

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044842.D
 Acq On : 17 Mar 2020 21:10
 Operator : CG/JU
 Sample : L1893-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2-SA

Manual Integrations
 APPROVED

mohammad
 3/18/2020 4:00:20 PM

Quant Time: Mar 18 02:23:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 17:37:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	85183	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	355410	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	255703	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	577215	20.00	ng	0.00
76) Chrysene-d12	21.69	240	479547	20.00	ng	0.00
87) Perylene-d12	24.90	264	535204	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	525679	96.07	ng	0.00
7) Phenol-d6	7.20	99	775824	97.58	ng	0.00
23) Nitrobenzene-d5	9.20	82	505024	62.35	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	361146	107.87	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1110036	62.17	ng	0.00
79) Terphenyl-d14	20.04	244	1662891	64.86	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.13	163	147035	7.220	ng	97
71) Phenanthrene	17.47	178	111387	3.611	ng	# 90
75) Fluoranthene	19.47	202	306683	8.350	ng	98
78) Pyrene	19.83	202	306205	8.703	ng	97
81) Benzo(a)anthracene	21.67	228	173611	5.028	ng	98
83) Chrysene	21.73	228	152153	4.613	ng	94
86) Indeno(1,2,3-cd)pyrene	28.53	276	119710	2.768	ng	96
88) Benzo(b)fluoranthene	23.89	252	206728m	5.851	ng	
89) Benzo(k)fluoranthene	23.94	252	93287m	2.790	ng	
90) Benzo(a)pyrene	24.74	252	166684	5.042	ng	93
92) Benzo(g,h,i)perylene	29.67	276	118939	3.609	ng	98

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

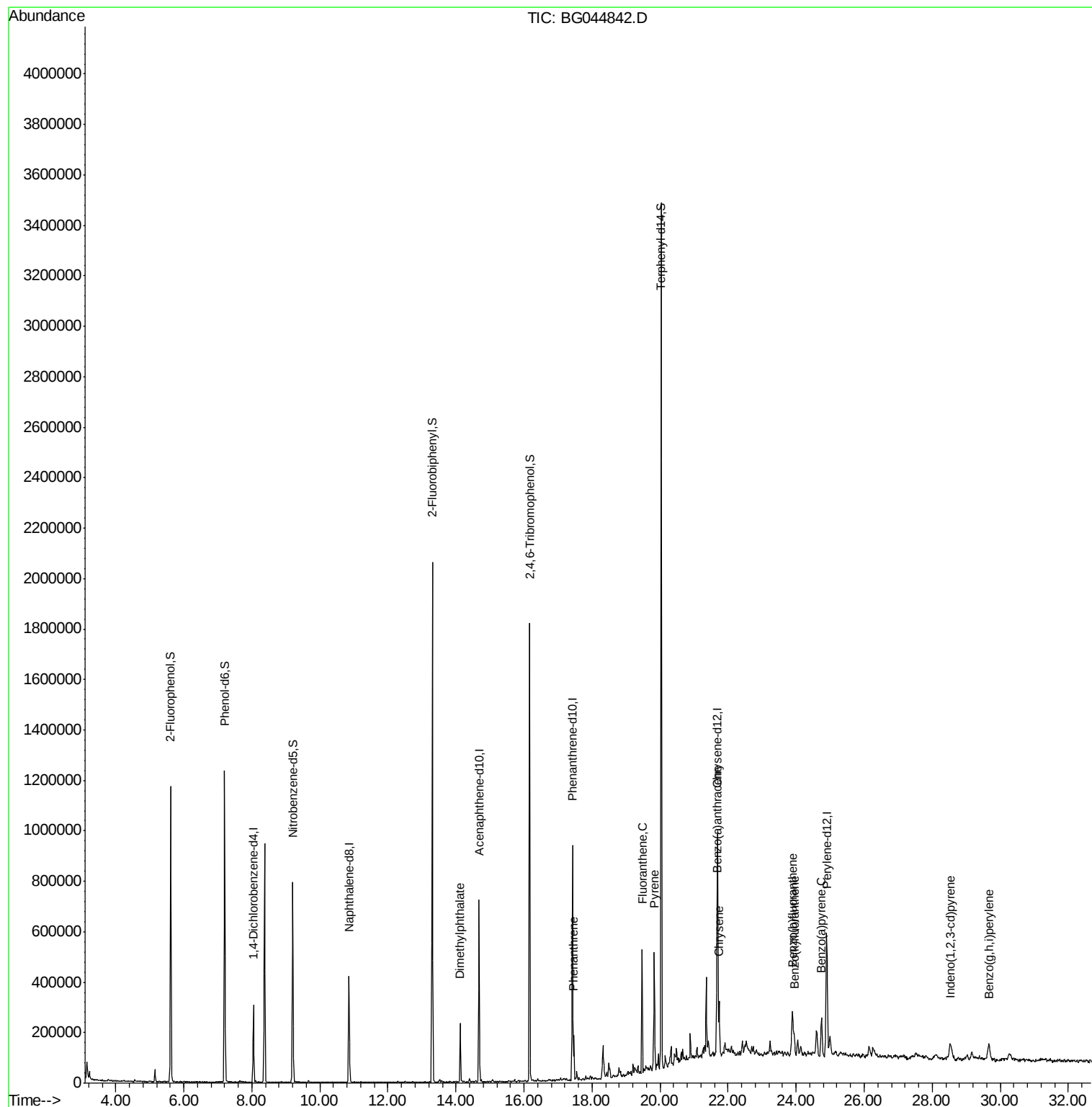
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
Data File : BG044842.D
Acq On : 17 Mar 2020 21:10
Operator : CG/JU
Sample : L1893-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

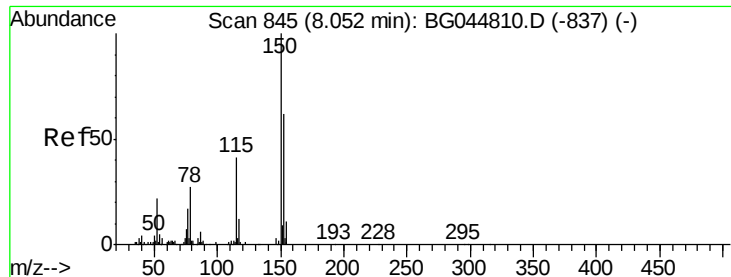
Instrument :
BNA_G
ClientSampleId :
TP-2-SA

Quant Time: Mar 18 02:23:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 16 17:37:15 2020
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
3/18/2020 4:00:20 PM





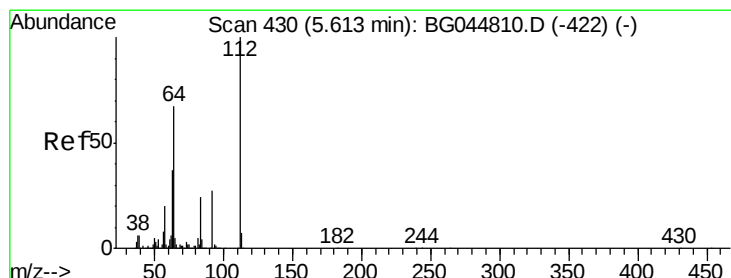
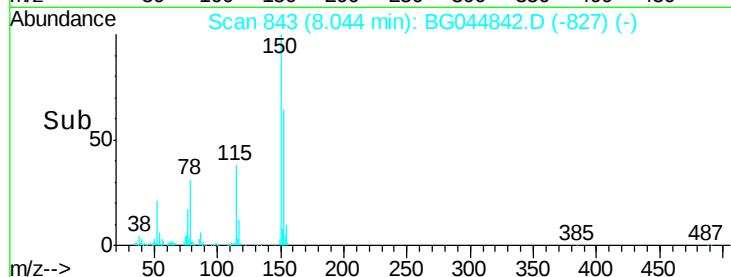
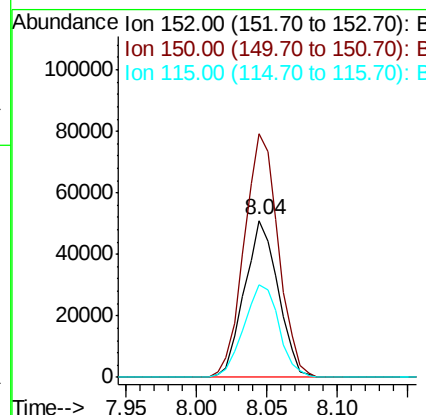
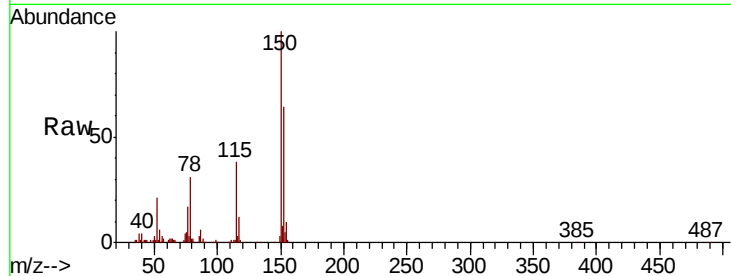
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.04 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BG044842.D
 Acq: 17 Mar 2020 21:10

Instrument :
 BNA_G
 ClientSampled :
 TP-2-SA

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	128.8	193.2
115	59.0	52.6	79.0

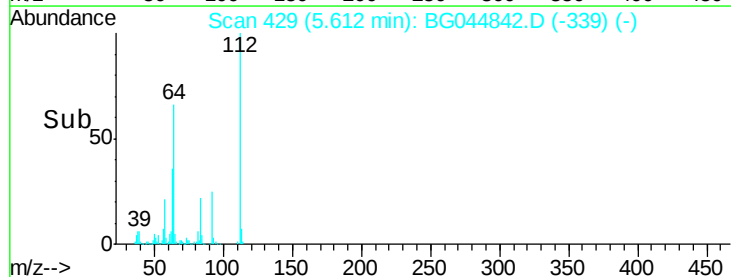
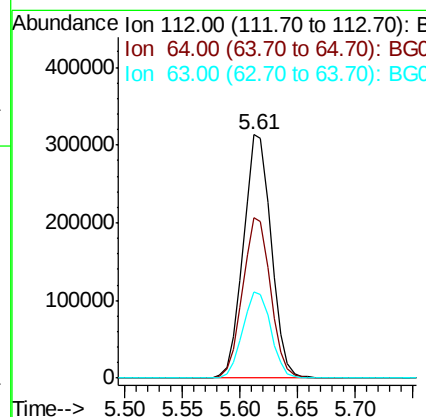
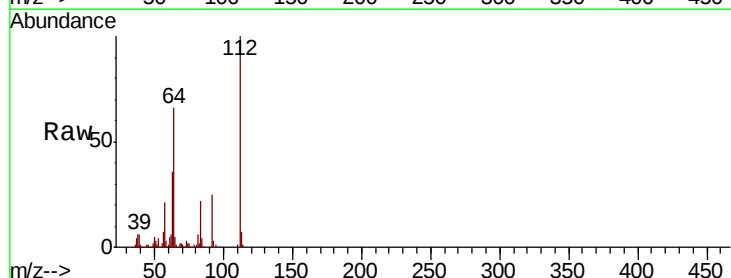
Manual Integrations
 APPROVED

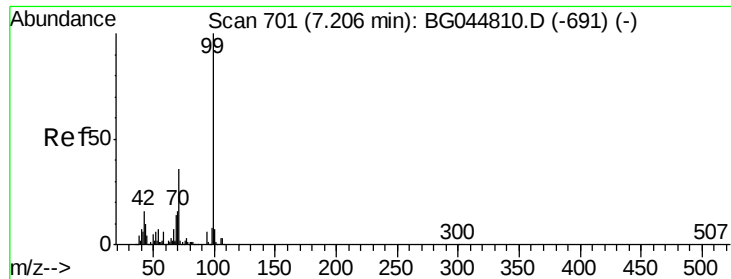
mohammad
 3/18/2020 4:00:20 PM



#5
 2-Fluorophenol
 Concen: 96.066 ng
 RT: 5.61 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: BG044842.D
 Acq: 17 Mar 2020 21:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	53.4	80.2
63	35.6	29.4	44.2





#7

Phenol-d6

Concen: 97.582 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

Instrument :

BNA_G

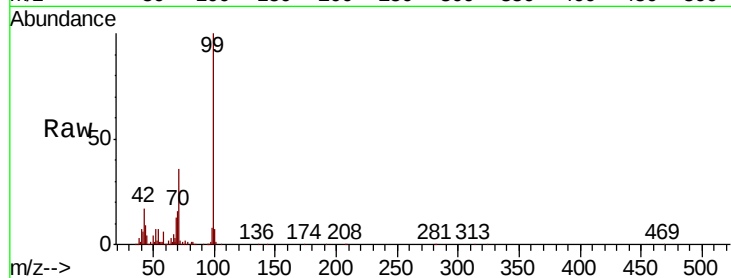
ClientSampled :

TP-2-SA

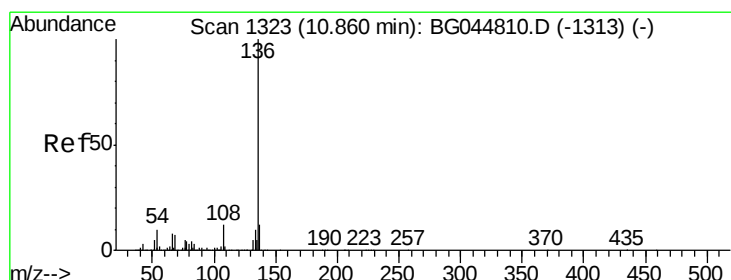
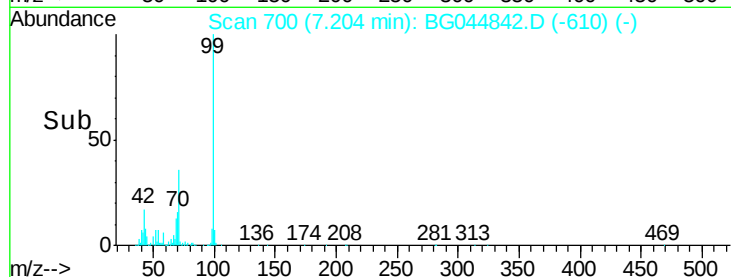
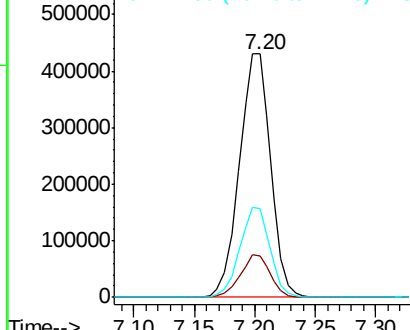
Tot Ion:	99	Resp:	775824
Ion Ratio	Lower	Upper	
99	100		
42	17.2	12.6	19.0
71	36.3	29.0	43.4

Manual Integrations
APPROVED

mohammad
3/18/2020 4:00:20 PM



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1321

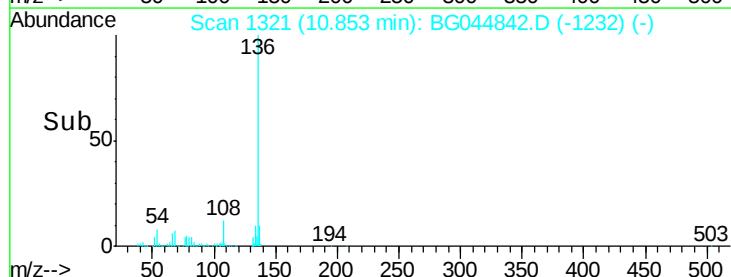
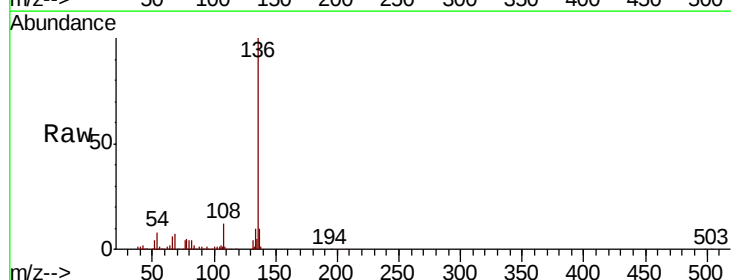
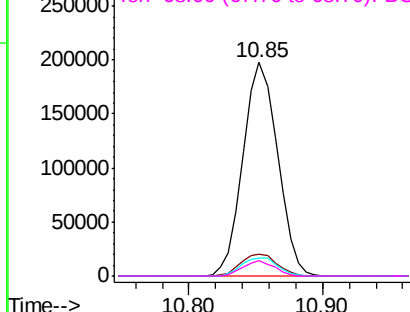
Delta R.T. -0.01 min

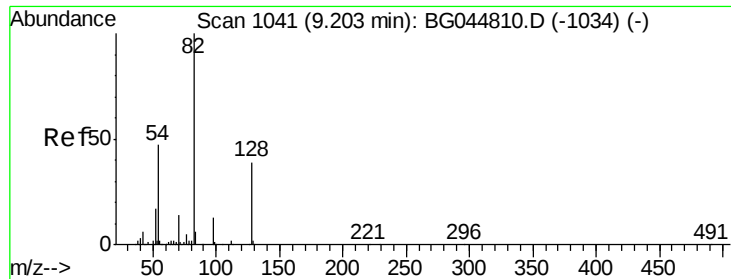
Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

Tgt Ion:	136	Resp:	355410
Ion Ratio	Lower	Upper	
136	100		
137	10.2	9.8	14.6
54	8.4	7.9	11.9
68	7.2	5.4	8.0

Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC





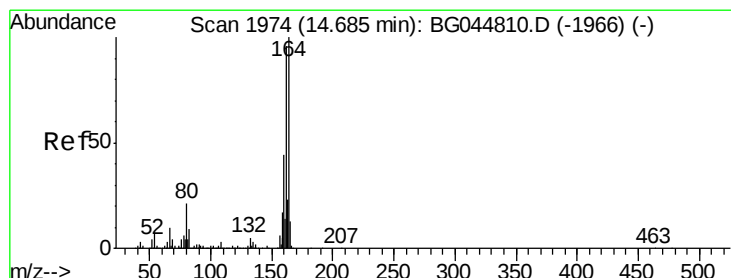
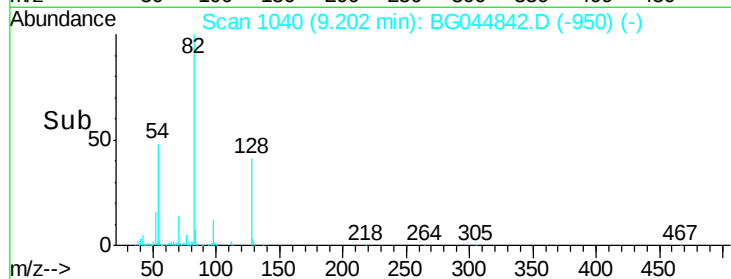
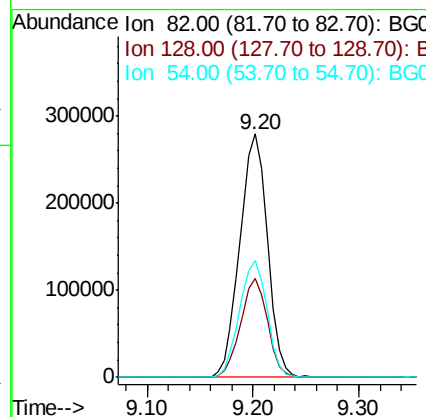
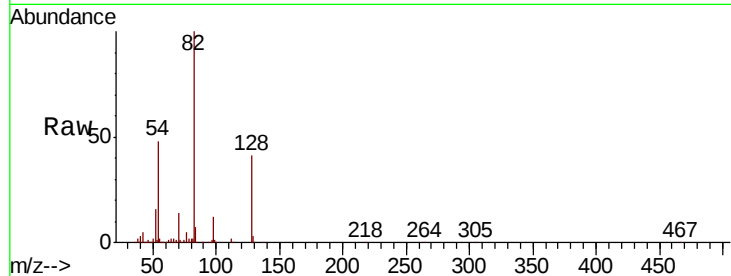
#23
 Nitrobenzene-d5
 Concen: 62.354 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BG044842.D
 Acq: 17 Mar 2020 21:10

Instrument :
 BNA_G
 ClientSampleId :
 TP-2-SA

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.7	30.6	46.0
54	48.0	37.1	55.7

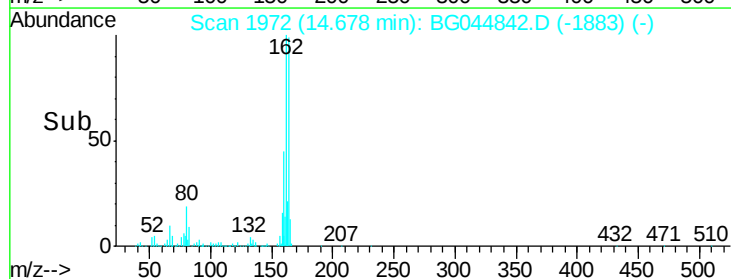
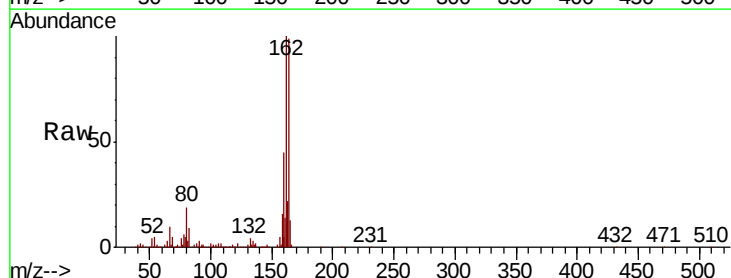
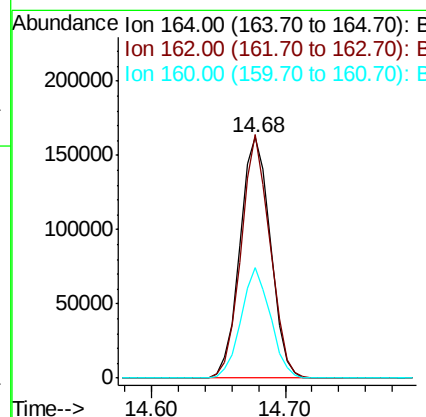
Manual Integrations
 APPROVED

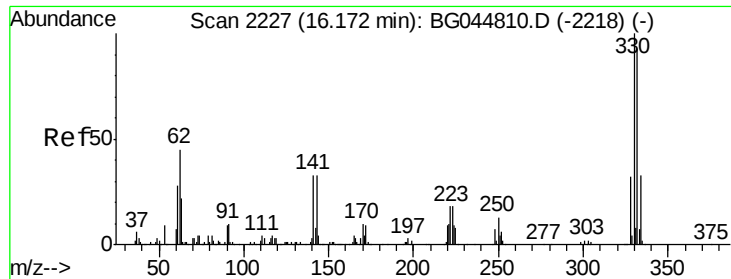
mohammad
 3/18/2020 4:00:20 PM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: BG044842.D
 Acq: 17 Mar 2020 21:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	76.7	115.1
160	45.8	35.0	52.4





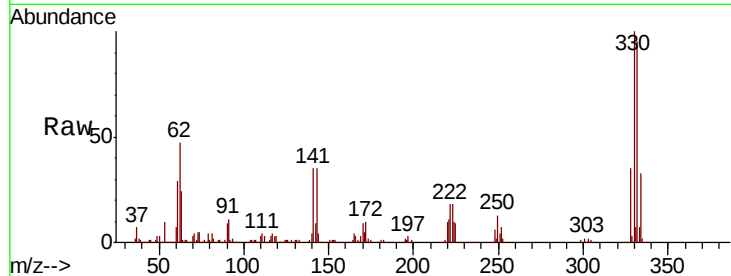
#42
2,4,6-Tribromophenol
Concen: 107.868 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Instrument :
BNA_G
ClientSampleId :
TP-2-SA

Tot Ion	Ratio	Resp	Lower	Upper
330	100	361146		
332	96.6	77.8	116.6	
141	36.3	29.5	44.3	

Manual Integrations
APPROVED

mohammad
3/18/2020 4:00:20 PM

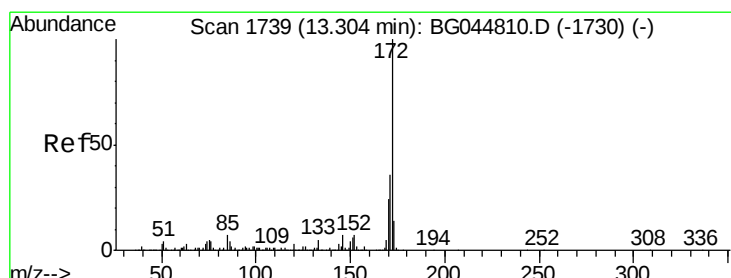
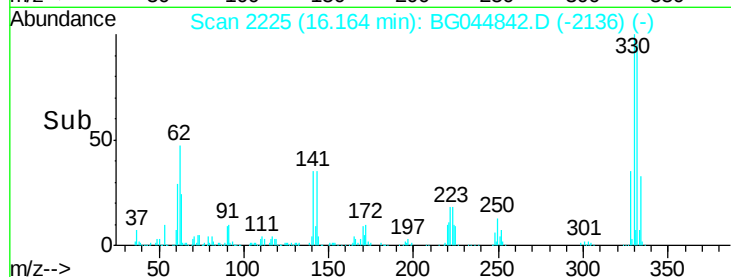
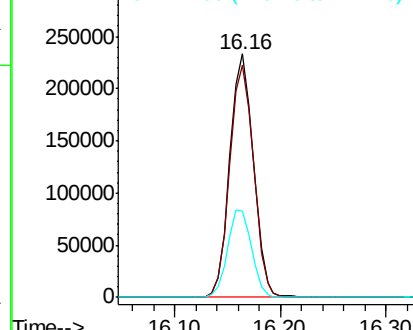


Abundance

Ion 329.80 (329.50 to 330.50): E

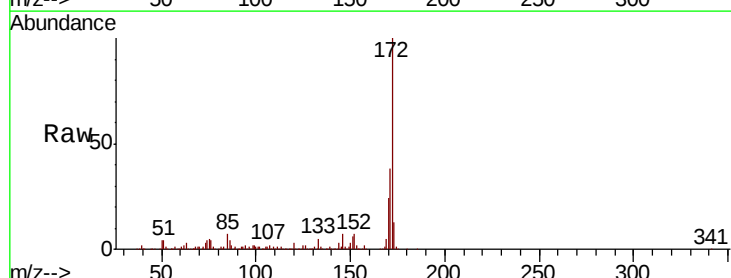
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 62.166 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1110036		
171	37.9	28.7	43.1	
170	24.0	19.0	28.6	

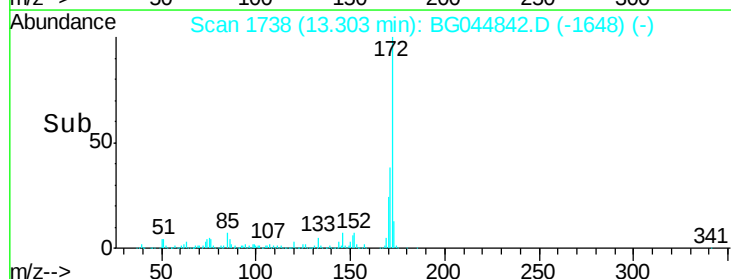
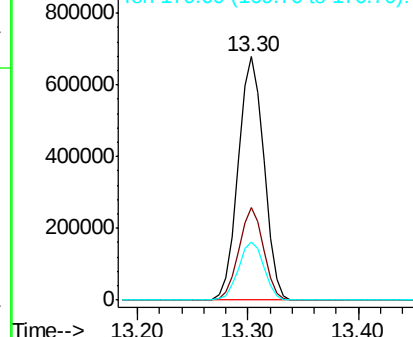


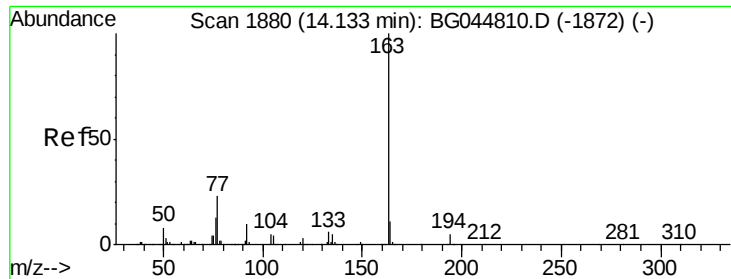
Abundance

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





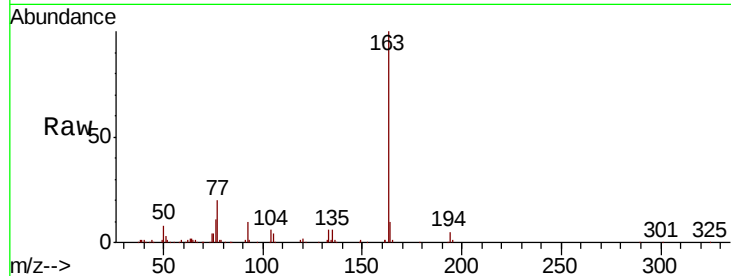
#50
Dimethylphthalate
Concen: 7.220 ng
RT: 14.13 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Instrument :
BNA_G
ClientSampleId :
TP-2-SA

Tot Ion	Ratio	Resp	Lower	Upper
163	100	147035		
194	4.8		3.7	5.5
164	9.7		9.1	13.7

Manual Integrations
APPROVED

mohammad
3/18/2020 4:00:20 PM

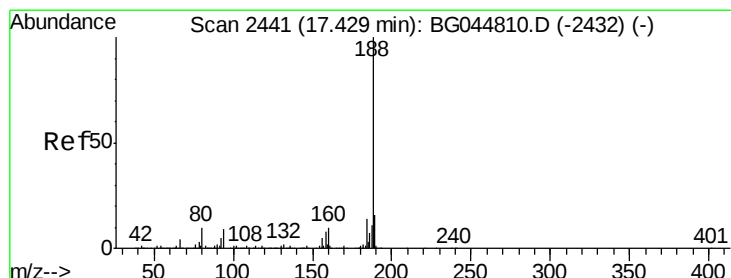
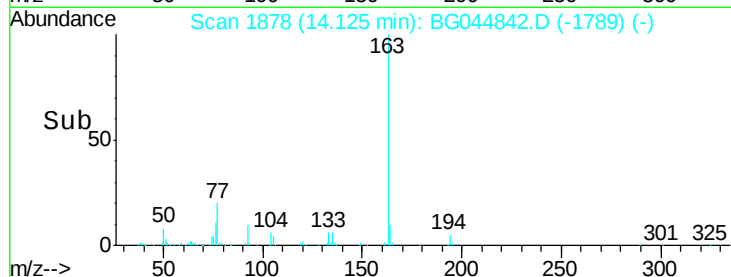
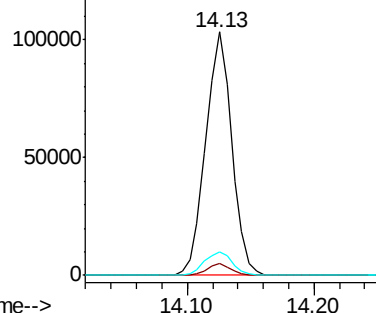


Abundance

Ion 163.00 (162.70 to 163.70): E

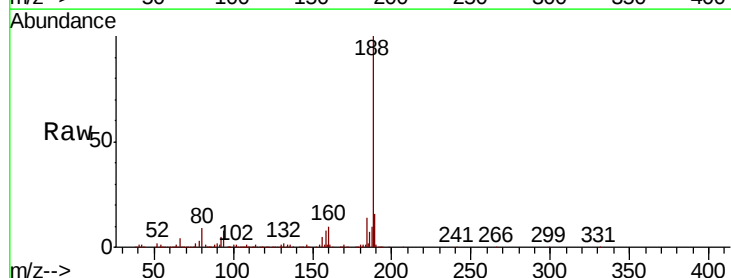
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.01 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	577215		
94	7.7		7.3	10.9
80	8.6		8.0	12.0

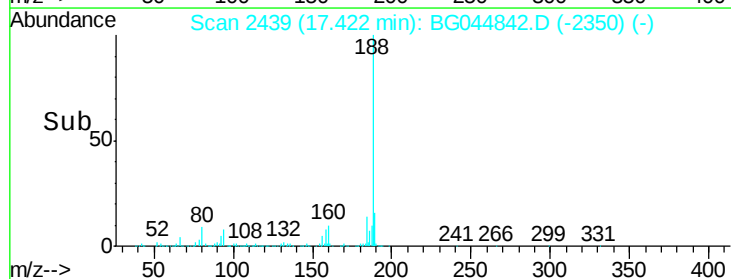
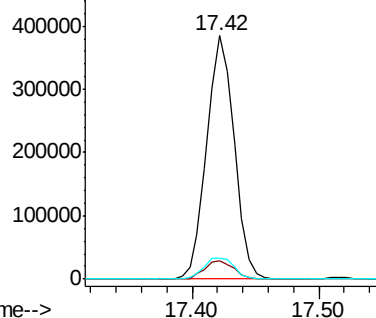


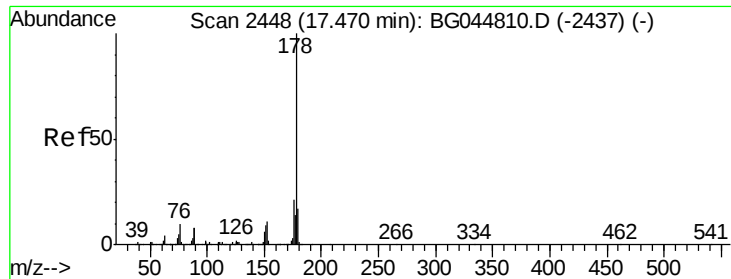
Abundance

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





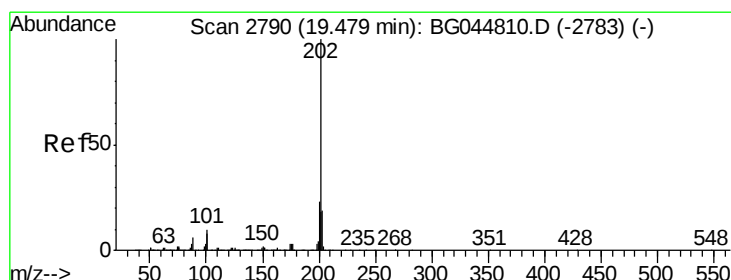
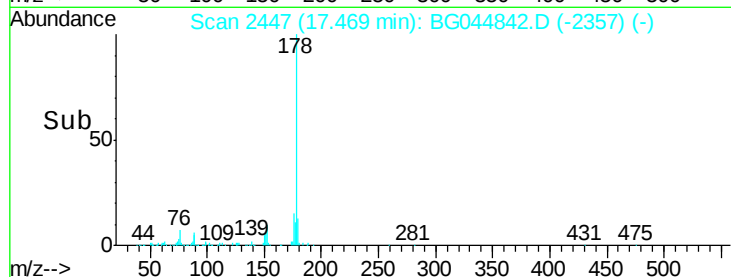
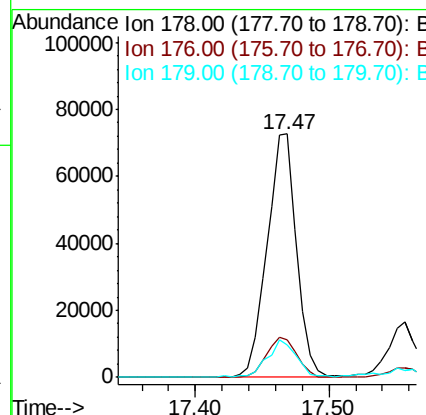
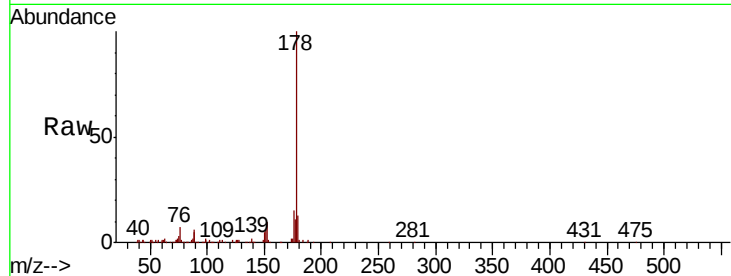
#71
Phenanthrene
Concen: 3.611 ng
RT: 17.47 min Scan# 2447
Delta R.T. -0.00 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Instrument :
BNA_G
ClientSampleId :
TP-2-SA

Tot Ion	Ratio	Lower	Upper
178	100		
176	15.4	16.6	24.8#
179	13.3	13.5	20.3#

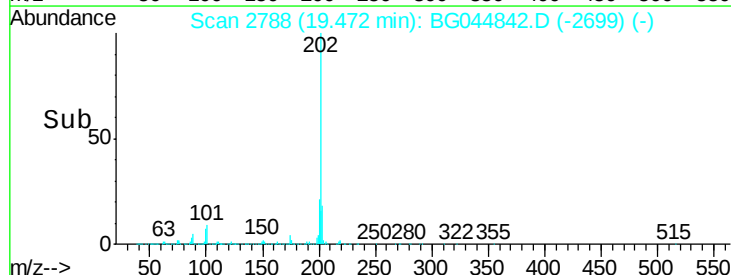
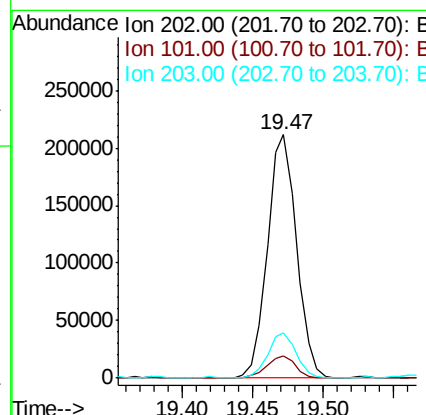
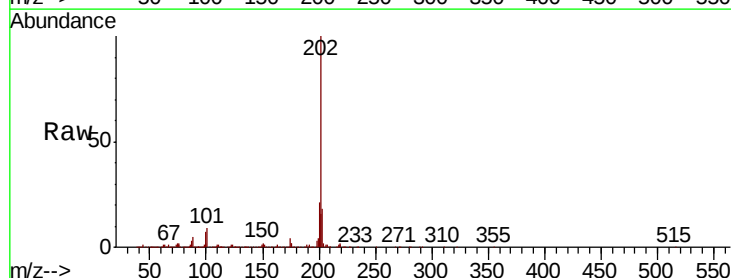
Manual Integrations
APPROVED

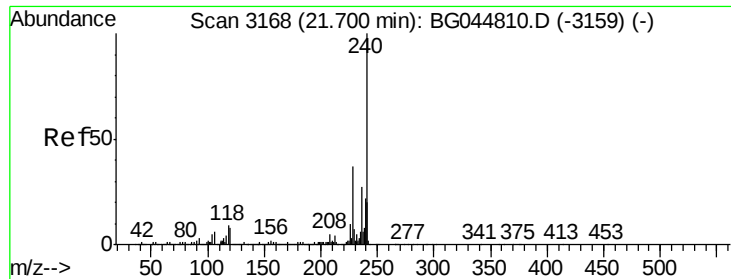
mohammad
3/18/2020 4:00:20 PM



#75
Fluoranthene
Concen: 8.350 ng
RT: 19.47 min Scan# 2788
Delta R.T. -0.01 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	29.8
203	18.4	0.0	39.4





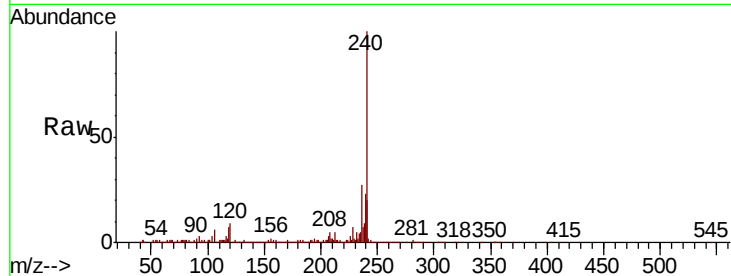
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Instrument :
BNA_G
ClientSampleId :
TP-2-SA

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.0	6.7	10.1
236	27.4	21.5	32.3

Manual Integrations
APPROVED

mohammad
3/18/2020 4:00:20 PM

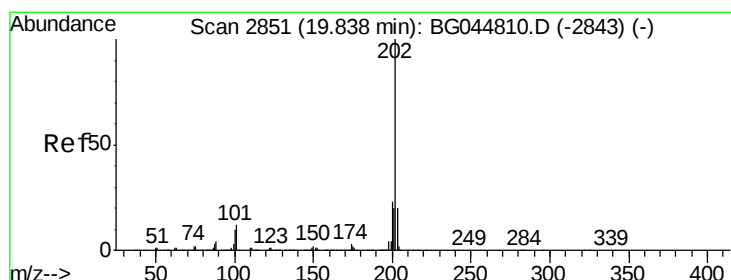
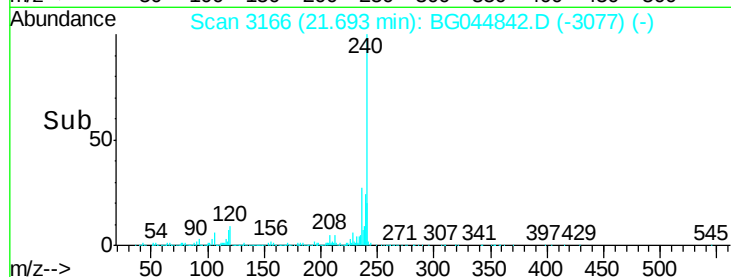
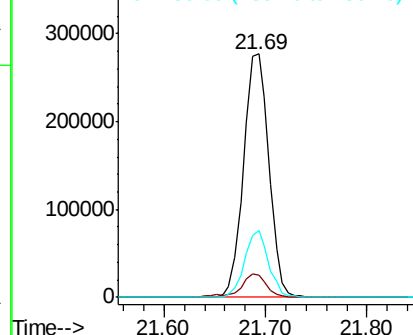


Abundance

Ion 240.00 (239.70 to 240.70): E

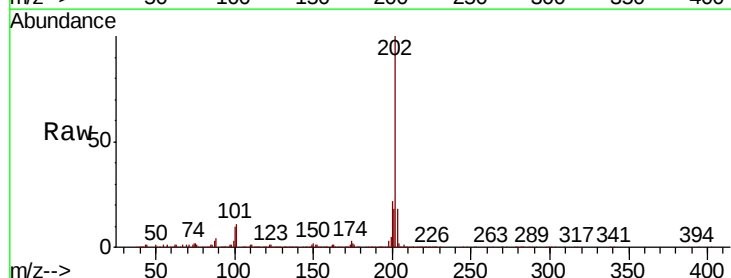
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 8.703 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	18.3	27.5
203	17.7	15.6	23.4

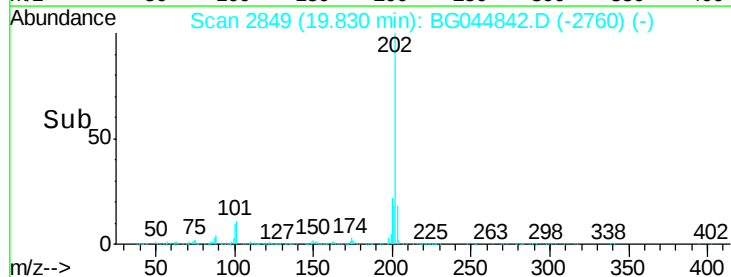
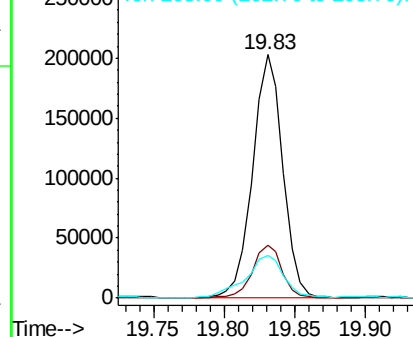


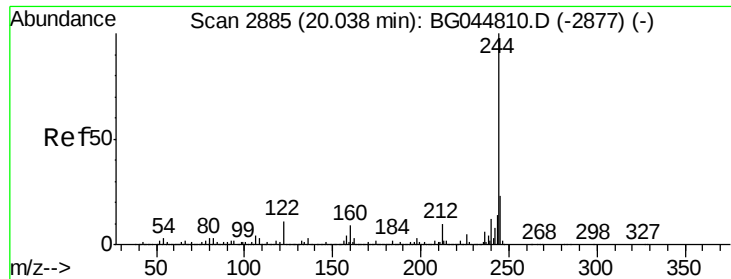
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 64.864 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

Instrument :

BNA_G

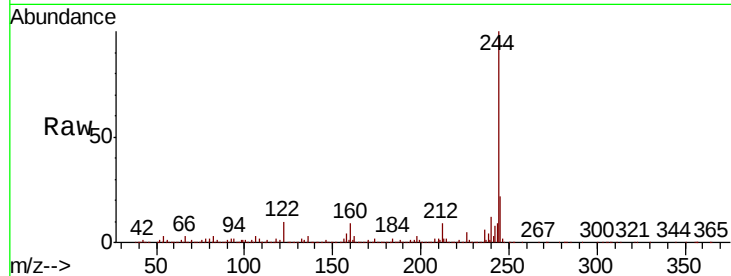
ClientSampleId :

TP-2-SA

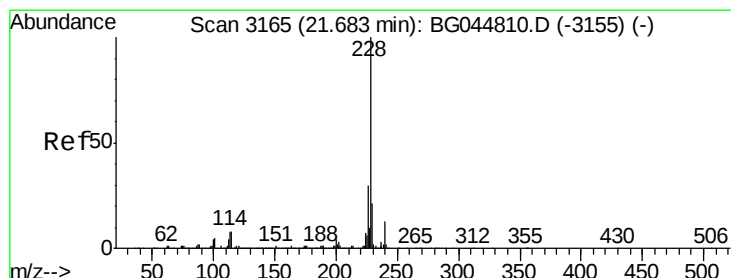
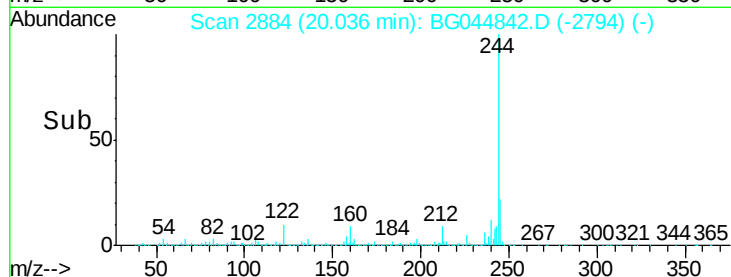
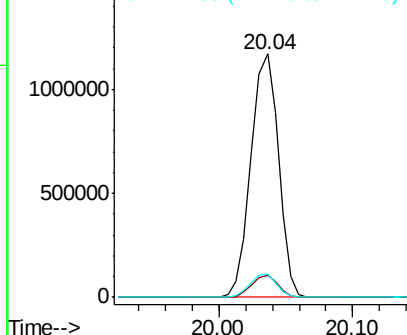
Tot Ion:	244	Resp:	1662891
Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.7	11.5
122	9.7	8.6	12.8

Manual Integrations
APPROVED

mohammad
3/18/2020 4:00:20 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: 5.028 ng

RT: 21.67 min Scan# 3162

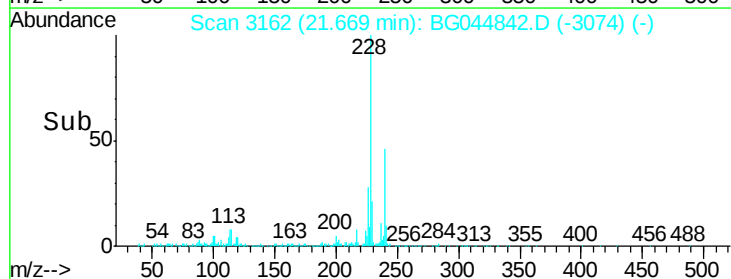
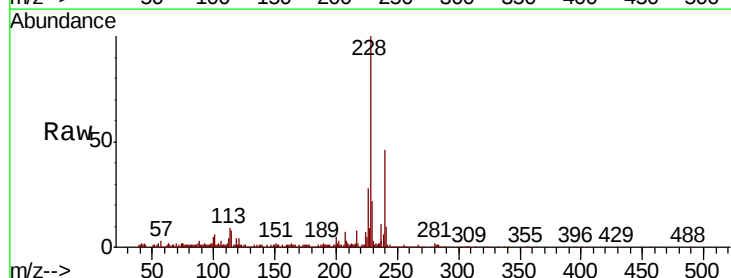
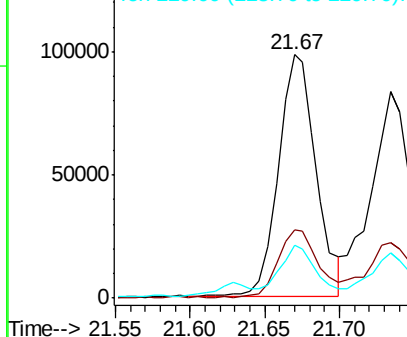
Delta R.T. -0.01 min

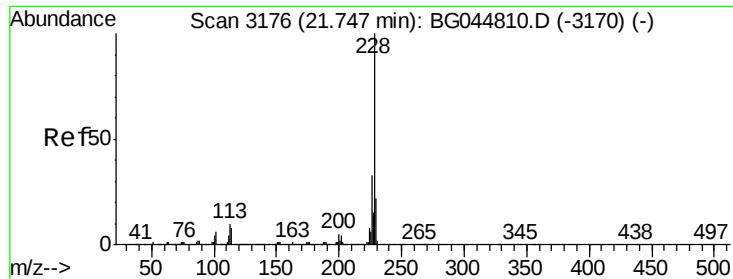
Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

Tgt Ion:	228	Resp:	173611
Ion	Ratio	Lower	Upper
228	100		
226	27.9	23.6	35.4
229	21.9	17.1	25.7

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





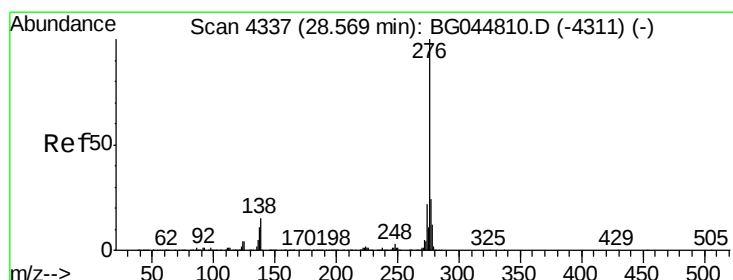
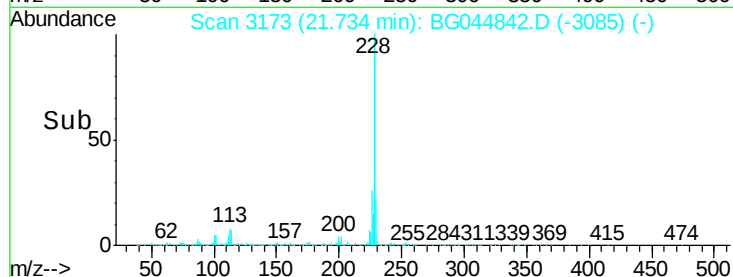
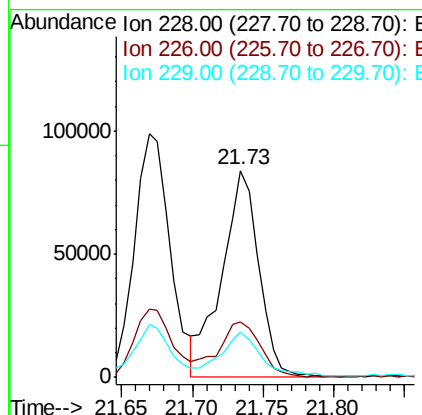
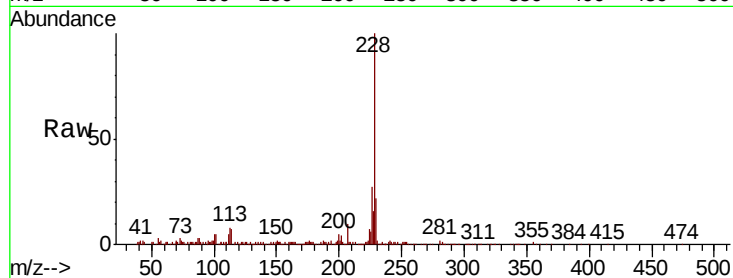
#83
Chrysene
Concen: 4.613 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Instrument :
BNA_G
ClientSampled :
TP-2-SA

Tot Ion:	228	Resp:	152153
Ion Ratio	Lower	Upper	
228	100		
226	26.8	25.9	38.9
229	21.9	17.4	26.0

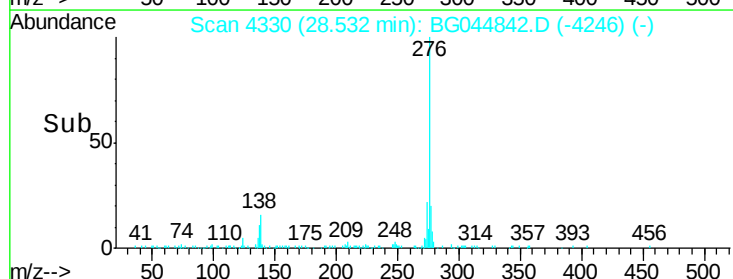
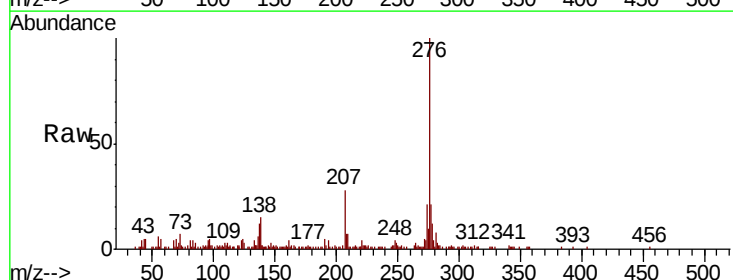
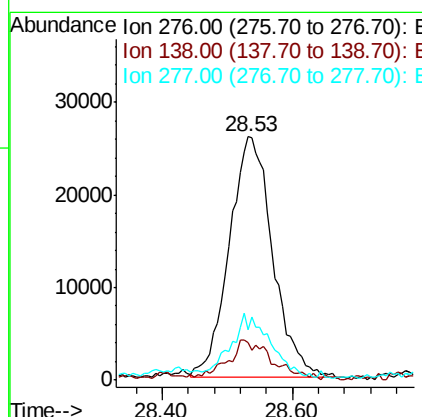
Manual Integrations
APPROVED

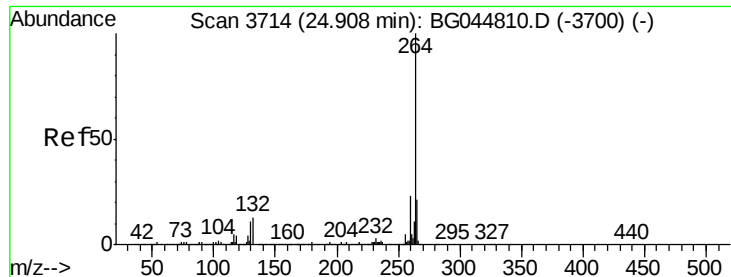
mohammad
3/18/2020 4:00:20 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.768 ng
RT: 28.53 min Scan# 4330
Delta R.T. -0.04 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Tgt Ion:	276	Resp:	119710
Ion Ratio	Lower	Upper	
276	100		
138	8.2	7.4	11.0
277	24.1	20.8	31.2





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.90 min Scan# 3711

Delta R.T. -0.01 min

Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

Instrument :

BNA_G

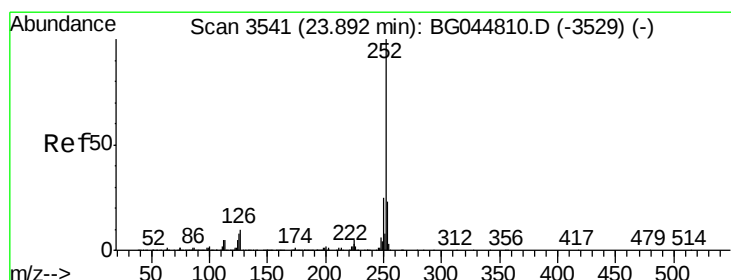
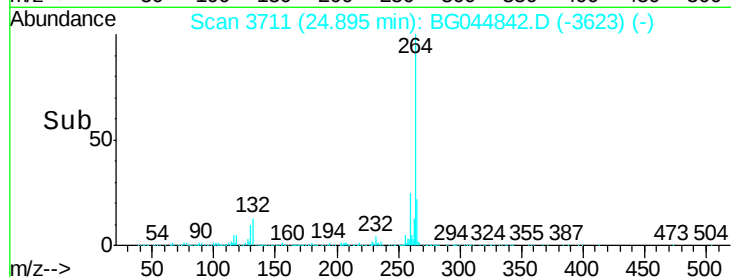
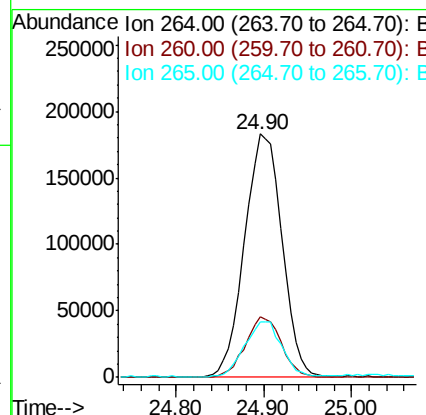
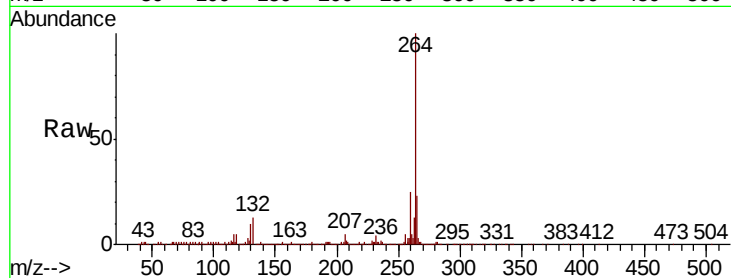
ClientSampleId :

TP-2-SA

Tot Ion:	264	Resp:	535204
Ion Ratio	Lower	Upper	
264	100		
260	24.8	18.1	27.1
265	22.7	17.1	25.7

Manual Integrations
APPROVED

mohammad
3/18/2020 4:00:20 PM



#88

Benzo(b)fluoranthene

Concen: 5.851 ng m

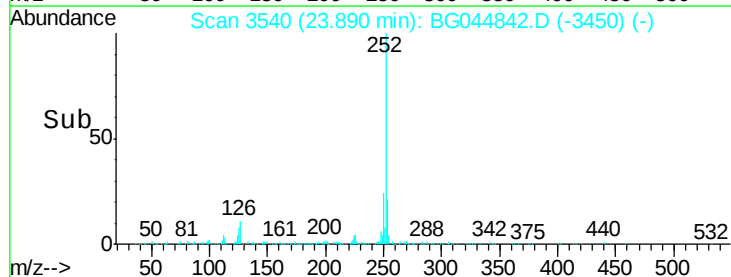
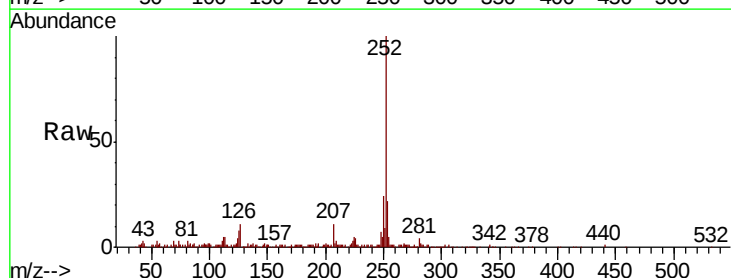
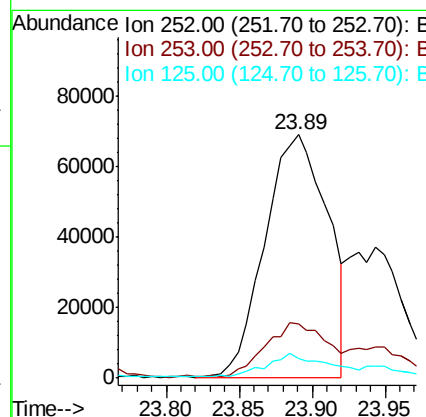
RT: 23.89 min Scan# 3540

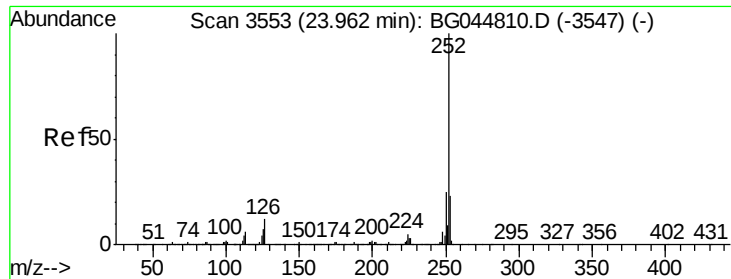
Delta R.T. -0.00 min

Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

Tgt Ion:	252	Resp:	206728
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.1	27.1
125	8.3	6.6	9.8





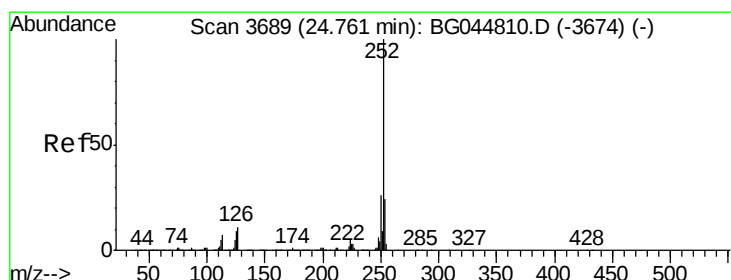
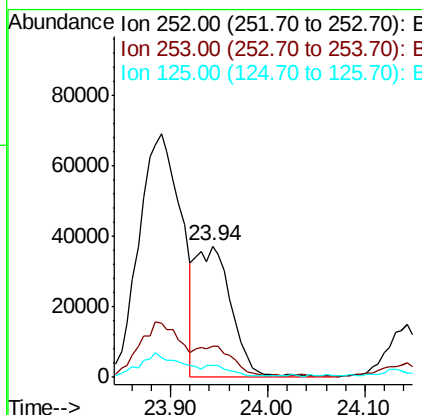
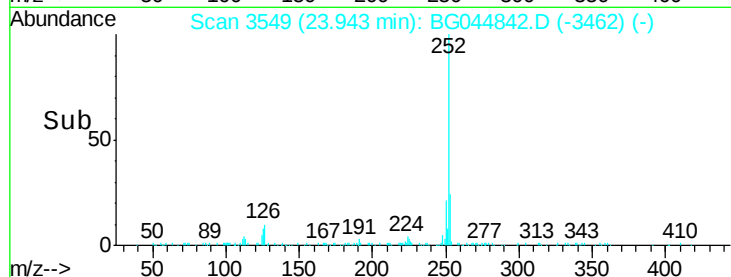
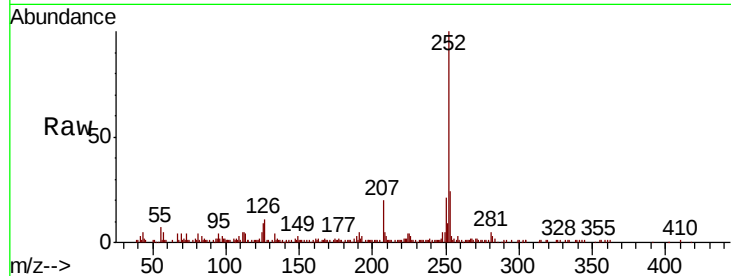
#89
Benzo(k)fluoranthene
Concen: 2.790 ng m
RT: 23.94 min Scan# 3549
Delta R.T. -0.02 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Instrument :
BNA_G
ClientSampleId :
TP-2-SA

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.5	27.7
125	9.1	6.2	9.2

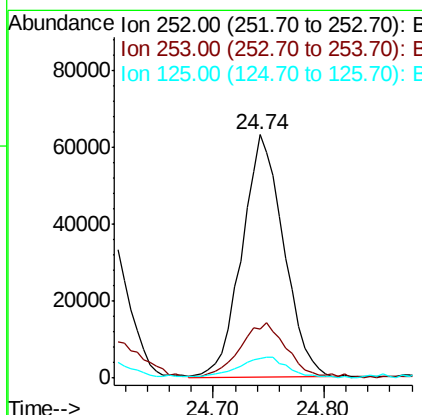
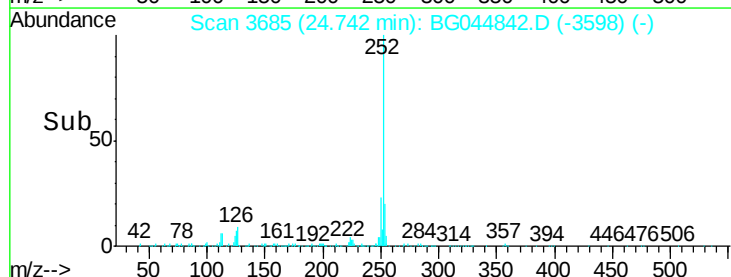
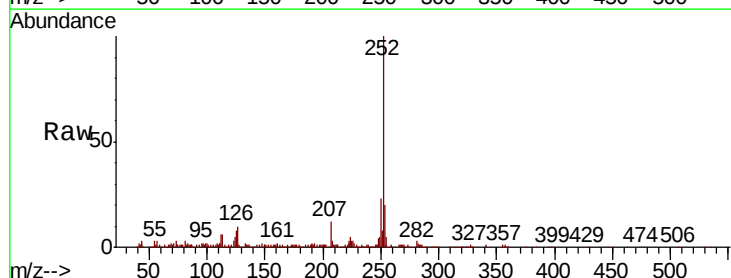
Manual Integrations
APPROVED

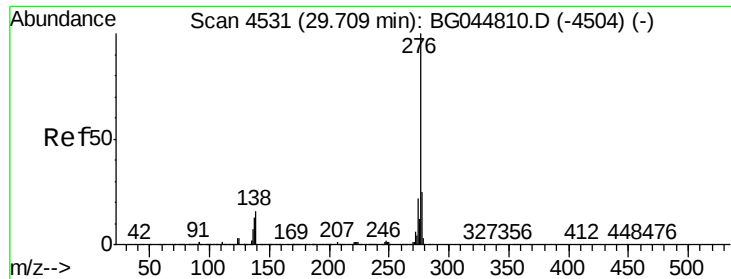
mohammad
3/18/2020 4:00:20 PM



#90
Benzo(a)pyrene
Concen: 5.042 ng
RT: 24.74 min Scan# 3685
Delta R.T. -0.02 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.2	19.4	29.0
125	8.1	7.2	10.8





#92
 Benzo(a,h,i)perylene
 Concen: 3.609 ng
 RT: 29.67 min Scan# 4523
 Delta R.T. -0.04 min
 Lab File: BG044842.D
 Acq: 17 Mar 2020 21:10

Instrument :
 BNA_G
 ClientSampleId :
 TP-2-SA

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	20.1	30.1
138	16.1	13.0	19.6

Manual Integrations
 APPROVED

mohammad
 3/18/2020 4:00:20 PM

