

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
 Data File : BG044044.D
 Acq On : 14 Jan 2020 20:05
 Operator : JU
 Sample : L1108-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 INWOOD-BH-03-A

Manual Integrations
 APPROVED

mohammad
 1/16/2020 1:42:01 PM

Quant Time: Jan 14 23:55:56 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	7.95	152	131570	20.00	ng	-0.02
21) Naphthalene-d8	10.75	136	554117	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	337869	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	660101	20.00	ng	-0.01
76) Chrysene-d12	21.58	240	550800	20.00	ng	-0.01
87) Perylene-d12	24.77	264	625171	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	797693	111.32	ng	0.00
7) Phenol-d6	7.12	99	1108197	110.64	ng	0.00
23) Nitrobenzene-d5	9.10	82	648581	62.62	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	366760	103.73	ng	-0.02
45) 2-Fluorobiphenyl	13.20	172	1370464	73.49	ng	-0.02
79) Terphenyl-d14	19.94	244	1641027	67.87	ng	-0.02
Target Compounds						
10) Phenol	7.15	94	42670	4.135	ng	91
50) Dimethylphthalate	14.03	163	177479	7.398	ng	97
71) Phenanthrene	17.36	178	89245	2.819	ng	94
75) Fluoranthene	19.37	202	320481	8.851	ng	93
78) Pyrene	19.73	202	302507m	8.414	ng	
81) Benzo(a)anthracene	21.56	228	183615	5.376	ng	94
83) Chrysene	21.62	228	160043	4.932	ng	95
86) Indeno(1,2,3-cd)pyrene	28.45	276	111859	2.536	ng	# 69
88) Benzo(b)fluoranthene	23.75	252	236125m	6.389	ng	
89) Benzo(k)fluoranthene	23.80	252	76972m	2.190	ng	
90) Benzo(a)pyrene	24.62	252	168564	4.832	ng	98
92) Benzo(a,h,i)perylene	29.62	276	103479	2.974	ng	94

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

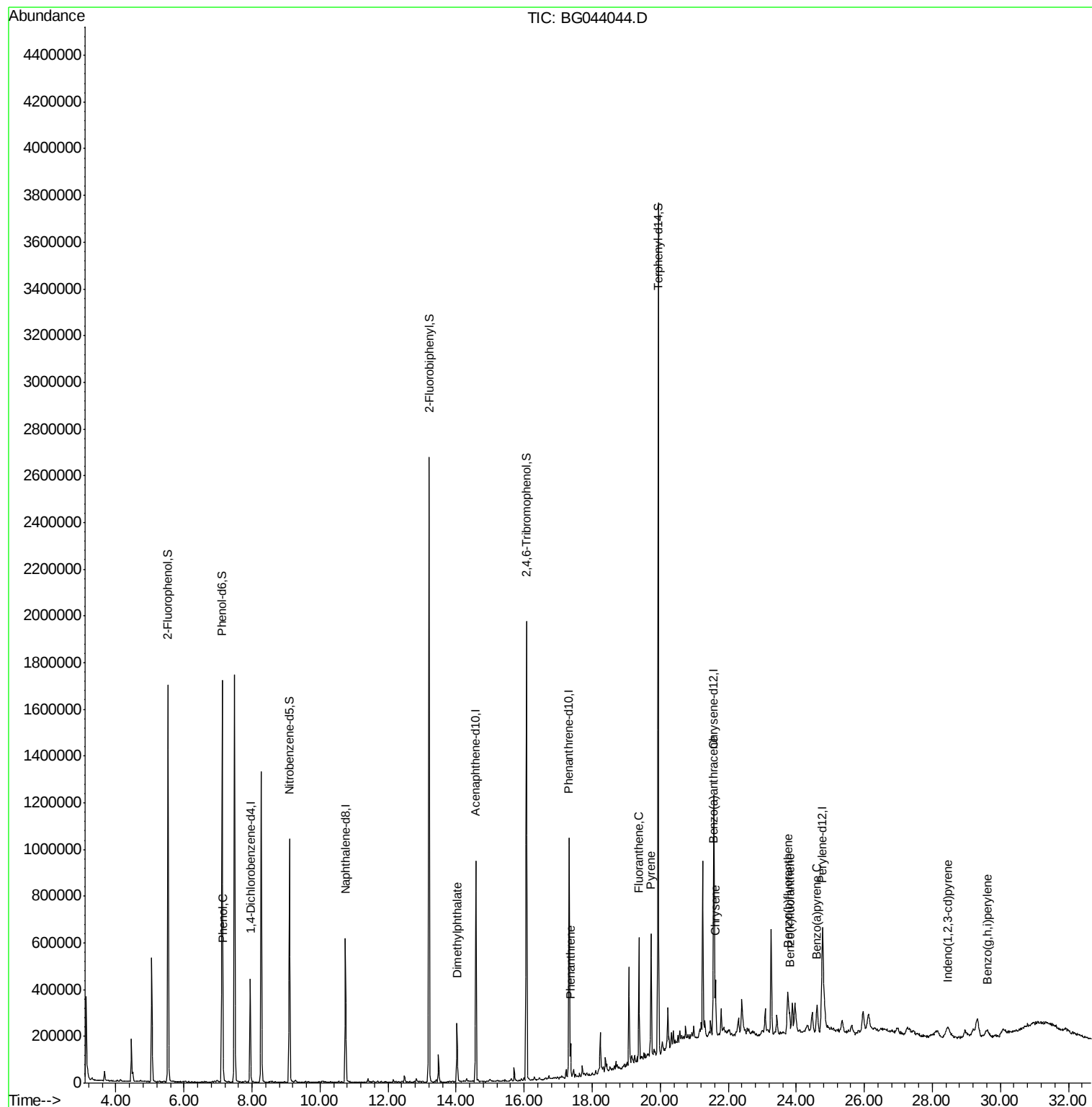
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
Data File : BG044044.D
Acq On : 14 Jan 2020 20:05
Operator : JU
Sample : L1108-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
INWOOD-BH-03-A

Manual Integrations
APPROVED

mohammad
1/16/2020 1:42:01 PM

Quant Time: Jan 14 23:55:56 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

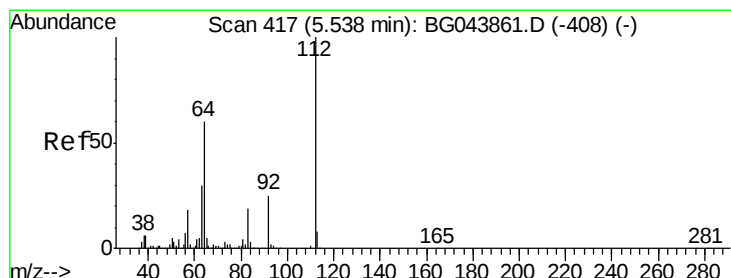
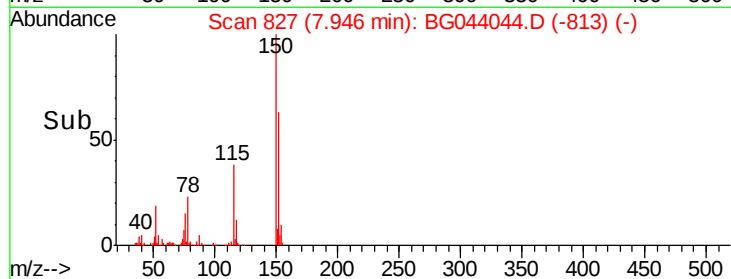
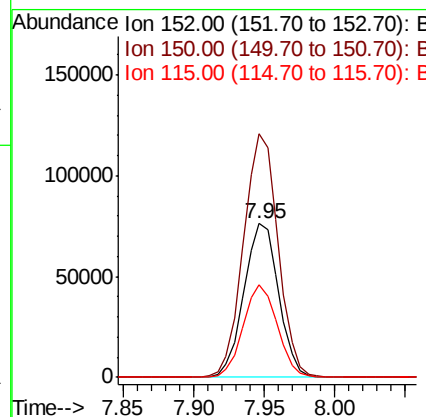
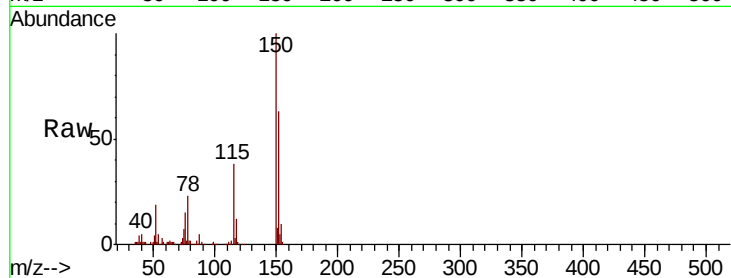
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.02 min
Lab File: BG044044.D
Acq: 14 Jan 2020 20:05

Instrument :
BNA_G
ClientSampleId :
INWOOD-BH-03-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	127.0	190.4
115	60.5	47.8	71.8

Manual Integrations
APPROVED

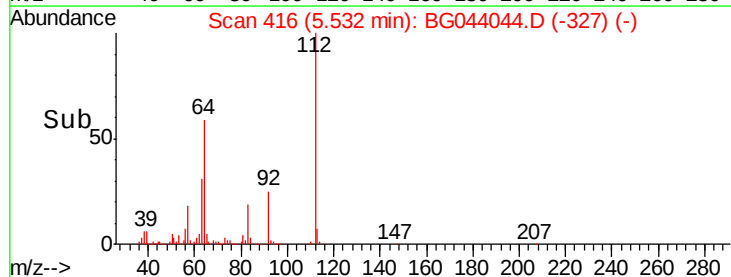
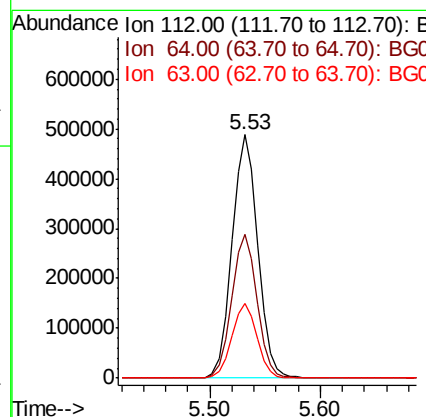
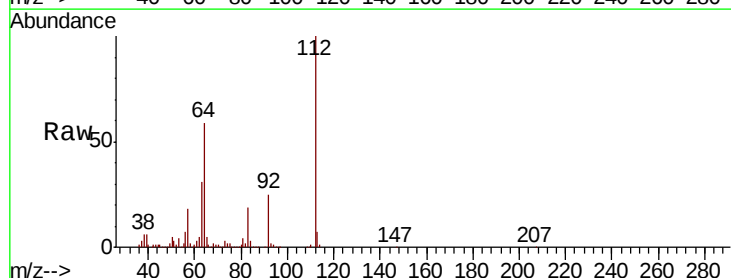
mohammad
1/16/2020 1:42:01 PM

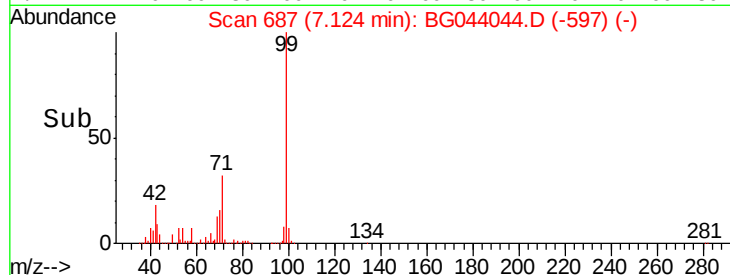
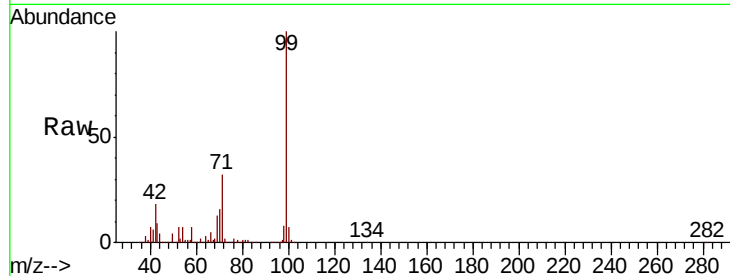
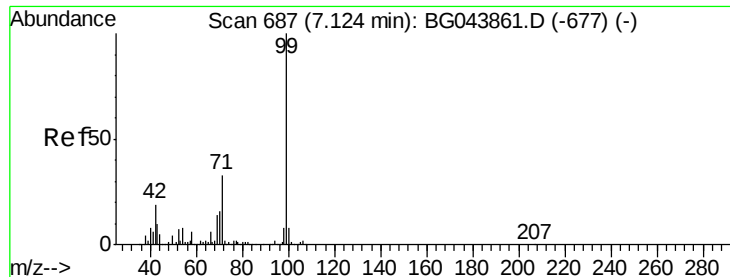


#5

2-Fluorophenol
Concen: 111.322 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG044044.D
Acq: 14 Jan 2020 20:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.8	71.6
63	30.7	24.3	36.5





#7

Phenol-d6

Concen: 110.640 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.00 min

Lab File: BG044044.D

Acq: 14 Jan 2020 20:05

Tot Ion:	99	Resp:	1108197
Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.9	22.3
71	32.2	26.4	39.6

Instrument :

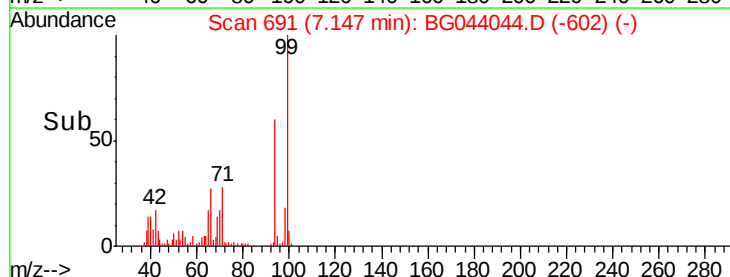
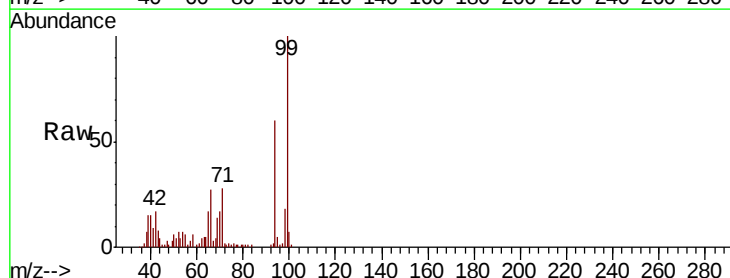
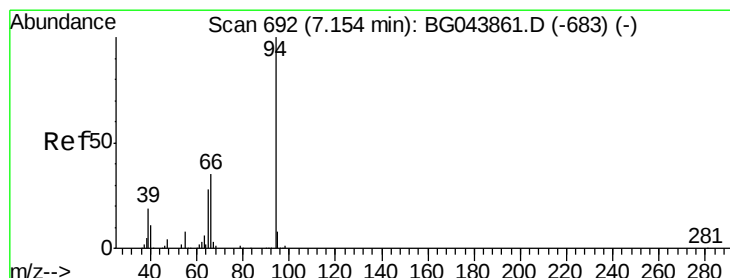
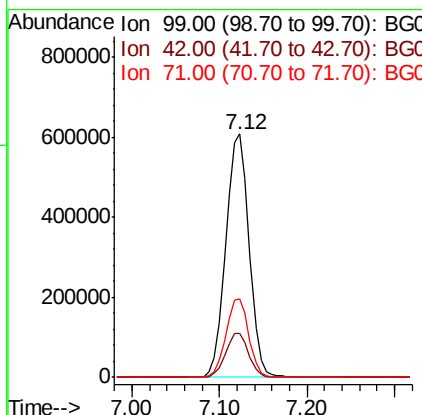
BNA_G

ClientSampleId :

INWOOD-BH-03-A

Manual Integrations
APPROVED

mohammad
1/16/2020 1:42:01 PM



#10

Phenol

Concen: 4.135 ng

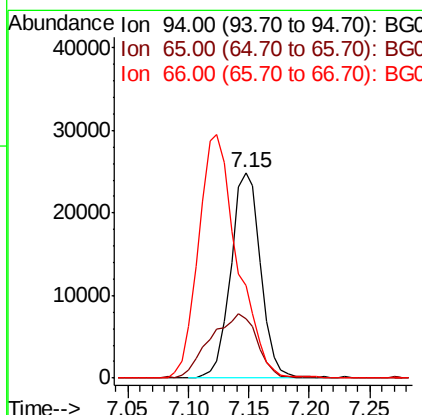
RT: 7.15 min Scan# 691

Delta R.T. -0.01 min

Lab File: BG044044.D

Acq: 14 Jan 2020 20:05

Tgt Ion:	94	Resp:	42670
Ion	Ratio	Lower	Upper
94	100		
65	28.6	8.1	48.1
66	45.0	15.6	55.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.75 min Scan# 1304

Delta R.T. -0.02 min

Lab File: BG044044.D

Acq: 14 Jan 2020 20:05

Instrument :

BNA_G

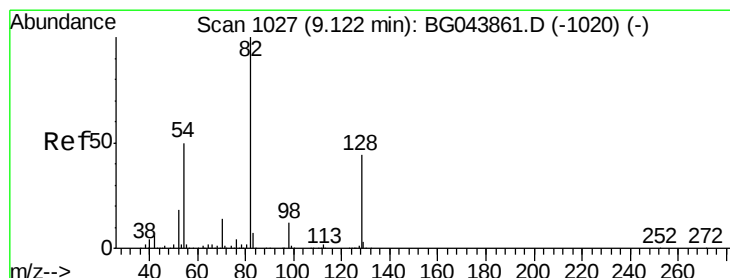
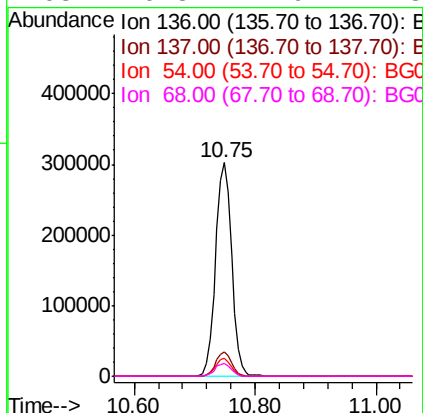
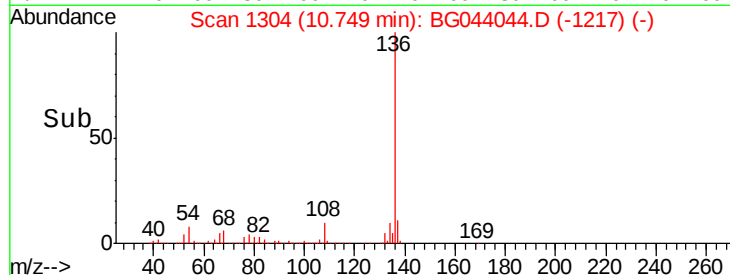
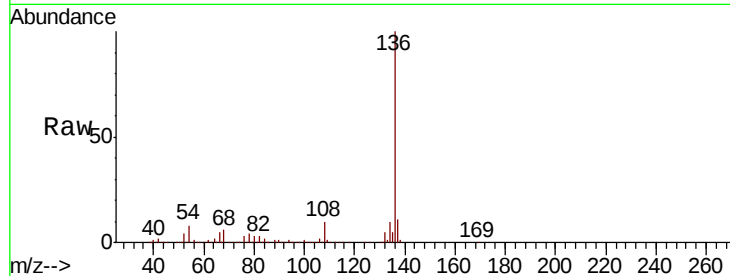
ClientSampleId :

INWOOD-BH-03-A

Tot Ion	Ratio	Resp	Lower	Upper
136	100	554117		
137	11.2		8.8	13.2
54	8.1		7.0	10.4
68	6.3		4.9	7.3

Manual Integrations
APPROVED

mohammad
1/16/2020 1:42:01 PM



#23

Nitrobenzene-d5

Concen: 62.616 ng

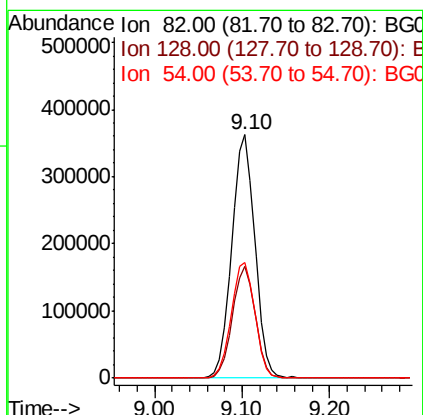
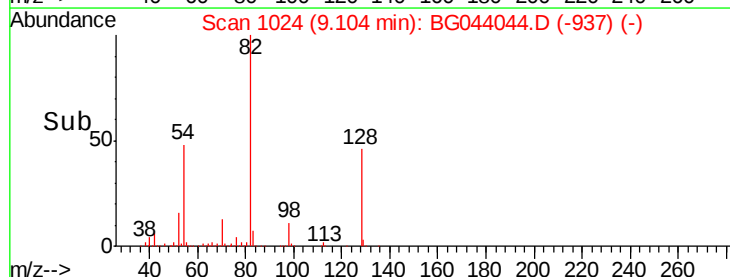
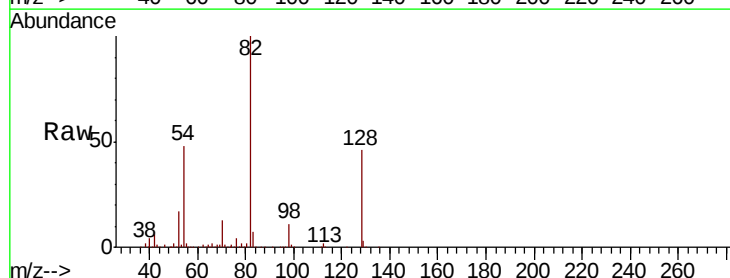
RT: 9.10 min Scan# 1024

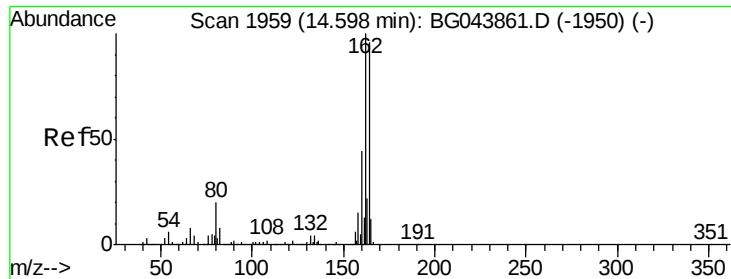
Delta R.T. -0.02 min

Lab File: BG044044.D

Acq: 14 Jan 2020 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	648581		
128	45.9		35.1	52.7
54	47.7		40.1	60.1





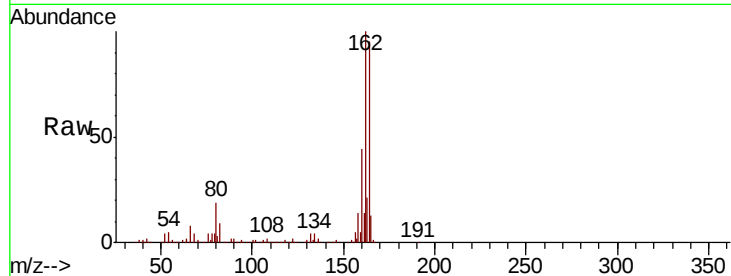
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.02 min
Lab File: BG044044.D
Acq: 14 Jan 2020 20:05

Instrument :
BNA_G
ClientSampleId :
INWOOD-BH-03-A

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.0	83.0	124.4	
160	46.1	36.1	54.1	

Manual Integrations
APPROVED

mohammad
1/16/2020 1:42:01 PM

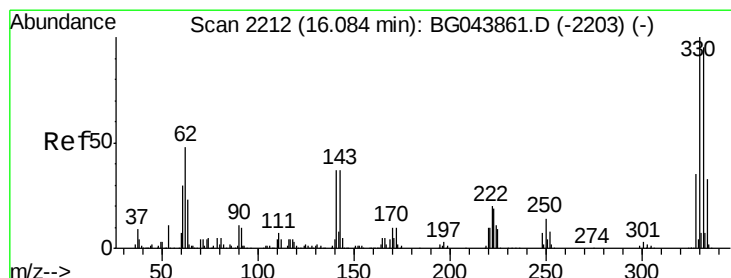
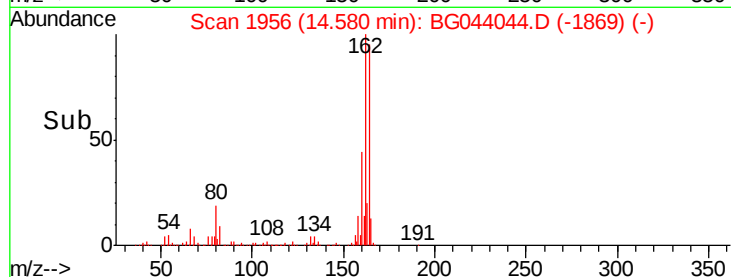
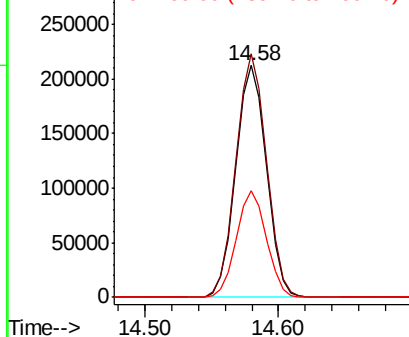


Abundance

Ion 164.00 (163.70 to 164.70): E

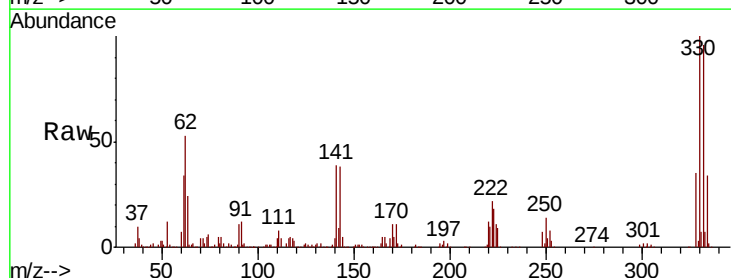
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 103.730 ng
RT: 16.07 min Scan# 2209
Delta R.T. -0.02 min
Lab File: BG044044.D
Acq: 14 Jan 2020 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	77.2	115.8	
141	38.4	33.1	49.7	

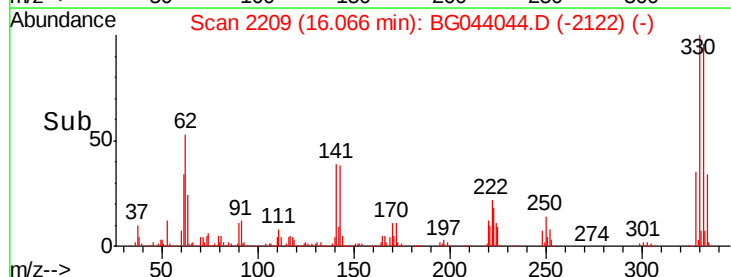
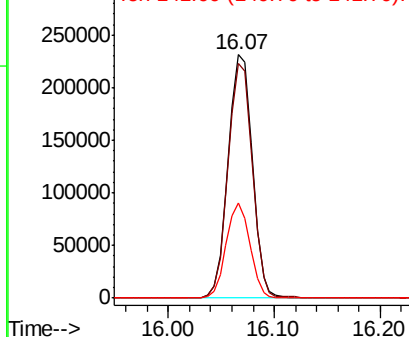


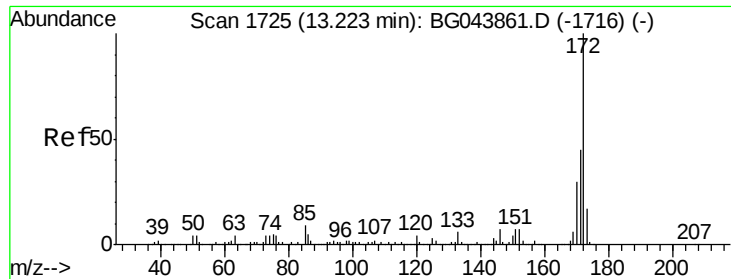
Abundance

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





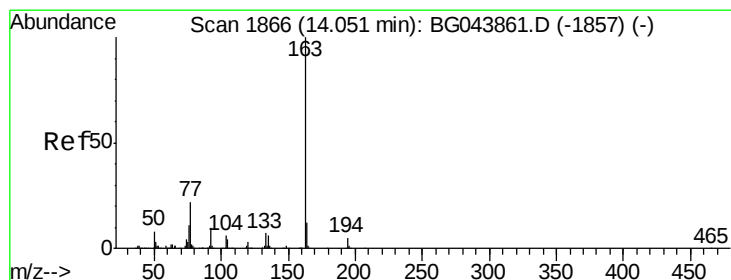
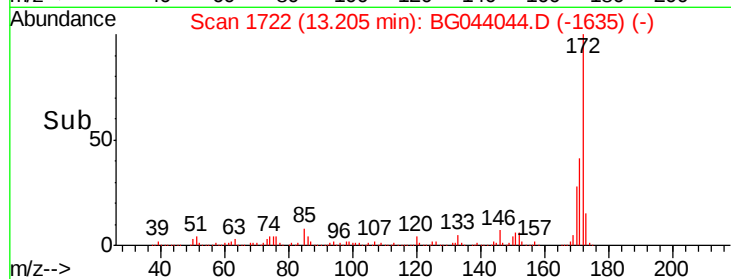
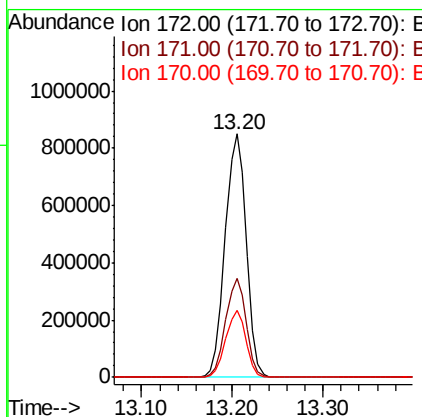
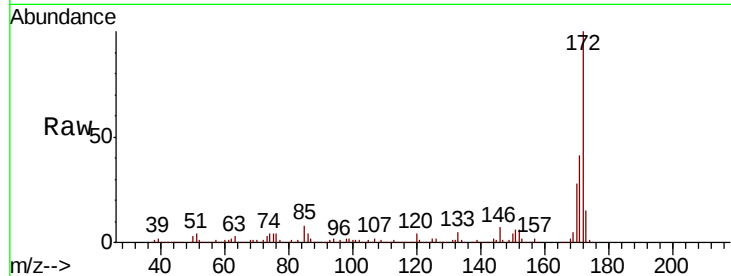
#45
2-Fluorobiphenyl
Concen: 73.489 ng
RT: 13.20 min Scan# 1722
Delta R.T. -0.02 min
Lab File: BG044044.D
Acq: 14 Jan 2020 20:05

Instrument :
BNA_G
ClientSampleId :
INWOOD-BH-03-A

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	40.9	35.8	53.8	
170	27.8	24.2	36.4	

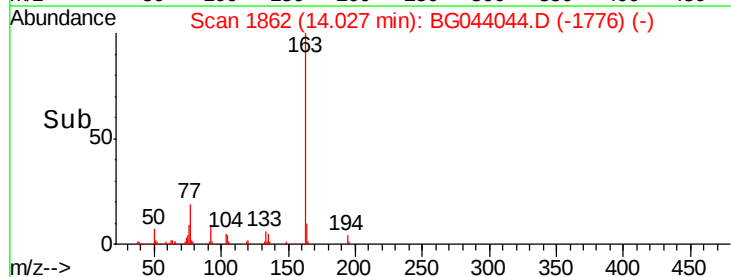
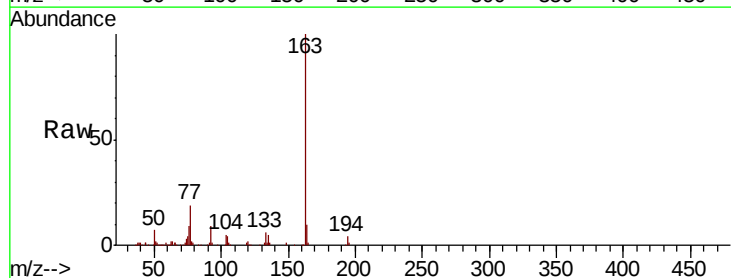
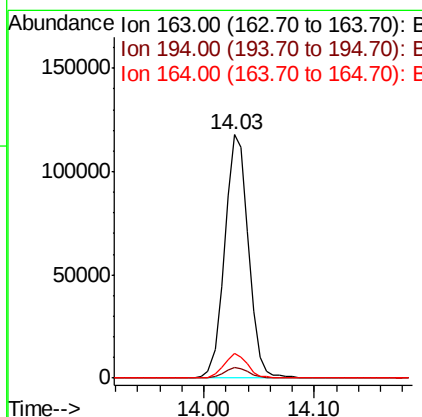
Manual Integrations
APPROVED

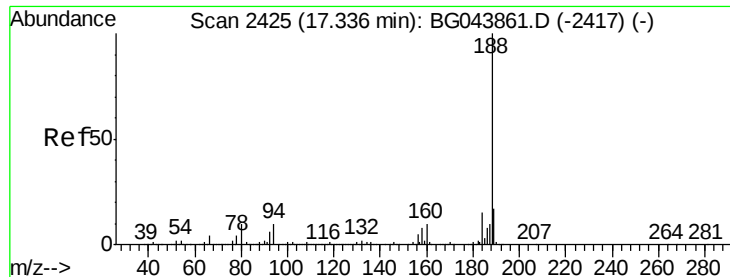
mohammad
1/16/2020 1:42:01 PM



#50
Dimethylphthalate
Concen: 7.398 ng
RT: 14.03 min Scan# 1862
Delta R.T. -0.02 min
Lab File: BG044044.D
Acq: 14 Jan 2020 20:05

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	4.2	3.7	5.5	
164	10.0	9.3	13.9	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.32 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BG044044.D

Acq: 14 Jan 2020 20:05

Instrument :

BNA_G

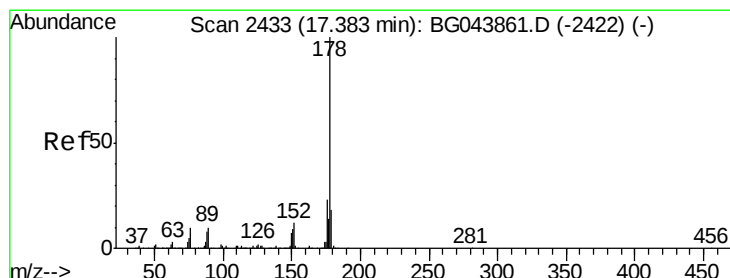
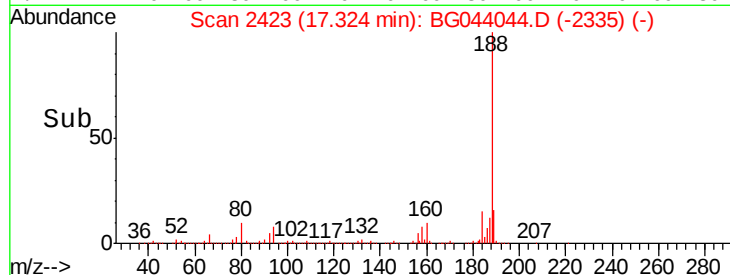
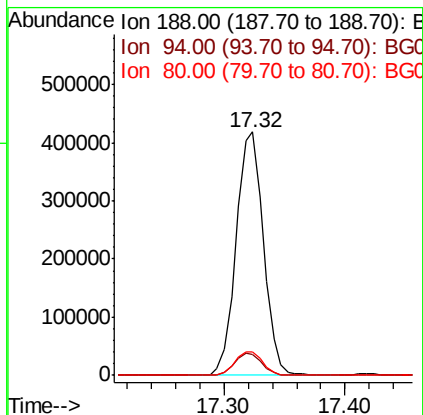
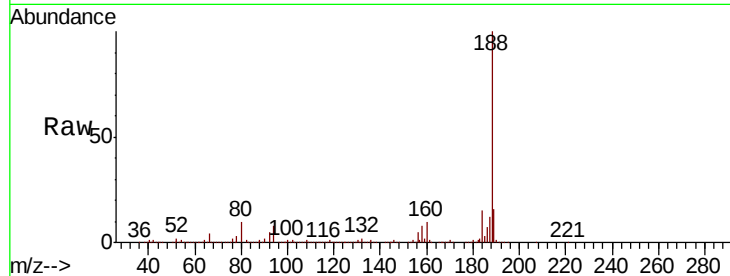
ClientSampleId :

INWOOD-BH-03-A

Tot Ion:	188	Resp:	660101
Ion Ratio	Lower	Upper	
188	100		
94	8.4	7.9	11.9
80	9.8	8.2	12.4

Manual Integrations
APPROVED

mohammad
1/16/2020 1:42:01 PM



#71

Phenanthrene

Concen: 2.819 ng

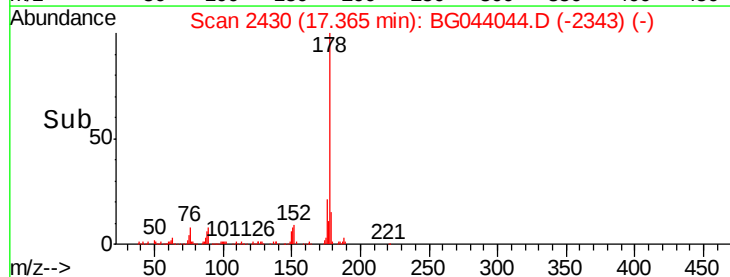
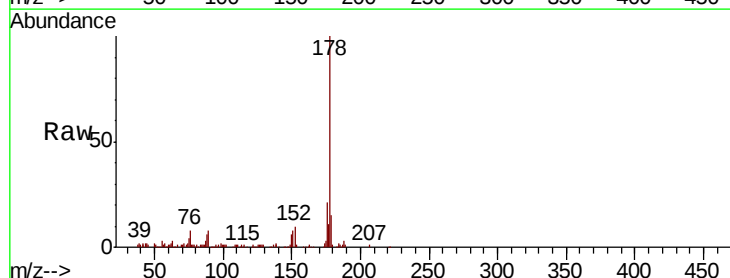
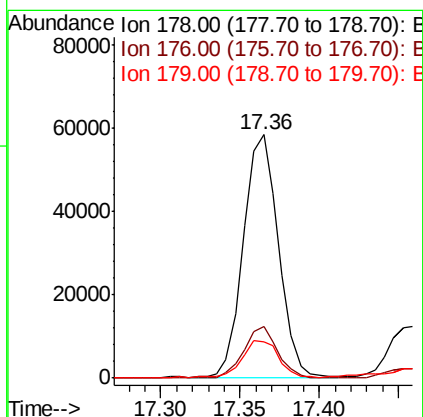
RT: 17.36 min Scan# 2430

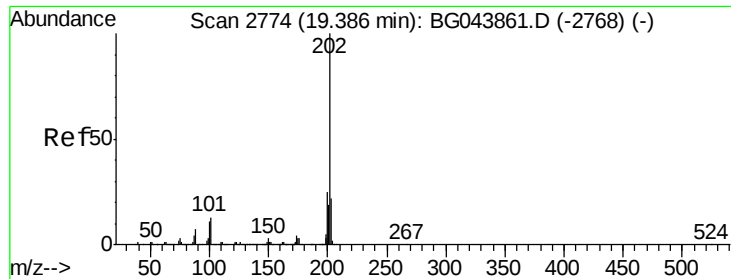
Delta R.T. -0.02 min

Lab File: BG044044.D

Acq: 14 Jan 2020 20:05

Tgt Ion:	178	Resp:	89245
Ion Ratio	Lower	Upper	
178	100		
176	21.1	18.6	28.0
179	14.9	14.4	21.6





#75

Fluoranthene

Concen: 8.851 ng

RT: 19.37 min Scan# 2772

Delta R.T. -0.01 min

Lab File: BG044044.D

Acq: 14 Jan 2020 20:05

Instrument :

BNA_G

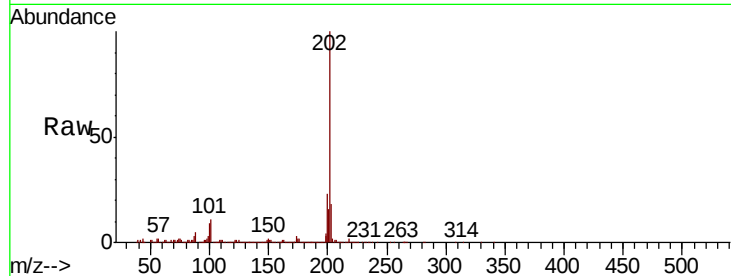
ClientSampleId :

INWOOD-BH-03-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.4	0.0	33.3
203	17.6	1.6	41.6

Manual Integrations
APPROVED

mohammad
1/16/2020 1:42:01 PM

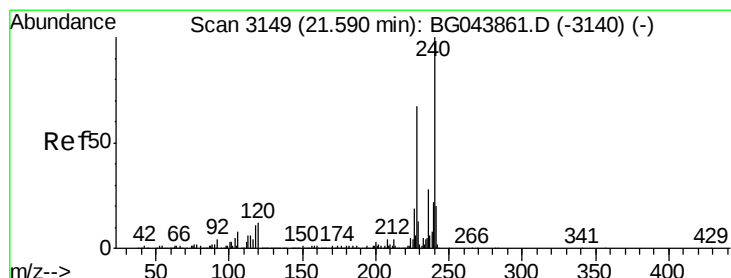
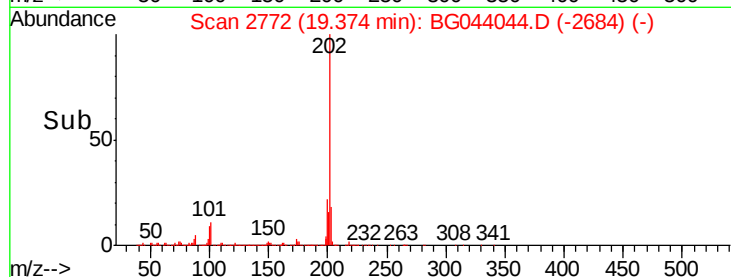
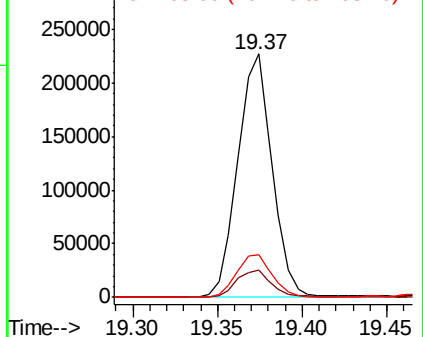


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

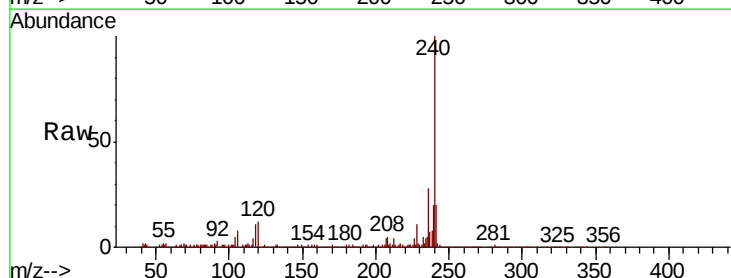
RT: 21.58 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG044044.D

Acq: 14 Jan 2020 20:05

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.6	9.6	14.4
236	27.7	22.2	33.2

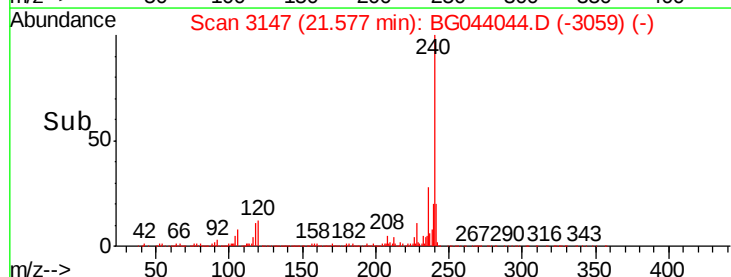
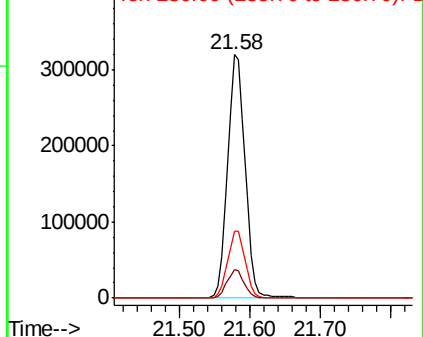


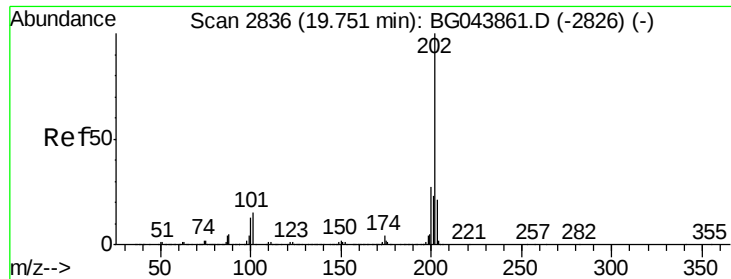
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





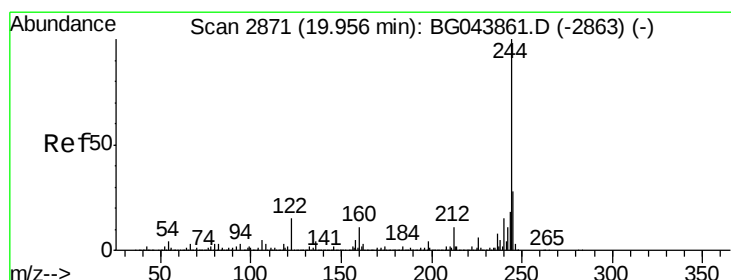
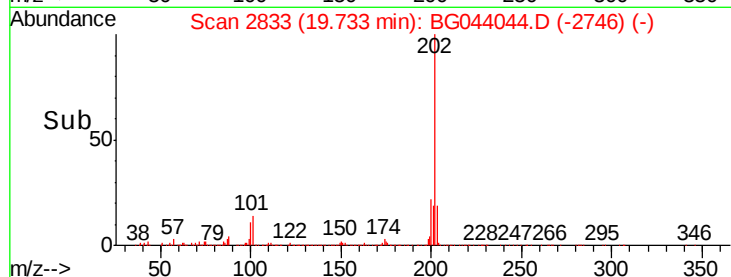
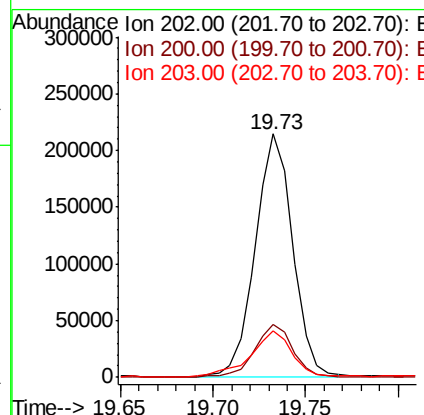
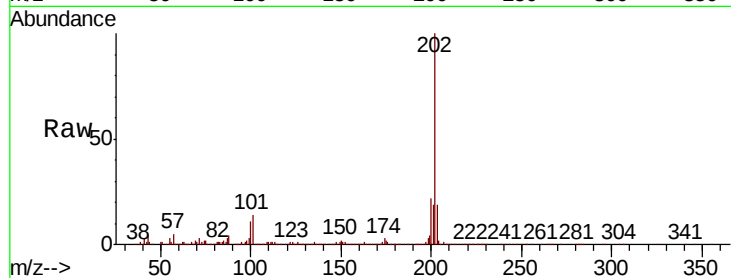
#78
Pvrene
Concen: 8.414 ng/mL
RT: 19.73 min Scan# 2833
Delta R.T. -0.02 min
Lab File: BG044044.D
Acq: 14 Jan 2020 20:05

Instrument :
BNA_G
ClientSampleId :
INWOOD-BH-03-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	21.7	32.5
203	19.0	17.0	25.6

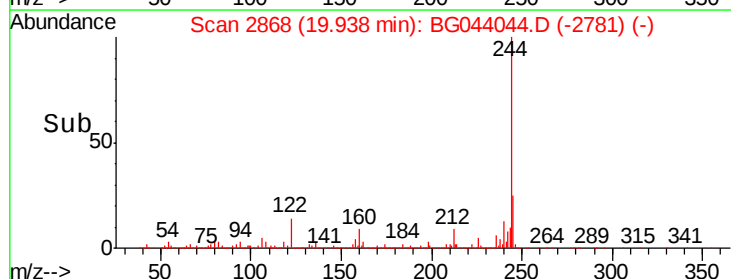
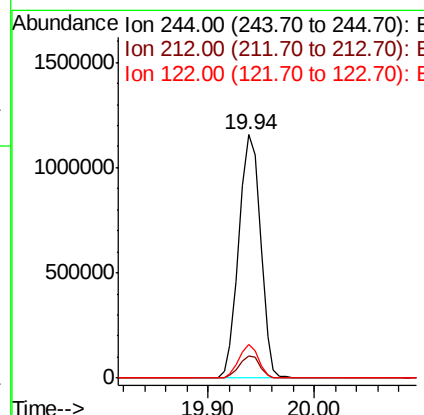
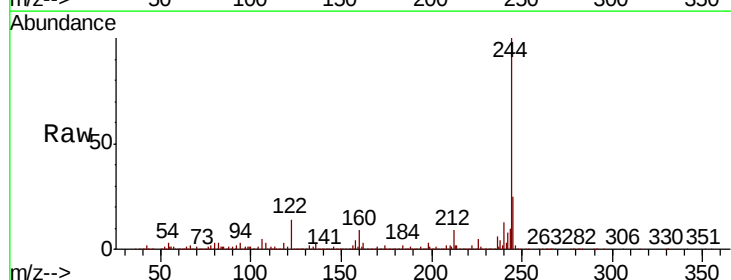
Manual Integrations
APPROVED

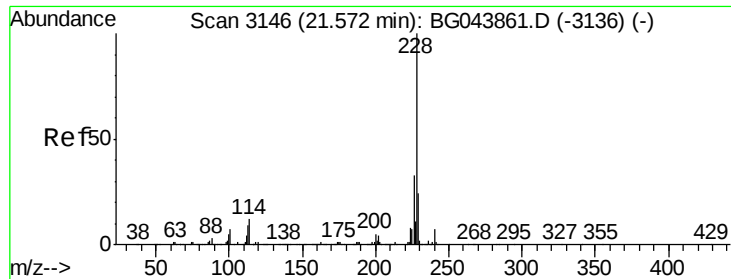
mohammad
1/16/2020 1:42:01 PM



#79
Terphenyl-d14
Concen: 67.872 ng/mL
RT: 19.94 min Scan# 2868
Delta R.T. -0.02 min
Lab File: BG044044.D
Acq: 14 Jan 2020 20:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.3	8.6	13.0
122	13.9	11.9	17.9





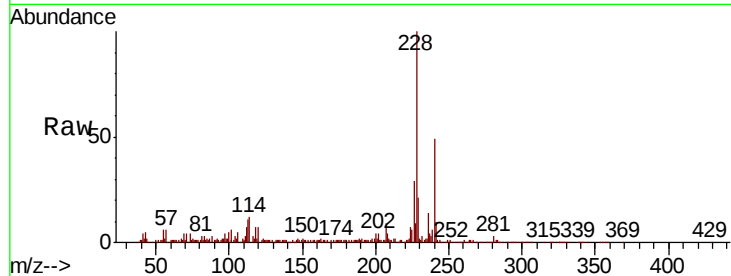
#81
Benzo(a)anthracene
Concen: 5.376 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG044044.D
Acq: 14 Jan 2020 20:05

Instrument :
BNA_G
ClientSampleId :
INWOOD-BH-03-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	26.2	39.4
229	21.2	18.9	28.3

Manual Integrations
APPROVED

mohammad
1/16/2020 1:42:01 PM

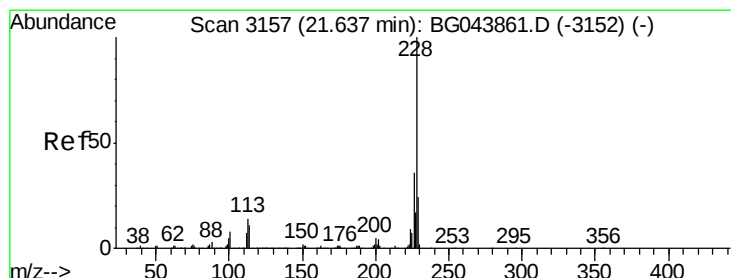
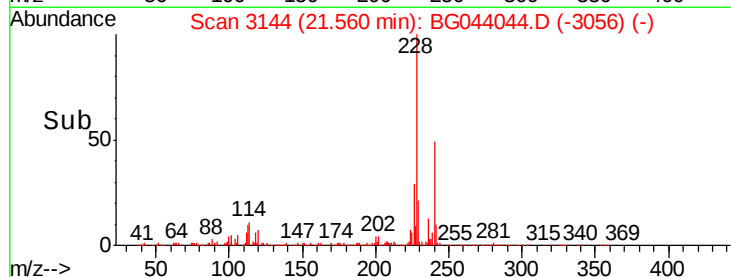
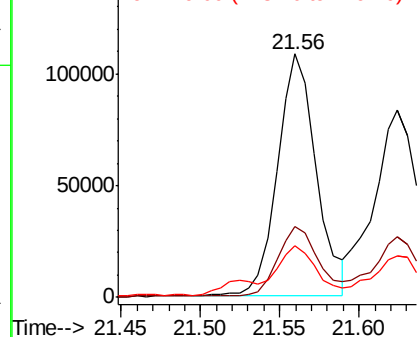


Abundance

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: 4.932 ng
RT: 21.62 min Scan# 3155
Delta R.T. -0.01 min
Lab File: BG044044.D
Acq: 14 Jan 2020 20:05

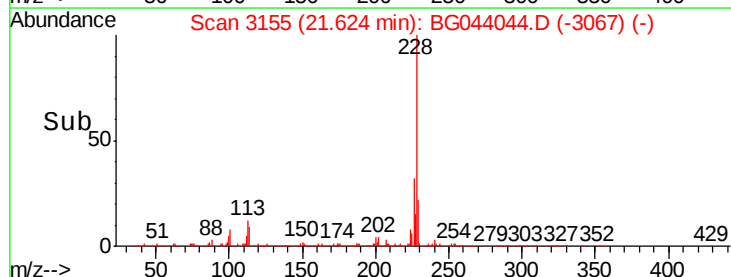
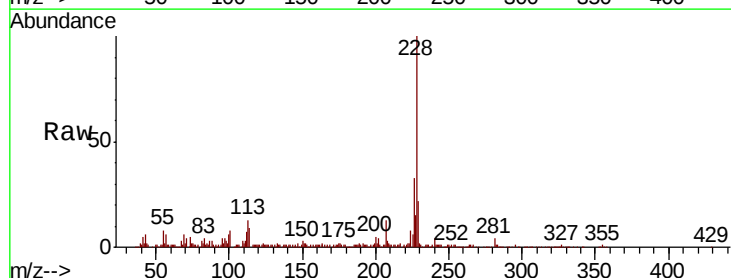
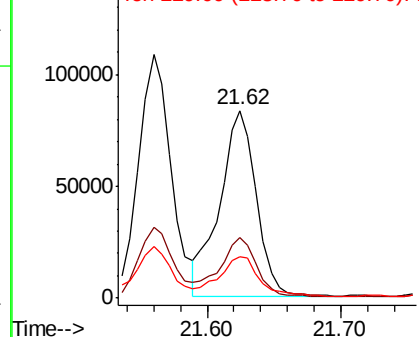
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	28.8	43.2
229	21.9	19.0	28.6

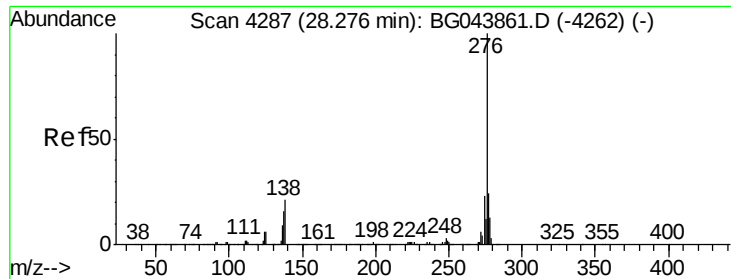
Abundance

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





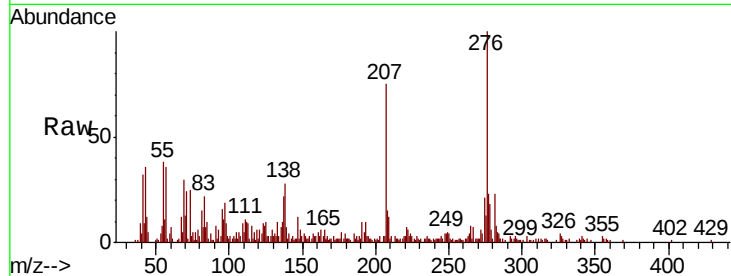
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.536 ng
RT: 28.45 min Scan# 4316
Delta R.T. 0.17 min
Lab File: BG044044.D
Acq: 14 Jan 2020 20:05

Instrument :
BNA_G
ClientSampleId :
INWOOD-BH-03-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	21.0	31.4#
277	0.0	21.1	31.7#

Manual Integrations
APPROVED

mohammad
1/16/2020 1:42:01 PM

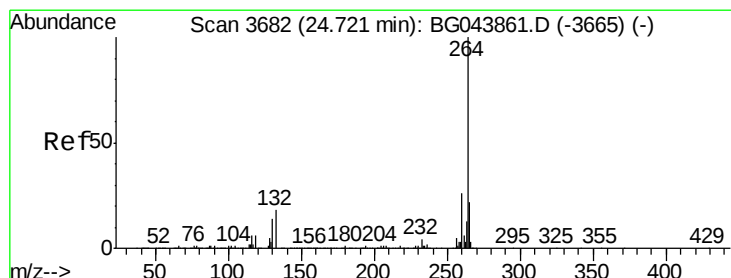
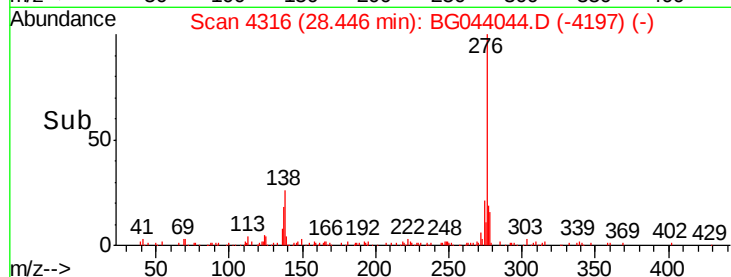
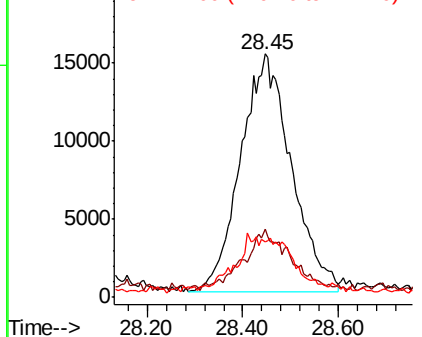


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.77 min Scan# 3691
Delta R.T. 0.05 min
Lab File: BG044044.D
Acq: 14 Jan 2020 20:05

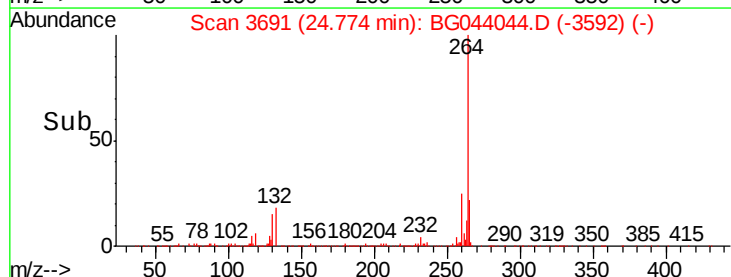
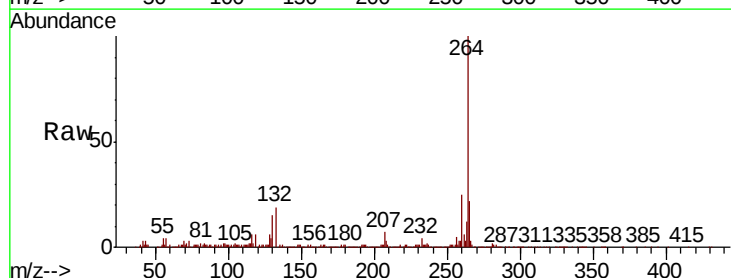
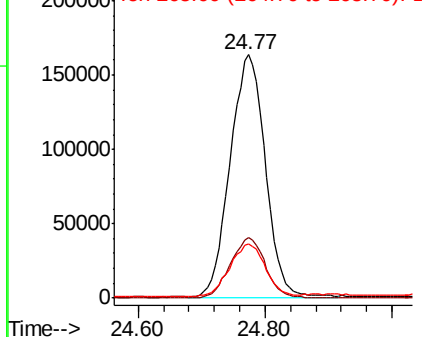
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.4	30.6
265	22.5	17.4	26.2

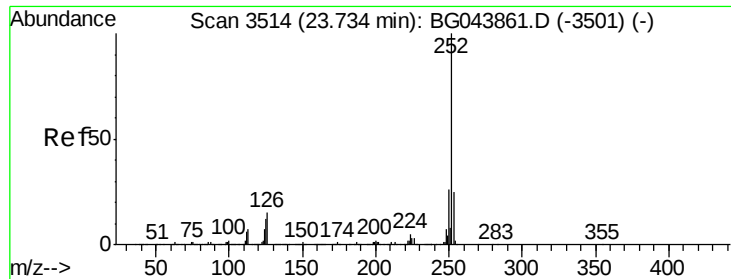
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





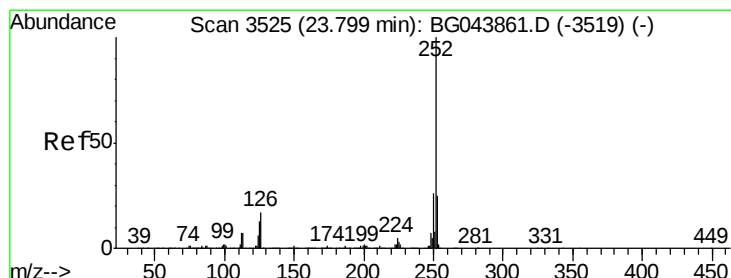
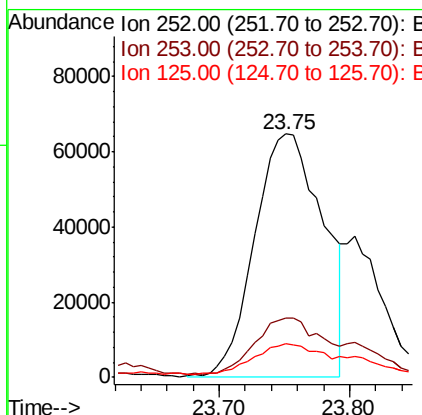
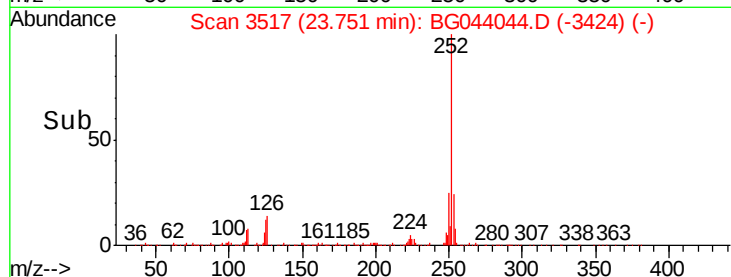
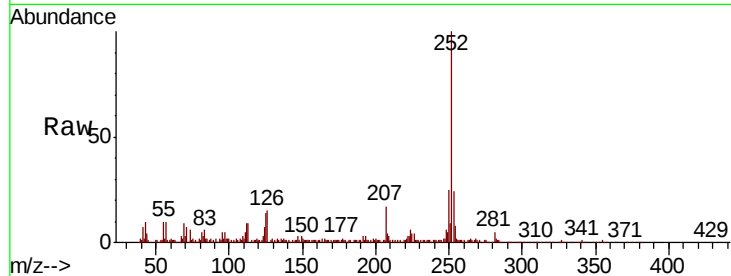
#88
Benzo(b)fluoranthene
Concen: 6.389 ng m
RT: 23.75 min Scan# 3517
Delta R.T. 0.02 min
Lab File: BG044044.D
Acq: 14 Jan 2020 20:05

Instrument :
BNA_G
ClientSampleId :
INWOOD-BH-03-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.7	29.5
125	13.7	9.4	14.2

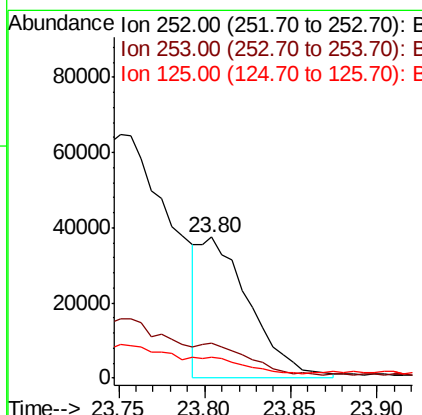
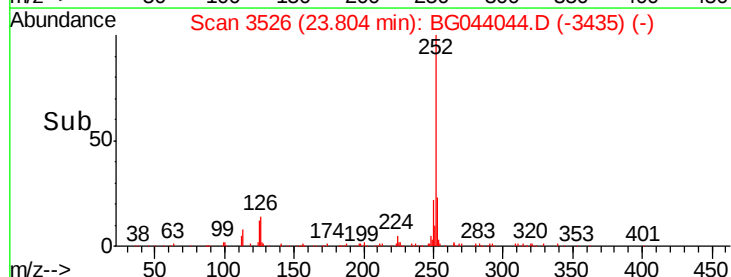
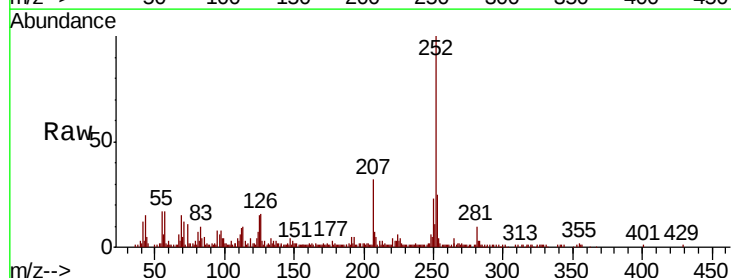
Manual Integrations
APPROVED

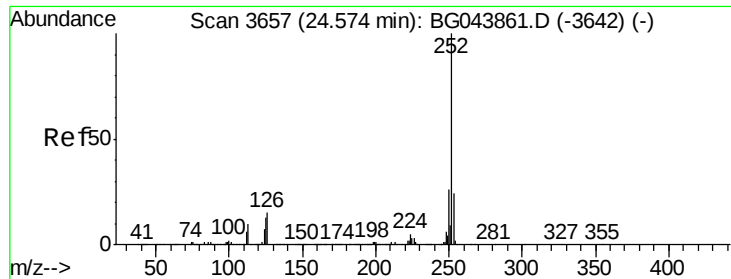
mohammad
1/16/2020 1:42:01 PM



#89
Benzo(k)fluoranthene
Concen: 2.190 ng m
RT: 23.80 min Scan# 3526
Delta R.T. 0.01 min
Lab File: BG044044.D
Acq: 14 Jan 2020 20:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.4	29.2
125	14.8	9.9	14.9





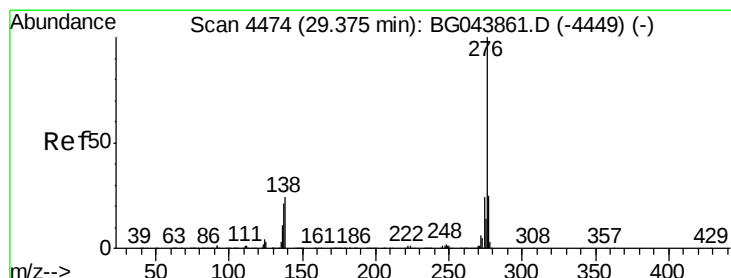
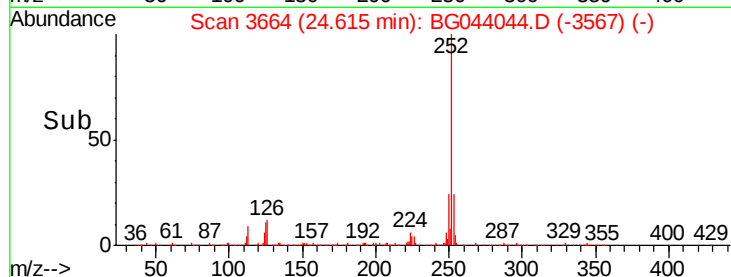
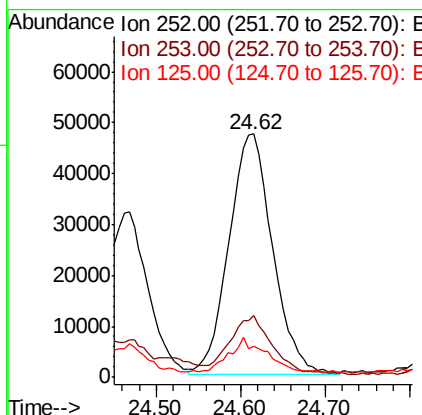
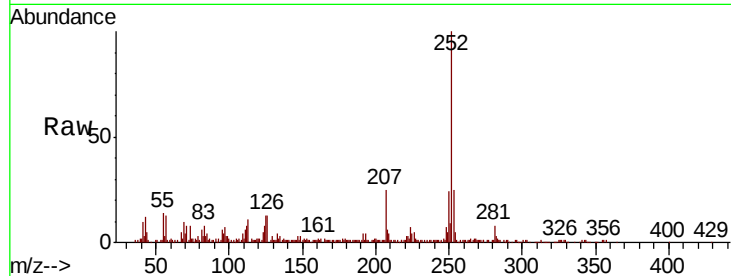
#90
Benzo(a)pyrene
Concen: 4.832 ng
RT: 24.62 min Scan# 3664
Delta R.T. 0.04 min
Lab File: BG044044.D
Acq: 14 Jan 2020 20:05

Instrument :
BNA_G
ClientSampleId :
INWOOD-BH-03-A

Tot Ion:	252	Resp:	168564
Ion Ratio	Lower	Upper	
252	100		
253	25.5	19.3	28.9
125	13.0	10.4	15.6

Manual Integrations
APPROVED

mohammad
1/16/2020 1:42:01 PM



#92
Benzo(g,h,i)perylene
Concen: 2.974 ng
RT: 29.62 min Scan# 4515
Delta R.T. 0.24 min
Lab File: BG044044.D
Acq: 14 Jan 2020 20:05

Tgt Ion:	276	Resp:	103479
Ion Ratio	Lower	Upper	
276	100		
277	28.6	20.2	30.4
138	26.3	19.0	28.6

