

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\
 Data File : BG040732.D
 Acq On : 3 May 2019 19:46
 Operator : JU/SJ
 Sample : K2667-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-1-A

Manual Integrations
 APPROVED

mohammad
 5/7/2019 11:58:31 PM

Quant Time: May 06 04:46:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	46014	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	205797	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	155639	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	410541	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	407773	20.00	ng	-0.02
87) Perylene-d12	25.16	264	432220	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	342854	131.35	ng	0.00
7) Phenol-d6	7.28	99	529670	131.79	ng	-0.01
23) Nitrobenzene-d5	9.32	82	365695	82.11	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	285879	133.63	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	834161	77.40	ng	-0.02
79) Terphenyl-d14	20.12	244	1463088	79.49	ng	-0.02
Target Compounds						
10) Phenol	7.31	94	8883	2.056	ng	Qvalue # 65
50) Dimethylphthalate	14.22	163	105396	8.094	ng	99
71) Phenanthrene	17.56	178	156742	7.088	ng	97
75) Fluoranthene	19.56	202	163356	5.928	ng	99
78) Pyrene	19.92	202	286647	11.216	ng	100
81) Benzo(a)anthracene	21.78	228	117306	4.552	ng	97
83) Chrysene	21.85	228	131944	5.383	ng	96
88) Benzo(b)fluoranthene	24.08	252	100697	3.812	ng	# 95
90) Benzo(a)pyrene	25.00	252	88967m	3.558	ng	
92) Benzo(g,h,i)perylene	30.22	276	54227	2.154	ng	99

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

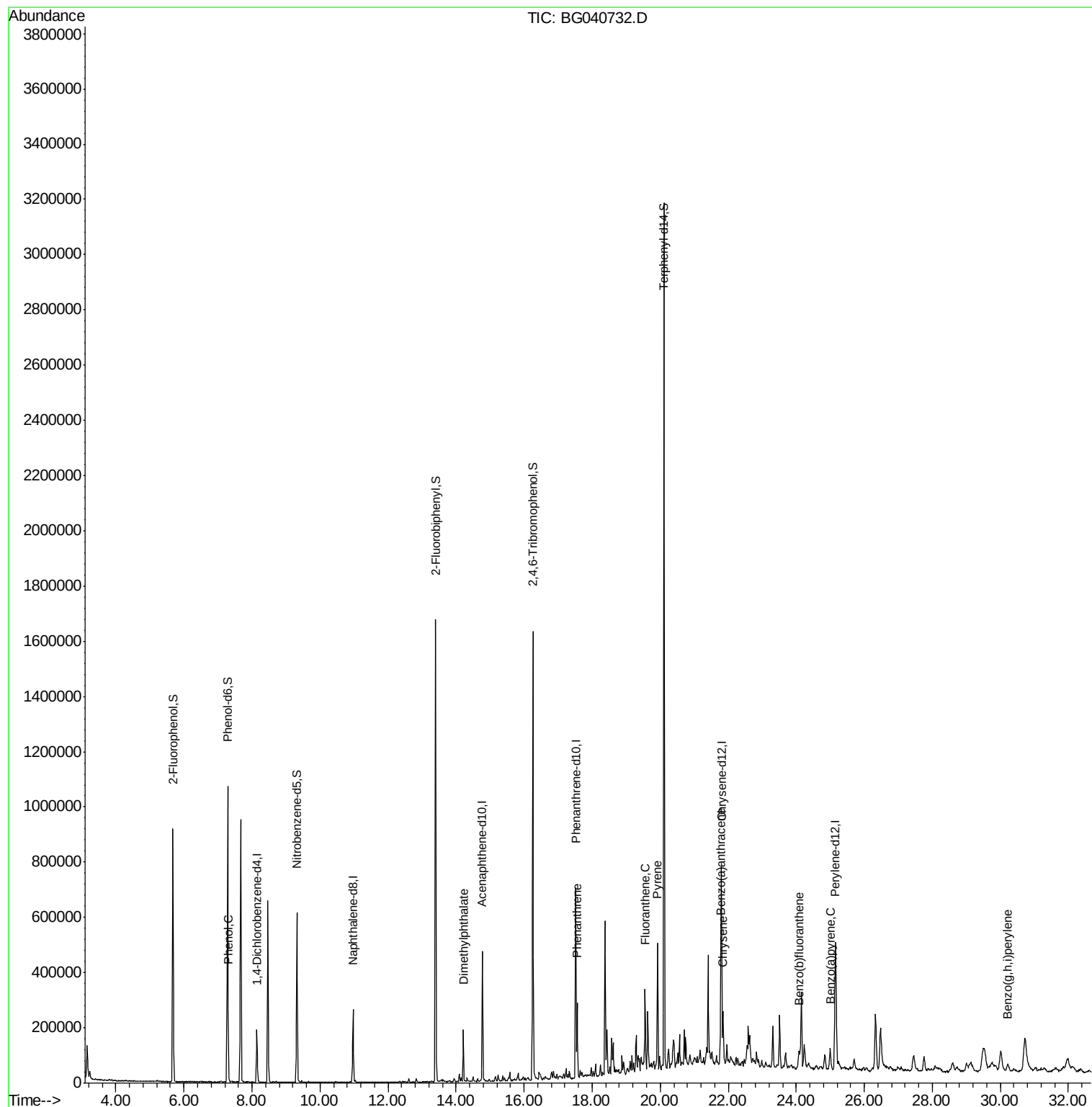
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\
Data File : BG040732.D
Acq On : 3 May 2019 19:46
Operator : JU/SJ
Sample : K2667-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

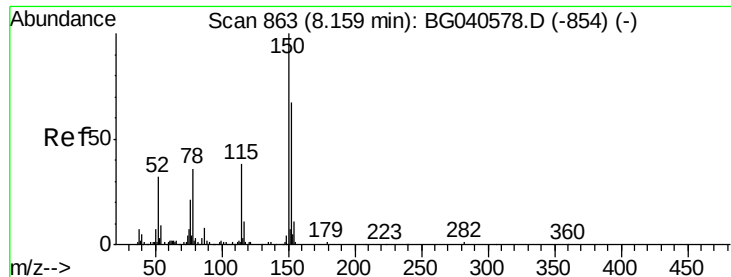
Instrument :
BNA_G
ClientSampleId :
SP-1-A

Manual Integrations
APPROVED

mohammad
5/7/2019 11:58:31 PM

Quant Time: May 06 04:46:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:35:33 2019
Response via : Initial Calibration





#1

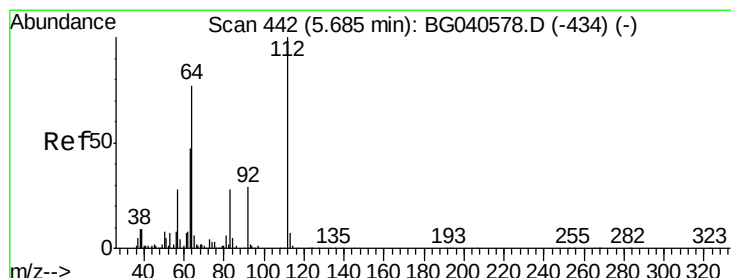
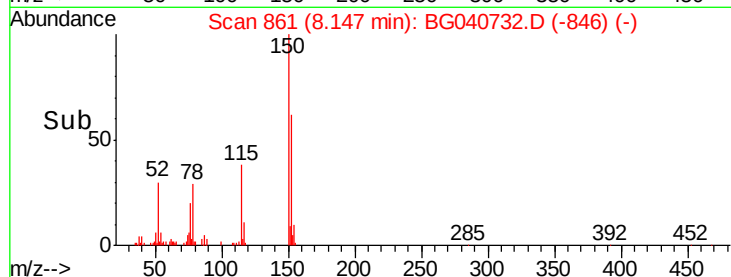
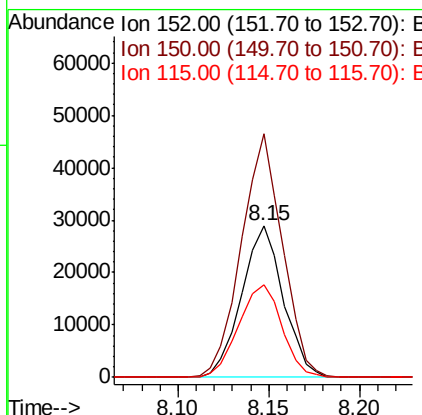
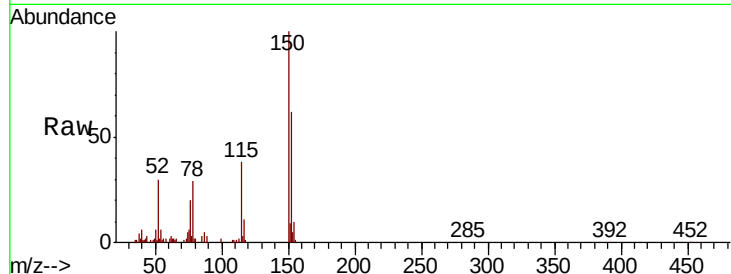
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Instrument :
BNA_G
ClientSampleId :
SP-1-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	120.2	180.2
115	61.0	46.2	69.2

Manual Integrations
APPROVED

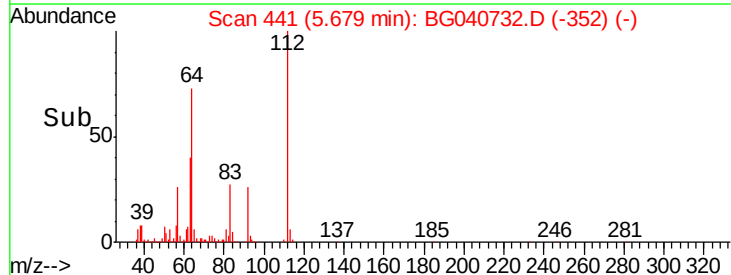
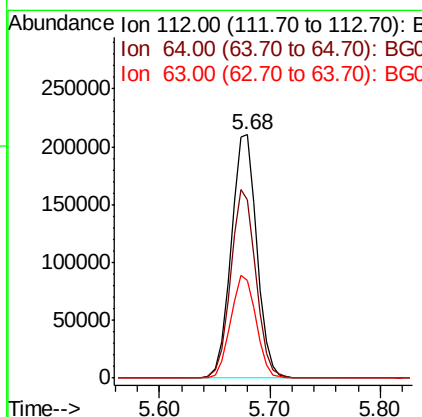
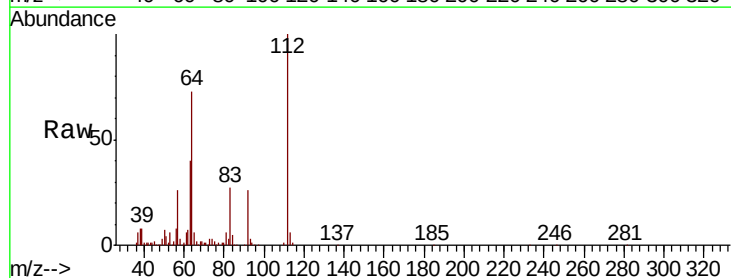
mohammad
5/7/2019 11:58:31 PM

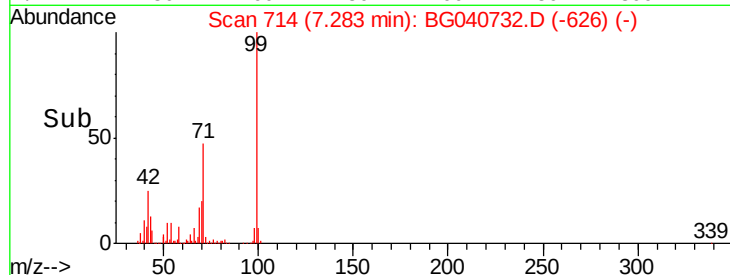
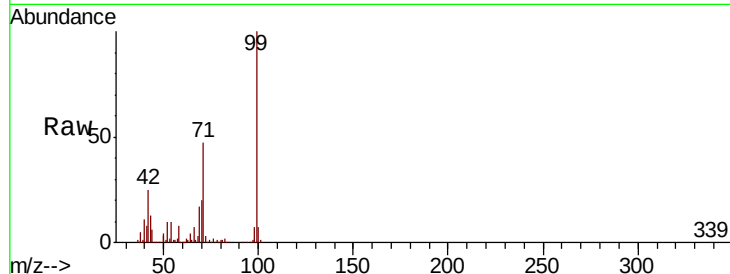
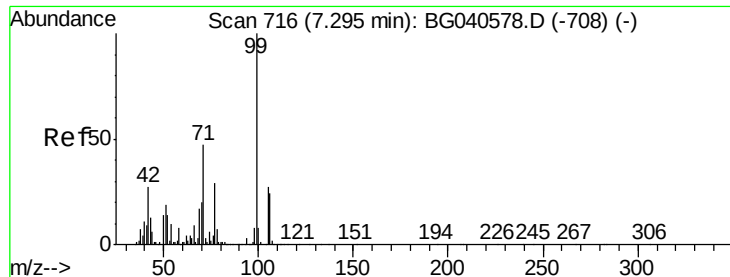


#5

2-Fluorophenol
Concen: 131.345 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.1	61.4	92.0
63	40.4	37.8	56.6





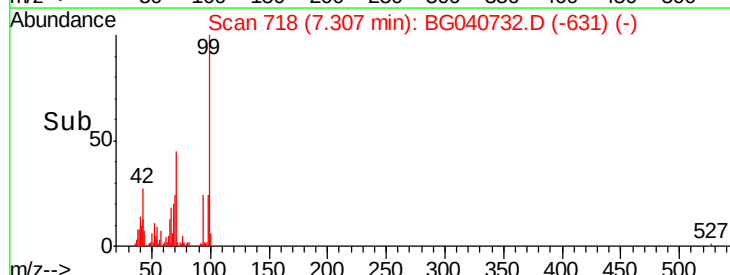
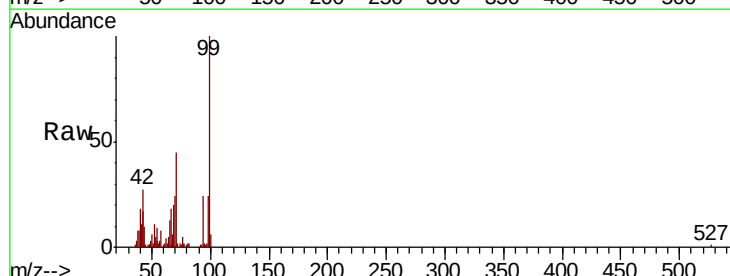
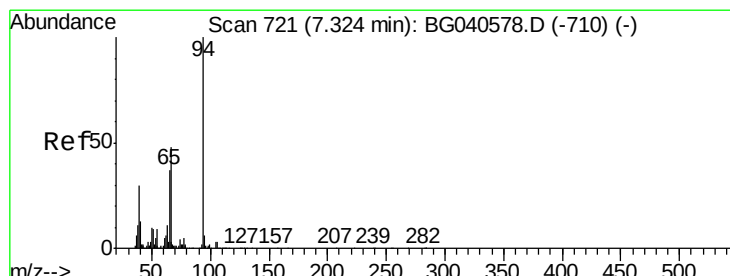
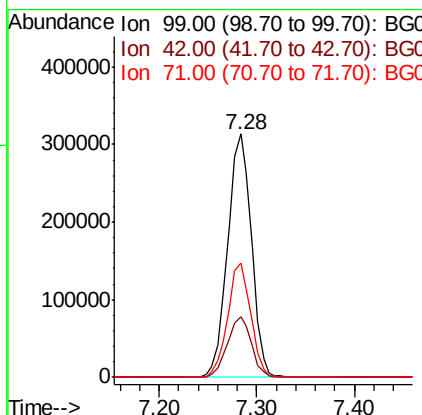
#7
Phenol-d6
Concen: 131.786 ng
RT: 7.28 min Scan# 714
Delta R.T. -0.01 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		529670		
42	24.8	21.8	32.8		
71	47.0	38.6	57.8		

Instrument :
BNA_G
ClientSampleId :
SP-1-A

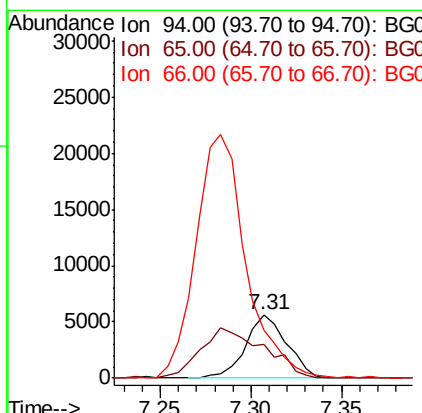
Manual Integrations
APPROVED

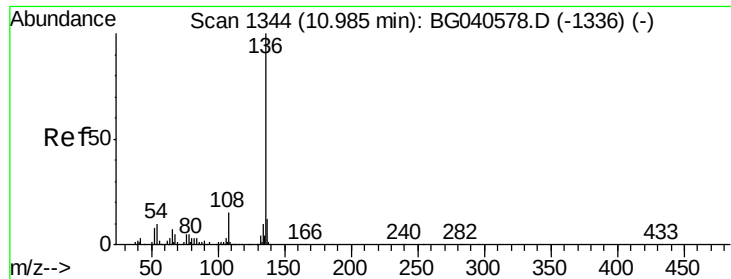
mohammad
5/7/2019 11:58:31 PM



#10
Phenol
Concen: 2.056 ng
RT: 7.31 min Scan# 718
Delta R.T. -0.02 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		8883		
65	53.1	17.0	57.0		
66	76.3	28.6	68.6#		





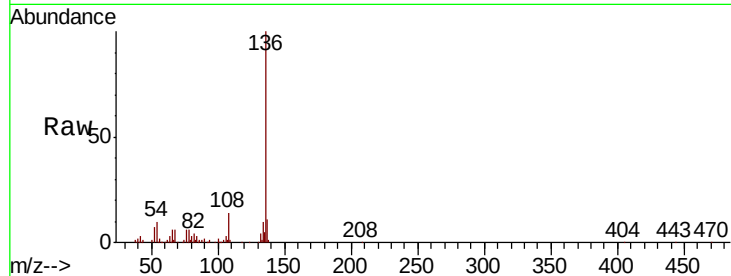
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Instrument :
BNA_G
ClientSampleId :
SP-1-A

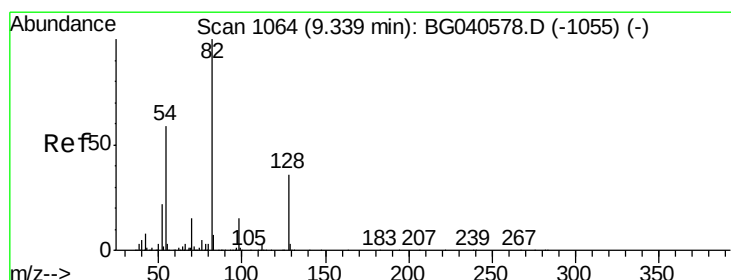
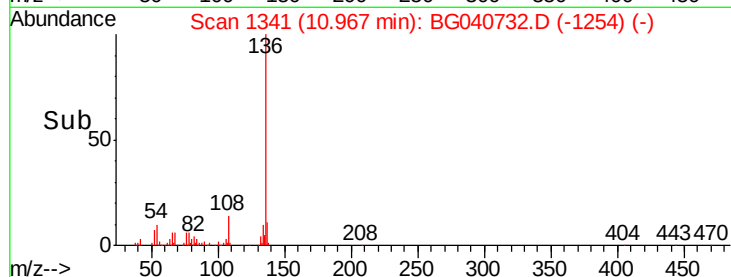
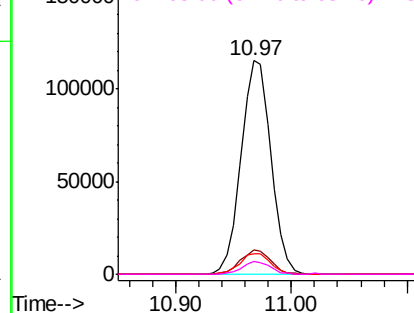
Tot Ion	Ratio	Resp	Lower	Upper
136	100	205797		
137	11.5		9.7	14.5
54	9.6		8.6	12.8
68	5.8		4.8	7.2

Manual Integrations
APPROVED

mohammad
5/7/2019 11:58:31 PM

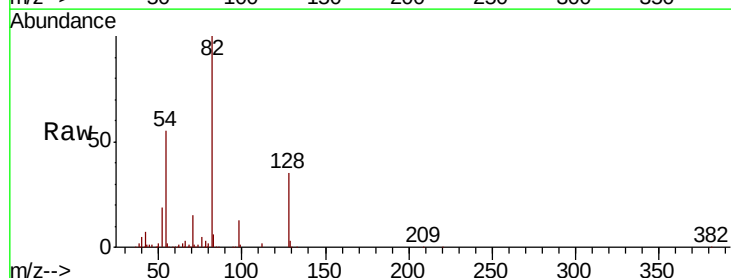


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

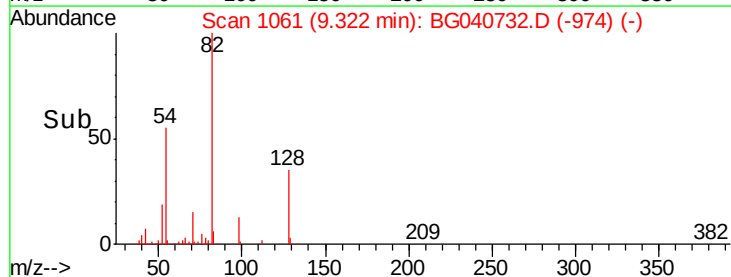
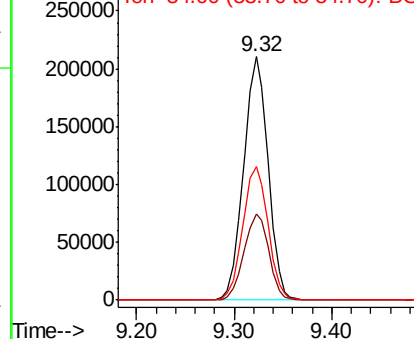


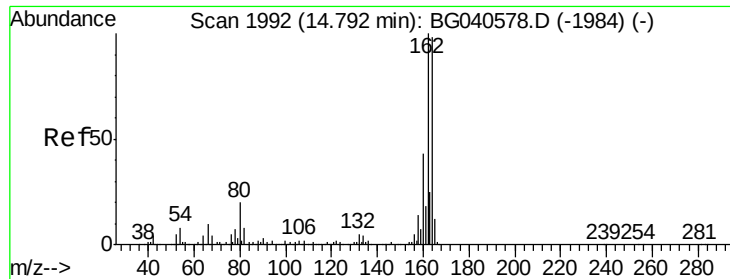
#23
Nitrobenzene-d5
Concen: 82.107 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	365695		
128	35.4		28.9	43.3
54	55.1		47.2	70.8



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

Instrument :

BNA_G

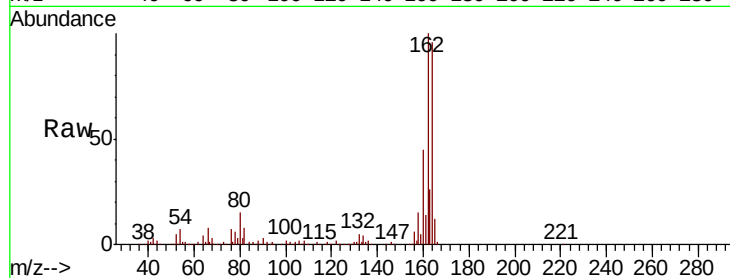
ClientSampleId :

SP-1-A

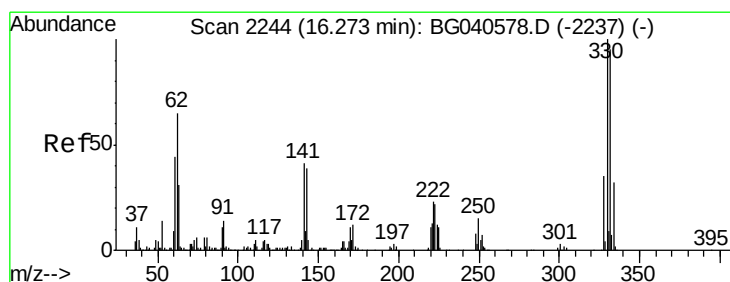
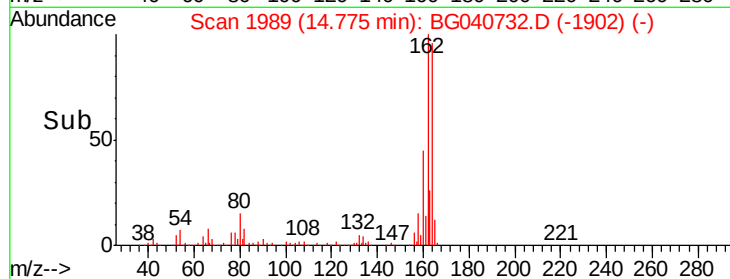
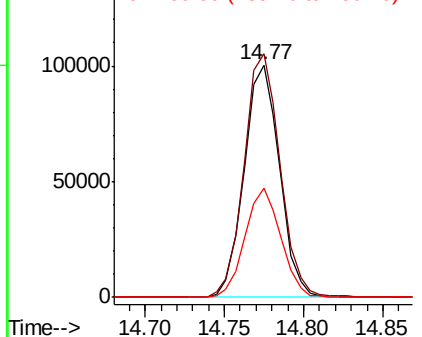
Tot Ion:	164	Resp:	155639
Ion Ratio	Lower	Upper	
164	100		
162	104.6	81.9	122.9
160	46.9	35.4	53.2

Manual Integrations
APPROVED

mohammad
5/7/2019 11:58:31 PM



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



#42

2,4,6-Tribromophenol

Concen: 133.632 ng

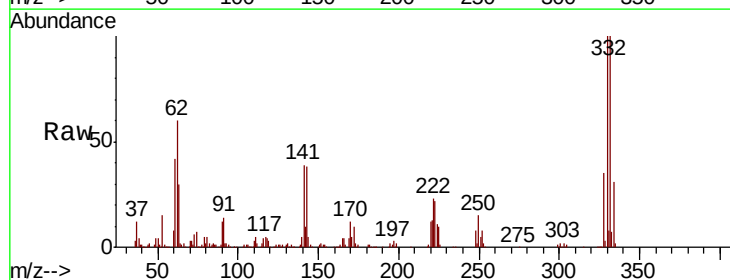
RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

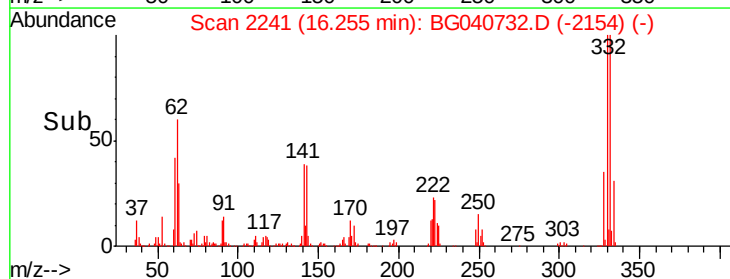
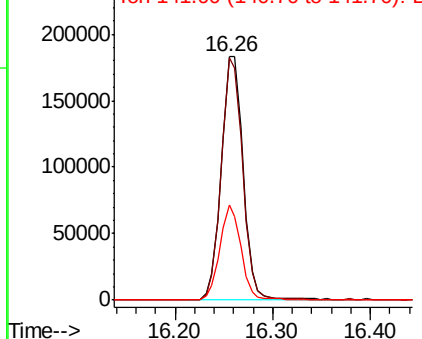
Lab File: BG040732.D

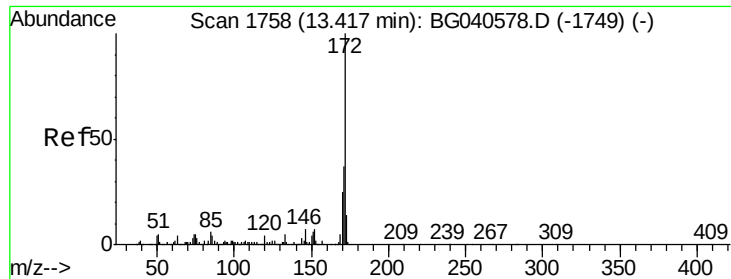
Acq: 3 May 2019 19:46

Tgt Ion:	330	Resp:	285879
Ion Ratio	Lower	Upper	
330	100		
332	97.1	75.9	113.9
141	37.9	32.4	48.6



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





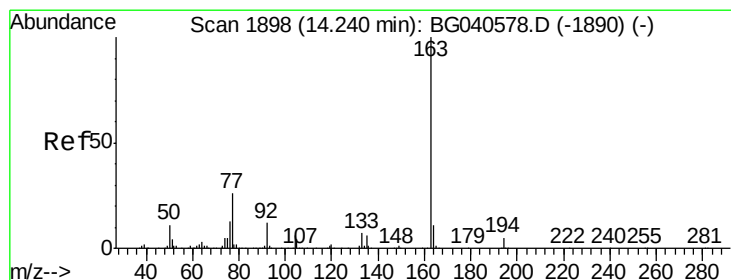
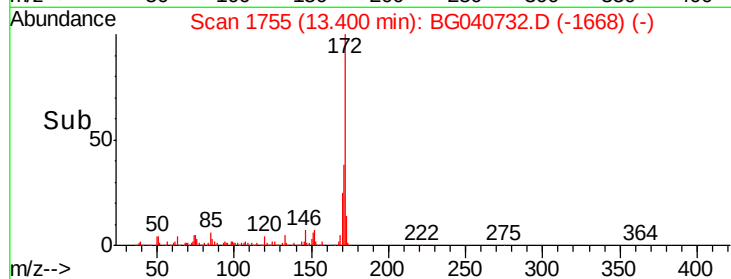
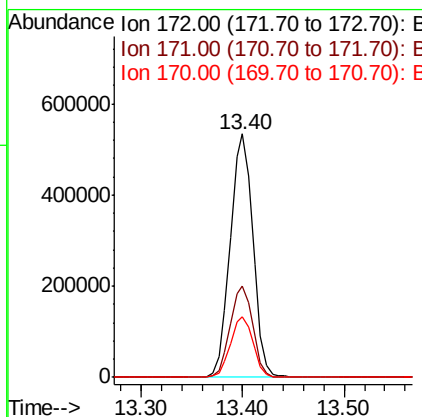
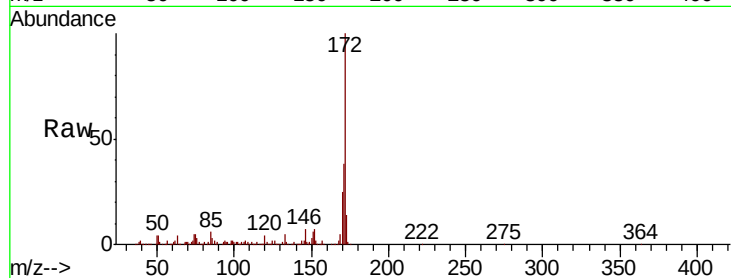
#45
2-Fluorobiphenyl
Concen: 77.403 ng
RT: 13.40 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Instrument :
BNA_G
ClientSampleId :
SP-1-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.4	44.2
170	24.9	19.9	29.9

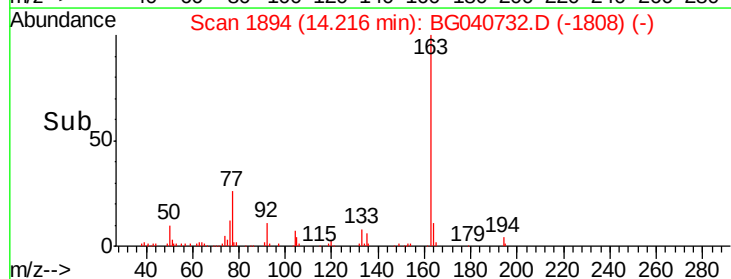
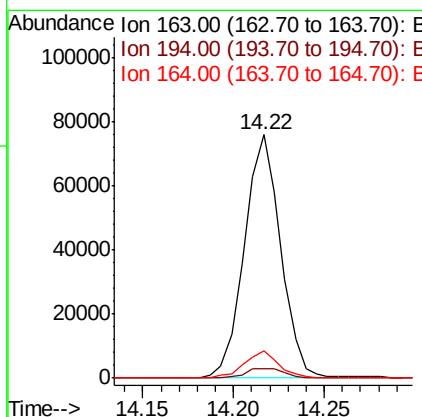
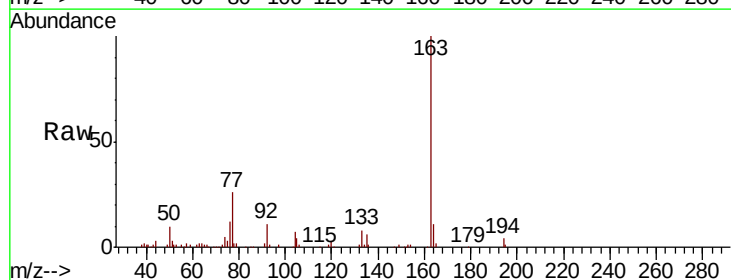
Manual Integrations
APPROVED

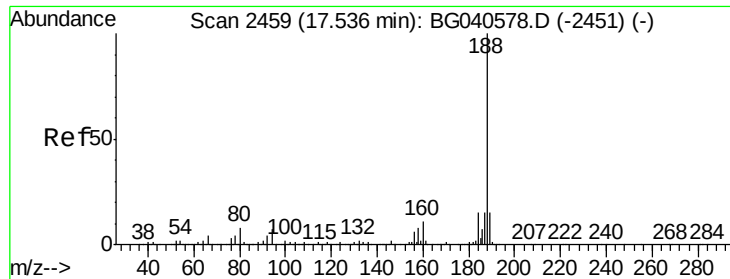
mohammad
5/7/2019 11:58:31 PM



#50
Dimethylphthalate
Concen: 8.094 ng
RT: 14.22 min Scan# 1894
Delta R.T. -0.02 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.8	5.8
164	11.2	8.8	13.2





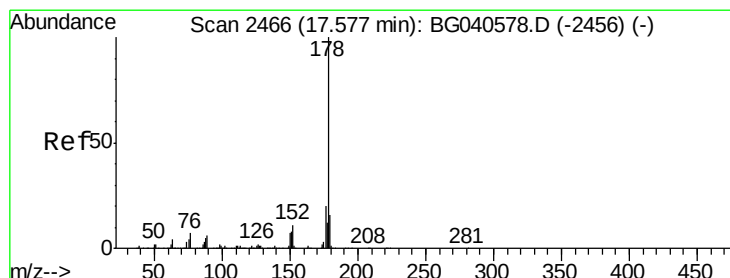
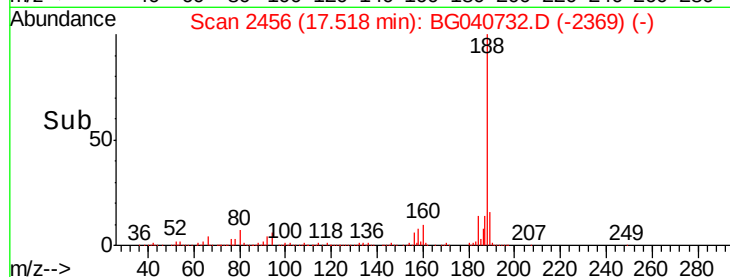
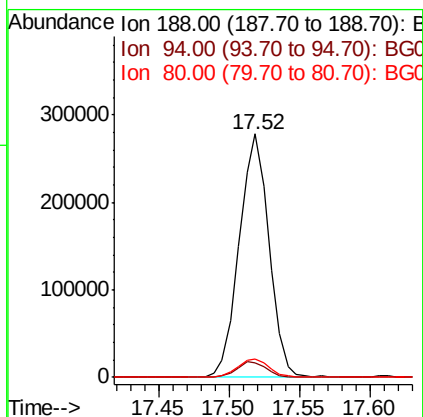
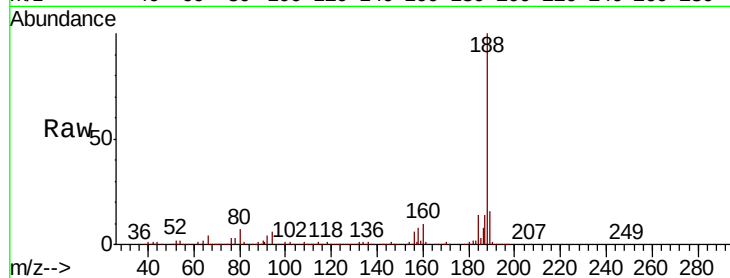
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.52 min Scan# 2456
Delta R.T. -0.02 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Instrument :
BNA_G
ClientSampleId :
SP-1-A

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.0	5.6	8.4
80	7.3	6.4	9.6

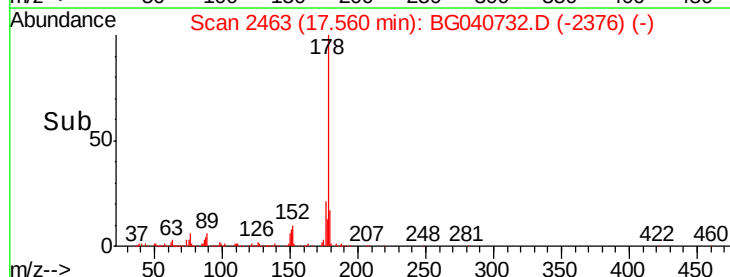
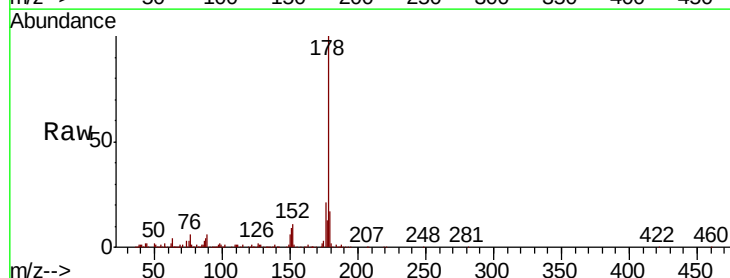
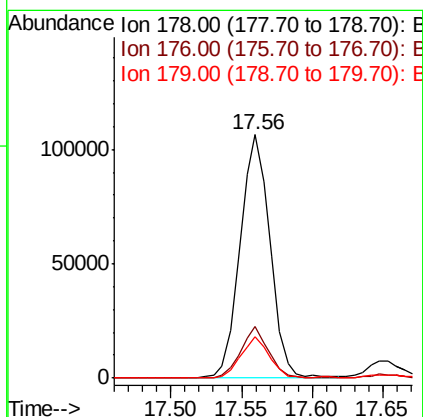
Manual Integrations
APPROVED

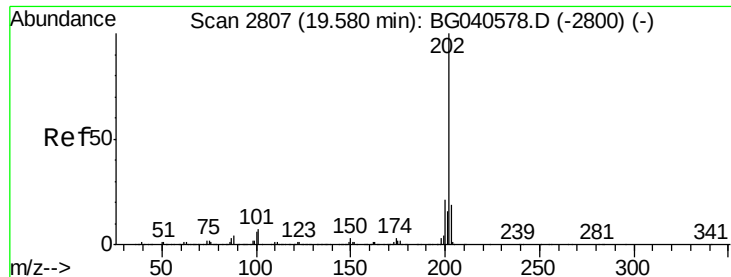
mohammad
5/7/2019 11:58:31 PM



#71
Phenanthrene
Concen: 7.088 ng
RT: 17.56 min Scan# 2463
Delta R.T. -0.02 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	21.4	15.8	23.6
179	17.1	12.6	18.8





#75

Fluoranthene

Concen: 5.928 ng

RT: 19.56 min Scan# 2803

Delta R.T. -0.02 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

Instrument :

BNA_G

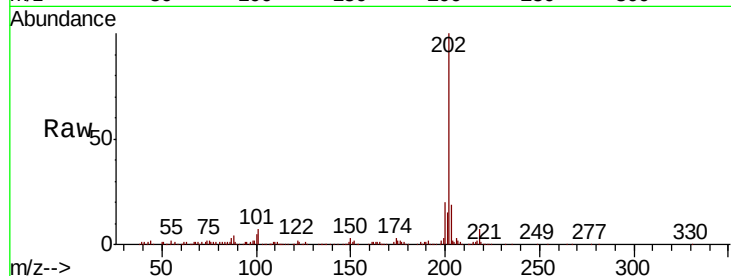
ClientSampleId :

SP-1-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		163356		
101	7.1	0.0	27.5		
203	18.8	0.0	39.3		

Manual Integrations
APPROVED

mohammad
5/7/2019 11:58:31 PM

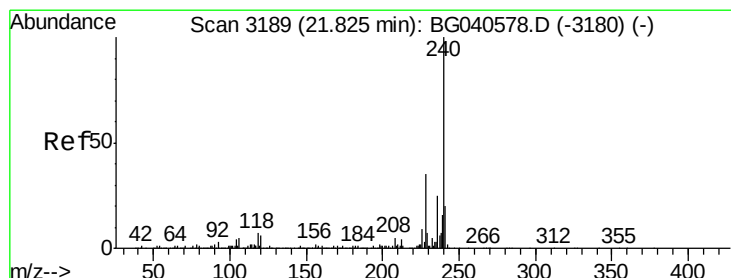
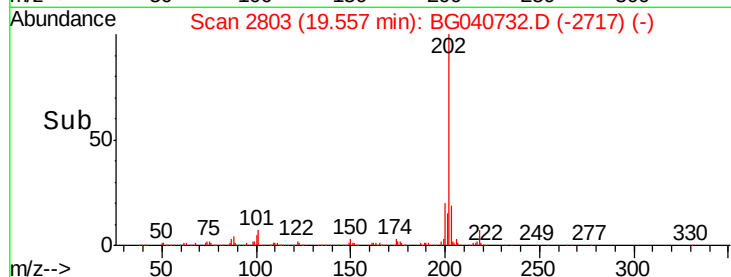
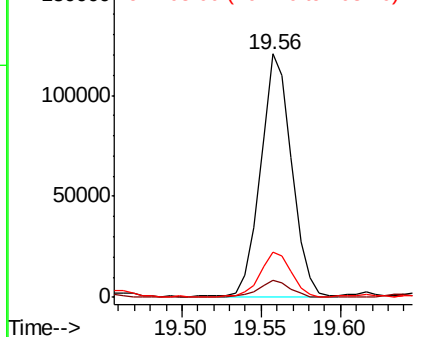


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.80 min Scan# 3185

Delta R.T. -0.02 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

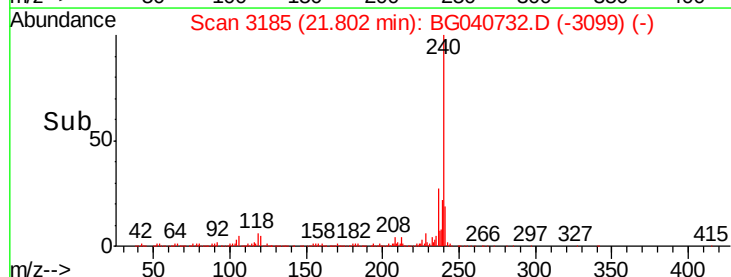
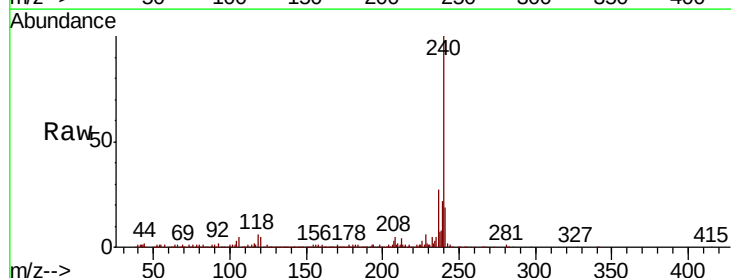
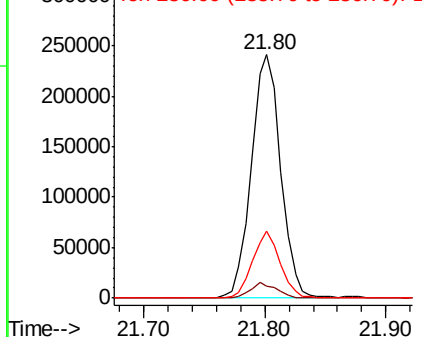
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		407773		
120	5.0	5.0	7.6#		
236	27.4	20.3	30.5		

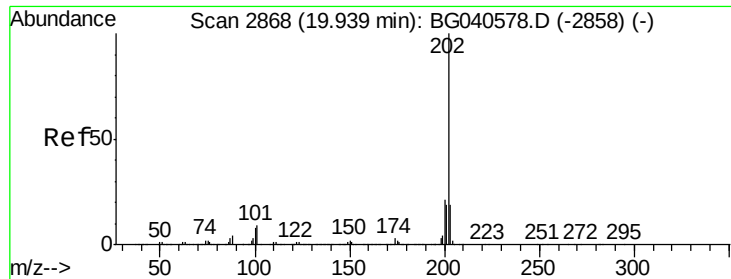
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





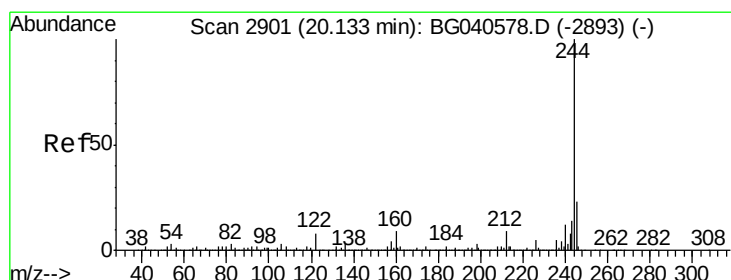
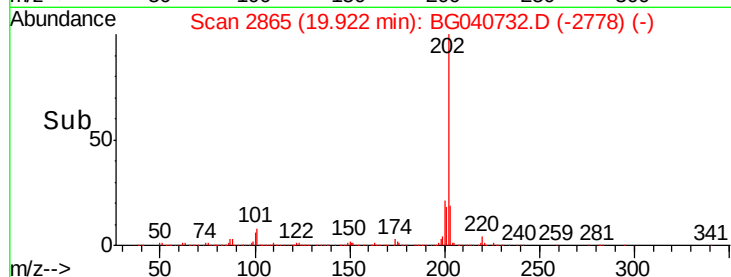
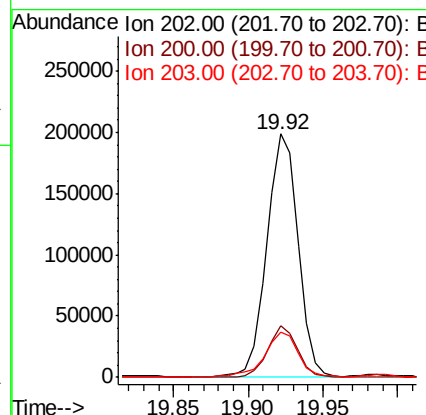
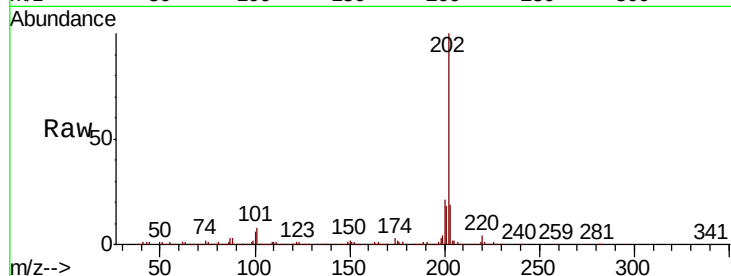
#78
Pvrene
Concen: 11.216 ng
RT: 19.92 min Scan# 2865
Delta R.T. -0.02 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Instrument :
BNA_G
ClientSampled :
SP-1-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	18.7	15.0	22.4

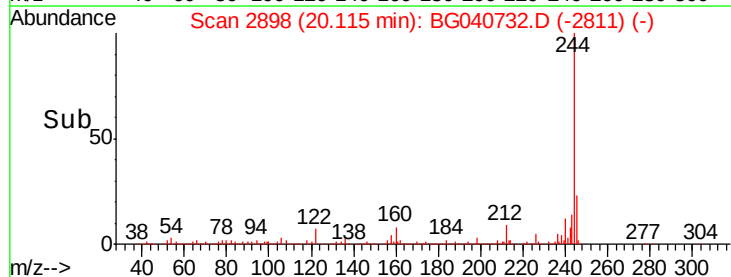
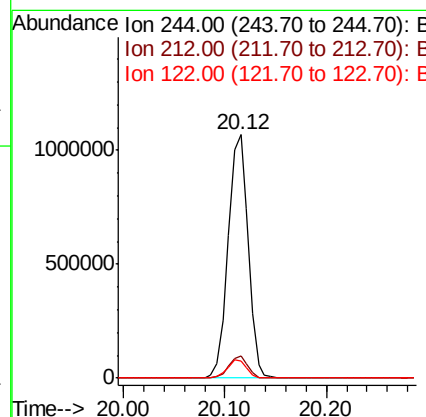
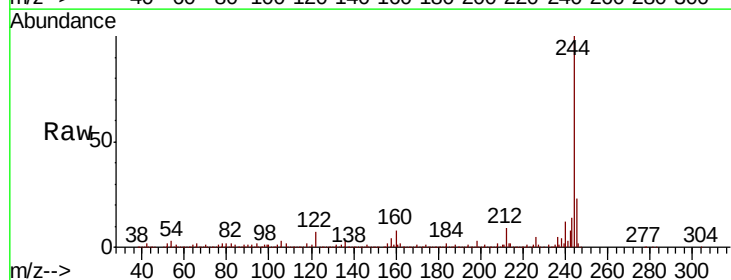
Manual Integrations
APPROVED

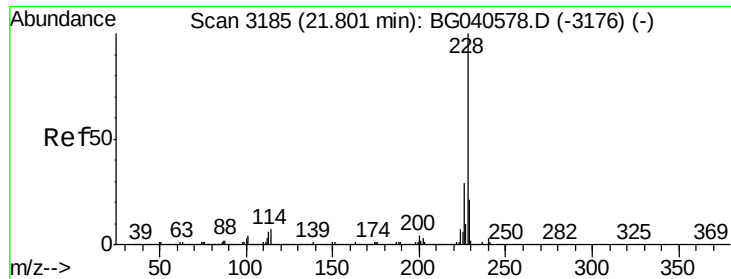
mohammad
5/7/2019 11:58:31 PM



#79
Terphenyl-d14
Concen: 79.489 ng
RT: 20.12 min Scan# 2898
Delta R.T. -0.02 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.2	10.8
122	7.1	6.6	10.0





#81

Benzo(a)anthracene

Concen: 4.552 ng

RT: 21.78 min Scan# 3181

Delta R.T. -0.02 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

Instrument :

BNA_G

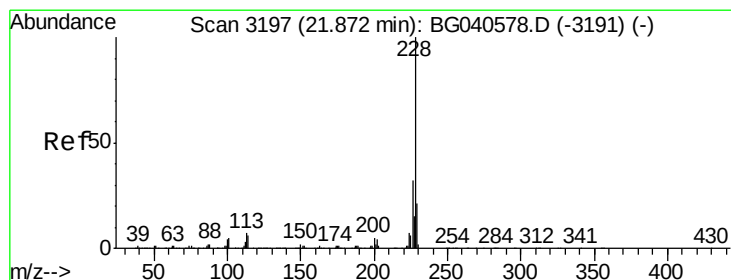
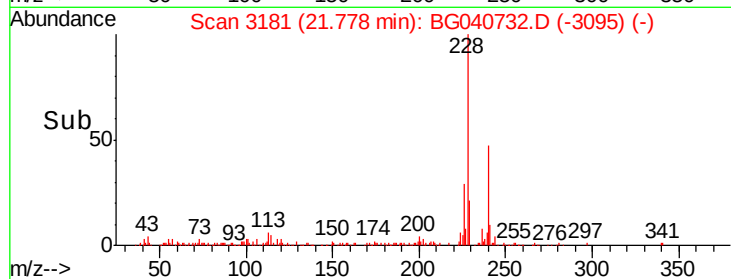
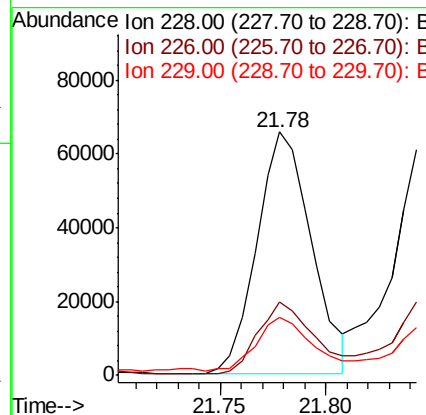
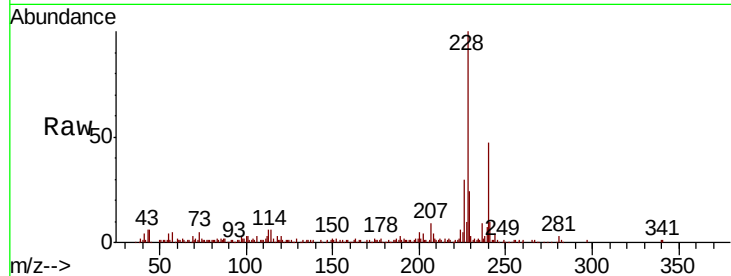
ClientSampleId :

SP-1-A

Tot Ion:	228	Resp:	117306
Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.1	34.7
229	23.7	17.0	25.4

Manual Integrations
APPROVED

mohammad
5/7/2019 11:58:31 PM



#83

Chrysene

Concen: 5.383 ng

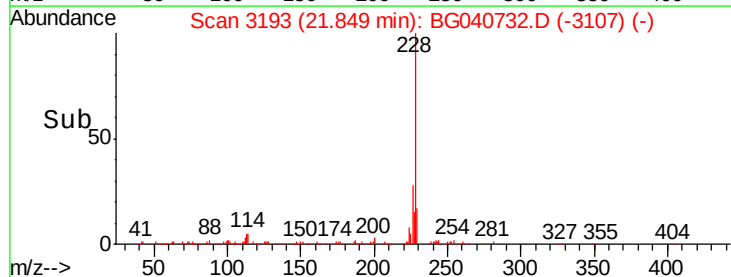
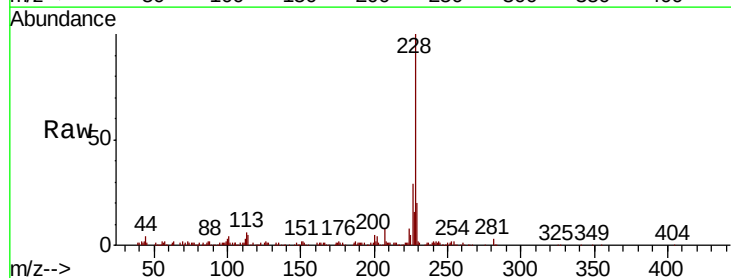
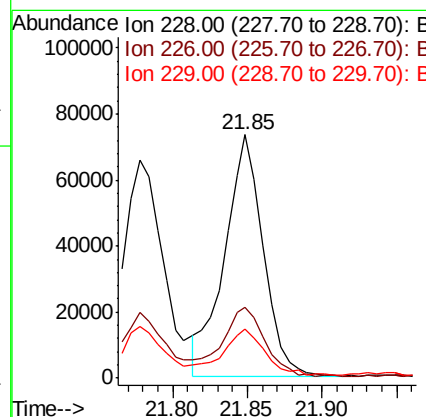
RT: 21.85 min Scan# 3193

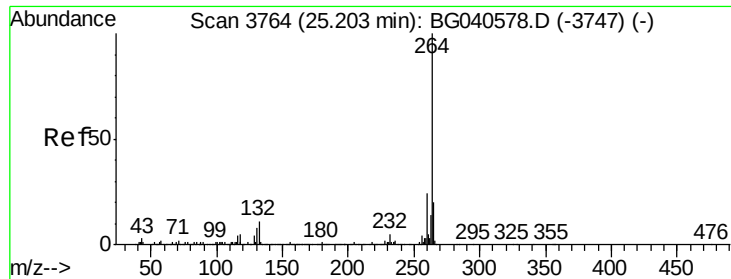
Delta R.T. -0.02 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

Tgt Ion:	228	Resp:	131944
Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.5	38.3
229	20.2	16.8	25.2





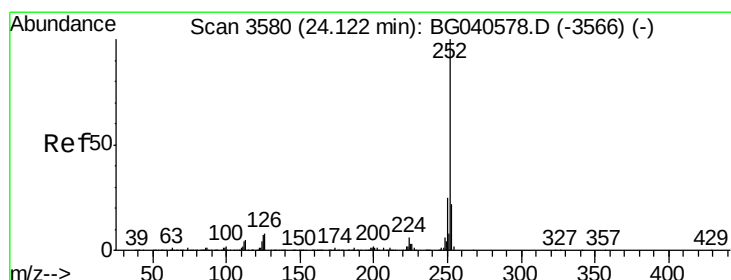
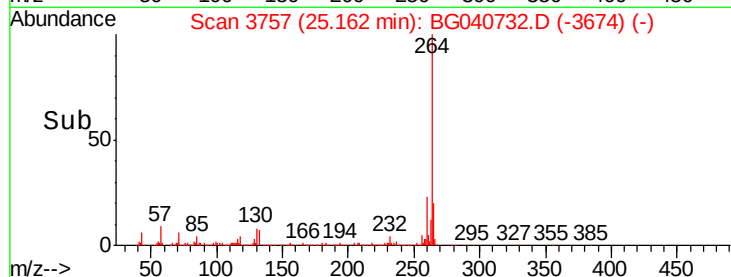
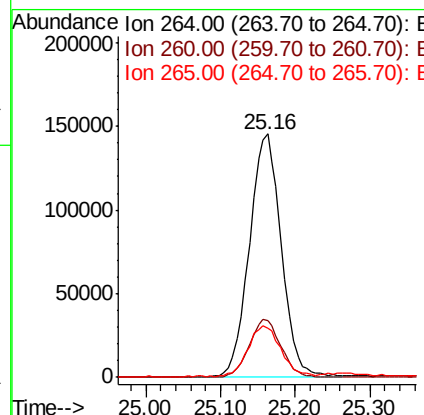
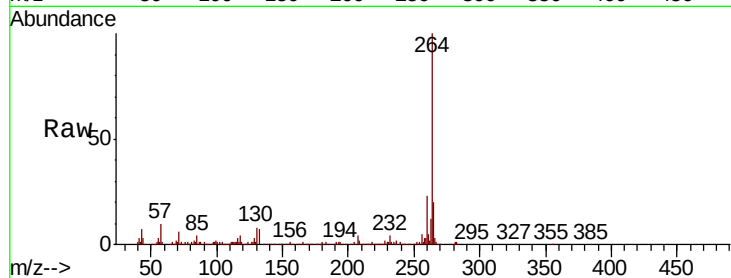
#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3757
Delta R.T. -0.04 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Instrument :
BNA_G
ClientSampleId :
SP-1-A

Tot Ion:	264	Resp:	432220
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.2	28.8
265	20.2	16.6	25.0

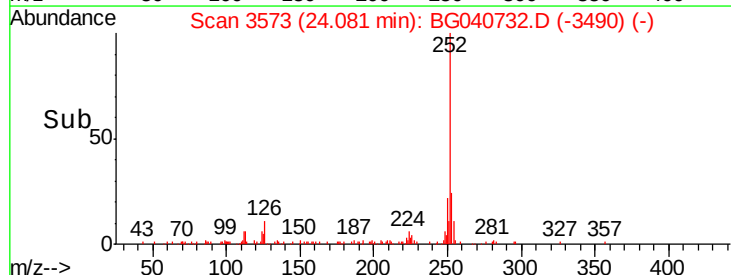
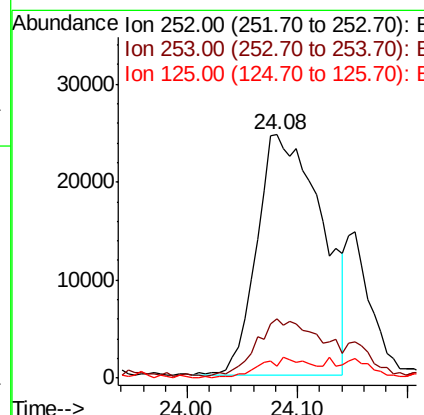
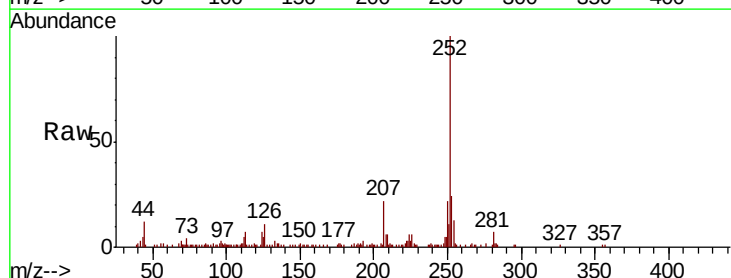
Manual Integrations
APPROVED

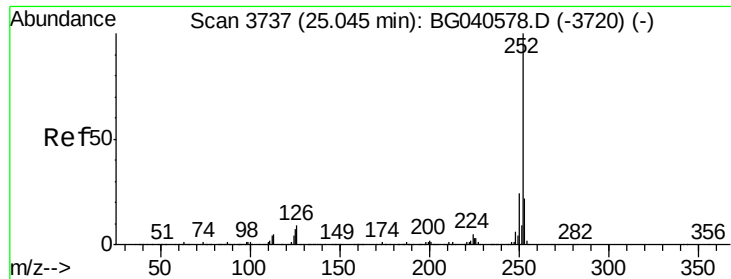
mohammad
5/7/2019 11:58:31 PM



#88
Benzo(b)fluoranthene
Concen: 3.812 ng
RT: 24.08 min Scan# 3573
Delta R.T. -0.04 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Tgt Ion:	252	Resp:	100697
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.6	26.4
125	4.7	5.4	8.0#





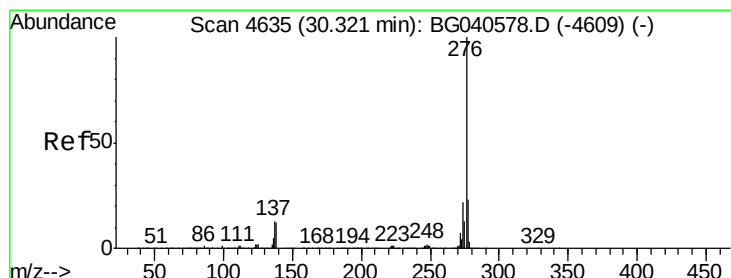
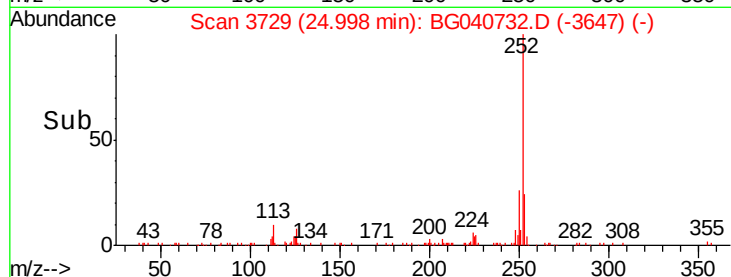
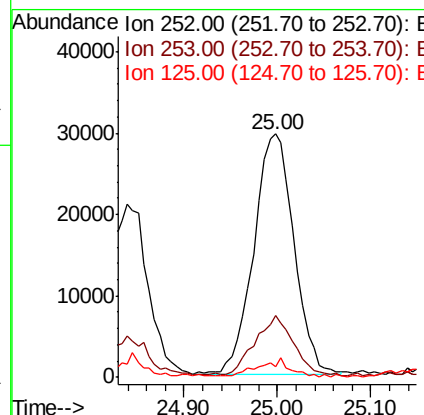
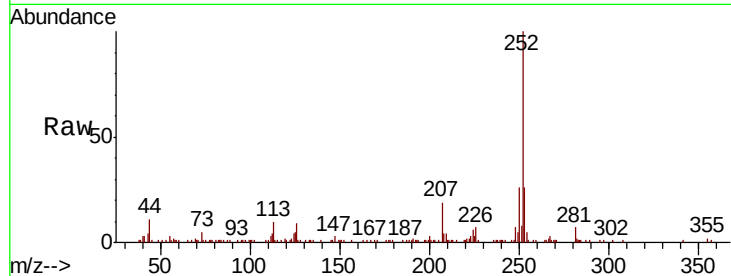
#90
Benzo(a)pyrene
Concen: 3.558 ng m
RT: 25.00 min Scan# 3729
Delta R.T. -0.05 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Instrument :
BNA_G
ClientSampled :
SP-1-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.8	26.6
125	4.6	5.7	8.5#

Manual Integrations
APPROVED

mohammad
5/7/2019 11:58:31 PM



#92
Benzo(g,h,i)perylene
Concen: 2.154 ng
RT: 30.22 min Scan# 4618
Delta R.T. -0.10 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.4	27.6
138	11.5	9.8	14.6

