

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081420\
 Data File : BG046285.D
 Acq On : 14 Aug 2020 21:22
 Operator : CG/JU
 Sample : L3662-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 24051

Manual Integrations
 APPROVED

mohammad
 8/18/2020 1:41:36 PM

Quant Time: Aug 17 01:50:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 30 18:43:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	113825	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	443670	20.00	ng	0.00
39) Acenaphthene-d10	14.58	164	257636	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	515878	20.00	ng	0.00
76) Chrysene-d12	21.56	240	560667	20.00	ng	-0.01
86) Perylene-d12	24.67	264	622245	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	461562	70.49	ng	0.00
7) Phenol-d6	7.12	99	595956	66.78	ng	0.00
23) Nitrobenzene-d5	9.10	82	399583	48.76	ng	0.00
42) 2,4,6-Tribromophenol	16.06	330	240613	60.80	ng	0.00
45) 2-Fluorobiphenyl	13.20	172	875425	49.36	ng	0.00
79) Terphenyl-d14	19.93	244	1127934	40.97	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	7.09	77	20240	3.822	ng	95
20) 3+4-Methylphenols	8.71	107	28897	3.488	ng	92
22) Acetophenone	8.77	105	29702	2.609	ng	# 94
50) Dimethylphthalate	14.03	163	142752	7.219	ng	97
71) Phenanthrene	17.36	178	236443	8.367	ng	98
75) Fluoranthene	19.37	202	604237	17.127	ng	97
78) Pyrene	19.73	202	542579	14.403	ng	96
81) Benzo(a)anthracene	21.55	228	301825	8.044	ng	97
83) Chrysene	21.61	228	304297	8.279	ng	96
87) Indeno(1,2,3-cd)pyrene	28.18	276	216898	4.571	ng	97
88) Benzo(b)fluoranthene	23.70	252	425331	10.200	ng	98
89) Benzo(k)fluoranthene	23.75	252	161314m	3.944	ng	
90) Benzo(a)pyrene	24.52	252	304861	7.857	ng	99
92) Benzo(a,h,i)perylene	29.27	276	204073	5.094	ng	98

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

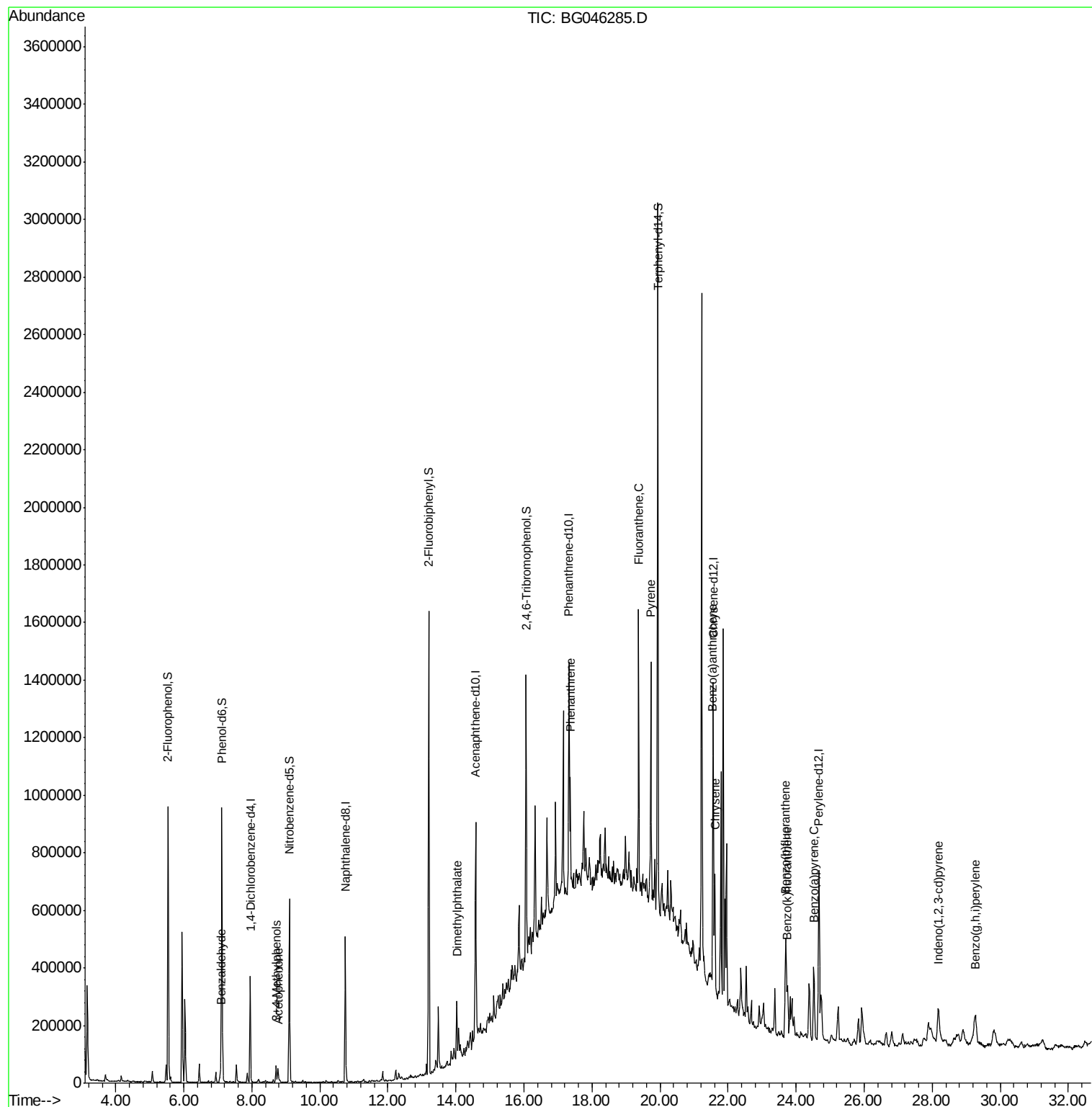
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081420\
Data File : BG046285.D
Acq On : 14 Aug 2020 21:22
Operator : CG/JU
Sample : L3662-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

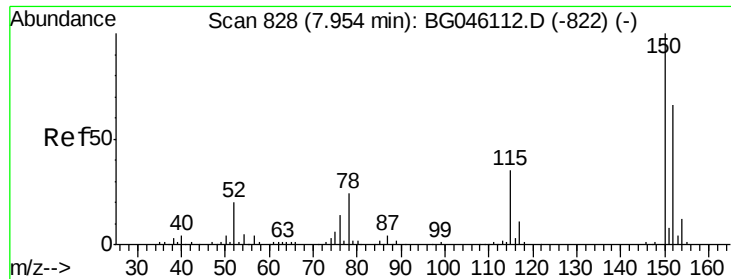
Instrument :
BNA_G
ClientSampleId :
24051

Manual Integrations
APPROVED

mohammad
8/18/2020 1:41:36 PM

Quant Time: Aug 17 01:50:33 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG073020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 30 18:43:49 2020
Response via : Initial Calibration





#1

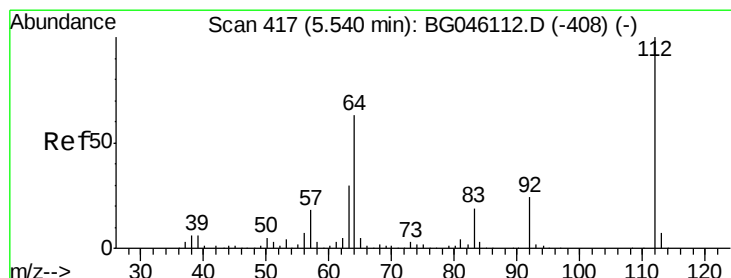
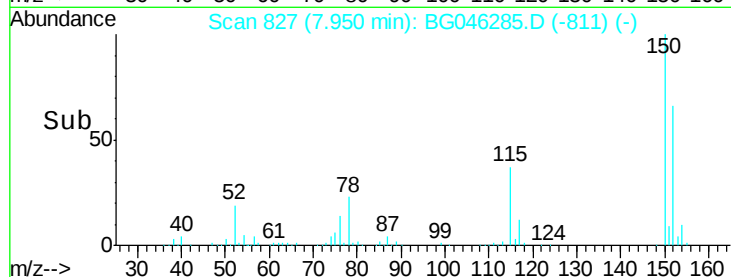
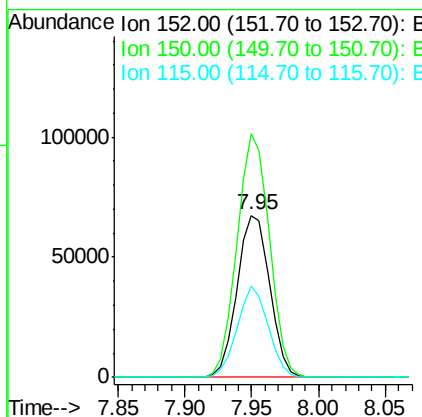
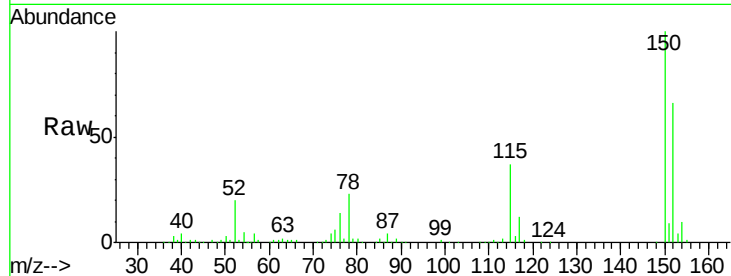
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Instrument :
BNA_G
ClientSampled :
24051

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.4	122.1	183.1
115	56.0	43.2	64.8

Manual Integrations
APPROVED

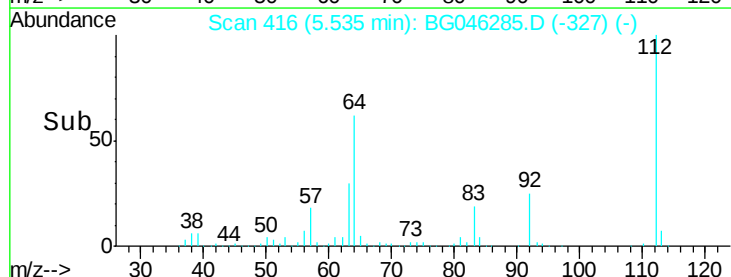
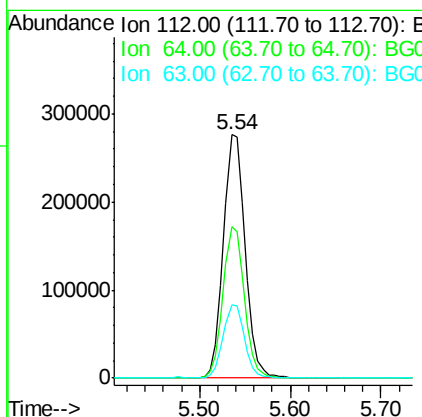
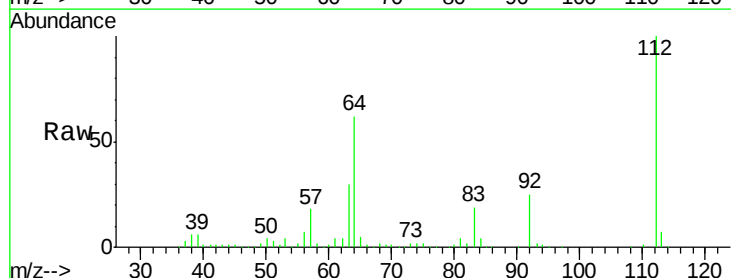
mohammad
8/18/2020 1:41:36 PM

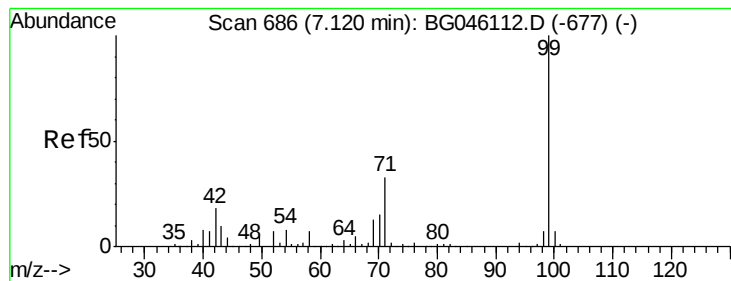


#5

2-Fluorophenol
Concen: 70.491 ng
RT: 5.54 min Scan# 416
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	50.2	75.2
63	30.1	24.2	36.4





#7

Phenol-d6

Concen: 66.783 ng

RT: 7.12 min Scan# 686

Delta R.T. 0.00 min

Lab File: BG046285.D

Acq: 14 Aug 2020 21:22

Instrument :

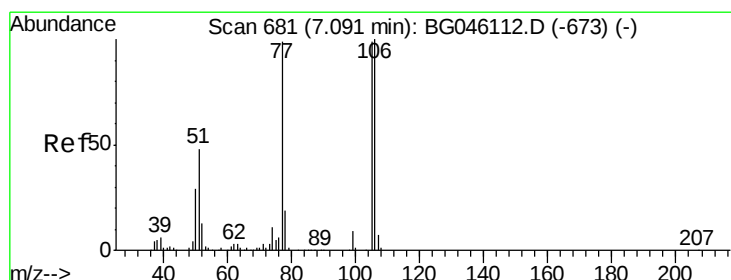
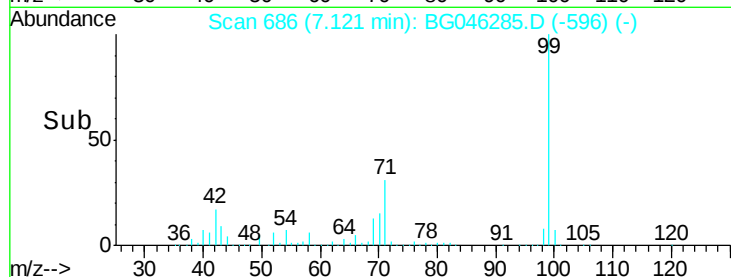
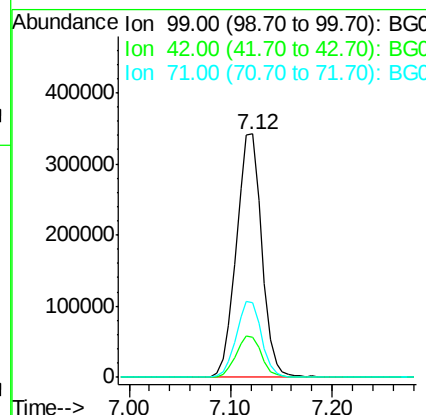
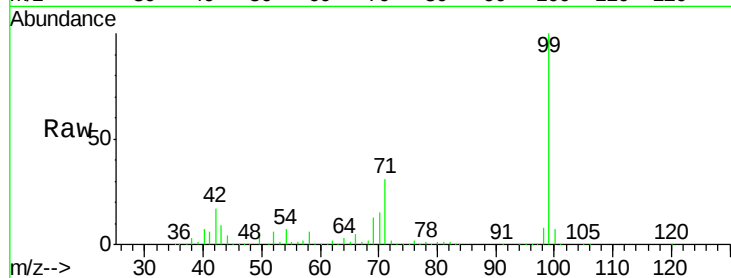
BNA_G

ClientSampled :
24051

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		595956		
42	16.7	14.7	22.1		
71	30.6	26.5	39.7		

Manual Integrations
APPROVED

mohammad
8/18/2020 1:41:36 PM



#9

Benzaldehyde

Concen: 3.822 ng

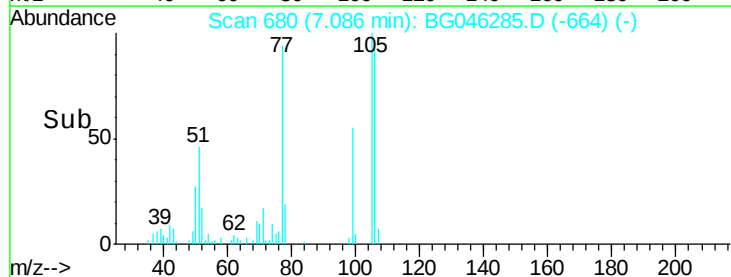
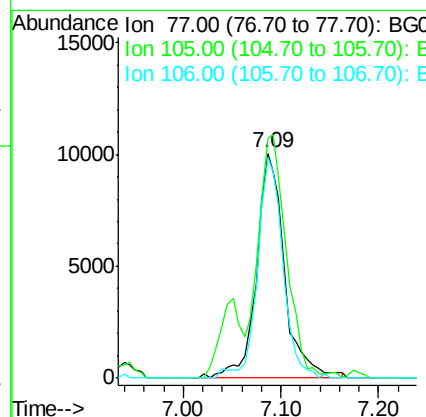
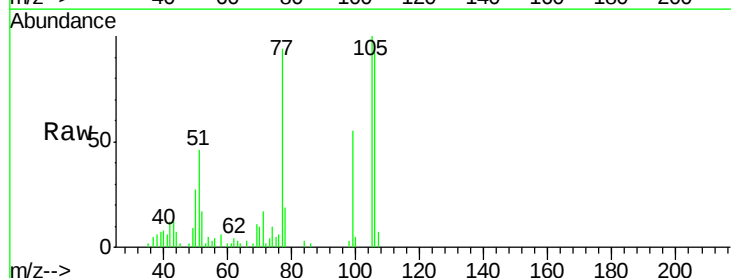
RT: 7.09 min Scan# 680

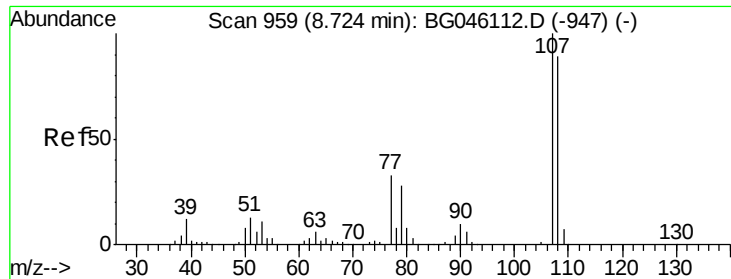
Delta R.T. -0.00 min

Lab File: BG046285.D

Acq: 14 Aug 2020 21:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
77	100		20240		
105	106.6	80.3	120.3		
106	98.2	81.5	121.5		





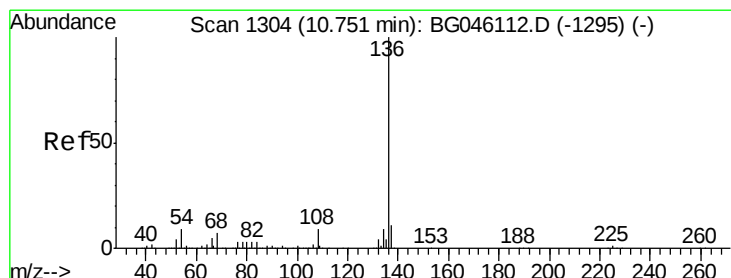
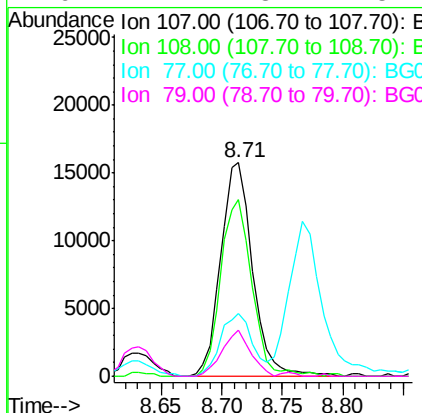
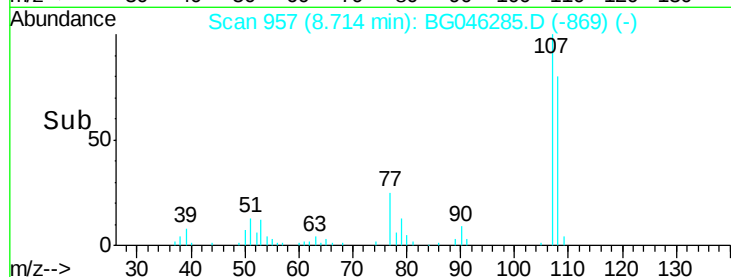
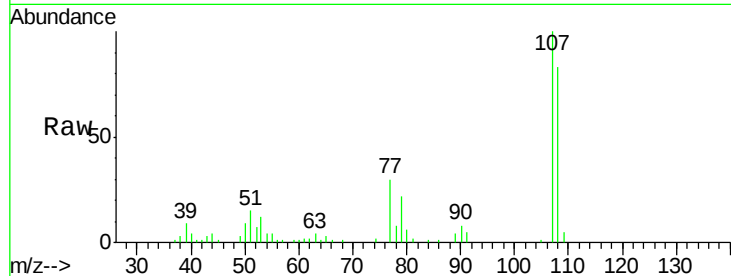
#20
3+4-Methylphenols
Concen: 3.488 ng
RT: 8.71 min Scan# 957
Delta R.T. -0.01 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Instrument :
BNA_G
ClientSampleId :
24051

Tot Ion	Ratio	Resp	Lower	Upper
107	100	28897		
108	82.5	69.1	109.1	
77	29.7	12.5	52.5	
79	21.7	8.4	48.4	

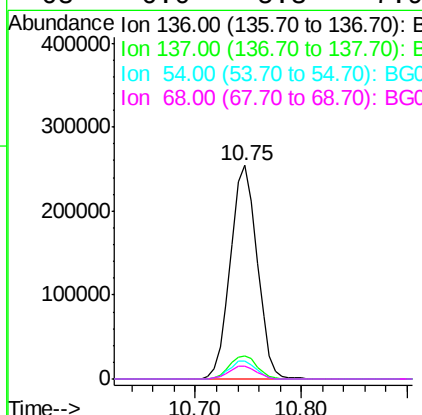
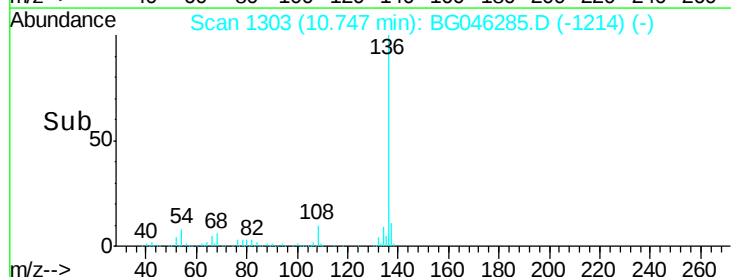
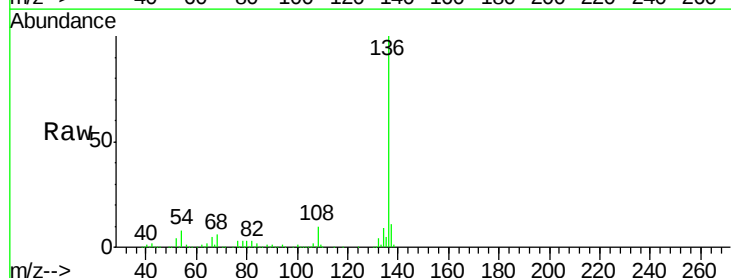
Manual Integrations
APPROVED

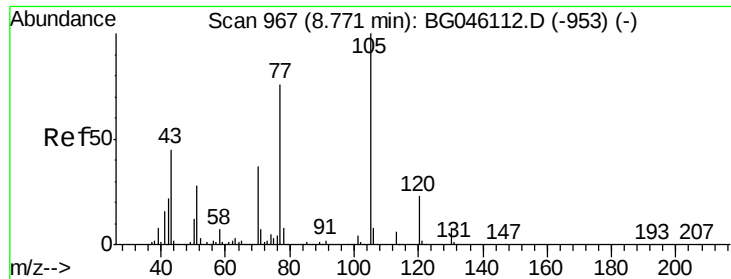
mohammad
8/18/2020 1:41:36 PM



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	443670		
137	10.9	8.8	13.2	
54	8.4	7.0	10.4	
68	6.0	5.3	7.9	





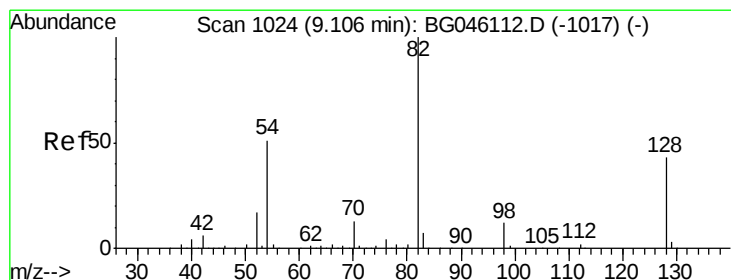
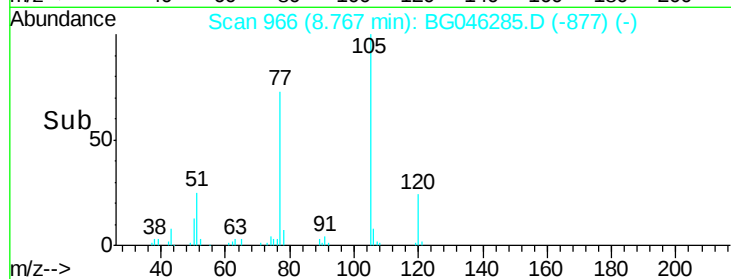
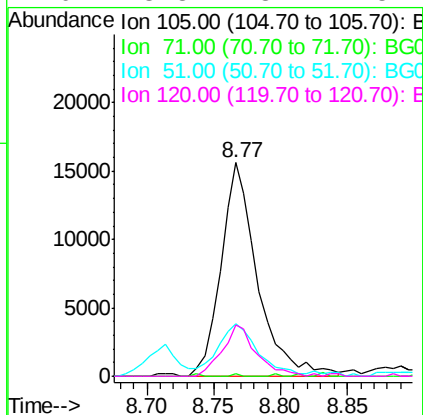
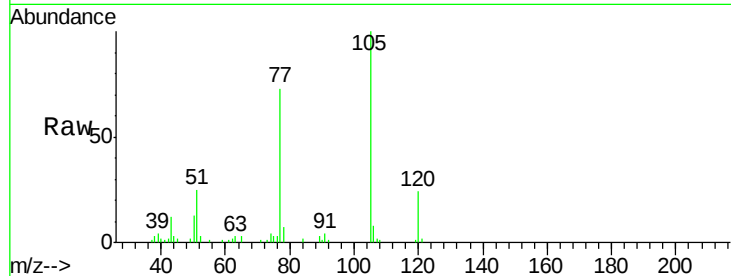
#22
Acetophenone
Concen: 2.609 ng
RT: 8.77 min Scan# 966
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Instrument :
BNA_G
ClientSampleId :
24051

Tot Ion	Ratio	Lower	Upper
105	100		
71	1.0	5.3	7.9#
51	24.6	22.7	34.1
120	23.8	18.7	28.1

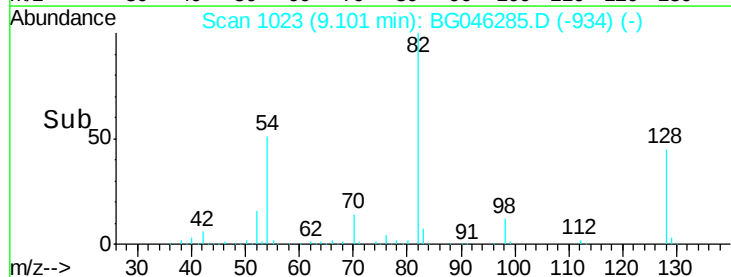
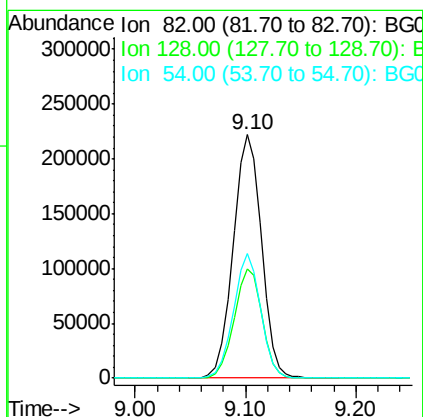
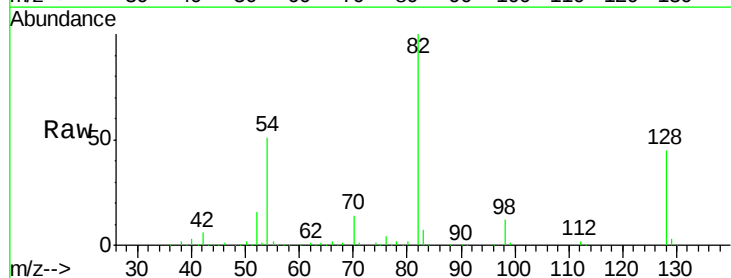
Manual Integrations
APPROVED

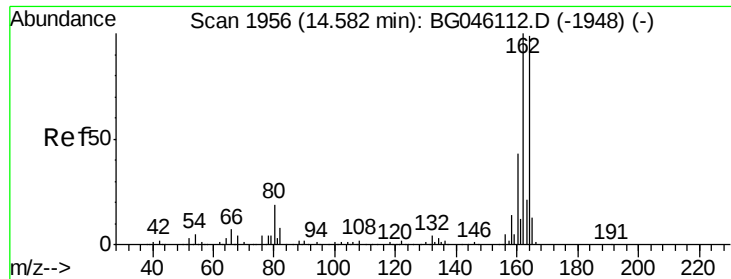
mohammad
8/18/2020 1:41:36 PM



#23
Nitrobenzene-d5
Concen: 48.763 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.4	51.6
54	51.2	40.8	61.2





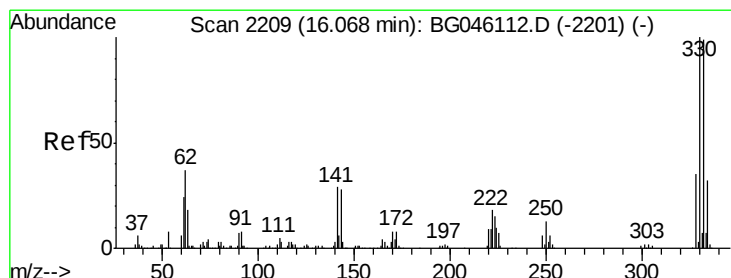
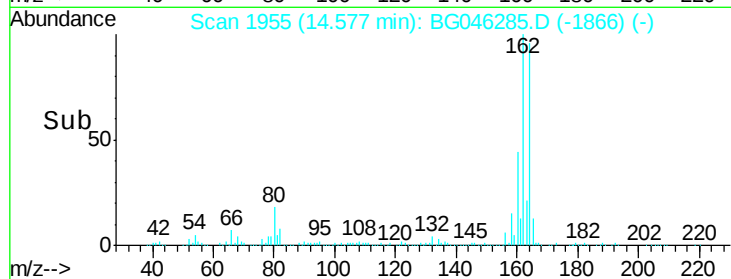
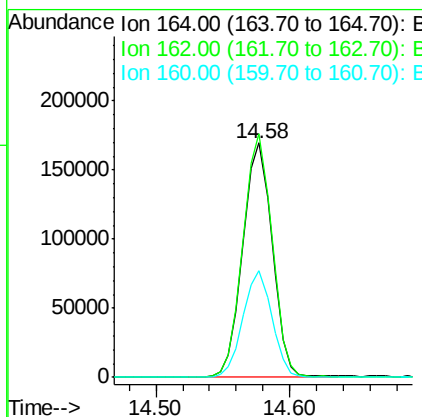
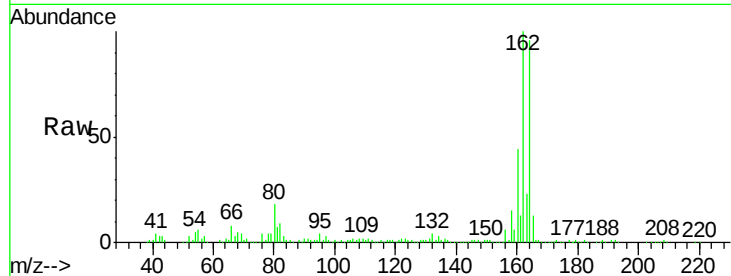
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.58 min Scan# 1955
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Instrument :
BNA_G
ClientSampleId :
24051

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.9	80.6	121.0	
160	45.4	34.9	52.3	

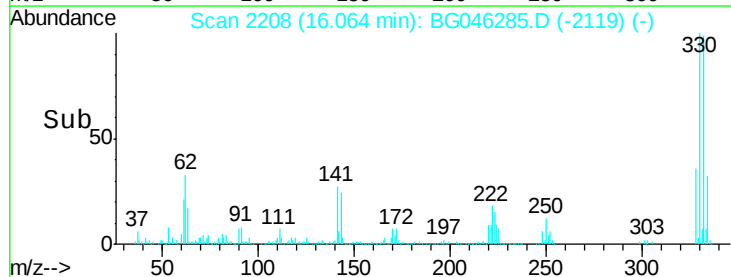
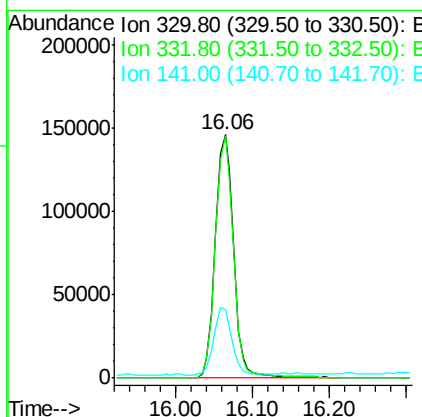
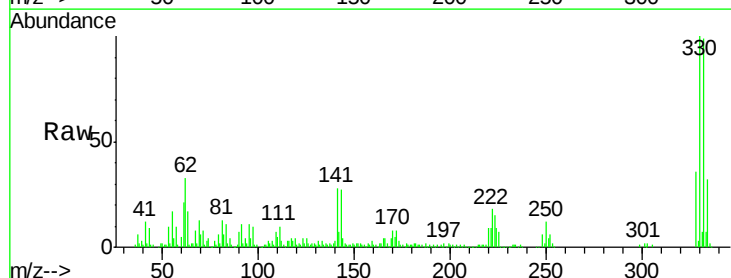
Manual Integrations
APPROVED

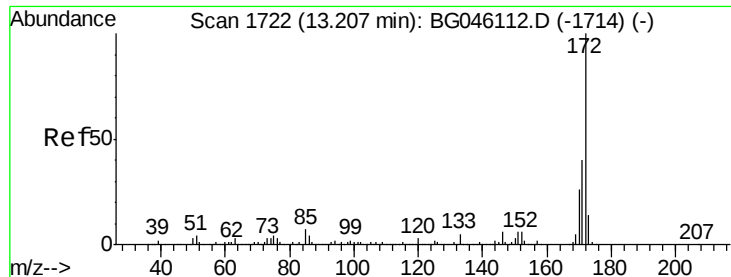
mohammad
8/18/2020 1:41:36 PM



#42
2,4,6-Tribromophenol
Concen: 60.803 ng
RT: 16.06 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.9	77.4	116.2	
141	26.8	23.4	35.0	





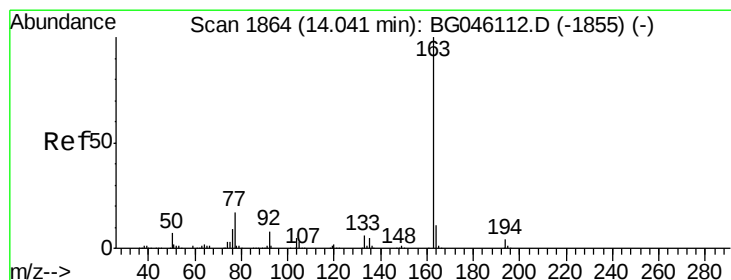
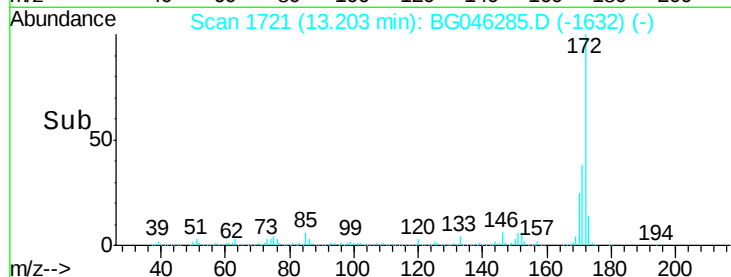
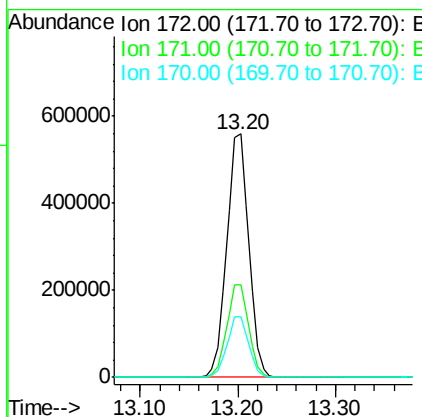
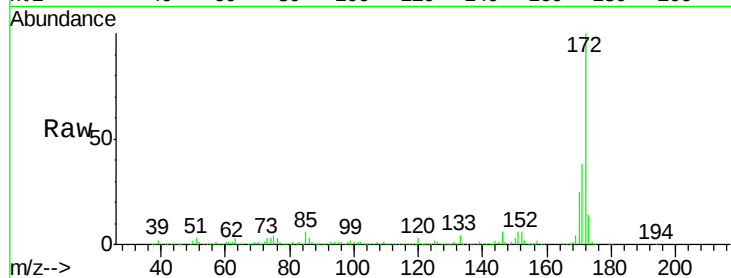
#45
2-Fluorobiphenyl
Concen: 49.359 ng
RT: 13.20 min Scan# 1721
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Instrument :
BNA_G
ClientSampleId :
24051

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.7	47.5
170	24.9	20.9	31.3

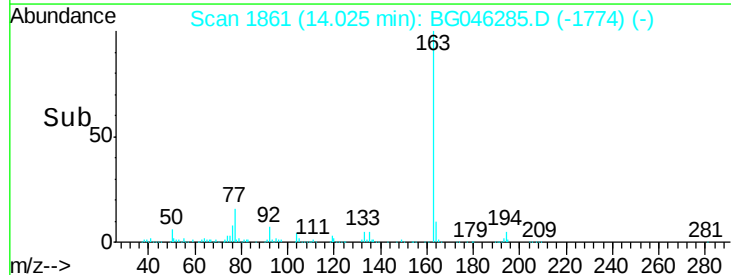
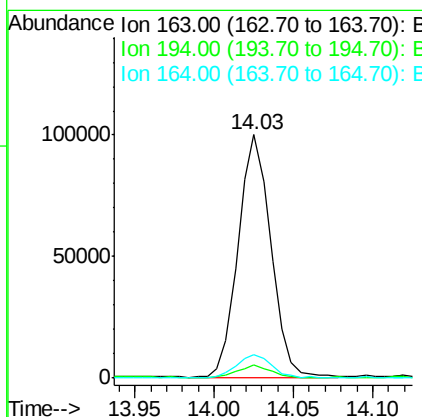
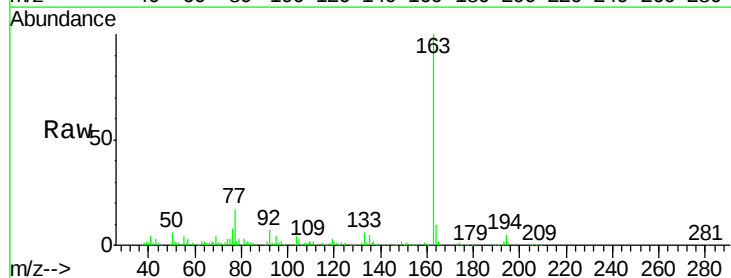
Manual Integrations
APPROVED

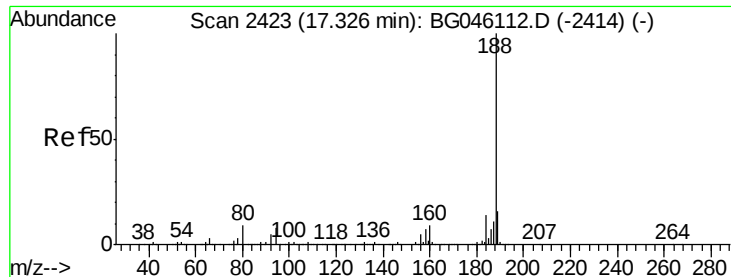
mohammad
8/18/2020 1:41:36 PM



#50
Dimethylphthalate
Concen: 7.219 ng
RT: 14.03 min Scan# 1861
Delta R.T. -0.02 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.5	5.3
164	9.8	8.8	13.2





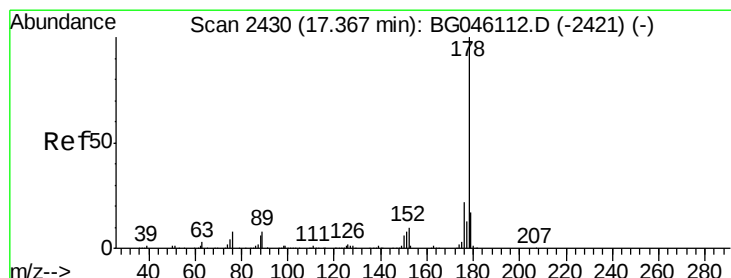
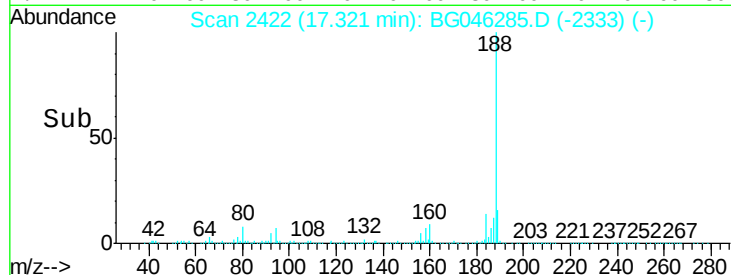
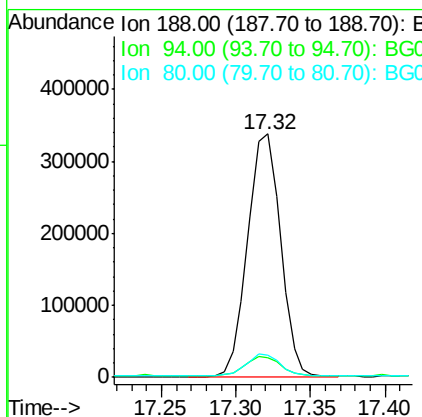
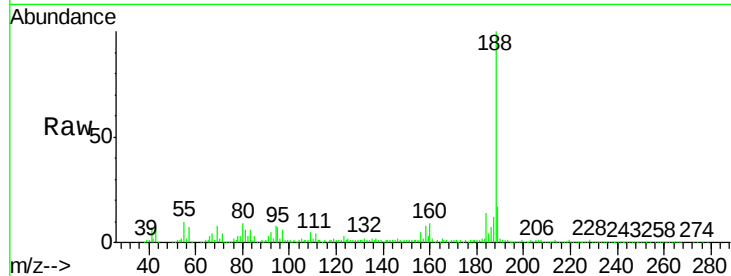
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.32 min Scan# 2422
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Instrument :
BNA_G
ClientSampleId :
24051

Tot Ion	Ratio	Resp	Lower	Upper
188	100	515878		
94	8.3		6.4	9.6
80	9.0		7.4	11.0

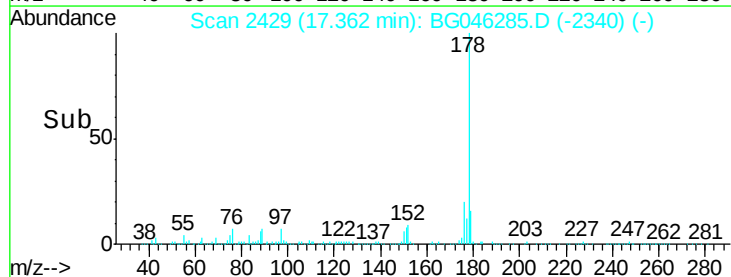
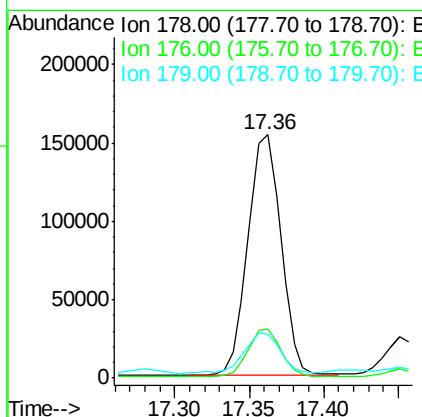
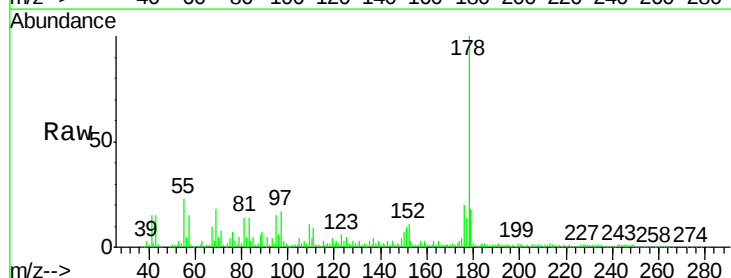
Manual Integrations
APPROVED

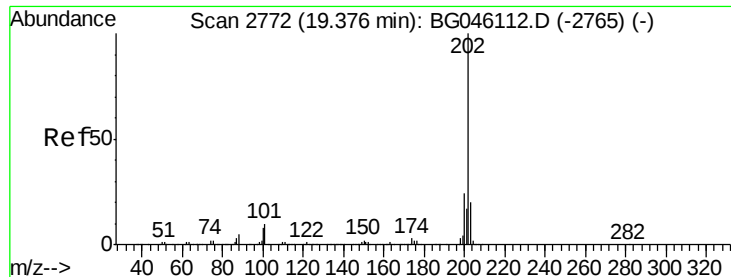
mohammad
8/18/2020 1:41:36 PM



#71
Phenanthrene
Concen: 8.367 ng
RT: 17.36 min Scan# 2429
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	236443		
176	20.3		17.3	25.9
179	18.2		13.8	20.6





#75

Fluoranthene

Concen: 17.127 ng

RT: 19.37 min Scan# 2771

Delta R.T. -0.00 min

Lab File: BG046285.D

Acq: 14 Aug 2020 21:22

Instrument :

BNA_G

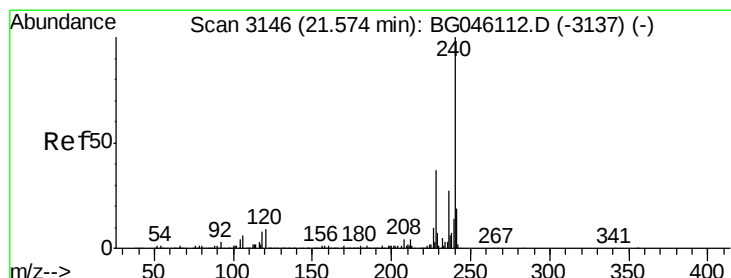
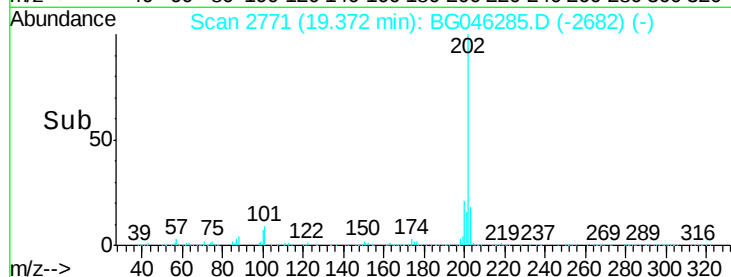
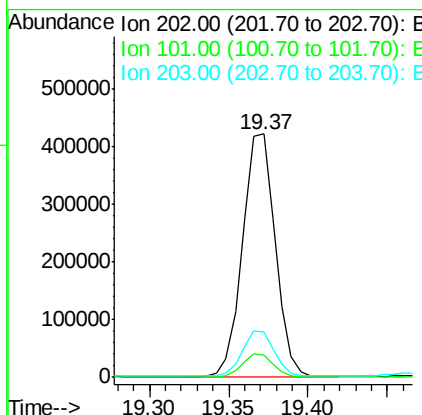
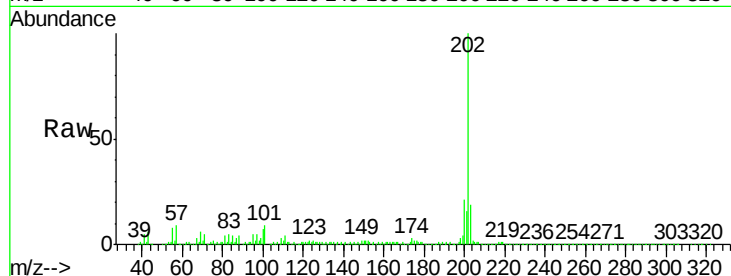
ClientSampleId :

24051

Tot Ion:	202	Resp:	604237
Ion Ratio	Lower	Upper	
202	100		
101	9.3	0.0	30.0
203	18.7	0.2	40.2

Manual Integrations
APPROVED

mohammad
8/18/2020 1:41:36 PM



#76

Chrysene-d12

Concen: 20.000 ng

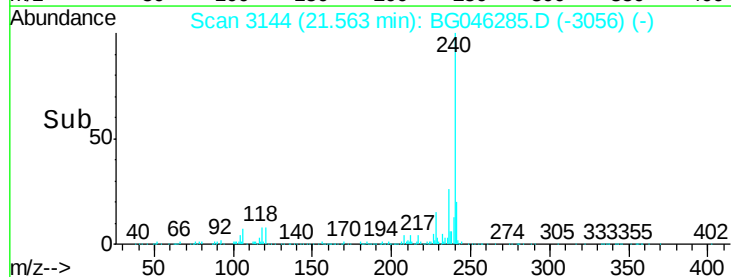
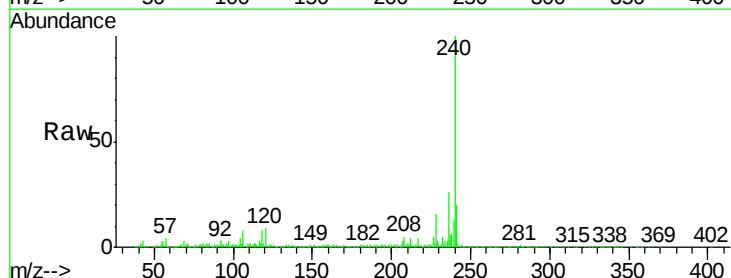
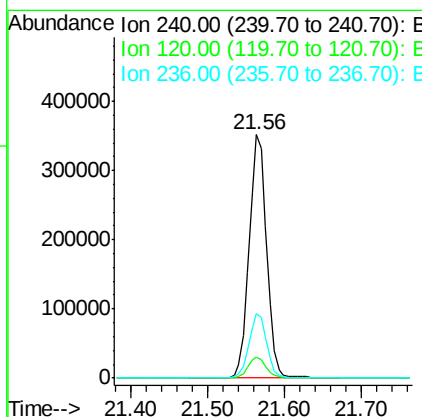
RT: 21.56 min Scan# 3144

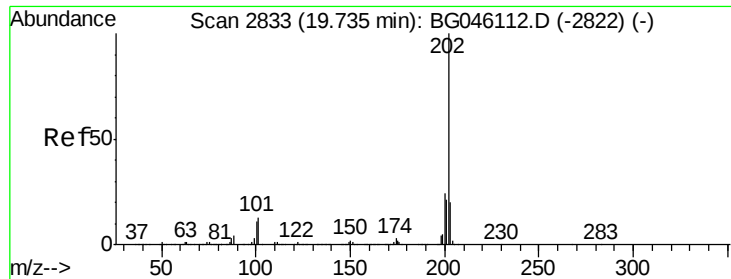
Delta R.T. -0.01 min

Lab File: BG046285.D

Acq: 14 Aug 2020 21:22

Tgt Ion:	240	Resp:	560667
Ion Ratio	Lower	Upper	
240	100		
120	8.8	7.1	10.7
236	26.4	21.7	32.5





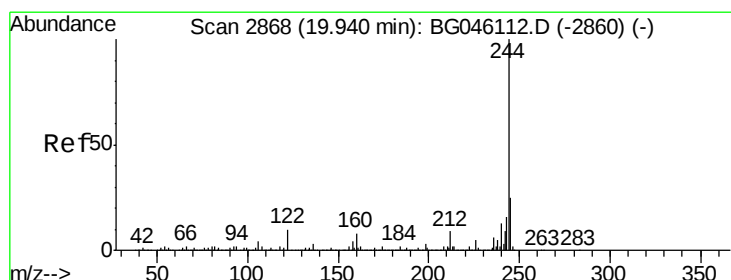
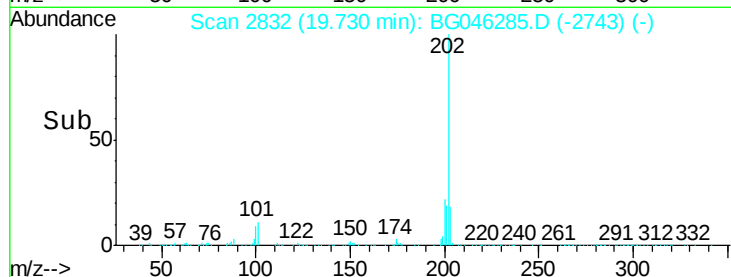
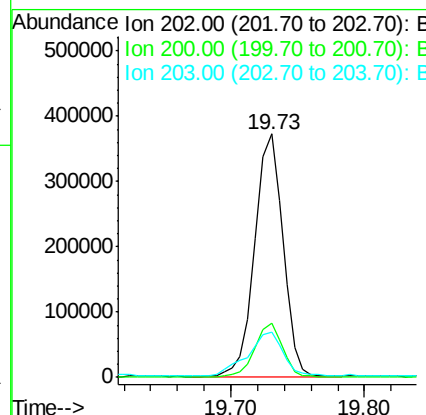
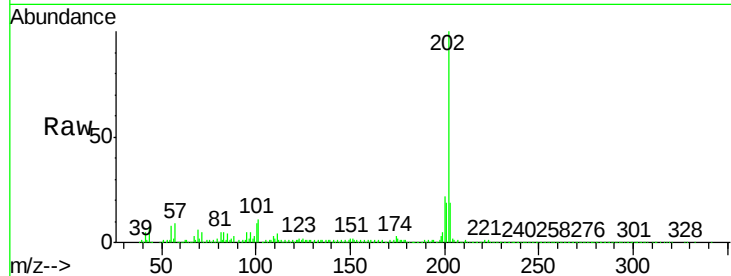
#78
Pvrene
Concen: 14.403 ng
RT: 19.73 min Scan# 2832
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Instrument :
BNA_G
ClientSampleId :
24051

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.2	19.5	29.3
203	18.7	16.2	24.2

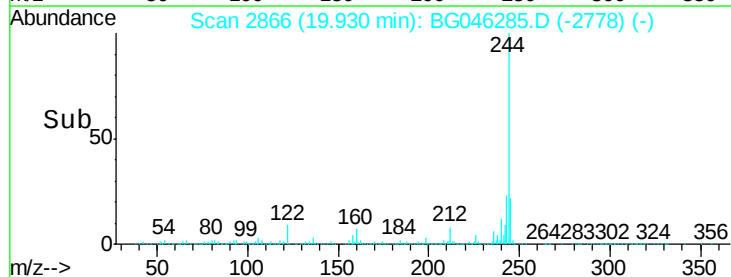
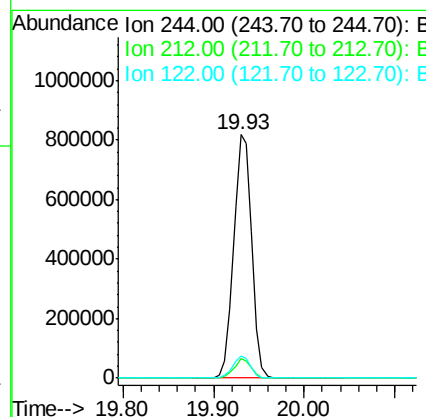
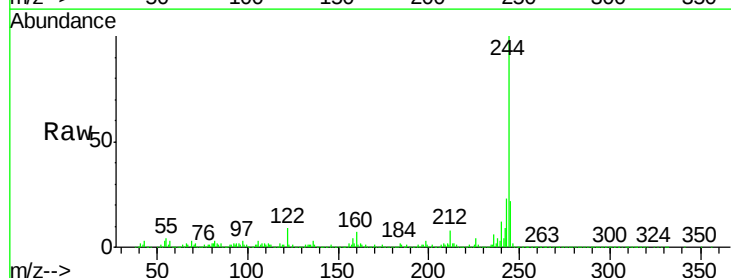
Manual Integrations
APPROVED

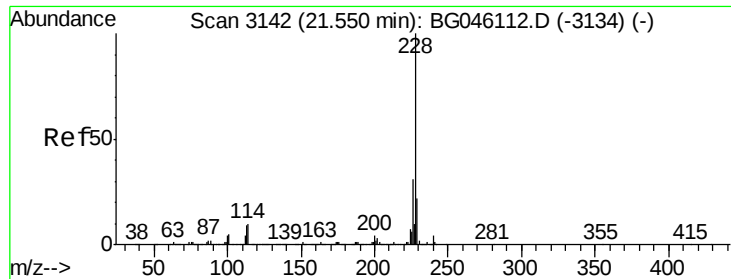
mohammad
8/18/2020 1:41:36 PM



#79
Terphenyl-d14
Concen: 40.972 ng
RT: 19.93 min Scan# 2866
Delta R.T. -0.01 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	7.2	10.8
122	9.3	8.3	12.5





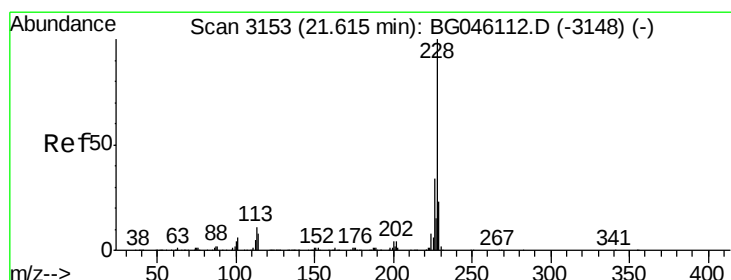
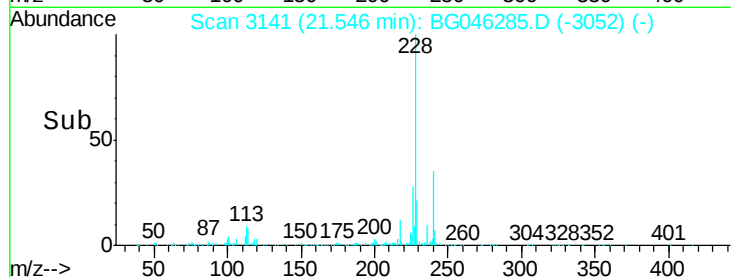
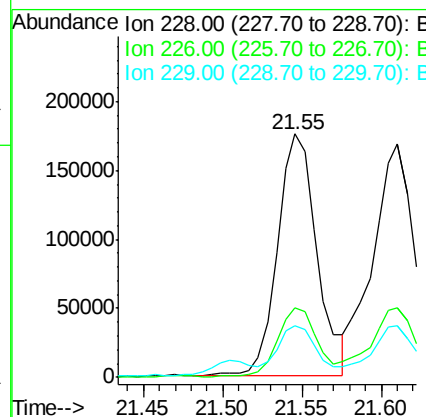
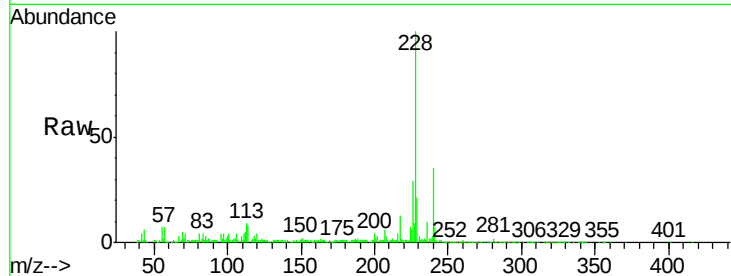
#81
Benzo(a)anthracene
Concen: 8.044 ng
RT: 21.55 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Instrument :
BNA_G
ClientSampleId :
24051

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.7	37.1
229	21.3	17.8	26.8

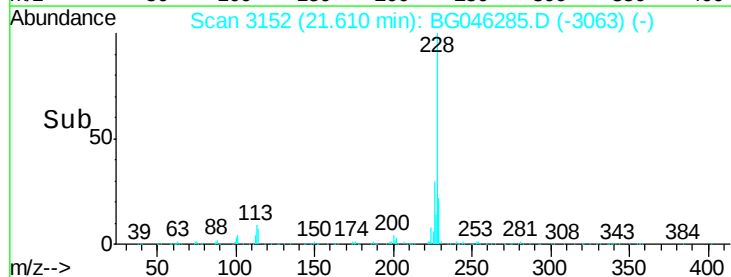
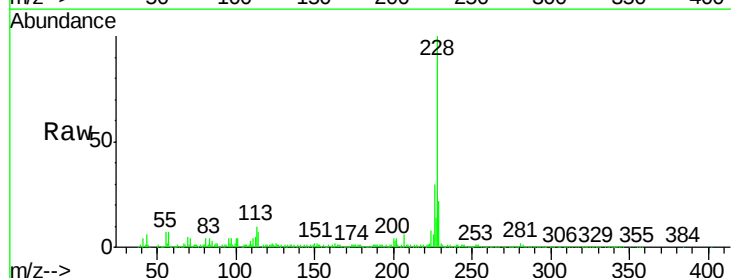
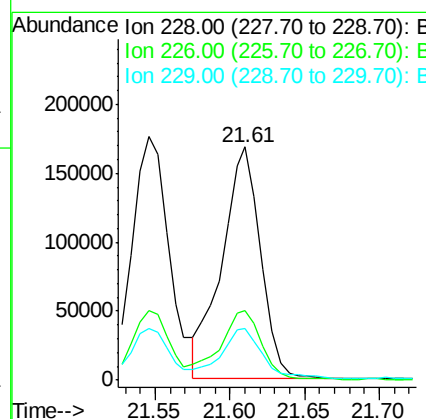
Manual Integrations
APPROVED

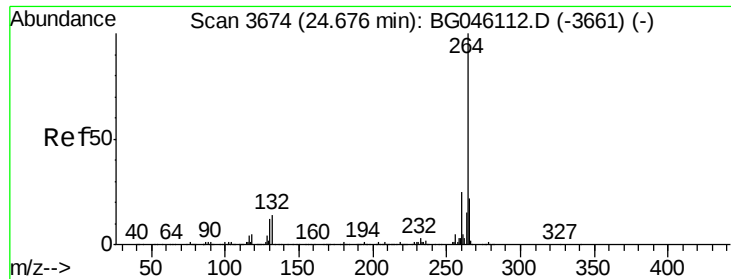
mohammad
8/18/2020 1:41:36 PM



#83
Chrysene
Concen: 8.279 ng
RT: 21.61 min Scan# 3152
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	26.9	40.3
229	22.2	18.2	27.4





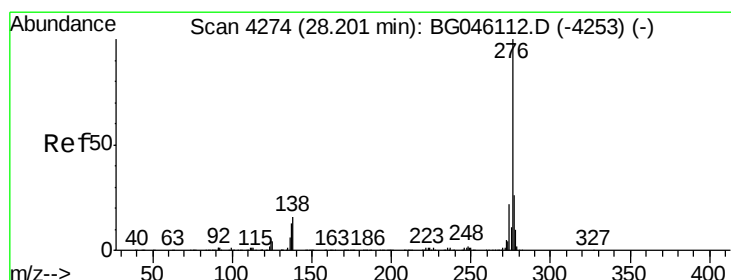
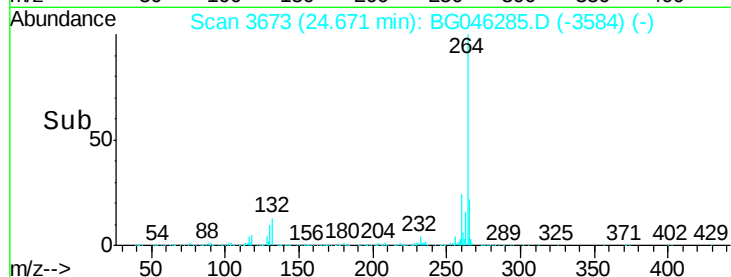
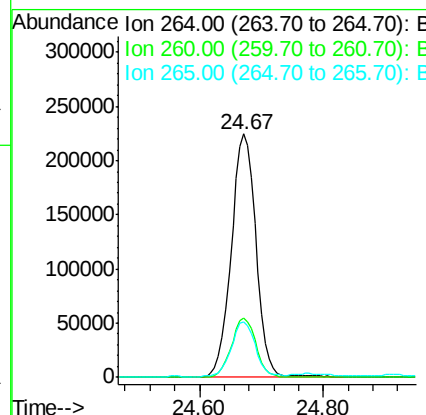
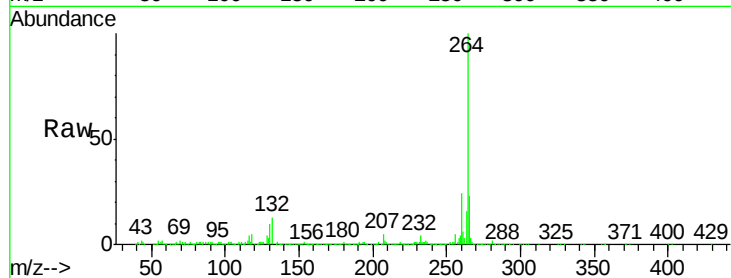
#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.67 min Scan# 3673
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Instrument :
BNA_G
ClientSampleId :
24051

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.7	29.5
265	22.6	17.6	26.4

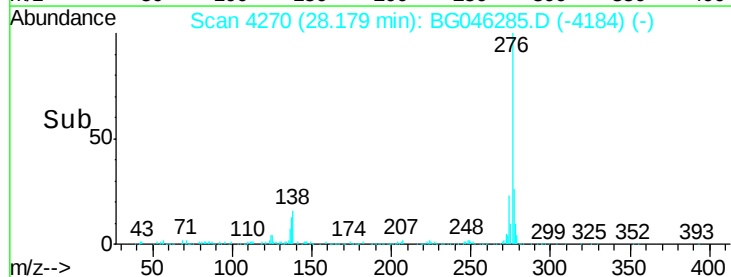
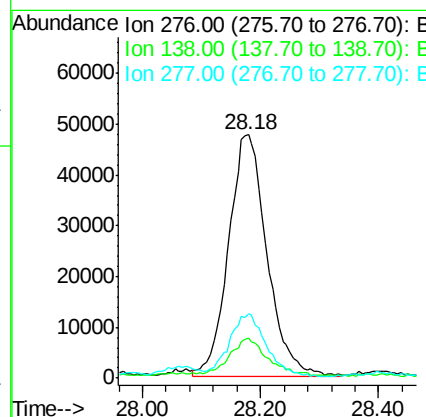
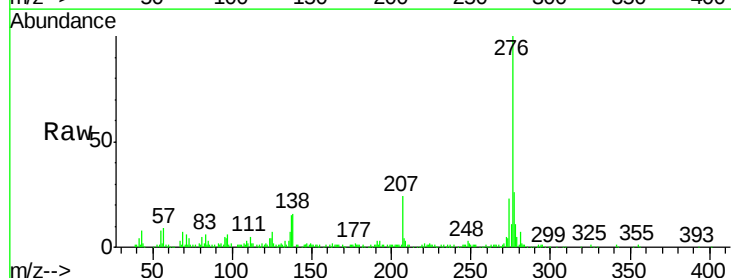
Manual Integrations
APPROVED

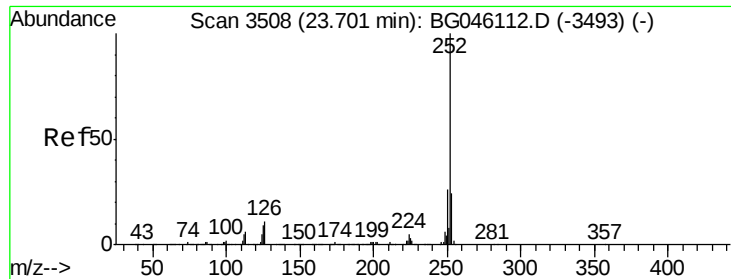
mohammad
8/18/2020 1:41:36 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.571 ng
RT: 28.18 min Scan# 4270
Delta R.T. -0.02 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.4	11.6	17.4
277	24.4	20.8	31.2





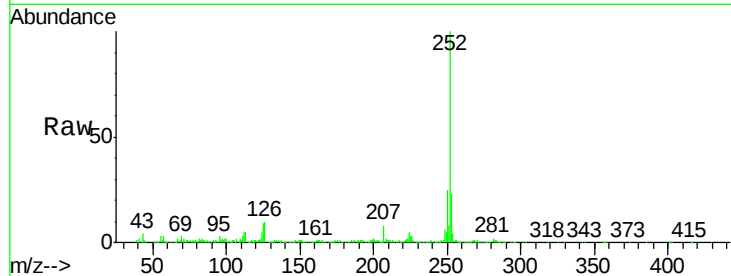
#88
Benzo(b)fluoranthene
Concen: 10.200 ng
RT: 23.70 min Scan# 3507
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Instrument :
BNA_G
ClientSampleId :
24051

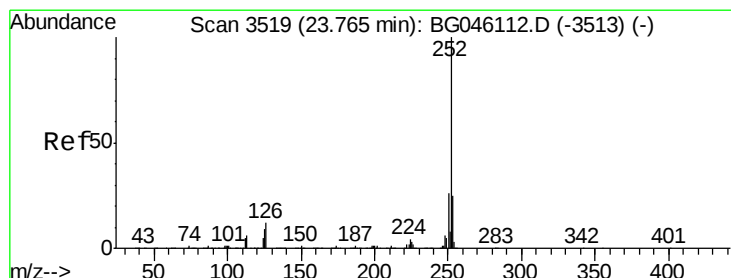
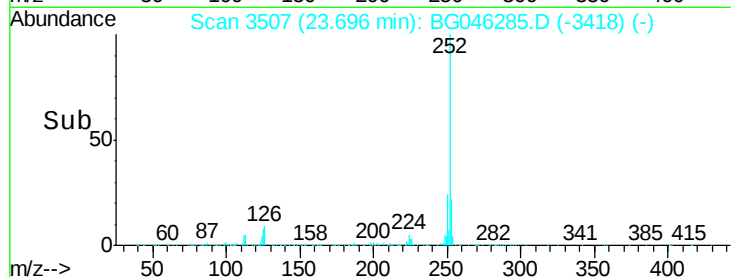
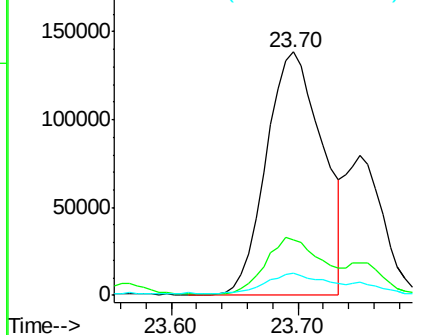
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.2	28.8
125	8.9	7.2	10.8

Manual Integrations
APPROVED

mohammad
8/18/2020 1:41:36 PM

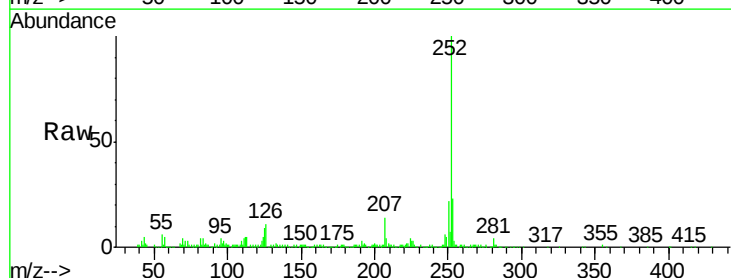


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

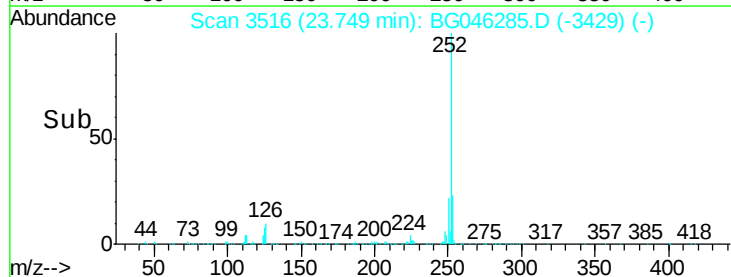
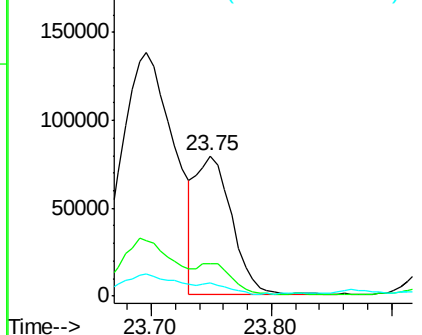


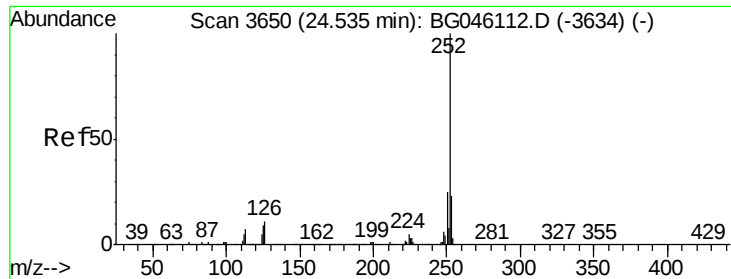
#89
Benzo(k)fluoranthene
Concen: 3.944 ng m
RT: 23.75 min Scan# 3516
Delta R.T. -0.02 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.5	29.3
125	9.0	7.3	10.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





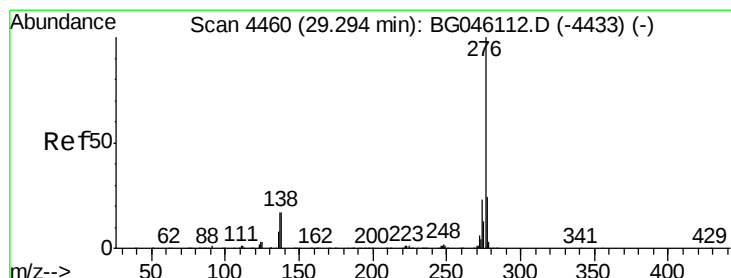
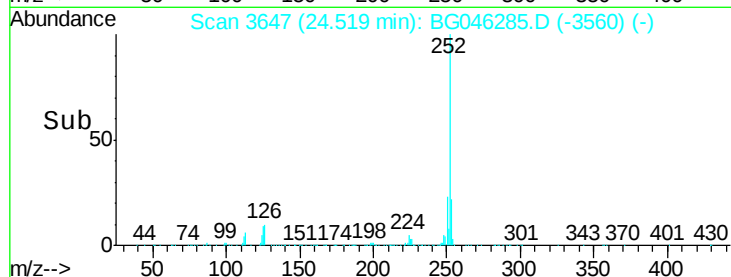
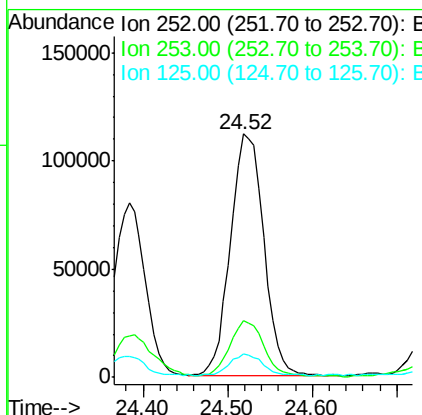
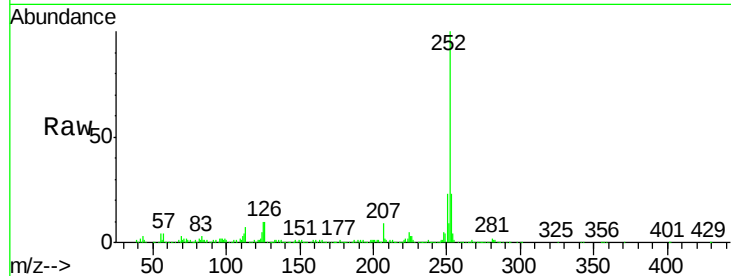
#90
Benzo(a)pyrene
Concen: 7.857 ng
RT: 24.52 min Scan# 3647
Delta R.T. -0.02 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Instrument :
BNA_G
ClientSampleId :
24051

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	27.8
125	9.7	7.1	10.7

Manual Integrations
APPROVED

mohammad
8/18/2020 1:41:36 PM



#92
Benzo(g,h,i)perylene
Concen: 5.094 ng
RT: 29.27 min Scan# 4455
Delta R.T. -0.03 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.5	29.3
138	15.3	13.8	20.6

