

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
 Data File : BG046479.D
 Acq On : 31 Aug 2020 21:53
 Operator : CG/JU
 Sample : L3847-19
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LINDEN-JOP-BH-11-A

Manual Integrations
 APPROVED

mohammad
 9/1/2020 10:47:47 AM

Quant Time: Sep 01 04:41:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 31 16:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	90688	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	385712	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	263282	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	566613	20.00	ng	0.00
76) Chrysene-d12	21.55	240	533038	20.00	ng	0.00
86) Perylene-d12	24.66	264	558889	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	472761	92.33	ng	0.00
7) Phenol-d6	7.10	99	657939	90.65	ng	0.00
23) Nitrobenzene-d5	9.09	82	433152	64.18	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	291588	81.74	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1159566	67.23	ng	0.00
79) Terphenyl-d14	19.92	244	1481155	59.14	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.01	163	293097	14.389	ng	99
71) Phenanthrene	17.34	178	206579	7.193	ng	96
75) Fluoranthene	19.36	202	639246	17.296	ng	96
78) Pyrene	19.72	202	704338	20.750	ng	97
81) Benzo(a)anthracene	21.53	228	429046	12.914	ng	97
83) Chrysene	21.60	228	409118	12.801	ng	99
87) Indeno(1,2,3-cd)pyrene	28.17	276	307429	7.659	ng	97
88) Benzo(b)fluoranthene	23.68	252	582893	16.703	ng	98
89) Benzo(k)fluoranthene	23.73	252	175835m	5.213	ng	
90) Benzo(a)pyrene	24.51	252	445134	13.668	ng	99
91) Dibenzo(a,h)anthracene	28.21	278	77635m	2.397	ng	
92) Benzo(a,h,i)perylene	29.26	276	333192	10.301	ng	95

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

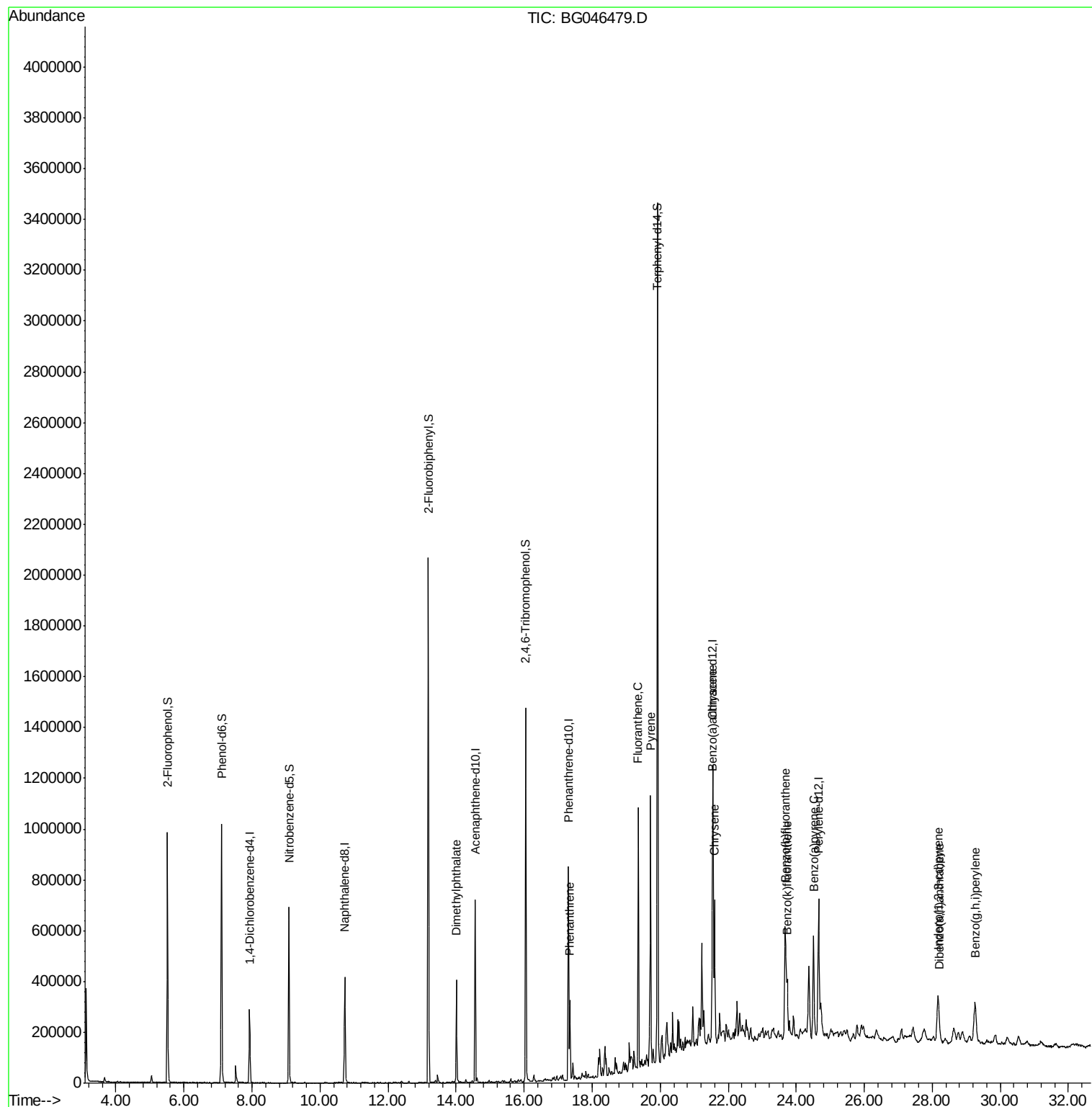
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046479.D
Acq On : 31 Aug 2020 21:53
Operator : CG/JU
Sample : L3847-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

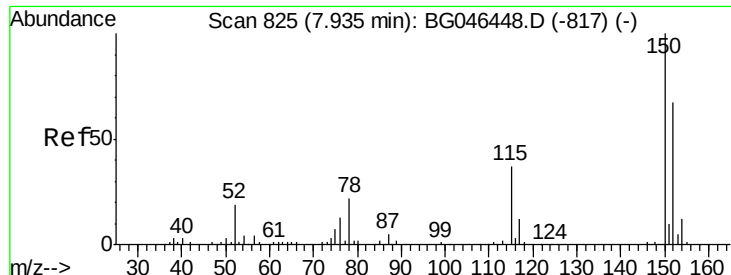
Instrument :
BNA_G
ClientSampleId :
LINDEN-JOP-BH-11-A

Manual Integrations
APPROVED

mohammad
9/1/2020 10:47:47 AM

Quant Time: Sep 01 04:41:10 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 31 16:05:33 2020
Response via : Initial Calibration





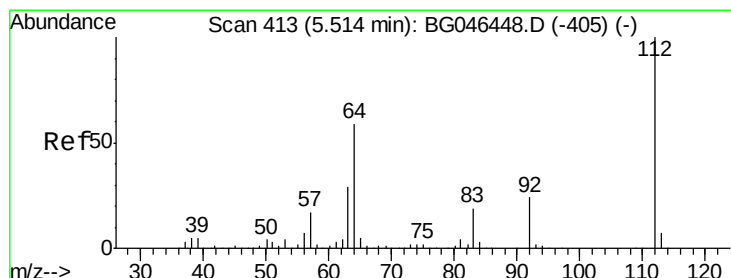
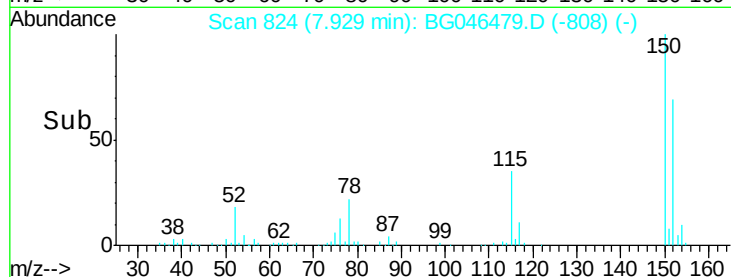
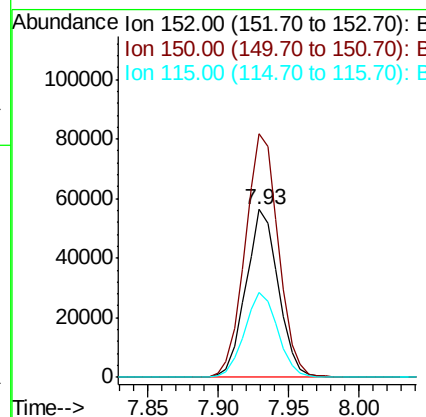
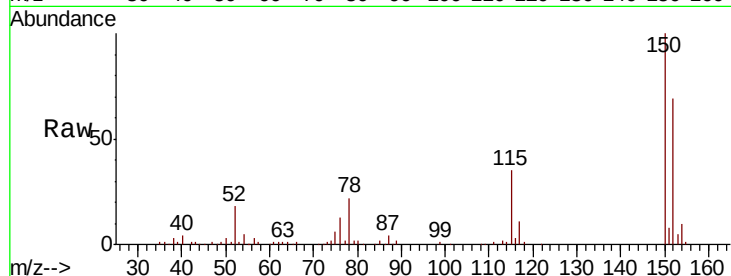
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.93 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BG046479.D
 Acq: 31 Aug 2020 21:53

Instrument :
 BNA_G
 ClientSampleId :
 LINDEN-JOP-BH-11-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.1	119.5	179.3
115	50.3	44.3	66.5

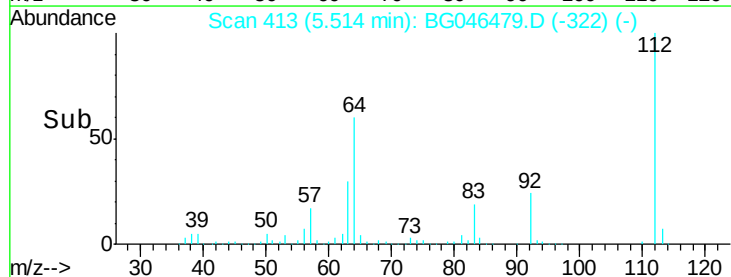
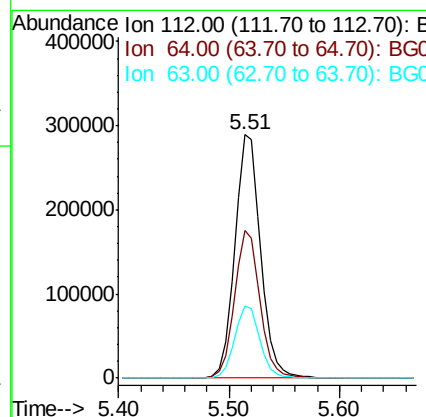
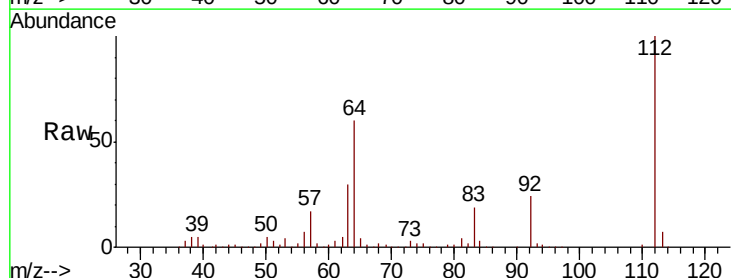
Manual Integrations
 APPROVED

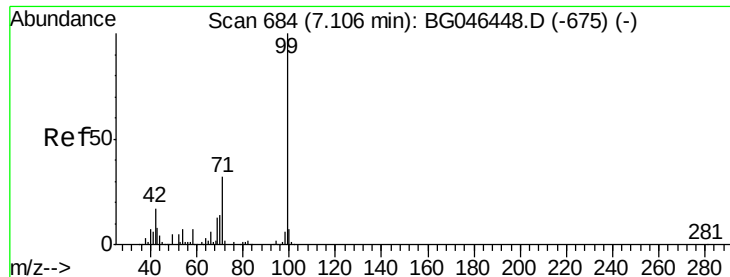
mohammad
 9/1/2020 10:47:47 AM



#5
 2-Fluorophenol
 Concen: 92.333 ng
 RT: 5.51 min Scan# 413
 Delta R.T. 0.00 min
 Lab File: BG046479.D
 Acq: 31 Aug 2020 21:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.0	70.6
63	29.8	23.5	35.3





#7

Phenol-d6

Concen: 90.645 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046479.D

Acq: 31 Aug 2020 21:53

Instrument :

BNA_G

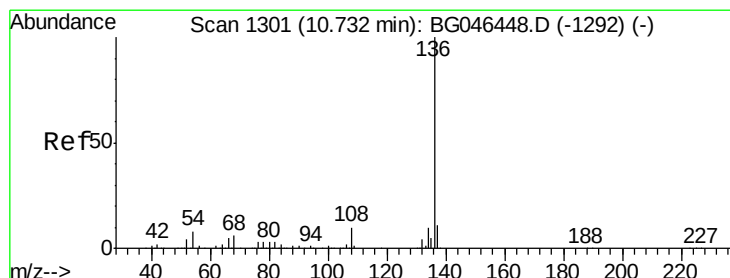
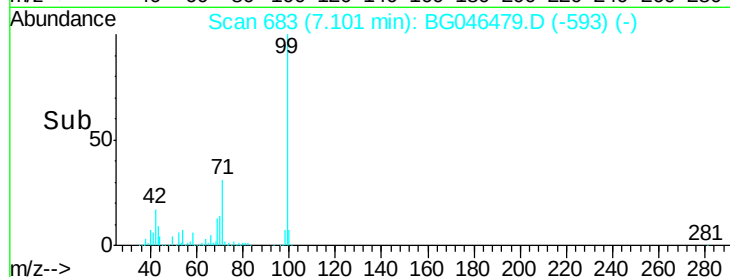
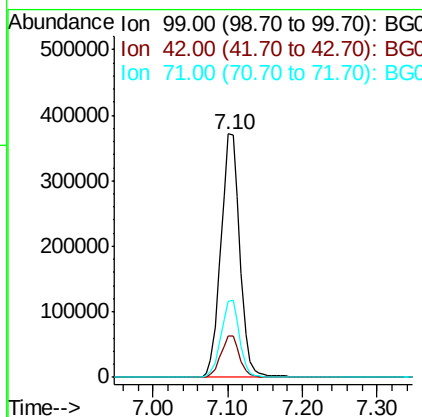
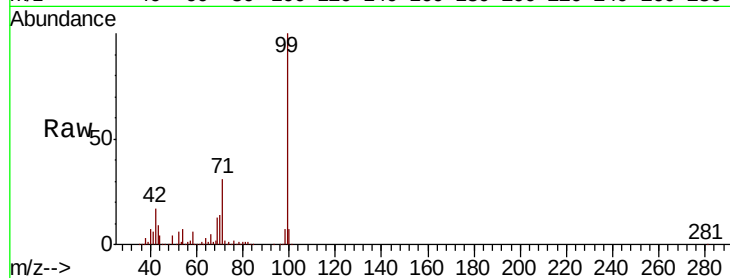
ClientSampleId :

LINDEN-JOP-BH-11-A

Tot Ion:	99	Resp:	657939
Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.3	19.9
71	31.3	25.3	37.9

Manual Integrations
APPROVED

mohammad
9/1/2020 10:47:47 AM



#21

Naphthalene-d8

Concen: 20.000 ng

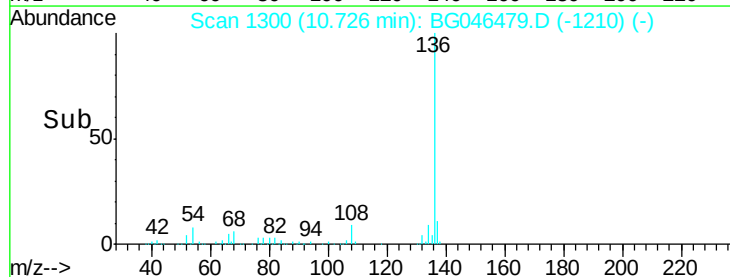
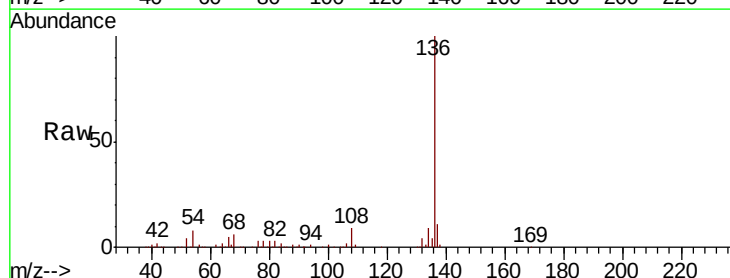
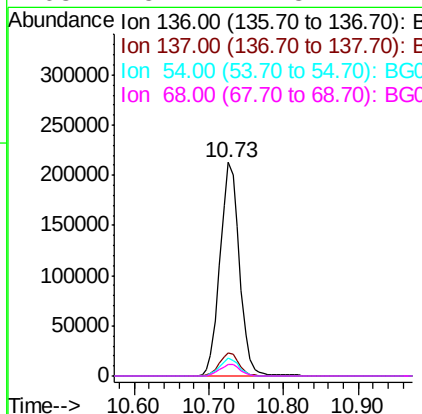
RT: 10.73 min Scan# 1300

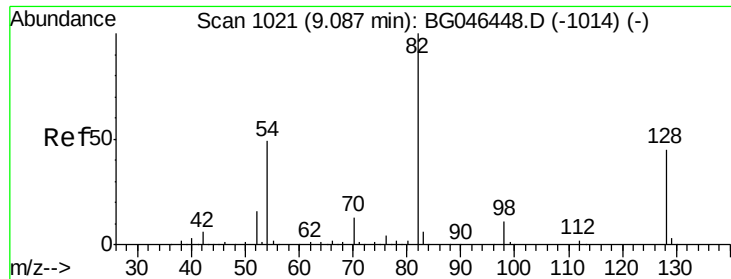
Delta R.T. -0.00 min

Lab File: BG046479.D

Acq: 31 Aug 2020 21:53

Tgt Ion:	136	Resp:	385712
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.2	6.1	9.1
68	5.7	4.8	7.2





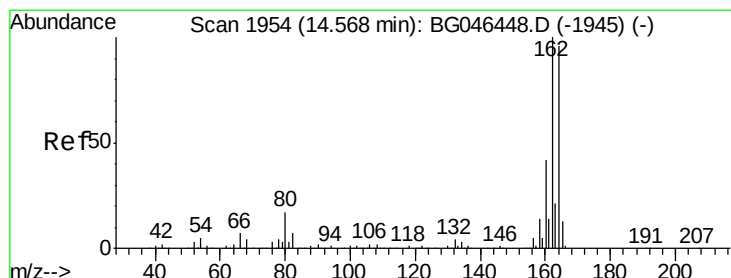
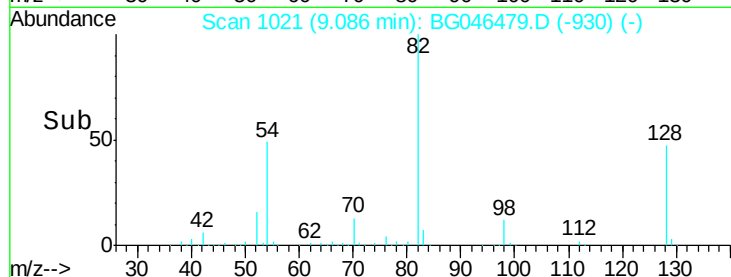
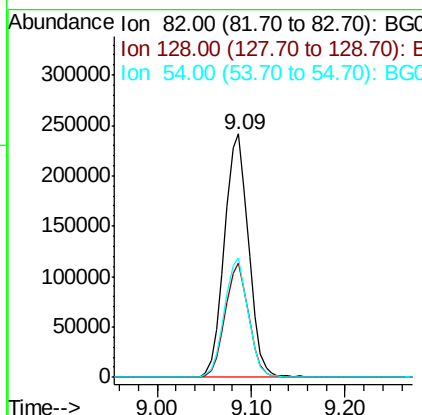
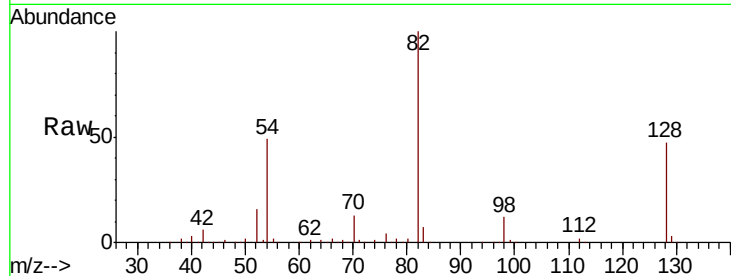
#23
 Nitrobenzene-d5
 Concen: 64.185 ng
 RT: 9.09 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BG046479.D
 Acq: 31 Aug 2020 21:53

Instrument :
 BNA_G
 ClientSampleId :
 LINDEN-JOP-BH-11-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	35.7	53.5
54	48.9	39.4	59.0

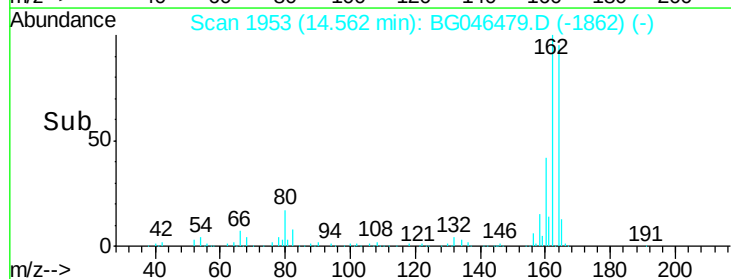
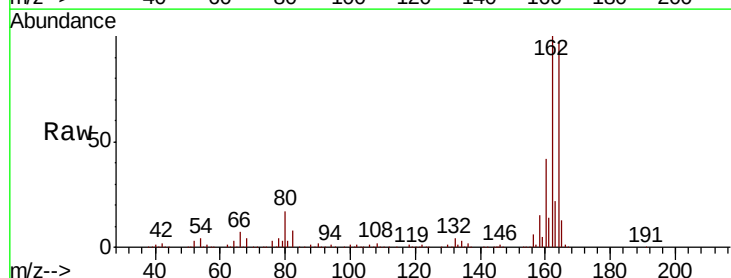
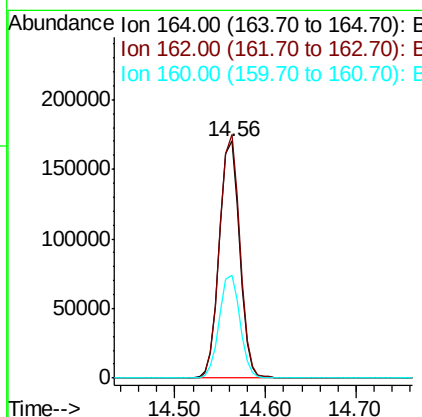
Manual Integrations
 APPROVED

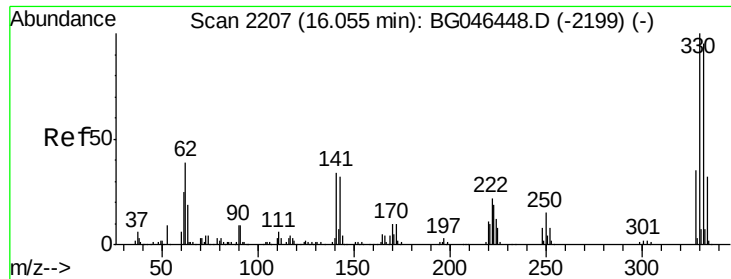
mohammad
 9/1/2020 10:47:47 AM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: BG046479.D
 Acq: 31 Aug 2020 21:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	83.3	124.9
160	43.2	35.0	52.6





#42

2,4,6-Tribromophenol

Concen: 81.739 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BG046479.D

Acq: 31 Aug 2020 21:53

Instrument :

BNA_G

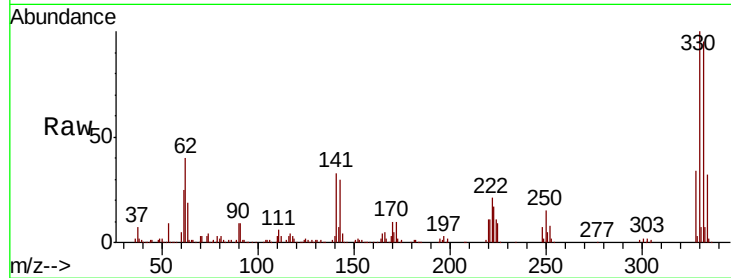
ClientSampleId :

LINDEN-JOP-BH-11-A

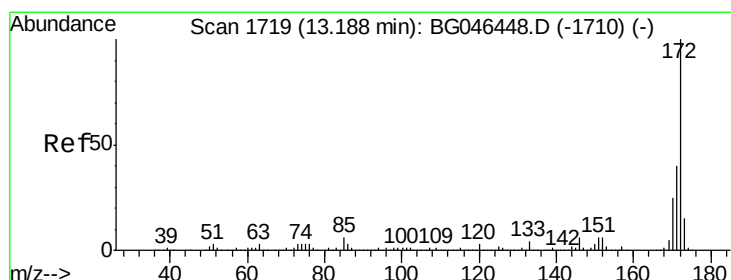
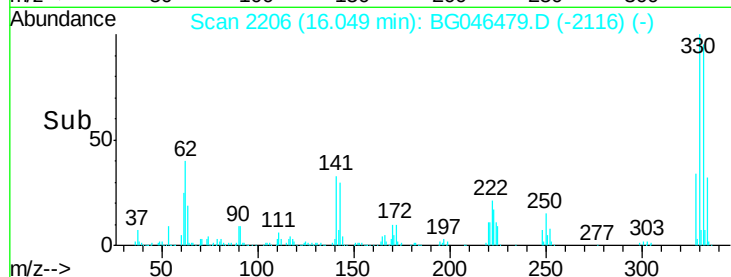
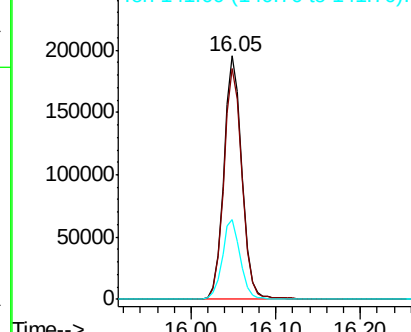
Tot Ion:	330	Resp:	291588
Ion Ratio	Lower	Upper	
330	100		
332	96.0	76.1	114.1
141	32.8	26.1	39.1

Manual Integrations
APPROVED

mohammad
9/1/2020 10:47:47 AM



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 67.234 ng

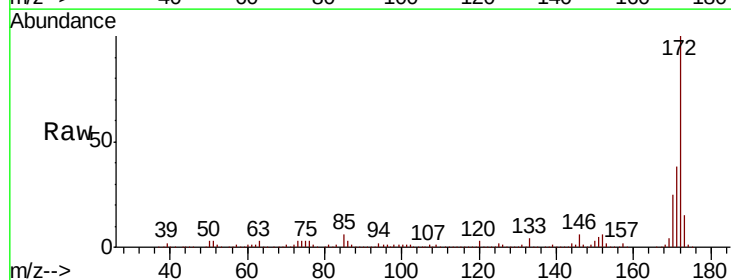
RT: 13.18 min Scan# 1718

Delta R.T. -0.00 min

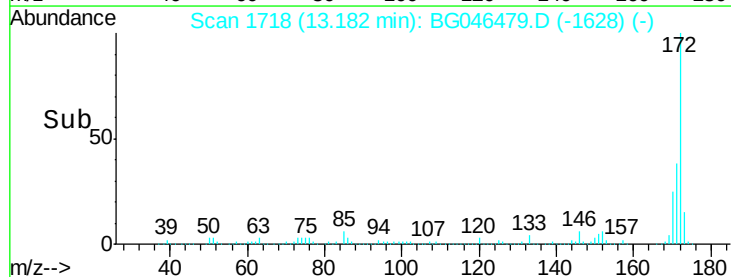
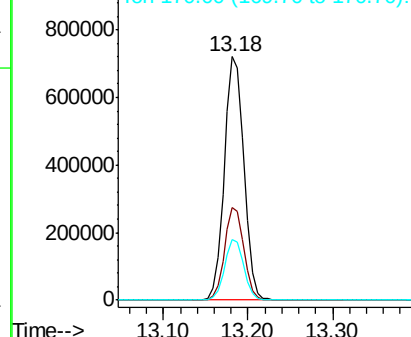
Lab File: BG046479.D

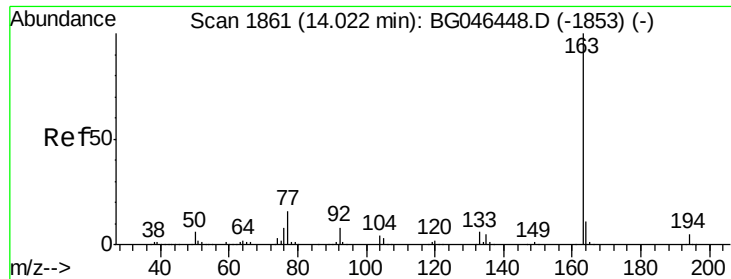
Acq: 31 Aug 2020 21:53

Tgt Ion:	172	Resp:	1159566
Ion Ratio	Lower	Upper	
172	100		
171	37.9	31.8	47.6
170	25.0	20.3	30.5



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 14.389 ng

RT: 14.01 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BG046479.D

Acq: 31 Aug 2020 21:53

Instrument :

BNA_G

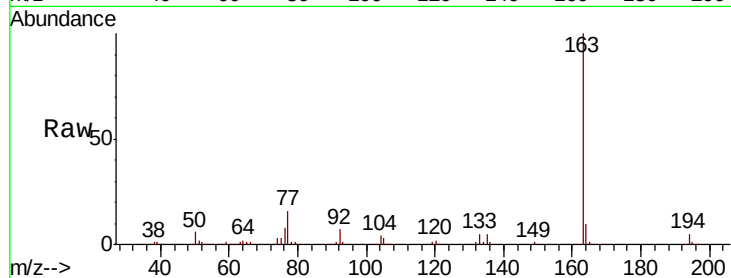
ClientSampleId :

LINDEN-JOP-BH-11-A

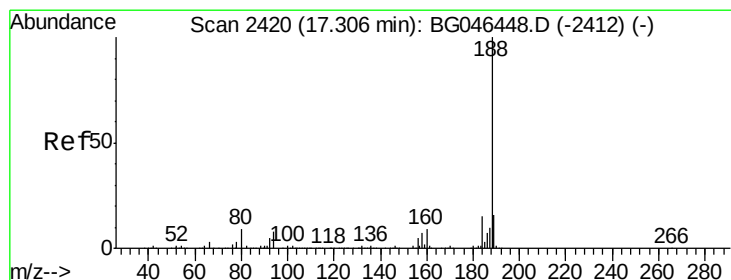
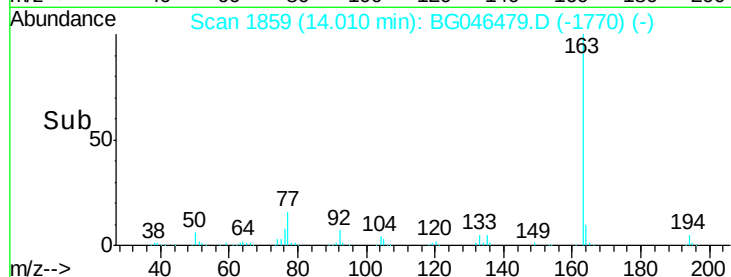
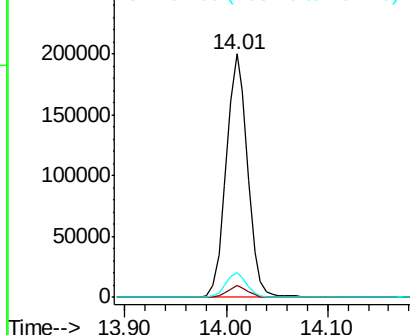
Tot Ion:	163	Resp:	293097
Ion Ratio	Lower	Upper	
163	100		
194	4.8	3.7	5.5
164	10.2	8.6	12.8

Manual Integrations
APPROVED

mohammad
9/1/2020 10:47:47 AM



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

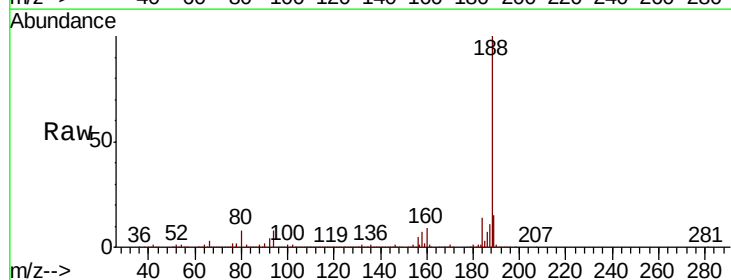
RT: 17.31 min Scan# 2420

Delta R.T. 0.00 min

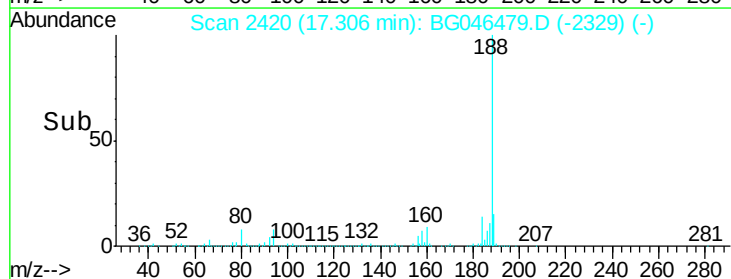
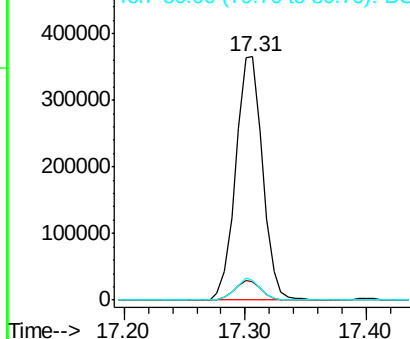
Lab File: BG046479.D

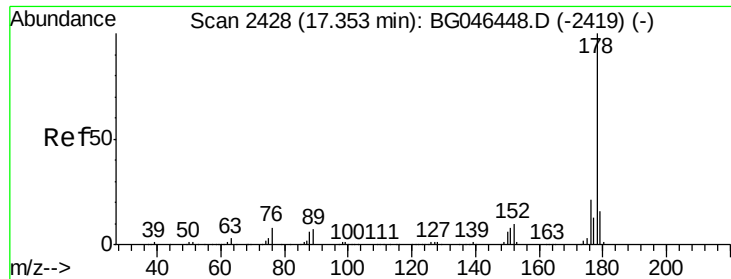
Acq: 31 Aug 2020 21:53

Tgt Ion:	188	Resp:	566613
Ion Ratio	Lower	Upper	
188	100		
94	7.6	6.3	9.5
80	8.0	6.9	10.3



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





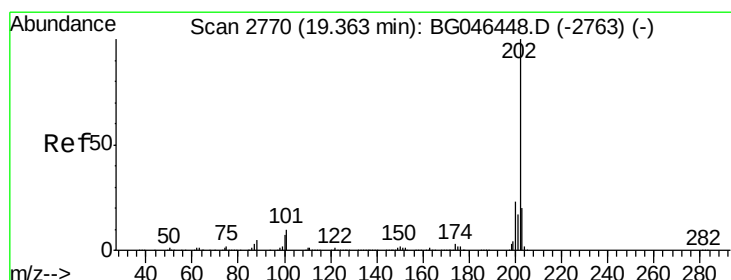
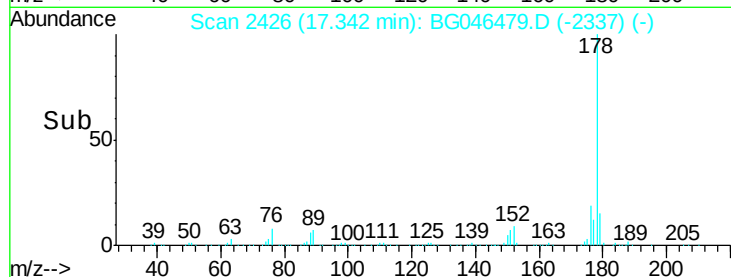
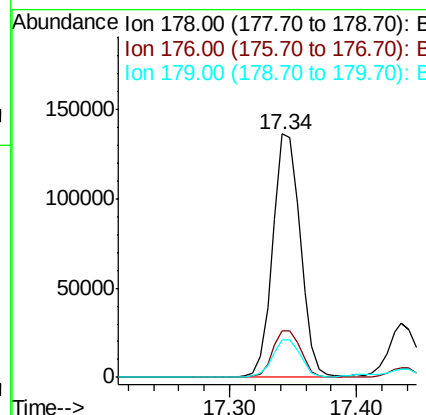
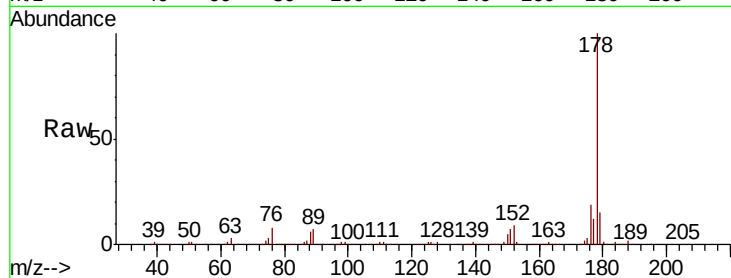
#71
Phenanthrene
Concen: 7.193 ng
RT: 17.34 min Scan# 2426
Delta R.T. -0.01 min
Lab File: BG046479.D
Acq: 31 Aug 2020 21:53

Instrument :
BNA_G
ClientSampleId :
LINDEN-JOP-BH-11-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.8	25.2
179	15.3	13.2	19.8

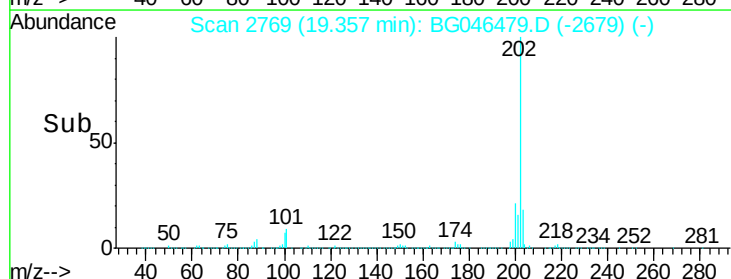
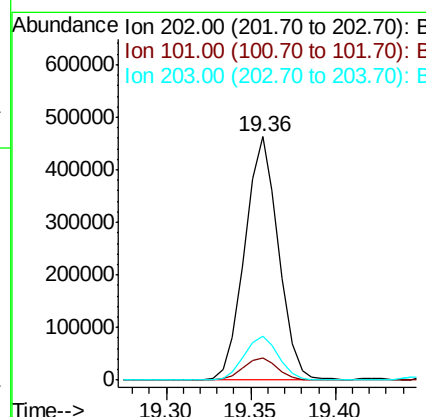
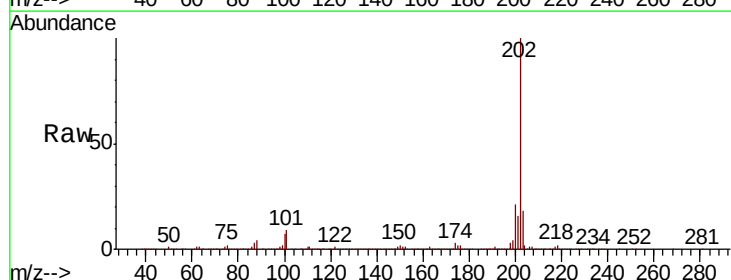
Manual Integrations
APPROVED

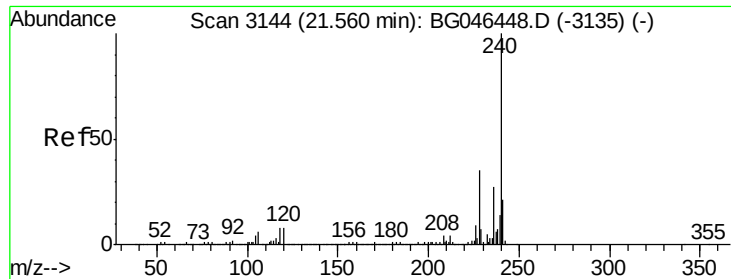
mohammad
9/1/2020 10:47:47 AM



#75
Fluoranthene
Concen: 17.296 ng
RT: 19.36 min Scan# 2769
Delta R.T. -0.00 min
Lab File: BG046479.D
Acq: 31 Aug 2020 21:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	29.9
203	18.0	0.0	40.0





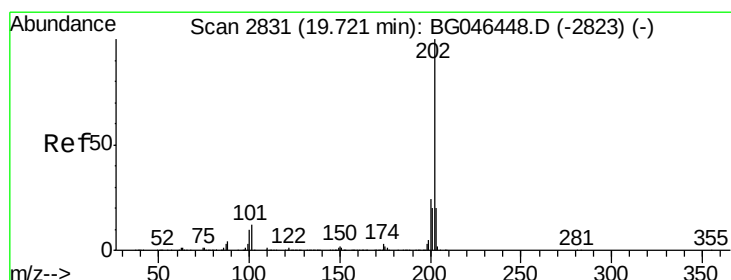
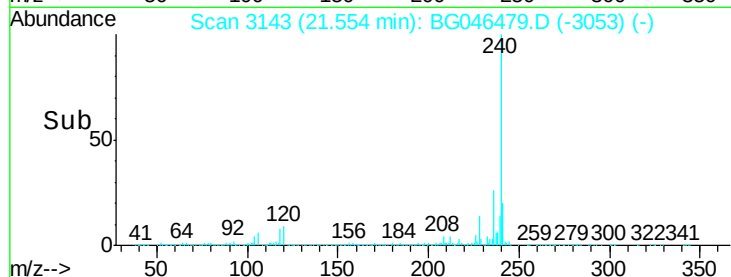
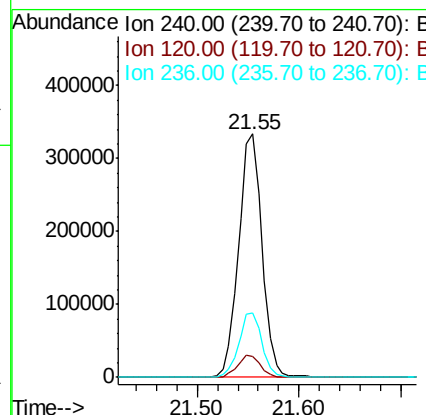
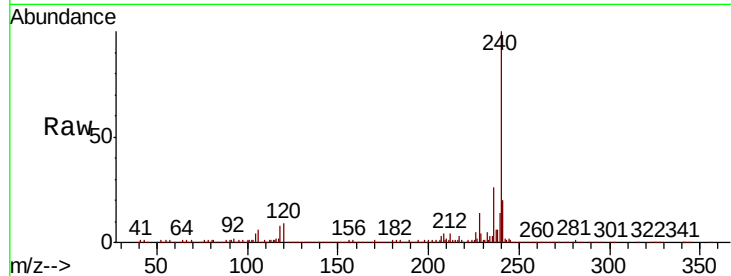
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.00 min
Lab File: BG046479.D
Acq: 31 Aug 2020 21:53

Instrument :
BNA_G
ClientSampleId :
LINDEN-JOP-BH-11-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.6	10.0
236	26.5	21.4	32.2

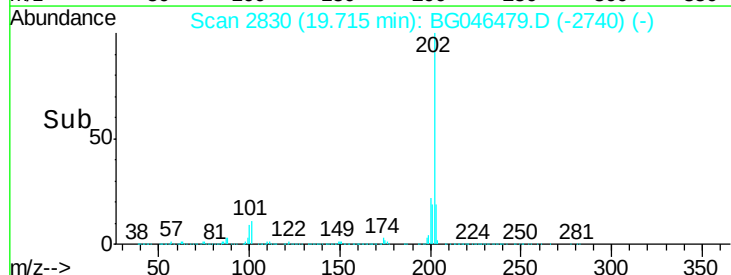
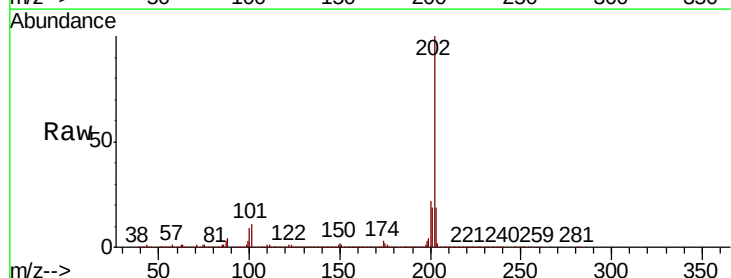
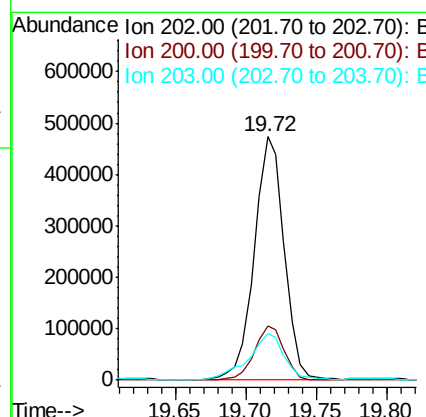
Manual Integrations
APPROVED

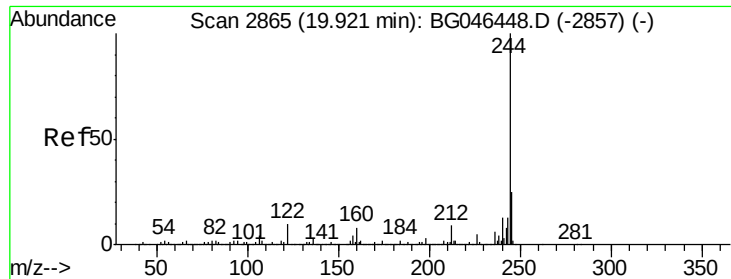
mohammad
9/1/2020 10:47:47 AM



#78
Pyrene
Concen: 20.750 ng
RT: 19.72 min Scan# 2830
Delta R.T. -0.00 min
Lab File: BG046479.D
Acq: 31 Aug 2020 21:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	18.9	28.3
203	18.9	16.1	24.1





#79

Terphenyl-d14

Concen: 59.136 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG046479.D

Acq: 31 Aug 2020 21:53

Instrument :

BNA_G

ClientSampleId :

LINDEN-JOP-BH-11-A

Tot Ion:244 Resp: 1481155

Ion Ratio Lower Upper

244 100

212 8.4 6.9 10.3

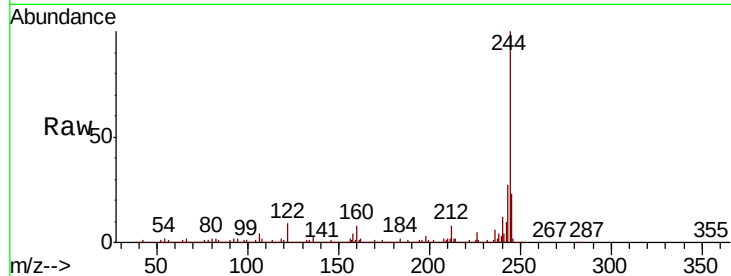
122 9.4 8.2 12.4

Manual Integrations

APPROVED

mohammad

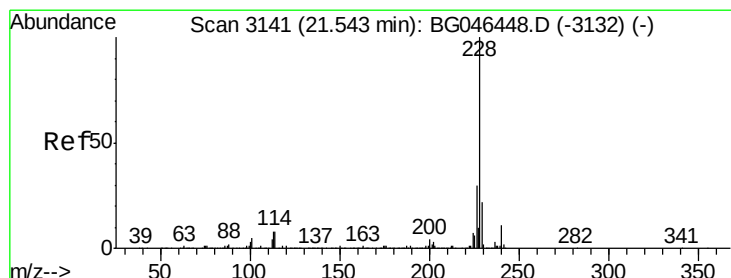
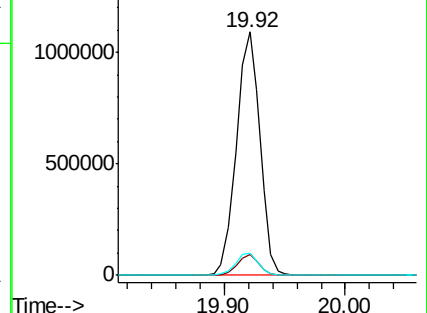
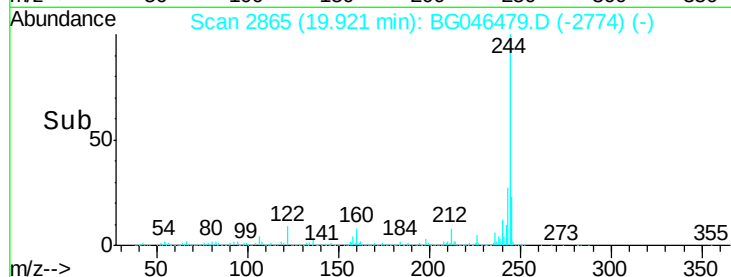
9/1/2020 10:47:47 AM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 12.914 ng

RT: 21.53 min Scan# 3139

Delta R.T. -0.00 min

Lab File: BG046479.D

Acq: 31 Aug 2020 21:53

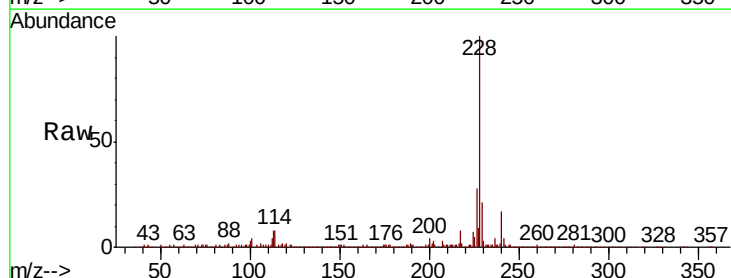
Tgt Ion:228 Resp: 429046

Ion Ratio Lower Upper

228 100

226 28.0 24.2 36.4

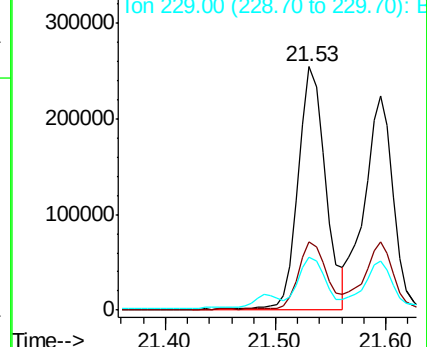
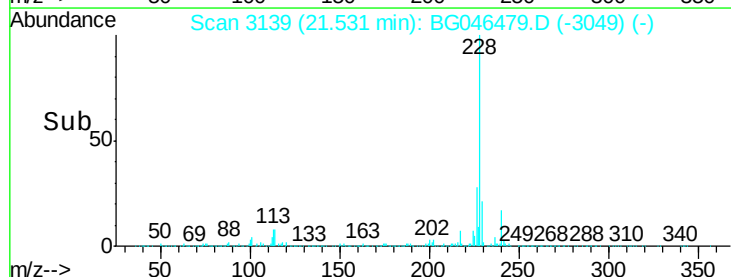
229 21.5 17.4 26.2

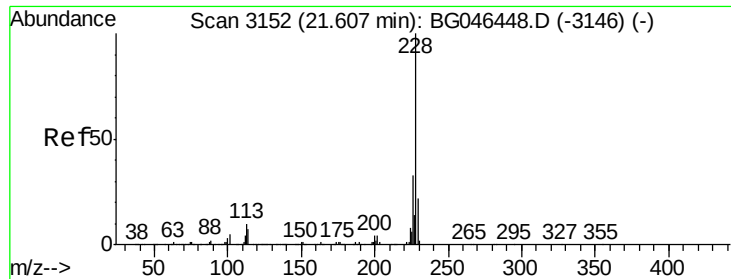


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





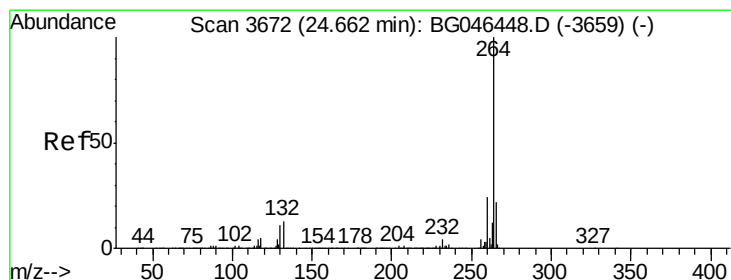
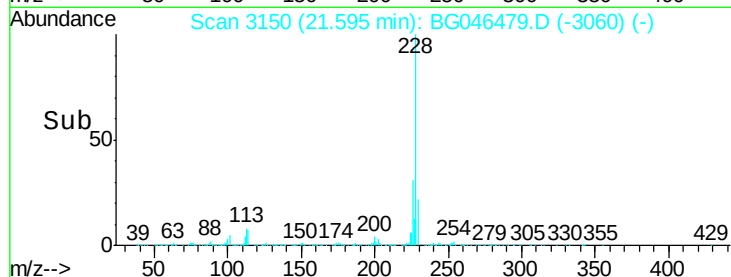
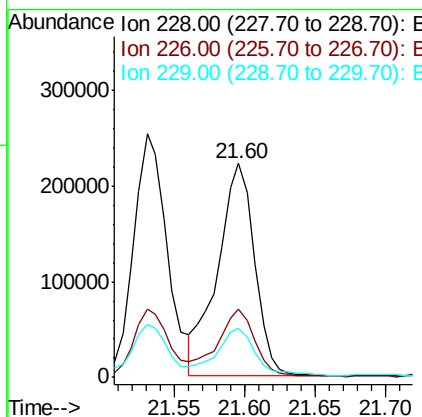
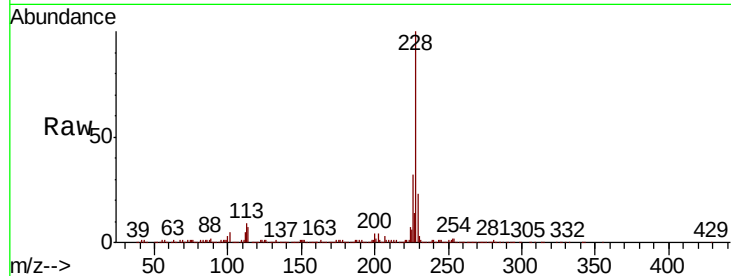
#83
Chrysene
Concen: 12.801 ng
RT: 21.60 min Scan# 3150
Delta R.T. -0.00 min
Lab File: BG046479.D
Acq: 31 Aug 2020 21:53

Instrument :
BNA_G
ClientSampleId :
LINDEN-JOP-BH-11-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	26.2	39.4
229	22.8	17.9	26.9

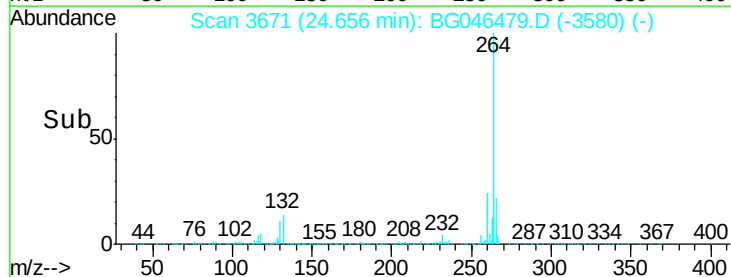
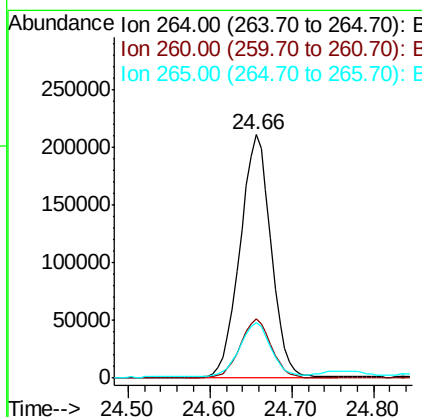
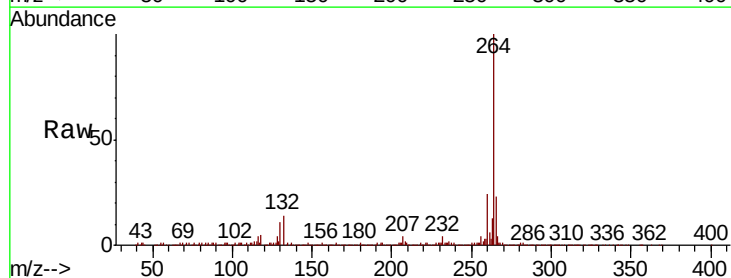
Manual Integrations
APPROVED

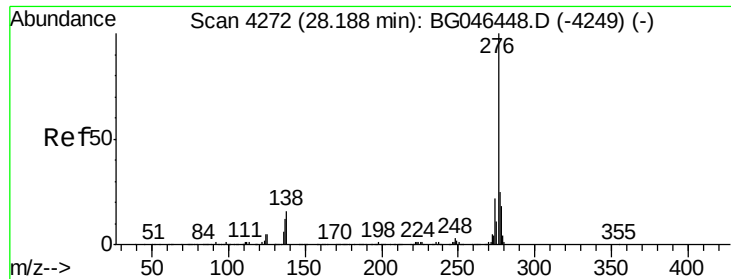
mohammad
9/1/2020 10:47:47 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.66 min Scan# 3671
Delta R.T. 0.00 min
Lab File: BG046479.D
Acq: 31 Aug 2020 21:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.7	17.9	26.9





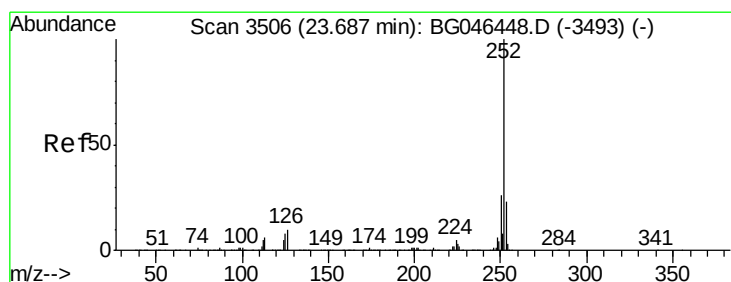
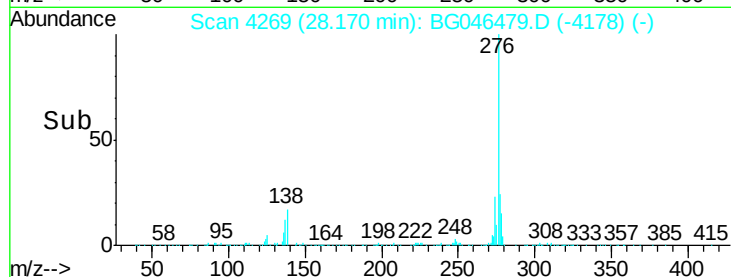
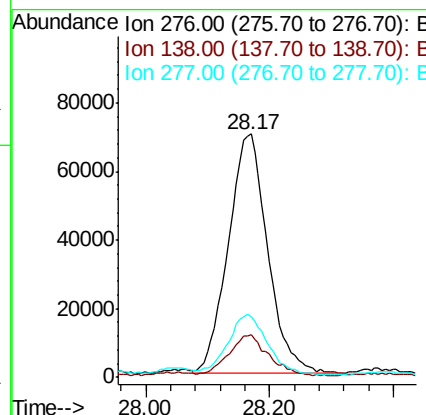
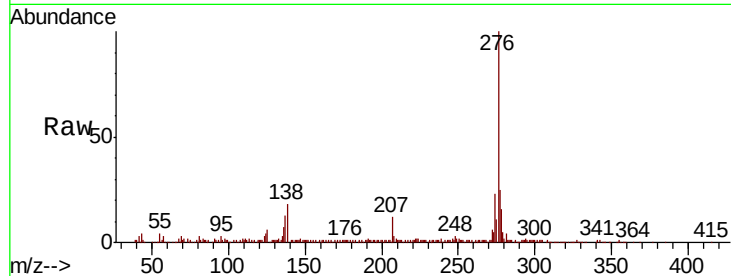
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.659 ng
 RT: 28.17 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: BG046479.D
 Acq: 31 Aug 2020 21:53

Instrument :
 BNA_G
 ClientSampleId :
 LINDEN-JOP-BH-11-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.3	16.5	24.7
277	25.8	20.7	31.1

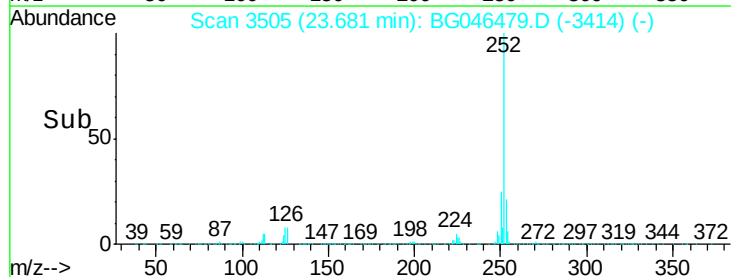
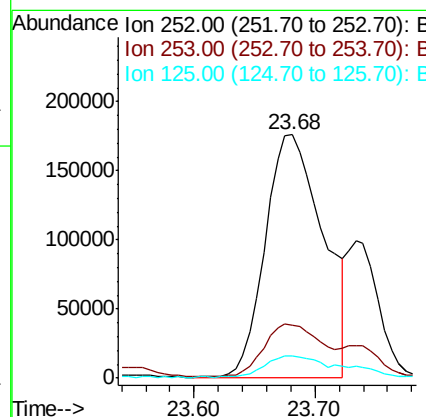
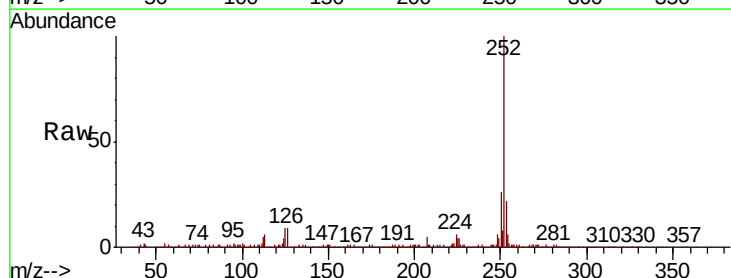
Manual Integrations
 APPROVED

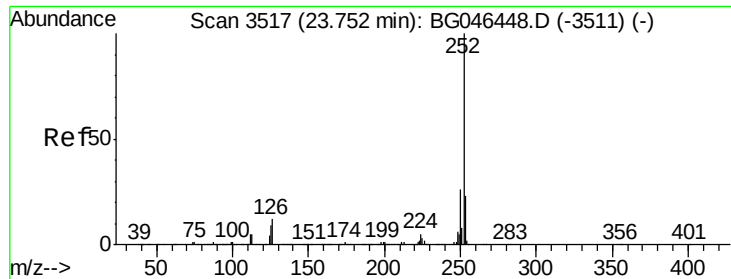
mohammad
 9/1/2020 10:47:47 AM



#88
 Benzo(b)fluoranthene
 Concen: 16.703 ng
 RT: 23.68 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: BG046479.D
 Acq: 31 Aug 2020 21:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.4
125	8.9	6.2	9.2





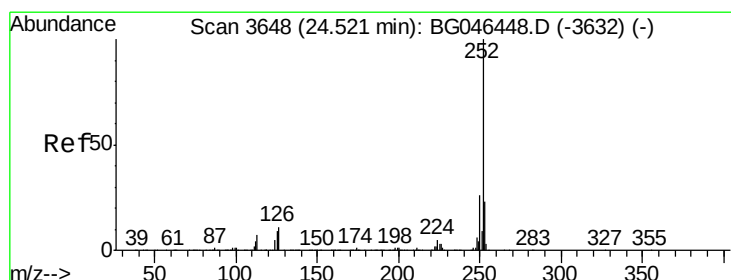
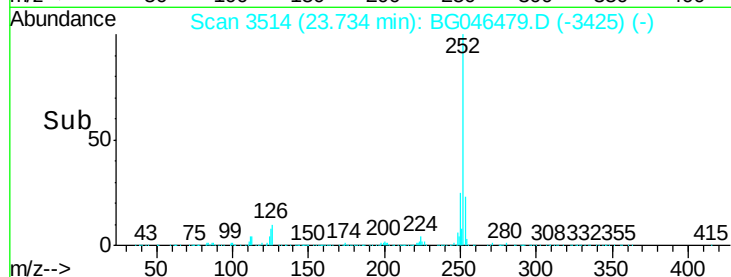
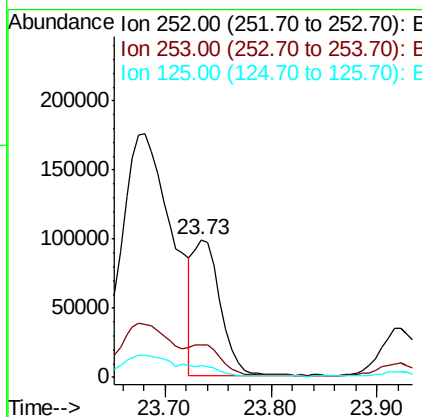
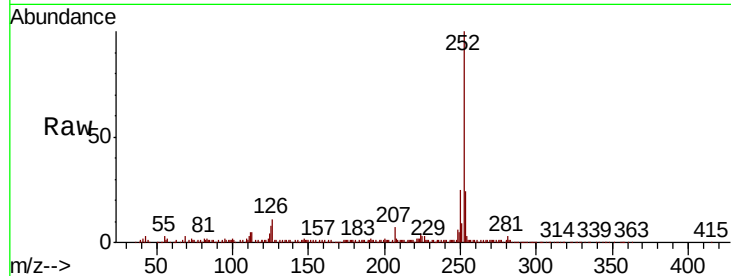
#89
Benzo(k)fluoranthene
Concen: 5.213 ng m
RT: 23.73 min Scan# 3514
Delta R.T. -0.01 min
Lab File: BG046479.D
Acq: 31 Aug 2020 21:53

Instrument :
BNA_G
ClientSampleId :
LINDEN-JOP-BH-11-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.5	27.7
125	8.5	6.8	10.2

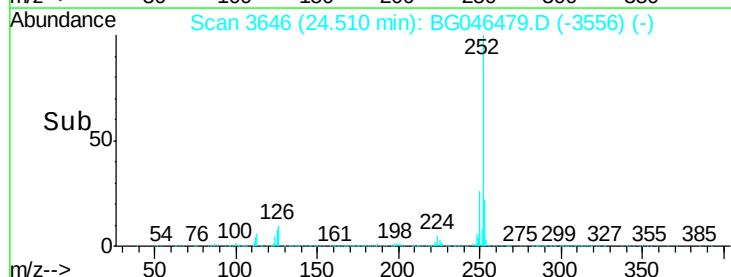
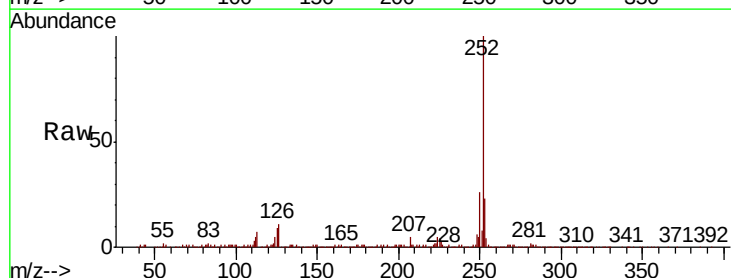
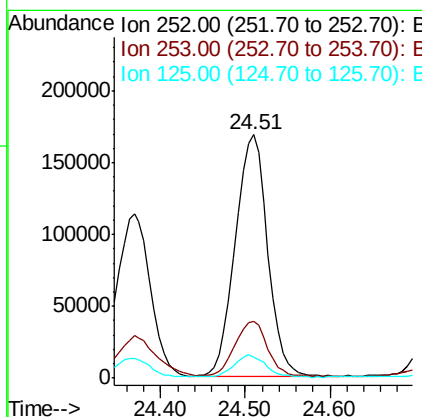
Manual Integrations
APPROVED

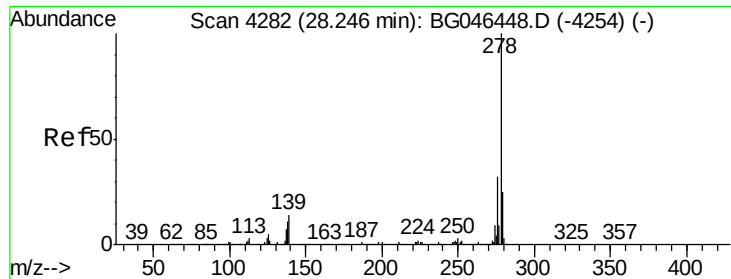
mohammad
9/1/2020 10:47:47 AM



#90
Benzo(a)pyrene
Concen: 13.668 ng
RT: 24.51 min Scan# 3646
Delta R.T. -0.00 min
Lab File: BG046479.D
Acq: 31 Aug 2020 21:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.4
125	8.8	7.4	11.0





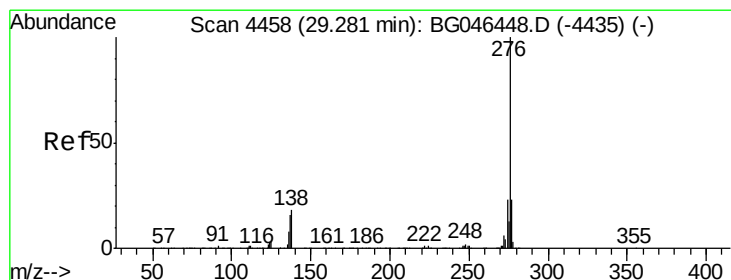
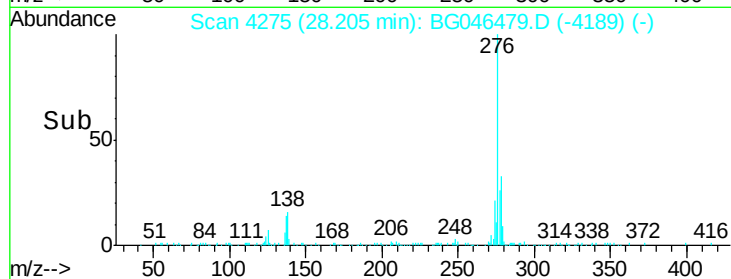
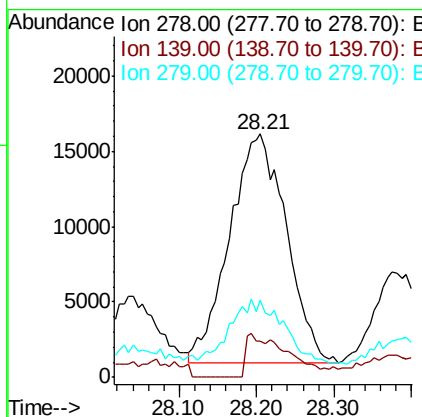
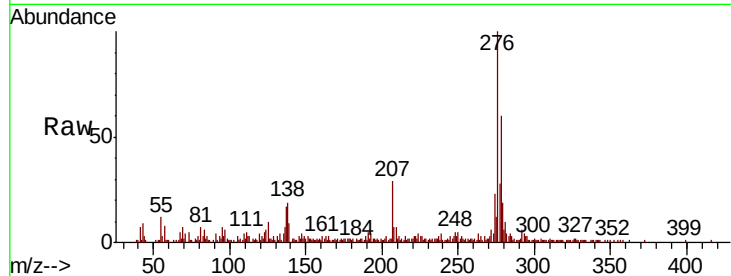
#91
Dibenzo(a,h)anthracene
Concen: 2.397 ng
RT: 28.21 min Scan# 4275
Delta R.T. -0.03 min
Lab File: BG046479.D
Acq: 31 Aug 2020 21:53

Instrument :
BNA_G
ClientSampleId :
LINDEN-JOP-BH-11-A

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.7	11.2	16.8
279	31.5	19.8	29.8

Manual Integrations
APPROVED

mohammad
9/1/2020 10:47:47 AM



#92
Benzo(g,h,i)perylene
Concen: 10.301 ng
RT: 29.26 min Scan# 4454
Delta R.T. -0.01 min
Lab File: BG046479.D
Acq: 31 Aug 2020 21:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.7	28.1
138	16.8	14.7	22.1

