

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011620\
 Data File : BG044070.D
 Acq On : 16 Jan 2020 16:02
 Operator : JU
 Sample : L1126-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BW-1-3.0

Manual Integrations
 APPROVED

mohammad
 1/17/2020 2:08:08 PM

Quant Time: Jan 17 07:21:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	120742	20.00	ng	-0.02
21) Naphthalene-d8	10.74	136	488596	20.00	ng	-0.02
39) Acenaphthene-d10	14.57	164	288065	20.00	ng	-0.02
64) Phenanthrene-d10	17.31	188	567569	20.00	ng	-0.02
76) Chrysene-d12	21.57	240	489033	20.00	ng	-0.02
87) Perylene-d12	24.68	264	557146	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	648166	98.57	ng	-0.01
7) Phenol-d6	7.11	99	888496	96.66	ng	-0.01
23) Nitrobenzene-d5	9.09	82	516068	56.50	ng	-0.03
42) 2,4,6-Tribromophenol	16.06	330	279207	92.62	ng	-0.02
45) 2-Fluorobiphenyl	13.20	172	1063123	66.86	ng	-0.02
79) Terphenyl-d14	19.93	244	1347670	61.26	ng	-0.02
Target Compounds						
10) Phenol	7.14	94	23621	2.494	ng	90
49) Acenaphthylene	14.30	152	51049	2.128	ng	94
50) Dimethylphthalate	14.02	163	119652	5.850	ng	97
71) Phenanthrene	17.35	178	150121	5.514	ng	94
75) Fluoranthene	19.37	202	716942	23.028	ng	94
78) Pyrene	19.73	202	761588	23.858	ng	94
81) Benzo(a)anthracene	21.54	228	562239	18.541	ng	96
83) Chrysene	21.61	228	520245	18.056	ng	95
86) Indeno(1,2,3-cd)pyrene	28.21	276	398365	10.173	ng	96
88) Benzo(b)fluoranthene	23.70	252	765838	23.252	ng	97
89) Benzo(k)fluoranthene	23.76	252	258240m	8.245	ng	
90) Benzo(a)pyrene	24.53	252	583422	18.767	ng	99
91) Dibenzo(a,h)anthracene	28.25	278	99657	3.192	ng	95
92) Benzo(g,h,i)perylene	29.31	276	407731	13.148	ng	98

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

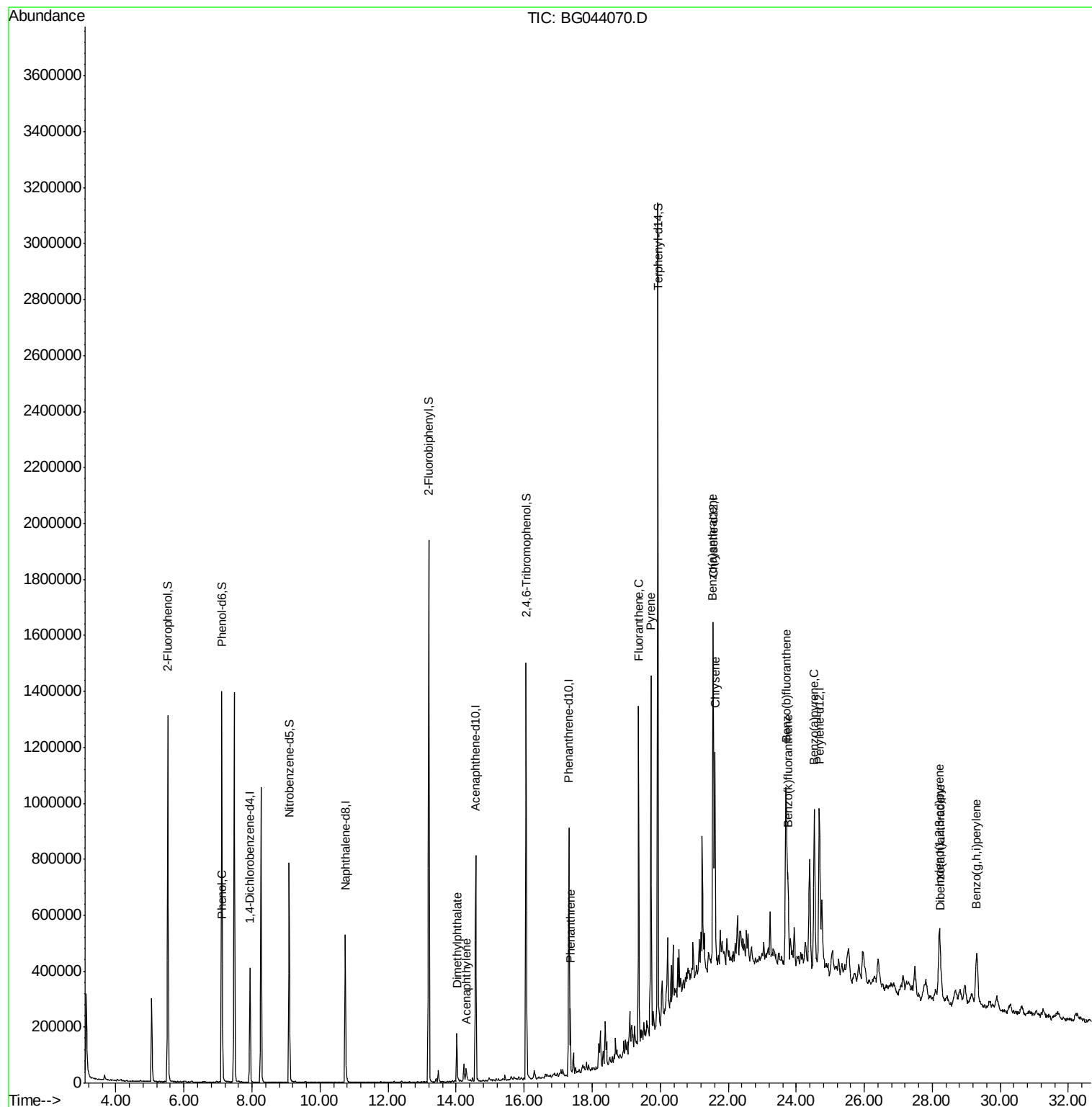
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011620\
Data File : BG044070.D
Acq On : 16 Jan 2020 16:02
Operator : JU
Sample : L1126-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

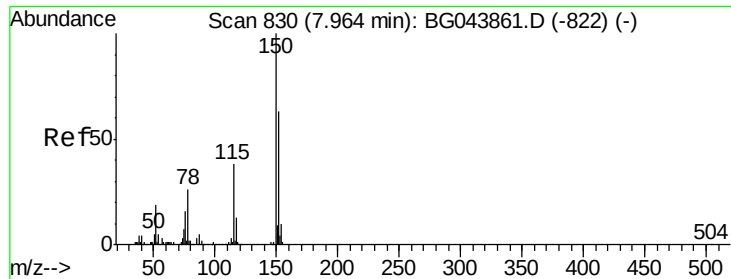
Instrument :
BNA_G
ClientSampleId :
BW-1-3.0

Manual Integrations
APPROVED

mohammad
1/17/2020 2:08:08 PM

Quant Time: Jan 17 07:21:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration





#1

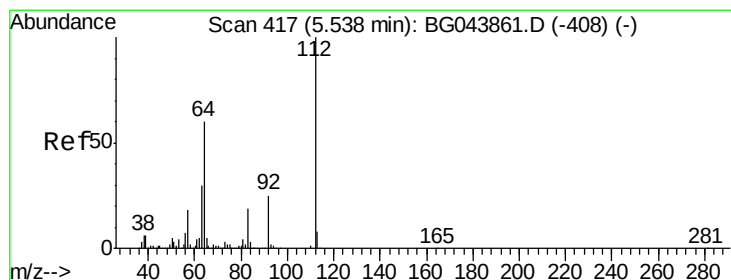
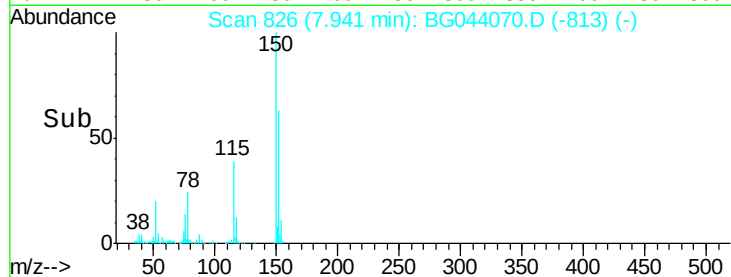
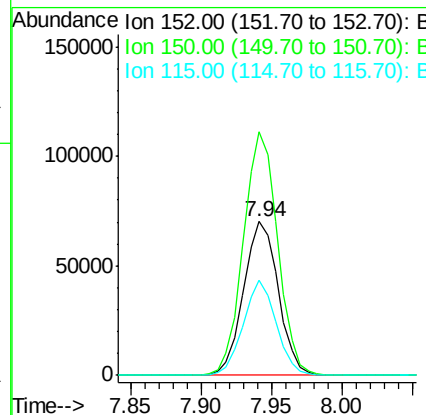
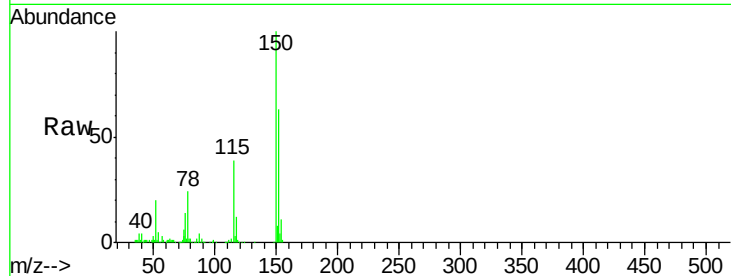
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.94 min Scan# 826
Delta R.T. -0.02 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Instrument :
BNA_G
ClientSampled :
BW-1-3.0

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	127.0	190.4
115	61.5	47.8	71.8

Manual Integrations
APPROVED

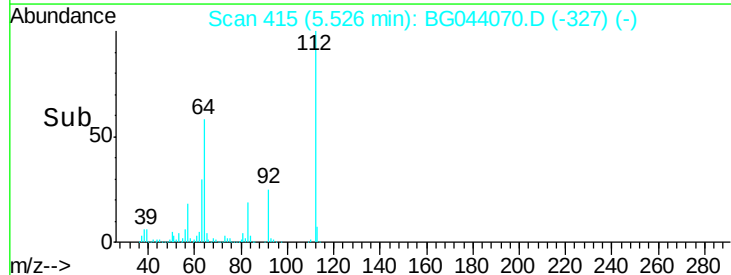
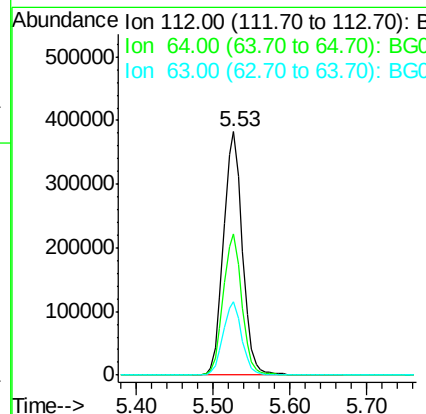
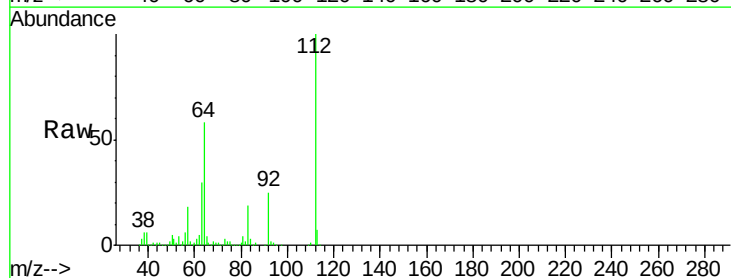
mohammad
1/17/2020 2:08:08 PM

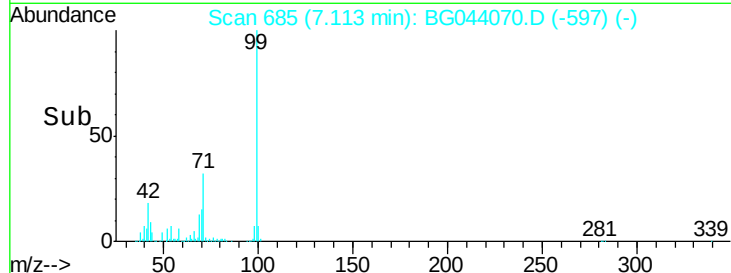
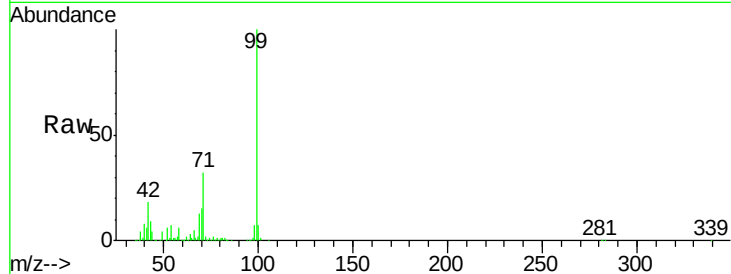
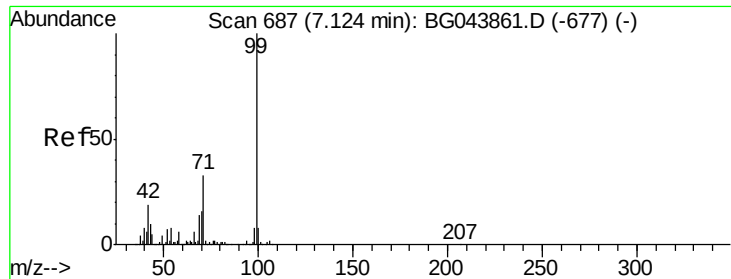


#5

2-Fluorophenol
Concen: 98.566 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.8	71.6
63	30.1	24.3	36.5





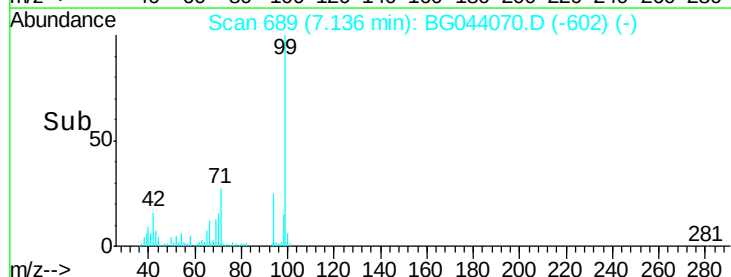
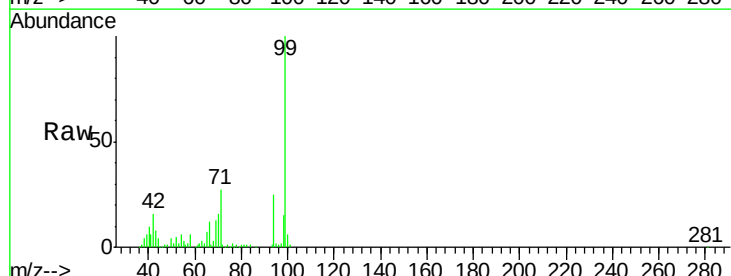
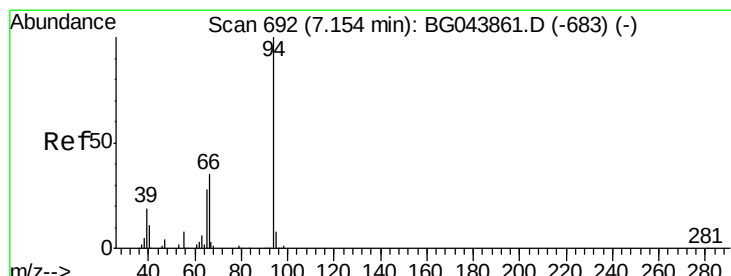
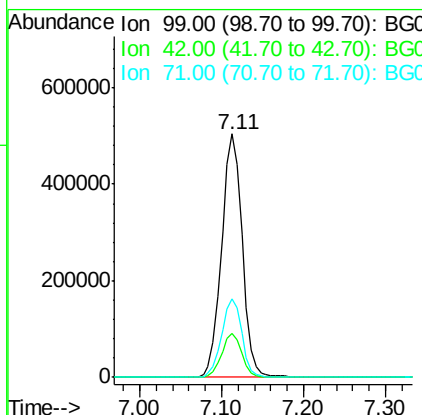
#7
Phenol-d6
Concen: 96.660 ng
RT: 7.11 min Scan# 685
Delta R.T. -0.01 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	99	100	888496		
42	42	18.0		14.9	22.3
71	71	32.0		26.4	39.6

Instrument :
BNA_G
ClientSampleId :
BW-1-3.0

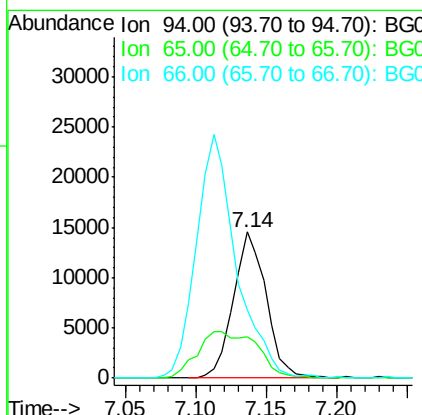
Manual Integrations
APPROVED

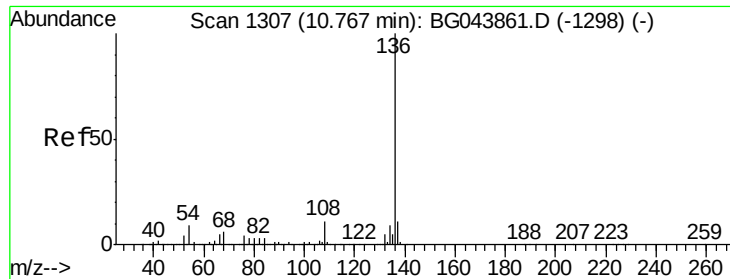
mohammad
1/17/2020 2:08:08 PM



#10
Phenol
Concen: 2.494 ng
RT: 7.14 min Scan# 689
Delta R.T. -0.02 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	94	100	23621		
65	65	28.1		8.1	48.1
66	66	46.5		15.6	55.6





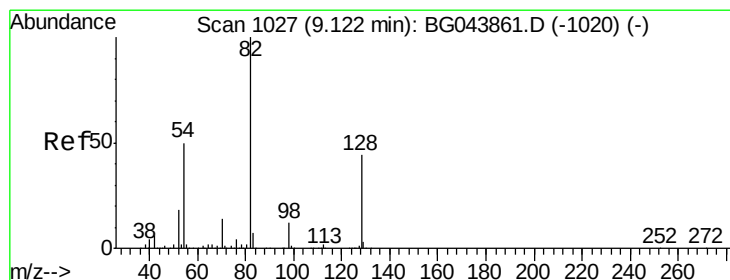
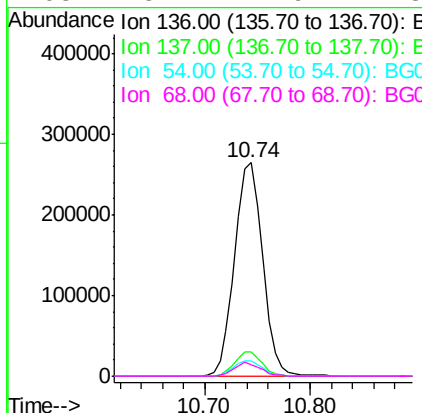
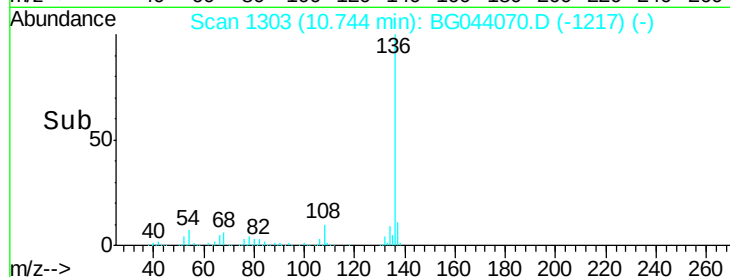
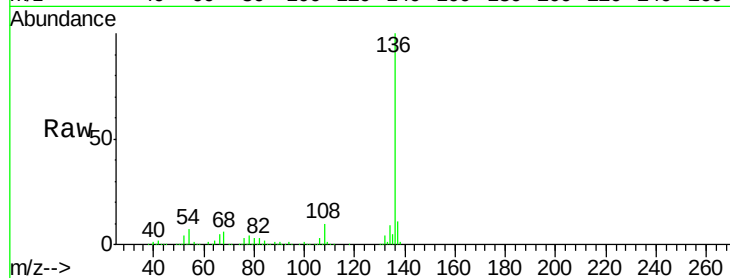
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.74 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Instrument :
BNA_G
ClientSampleId :
BW-1-3.0

Tot Ion	Ratio	Resp	Lower	Upper
136	100	488596		
137	11.2		8.8	13.2
54	7.4		7.0	10.4
68	5.7		4.9	7.3

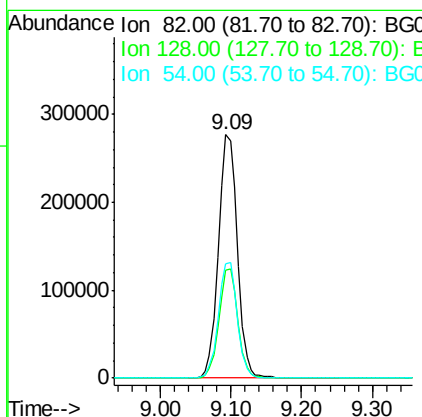
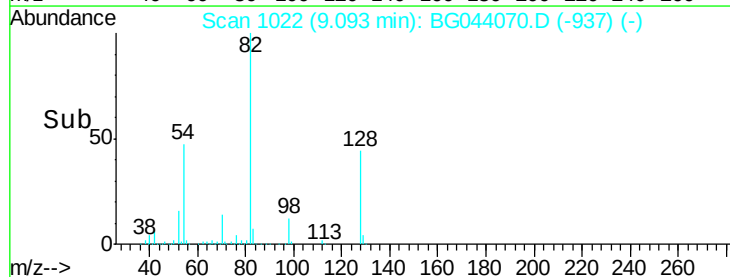
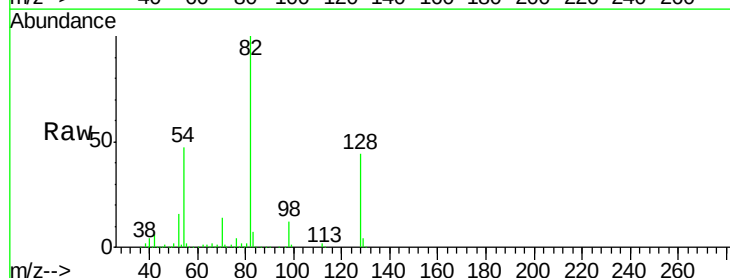
Manual Integrations
APPROVED

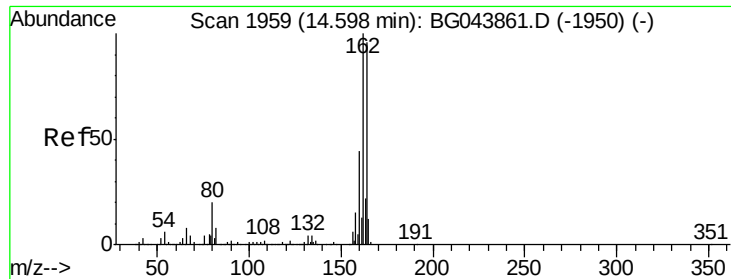
mohammad
1/17/2020 2:08:08 PM



#23
Nitrobenzene-d5
Concen: 56.504 ng
RT: 9.09 min Scan# 1022
Delta R.T. -0.03 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	516068		
128	44.5		35.1	52.7
54	47.0		40.1	60.1





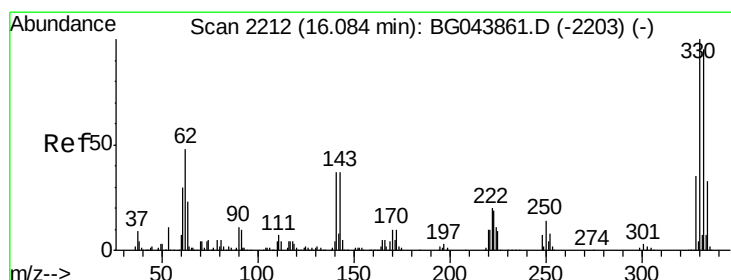
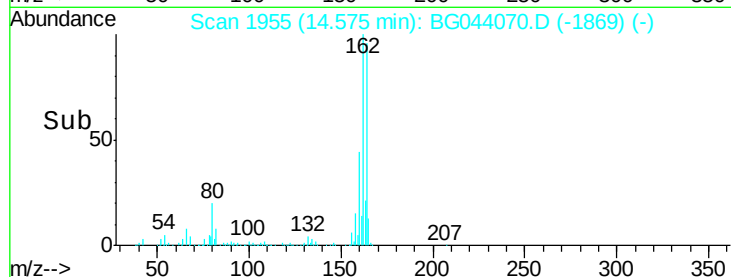
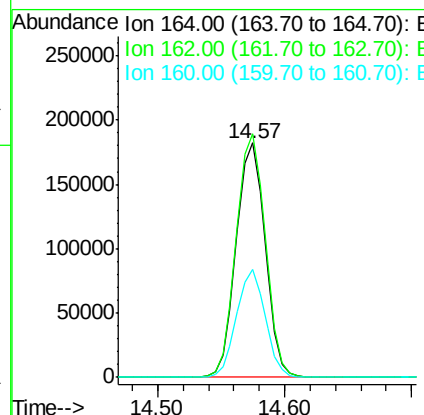
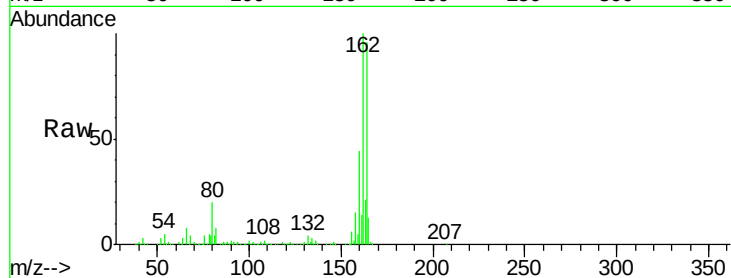
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.57 min Scan# 1955
Delta R.T. -0.02 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Instrument :
BNA_G
ClientSampleId :
BW-1-3.0

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.0	83.0	124.4	
160	46.0	36.1	54.1	

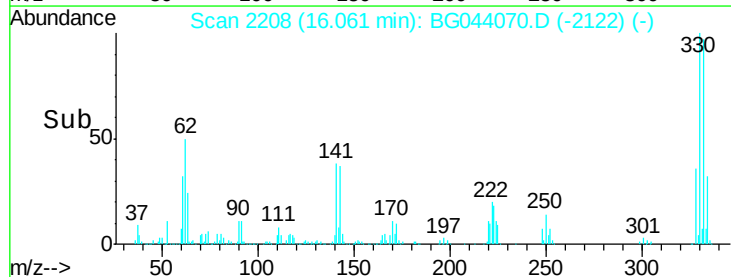
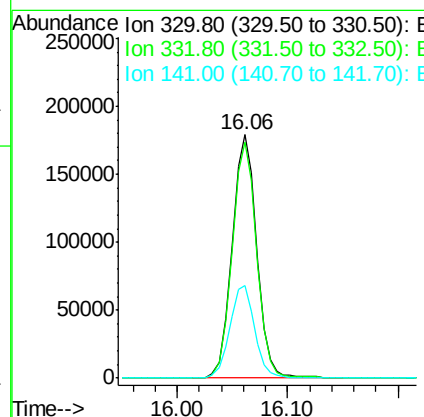
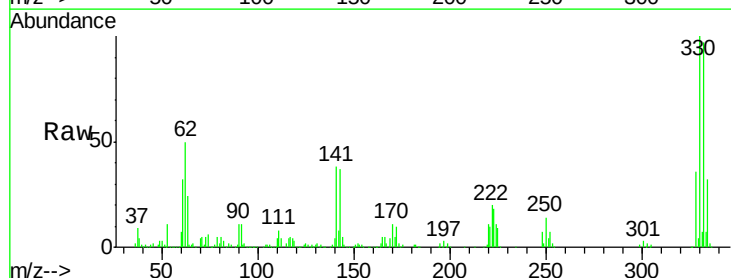
Manual Integrations
APPROVED

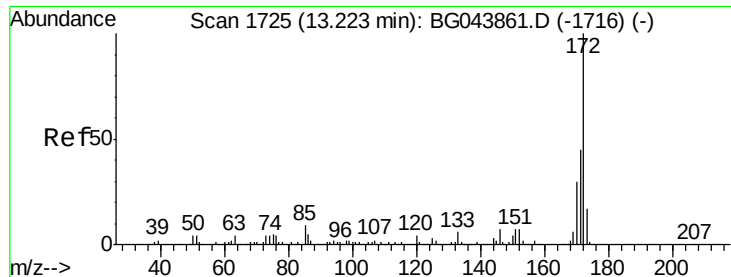
mohammad
1/17/2020 2:08:08 PM



#42
2,4,6-Tribromophenol
Concen: 92.620 ng
RT: 16.06 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	77.2	115.8	
141	38.9	33.1	49.7	





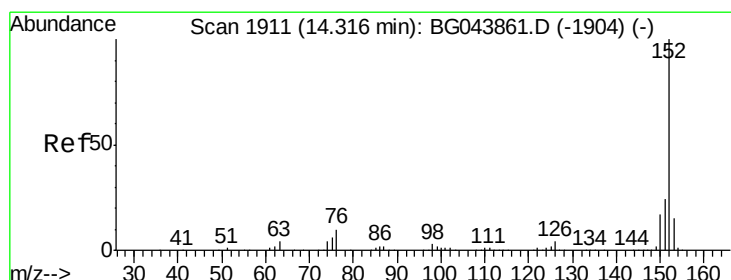
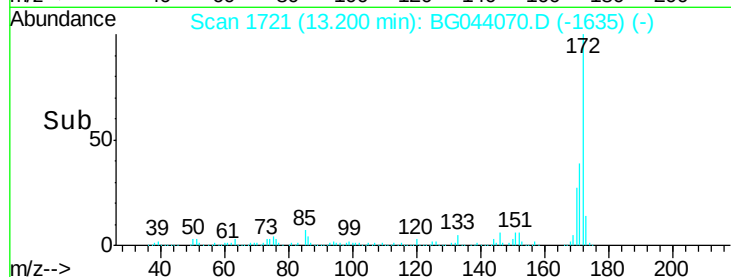
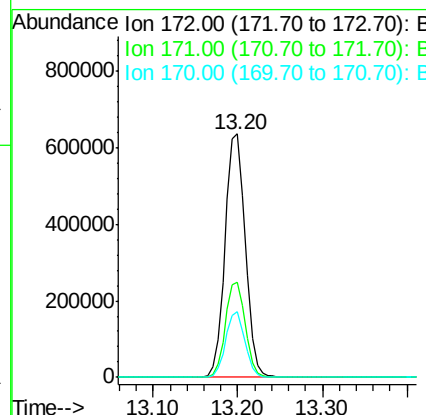
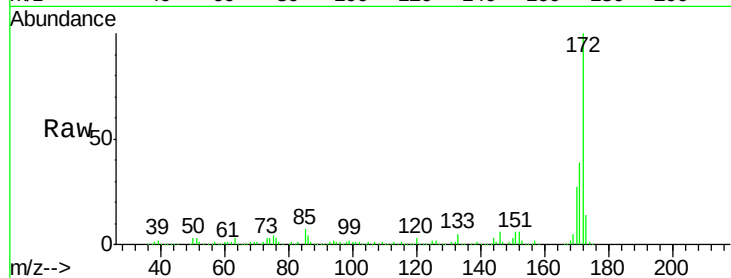
#45
2-Fluorobiphenyl
Concen: 66.865 ng
RT: 13.20 min Scan# 1721
Delta R.T. -0.02 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Instrument :
BNA_G
ClientSampleId :
BW-1-3.0

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.0	35.8	53.8
170	26.7	24.2	36.4

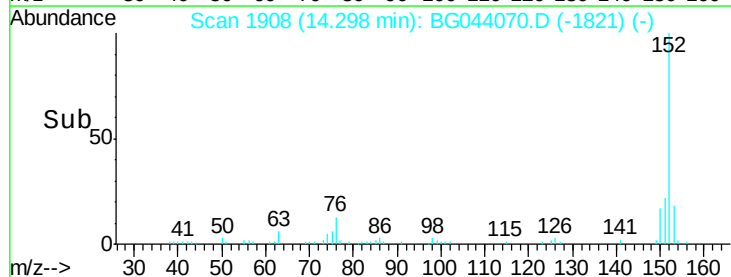
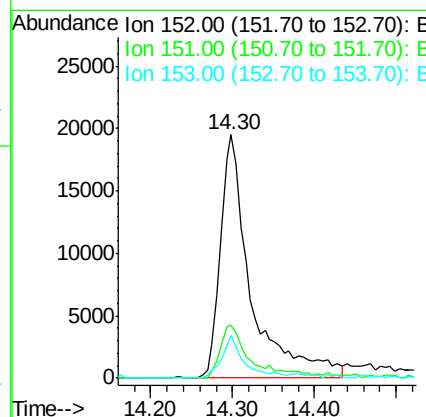
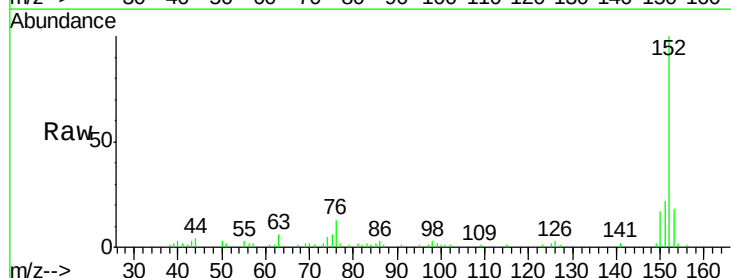
Manual Integrations
APPROVED

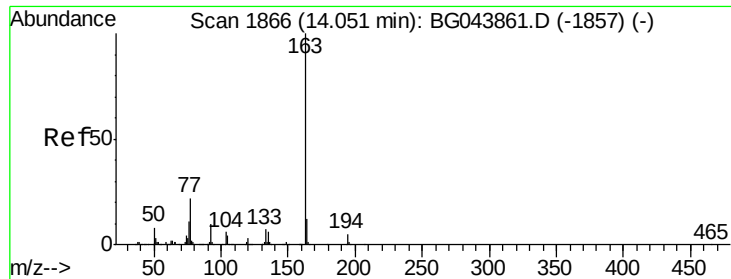
mohammad
1/17/2020 2:08:08 PM



#49
Acenaphthylene
Concen: 2.128 ng
RT: 14.30 min Scan# 1908
Delta R.T. -0.02 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.8	19.4	29.2
153	17.6	12.0	18.0





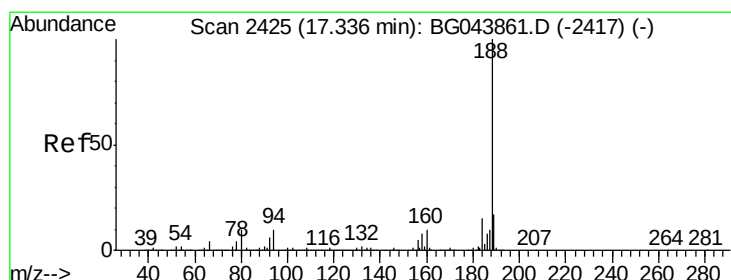
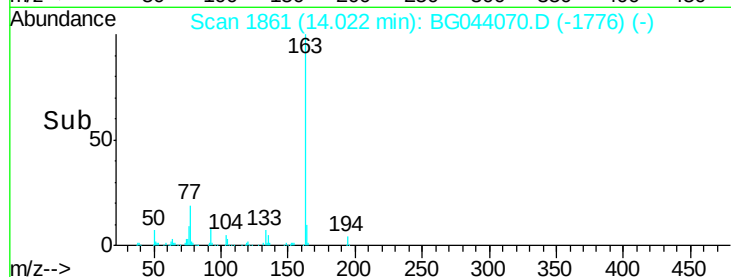
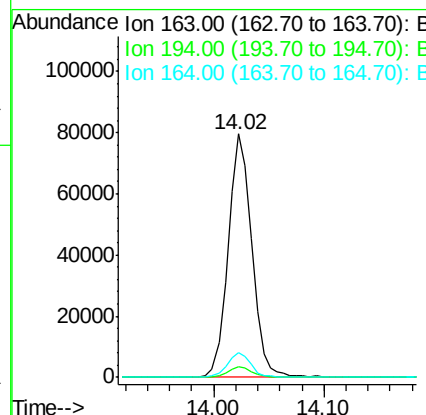
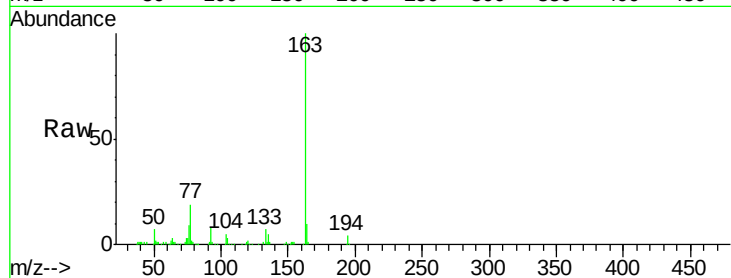
#50
Dimethylphthalate
Concen: 5.850 ng
RT: 14.02 min Scan# 1861
Delta R.T. -0.03 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Instrument :
BNA_G
ClientSampled :
BW-1-3.0

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.7	5.5
164	10.3	9.3	13.9

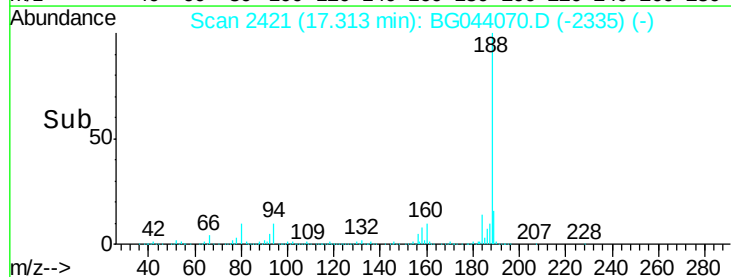
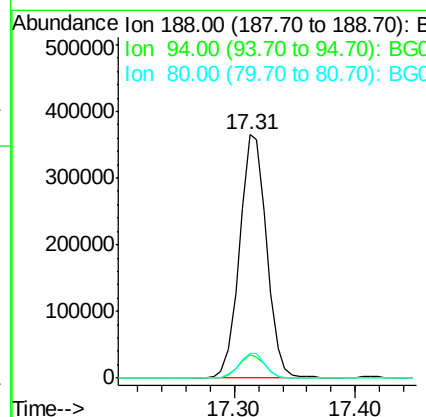
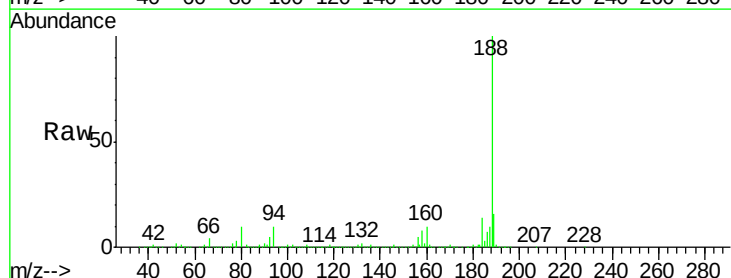
Manual Integrations
APPROVED

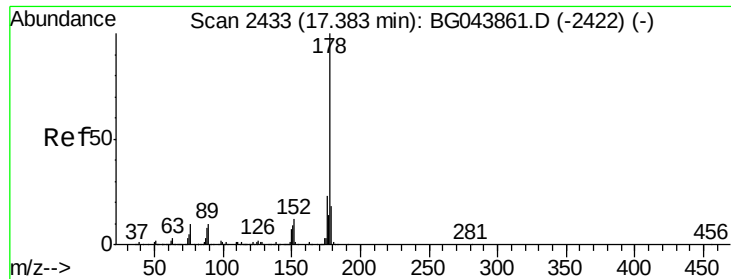
mohammad
1/17/2020 2:08:08 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.31 min Scan# 2421
Delta R.T. -0.02 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.9	11.9
80	10.2	8.2	12.4





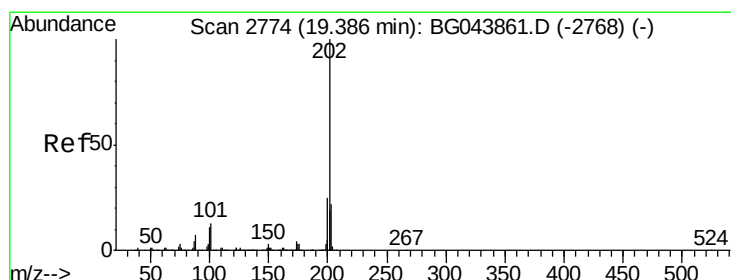
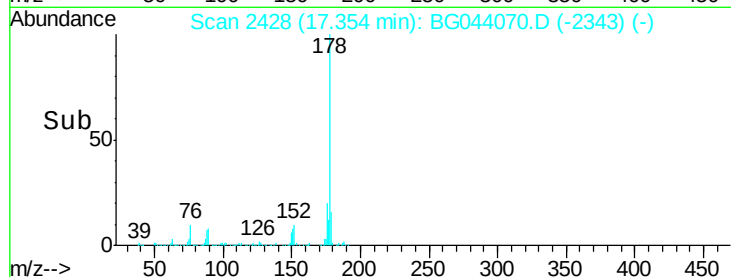
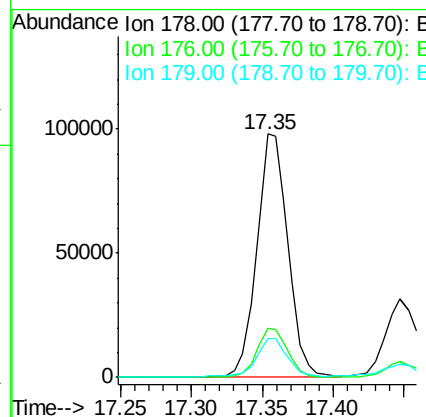
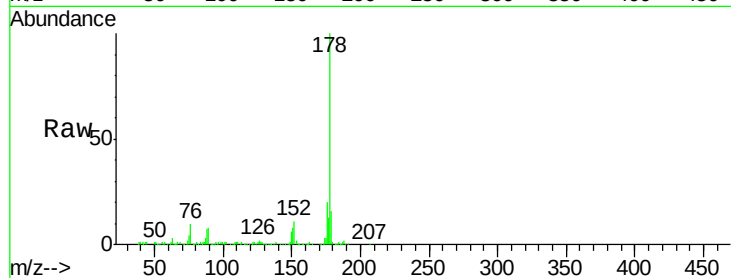
#71
Phenanthrene
Concen: 5.514 ng
RT: 17.35 min Scan# 2428
Delta R.T. -0.03 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Instrument :
BNA_G
ClientSampleId :
BW-1-3.0

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	18.6	28.0
179	15.9	14.4	21.6

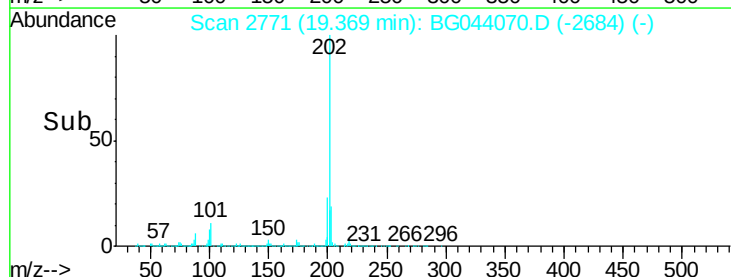
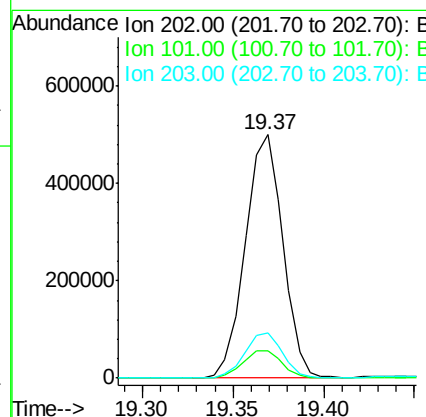
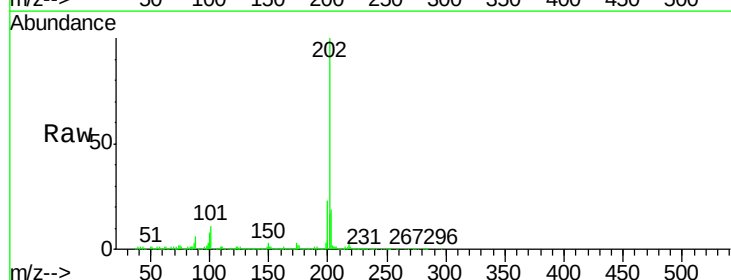
Manual Integrations
APPROVED

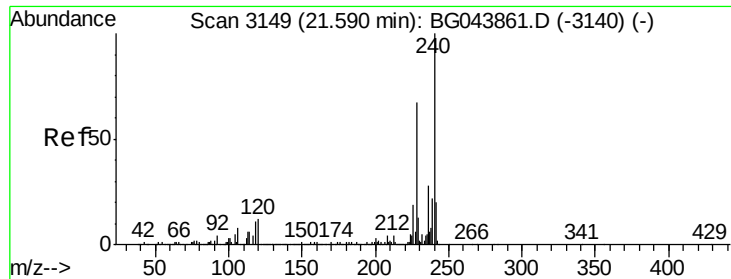
mohammad
1/17/2020 2:08:08 PM



#75
Fluoranthene
Concen: 23.028 ng
RT: 19.37 min Scan# 2771
Delta R.T. -0.02 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	33.3
203	18.7	1.6	41.6





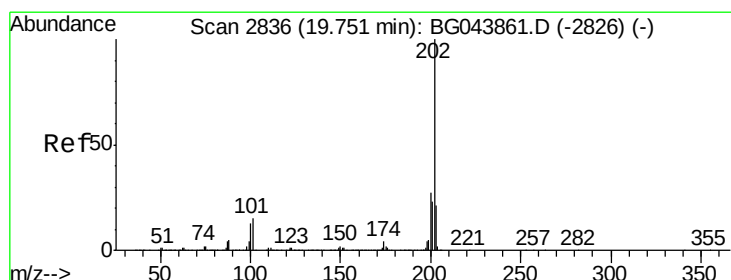
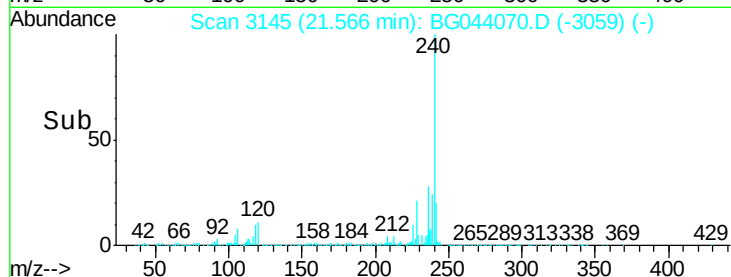
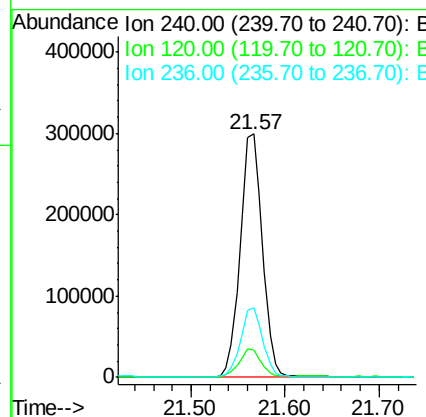
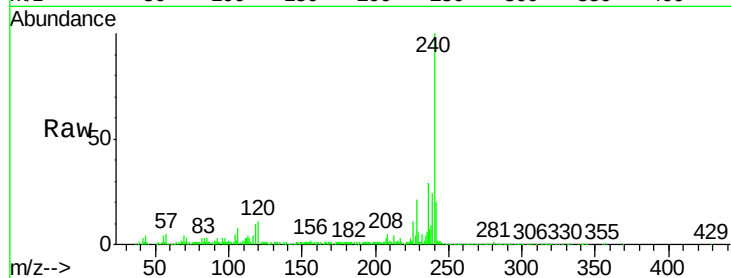
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3145
Delta R.T. -0.02 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Instrument :
BNA_G
ClientSampleId :
BW-1-3.0

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.6	14.4
236	28.8	22.2	33.2

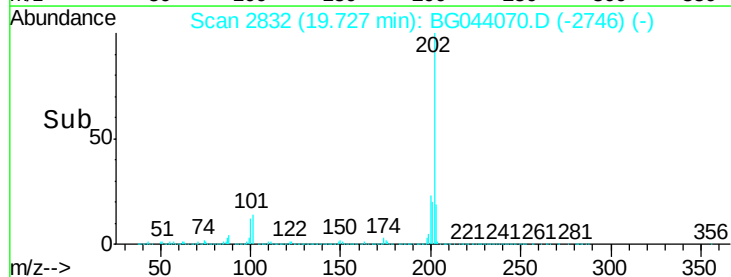
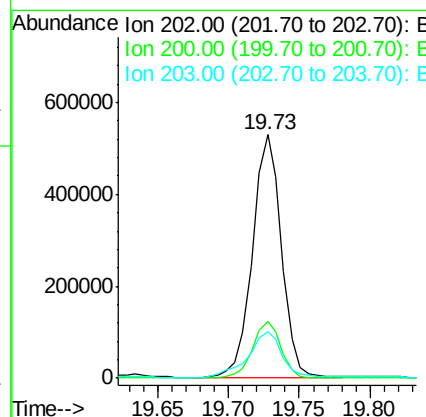
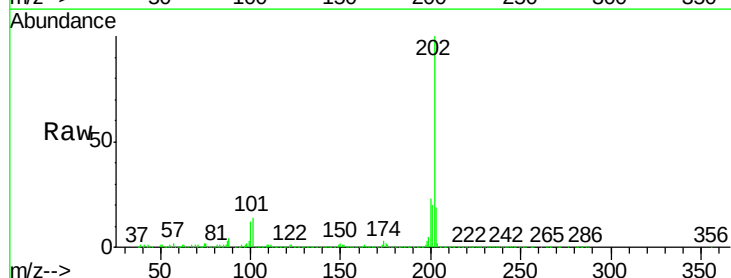
Manual Integrations
APPROVED

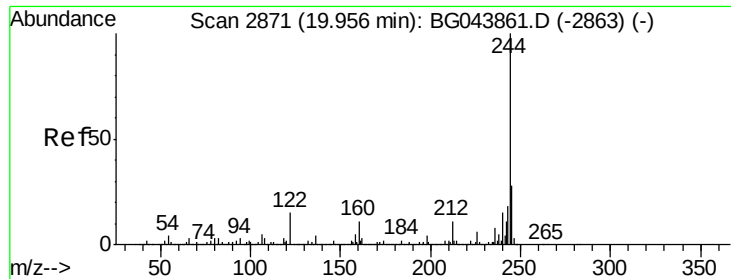
mohammad
1/17/2020 2:08:08 PM



#78
Pyrene
Concen: 23.858 ng
RT: 19.73 min Scan# 2832
Delta R.T. -0.02 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.1	21.7	32.5
203	19.3	17.0	25.6





#79

Terphenyl-d14

Concen: 61.257 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.02 min

Lab File: BG044070.D

Acq: 16 Jan 2020 16:02

Instrument :

BNA_G

ClientSampled :

BW-1-3.0

Tot Ion:244 Resp: 1347670

Ion Ratio Lower Upper

244 100

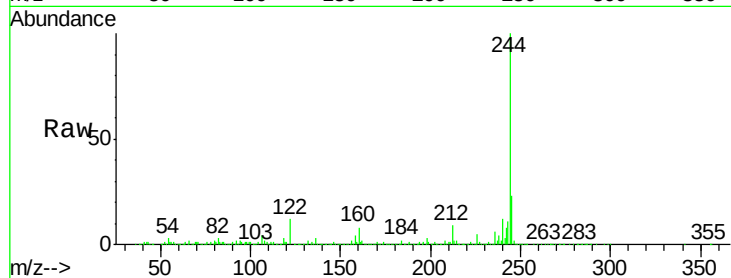
212 8.9 8.6 13.0

122 11.8 11.9 17.9#

Manual Integrations
APPROVED

mohammad

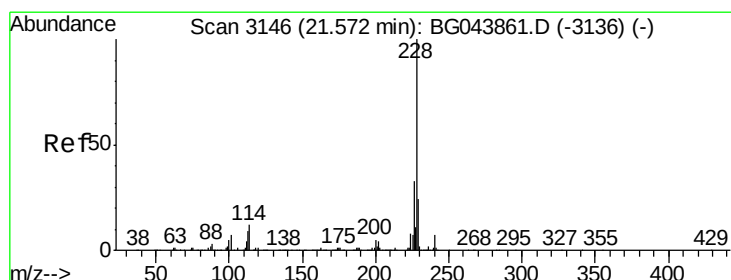
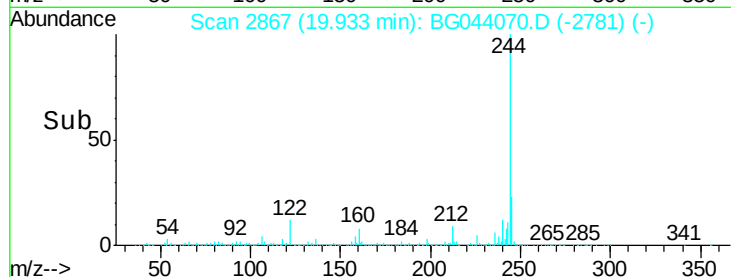
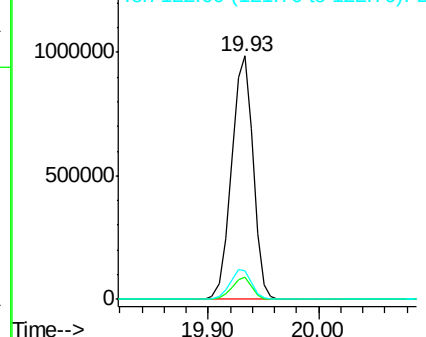
1/17/2020 2:08:08 PM



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: 18.541 ng

RT: 21.54 min Scan# 3141

Delta R.T. -0.03 min

Lab File: BG044070.D

Acq: 16 Jan 2020 16:02

Tgt Ion:228 Resp: 562239

Ion Ratio Lower Upper

228 100

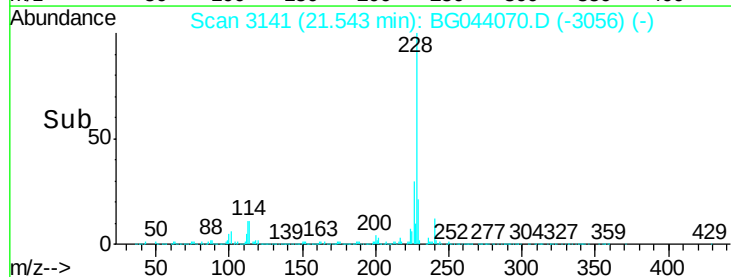
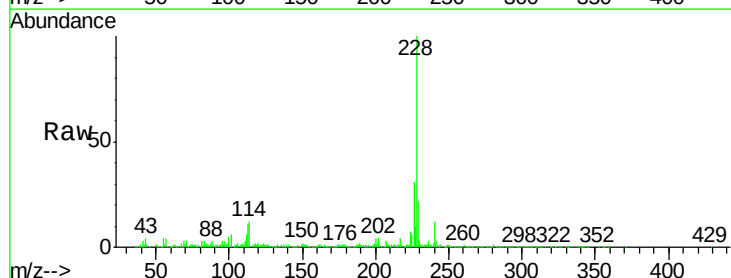
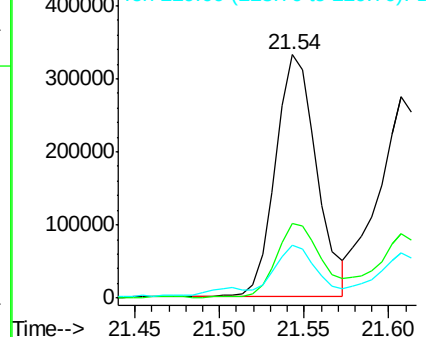
226 30.7 26.2 39.4

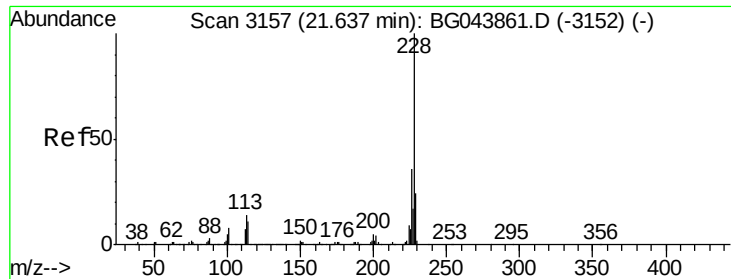
229 21.9 18.9 28.3

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





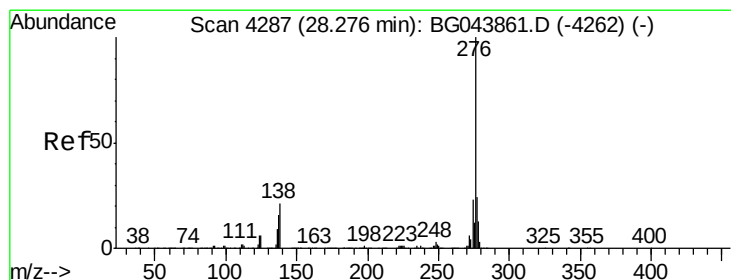
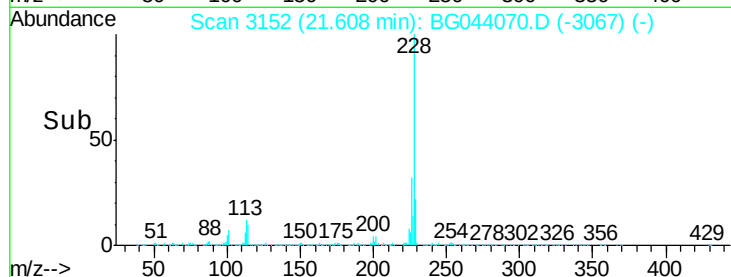
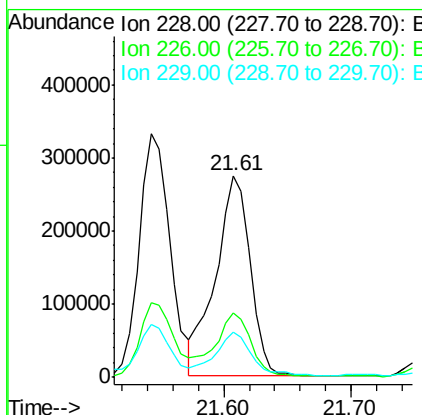
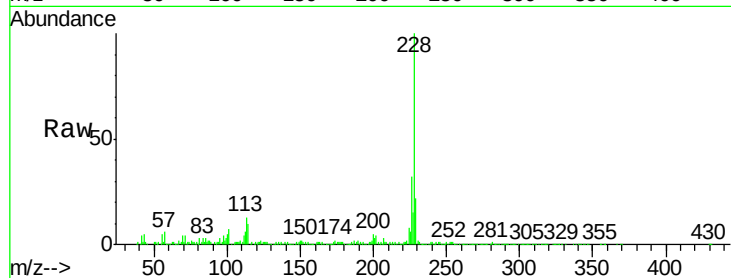
#83
Chrysene
Concen: 18.056 ng
RT: 21.61 min Scan# 3152
Delta R.T. -0.03 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Instrument :
BNA_G
ClientSampleId :
BW-1-3.0

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	28.8	43.2
229	22.2	19.0	28.6

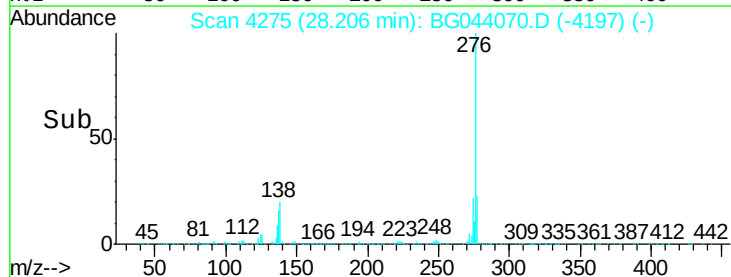
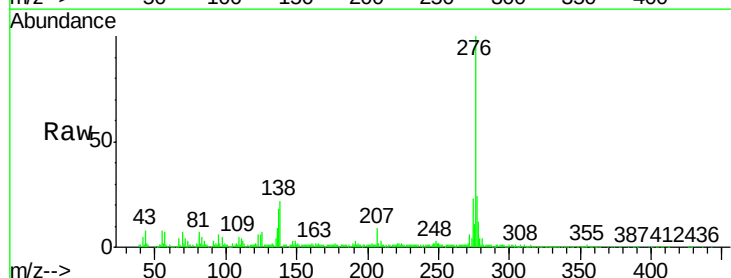
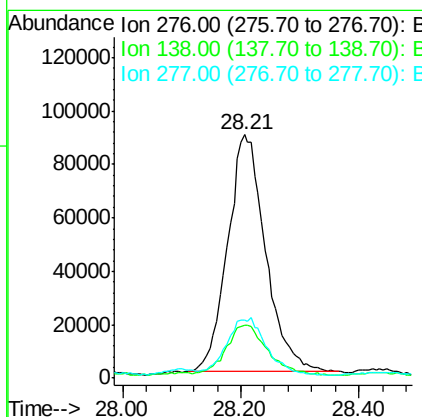
Manual Integrations
APPROVED

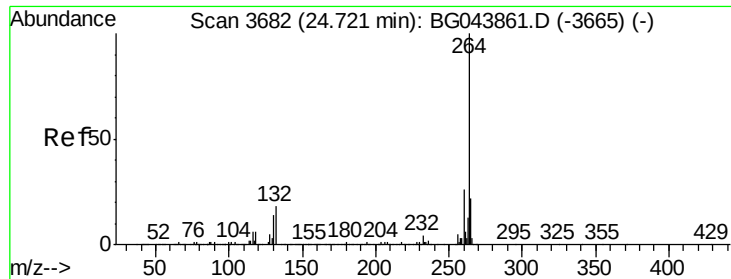
mohammad
1/17/2020 2:08:08 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 10.173 ng
RT: 28.21 min Scan# 4275
Delta R.T. -0.07 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	21.0	31.4
277	25.7	21.1	31.7





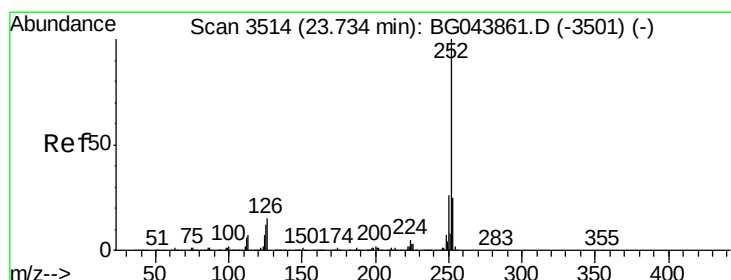
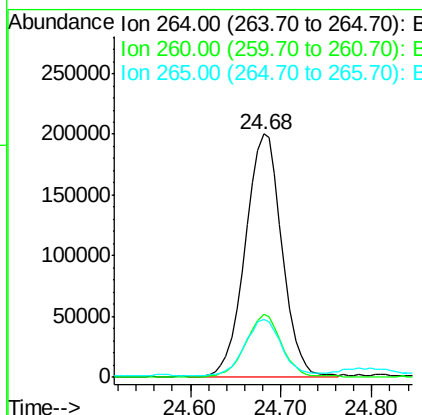
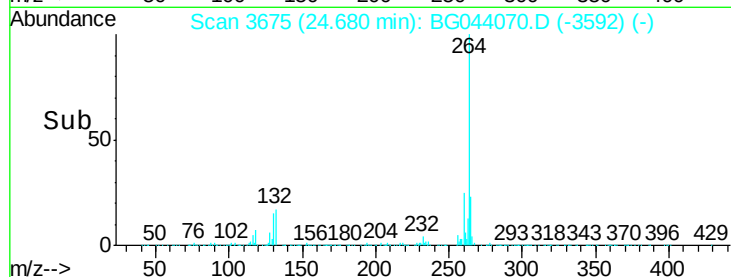
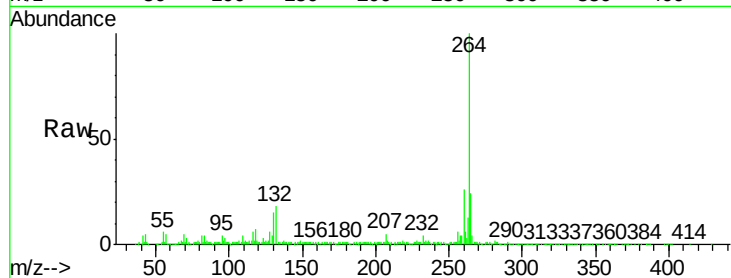
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.68 min Scan# 3675
Delta R.T. -0.04 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Instrument :
BNA_G
ClientSampleId :
BW-1-3.0

Tot Ion:	264	Resp:	557146
Ion Ratio	Lower	Upper	
264	100		
260	25.9	20.4	30.6
265	23.6	17.4	26.2

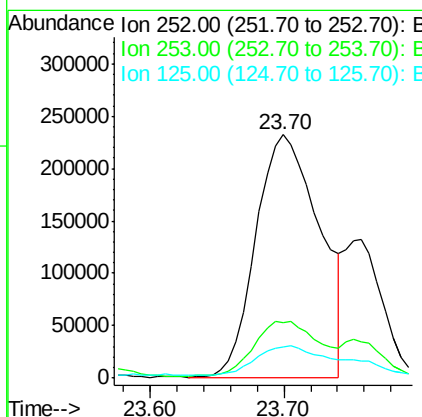
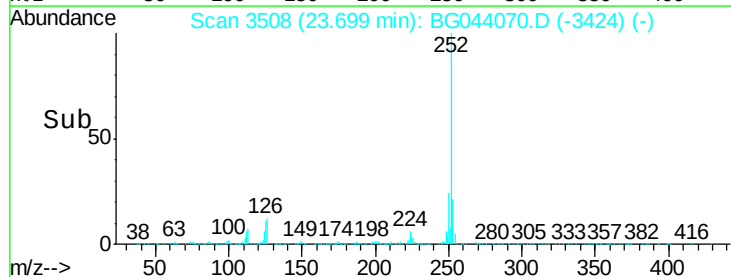
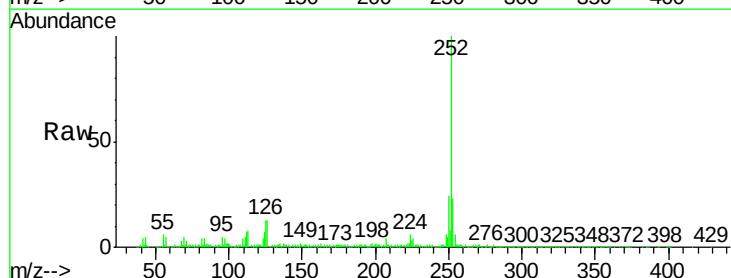
Manual Integrations
APPROVED

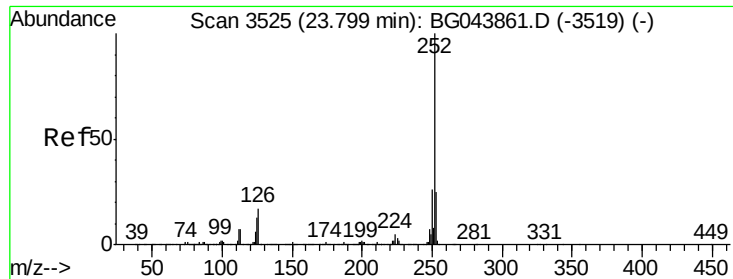
mohammad
1/17/2020 2:08:08 PM



#88
Benzo(b)fluoranthene
Concen: 23.252 ng
RT: 23.70 min Scan# 3508
Delta R.T. -0.04 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Tgt Ion:	252	Resp:	765838
Ion Ratio	Lower	Upper	
252	100		
253	23.0	19.7	29.5
125	12.7	9.4	14.2





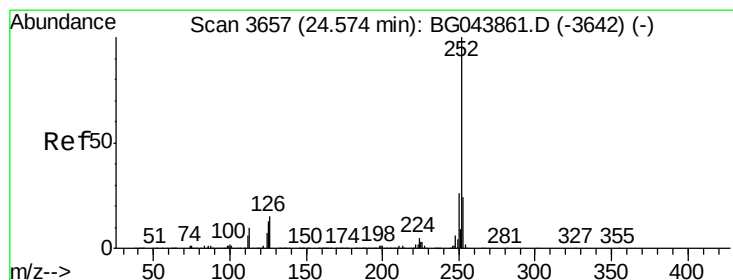
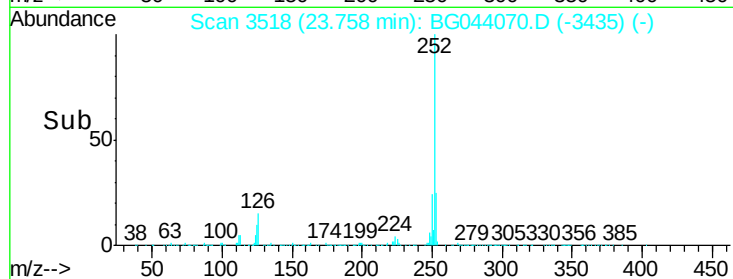
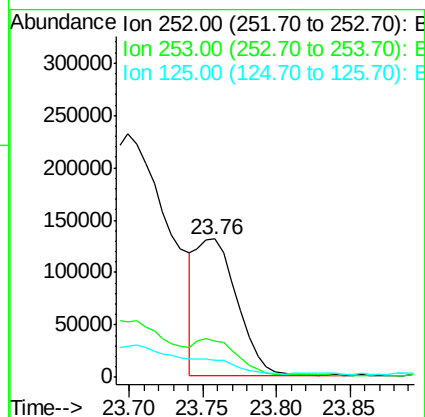
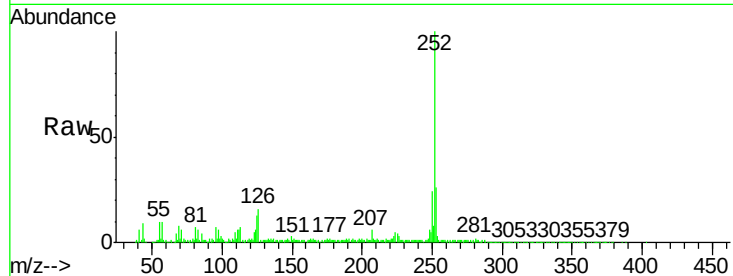
#89
Benzo(k)fluoranthene
Concen: 8.245 ng m
RT: 23.76 min Scan# 3518
Delta R.T. -0.04 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Instrument :
BNA_G
ClientSampleId :
BW-1-3.0

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	19.4	29.2
125	12.6	9.9	14.9

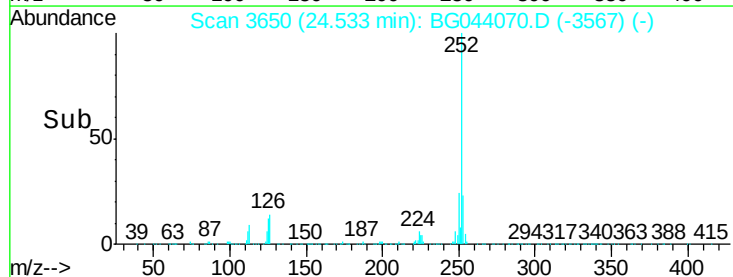
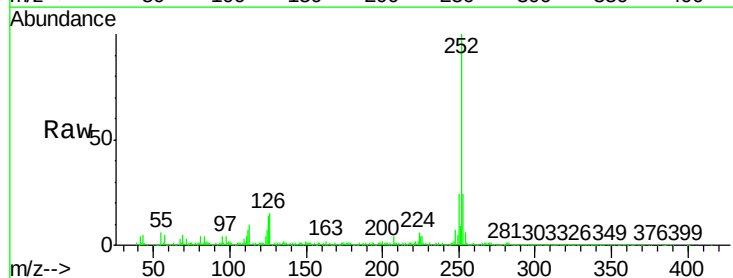
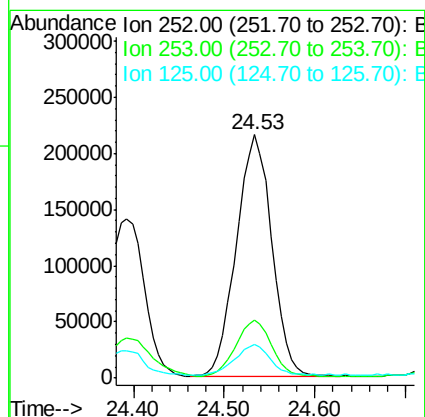
Manual Integrations
APPROVED

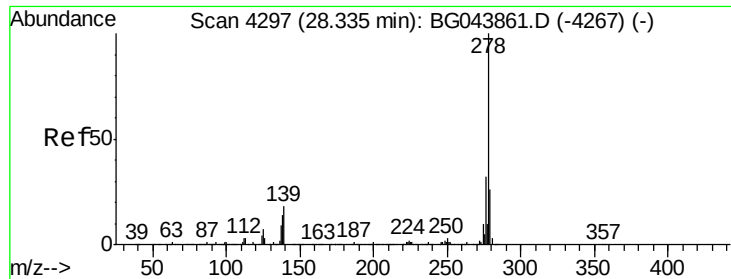
mohammad
1/17/2020 2:08:08 PM



#90
Benzo(a)pyrene
Concen: 18.767 ng
RT: 24.53 min Scan# 3650
Delta R.T. -0.04 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.3	28.9
125	13.7	10.4	15.6





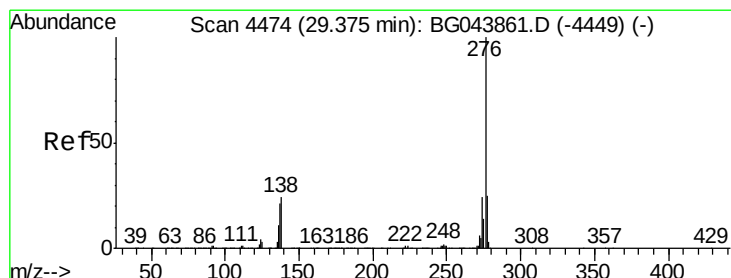
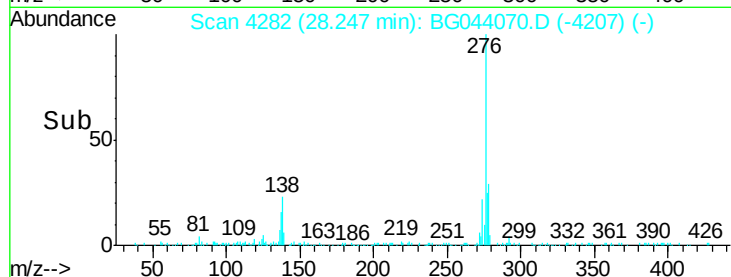
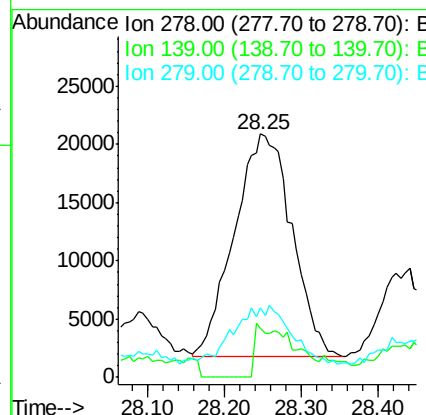
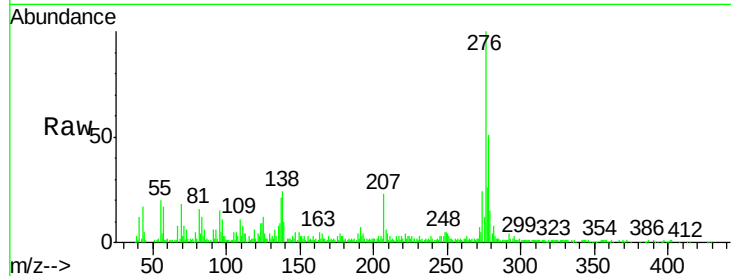
#91
Dibenzo(a,h)anthracene
Concen: 3.192 ng
RT: 28.25 min Scan# 4282
Delta R.T. -0.09 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Instrument :
BNA_G
ClientSampled :
BW-1-3.0

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.9	14.2	21.4
279	28.6	20.6	30.8

Manual Integrations
APPROVED

mohammad
1/17/2020 2:08:08 PM



#92
Benzo(g,h,i)perylene
Concen: 13.148 ng
RT: 29.31 min Scan# 4463
Delta R.T. -0.06 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	20.2	30.4
138	22.5	19.0	28.6

