

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072319\
 Data File : BG041754.D
 Acq On : 23 Jul 2019 13:05
 Operator : HP/JU
 Sample : K3934-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3S

Manual Integrations
 APPROVED

mohammad
 7/24/2019 11:35:27 AM

Quant Time: Jul 24 01:58:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 16:16:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	100928	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	396752	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	279069	20.00	ng	-0.01
64) Phenanthrene-d10	17.39	188	621022	20.00	ng	-0.01
76) Chrysene-d12	21.64	240	645919	20.00	ng	-0.02
87) Perylene-d12	24.83	264	757903	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	330436	53.52	ng	0.00
7) Phenol-d6	7.20	99	451823	54.41	ng	0.00
23) Nitrobenzene-d5	9.20	82	264628	40.56	ng	-0.01
42) 2,4,6-Tribromophenol	16.14	330	215134	68.40	ng	-0.01
45) 2-Fluorobiphenyl	13.29	172	680093	37.74	ng	-0.01
79) Terphenyl-d14	20.00	244	1101218	39.84	ng	-0.01
Target Compounds						Qvalue
50) Dimethylphthalate	14.10	163	82088	3.745	ng	98
71) Phenanthrene	17.44	178	98173	3.139	ng	94
75) Fluoranthene	19.44	202	177454	4.621	ng	87
78) Pyrene	19.80	202	166092	3.802	ng #	87
81) Benzo(a)anthracene	21.63	228	94058m	2.254	ng	
83) Chrysene	21.69	228	85802	2.152	ng	91
88) Benzo(b)fluoranthene	23.82	252	120424	2.619	ng	98
90) Benzo(a)pyrene	24.68	252	88013m	2.023	ng	

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

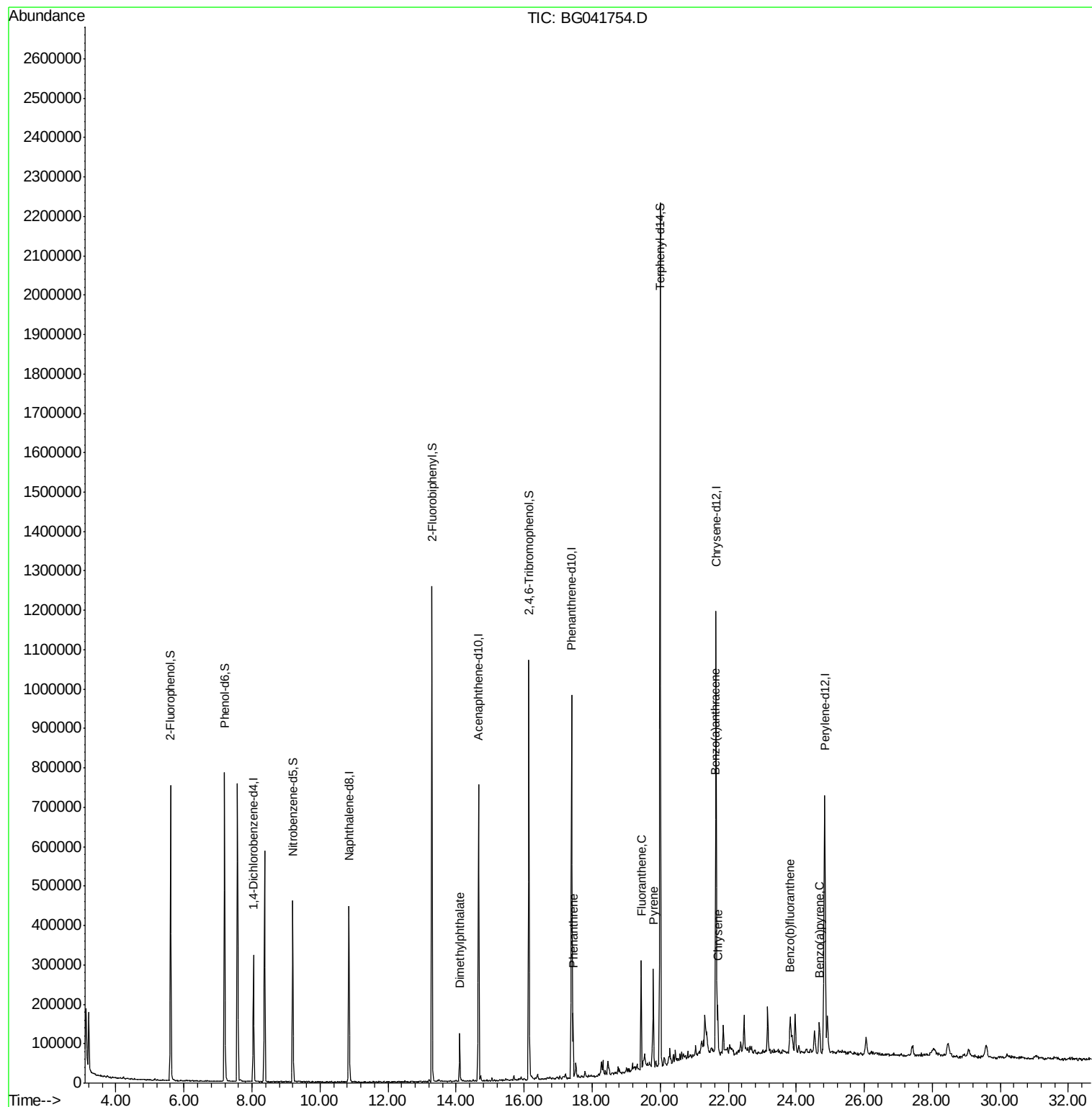
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072319\
Data File : BG041754.D
Acq On : 23 Jul 2019 13:05
Operator : HP/JU
Sample : K3934-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

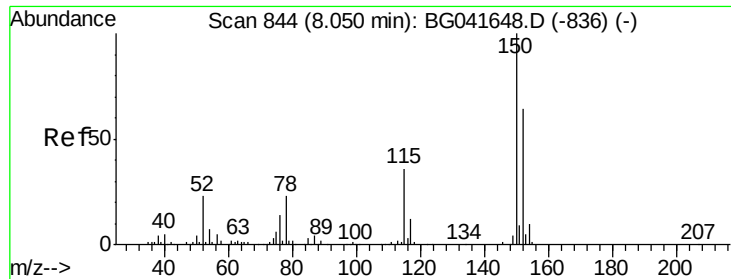
Instrument :
BNA_G
ClientSampleId :
TP-3S

Manual Integrations
APPROVED

mohammad
7/24/2019 11:35:27 AM

Quant Time: Jul 24 01:58:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 15 16:16:21 2019
Response via : Initial Calibration





#1

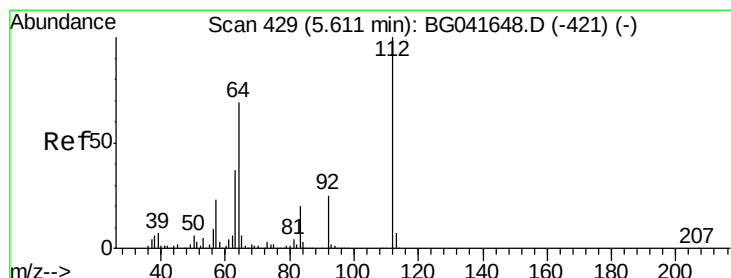
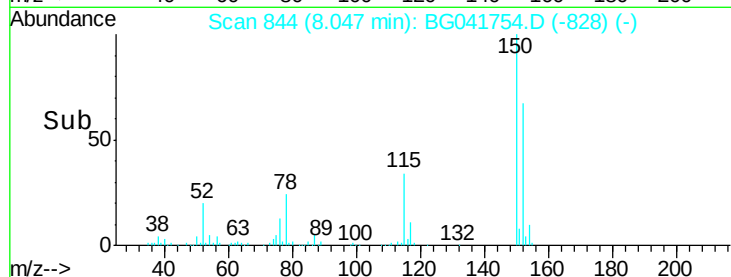
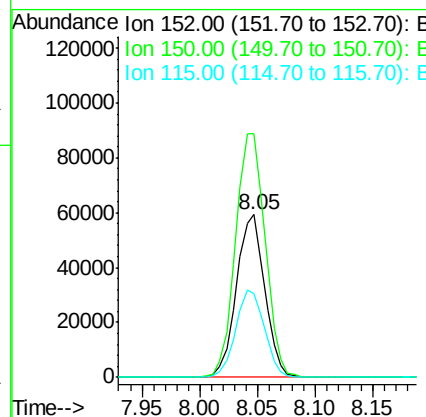
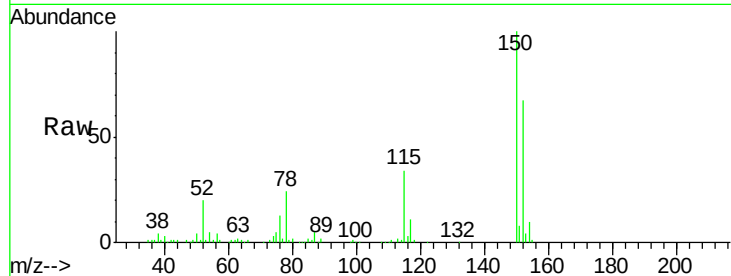
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG041754.D
Acq: 23 Jul 2019 13:05

Instrument :
BNA_G
ClientSampleId :
TP-3S

Tot Ion	Ratio	Resp	Lower	Upper
152	100	100928		
150	149.6	126.9	190.3	
115	51.6	45.0	67.6	

Manual Integrations
APPROVED

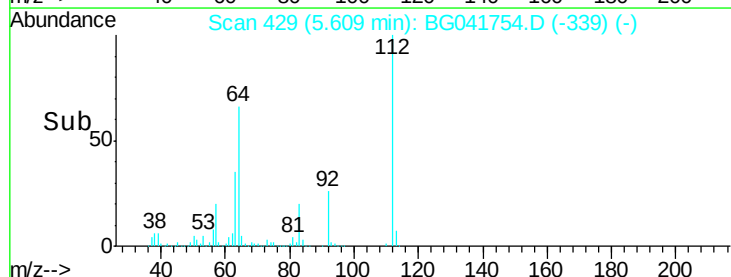
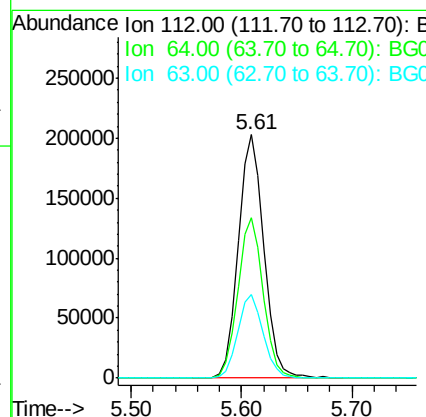
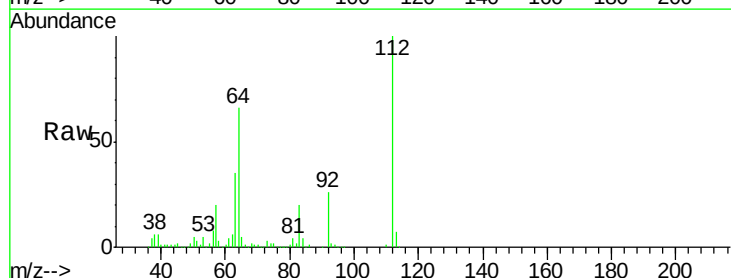
mohammad
7/24/2019 11:35:27 AM

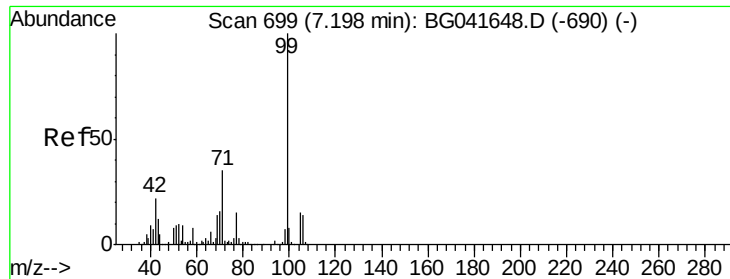


#5

2-Fluorophenol
Concen: 53.521 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.00 min
Lab File: BG041754.D
Acq: 23 Jul 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	330436		
64	66.1	55.4	83.2	
63	34.6	29.1	43.7	





#7

Phenol-d6

Concen: 54.409 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG041754.D

Acq: 23 Jul 2019 13:05

Instrument :

BNA_G

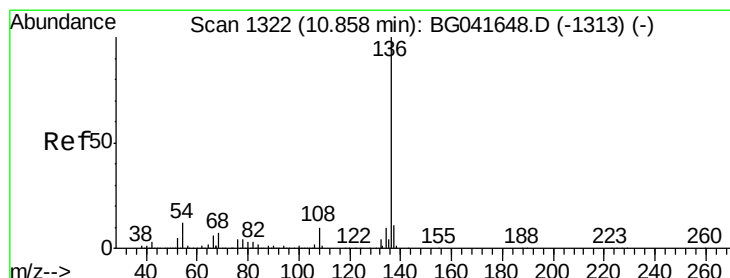
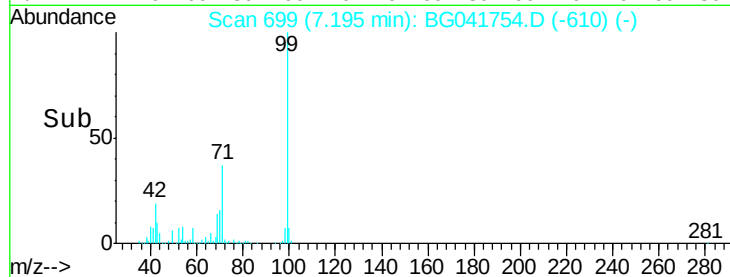
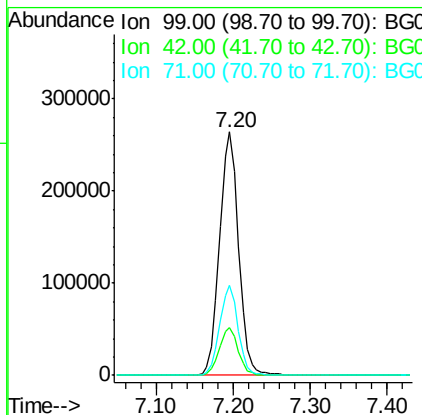
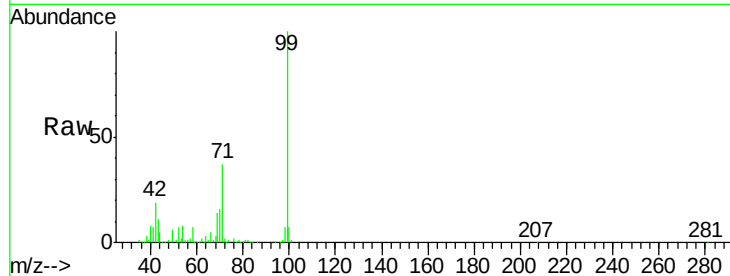
ClientSampleId :

TP-3S

Tot Ion:	99	Resp:	451823
Ion	Ratio	Lower	Upper
99	100		
42	19.5	17.6	26.4
71	36.9	27.8	41.6

Manual Integrations
APPROVED

mohammad
7/24/2019 11:35:27 AM



#21

Naphthalene-d8

Concen: 20.000 ng

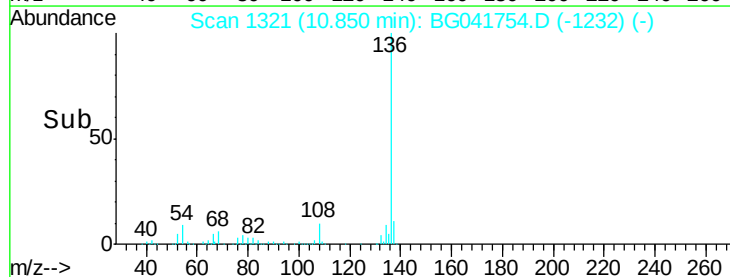
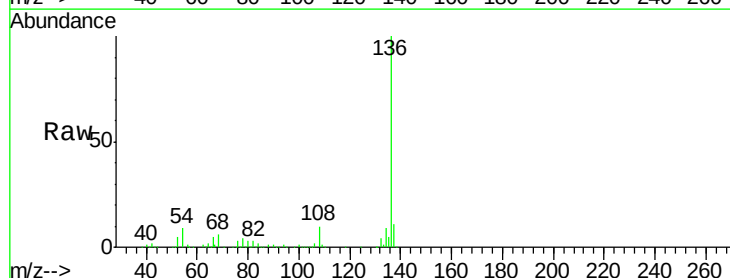
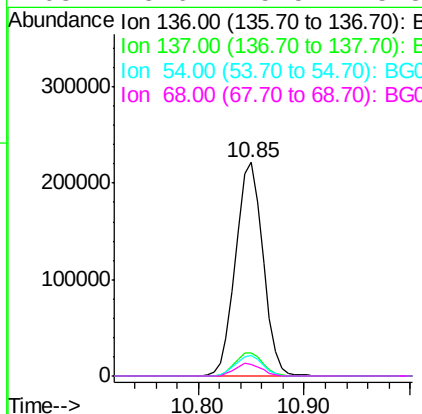
RT: 10.85 min Scan# 1321

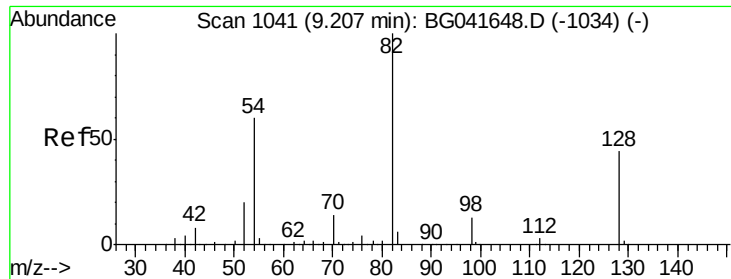
Delta R.T. -0.01 min

Lab File: BG041754.D

Acq: 23 Jul 2019 13:05

Tgt Ion:	136	Resp:	396752
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	9.5	8.7	13.1
68	5.6	5.5	8.3





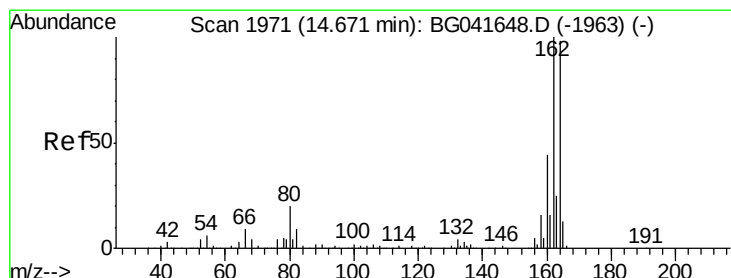
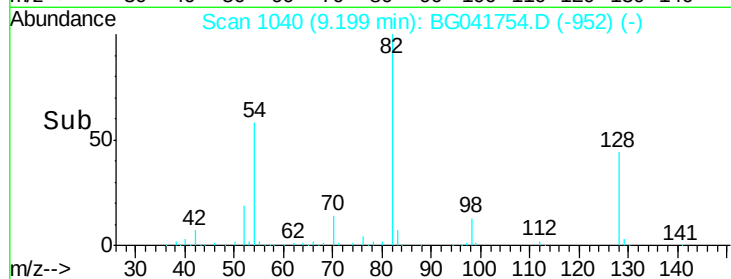
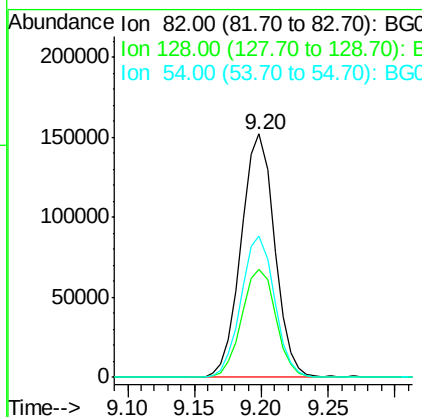
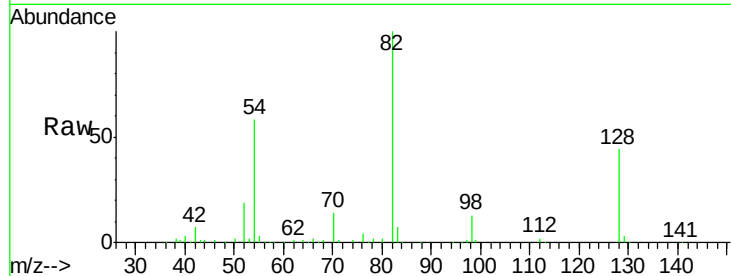
#23
Nitrobenzene-d5
Concen: 40.563 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG041754.D
Acq: 23 Jul 2019 13:05

Instrument :
BNA_G
ClientSampled :
TP-3S

Tot Ion	Ratio	Resp	Lower	Upper
82	100	264628		
128	44.2		35.1	52.7
54	58.2		48.7	73.1

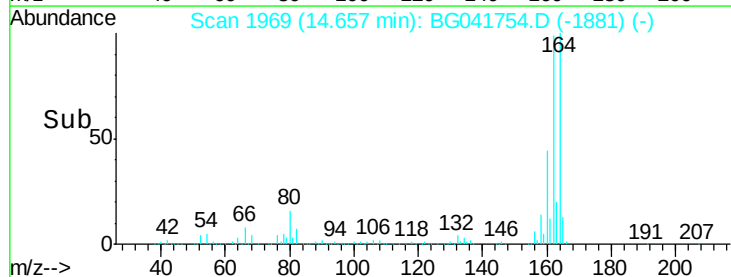
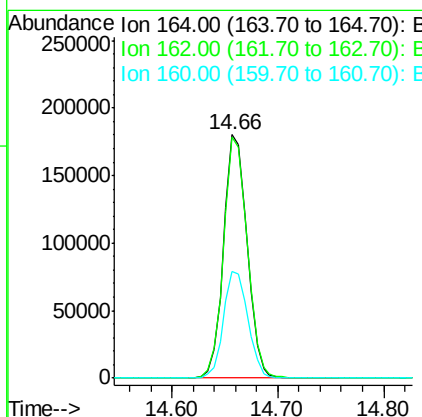
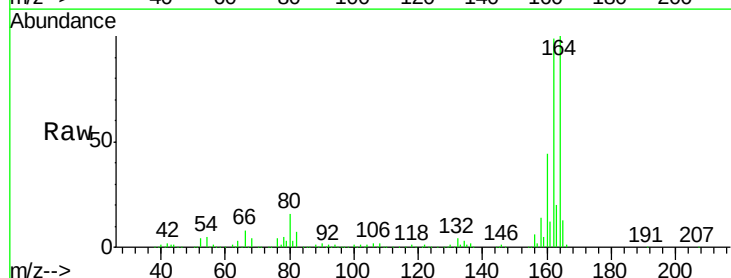
Manual Integrations
APPROVED

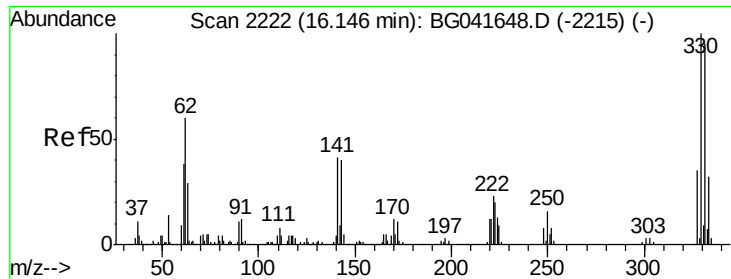
mohammad
7/24/2019 11:35:27 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG041754.D
Acq: 23 Jul 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	279069		
162	98.8		79.6	119.4
160	43.7		35.4	53.0





#42

2,4,6-Tribromophenol

Concen: 68.404 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG041754.D

Acq: 23 Jul 2019 13:05

Instrument :

BNA_G

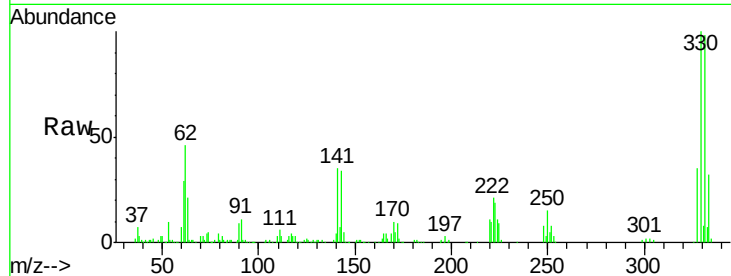
ClientSampled :

TP-3S

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.0
141	34.3	31.9	47.9

Manual Integrations
APPROVED

mohammad
7/24/2019 11:35:27 AM

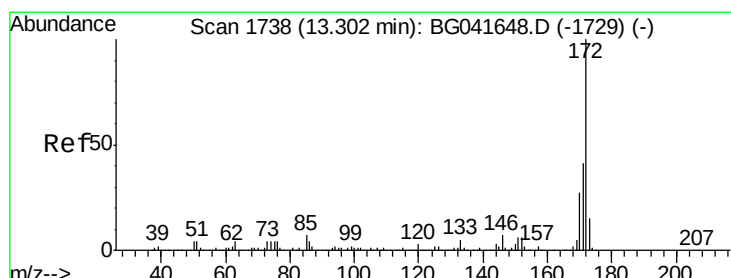
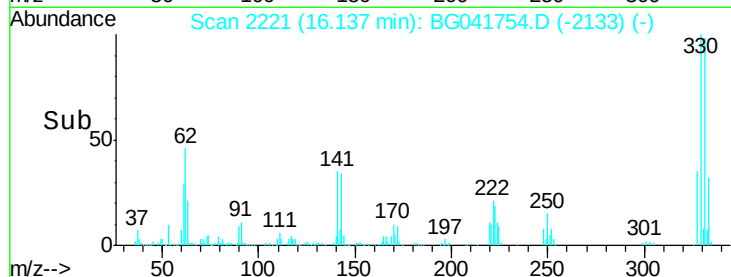
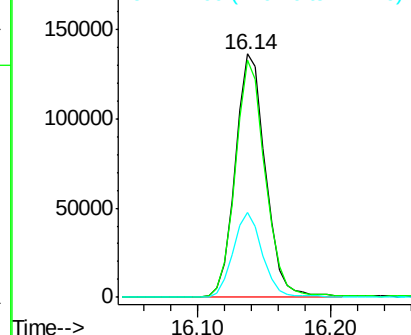


Abundance

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: 37.737 ng

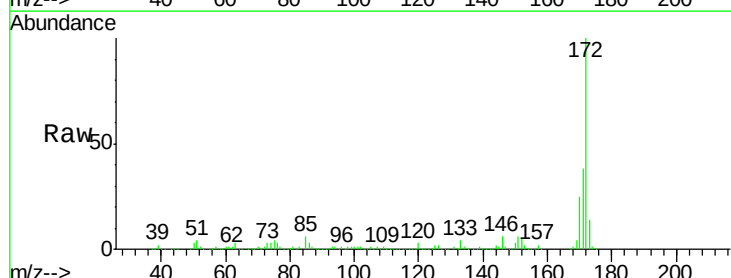
RT: 13.29 min Scan# 1736

Delta R.T. -0.01 min

Lab File: BG041754.D

Acq: 23 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	35.0	52.4
170	24.8	23.5	35.3

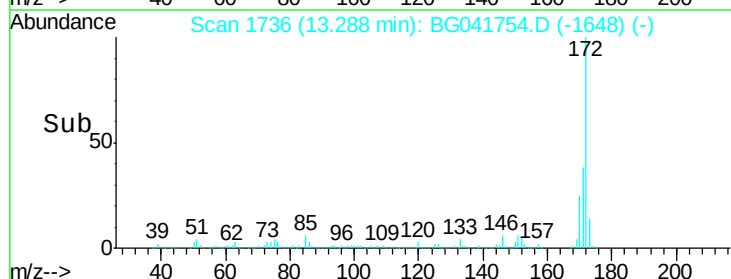
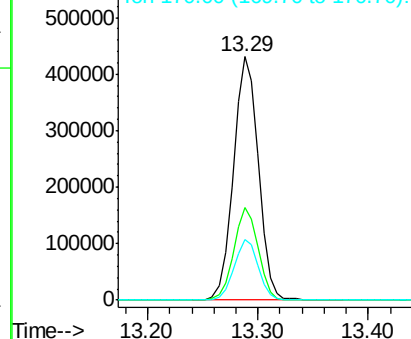


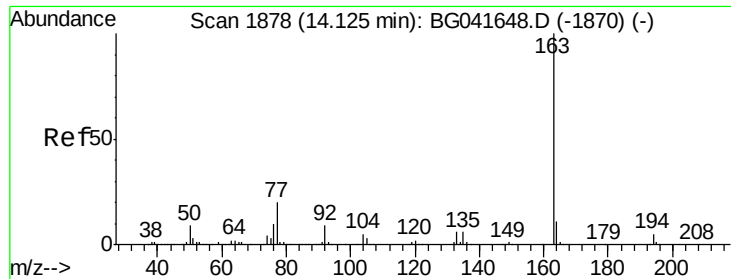
Abundance

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





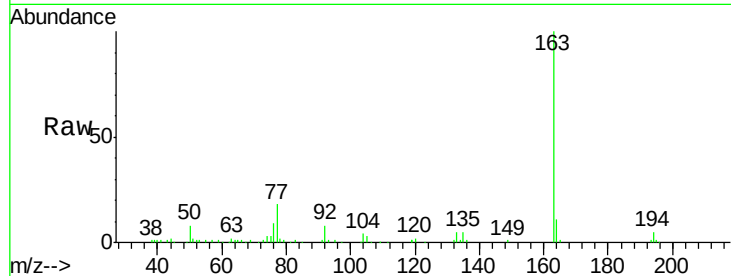
#50
Dimethylphthalate
Concen: 3.745 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.02 min
Lab File: BG041754.D
Acq: 23 Jul 2019 13:05

Instrument :
BNA_G
ClientSampleId :
TP-3S

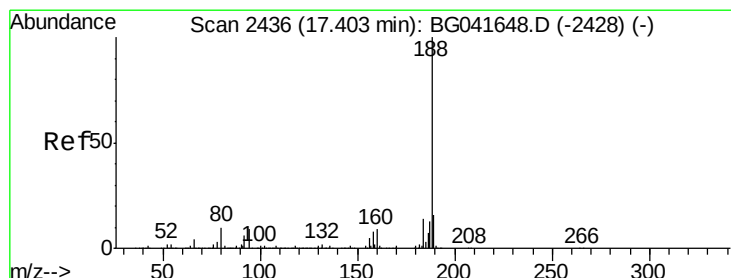
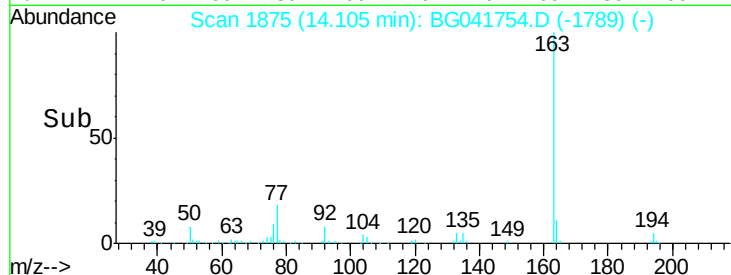
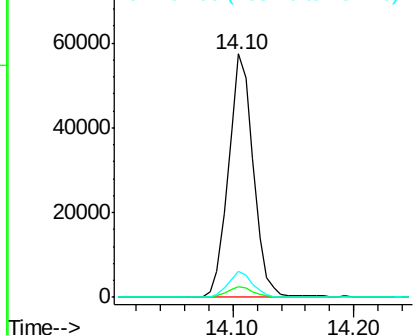
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	4.2	6.2
164	10.8	9.4	14.2

Manual Integrations
APPROVED

mohammad
7/24/2019 11:35:27 AM

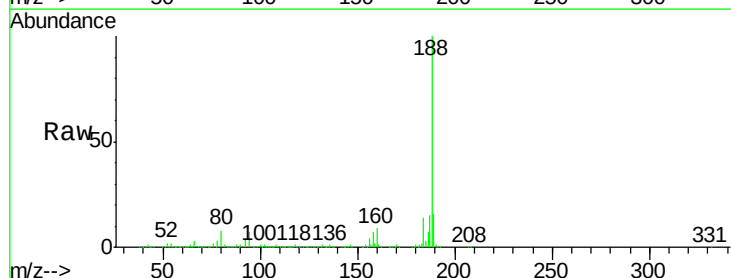


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

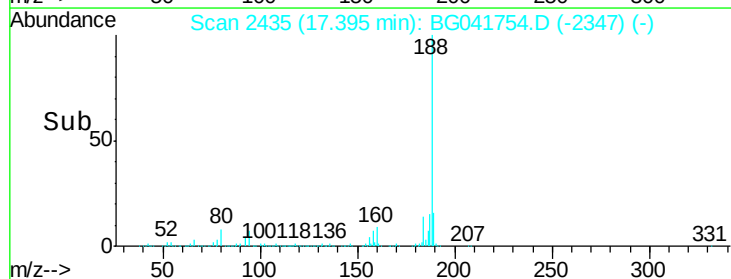
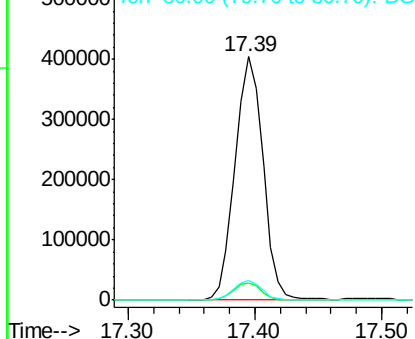


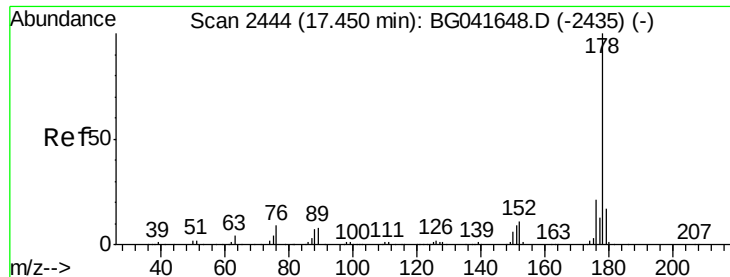
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BG041754.D
Acq: 23 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.9	10.3
80	8.3	8.0	12.0



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





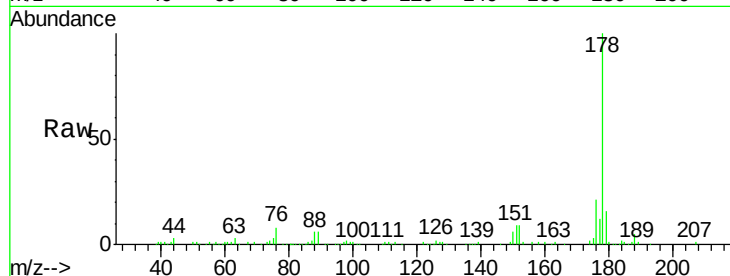
#71
Phenanthrene
Concen: 3.139 ng
RT: 17.44 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BG041754.D
Acq: 23 Jul 2019 13:05

Instrument :
BNA_G
ClientSampleId :
TP-3S

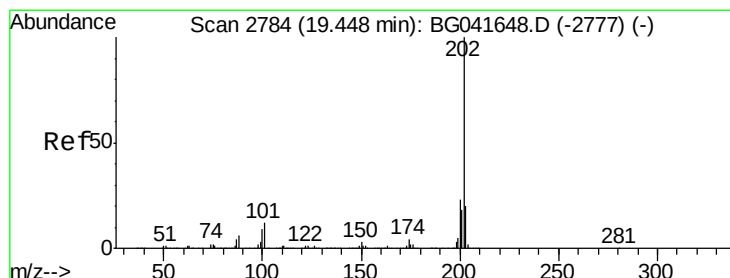
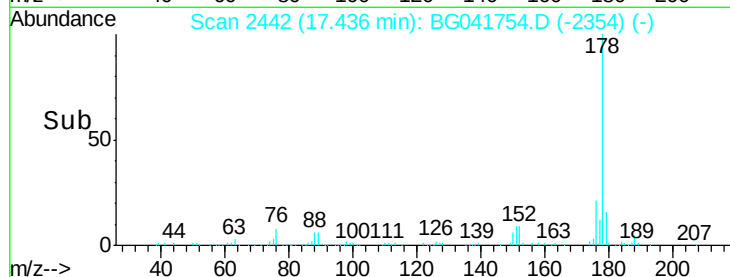
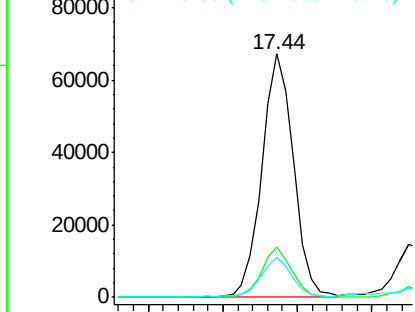
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	18.6	28.0
179	16.2	15.4	23.0

Manual Integrations
APPROVED

mohammad
7/24/2019 11:35:27 AM

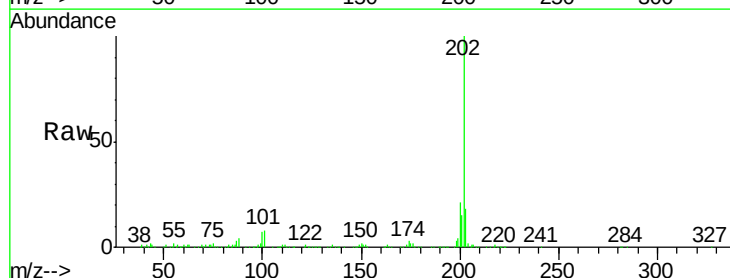


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

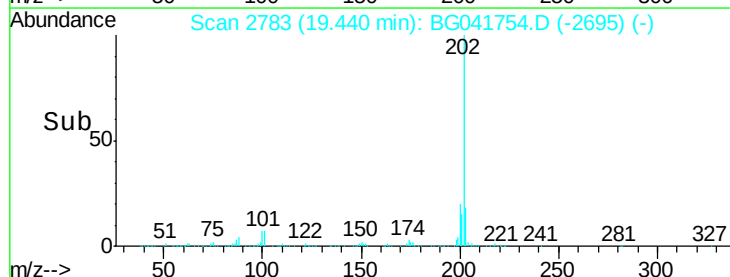
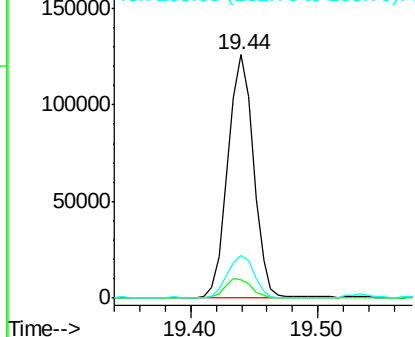


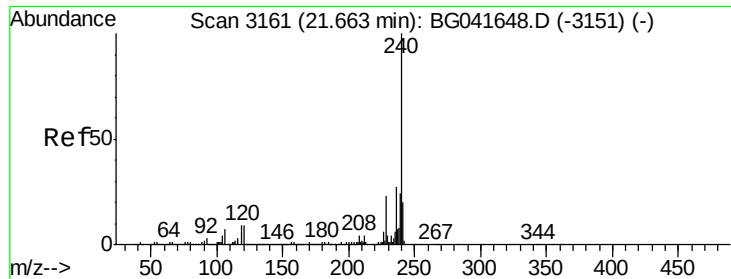
#75
Fluoranthene
Concen: 4.621 ng
RT: 19.44 min Scan# 2783
Delta R.T. -0.01 min
Lab File: BG041754.D
Acq: 23 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	32.8
203	17.6	3.7	43.7



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





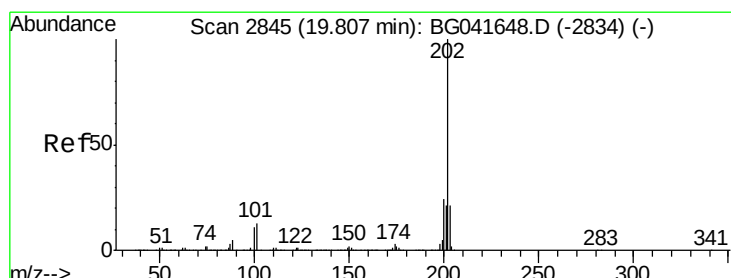
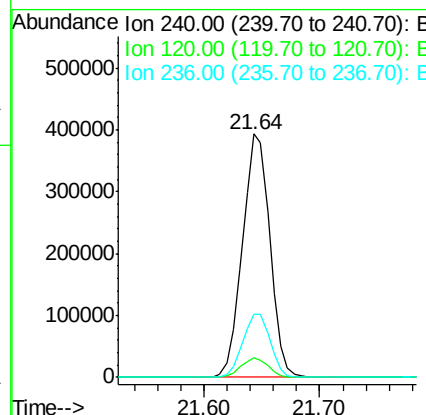
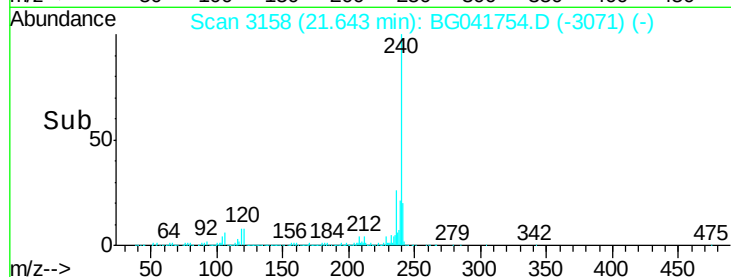
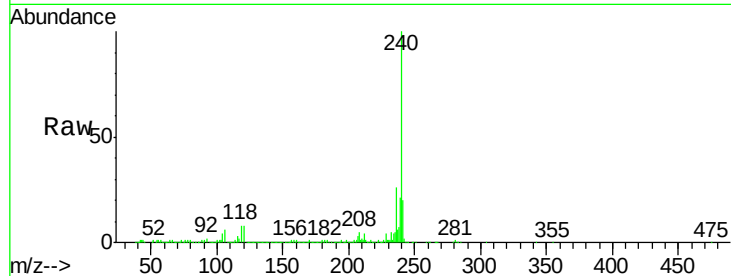
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3158
Delta R.T. -0.02 min
Lab File: BG041754.D
Acq: 23 Jul 2019 13:05

Instrument :
BNA_G
ClientSampled :
TP-3S

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	7.9	8.0	12.0#	
236	26.2	22.6	33.8	

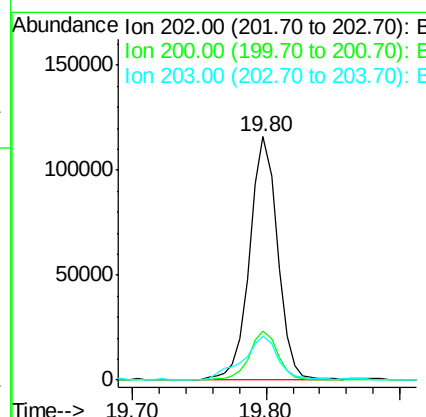
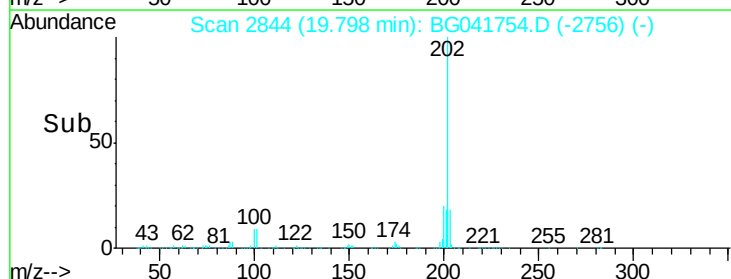
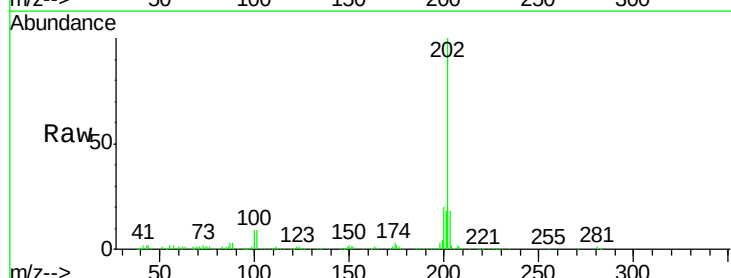
Manual Integrations
APPROVED

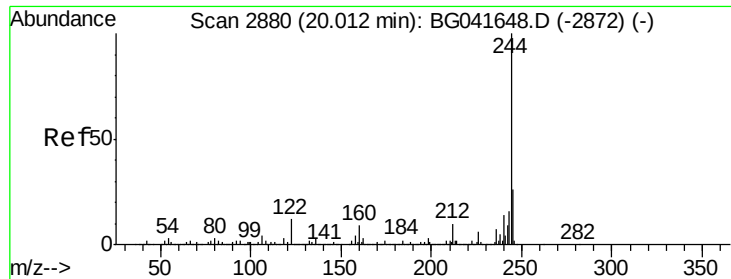
mohammad
7/24/2019 11:35:27 AM



#78
Pyrene
Concen: 3.802 ng
RT: 19.80 min Scan# 2844
Delta R.T. -0.01 min
Lab File: BG041754.D
Acq: 23 Jul 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.3	22.2	33.2#	
203	17.8	18.9	28.3#	





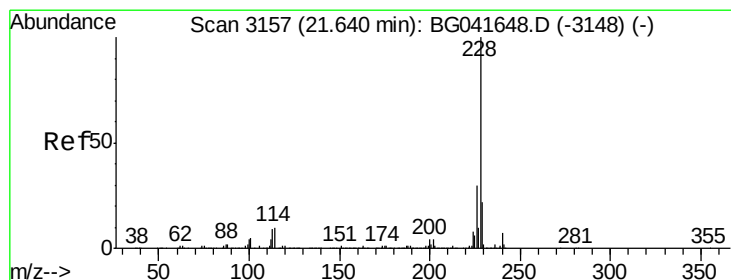
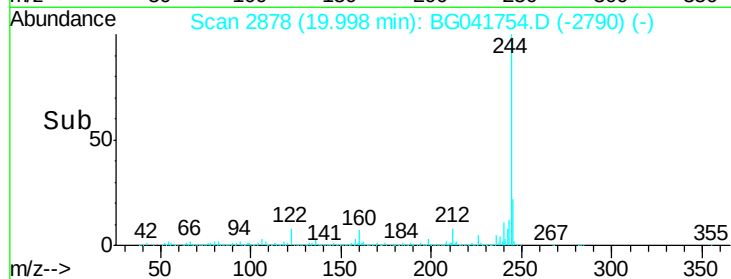
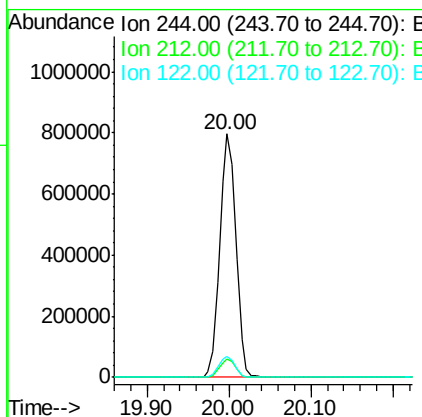
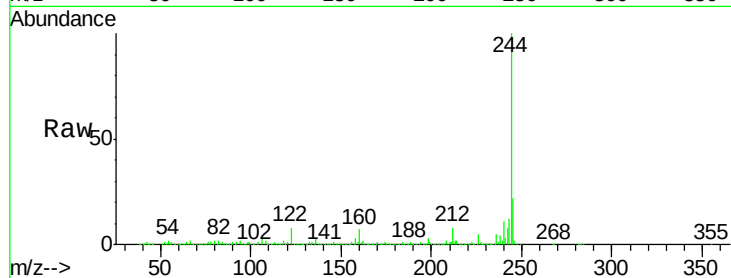
#79
 Terphenyl-d14
 Concen: 39.841 ng
 RT: 20.00 min Scan# 2878
 Delta R.T. -0.01 min
 Lab File: BG041754.D
 Acq: 23 Jul 2019 13:05

Instrument :
 BNA_G
 ClientSampled :
 TP-3S

Tot Ion:244 Resp: 1101218
 Ion Ratio Lower Upper
 244 100
 212 7.7 9.7 14.5#
 122 8.3 12.5 18.7#

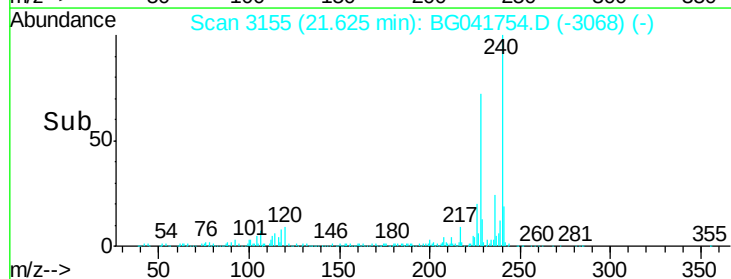
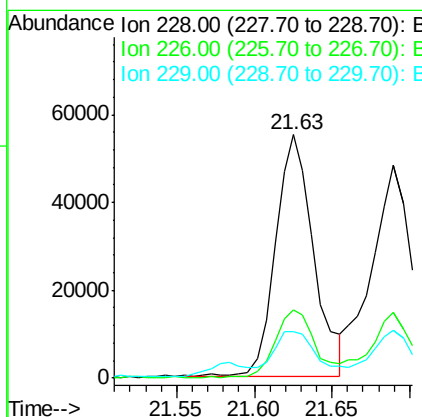
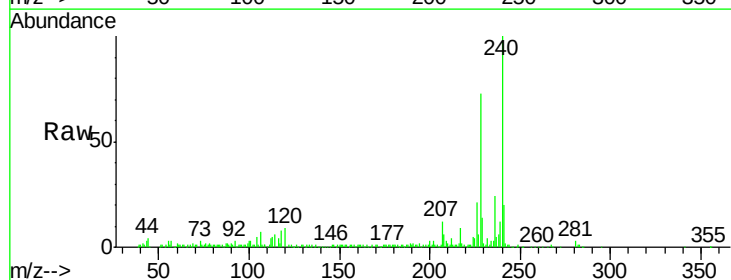
Manual Integrations
 APPROVED

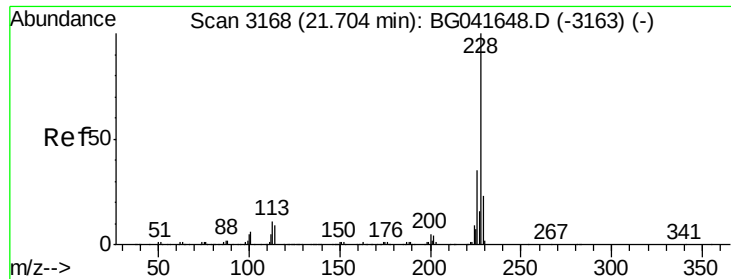
mohammad
 7/24/2019 11:35:27 AM



#81
 Benzo(a)anthracene
 Concen: 2.254 ng m
 RT: 21.63 min Scan# 3155
 Delta R.T. -0.02 min
 Lab File: BG041754.D
 Acq: 23 Jul 2019 13:05

Tgt Ion:228 Resp: 94058
 Ion Ratio Lower Upper
 228 100
 226 28.2 27.3 40.9
 229 18.8 19.7 29.5#





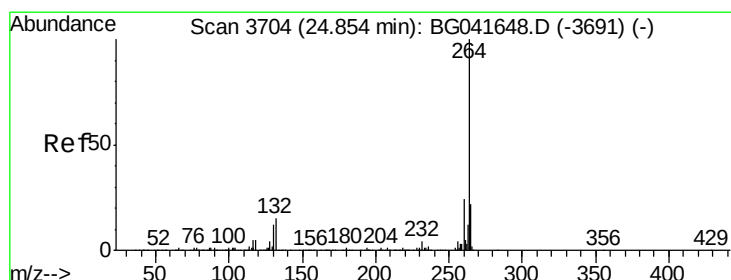
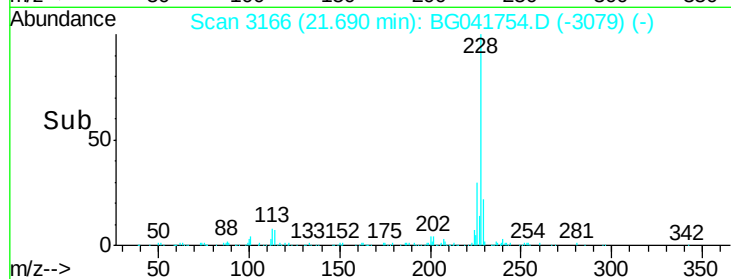
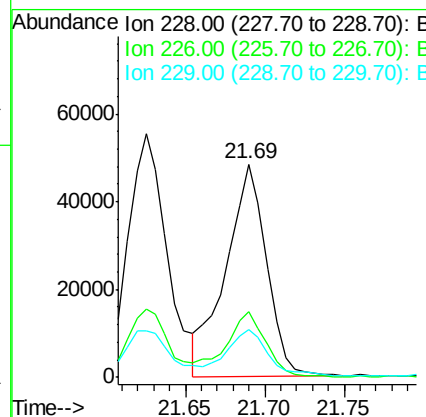
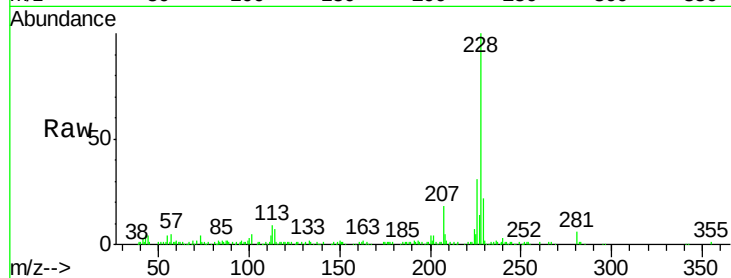
#83
Chrysene
Concen: 2.152 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.02 min
Lab File: BG041754.D
Acq: 23 Jul 2019 13:05

Instrument :
BNA_G
ClientSampleId :
TP-3S

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	30.1	45.1
229	22.3	19.8	29.6

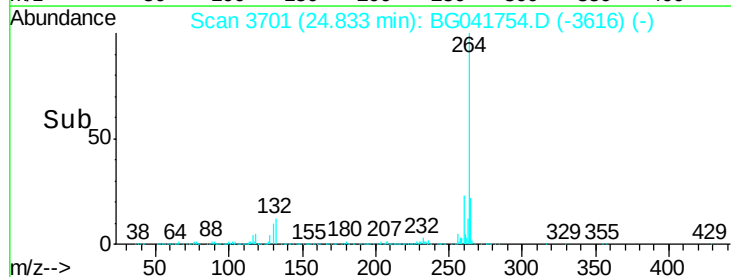
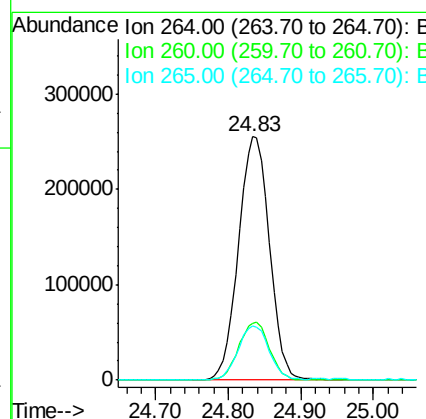
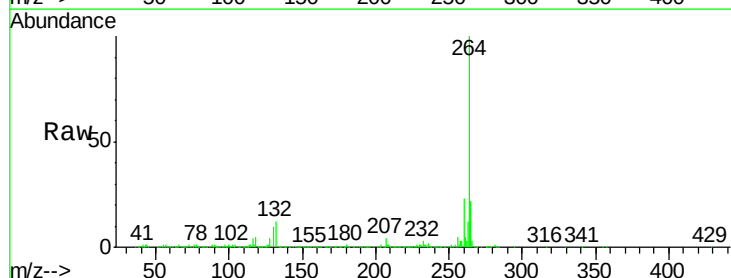
Manual Integrations
APPROVED

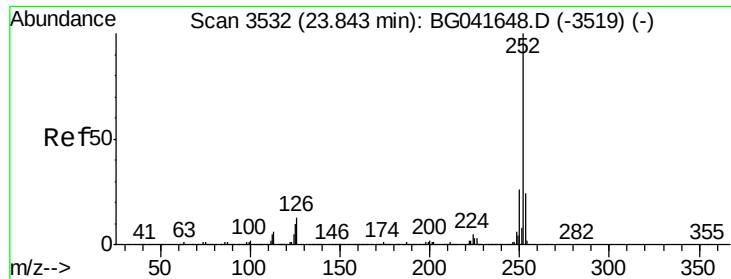
mohammad
7/24/2019 11:35:27 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.83 min Scan# 3701
Delta R.T. -0.03 min
Lab File: BG041754.D
Acq: 23 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	22.3	18.0	27.0





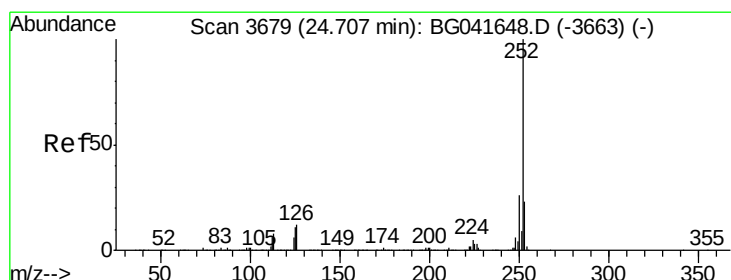
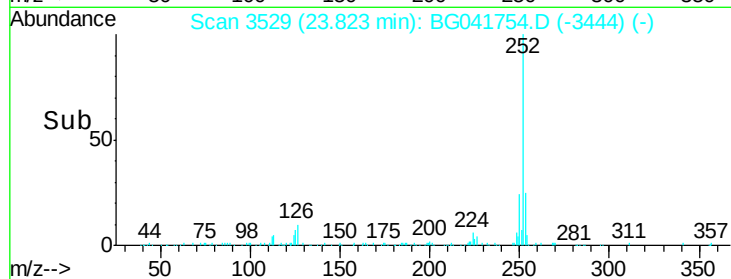
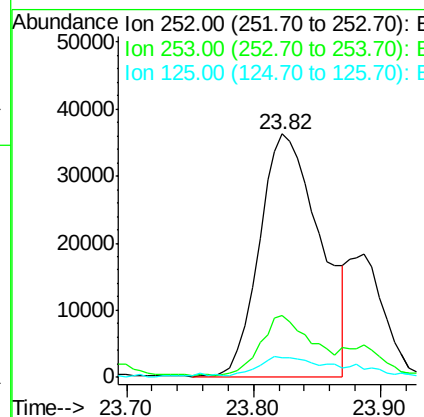
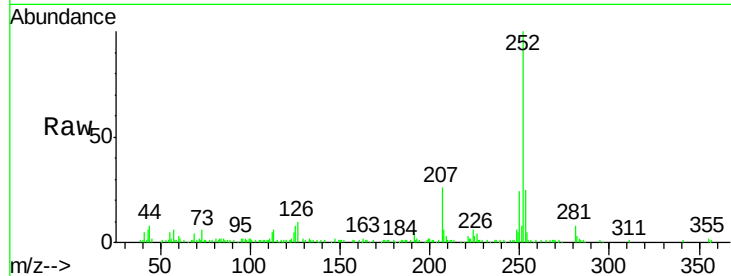
#88
Benzo(b)fluoranthene
Concen: 2.619 ng
RT: 23.82 min Scan# 3529
Delta R.T. -0.03 min
Lab File: BG041754.D
Acq: 23 Jul 2019 13:05

Instrument :
BNA_G
ClientSampled :
TP-3S

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	20.6	30.8
125	8.1	8.0	12.0

Manual Integrations
APPROVED

mohammad
7/24/2019 11:35:27 AM



#90
Benzo(a)pyrene
Concen: 2.023 ng m
RT: 24.68 min Scan# 3675
Delta R.T. -0.04 min
Lab File: BG041754.D
Acq: 23 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.5	19.8	29.8
125	8.5	8.8	13.2#

