

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111620\
 Data File : BG047337.D
 Acq On : 16 Nov 2020 19:39
 Operator : CG/JU
 Sample : L4762-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC9

Manual Integrations
 APPROVED

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

Quant Time: Nov 17 07:44:34 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	62145	20.00	ng/ul	0.01
18) Naphthalene-d8	10.83	136	233482	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.66	164	141172	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.41	188	285608	20.00	ng/ul	0.02
78) Chrysene-d12	21.69	240	324711	20.00	ng/ul	0.04
86) Perylene-d12	24.97	264	291743m	20.00	ng/ul	0.12

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	4458	2.89	ng/uL	0.01
5) Phenol-d5	7.19	99	118556	21.98	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.34	67	68932	22.22	ng/ul	0.02
9) 2-Chlorophenol-d4	7.55	132	96925	23.11	ng/ul	0.02
13) 4-Methylphenol-d8	8.73	113	99985	23.23	ng/ul	0.02
19) Nitrobenzene-d5	9.19	128	46943	23.99	ng/ul	0.02
22) 2-Nitrophenol-d4	9.91	143	34308	15.01	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.46	165	107612	24.12	ng/ul	0.02
29) 4-Chloroaniline-d4	10.97	131	93296	24.53	ng/ul	0.02
44) Dimethylphthalate-d6	14.06	166	269065	23.18	ng/ul	0.01
47) Acenaphthylene-d8	14.36	160	342511	24.94	ng/ul	0.02
52) 4-Nitrophenol-d4	14.88	143	39204	21.46	ng/ul	0.04
58) Fluorene-d10	15.65	176	239245	22.20	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.81	200	3886m	1.97	ng/ul	0.05
71) Anthracene-d10	17.51	188	352634	25.47	ng/ul	0.02
79) Pyrene-d10	19.80	212	418026	22.57	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.74	264	426073m	26.57	ng/ul	0.11

Target Compounds

					Ovalue	
28) Naphthalene	10.88	128	42703	3.256	ng/ul#	93
34) 2-Methylnaphthalene	12.49	142	108913	11.638	ng/ul	99
41) 1,1'-Biphenyl	13.49	154	20685	1.857	ng/ul	93
45) Dimethylphthalate	14.10	163	103054	8.847	ng/ul	97
48) Acenaphthylene	14.39	152	14796	1.152	ng/ul#	47
50) Acenaphthene	14.72	153	19201	2.066	ng/ul#	80
54) Dibenzofuran	15.06	168	37799m	2.794	ng/ul	
59) Fluorene	15.71	166	24667	2.222	ng/ul#	76
70) Phenanthrene	17.45	178	405734	25.329	ng/ul#	96
72) Anthracene	17.54	178	54602	3.392	ng/ul#	71
77) Fluoranthene	19.47	202	736461	38.198	ng/ul	99
80) Pyrene	19.83	202	1117674	50.299	ng/ul	96
83) Benzo(a)anthracene	21.67	228	590311	26.835	ng/ul#	85
85) Chrysene	21.74	228	671263	31.718	ng/ul#	89
88) Benzo(b)fluoranthene	23.93	252	798878m	41.222	ng/ul	
89) Benzo(k)fluoranthene	23.98	252	300083m	15.980	ng/ul	
91) Benzo(a)pyrene	24.81	252	532759	30.528	ng/ul#	87
92) Indeno(1,2,3-cd)pyrene	28.67	276	218791m	10.088	ng/ul	
93) Dibenzo(a,h)anthracene	28.70	278	61578m	3.500	ng/ul	
94) Benzo(g,h,i)perylene	29.83	276	177279m	9.780	ng/ul	

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

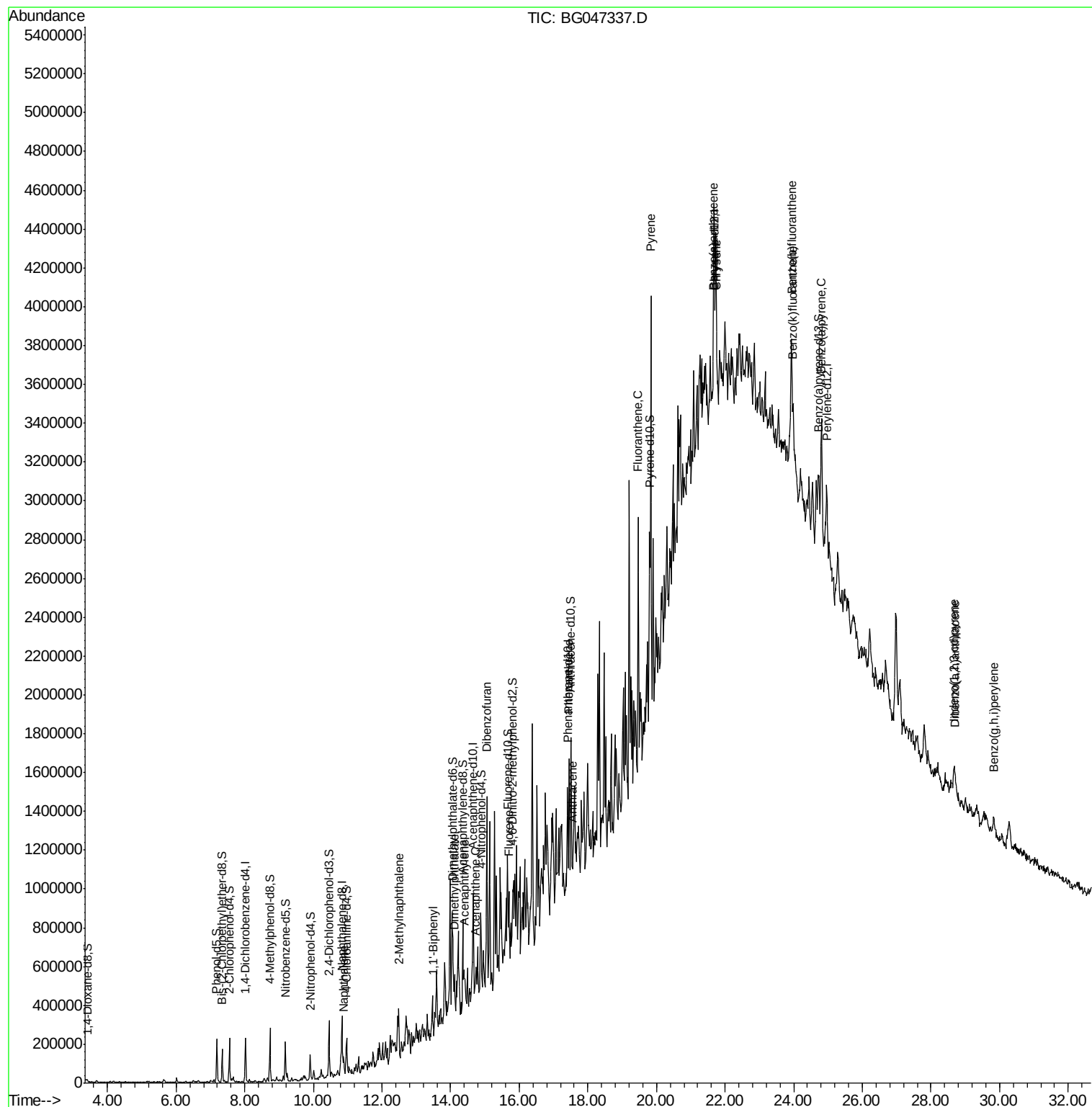
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111620\
Data File : BG047337.D
Acq On : 16 Nov 2020 19:39
Operator : CG/JU
Sample : L4762-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

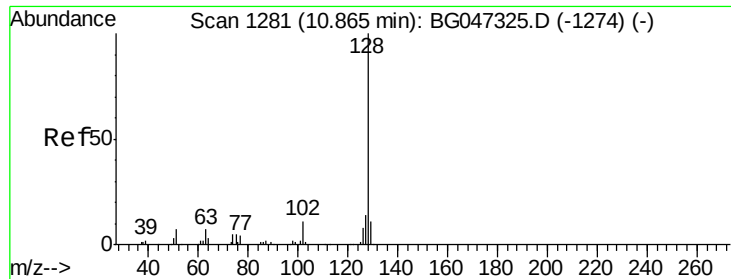
Instrument :
BNA_G
ClientSampled :
C0AC9

Manual Integrations
APPROVED

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

Quant Time: Nov 17 07:44:34 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





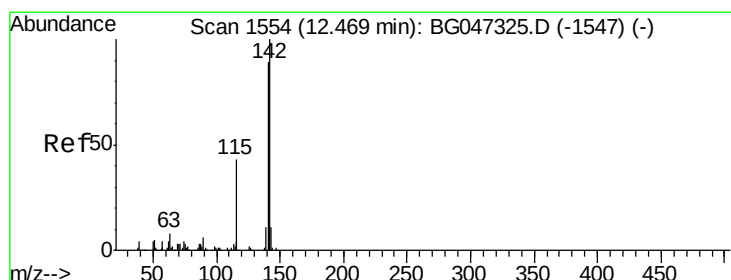
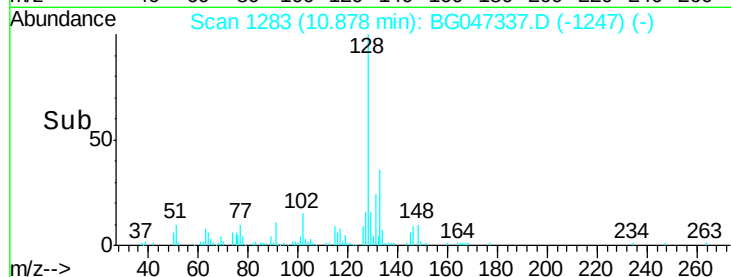
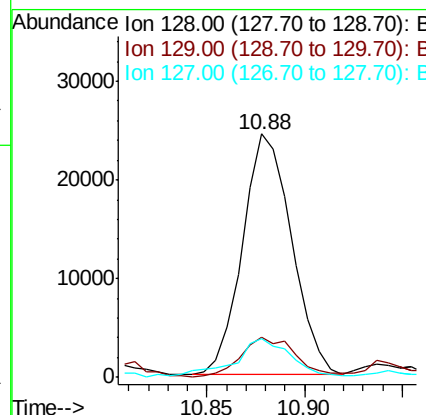
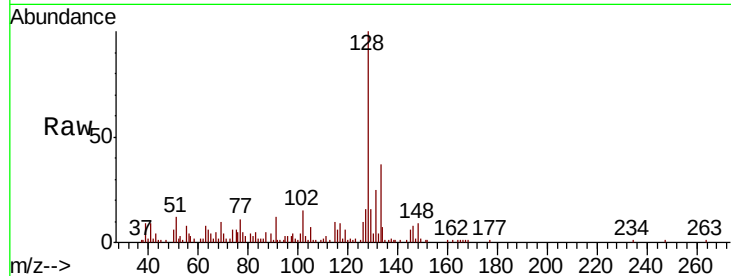
#28
Naphthalene
Concen: 3.256 ng/ul
RT: 10.88 min Scan# 1283
Delta R.T. 0.01 min
Lab File: BG047337.D
Acq: 16 Nov 2020 19:39

Instrument :
BNA_G
ClientSampleId :
C0AC9

Tot Ion	Ratio	Lower	Upper
128	100		
129	16.3	9.4	14.2#
127	15.7	11.5	17.3

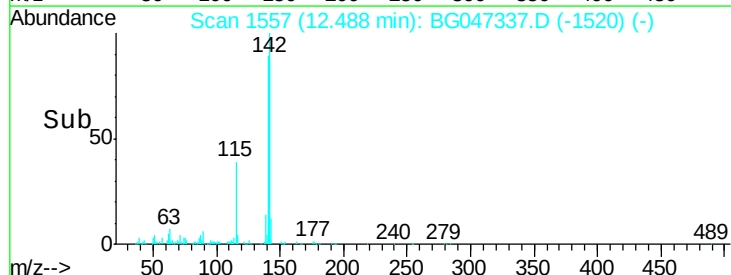
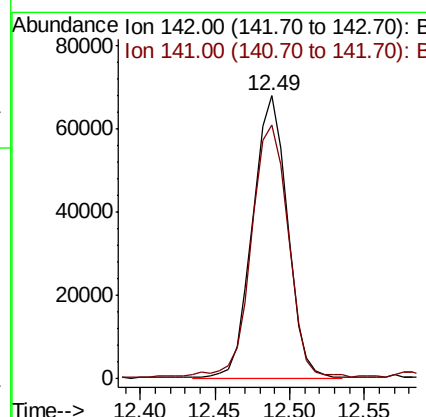
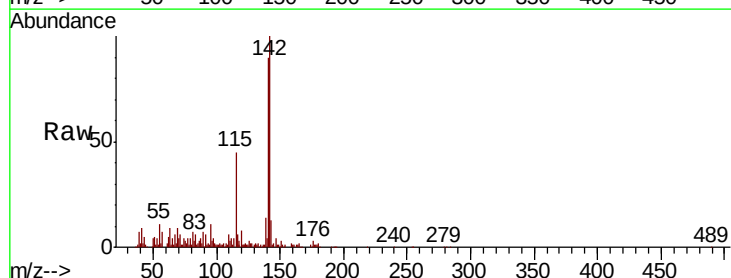
Manual Integrations
APPROVED

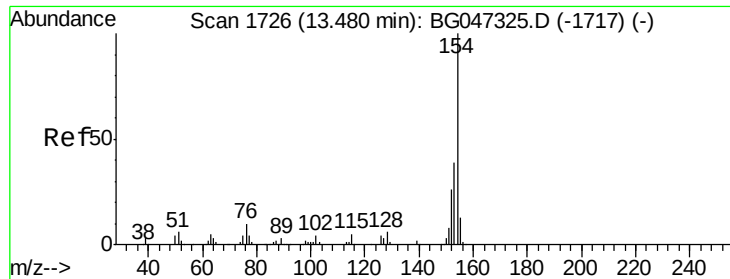
mohammad
11/17/2020 4:10:11 PM



#34
2-Methylnaphthalene
Concen: 11.638 ng/ul
RT: 12.49 min Scan# 1557
Delta R.T. 0.02 min
Lab File: BG047337.D
Acq: 16 Nov 2020 19:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.4	108.6





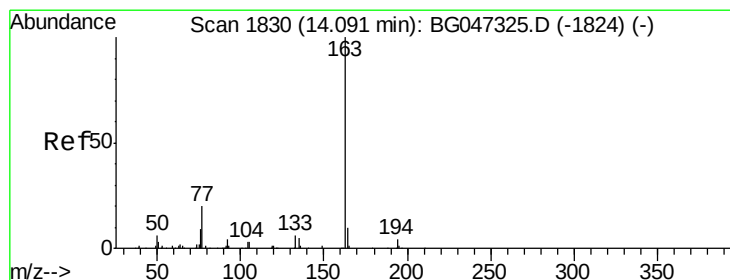
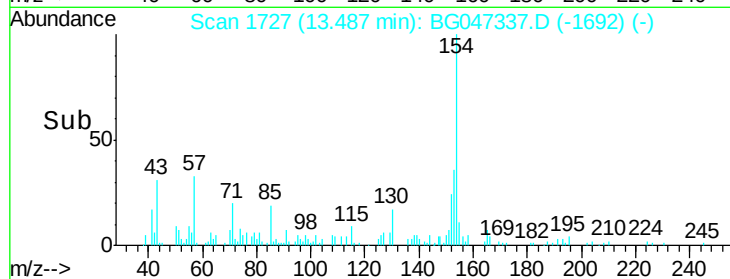
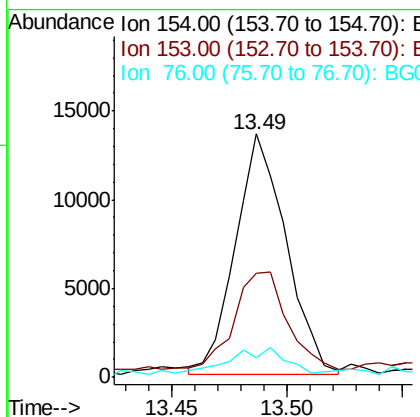
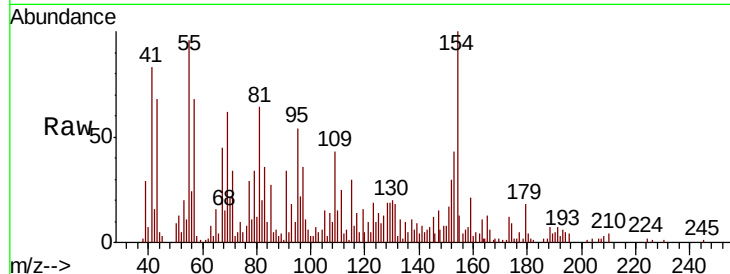
#41
1,1'-Biphenyl
Concen: 1.857 ng/ul
RT: 13.49 min Scan# 1727
Delta R.T. 0.01 min
Lab File: BG047337.D
Acq: 16 Nov 2020 19:39

Instrument :
BNA_G
ClientSampleId :
C0AC9

Tot Ion:	154	Resp:	20685
Ion Ratio	Lower	Upper	
154	100		
153	42.5	30.2	45.4
76	8.2	7.8	11.6

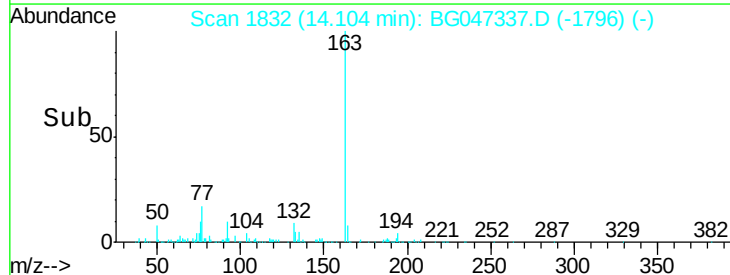
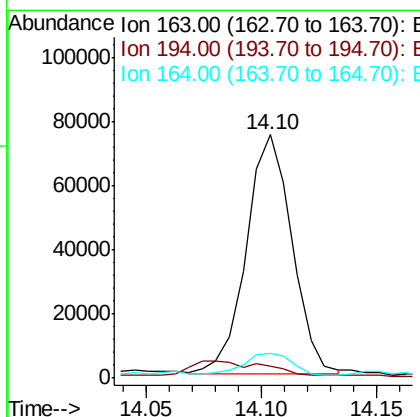
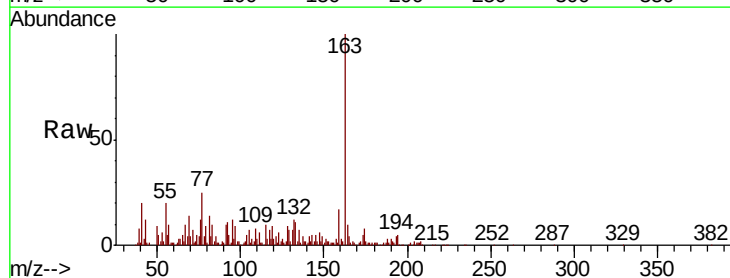
Manual Integrations
APPROVED

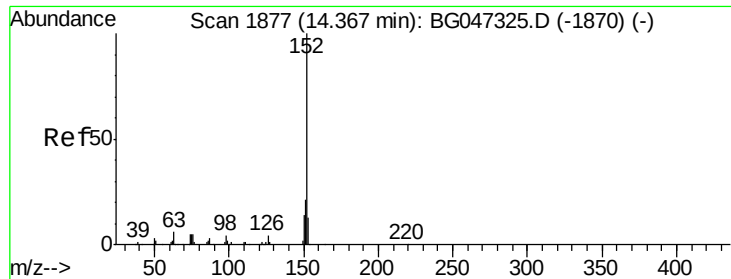
mohammad
11/17/2020 4:10:11 PM



#45
Dimethylphthalate
Concen: 8.847 ng/ul
RT: 14.10 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BG047337.D
Acq: 16 Nov 2020 19:39

Tgt Ion:	163	Resp:	103054
Ion Ratio	Lower	Upper	
163	100		
194	4.8	3.4	5.0
164	10.2	7.2	10.8





#48

Acenaphthylene

Concen: 1.152 ng/ul

RT: 14.39 min Scan# 1880

Delta R.T. 0.02 min

Lab File: BG047337.D

Acq: 16 Nov 2020 19:39

Instrument :

BNA_G

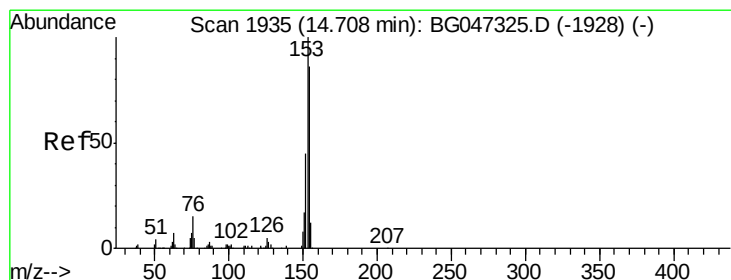
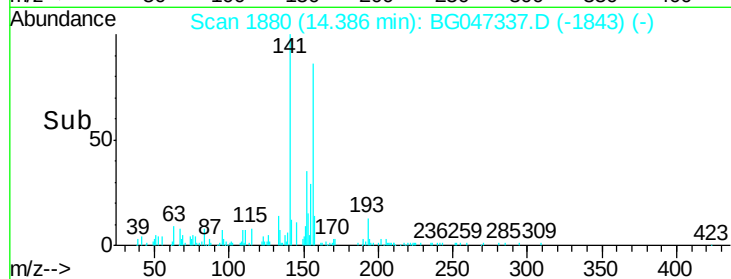
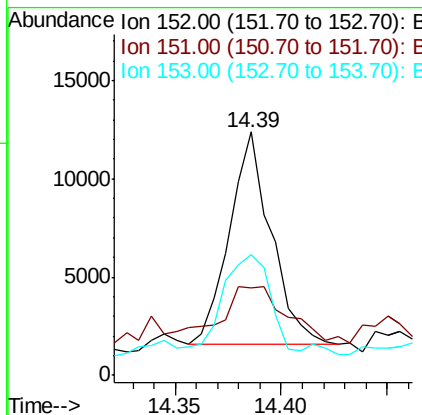
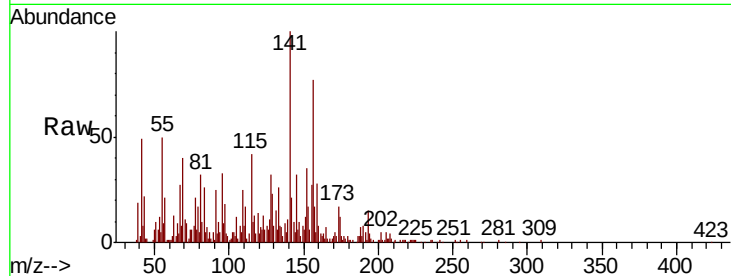
ClientSampleId :

C0AC9

Tot Ion:	152	Resp:	14796
Ion Ratio	Lower	Upper	
152	100		
151	35.7	17.4	26.2#
153	49.6	10.2	15.4#

Manual Integrations
APPROVED

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



#50

Acenaphthene

Concen: 2.066 ng/ul

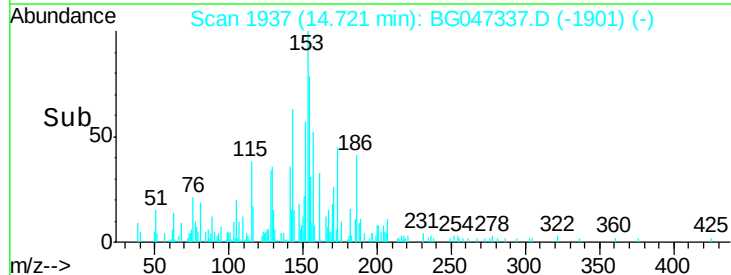
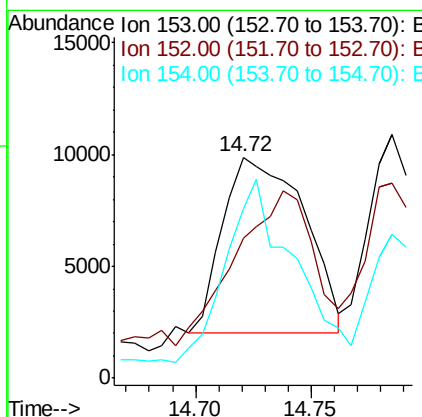
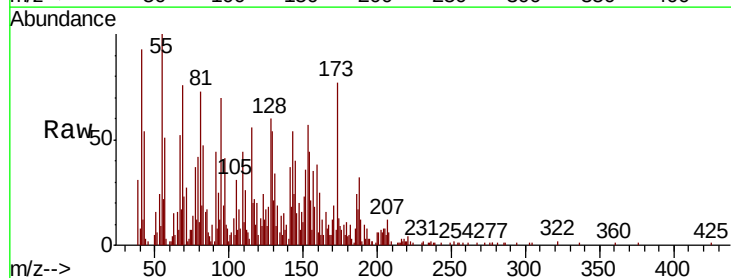
RT: 14.72 min Scan# 1937

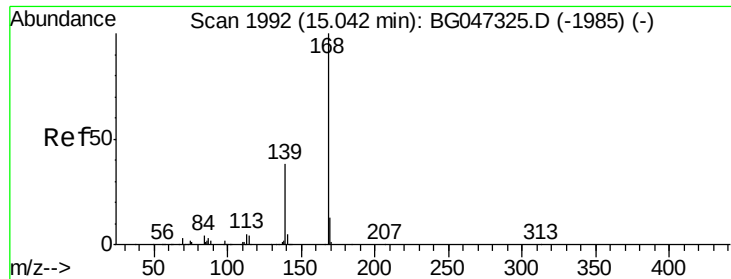
Delta R.T. 0.01 min

Lab File: BG047337.D

Acq: 16 Nov 2020 19:39

Tgt Ion:	153	Resp:	19201
Ion Ratio	Lower	Upper	
153	100		
152	63.5	37.0	55.4#
154	76.7	74.0	111.0





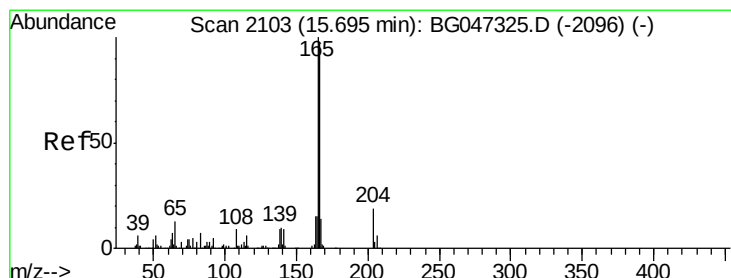
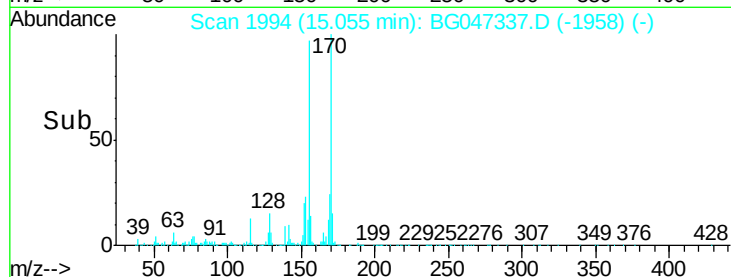
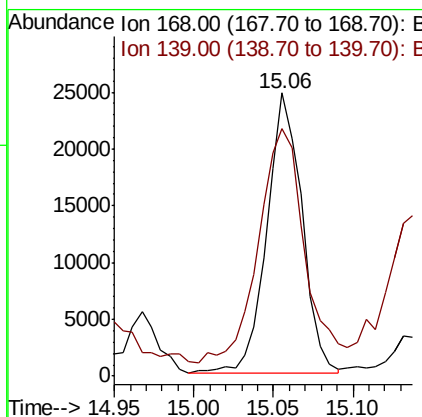
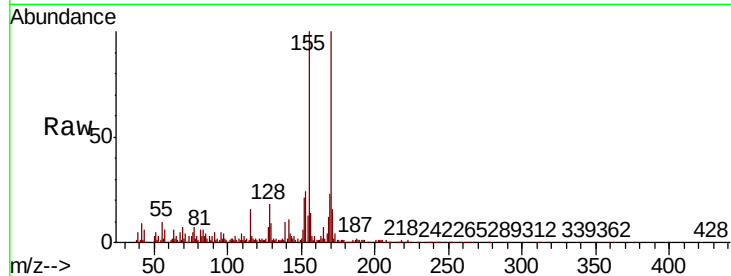
#54
Dibenzenofuran
Concen: 2.794 ng/ul m
RT: 15.06 min Scan# 1994
Delta R.T. 0.01 min
Lab File: BG047337.D
Acq: 16 Nov 2020 19:39

Instrument :
BNA_G
ClientSampleId :
C0AC9

Tot Ion:168 Resp: 37799
Ion Ratio Lower Upper
168 100
139 87.4 31.5 47.3#

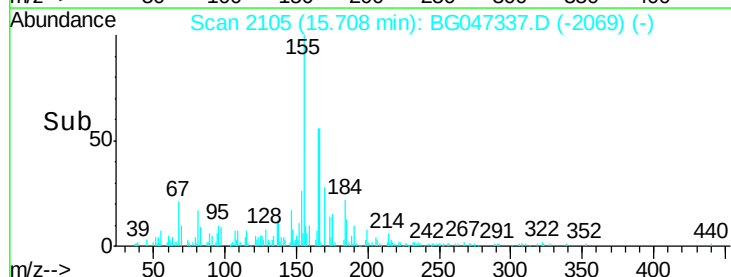
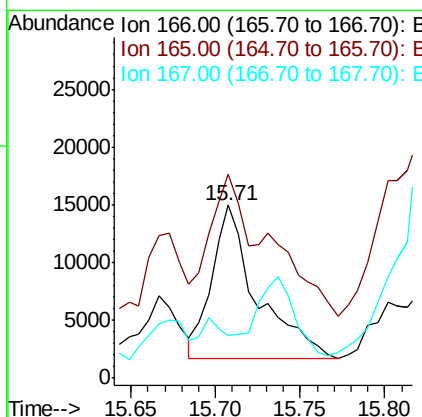
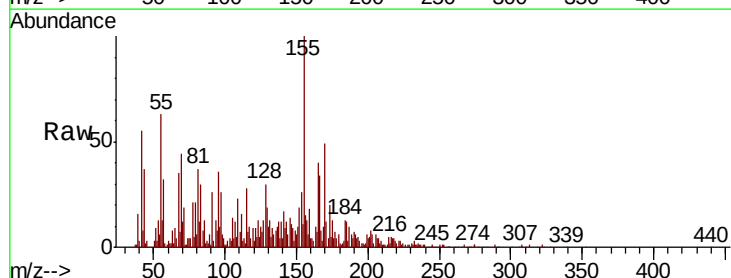
Manual Integrations
APPROVED

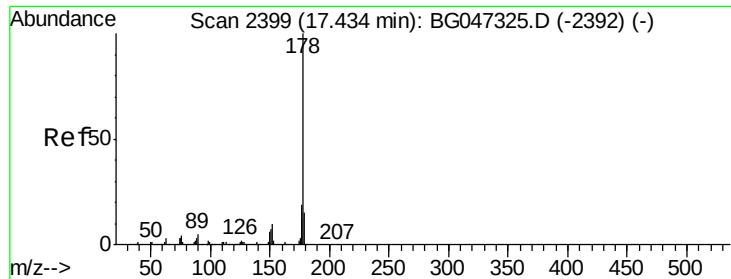
mohammad
11/17/2020 4:10:11 PM



#59
Fluorene
Concen: 2.222 ng/ul
RT: 15.71 min Scan# 2105
Delta R.T. 0.01 min
Lab File: BG047337.D
Acq: 16 Nov 2020 19:39

Tgt Ion:166 Resp: 24667
Ion Ratio Lower Upper
166 100
165 117.7 76.2 114.4#
167 25.0 10.4 15.6#





#70

Phenanthrene

Concen: 25.329 ng/ul

RT: 17.45 min Scan# 2402

Delta R.T. 0.02 min

Lab File: BG047337.D

Acq: 16 Nov 2020 19:39

Instrument :

BNA_G

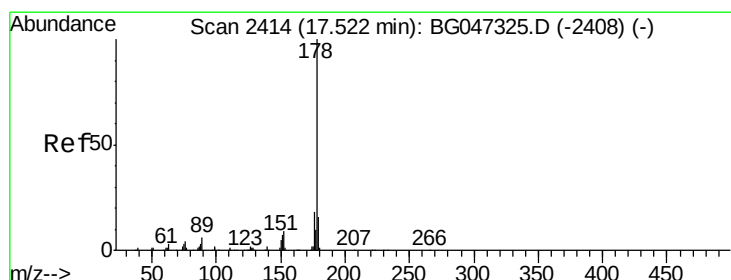
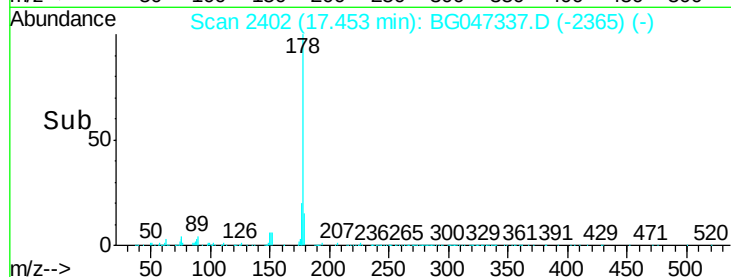
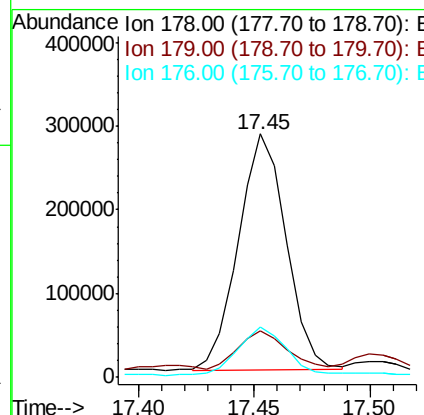
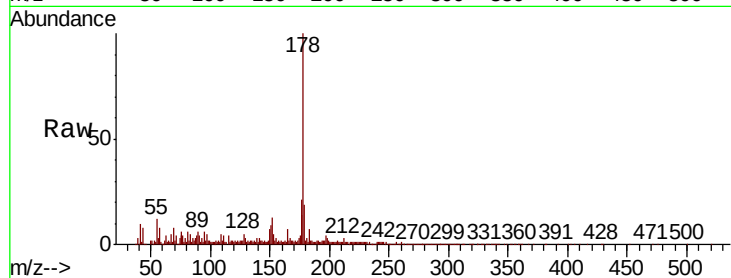
ClientSampleId :

C0AC9

Tot Ion:178	Resp:	405734
Ion Ratio	Lower	Upper
178	100	
179	18.9	12.2 18.4#
176	20.6	16.5 24.7

Manual Integrations
APPROVED

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



#72

Anthracene

Concen: 3.392 ng/ul

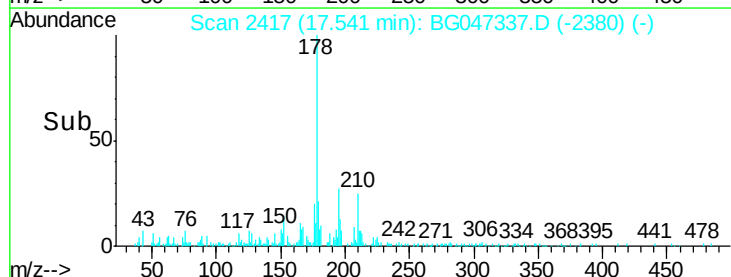
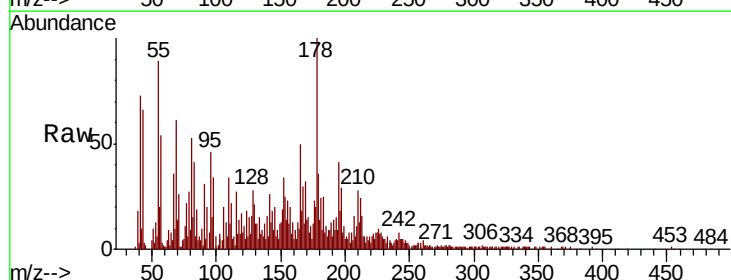
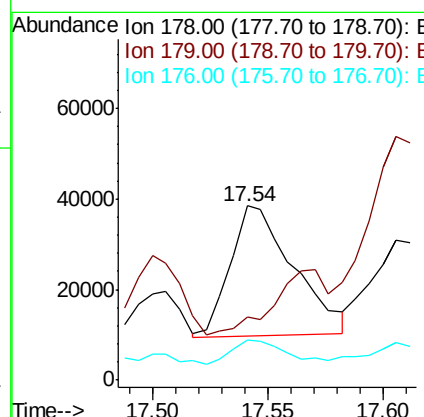
RT: 17.54 min Scan# 2417

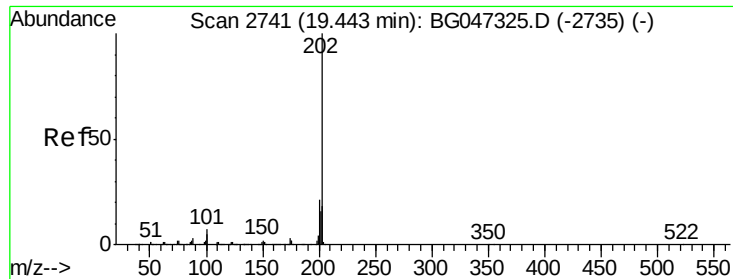
Delta R.T. 0.02 min

Lab File: BG047337.D

Acq: 16 Nov 2020 19:39

Tgt Ion:178	Resp:	54602
Ion Ratio	Lower	Upper
178	100	
179	36.1	12.4 18.6#
176	22.8	14.4 21.6#





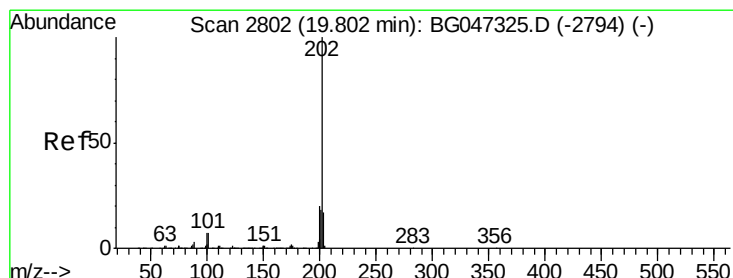
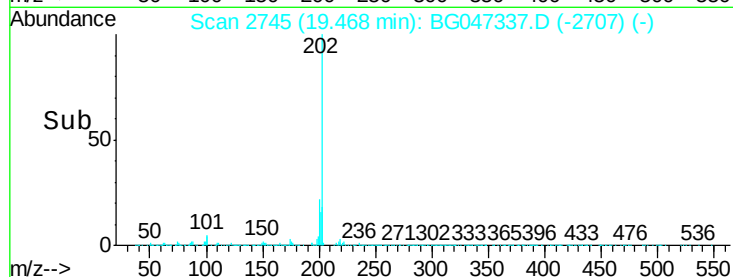
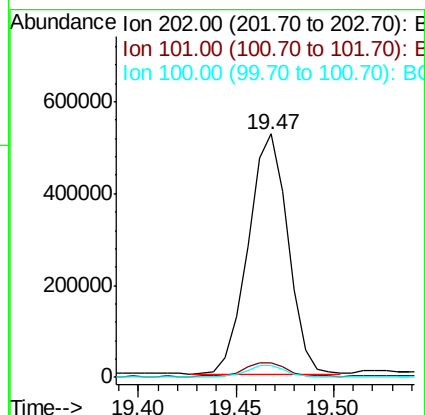
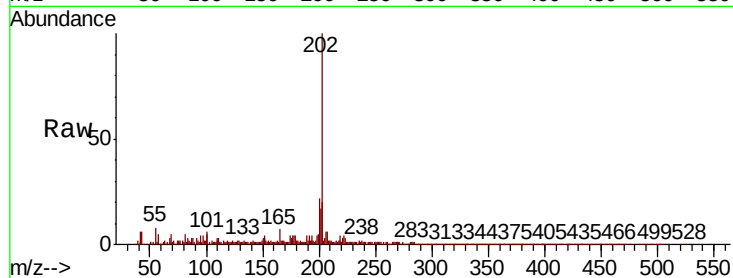
#77
Fluoranthene
Concen: 38.198 ng/ul
RT: 19.47 min Scan# 2745
Delta R.T. 0.02 min
Lab File: BG047337.D
Acq: 16 Nov 2020 19:39

Instrument :
BNA_G
ClientSampleId :
C0AC9

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		736461		
101	5.9	5.0	7.6		
100	4.6	4.2	6.2		

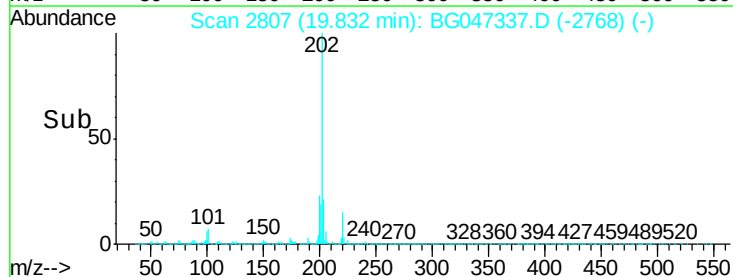
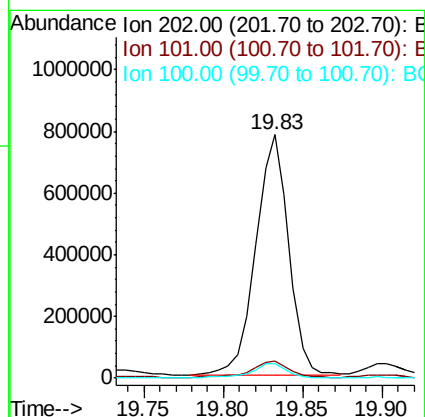
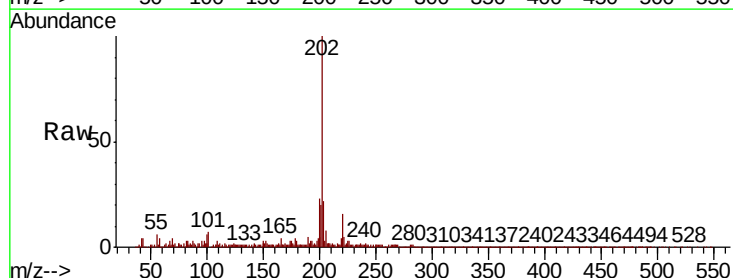
Manual Integrations
APPROVED

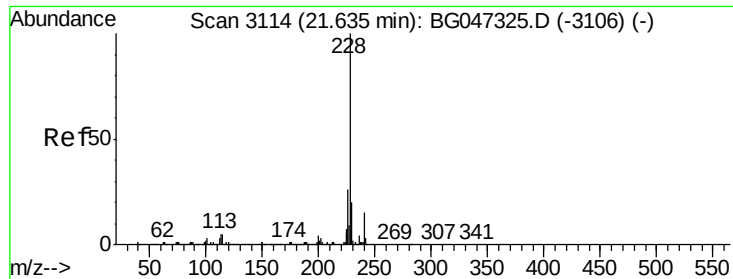
mohammad
11/17/2020 4:10:11 PM



#80
Pyrene
Concen: 50.299 ng/ul
RT: 19.83 min Scan# 2807
Delta R.T. 0.03 min
Lab File: BG047337.D
Acq: 16 Nov 2020 19:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		1117674		
101	6.8	6.5	9.7		
100	5.7	5.7	8.5		





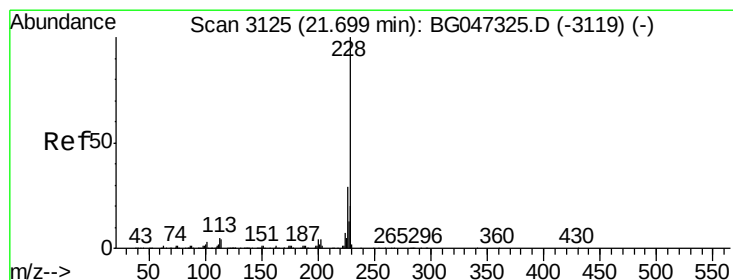
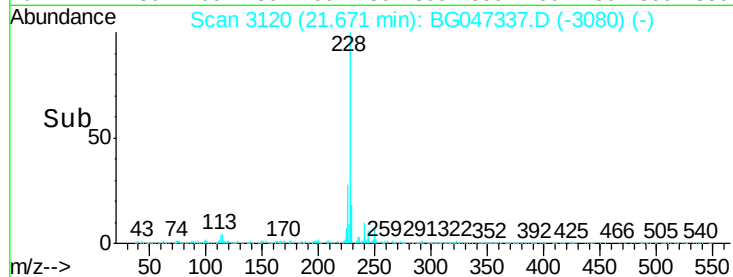
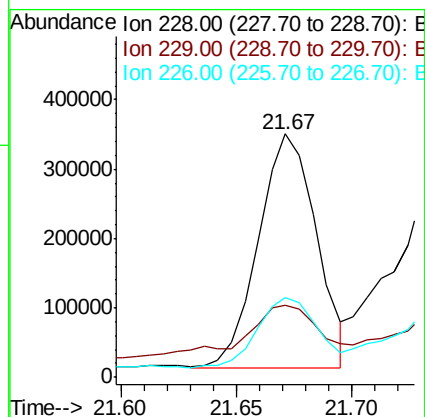
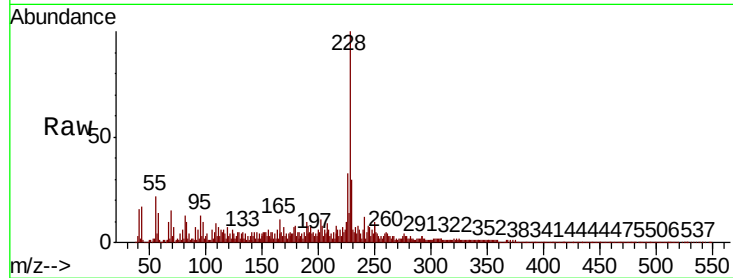
#83
Benzo(a)anthracene
Concen: 26.835 ng/ul
RT: 21.67 min Scan# 3120
Delta R.T. 0.04 min
Lab File: BG047337.D
Acq: 16 Nov 2020 19:39

Instrument :
BNA_G
ClientSampleId :
C0AC9

Tot Ion	Ratio	Lower	Upper
228	100		
229	29.7	15.1	22.7#
226	32.8	22.7	34.1

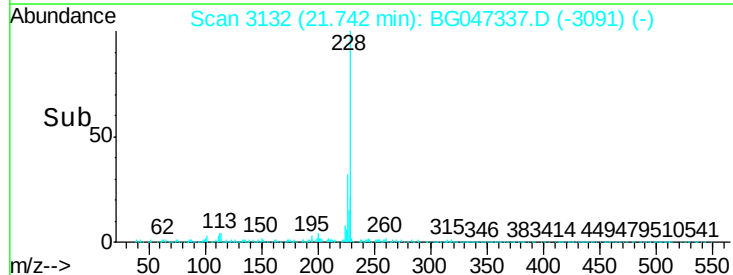
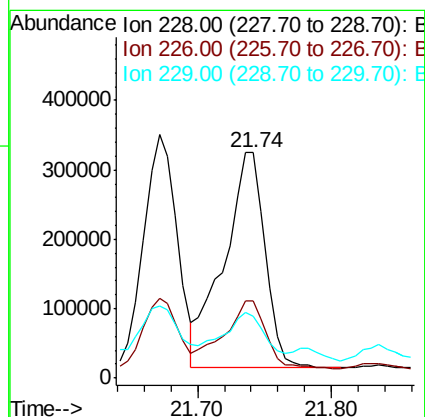
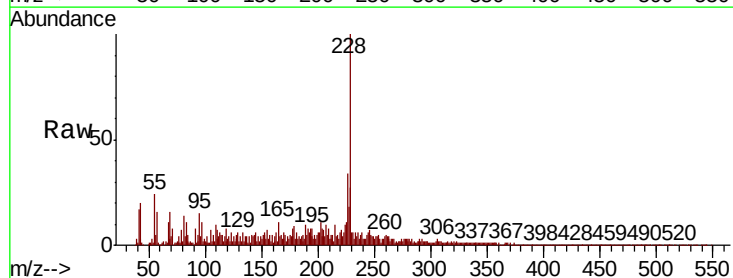
Manual Integrations
APPROVED

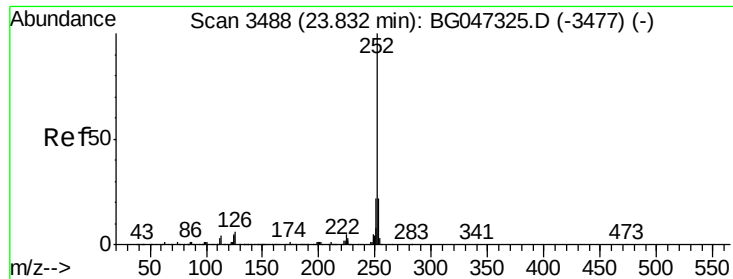
mohammad
11/17/2020 4:10:11 PM



#85
Chrysene
Concen: 31.718 ng/ul
RT: 21.74 min Scan# 3132
Delta R.T. 0.04 min
Lab File: BG047337.D
Acq: 16 Nov 2020 19:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.3	24.6	36.8
229	27.5	15.8	23.8#





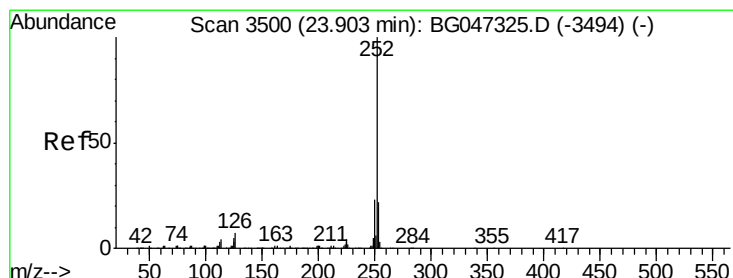
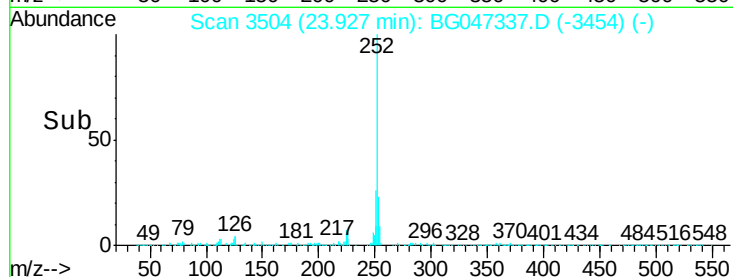
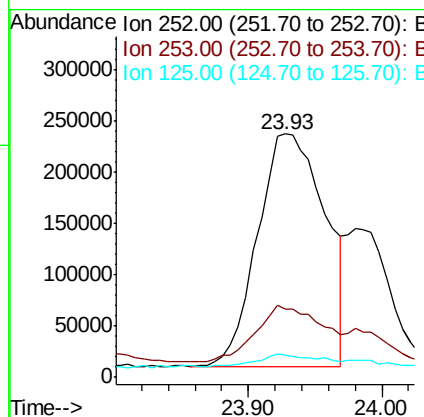
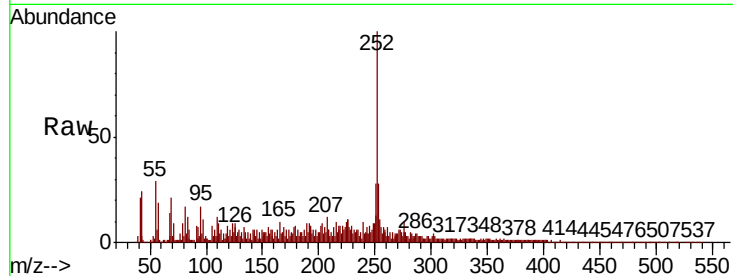
#88
Benzo(b)fluoranthene
Concen: 41.222 ng/ul m
RT: 23.93 min Scan# 3504
Delta R.T. 0.10 min
Lab File: BG047337.D
Acq: 16 Nov 2020 19:39

Instrument :
BNA_G
ClientSampleId :
C0AC9

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.0	27.0#
125	8.9	3.7	5.5#

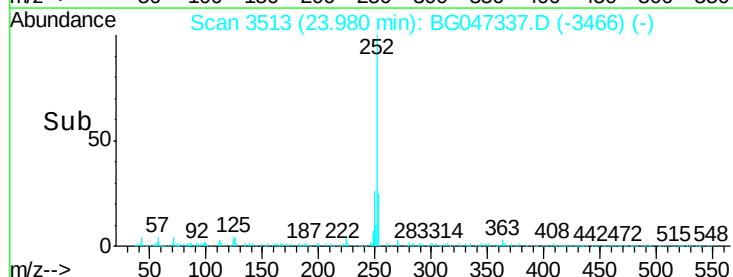
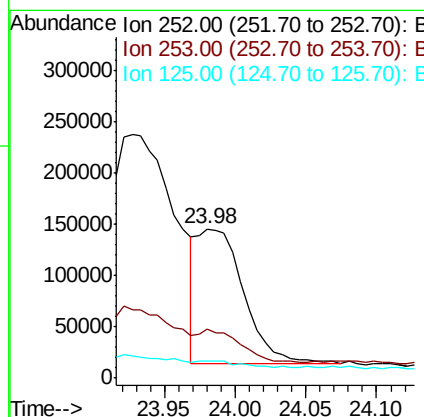
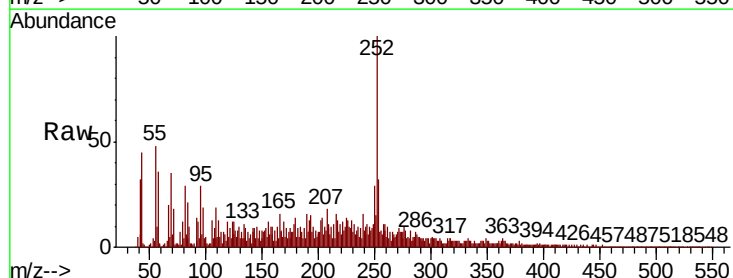
Manual Integrations
APPROVED

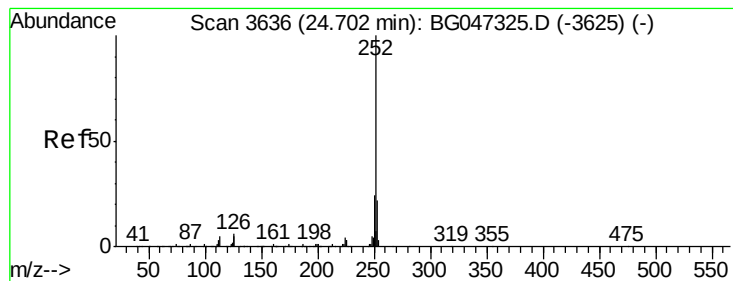
mohammad
11/17/2020 4:10:11 PM



#89
Benzo(k)fluoranthene
Concen: 15.980 ng/ul m
RT: 23.98 min Scan# 3513
Delta R.T. 0.08 min
Lab File: BG047337.D
Acq: 16 Nov 2020 19:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.5	18.2	27.4#
125	11.5	4.6	7.0#





#91

Benzo(a)pyrene

Concen: 30.528 ng/ul

RT: 24.81 min Scan# 3654

Delta R.T. 0.11 min

Lab File: BG047337.D

Acq: 16 Nov 2020 19:39

Instrument :

BNA_G

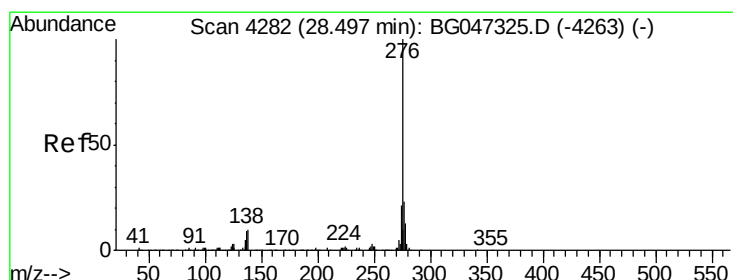
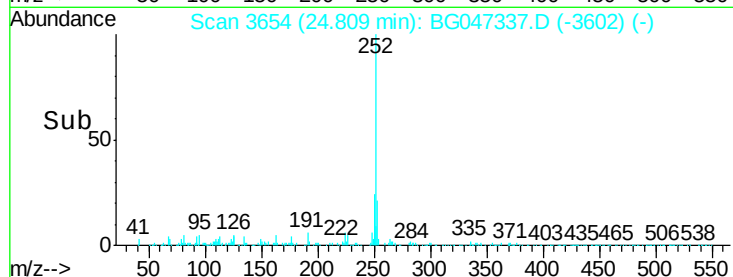
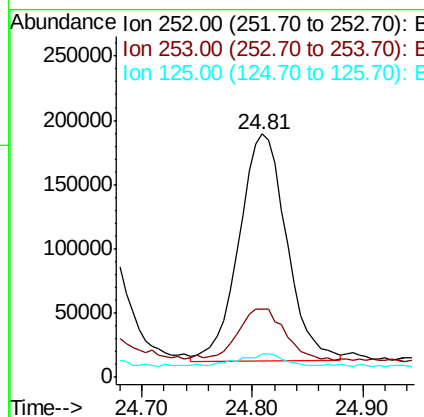
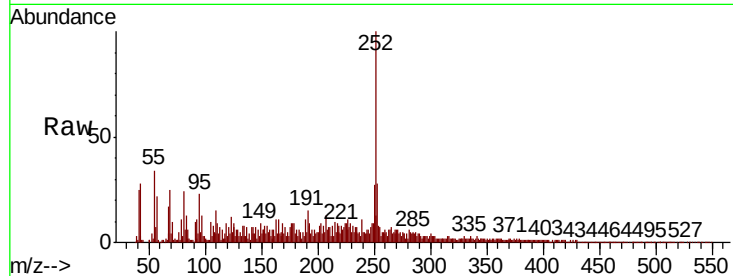
ClientSampleId :

C0AC9

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.8	26.6#
125	9.5	4.2	6.4#

Manual Integrations
APPROVED

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



#92

Indeno(1,2,3-cd)pyrene

Concen: 10.088 ng/ul m

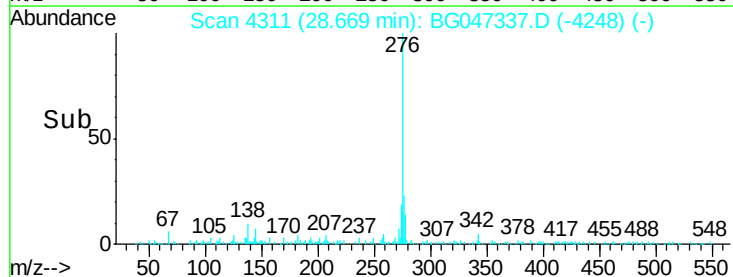
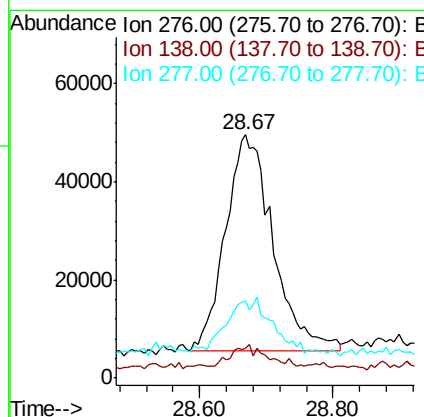
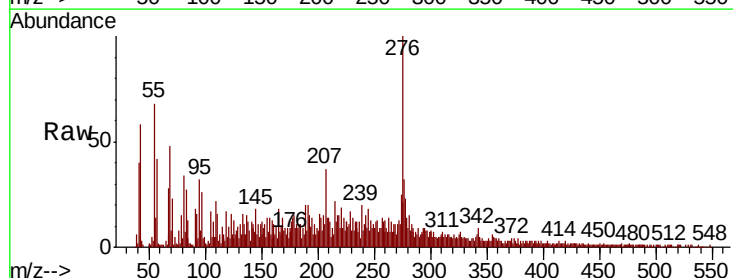
RT: 28.67 min Scan# 4311

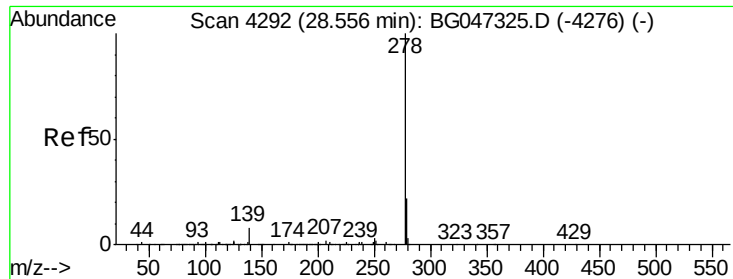
Delta R.T. 0.17 min

Lab File: BG047337.D

Acq: 16 Nov 2020 19:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.2	8.1	12.1#
277	31.9	20.2	30.4#





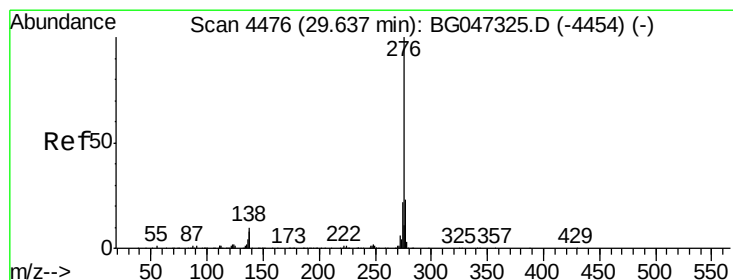
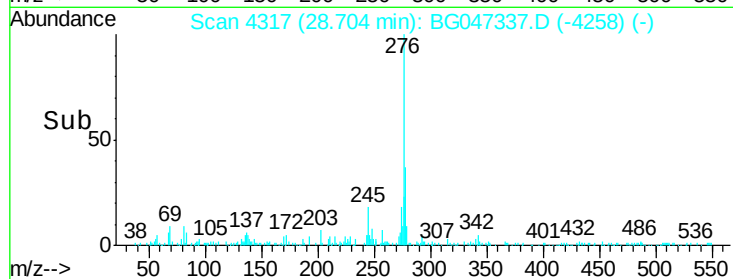
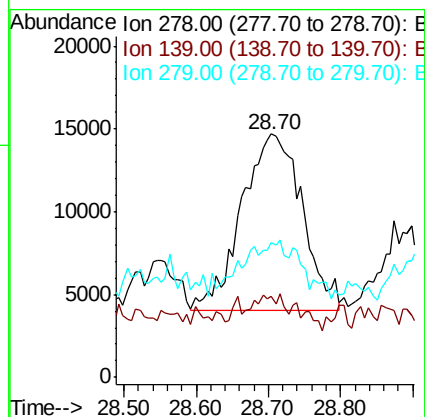
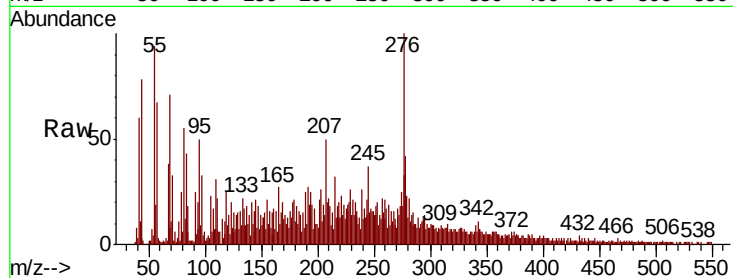
#93
Dibenzo(a,h)anthracene
Concen: 3.500 ng/ul m
RT: 28.70 min Scan# 4317
Delta R.T. 0.15 min
Lab File: BG047337.D
Acq: 16 Nov 2020 19:39

Instrument :
BNA_G
ClientSampleId :
C0AC9

Tot Ion	Ratio	Lower	Upper
278	100		
139	33.4	7.1	10.7#
279	55.4	19.9	29.9#

Manual Integrations
APPROVED

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



#94
Benzo(g,h,i)perylene
Concen: 9.780 ng/ul m
RT: 29.83 min Scan# 4508
Delta R.T. 0.19 min
Lab File: BG047337.D
Acq: 16 Nov 2020 19:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.5	9.0	13.6
277	30.6	19.2	28.8#

