

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111620\
 Data File : BG047336.D
 Acq On : 16 Nov 2020 18:58
 Operator : CG/JU
 Sample : L4762-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC8

Manual Integrations
 APPROVED

mohammad
 11/17/2020 4:10:08 PM

Quant Time: Nov 17 07:40:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 16 12:10:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	60358	20.00	ng/ul	0.01
18) Naphthalene-d8	10.83	136	231964	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.66	164	148633	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.42	188	303118	20.00	ng/ul	0.02
78) Chrysene-d12	21.69	240	345878	20.00	ng/ul	0.04
86) Perylene-d12	24.98	264	313562m	20.00	ng/ul	0.13

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	6938m	4.64	ng/uL	0.02
5) Phenol-d5	7.19	99	161873	30.90	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.34	67	91980	30.53	ng/ul	0.02
9) 2-Chlorophenol-d4	7.55	132	133632	32.80	ng/ul	0.02
13) 4-Methylphenol-d8	8.73	113	133515	31.95	ng/ul	0.02
19) Nitrobenzene-d5	9.18	128	64494	33.17	ng/ul	0.02
22) 2-Nitrophenol-d4	9.91	143	52605	23.16	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.45	165	140390	31.68	ng/ul	0.02
29) 4-Chloroaniline-d4	10.96	131	124597	32.97	ng/ul	0.02
44) Dimethylphthalate-d6	14.06	166	357706	29.27	ng/ul	0.01
47) Acenaphthylene-d8	14.35	160	456335	31.56	ng/ul	0.02
52) 4-Nitrophenol-d4	14.88	143	61141	31.78	ng/ul	0.03
58) Fluorene-d10	15.65	176	327805	28.89	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.75	200	2134	1.02	ng/ul	0.00
71) Anthracene-d10	17.51	188	482978	32.87	ng/ul	0.02
79) Pyrene-d10	19.80	212	559694	28.37	ng/ul	0.03
90) Benzo(a)pyrene-d12	24.75	264	579277m	33.60	ng/ul	0.12

Target Compounds

					Ovalue	
28) Naphthalene	10.88	128	65182	5.002	ng/ul#	88
34) 2-Methylnaphthalene	12.49	142	188801	20.307	ng/ul	99
41) 1,1'-Biphenyl	13.49	154	34335	2.928	ng/ul#	96
45) Dimethylphthalate	14.11	163	98293	8.014	ng/ul#	94
48) Acenaphthylene	14.39	152	19480	1.440	ng/ul#	10
50) Acenaphthene	14.73	153	48327	4.938	ng/ul#	68
54) Dibenzofuran	15.06	168	58959m	4.140	ng/ul	
59) Fluorene	15.71	166	42261	3.615	ng/ul#	76
70) Phenanthrene	17.46	178	751867	44.225	ng/ul#	96
72) Anthracene	17.55	178	74009	4.332	ng/ul#	74
77) Fluoranthene	19.47	202	189795	9.275	ng/ul#	96
80) Pyrene	19.83	202	769162	32.496	ng/ul	98
83) Benzo(a)anthracene	21.68	228	121330	5.178	ng/ul#	32
84) Bis(2-ethylhexyl)phthalate	21.56	149	13381	1.110	ng/ul#	1
85) Chrysene	21.74	228	302332m	13.411	ng/ul	
88) Benzo(b)fluoranthene	23.94	252	116522m	5.594	ng/ul	
91) Benzo(a)pyrene	24.82	252	65130m	3.472	ng/ul	
94) Benzo(g,h,i)perylene	29.85	276	36439m	1.870	ng/ul	

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

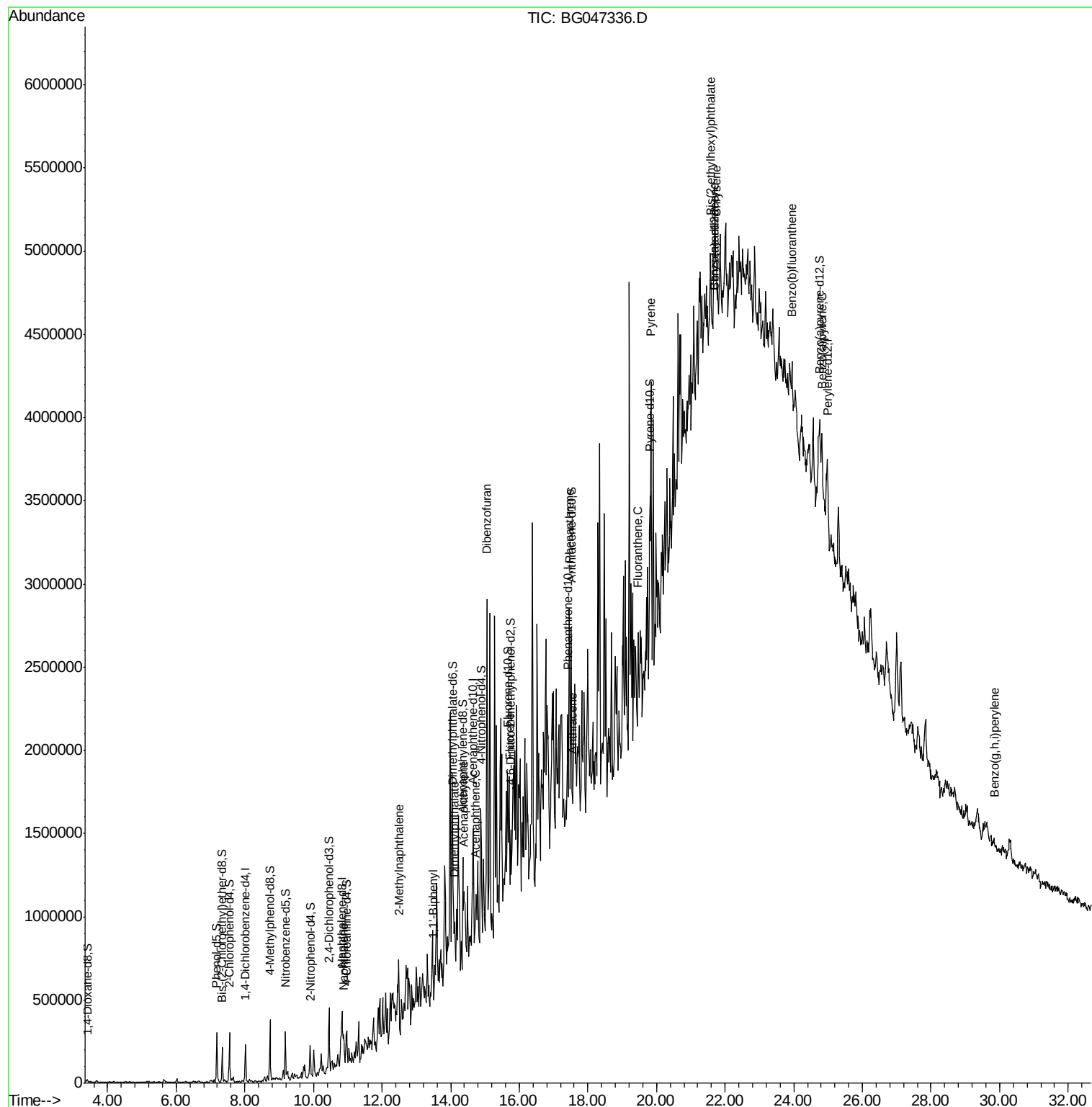
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111620\
Data File : BG047336.D
Acq On : 16 Nov 2020 18:58
Operator : CG/JU
Sample : L4762-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

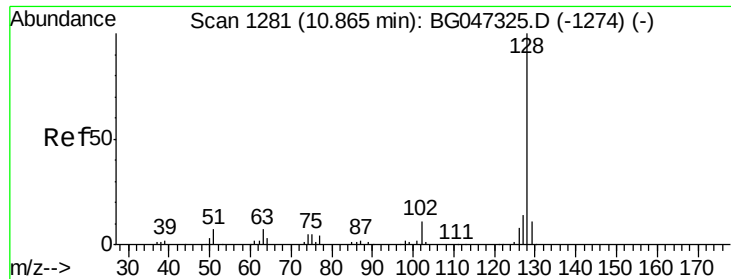
Instrument :
BNA_G
ClientSampled :
C0AC8

Manual Integrations
APPROVED

mohammad
11/17/2020 4:10:08 PM

Quant Time: Nov 17 07:40:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 16 12:10:55 2020
Response via : Initial Calibration





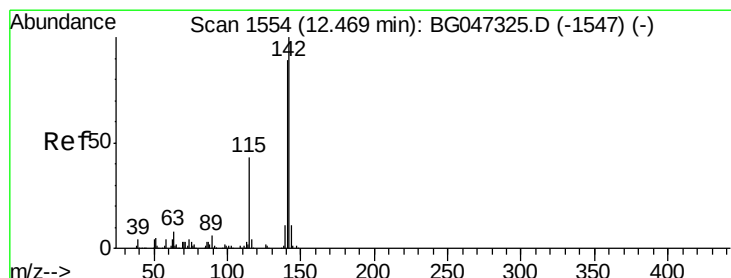
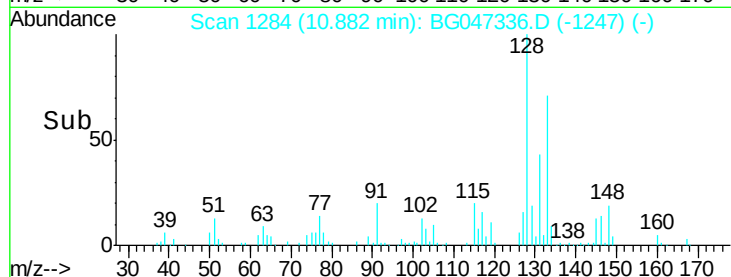
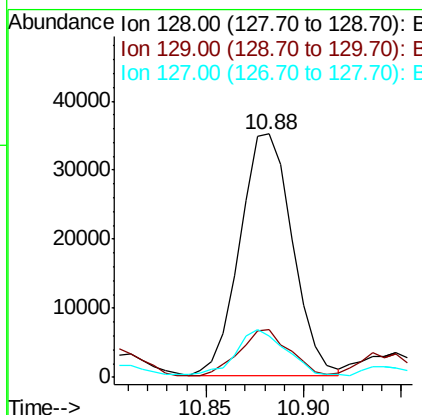
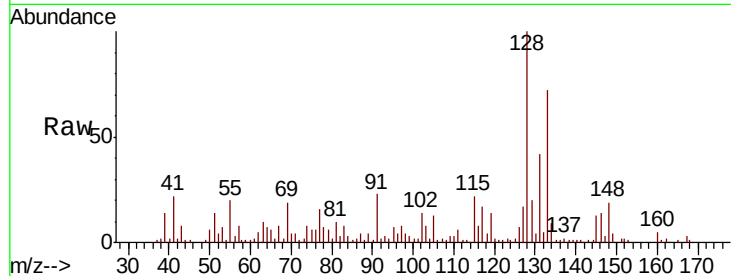
#28
Naphthalene
Concen: 5.002 ng/ul
RT: 10.88 min Scan# 1284
Delta R.T. 0.02 min
Lab File: BG047336.D
Acq: 16 Nov 2020 18:58

Instrument :
BNA_G
ClientSampleId :
C0AC8

Tot Ion	Ratio	Lower	Upper
128	100		
129	19.7	9.4	14.2#
127	16.8	11.5	17.3

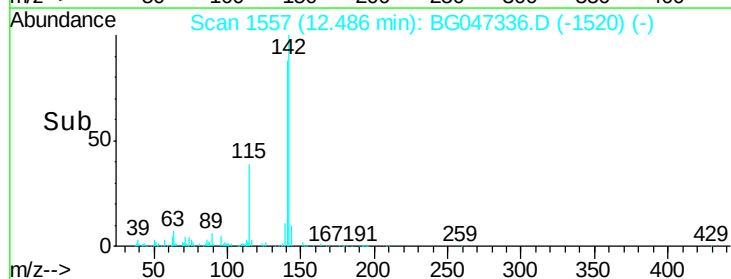
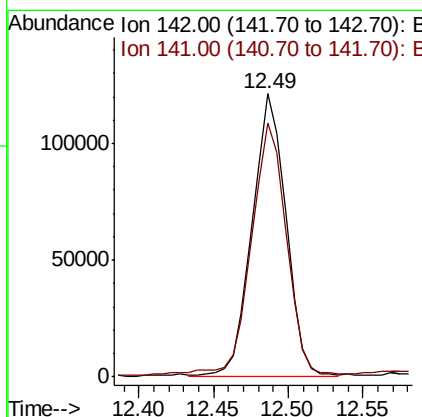
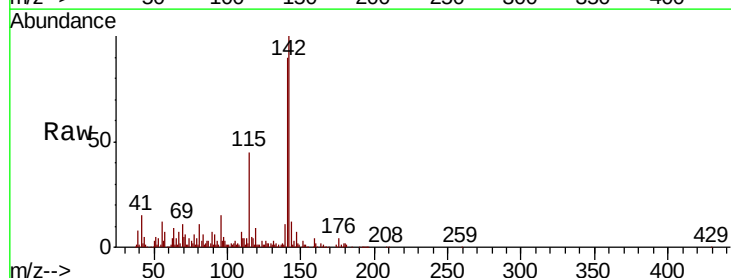
Manual Integrations
APPROVED

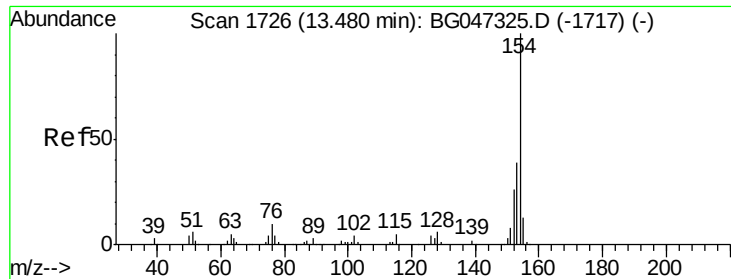
mohammad
11/17/2020 4:10:08 PM



#34
2-Methylnaphthalene
Concen: 20.307 ng/ul
RT: 12.49 min Scan# 1557
Delta R.T. 0.02 min
Lab File: BG047336.D
Acq: 16 Nov 2020 18:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.8	72.4	108.6





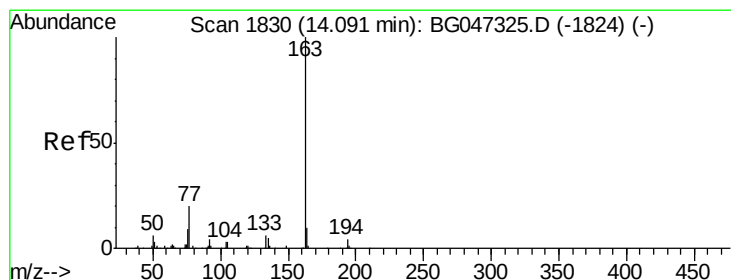
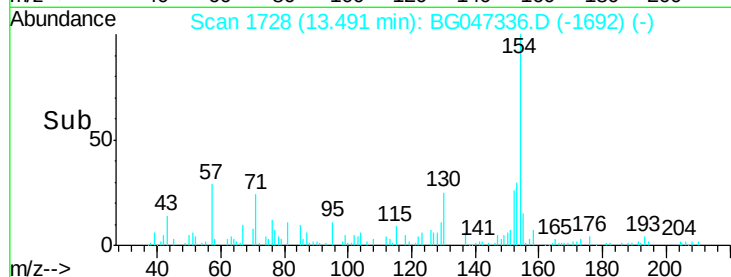
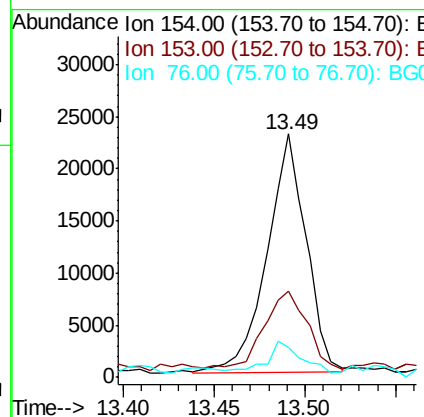
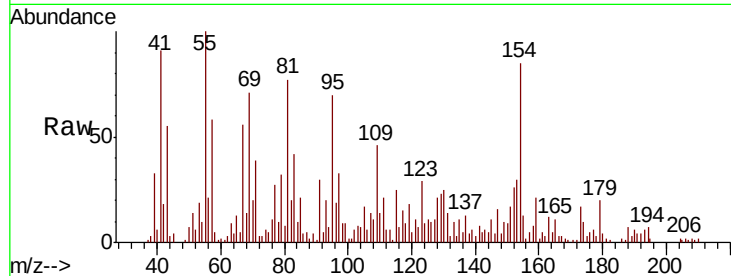
#41
 1,1'-Biphenyl
 Concen: 2.928 ng/ul
 RT: 13.49 min Scan# 1728
 Delta R.T. 0.01 min
 Lab File: BG047336.D
 Acq: 16 Nov 2020 18:58

Instrument :
 BNA_G
 ClientSampleId :
 C0AC8

Tot Ion	Ratio	Lower	Upper
154	100		
153	35.6	30.2	45.4
76	12.5	7.8	11.6

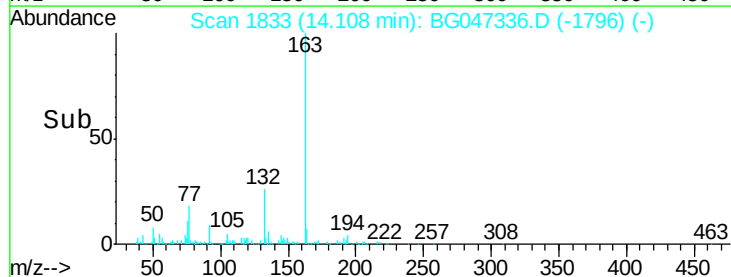
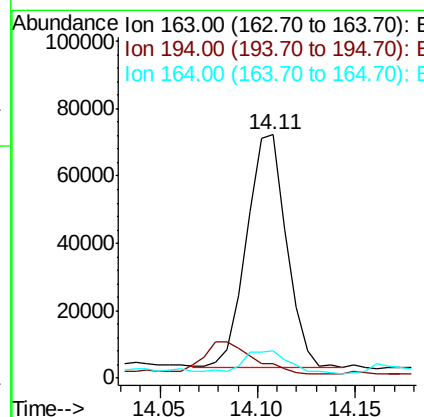
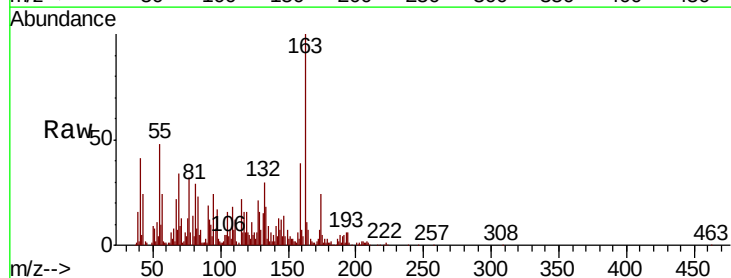
Manual Integrations
 APPROVED

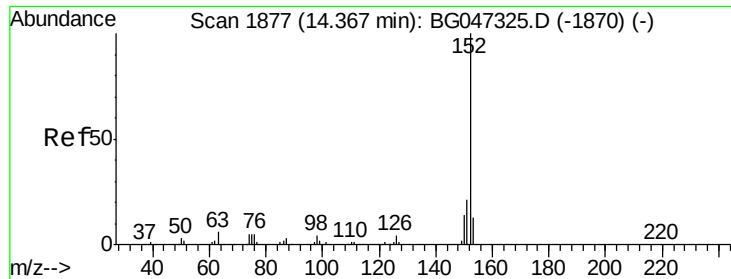
mohammad
 11/17/2020 4:10:08 PM



#45
 Dimethylphthalate
 Concen: 8.014 ng/ul
 RT: 14.11 min Scan# 1833
 Delta R.T. 0.02 min
 Lab File: BG047336.D
 Acq: 16 Nov 2020 18:58

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.9	3.4	5.0
164	11.4	7.2	10.8





#48

Acenaphthylene

Concen: 1.440 ng/ul

RT: 14.39 min Scan# 1881

Delta R.T. 0.02 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

Instrument :

BNA_G

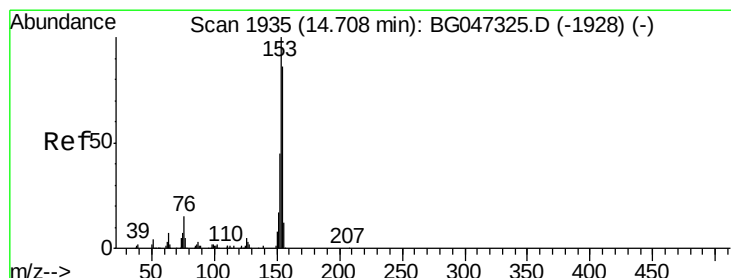
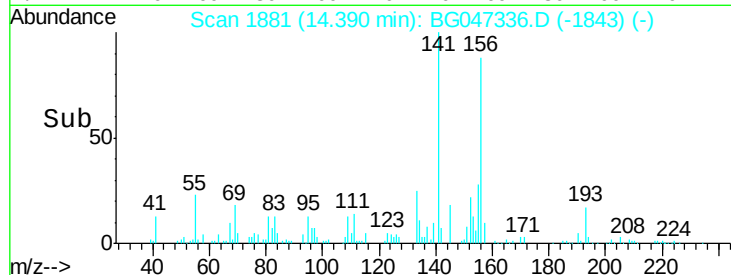
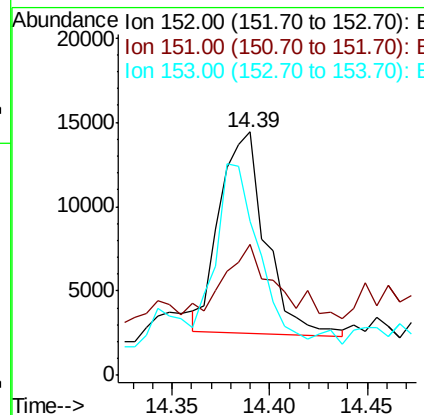
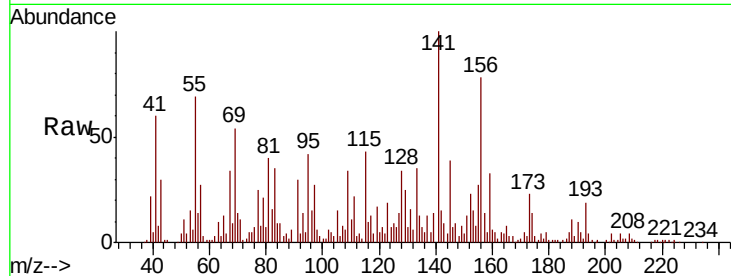
ClientSampleId :

C0AC8

Tot Ion:	152	Resp:	19480
Ion Ratio	Lower	Upper	
152	100		
151	54.0	17.4	26.2#
153	63.2	10.2	15.4#

Manual Integrations
APPROVED

mohammad
11/17/2020 4:10:08 PM



#50

Acenaphthene

Concen: 4.938 ng/ul

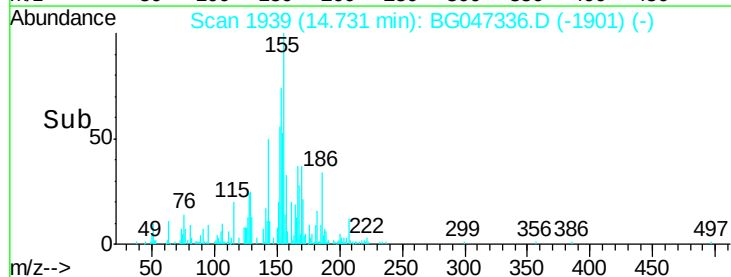
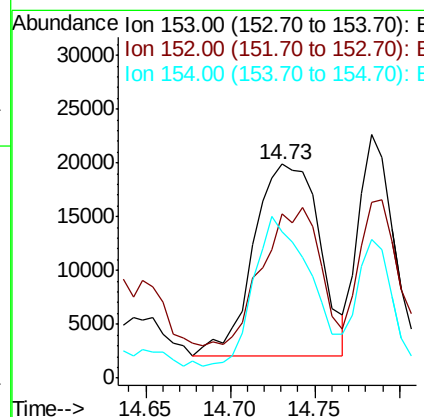
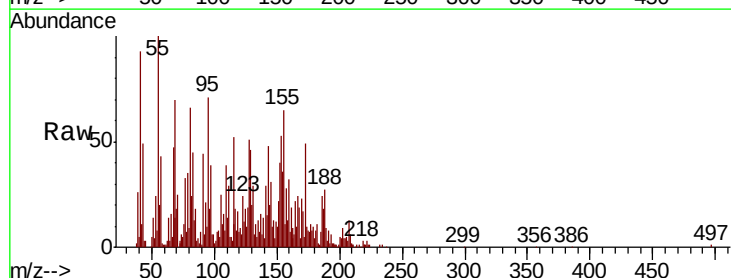
RT: 14.73 min Scan# 1939

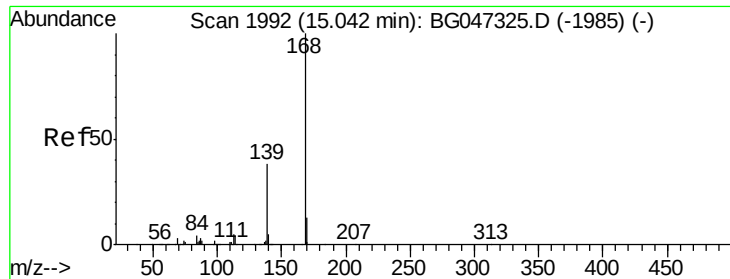
Delta R.T. 0.02 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

Tgt Ion:	153	Resp:	48327
Ion Ratio	Lower	Upper	
153	100		
152	76.9	37.0	55.4#
154	68.2	74.0	111.0#





#54

Dibenzenofuran

Concen: 4.140 ng/ul m

RT: 15.06 min Scan# 1995

Delta R.T. 0.02 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

Instrument :

BNA_G

ClientSampleId :

C0AC8

Tot Ion:168 Resp: 58959

Ion Ratio Lower Upper

168 100

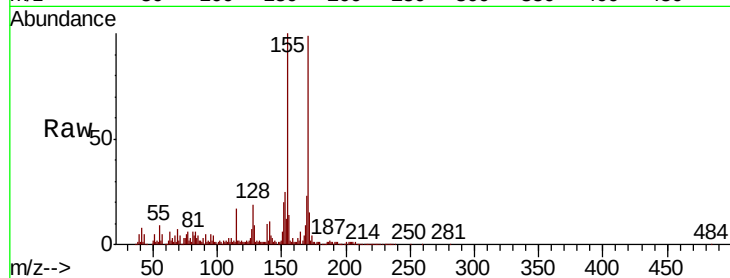
139 117.0 31.5 47.3#

Manual Integrations

APPROVED

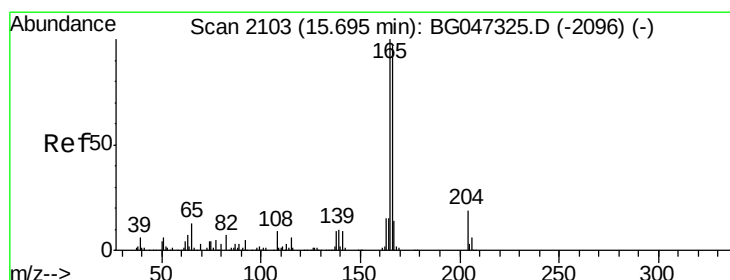
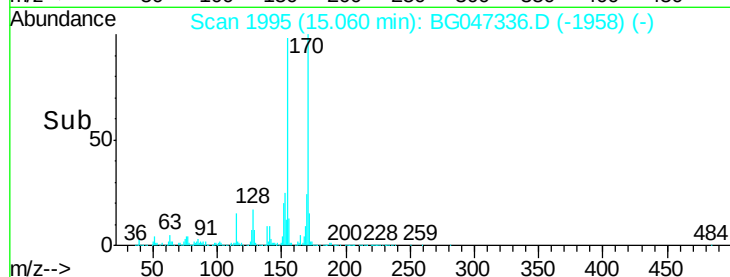
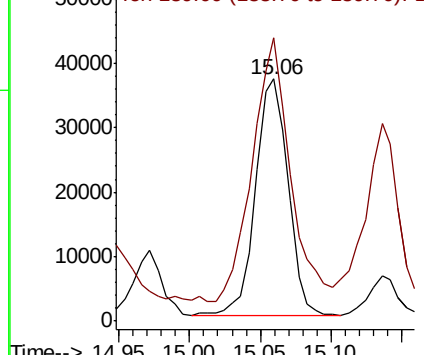
mohammad

11/17/2020 4:10:08 PM



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 3.615 ng/ul

RT: 15.71 min Scan# 2106

Delta R.T. 0.02 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

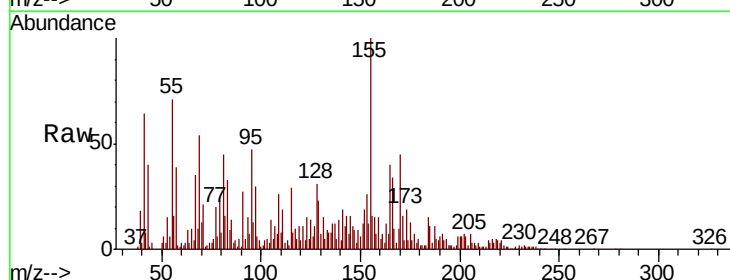
Tgt Ion:166 Resp: 42261

Ion Ratio Lower Upper

166 100

165 116.6 76.2 114.4#

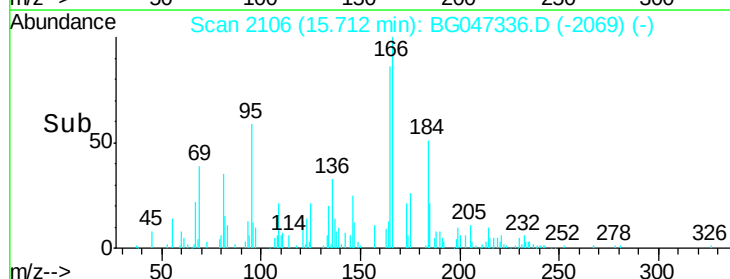
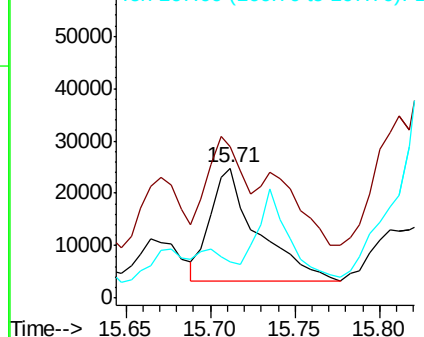
167 27.8 10.4 15.6#

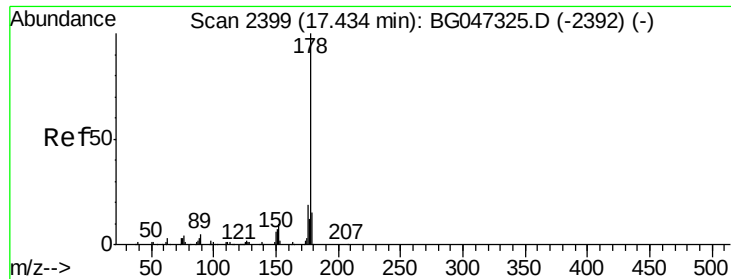


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





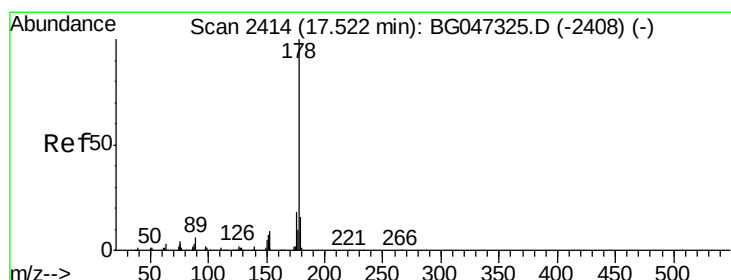
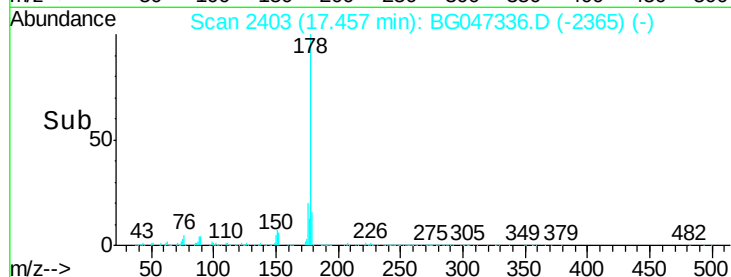
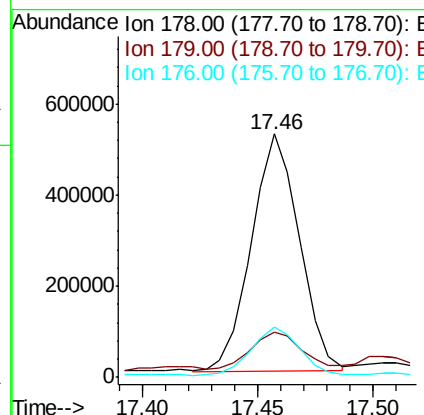
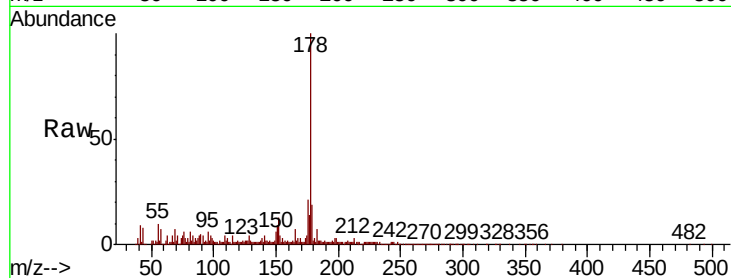
#70
Phenanthrene
Concen: 44.225 ng/ul
RT: 17.46 min Scan# 2403
Delta R.T. 0.02 min
Lab File: BG047336.D
Acq: 16 Nov 2020 18:58

Instrument :
BNA_G
ClientSampleId :
C0AC8

Tot Ion	Ratio	Lower	Upper
178	100		
179	18.8	12.2	18.4#
176	20.6	16.5	24.7

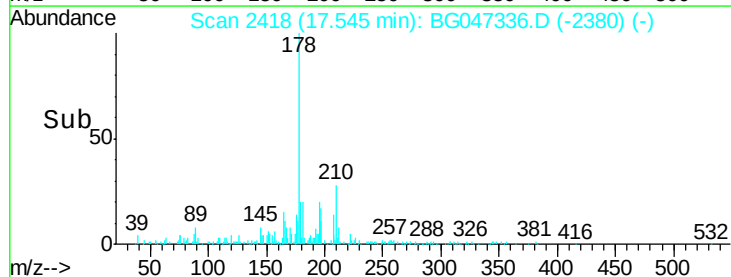
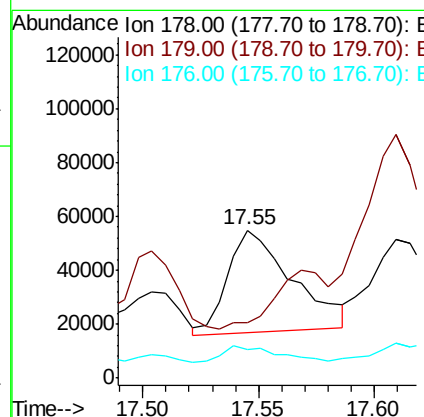
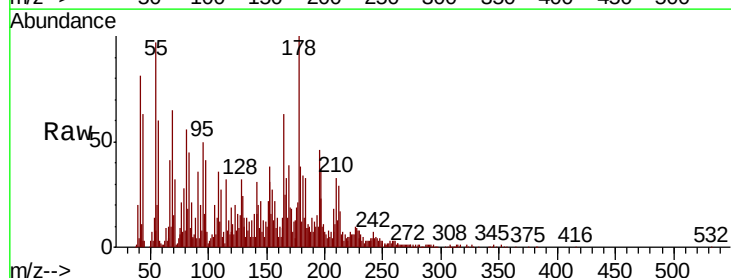
Manual Integrations
APPROVED

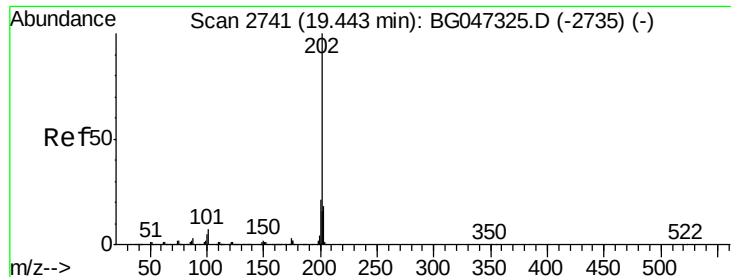
mohammad
11/17/2020 4:10:08 PM



#72
Anthracene
Concen: 4.332 ng/ul
RT: 17.55 min Scan# 2418
Delta R.T. 0.02 min
Lab File: BG047336.D
Acq: 16 Nov 2020 18:58

Tgt Ion	Ratio	Lower	Upper
178	100		
179	37.8	12.4	18.6#
176	19.4	14.4	21.6





#77

Fluoranthene

Concen: 9.275 ng/ul

RT: 19.47 min Scan# 2745

Delta R.T. 0.02 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

Instrument :

BNA_G

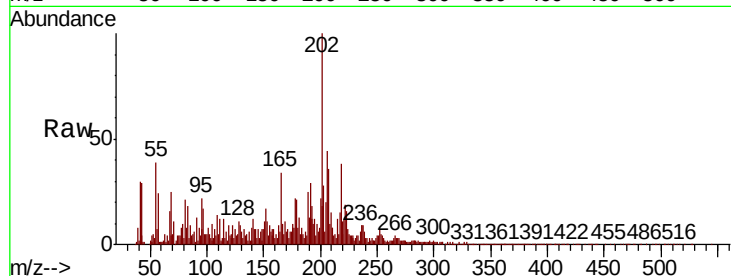
ClientSampleId :

C0AC8

Tot Ion:202	Resp:	189795
Ion Ratio	Lower	Upper
202 100		
101 8.5	5.0	7.6#
100 5.0	4.2	6.2

Manual Integrations
APPROVED

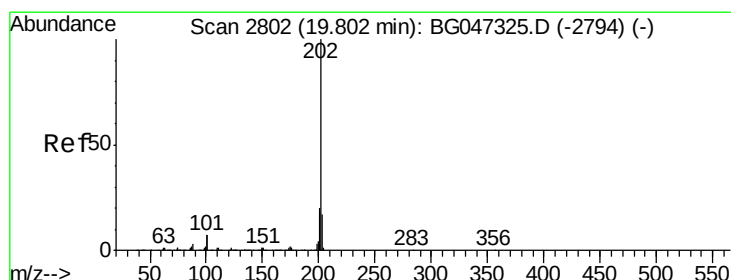
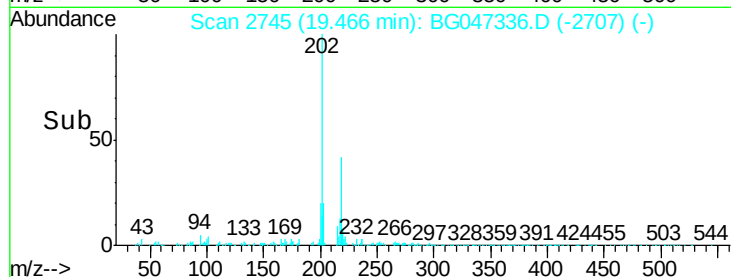
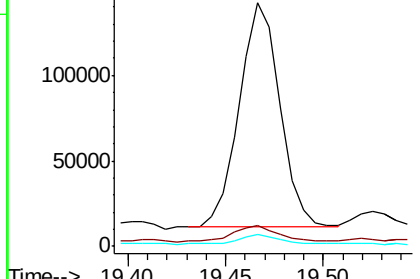
mohammad
11/17/2020 4:10:08 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 32.496 ng/ul

RT: 19.83 min Scan# 2807

Delta R.T. 0.03 min

Lab File: BG047336.D

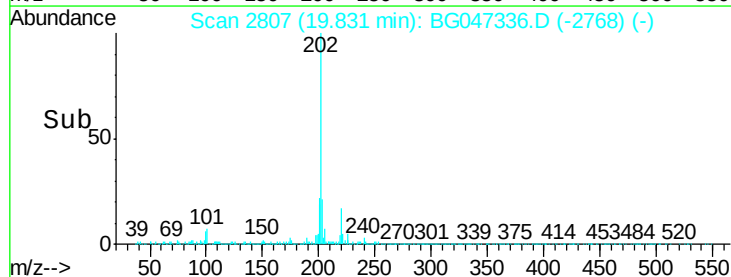
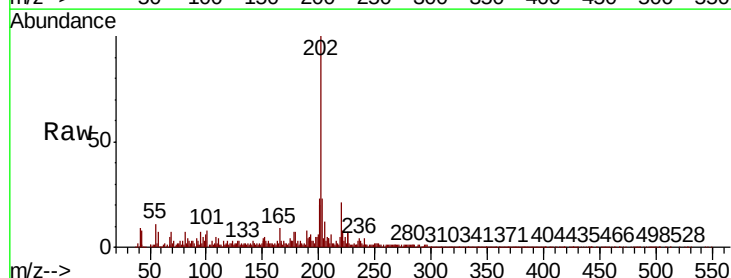
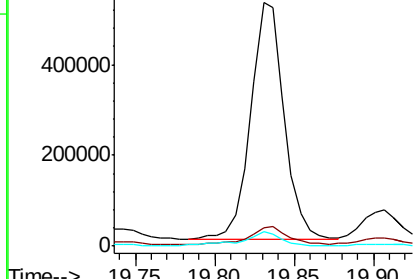
Acq: 16 Nov 2020 18:58

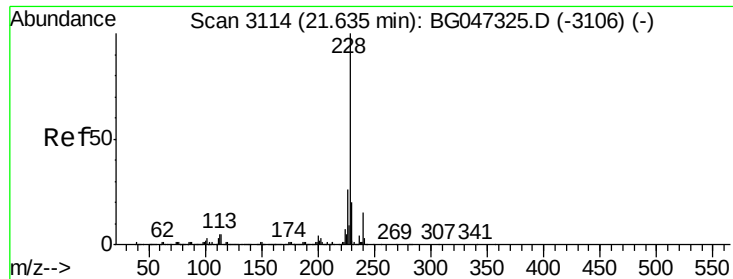
Tgt Ion:202	Resp:	769162
Ion Ratio	Lower	Upper
202 100		
101 7.6	6.5	9.7
100 5.8	5.7	8.5

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





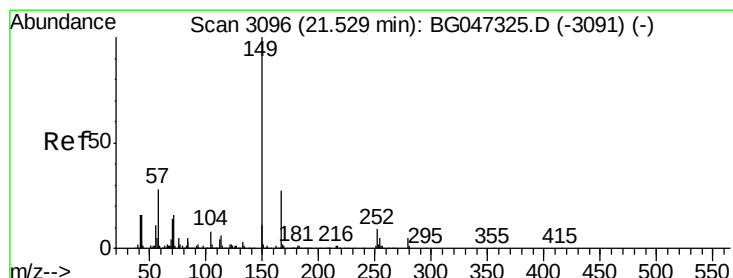
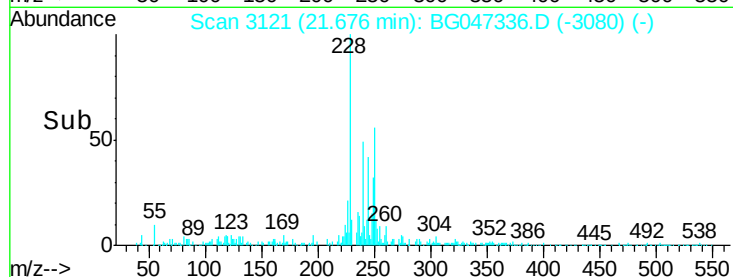
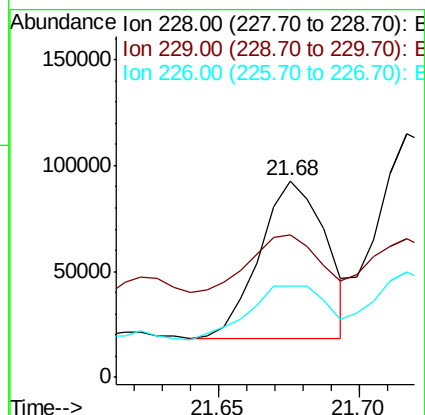
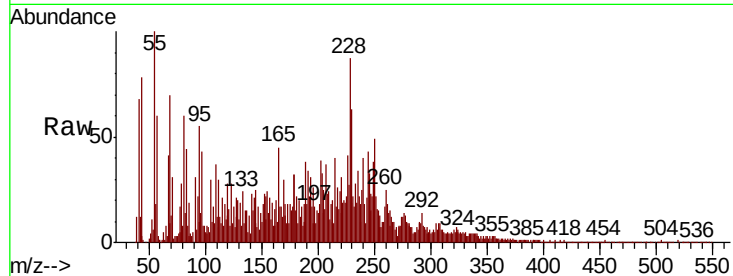
#83
Benzo(a)anthracene
Concen: 5.178 ng/ul
RT: 21.68 min Scan# 3121
Delta R.T. 0.04 min
Lab File: BG047336.D
Acq: 16 Nov 2020 18:58

Instrument :
BNA_G
ClientSampleId :
C0AC8

Tot Ion	Ratio	Lower	Upper
228	100		
229	72.2	15.1	22.7#
226	46.5	22.7	34.1#

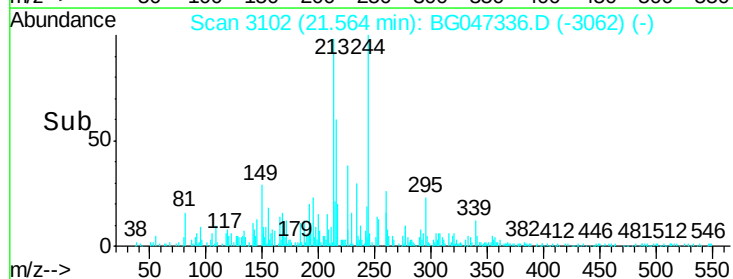
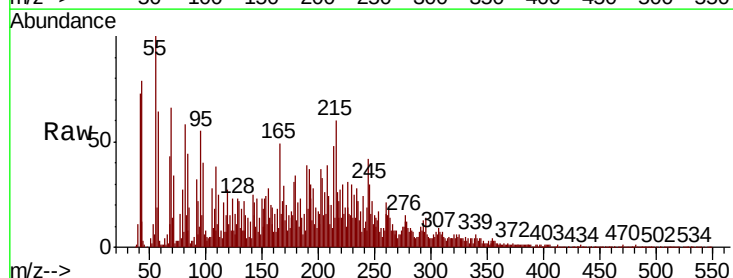
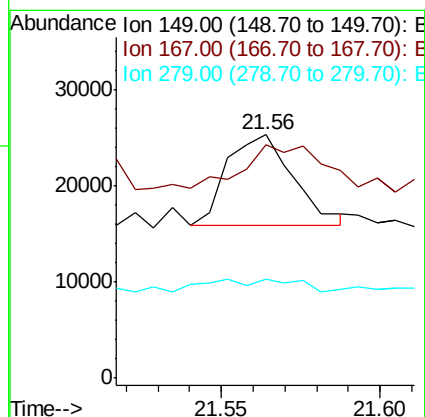
Manual Integrations
APPROVED

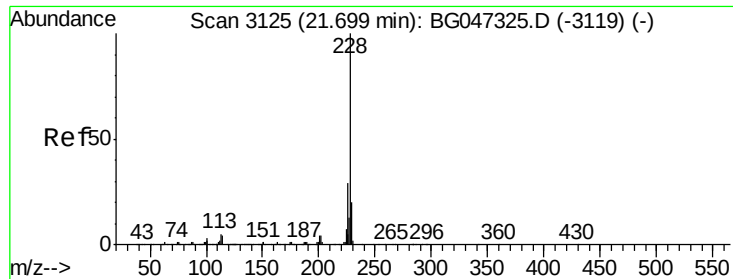
mohammad
11/17/2020 4:10:08 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 1.110 ng/ul
RT: 21.56 min Scan# 3102
Delta R.T. 0.03 min
Lab File: BG047336.D
Acq: 16 Nov 2020 18:58

Tgt Ion	Ratio	Lower	Upper
149	100		
167	96.0	22.7	34.1#
279	40.6	4.6	7.0#





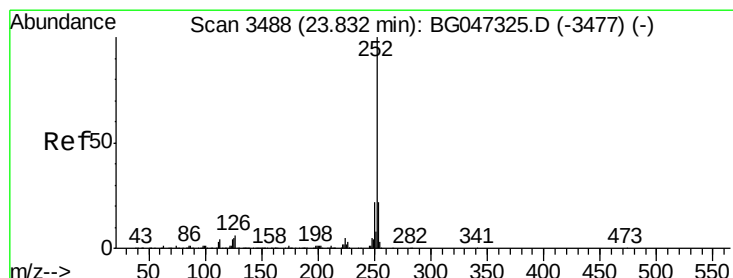
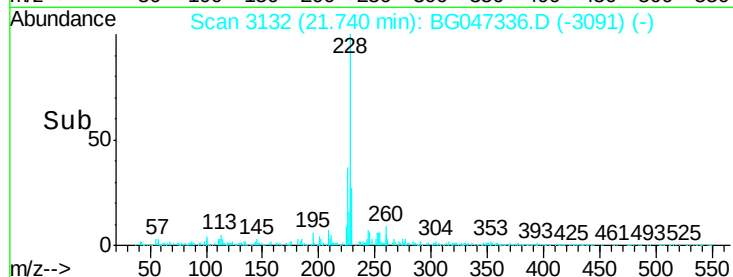
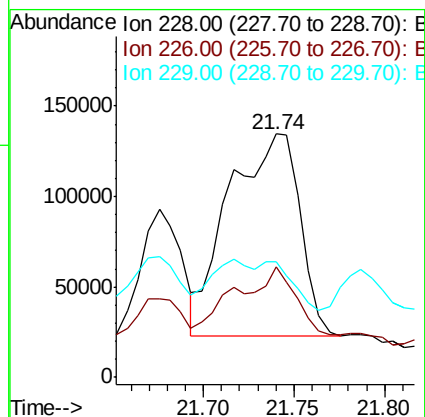
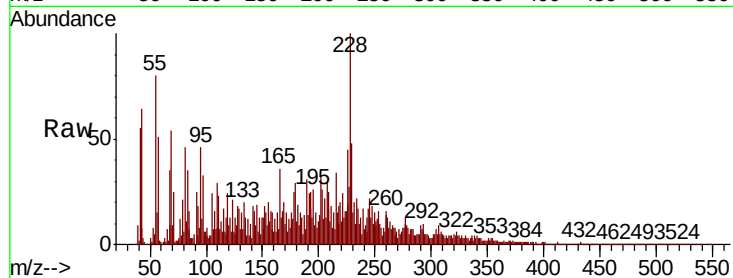
#85
Chrysene
Concen: 13.411 ng/ul m
RT: 21.74 min Scan# 3132
Delta R.T. 0.04 min
Lab File: BG047336.D
Acq: 16 Nov 2020 18:58

Instrument :
BNA_G
ClientSampleId :
C0AC8

Tot Ion	Ratio	Lower	Upper
228	100		
226	45.3	24.6	36.8#
229	47.7	15.8	23.8#

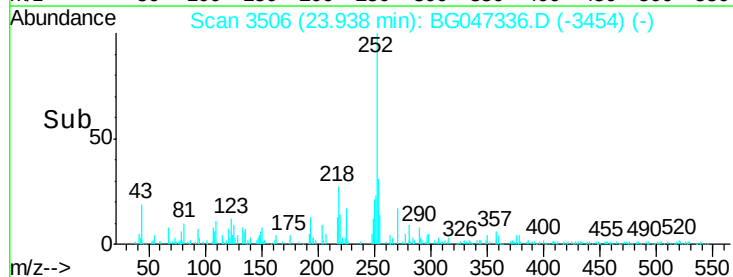
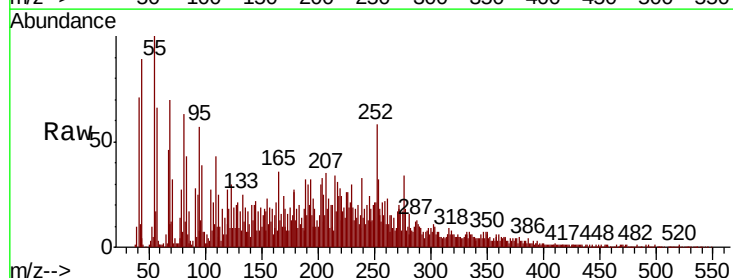
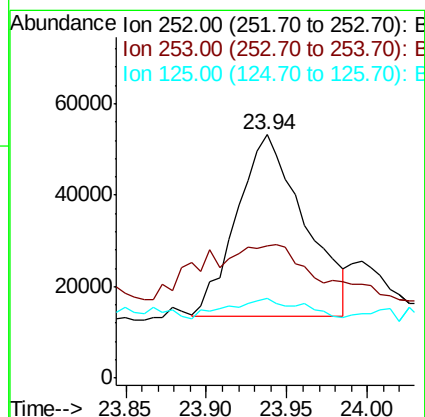
Manual Integrations
APPROVED

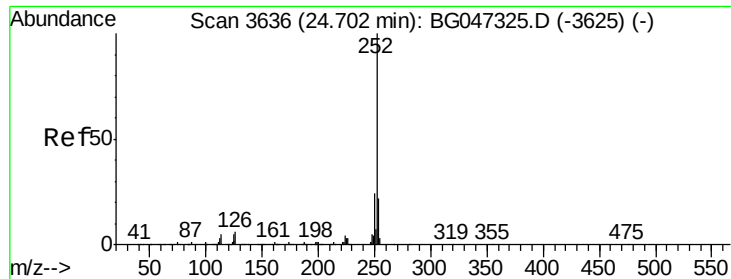
mohammad
11/17/2020 4:10:08 PM



#88
Benzo(b)fluoranthene
Concen: 5.594 ng/ul m
RT: 23.94 min Scan# 3506
Delta R.T. 0.11 min
Lab File: BG047336.D
Acq: 16 Nov 2020 18:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	54.6	18.0	27.0#
125	32.6	3.7	5.5#





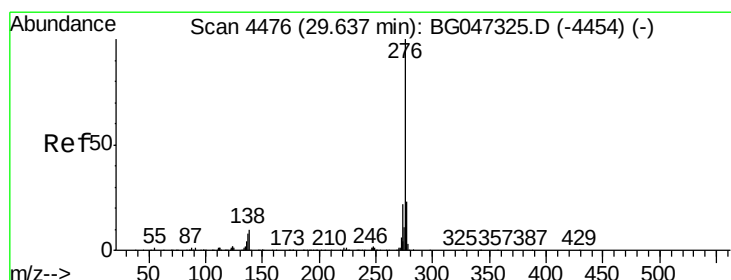
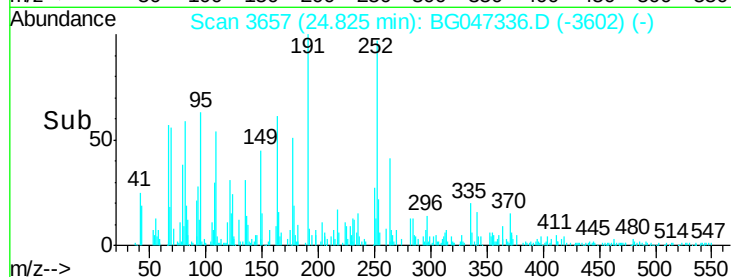
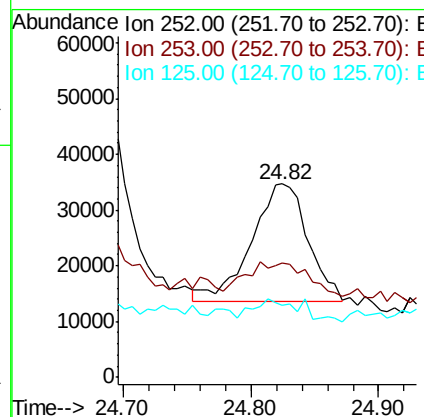
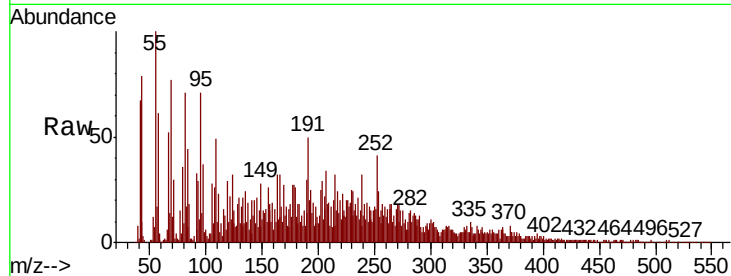
#91
Benzo(a)pyrene
Concen: 3.472 ng/ul m
RT: 24.82 min Scan# 3657
Delta R.T. 0.12 min
Lab File: BG047336.D
Acq: 16 Nov 2020 18:58

Instrument :
BNA_G
ClientSampleId :
C0AC8

Tot Ion	Ratio	Lower	Upper
252	100		
253	59.1	17.8	26.6#
125	37.6	4.2	6.4#

Manual Integrations
APPROVED

mohammad
11/17/2020 4:10:08 PM



#94
Benzo(g,h,i)perylene
Concen: 1.870 ng/ul m
RT: 29.85 min Scan# 4513
Delta R.T. 0.22 min
Lab File: BG047336.D
Acq: 16 Nov 2020 18:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.1	9.0	13.6#
277	47.5	19.2	28.8#

