

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070319\
 Data File : BG041599.D
 Acq On : 3 Jul 2019 21:01
 Operator : HP/JU
 Sample : K3581-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PE-13A

Manual Integrations
 APPROVED

mohammad
 7/8/2019 2:11:34 PM

Quant Time: Jul 05 08:37:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG062619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 13:25:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	26420	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	100772	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	84249	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	186423	20.00	ng	0.01
76) Chrysene-d12	21.70	240	212237	20.00	ng	0.00
87) Perylene-d12	24.98	264	227363	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	172718	116.55	ng	0.00
7) Phenol-d6	7.19	99	251014	120.33	ng	0.00
23) Nitrobenzene-d5	9.22	82	195686	80.99	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	182972	127.20	ng	0.02
45) 2-Fluorobiphenyl	13.30	172	508093	77.39	ng	0.00
79) Terphenyl-d14	20.03	244	916200	91.74	ng	0.00
Target Compounds						
31) Naphthalene	10.90	128	83478	14.979	ng	Qvalue # 48
37) 2-Methylnaphthalene	12.52	142	796762	193.521	ng	99
38) 1-Methylnaphthalene	12.74	142	998751m	254.270	ng	
50) Dimethylphthalate	14.13	163	77939	10.166	ng	# 89
52) Acenaphthene	14.75	154	88562	17.499	ng	# 77
58) Fluorene	15.73	166	178821	25.513	ng	# 93
71) Phenanthrene	17.48	178	794945	77.396	ng	94
75) Fluoranthene	19.48	202	119383	8.718	ng	91
78) Pyrene	19.85	202	197715	13.646	ng	# 82
81) Benzo(a)anthracene	21.67	228	32063	2.173	ng	# 85
83) Chrysene	21.74	228	31763	2.224	ng	# 94
88) Benzo(b)fluoranthene	23.93	252	29486	2.033	ng	# 94

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

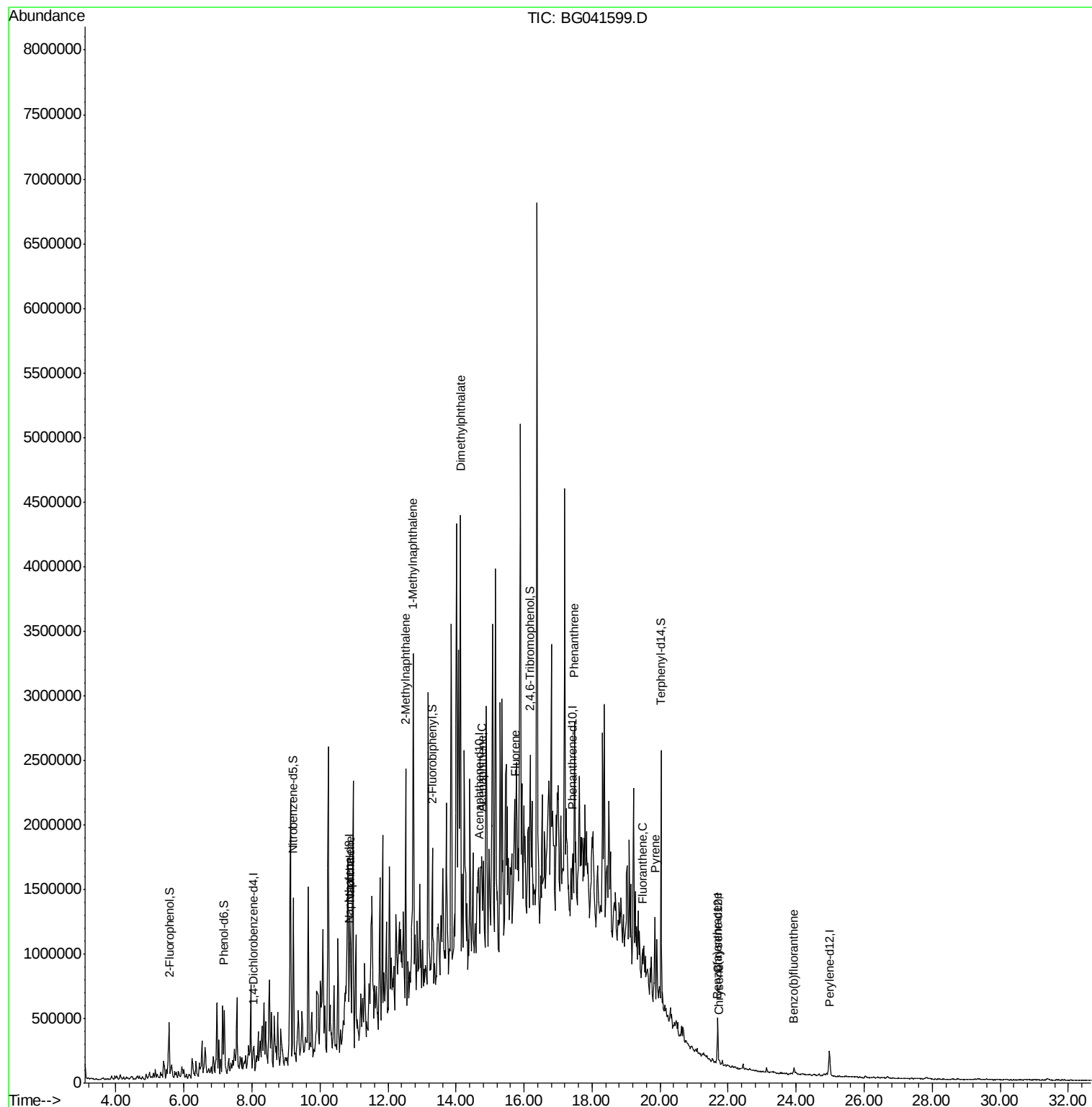
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070319\
Data File : BG041599.D
Acq On : 3 Jul 2019 21:01
Operator : HP/JU
Sample : K3581-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

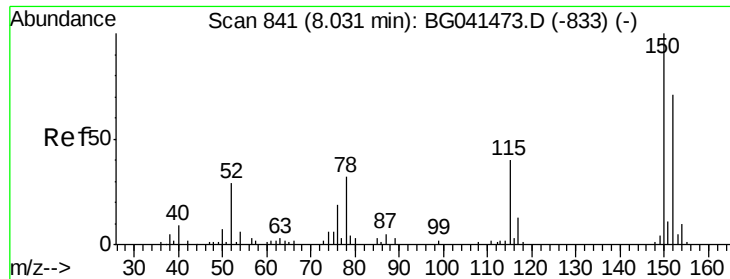
Instrument :
BNA_G
ClientSampleId :
PE-13A

Manual Integrations
APPROVED

mohammad
7/8/2019 2:11:34 PM

Quant Time: Jul 05 08:37:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:25:55 2019
Response via : Initial Calibration





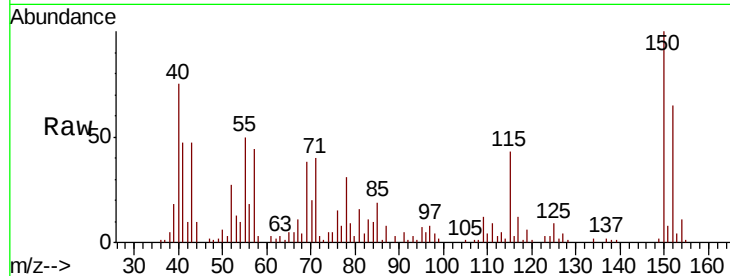
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.03 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: BG041599.D
 Acq: 3 Jul 2019 21:01

Instrument :
 BNA_G
 ClientSampleId :
 PE-13A

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	112.4	168.6
115	66.5	44.6	66.8

Manual Integrations
 APPROVED

mohammad
 7/8/2019 2:11:34 PM

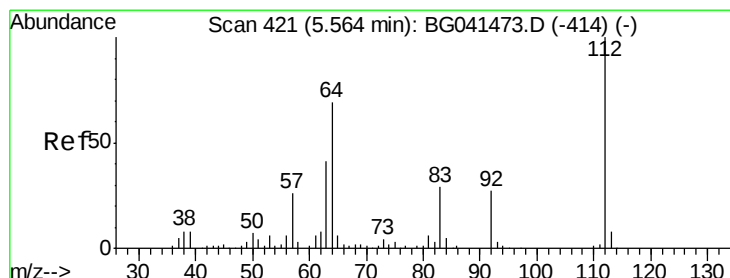
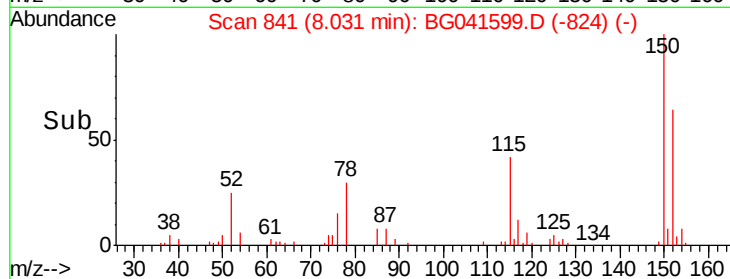
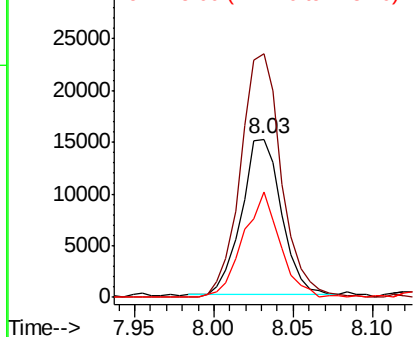


Abundance

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: 116.552 ng
 RT: 5.56 min Scan# 421
 Delta R.T. -0.00 min
 Lab File: BG041599.D
 Acq: 3 Jul 2019 21:01

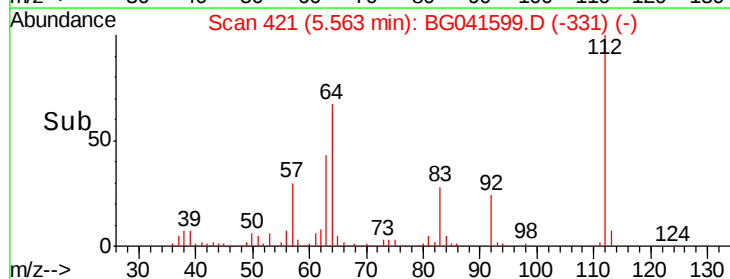
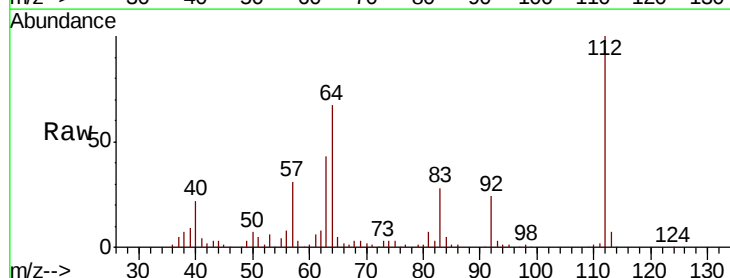
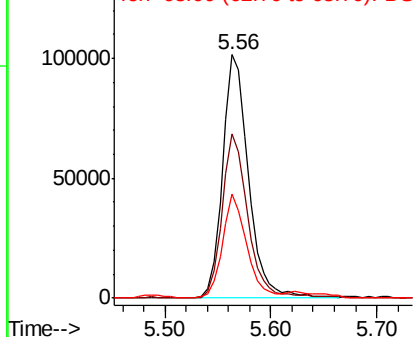
Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	55.1	82.7
63	42.6	32.4	48.6

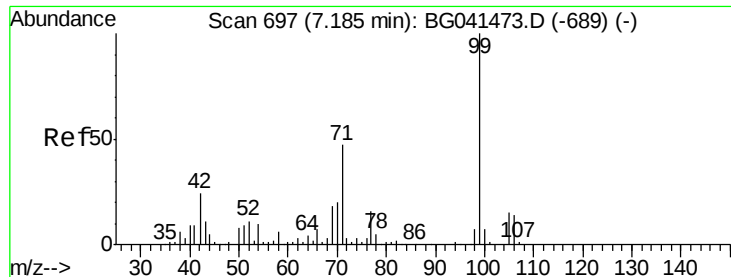
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 120.326 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG041599.D

Acq: 3 Jul 2019 21:01

Instrument :

BNA_G

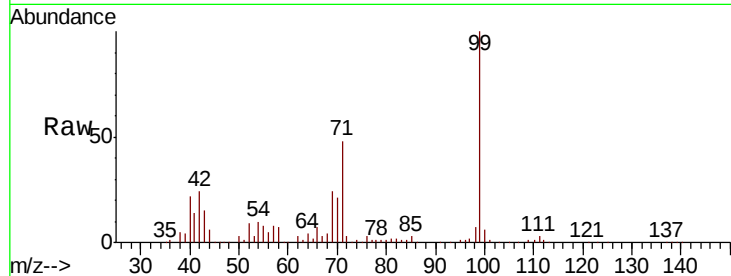
ClientSampled :

PE-13A

Tot Ion:	99	Resp:	251014
Ion	Ratio	Lower	Upper
99	100		
42	23.6	19.0	28.6
71	48.3	37.4	56.2

Manual Integrations
APPROVED

mohammad
7/8/2019 2:11:34 PM

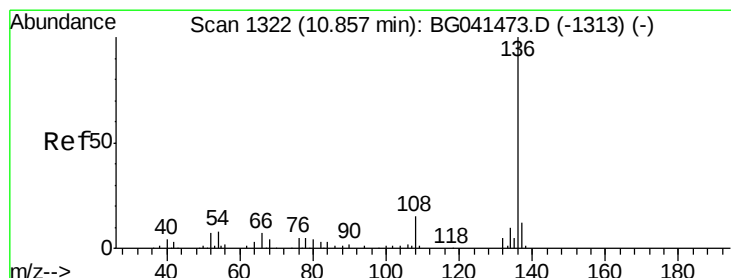
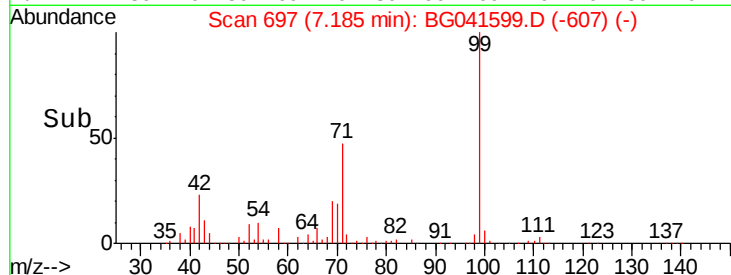
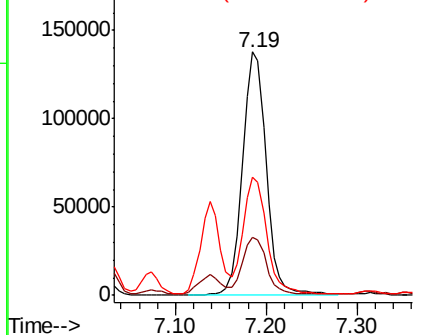


Abundance

Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BG041599.D

Acq: 3 Jul 2019 21:01

Tgt Ion:	136	Resp:	100772
Ion	Ratio	Lower	Upper
136	100		
137	14.3	9.3	13.9#
54	15.0	7.1	10.7#
68	12.8	3.3	4.9#

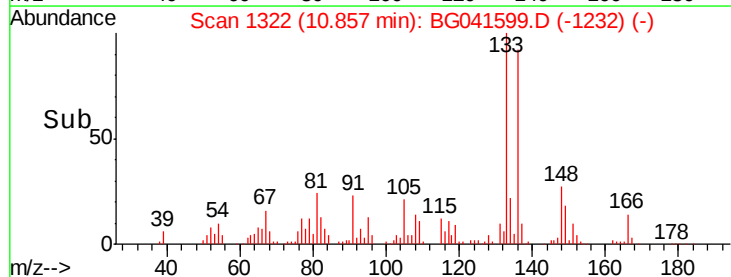
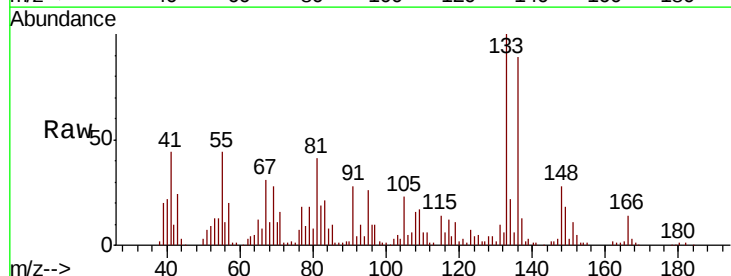
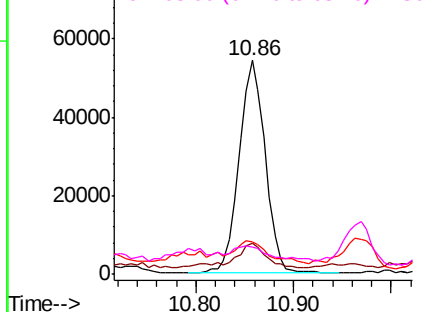
Abundance

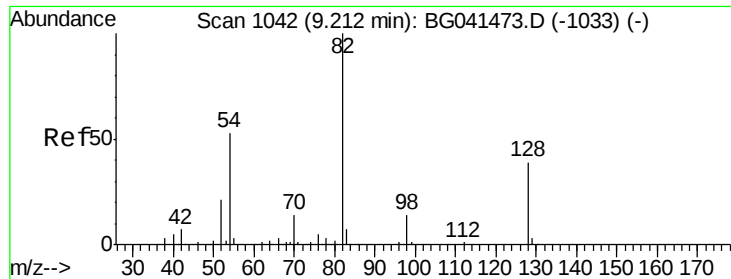
Ion 136.00 (135.70 to 136.70): BGC

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





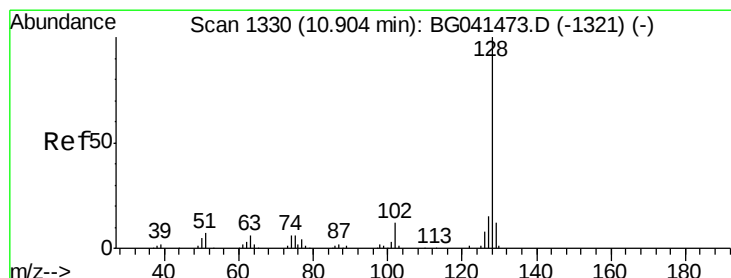
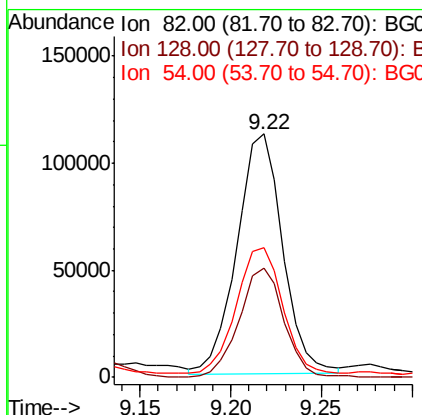
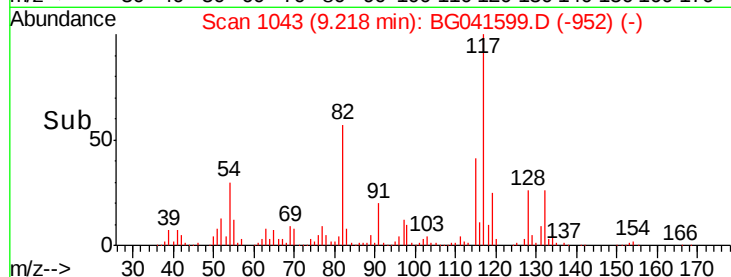
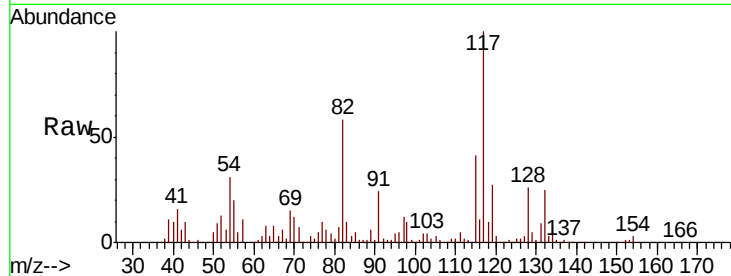
#23
Nitrobenzene-d5
Concen: 80.990 ng
RT: 9.22 min Scan# 1043
Delta R.T. 0.01 min
Lab File: BG041599.D
Acq: 3 Jul 2019 21:01

Instrument :
BNA_G
ClientSampleId :
PE-13A

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.1	30.9	46.3	
54	53.1	42.2	63.2	

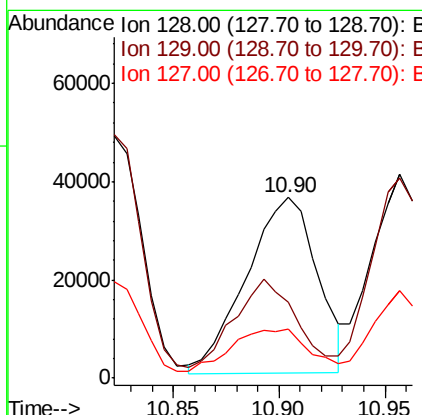
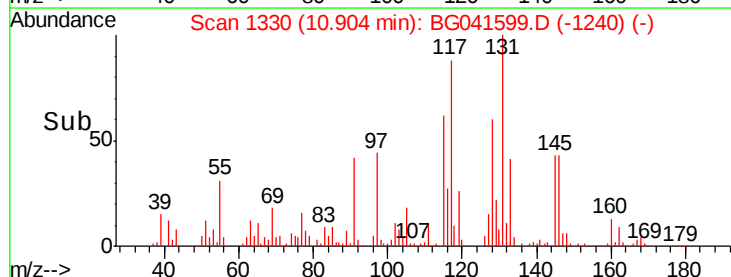
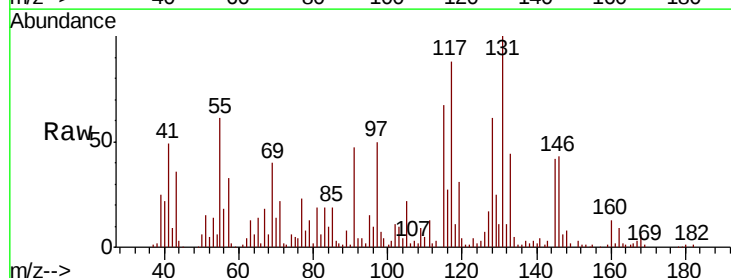
Manual Integrations
APPROVED

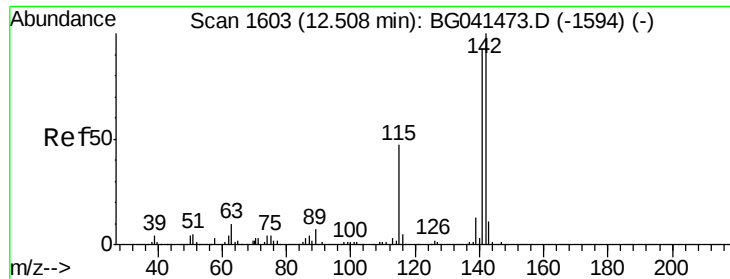
mohammad
7/8/2019 2:11:34 PM



#31
Naphthalene
Concen: 14.979 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BG041599.D
Acq: 3 Jul 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	41.8	9.7	14.5#	
127	27.3	11.6	17.4#	





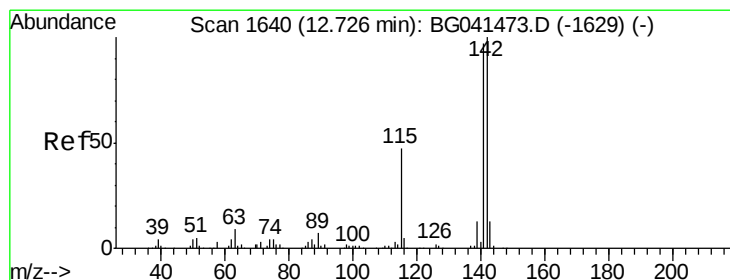
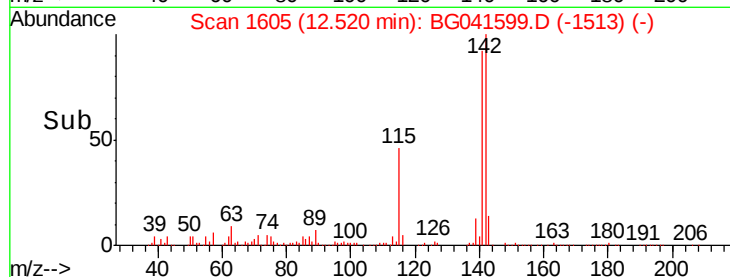
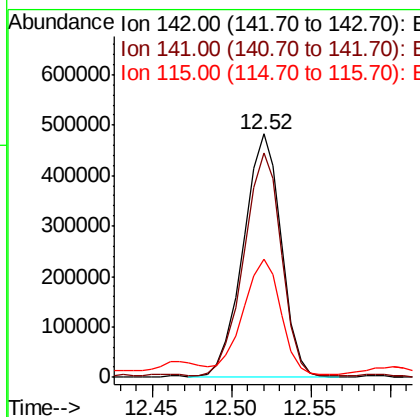
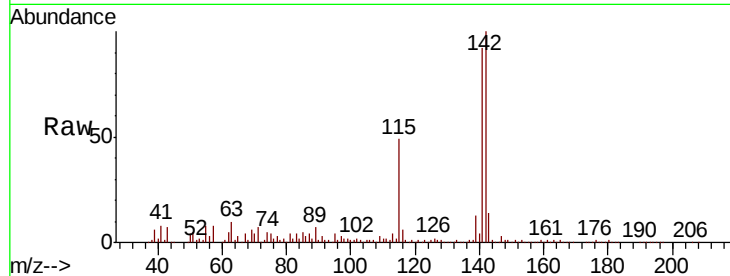
#37
2-Methylnaphthalene
Concen: 193.521 ng
RT: 12.52 min Scan# 1605
Delta R.T. 0.01 min
Lab File: BG041599.D
Acq: 3 Jul 2019 21:01

Instrument :
BNA_G
ClientSampled :
PE-13A

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.4	74.8	112.2
115	48.5	38.0	57.0

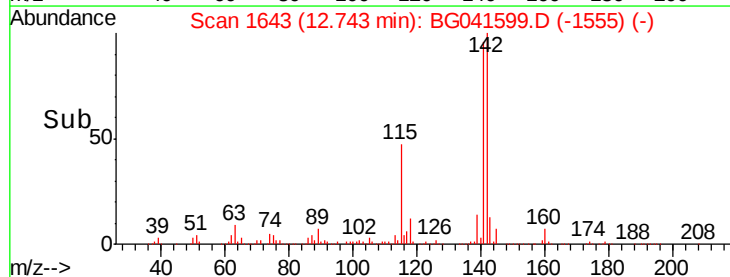
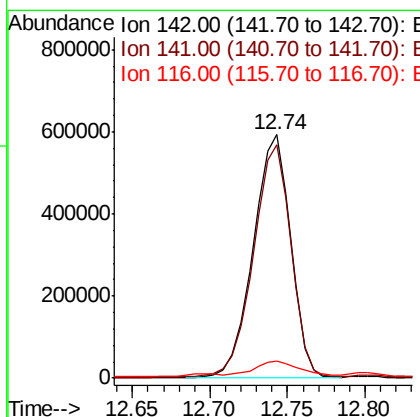
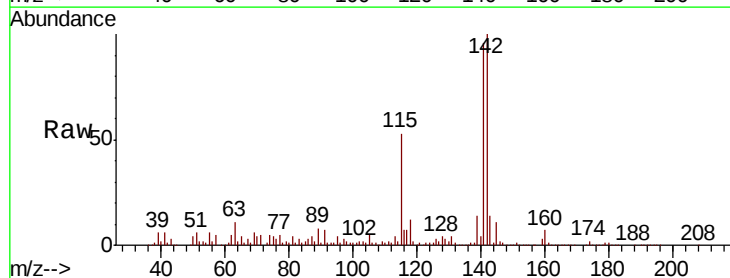
Manual Integrations
APPROVED

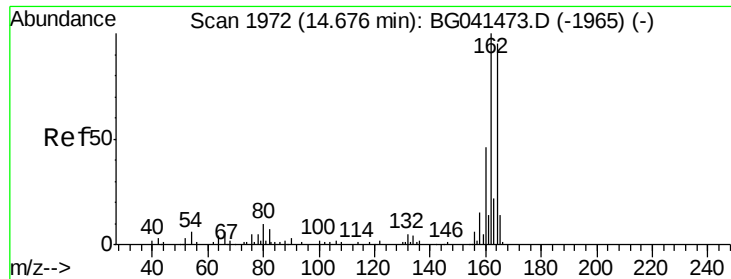
mohammad
7/8/2019 2:11:34 PM



#38
1-Methylnaphthalene
Concen: 254.270 ng m
RT: 12.74 min Scan# 1643
Delta R.T. 0.02 min
Lab File: BG041599.D
Acq: 3 Jul 2019 21:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.0	77.4	116.2
116	6.8	3.8	5.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BG041599.D

Acq: 3 Jul 2019 21:01

Instrument :

BNA_G

ClientSampleId :

PE-13A

Tot Ion:164 Resp: 84249

Ion Ratio Lower Upper

164 100

162 99.6 84.4 126.6

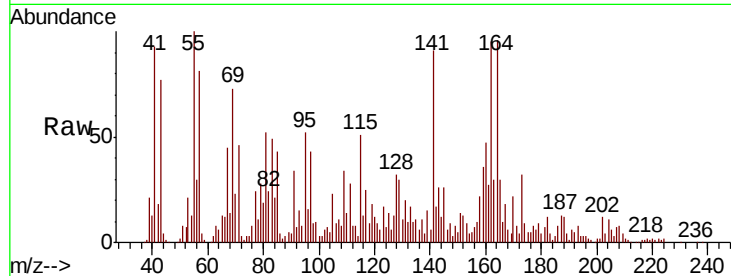
160 49.2 38.8 58.2

Manual Integrations

APPROVED

mohammad

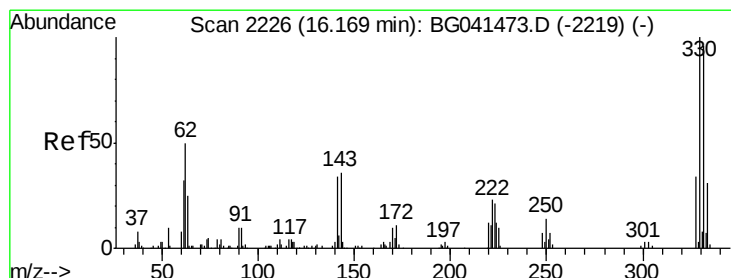
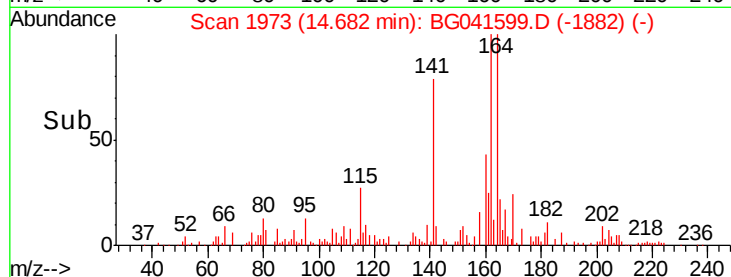
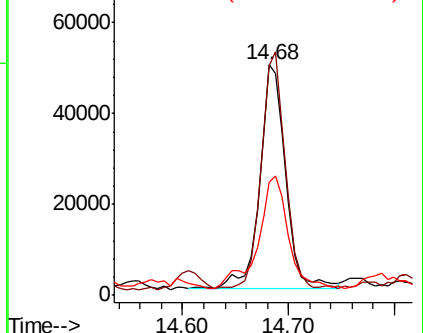
7/8/2019 2:11:34 PM



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: 127.197 ng

RT: 16.19 min Scan# 2229

Delta R.T. 0.02 min

Lab File: BG041599.D

Acq: 3 Jul 2019 21:01

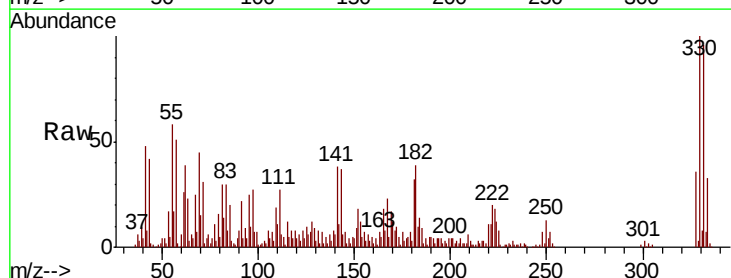
Tgt Ion:330 Resp: 182972

Ion Ratio Lower Upper

330 100

332 95.5 75.5 113.3

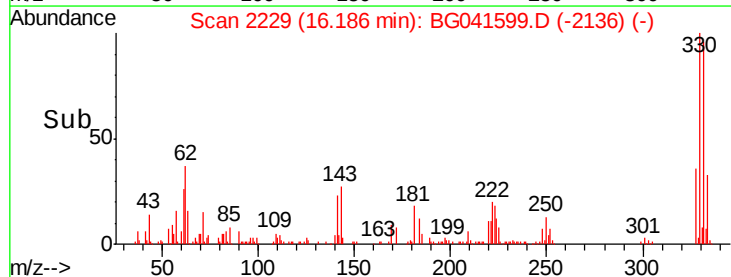
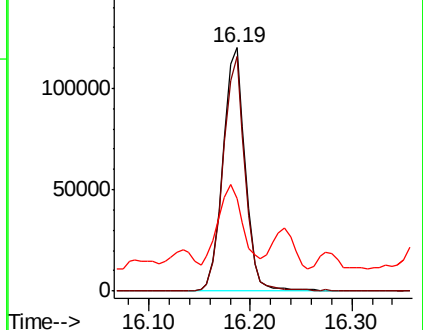
141 35.6 27.8 41.6

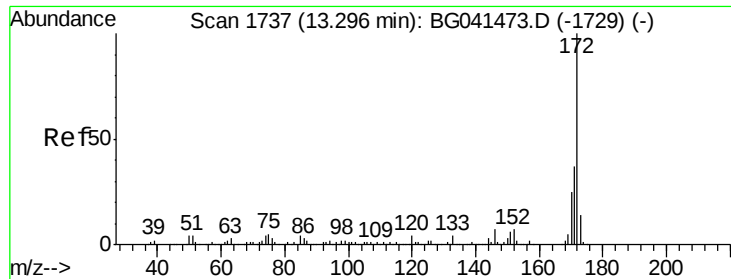


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





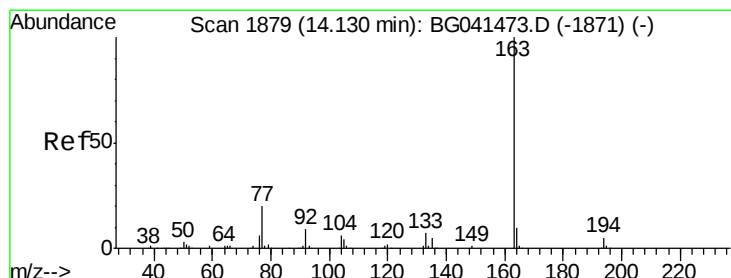
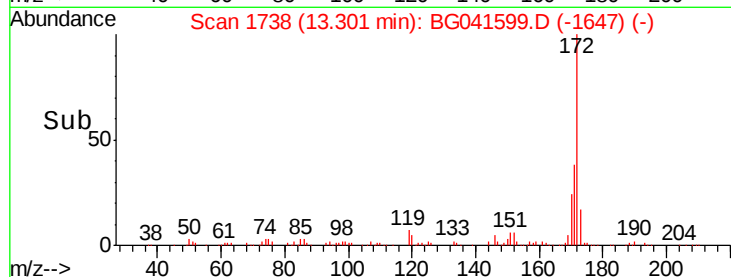
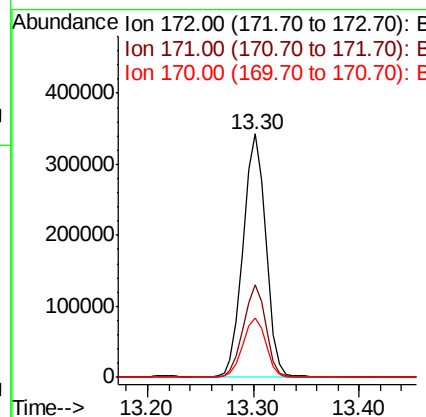
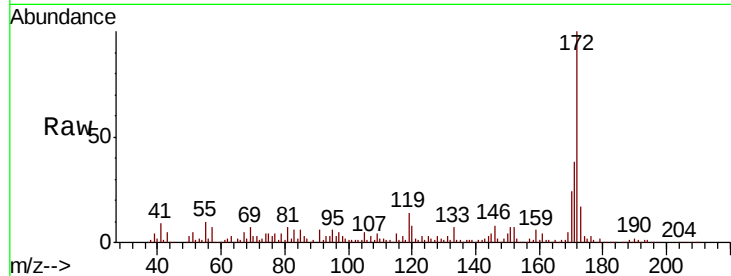
#45
2-Fluorobiphenyl
Concen: 77.391 ng
RT: 13.30 min Scan# 1738
Delta R.T. 0.01 min
Lab File: BG041599.D
Acq: 3 Jul 2019 21:01

Instrument :
BNA_G
ClientSampleId :
PE-13A

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.6	44.4
170	24.3	20.0	30.0

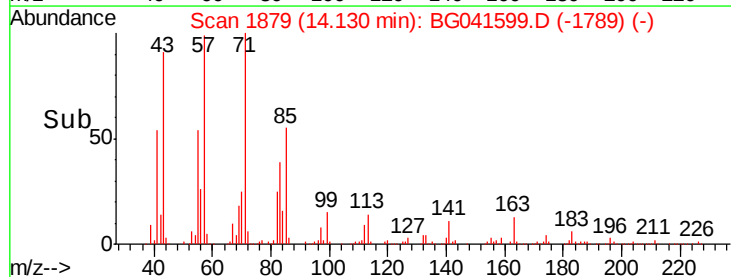
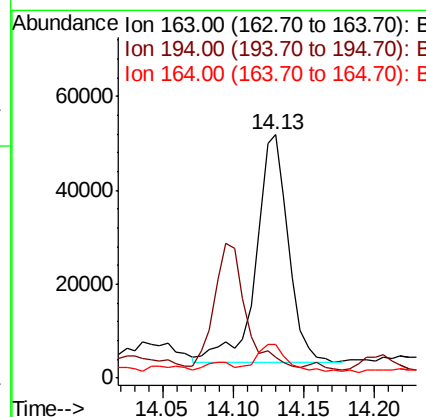
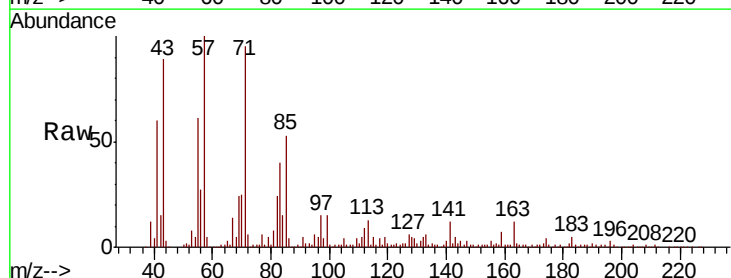
Manual Integrations
APPROVED

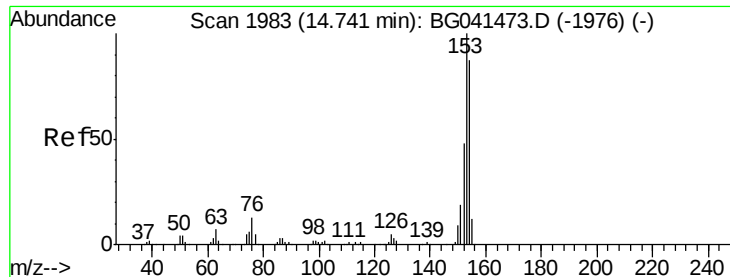
mohammad
7/8/2019 2:11:34 PM



#50
Dimethylphthalate
Concen: 10.166 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.00 min
Lab File: BG041599.D
Acq: 3 Jul 2019 21:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	8.4	3.7	5.5#
164	13.8	7.8	11.6#





#52

Acenaphthene

Concen: 17.499 ng

RT: 14.75 min Scan# 1985

Delta R.T. 0.01 min

Lab File: BG041599.D

Acq: 3 Jul 2019 21:01

Instrument :

BNA_G

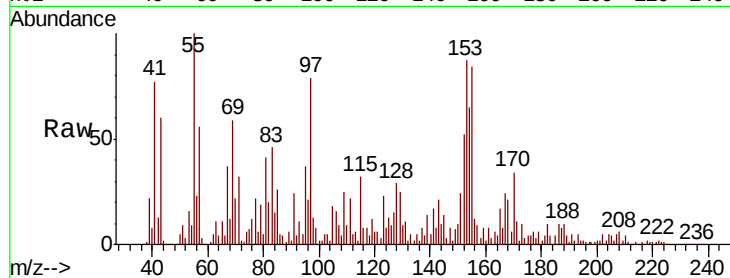
ClientSampled :

PE-13A

Tot Ion	Ratio	Lower	Upper
154	100		
153	134.7	92.2	138.4
152	80.6	44.1	66.1

Manual Integrations
APPROVED

mohammad
7/8/2019 2:11:34 PM

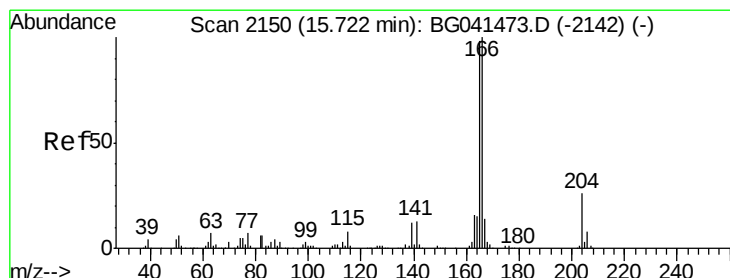
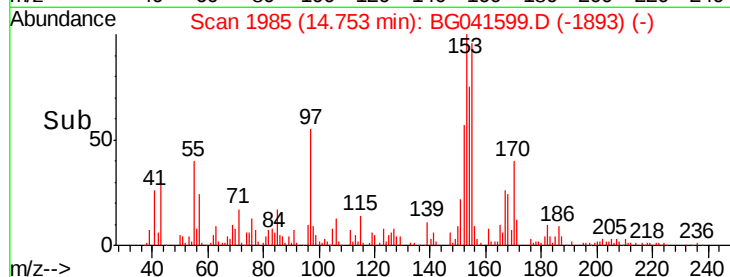
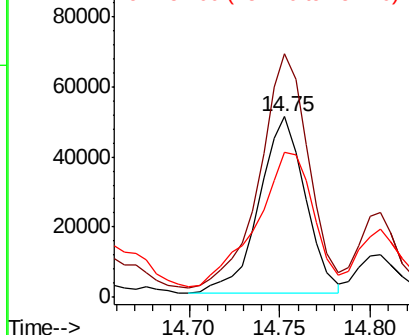


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 25.513 ng

RT: 15.73 min Scan# 2152

Delta R.T. 0.01 min

Lab File: BG041599.D

Acq: 3 Jul 2019 21:01

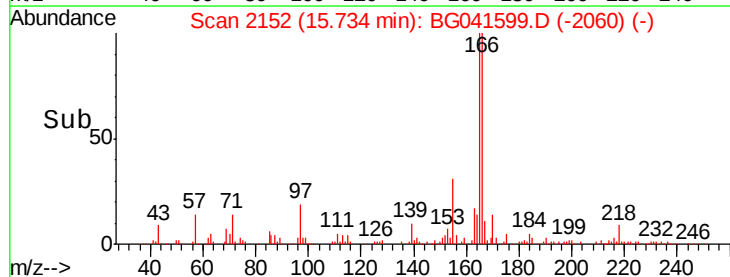
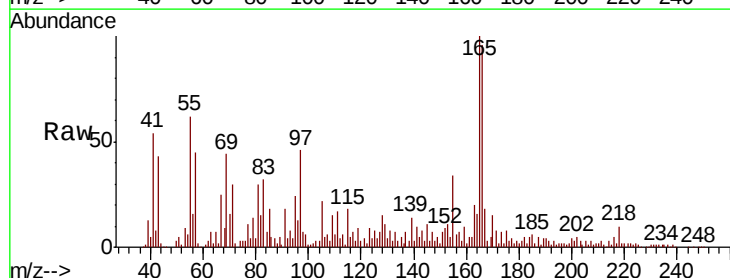
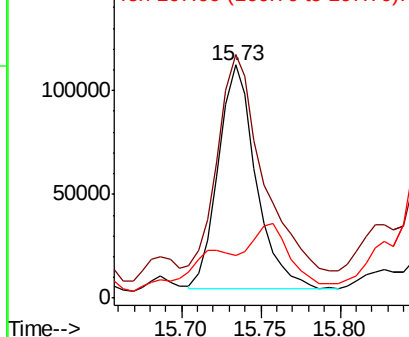
Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.6	78.6	117.8
167	18.3	11.4	17.0

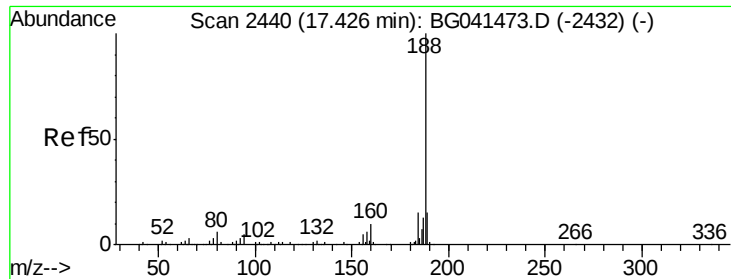
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





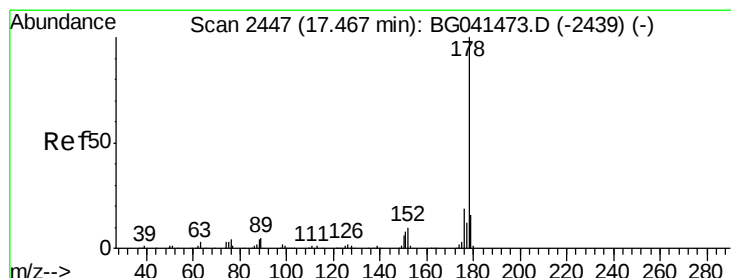
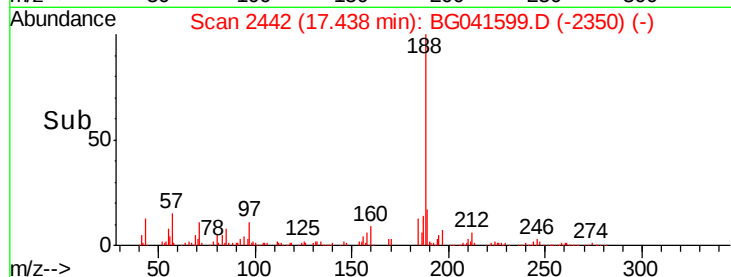
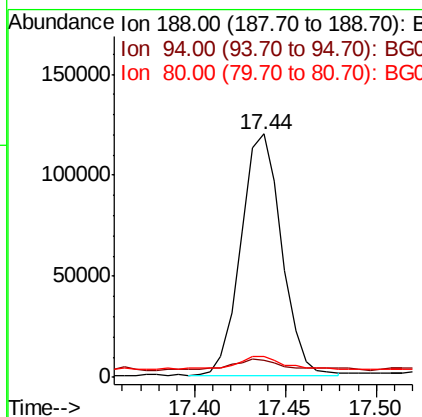
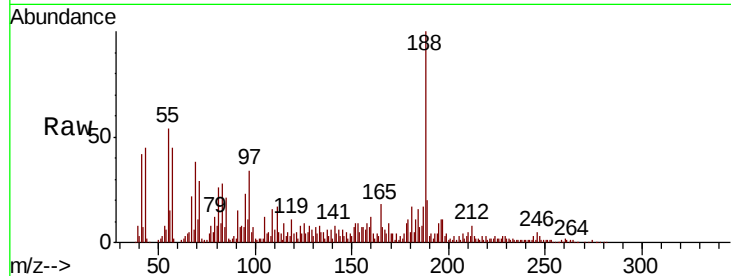
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2442
Delta R.T. 0.01 min
Lab File: BG041599.D
Acq: 3 Jul 2019 21:01

Instrument :
BNA_G
ClientSampleId :
PE-13A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	186423		
94	7.0		3.8	5.8#
80	8.4		4.8	7.2#

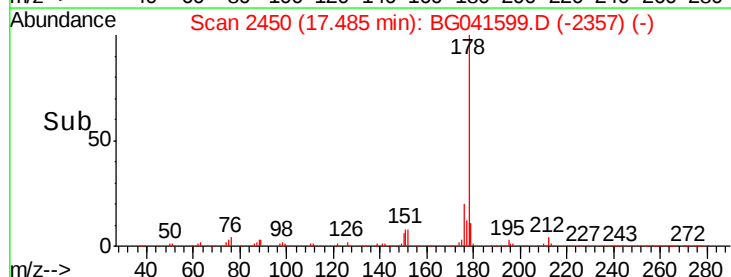
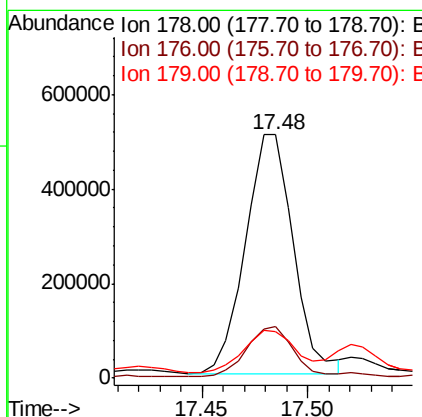
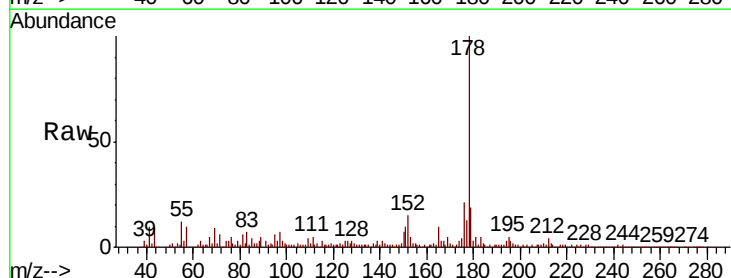
Manual Integrations
APPROVED

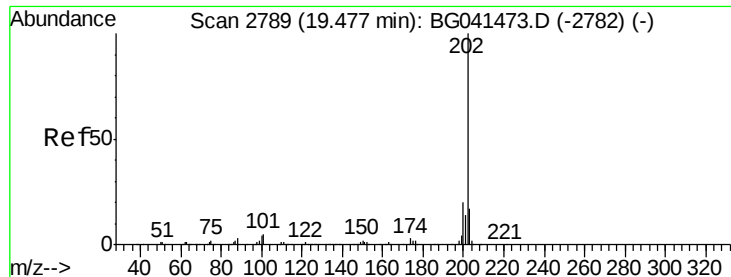
mohammad
7/8/2019 2:11:34 PM



#71
Phenanthrene
Concen: 77.396 ng
RT: 17.48 min Scan# 2450
Delta R.T. 0.02 min
Lab File: BG041599.D
Acq: 3 Jul 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	794945		
176	21.2		15.4	23.0
179	19.2		13.0	19.4





#75

Fluoranthene

Concen: 8.718 ng

RT: 19.48 min Scan# 2790

Delta R.T. 0.01 min

Lab File: BG041599.D

Acq: 3 Jul 2019 21:01

Instrument :

BNA_G

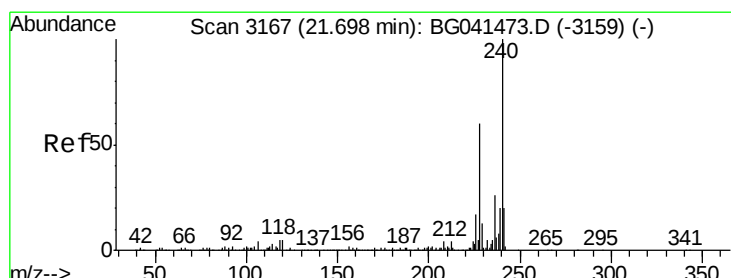
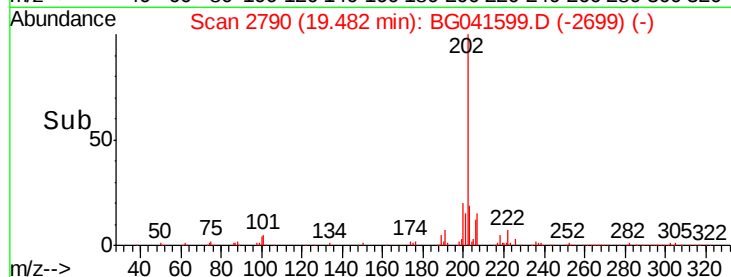
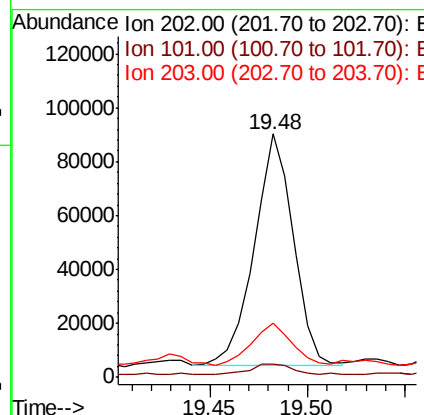
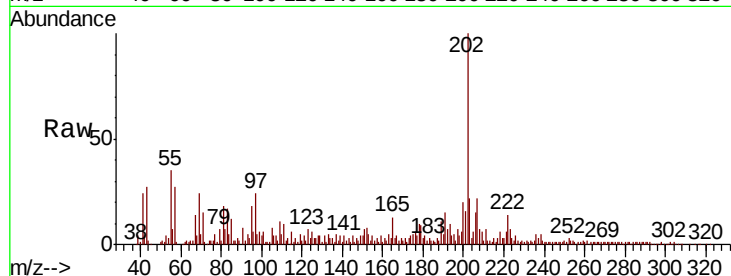
ClientSampleId :

PE-13A

Tot Ion:	202	Resp:	119383
Ion Ratio	Lower	Upper	
202	100		
101	5.6	0.0	24.9
203	22.3	0.0	37.5

Manual Integrations
APPROVED

mohammad
7/8/2019 2:11:34 PM



#76

Chrysene-d12

Concen: 20.000 ng

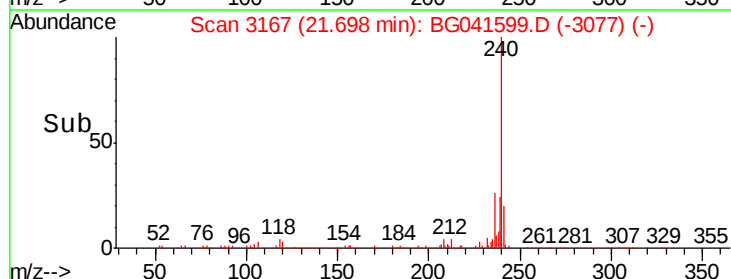
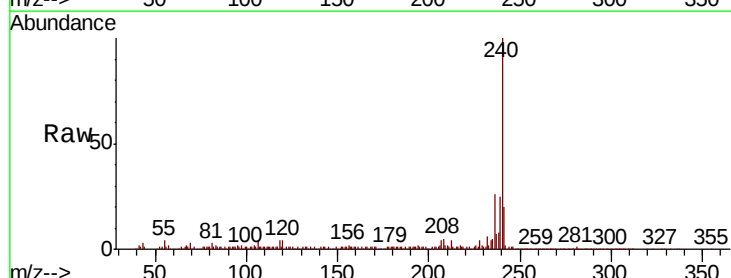
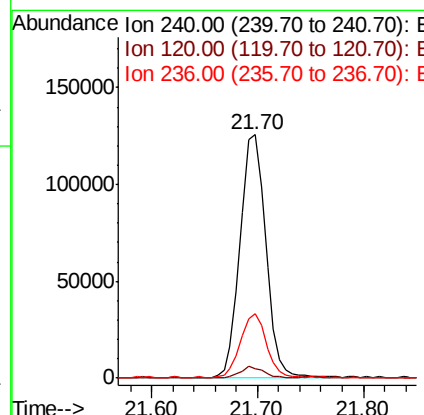
RT: 21.70 min Scan# 3167

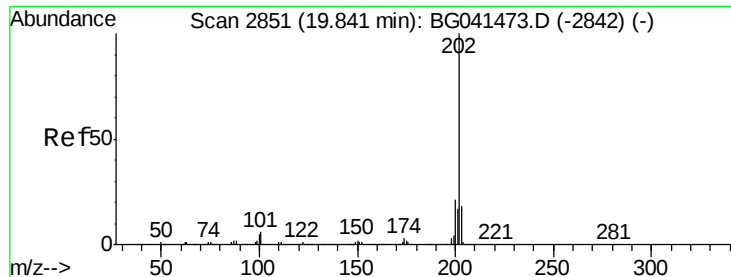
Delta R.T. -0.00 min

Lab File: BG041599.D

Acq: 3 Jul 2019 21:01

Tgt Ion:	240	Resp:	212237
Ion Ratio	Lower	Upper	
240	100		
120	3.8	3.7	5.5
236	26.5	20.8	31.2





#78

Pvrene

Concen: 13.646 ng

RT: 19.85 min Scan# 2852

Delta R.T. 0.01 min

Lab File: BG041599.D

Acq: 3 Jul 2019 21:01

Instrument :

BNA_G

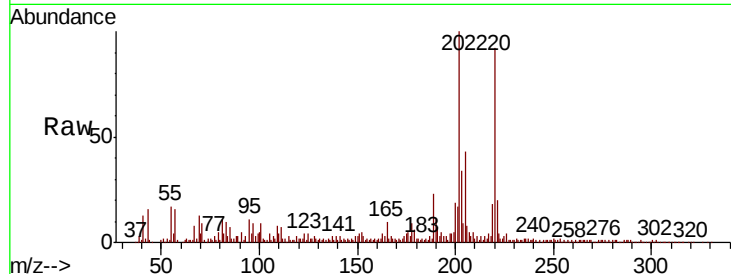
ClientSampleId :

PE-13A

Tot Ion:	202	Resp:	197715
Ion Ratio	Lower	Upper	
202	100		
200	19.4	16.8	25.2
203	33.7	14.2	21.4#

Manual Integrations
APPROVED

mohammad
7/8/2019 2:11:34 PM

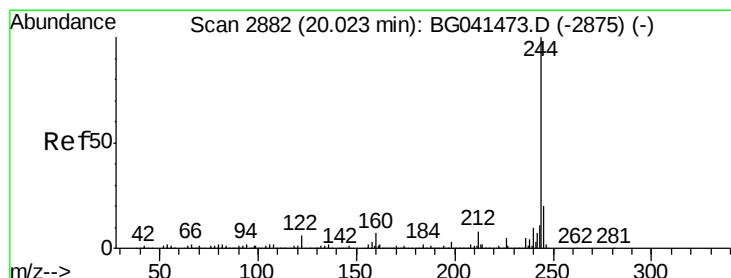
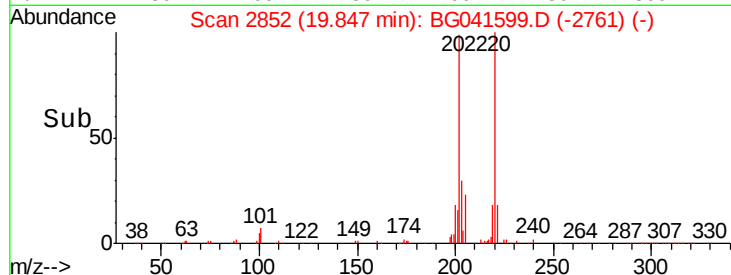
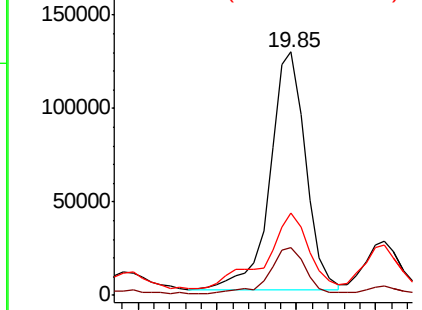


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 91.737 ng

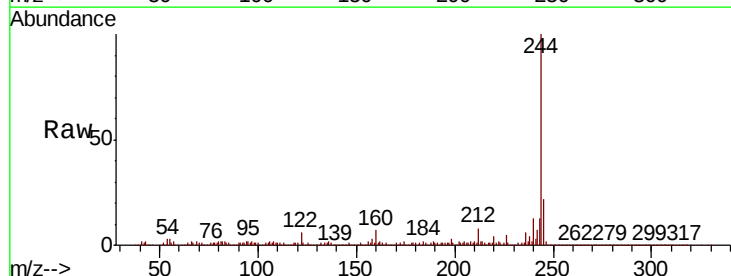
RT: 20.03 min Scan# 2883

Delta R.T. 0.01 min

Lab File: BG041599.D

Acq: 3 Jul 2019 21:01

Tgt Ion:	244	Resp:	916200
Ion Ratio	Lower	Upper	
244	100		
212	8.4	6.2	9.4
122	5.7	4.8	7.2

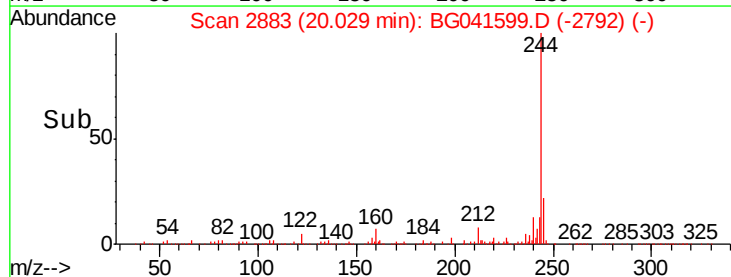
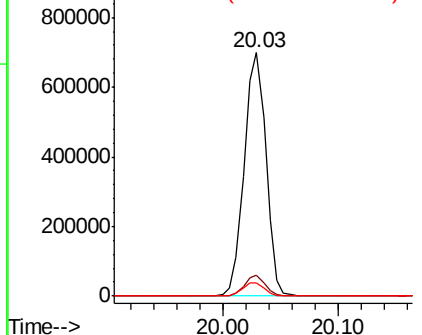


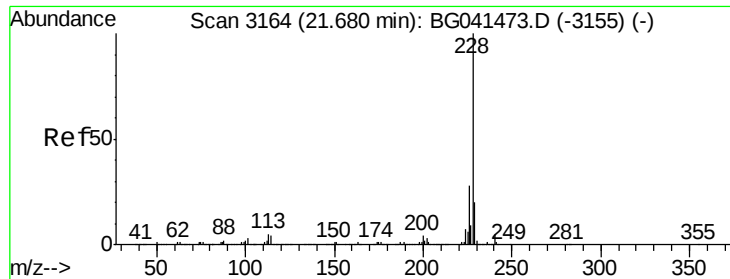
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





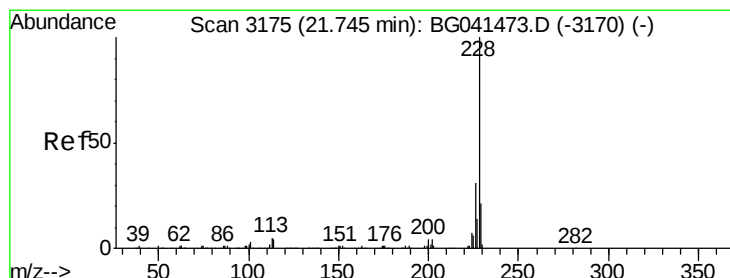
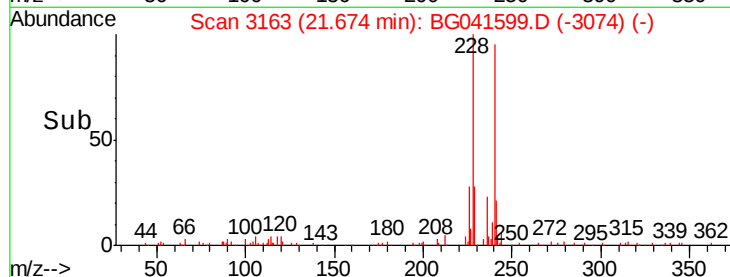
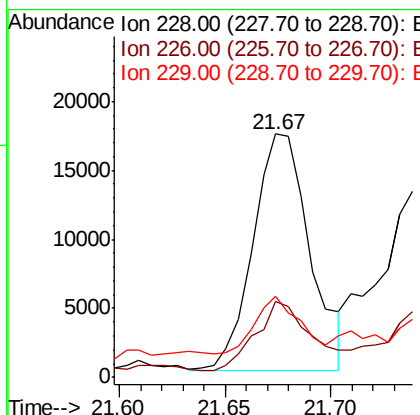
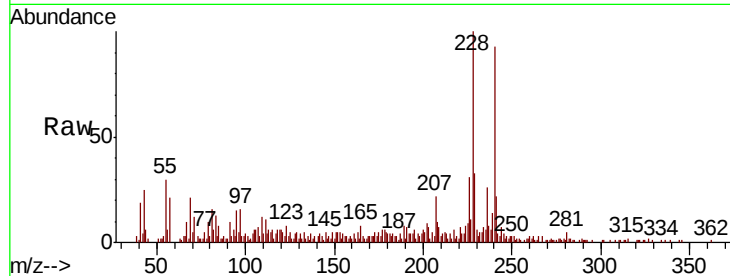
#81
Benzo(a)anthracene
Concen: 2.173 ng
RT: 21.67 min Scan# 3163
Delta R.T. -0.01 min
Lab File: BG041599.D
Acq: 3 Jul 2019 21:01

Instrument :
BNA_G
ClientSampleId :
PE-13A

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.6	33.8
229	33.0	16.1	24.1

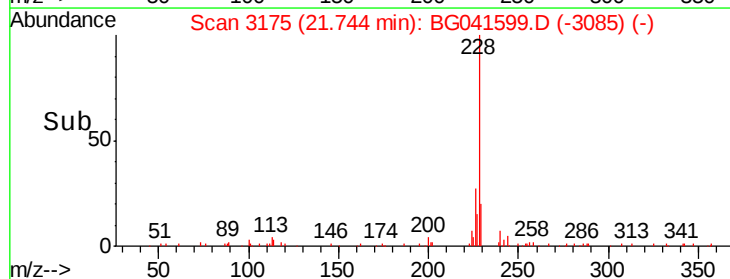
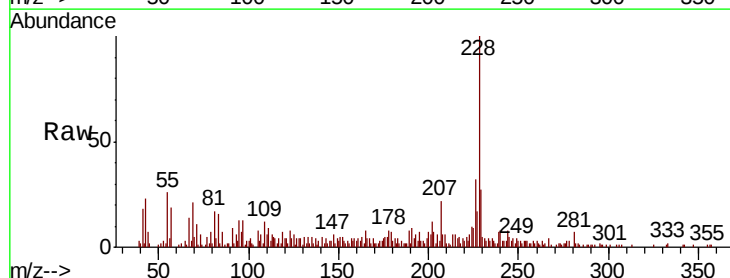
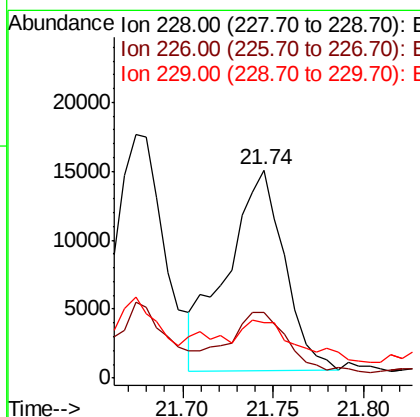
Manual Integrations
APPROVED

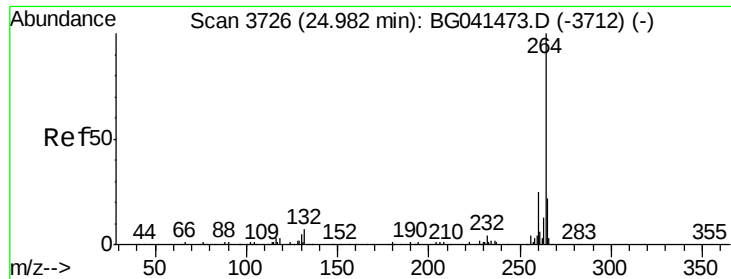
mohammad
7/8/2019 2:11:34 PM



#83
Chrysene
Concen: 2.224 ng
RT: 21.74 min Scan# 3175
Delta R.T. -0.00 min
Lab File: BG041599.D
Acq: 3 Jul 2019 21:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.4
229	26.8	16.8	25.2





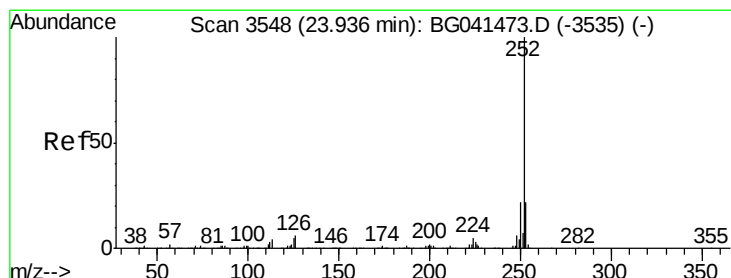
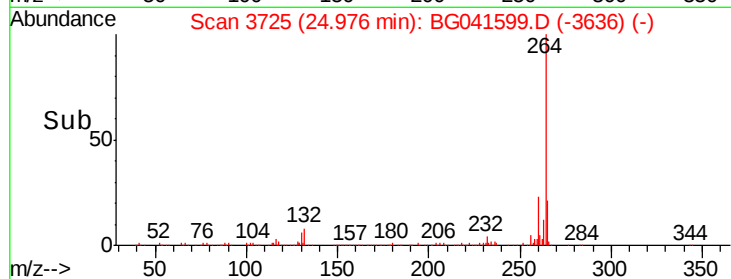
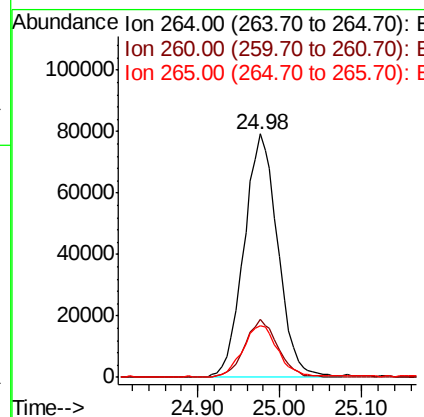
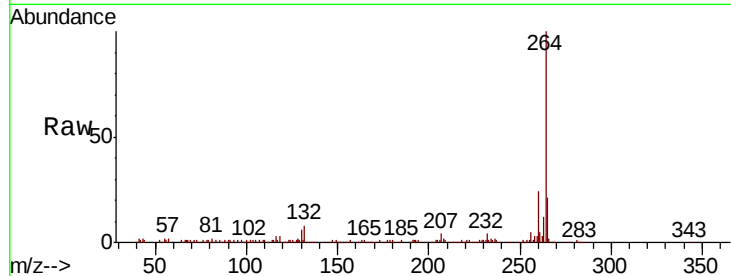
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.98 min Scan# 3725
Delta R.T. -0.01 min
Lab File: BG041599.D
Acq: 3 Jul 2019 21:01

Instrument :
BNA_G
ClientSampled :
PE-13A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.7	29.5
265	21.2	17.4	26.2

Manual Integrations
APPROVED

mohammad
7/8/2019 2:11:34 PM



#88
Benzo(b)fluoranthene
Concen: 2.033 ng
RT: 23.93 min Scan# 3547
Delta R.T. -0.01 min
Lab File: BG041599.D
Acq: 3 Jul 2019 21:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.0	27.0
125	8.2	3.8	5.8

