

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111620\
 Data File : BG047330.D
 Acq On : 16 Nov 2020 14:55
 Operator : CG/JU
 Sample : L4762-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB9

Manual Integrations
 APPROVED

mohammad
 11/17/2020 4:09:51 PM

Quant Time: Nov 16 15:34:10 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	55546	20.00	ng/ul	0.01
18) Naphthalene-d8	10.82	136	226788	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.65	164	142913	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.40	188	271111	20.00	ng/ul	0.00
78) Chrysene-d12	21.66	240	283517	20.00	ng/ul	0.01
86) Perylene-d12	24.88	264	300579	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	3954	2.87	ng/uL	0.02
5) Phenol-d5	7.18	99	97932	20.31	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.33	67	55565	20.04	ng/ul	0.01
9) 2-Chlorophenol-d4	7.55	132	82453	21.99	ng/ul	0.01
13) 4-Methylphenol-d8	8.73	113	81945	21.30	ng/ul	0.02
19) Nitrobenzene-d5	9.18	128	40971	21.55	ng/ul	0.01
22) 2-Nitrophenol-d4	9.90	143	45253	20.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.45	165	90055	20.78	ng/ul	0.01
29) 4-Chloroaniline-d4	10.96	131	90849	24.59	ng/ul	0.01
44) Dimethylphthalate-d6	14.05	166	243013	20.68	ng/ul	0.00
47) Acenaphthylene-d8	14.34	160	308783	22.21	ng/ul	0.00
52) 4-Nitrophenol-d4	14.86	143	33261	17.98	ng/ul	0.02
58) Fluorene-d10	15.64	176	209309	19.18	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.77	200	778	0.42	ng/ul	0.02
71) Anthracene-d10	17.50	188	295321	22.47	ng/ul	0.01
79) Pyrene-d10	19.78	212	328225	20.30	ng/ul	0.01
90) Benzo(a)pyrene-d12	24.67	264	357361	21.63	ng/ul	0.04

Target Compounds

					Ovalue	
28) Naphthalene	10.88	128	40768	3.200	ng/ul	95
34) 2-Methylnaphthalene	12.48	142	20342	2.238	ng/ul	100
45) Dimethylphthalate	14.10	163	107863	9.147	ng/ul#	96
50) Acenaphthene	14.72	153	72975	7.755	ng/ul	96
54) Dibenzofuran	15.05	168	55027	4.018	ng/ul	98
59) Fluorene	15.70	166	50838	4.523	ng/ul	96
70) Phenanthrene	17.45	178	649948	42.744	ng/ul	98
72) Anthracene	17.53	178	99002	6.479	ng/ul	97
75) Carbazole	17.80	167	71153	6.062	ng/ul	95
77) Fluoranthene	19.45	202	799662	43.694	ng/ul	98
80) Pyrene	19.81	202	630991	32.522	ng/ul#	95
83) Benzo(a)anthracene	21.65	228	346399	18.035	ng/ul	96
85) Chrysene	21.71	228	362243m	19.603	ng/ul	
88) Benzo(b)fluoranthene	23.87	252	475874	23.833	ng/ul#	95
89) Benzo(k)fluoranthene	23.93	252	163640m	8.458	ng/ul	
91) Benzo(a)pyrene	24.73	252	310396	17.264	ng/ul#	92
92) Indeno(1,2,3-cd)pyrene	28.54	276	196683	8.802	ng/ul	99
93) Dibenzo(a,h)anthracene	28.59	278	60848m	3.357	ng/ul	
94) Benzo(g,h,i)perylene	29.70	276	170435	9.126	ng/ul	95

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

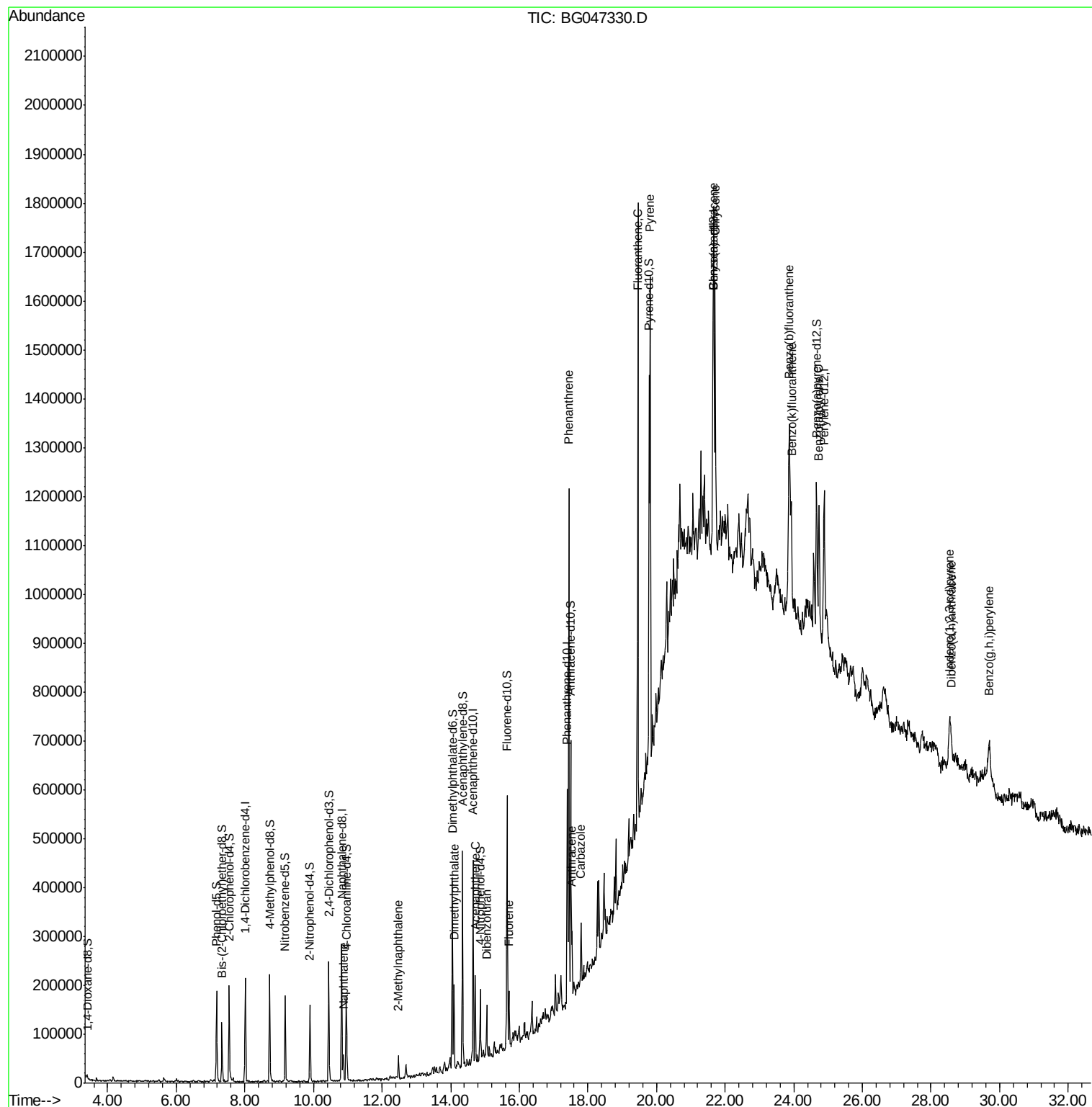
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111620\
Data File : BG047330.D
Acq On : 16 Nov 2020 14:55
Operator : CG/JU
Sample : L4762-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

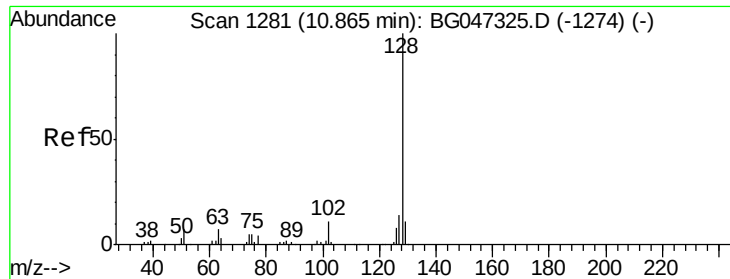
Instrument :
BNA_G
ClientSampleId :
C0AB9

Quant Time: Nov 16 15:34:10 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

Manual Integrations
APPROVED

mohammad
11/17/2020 4:09:51 PM





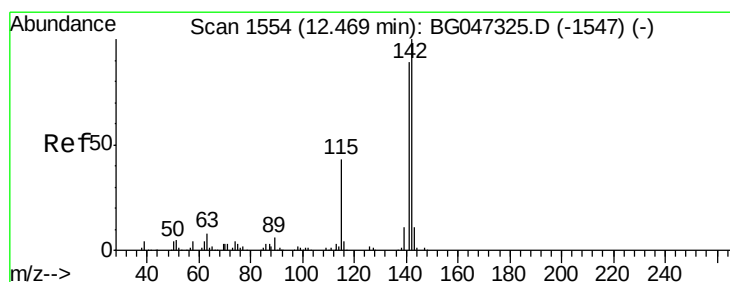
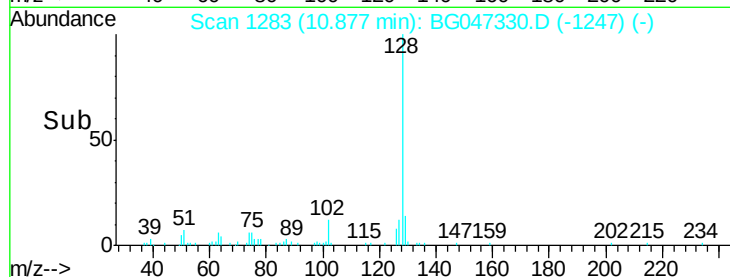
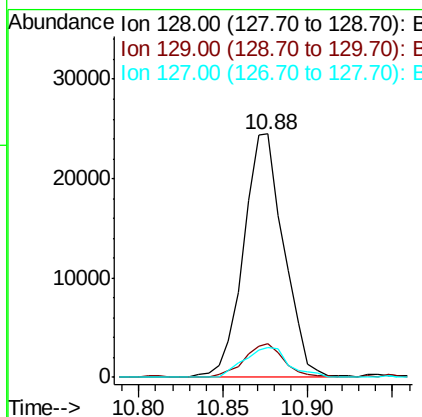
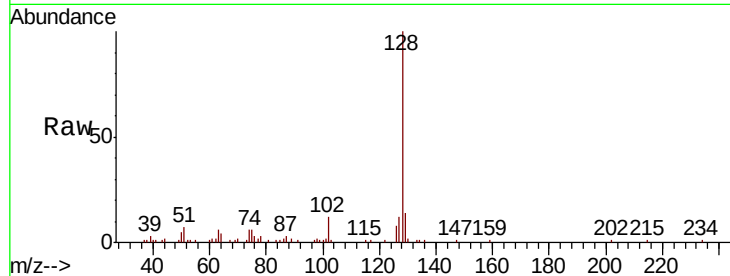
#28
Naphthalene
Concen: 3.200 ng/ul
RT: 10.88 min Scan# 1283
Delta R.T. 0.01 min
Lab File: BG047330.D
Acq: 16 Nov 2020 14:55

Instrument :
BNA_G
ClientSampleId :
C0AB9

Tot Ion	Ratio	Lower	Upper
128	100		
129	14.0	9.4	14.2
127	12.3	11.5	17.3

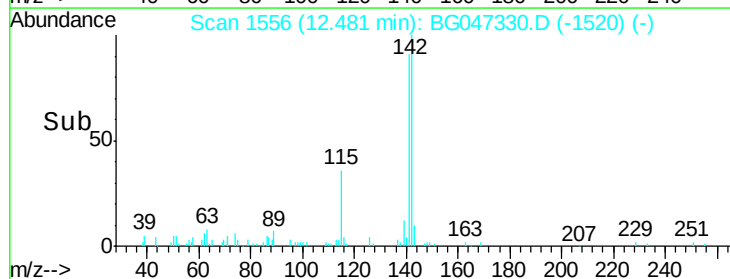
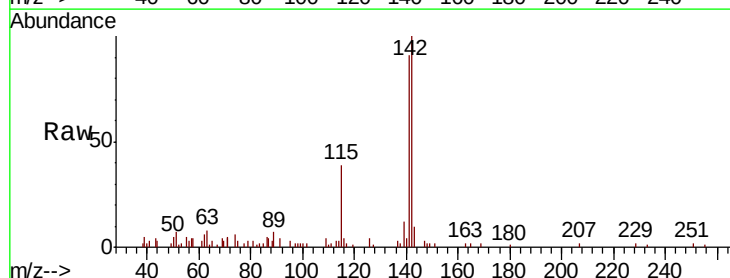
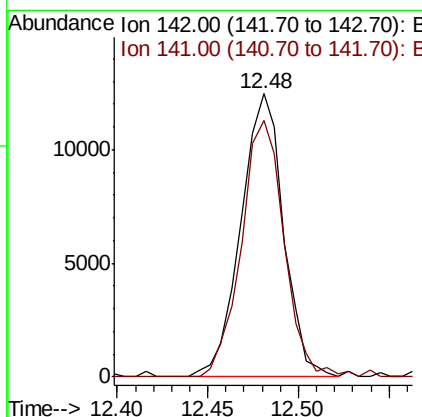
Manual Integrations
APPROVED

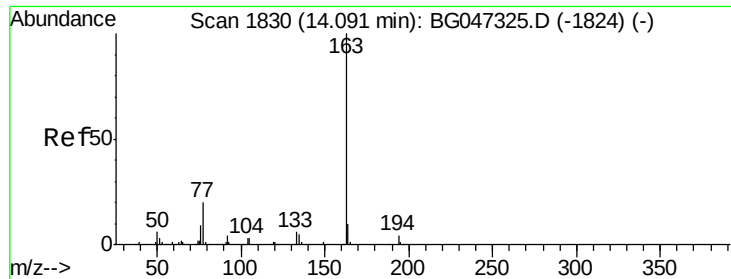
mohammad
11/17/2020 4:09:51 PM



#34
2-Methylnaphthalene
Concen: 2.238 ng/ul
RT: 12.48 min Scan# 1556
Delta R.T. 0.01 min
Lab File: BG047330.D
Acq: 16 Nov 2020 14:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.4	108.6





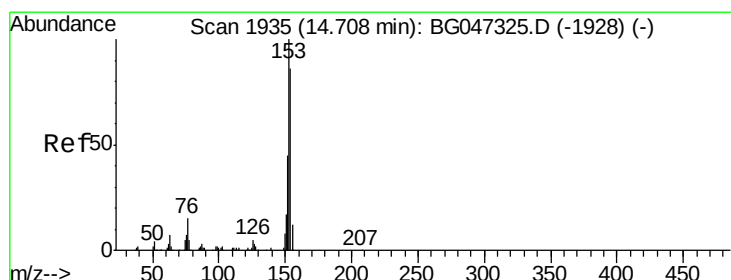
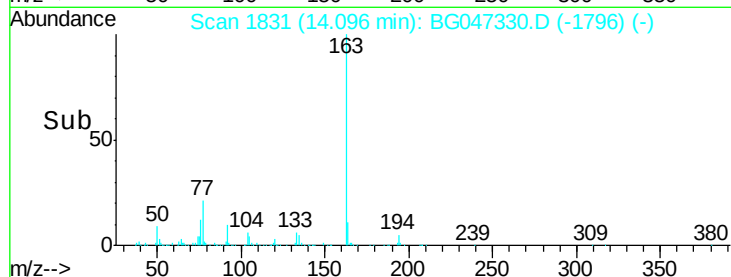
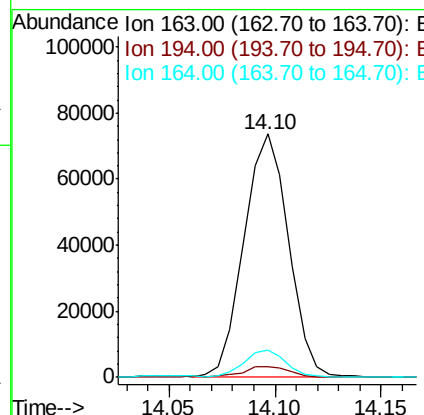
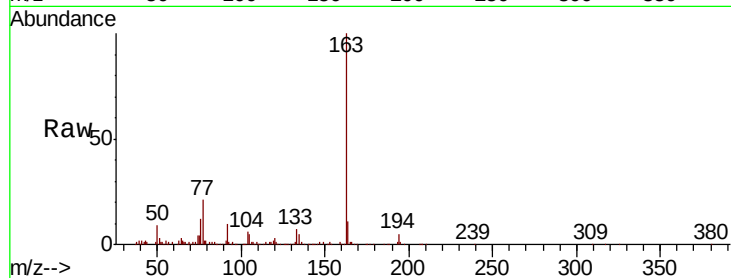
#45
Dimethylphthalate
Concen: 9.147 ng/ul
RT: 14.10 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BG047330.D
Acq: 16 Nov 2020 14:55

Instrument :
BNA_G
ClientSampleId :
C0AB9

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.5	3.4	5.0
164	11.1	7.2	10.8

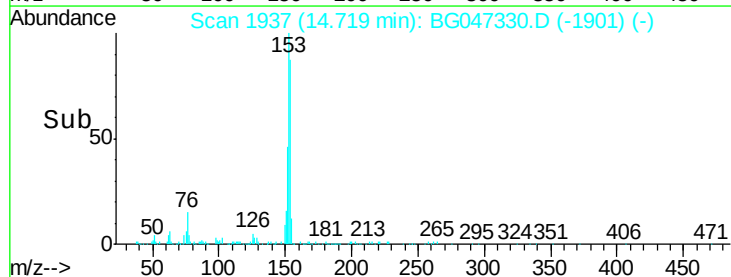
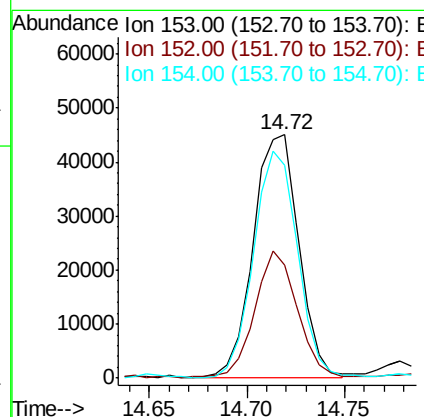
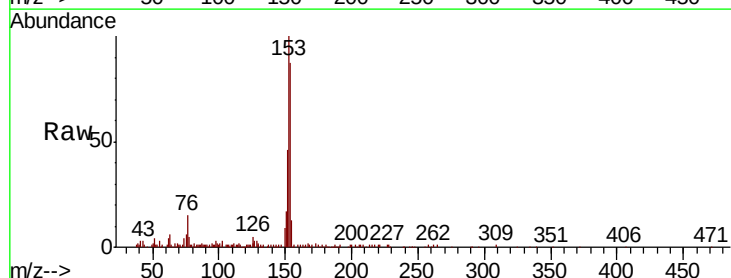
Manual Integrations
APPROVED

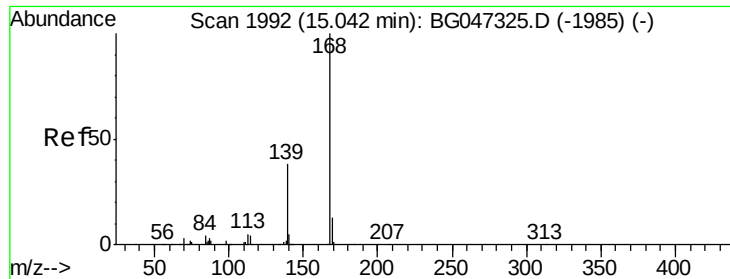
mohammad
11/17/2020 4:09:51 PM



#50
Acenaphthene
Concen: 7.755 ng/ul
RT: 14.72 min Scan# 1937
Delta R.T. 0.01 min
Lab File: BG047330.D
Acq: 16 Nov 2020 14:55

Tgt Ion	Ratio	Resp Lower	Upper
153	100		
152	46.3	37.0	55.4
154	87.5	74.0	111.0





#54

Dibenzo(furan)

Concen: 4.018 ng/ul

RT: 15.05 min Scan# 1993

Delta R.T. 0.01 min

Lab File: BG047330.D

Acq: 16 Nov 2020 14:55

Instrument :

BNA_G

ClientSampleId :

C0AB9

Tot Ion:168 Resp: 55027

Ion Ratio Lower Upper

168 100

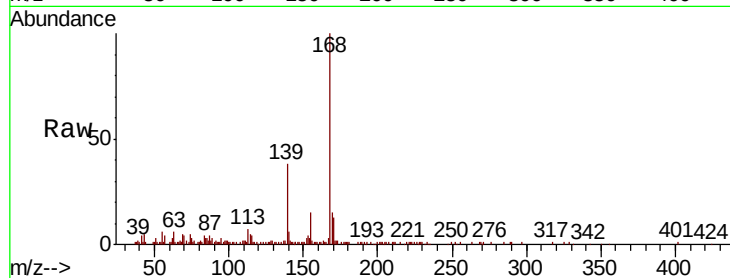
139 38.4 31.5 47.3

Manual Integrations

APPROVED

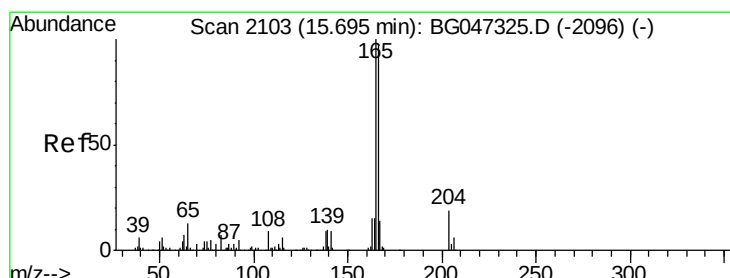
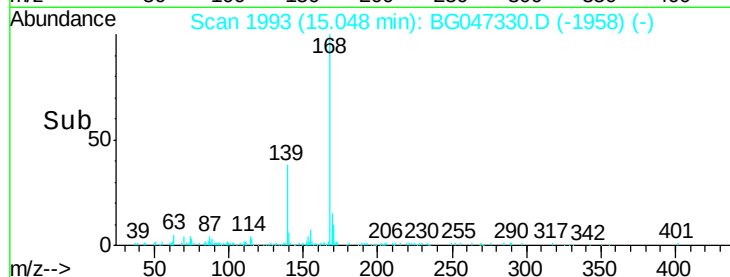
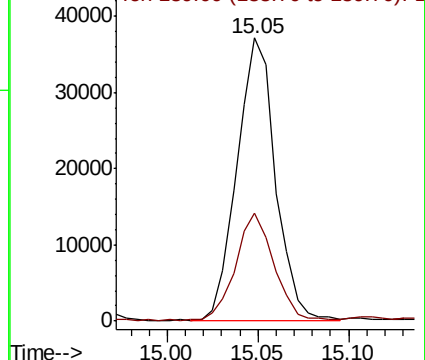
mohammad

11/17/2020 4:09:51 PM



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 4.523 ng/ul

RT: 15.70 min Scan# 2104

Delta R.T. 0.01 min

Lab File: BG047330.D

Acq: 16 Nov 2020 14:55

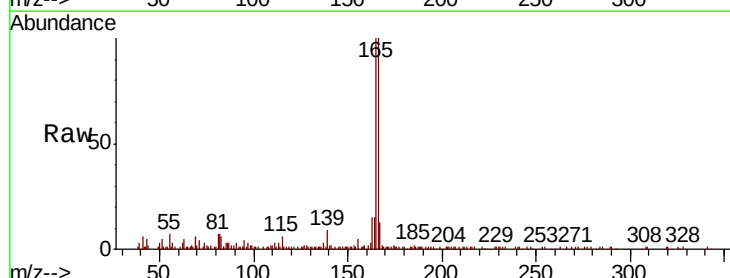
Tgt Ion:166 Resp: 50838

Ion Ratio Lower Upper

166 100

165 100.0 76.2 114.4

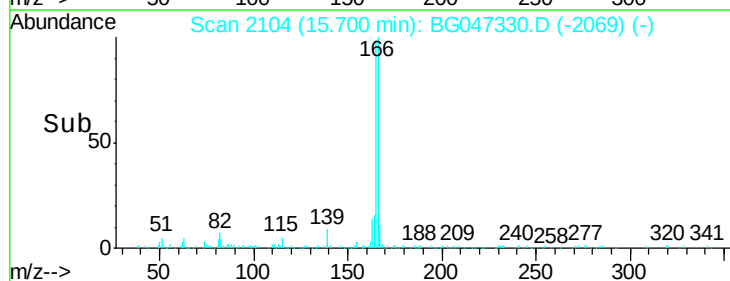
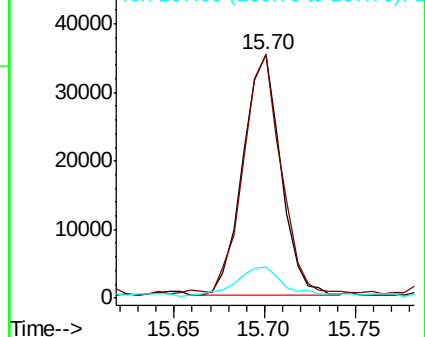
167 12.8 10.4 15.6

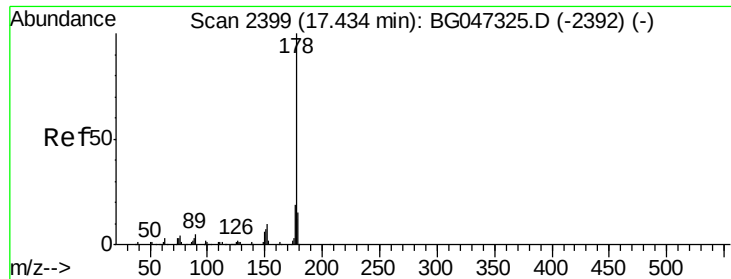


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





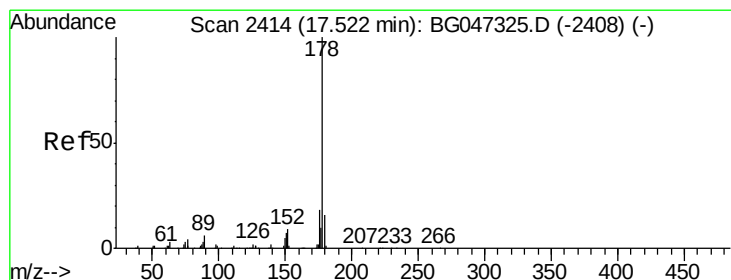
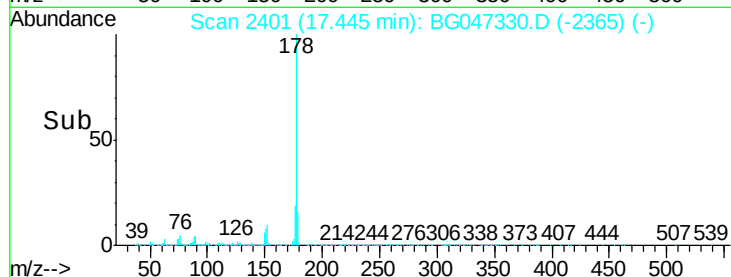
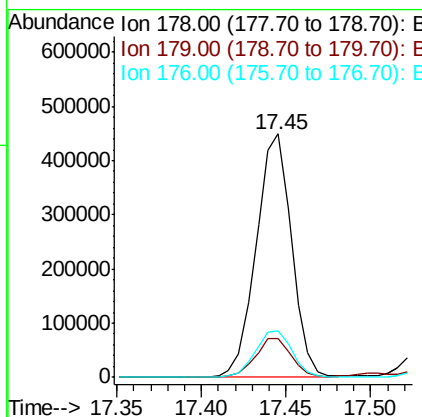
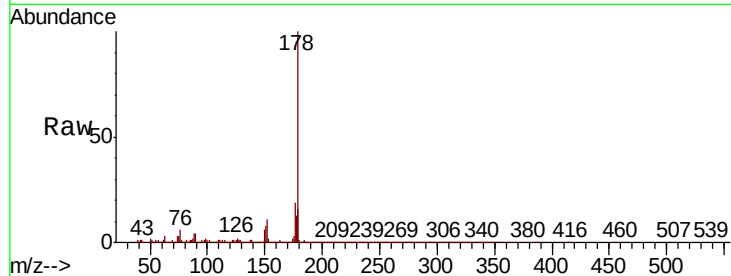
#70
Phenanthrene
Concen: 42.744 ng/ul
RT: 17.45 min Scan# 2401
Delta R.T. 0.01 min
Lab File: BG047330.D
Acq: 16 Nov 2020 14:55

Instrument :
BNA_G
ClientSampleId :
C0AB9

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.2	18.4
176	19.2	16.5	24.7

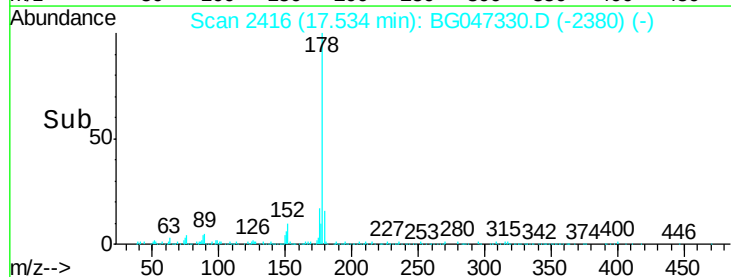
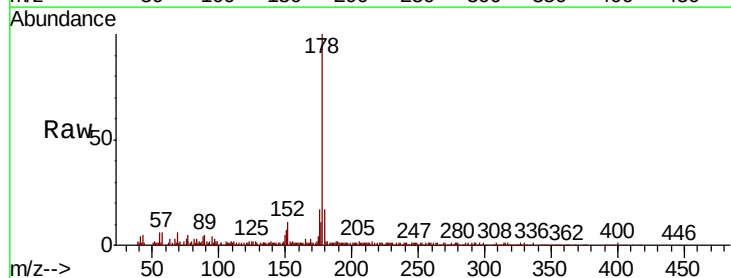
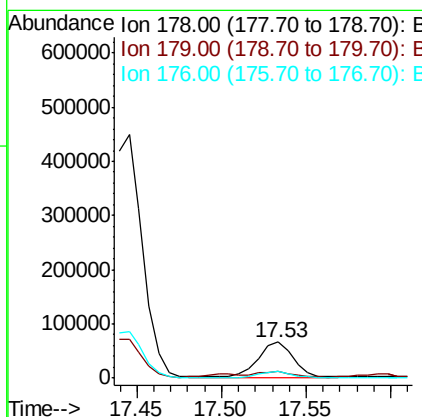
Manual Integrations
APPROVED

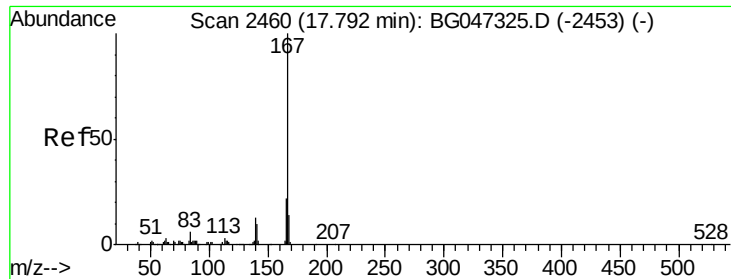
mohammad
11/17/2020 4:09:51 PM



#72
Anthracene
Concen: 6.479 ng/ul
RT: 17.53 min Scan# 2416
Delta R.T. 0.01 min
Lab File: BG047330.D
Acq: 16 Nov 2020 14:55

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.1	12.4	18.6
176	17.2	14.4	21.6





#75

Carbazole

Concen: 6.062 ng/ul

RT: 17.80 min Scan# 2462

Delta R.T. 0.01 min

Lab File: BG047330.D

Acq: 16 Nov 2020 14:55

Instrument :

BNA_G

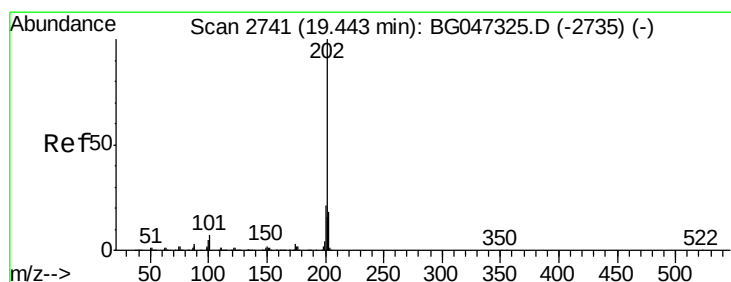
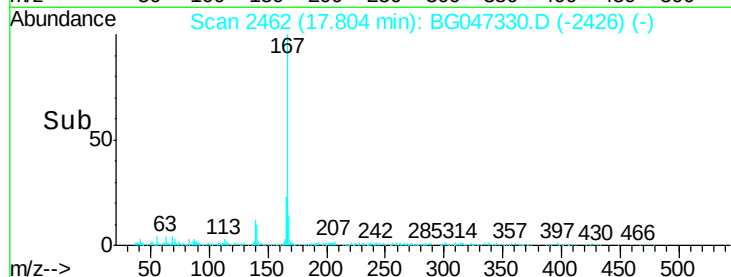
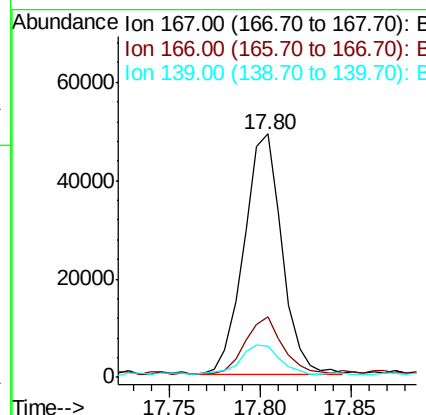
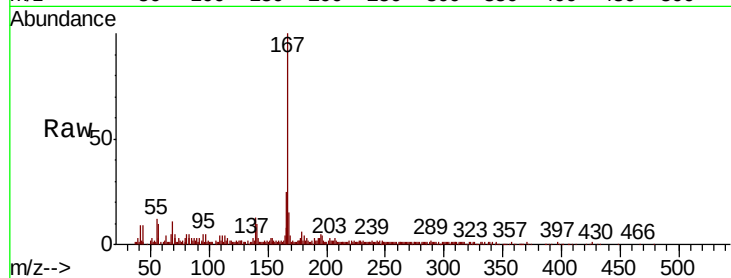
ClientSampleId :

C0AB9

Tot Ion:	167	Resp:	71153
Ion Ratio	Lower	Upper	
167	100		
166	24.9	17.4	26.0
139	12.6	10.5	15.7

Manual Integrations
APPROVED

mohammad
11/17/2020 4:09:51 PM



#77

Fluoranthene

Concen: 43.694 ng/ul

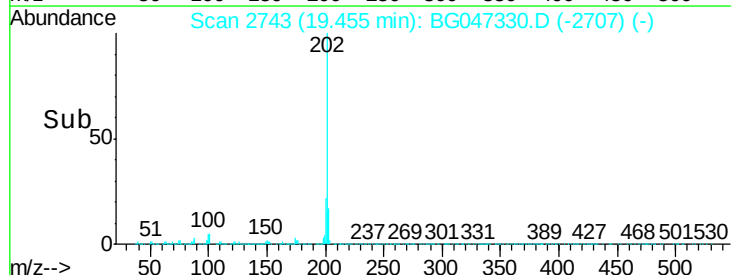
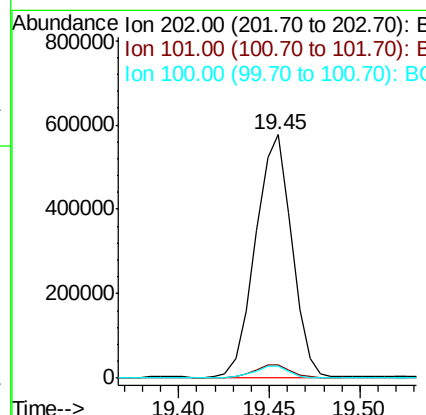
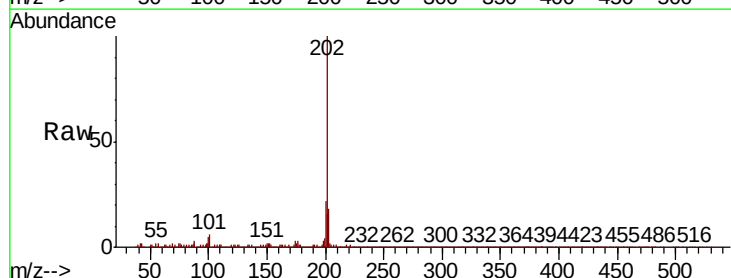
RT: 19.45 min Scan# 2743

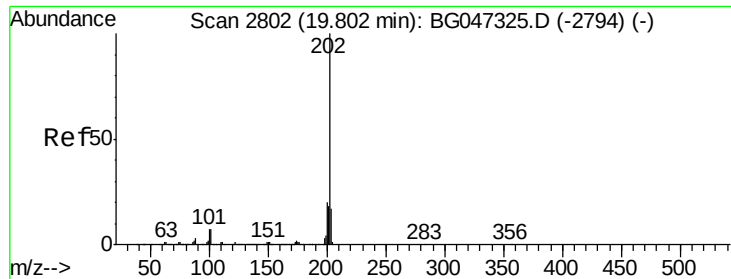
Delta R.T. 0.01 min

Lab File: BG047330.D

Acq: 16 Nov 2020 14:55

Tgt Ion:	202	Resp:	799662
Ion Ratio	Lower	Upper	
202	100		
101	5.6	5.0	7.6
100	4.7	4.2	6.2





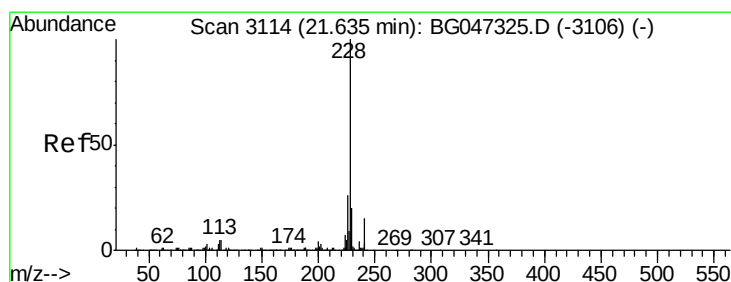
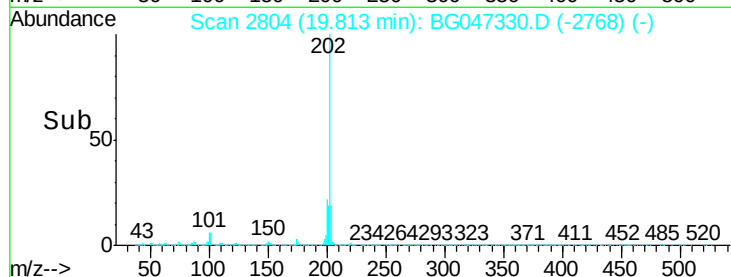
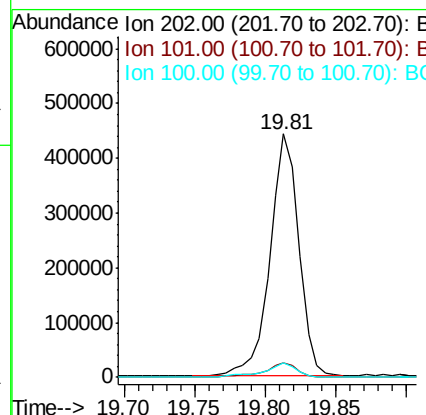
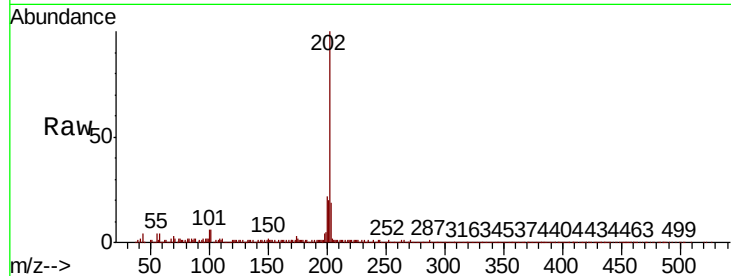
#80
Pvrene
Concen: 32.522 ng/ul
RT: 19.81 min Scan# 2804
Delta R.T. 0.01 min
Lab File: BG047330.D
Acq: 16 Nov 2020 14:55

Instrument :
BNA_G
ClientSampleId :
C0AB9

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	6.2	6.5	9.7#
100	5.9	5.7	8.5

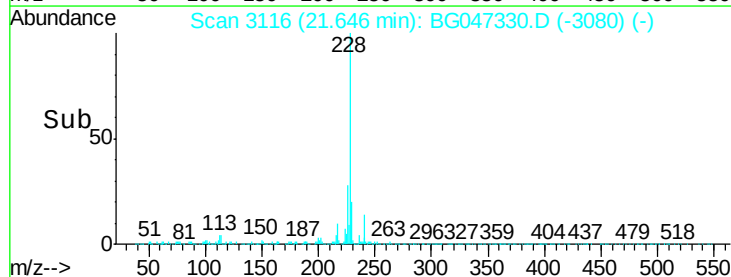
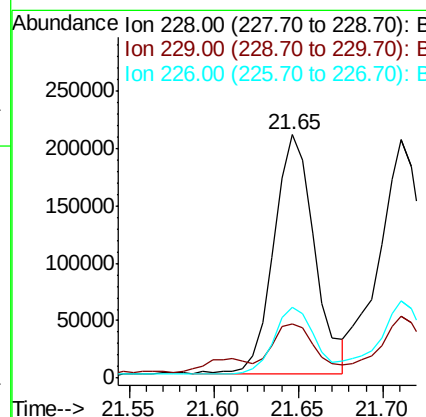
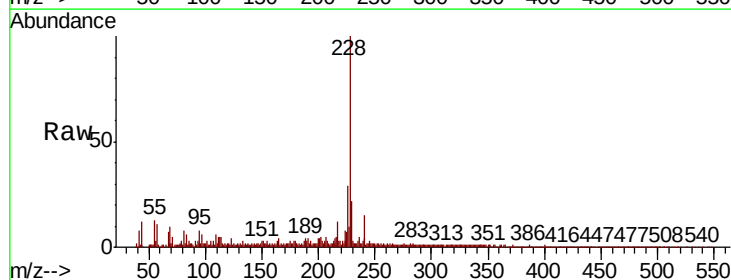
Manual Integrations
APPROVED

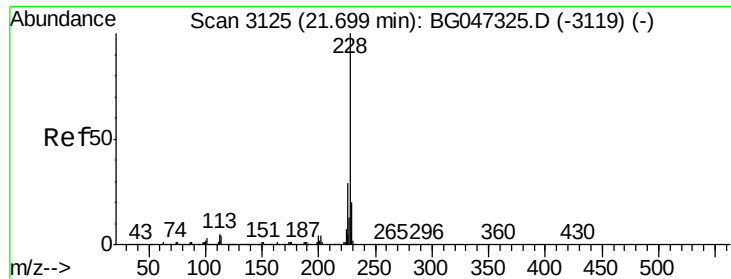
mohammad
11/17/2020 4:09:51 PM



#83
Benzo(a)anthracene
Concen: 18.035 ng/ul
RT: 21.65 min Scan# 3116
Delta R.T. 0.01 min
Lab File: BG047330.D
Acq: 16 Nov 2020 14:55

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	22.4	15.1	22.7
226	29.3	22.7	34.1





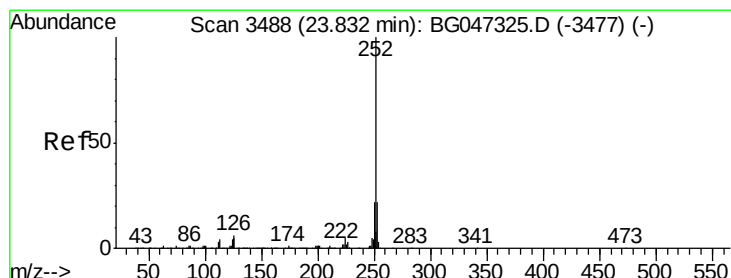
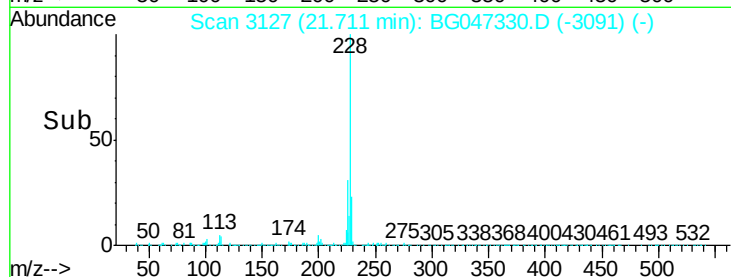
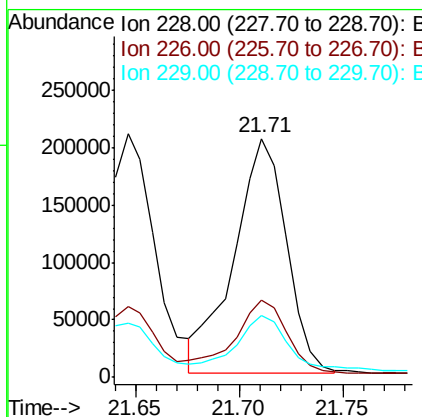
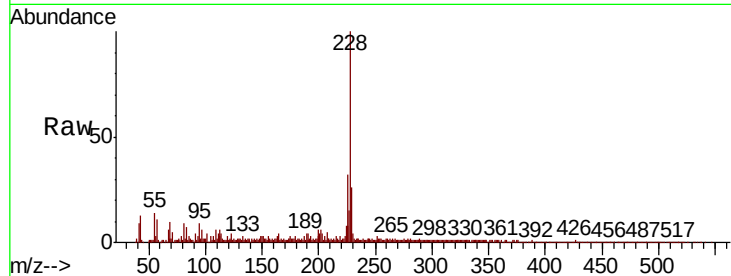
#85
Chrysene
Concen: 19.603 ng/ul m
RT: 21.71 min Scan# 3127
Delta R.T. 0.01 min
Lab File: BG047330.D
Acq: 16 Nov 2020 14:55

Instrument :
BNA_G
ClientSampled :
C0AB9

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.6	36.8
229	25.7	15.8	23.8

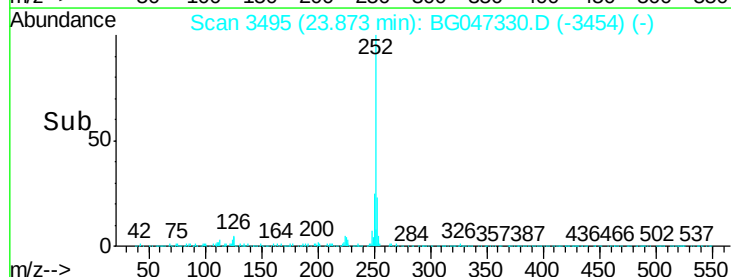
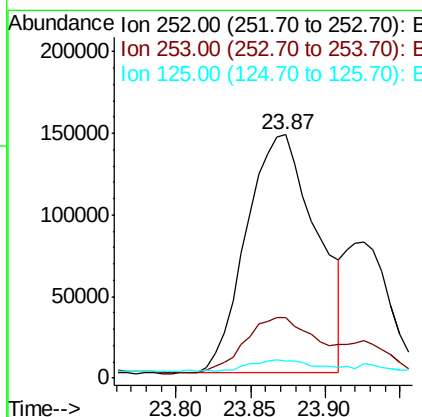
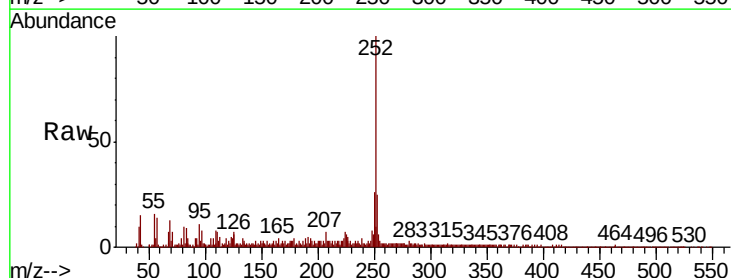
Manual Integrations
APPROVED

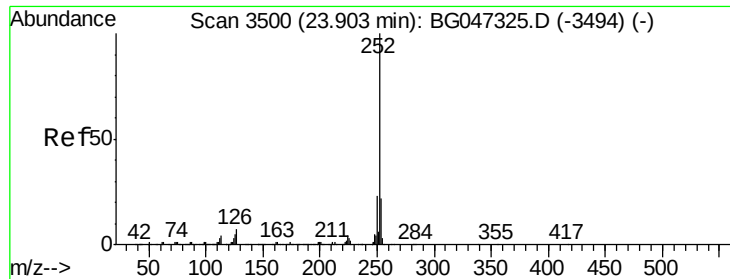
mohammad
11/17/2020 4:09:51 PM



#88
Benzo(b)fluoranthene
Concen: 23.833 ng/ul
RT: 23.87 min Scan# 3495
Delta R.T. 0.04 min
Lab File: BG047330.D
Acq: 16 Nov 2020 14:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.0	27.0
125	7.1	3.7	5.5





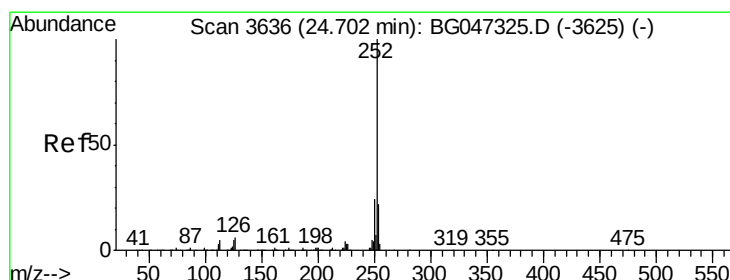
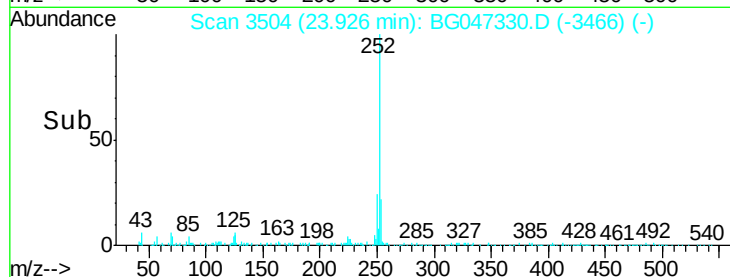
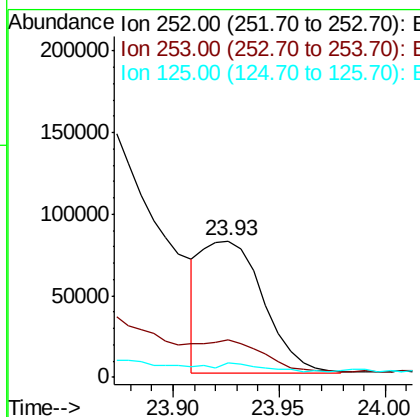
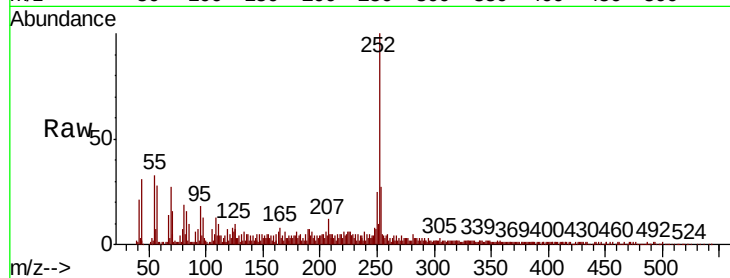
#89
Benzo(k)fluoranthene
Concen: 8.458 ng/ul m
RT: 23.93 min Scan# 3504
Delta R.T. 0.02 min
Lab File: BG047330.D
Acq: 16 Nov 2020 14:55

Instrument :
BNA_G
ClientSampleId :
C0AB9

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.2	27.4
125	10.2	4.6	7.0#

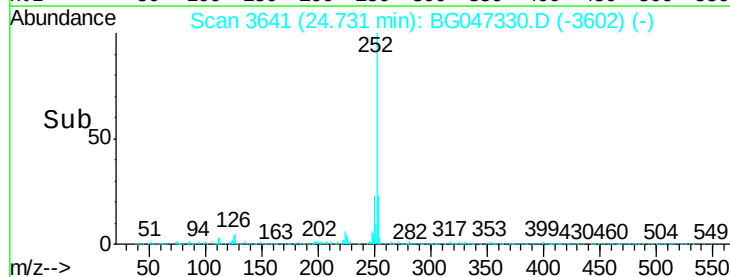
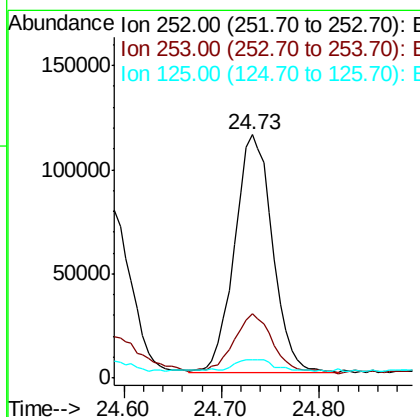
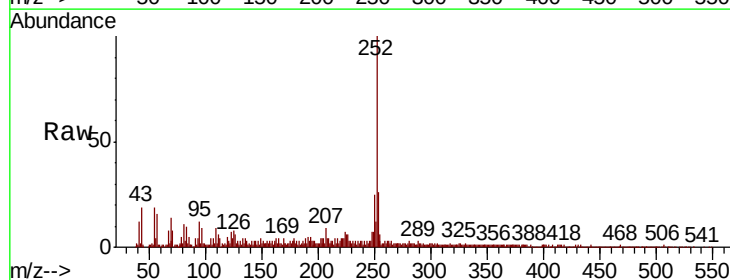
Manual Integrations
APPROVED

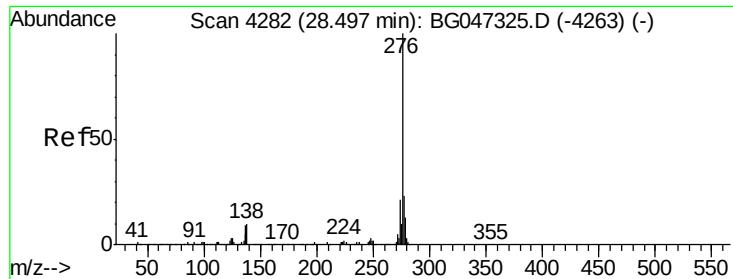
mohammad
11/17/2020 4:09:51 PM



#91
Benzo(a)pyrene
Concen: 17.264 ng/ul
RT: 24.73 min Scan# 3641
Delta R.T. 0.03 min
Lab File: BG047330.D
Acq: 16 Nov 2020 14:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.8	26.6
125	7.6	4.2	6.4#





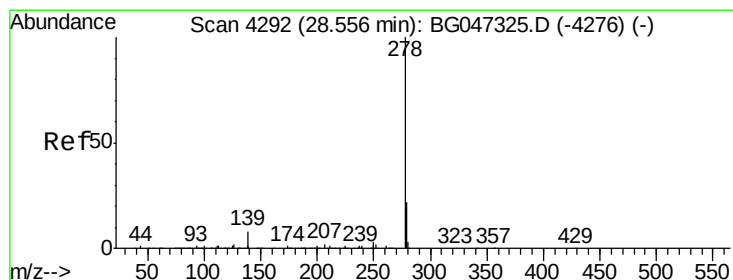
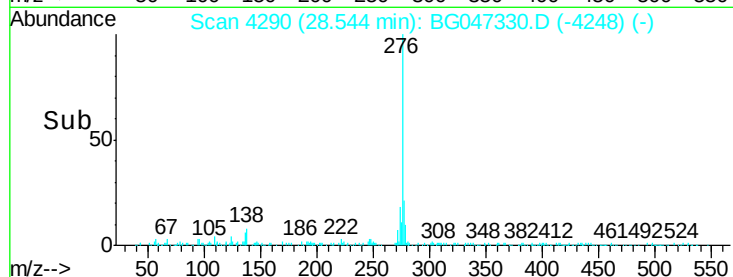
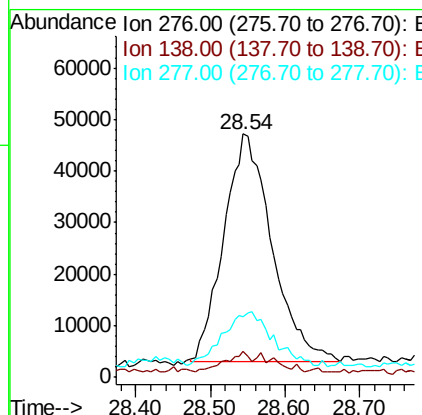
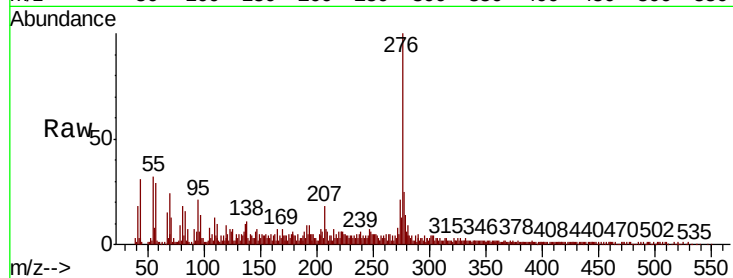
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 8.802 ng/ul
 RT: 28.54 min Scan# 4290
 Delta R.T. 0.05 min
 Lab File: BG047330.D
 Acq: 16 Nov 2020 14:55

Instrument :
 BNA_G
 ClientSampleId :
 C0AB9

Tot Ion	Ratio	Lower	Upper
276	100		
138	10.6	8.1	12.1
277	25.0	20.2	30.4

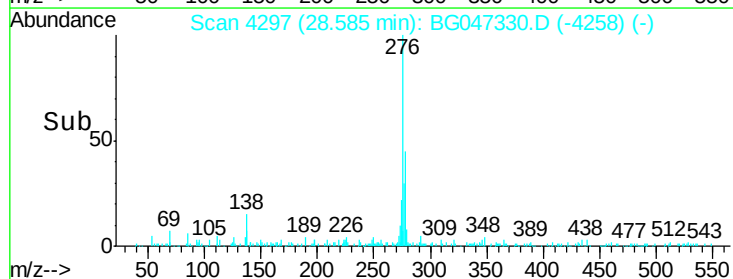
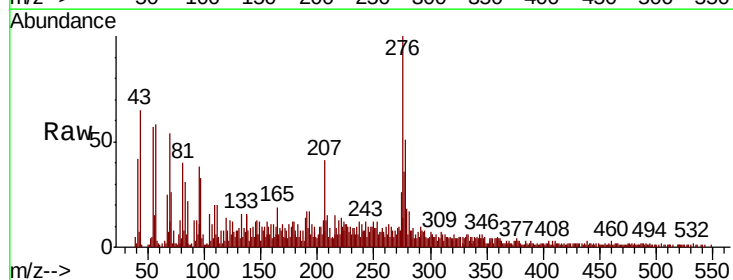
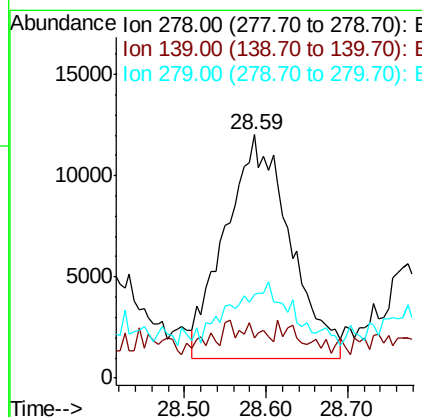
Manual Integrations
 APPROVED

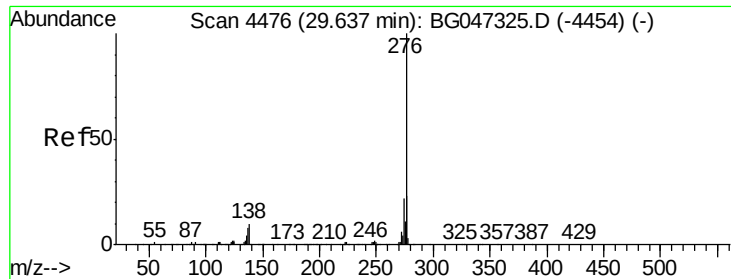
mohammad
 11/17/2020 4:09:51 PM



#93
 Dibenzo(a,h)anthracene
 Concen: 3.357 ng/ul m
 RT: 28.59 min Scan# 4297
 Delta R.T. 0.03 min
 Lab File: BG047330.D
 Acq: 16 Nov 2020 14:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.3	7.1	10.7#
279	34.4	19.9	29.9#





#94

Benzo(a,h,i)perylene

Concen: 9.126 ng/ul

RT: 29.70 min Scan# 4486

Delta R.T. 0.06 min

Lab File: BG047330.D

Acq: 16 Nov 2020 14:55

Instrument :

BNA_G

ClientSampleId :

C0AB9

Tot Ion:	276	Resp:	170435
Ion Ratio	Lower	Upper	
276	100		
138	10.2	9.0	13.6
277	26.8	19.2	28.8

Manual Integrations
APPROVED

mohammad
11/17/2020 4:09:51 PM

