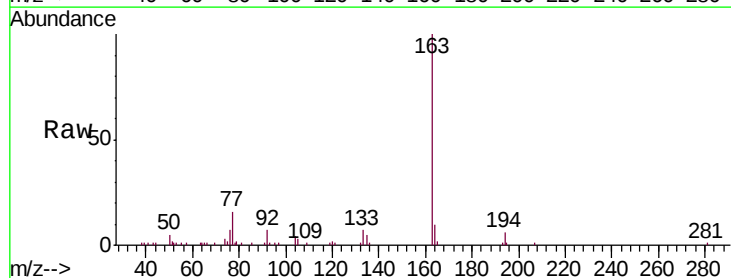
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 3.378 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.7	4.2	6.2
164	10.4	8.8	13.2

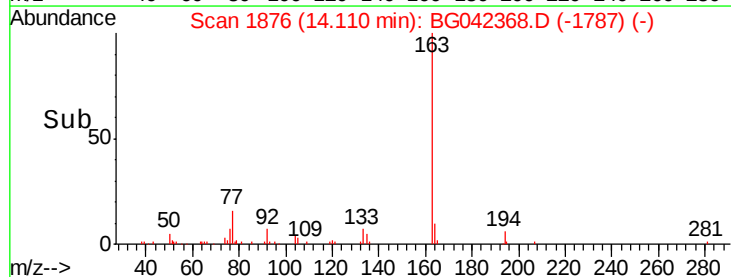
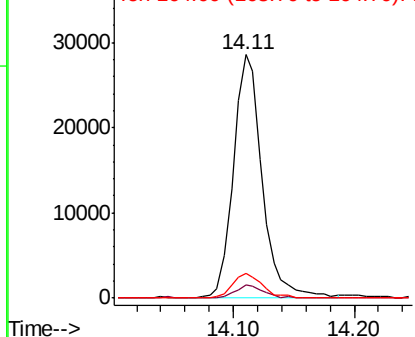


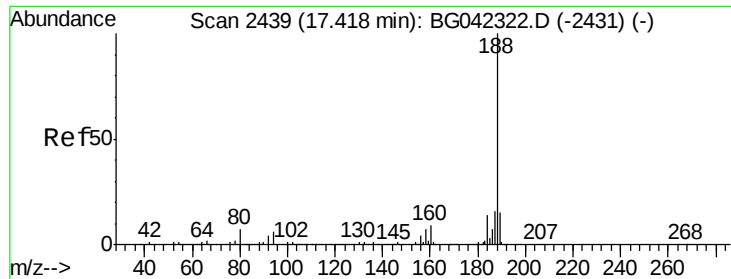
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG042368.D

Acq: 20 Aug 2019 21:52

Instrument :

BNA_G

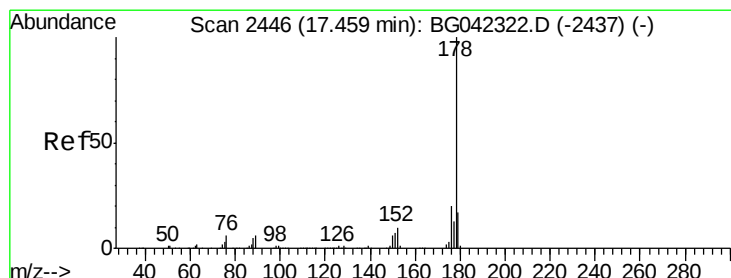
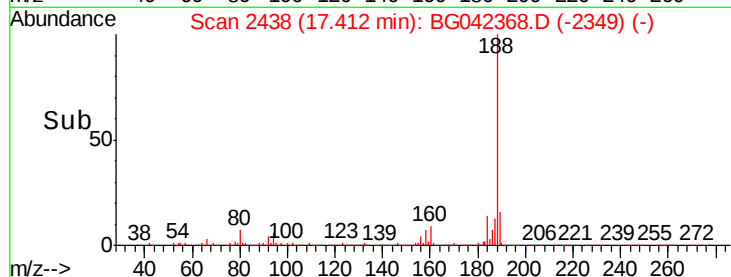
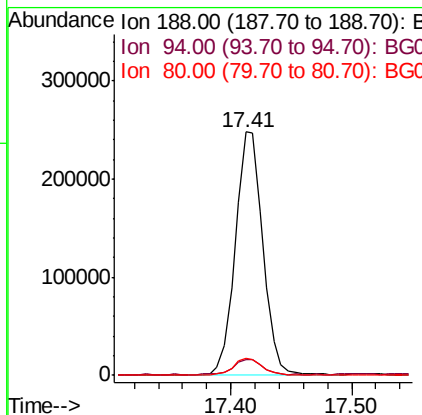
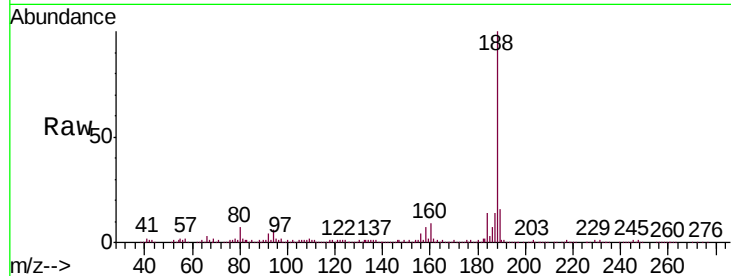
ClientSampleId :

T6-B-(0-2)

Tot Ion:188	Resp:	391975
Ion Ratio	Lower	Upper
188 100		
94 6.5	4.9	7.3
80 7.2	5.4	8.0

Manual Integrations
APPROVED

mohammad
8/22/2019 12:49:20 PM



#71

Phenanthrene

Concen: 12.064 ng

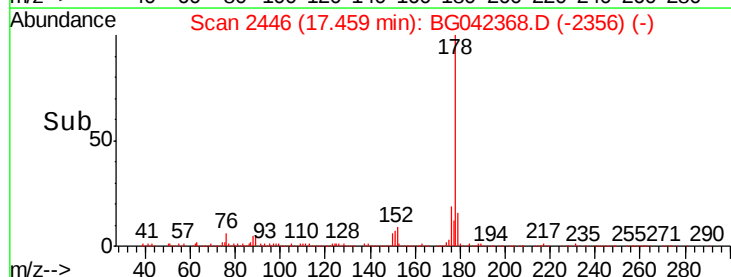
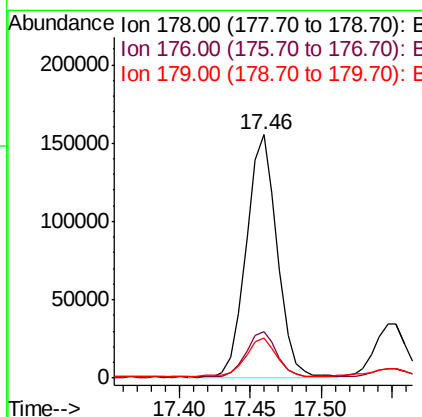
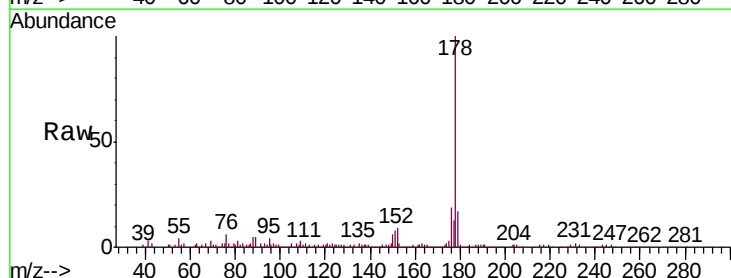
RT: 17.46 min Scan# 2446

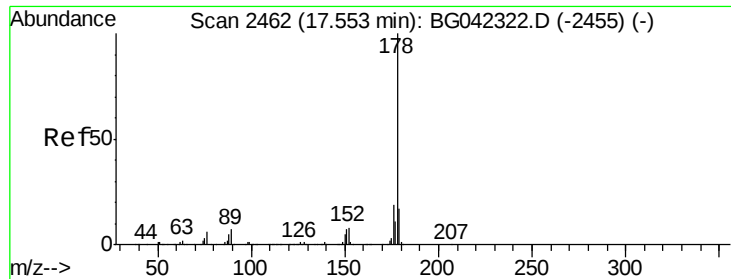
Delta R.T. 0.00 min

Lab File: BG042368.D

Acq: 20 Aug 2019 21:52

Tgt Ion:178	Resp:	235513
Ion Ratio	Lower	Upper
178 100		
176 18.9	16.2	24.4
179 16.6	13.7	20.5





#72

Anthracene

Concen: 2.745 ng

RT: 17.55 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BG042368.D

Acq: 20 Aug 2019 21:52

Instrument :

BNA_G

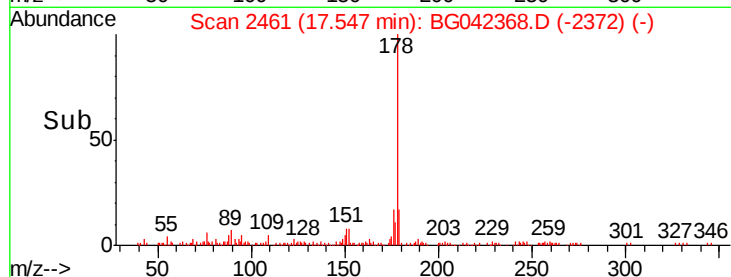
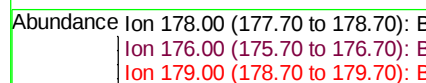
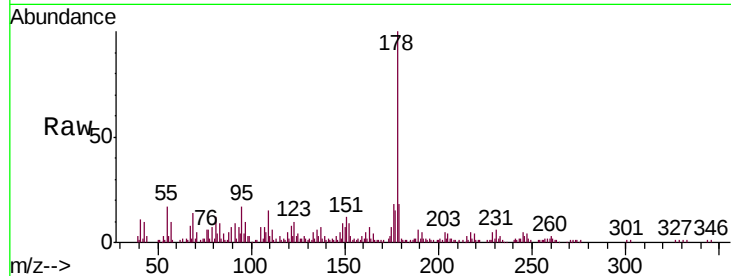
ClientSampled :

T6-B-(0-2)

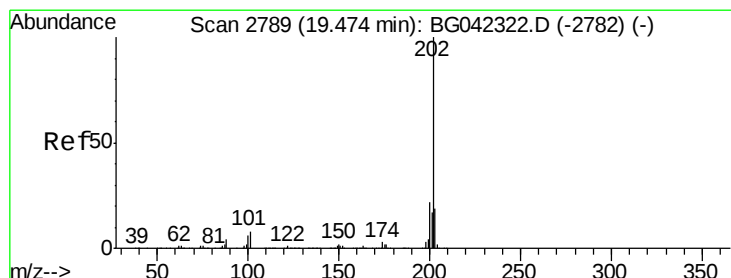
Tot Ion:	178	Resp:	53448
Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.5	23.3
179	18.2	13.6	20.4

Manual Integrations
APPROVED

mohammad
8/22/2019 12:49:20 PM



Time-->



#75

Fluoranthene

Concen: 17.798 ng

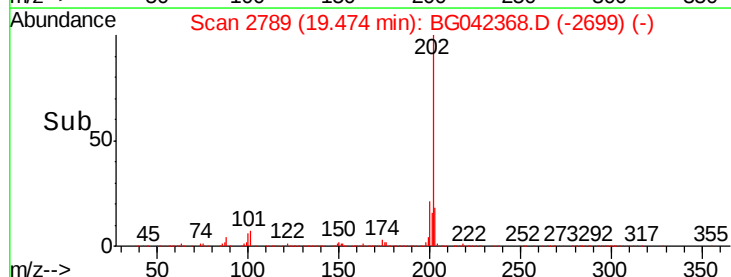
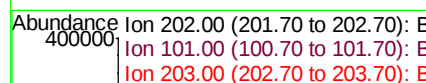
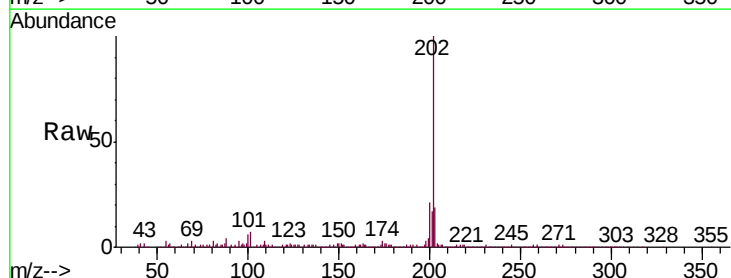
RT: 19.47 min Scan# 2789

Delta R.T. 0.00 min

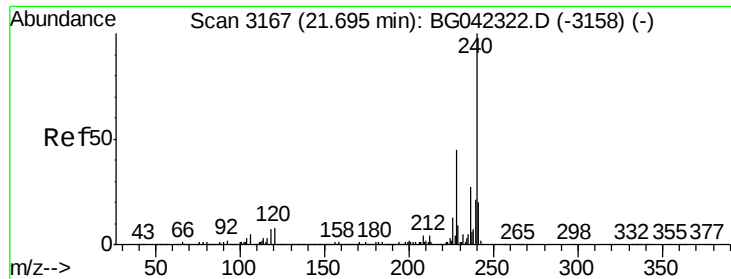
Lab File: BG042368.D

Acq: 20 Aug 2019 21:52

Tgt Ion:	202	Resp:	418989
Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	28.0
203	18.6	0.0	39.1



Time-->



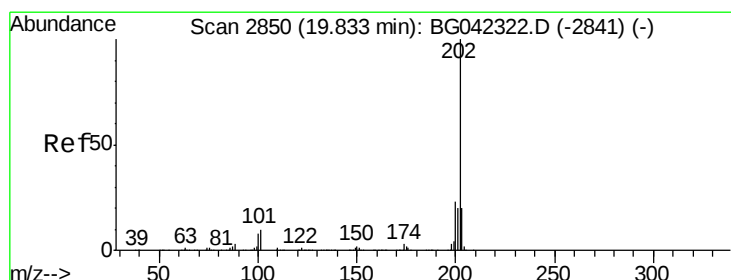
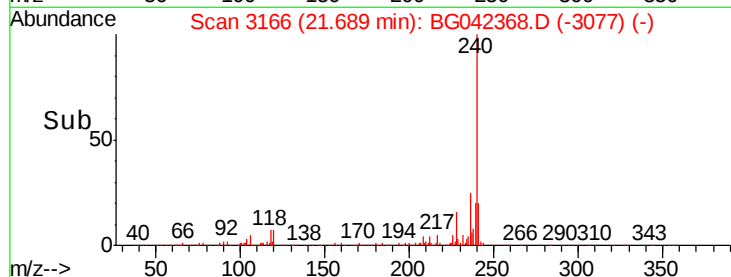
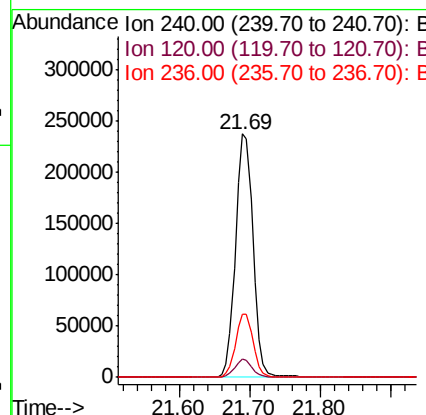
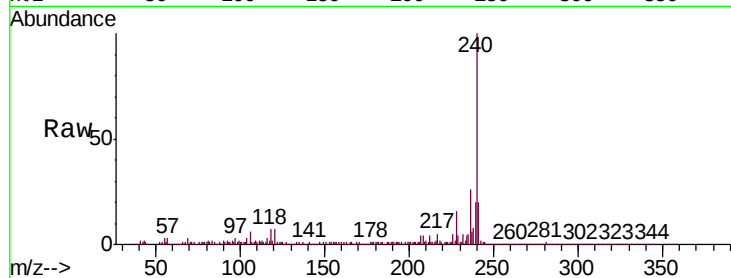
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Instrument :
BNA_G
ClientSampleId :
T6-B-(0-2)

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.5	6.0	9.0
236	25.7	21.6	32.4

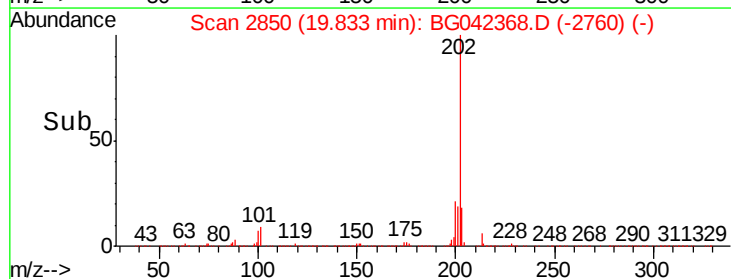
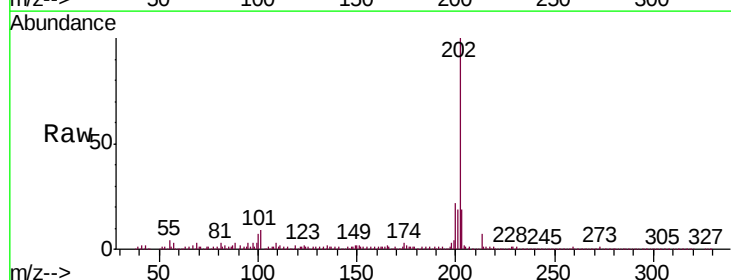
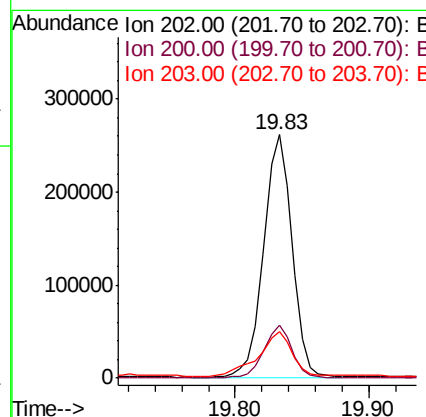
Manual Integrations
APPROVED

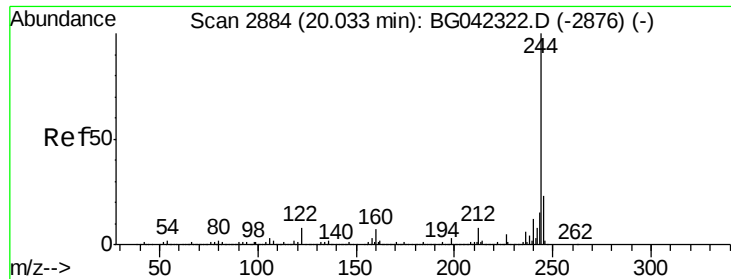
mohammad
8/22/2019 12:49:20 PM



#78
Pyrene
Concen: 15.215 ng
RT: 19.83 min Scan# 2850
Delta R.T. 0.00 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.1	27.1
203	18.8	15.8	23.8





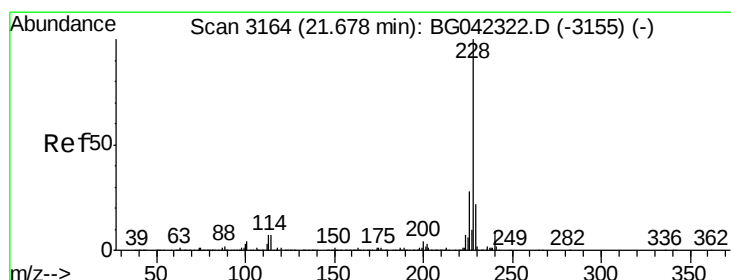
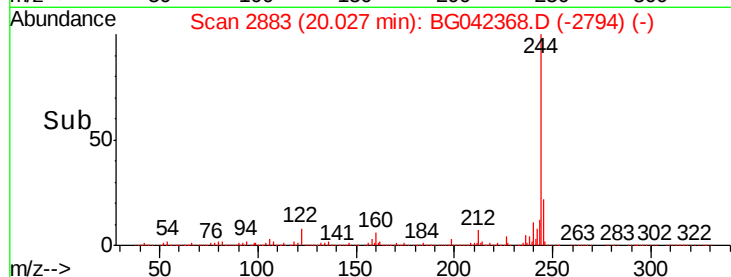
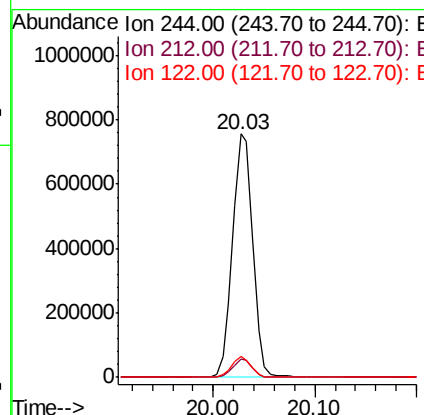
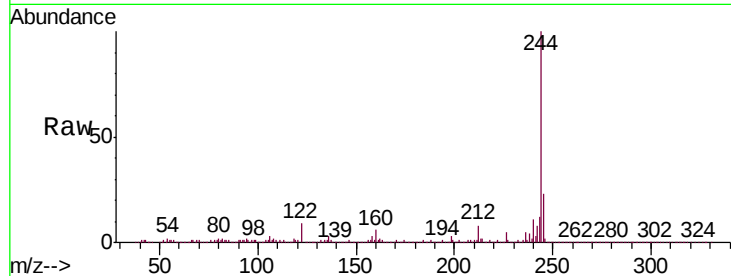
#79
 Terphenyl-d14
 Concen: 55.956 ng
 RT: 20.03 min Scan# 2883
 Delta R.T. -0.01 min
 Lab File: BG042368.D
 Acq: 20 Aug 2019 21:52

Instrument :
 BNA_G
 ClientSampleID :
 T6-B-(0-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.4	9.6
122	8.6	6.6	10.0

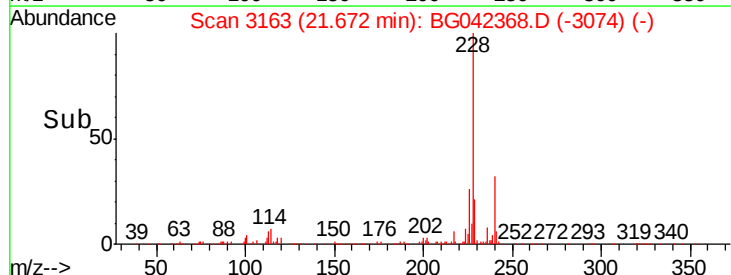
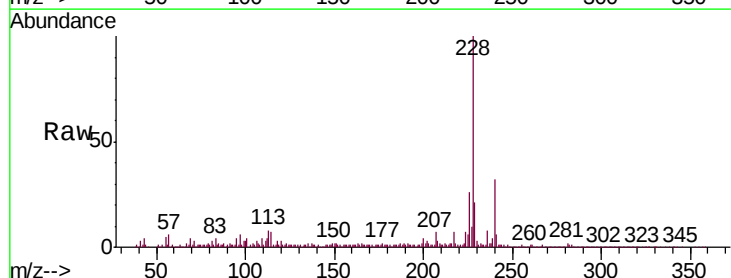
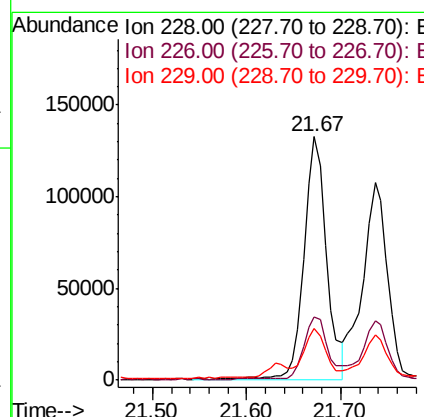
Manual Integrations
 APPROVED

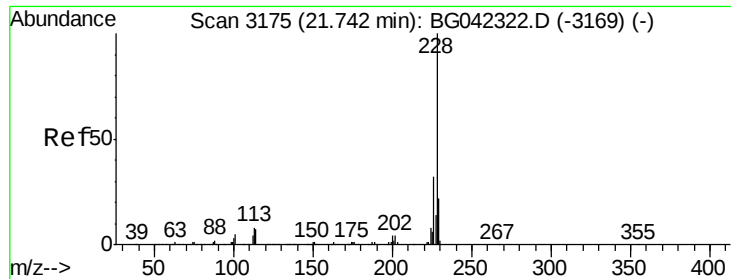
mohammad
 8/22/2019 12:49:20 PM



#81
 Benzo(a)anthracene
 Concen: 8.786 ng
 RT: 21.67 min Scan# 3163
 Delta R.T. -0.01 min
 Lab File: BG042368.D
 Acq: 20 Aug 2019 21:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.7	34.1
229	21.2	17.4	26.2





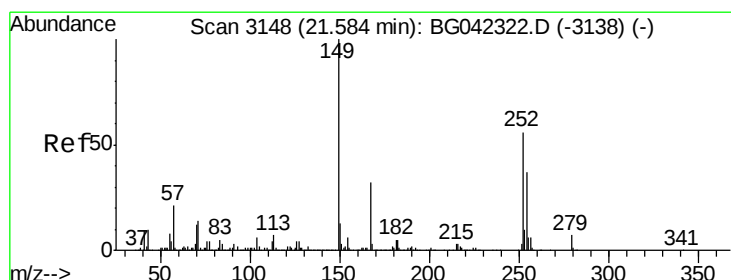
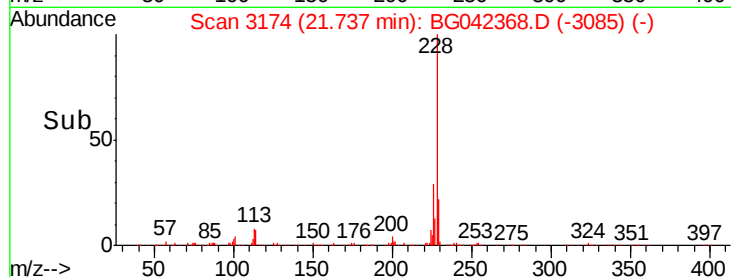
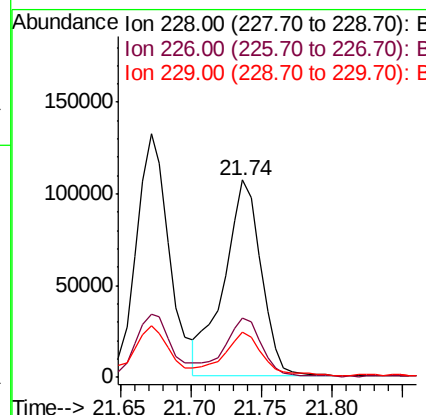
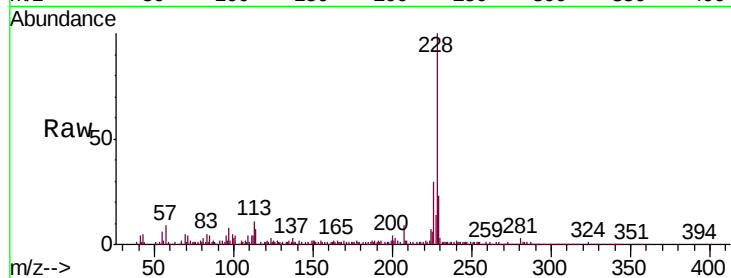
#83
Chrysene
Concen: 8.243 ng
RT: 21.74 min Scan# 3174
Delta R.T. -0.01 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Instrument :
BNA_G
ClientSampleId :
T6-B-(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.6	38.4
229	22.9	17.8	26.6

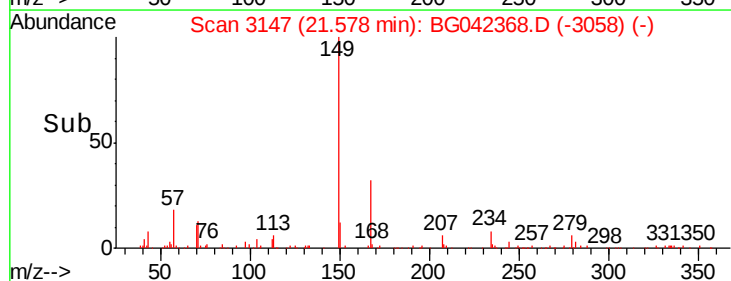
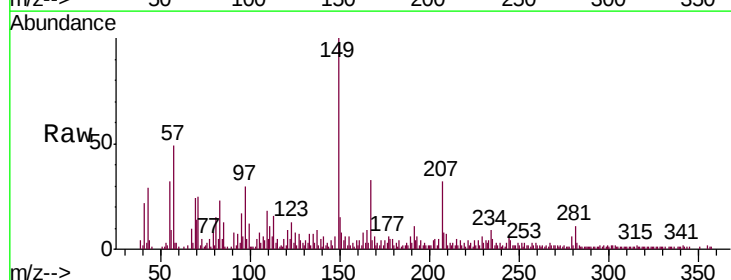
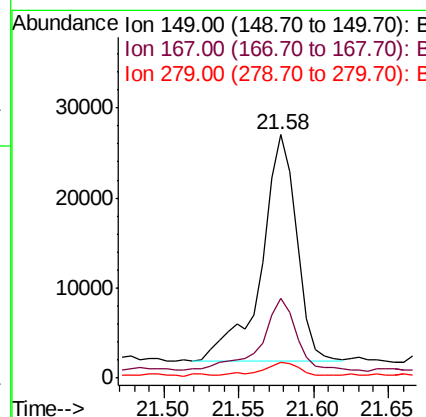
Manual Integrations
APPROVED

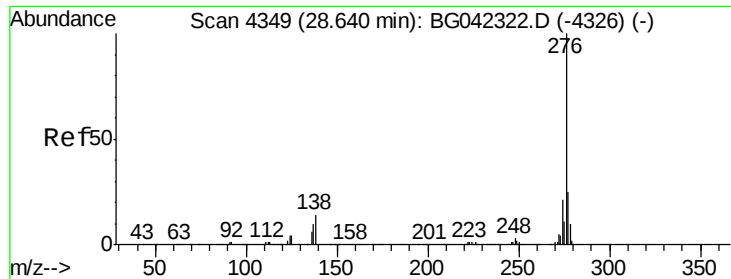
mohammad
8/22/2019 12:49:20 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.970 ng
RT: 21.58 min Scan# 3147
Delta R.T. -0.01 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Tgt Ion	Ratio	Lower	Upper
149	100		
167	32.9	25.4	38.0
279	6.4	5.8	8.6





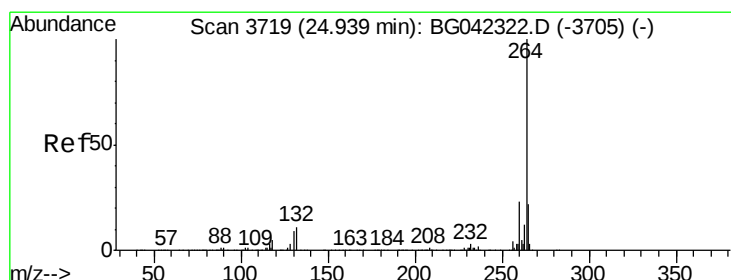
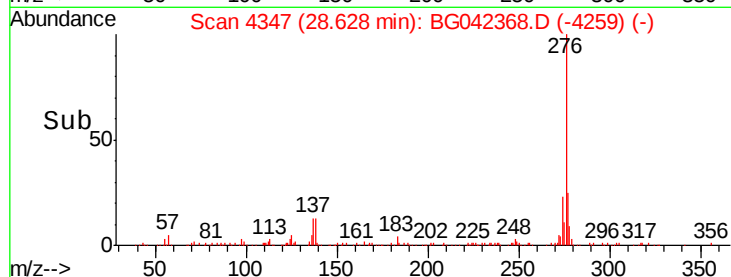
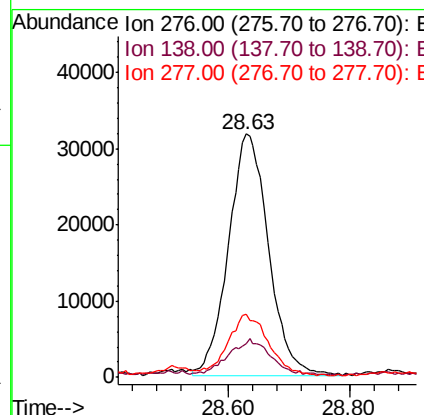
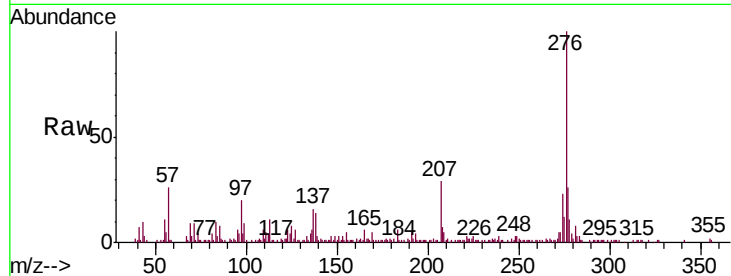
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.540 ng
RT: 28.63 min Scan# 4347
Delta R.T. -0.01 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Instrument :
BNA_G
ClientSampleId :
T6-B-(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.5	14.5	21.7
277	25.4	21.0	31.4

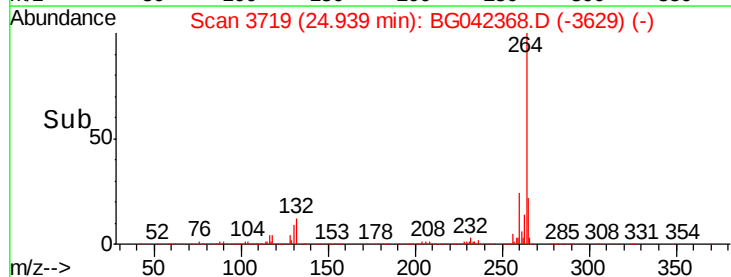
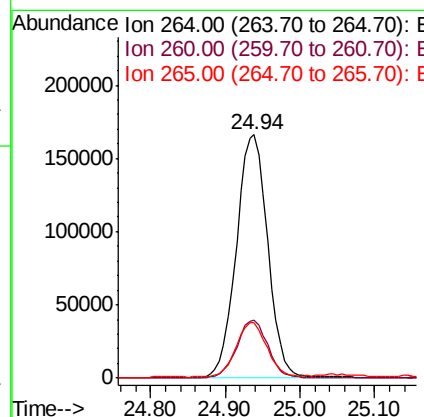
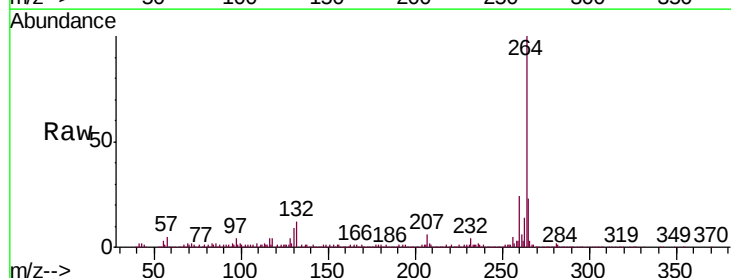
Manual Integrations
APPROVED

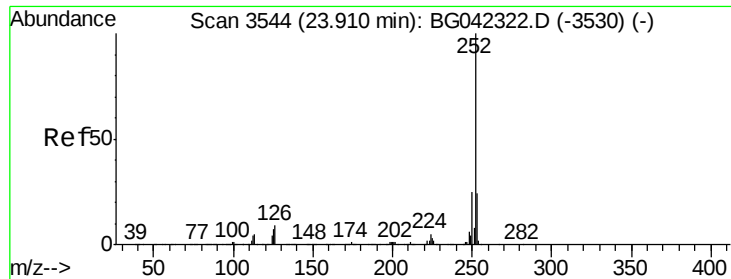
mohammad
8/22/2019 12:49:20 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.94 min Scan# 3719
Delta R.T. 0.00 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.4	27.6
265	22.6	17.4	26.0





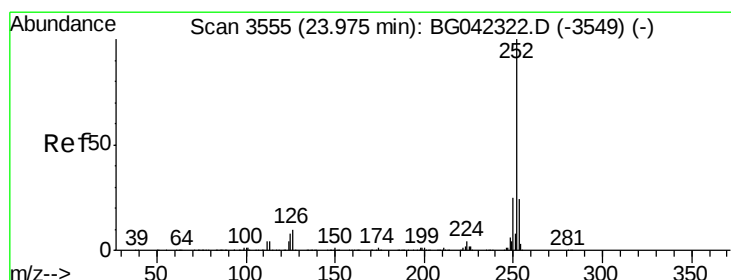
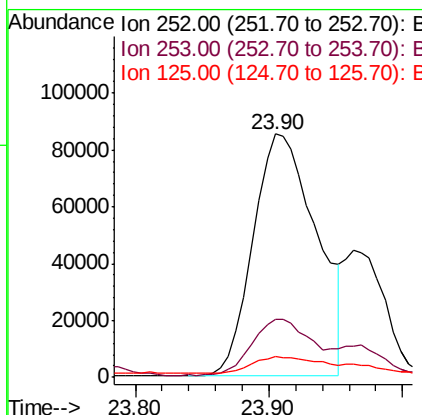
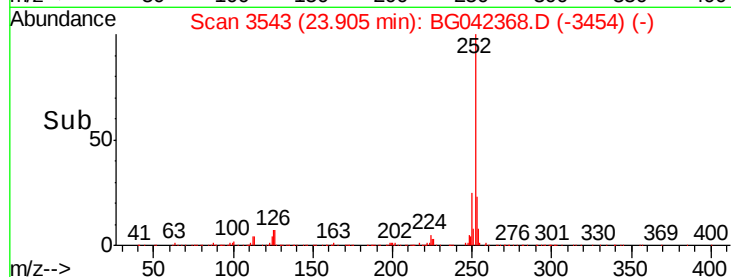
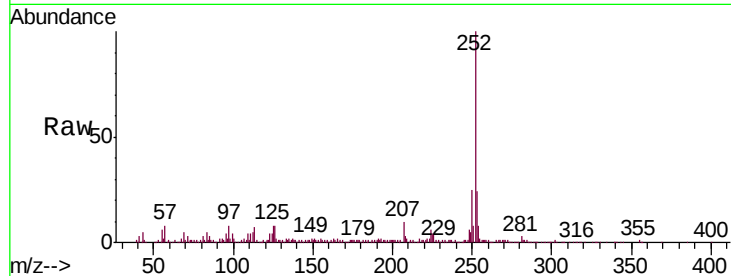
#88
Benzo(b)fluoranthene
Concen: 10.564 ng
RT: 23.90 min Scan# 3543
Delta R.T. -0.01 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Instrument :
BNA_G
ClientSampled :
T6-B-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.9	28.3
125	8.5	5.8	8.6

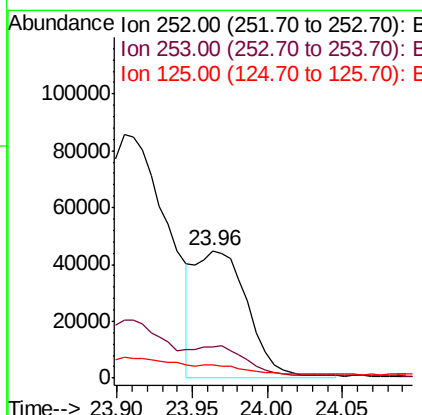
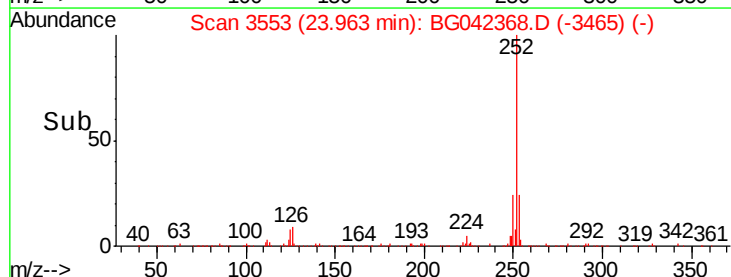
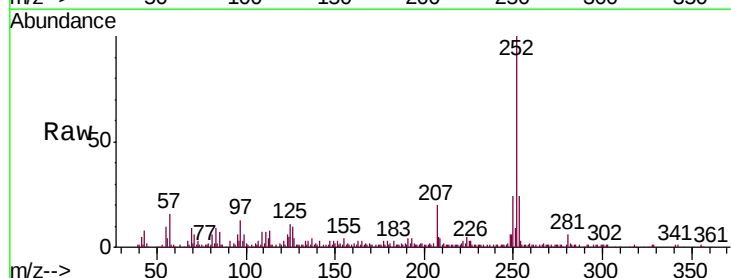
Manual Integrations
APPROVED

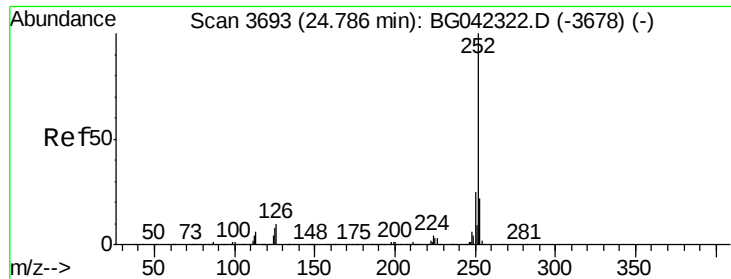
mohammad
8/22/2019 12:49:20 PM



#89
Benzo(k)fluoranthene
Concen: 4.241 ng m
RT: 23.96 min Scan# 3553
Delta R.T. -0.01 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.0	28.4
125	10.7	6.0	9.0#





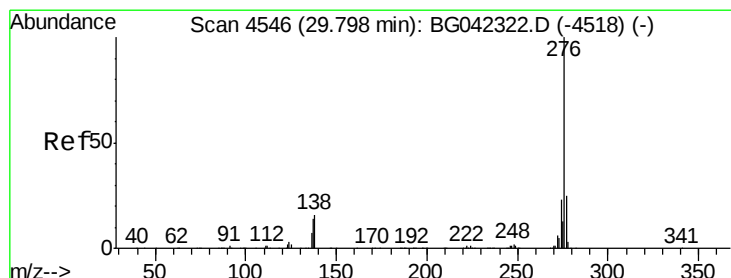
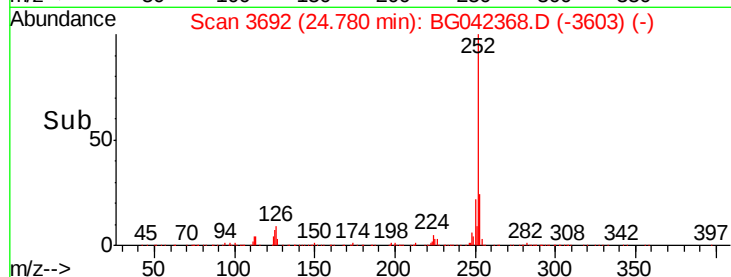
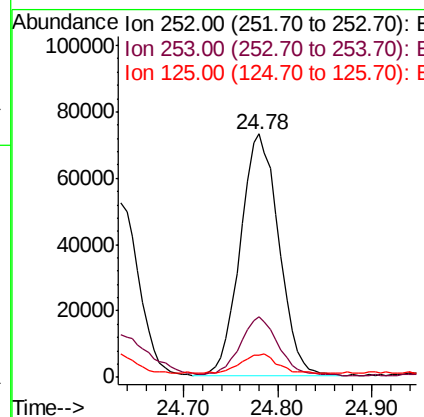
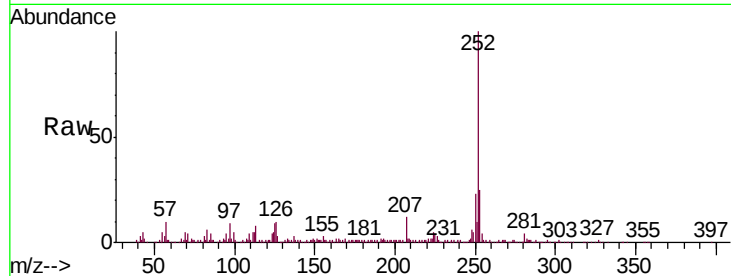
#90
Benzo(a)pyrene
Concen: 8.065 ng
RT: 24.78 min Scan# 3692
Delta R.T. -0.01 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Instrument :
BNA_G
ClientSampleId :
T6-B-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	9.0	6.7	10.1

Manual Integrations
APPROVED

mohammad
8/22/2019 12:49:20 PM



#92
Benzo(g,h,i)perylene
Concen: 5.746 ng
RT: 29.79 min Scan# 4544
Delta R.T. -0.01 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.8	29.8
138	15.4	12.8	19.2

