

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041921\
 Data File : BG048792.D
 Acq On : 20 Apr 2021 10:27
 Operator : CG/JU
 Sample : M2074-16
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNPH2-B-11

Manual Integrations
 APPROVED

mohammad
 4/21/2021 8:36:31 AM

Quant Time: Apr 20 12:22:03 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 16 15:59:00 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.073	152	20270	20.00	ng	0.00
21) Naphthalene-d8	10.899	136	91334	20.00	ng	#-0.01
39) Acenaphthene-d10	14.730	164	64125	20.00	ng	-0.01
64) Phenanthrene-d10	17.492	188	139330	20.00	ng	# 0.00
76) Chrysene-d12	21.787	240	130494	20.00	ng	-0.01
86) Perylene-d12	25.124	264	131557	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.623	112	130765	107.90	ng	0.00
7) Phenol-d6	7.239	99	183065	106.79	ng	0.00
23) Nitrobenzene-d5	9.248	82	141028	69.13	ng	0.00
42) 2,4,6-Tribromophenol	16.228	330	73418	85.39	ng	0.00
45) 2-Fluorobiphenyl	13.349	172	291193	65.58	ng	0.00
79) Terphenyl-d14	20.100	244	417231	55.03	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	7.257	94	5441	3.23	ng	94
31) Naphthalene	10.952	128	11974	2.55	ng	# 82
50) Dimethylphthalate	14.172	163	11915	2.48	ng	# 97
71) Phenanthrene	17.533	178	38215	5.28	ng	# 91
75) Fluoranthene	19.542	202	69758	7.63	ng	97
78) Pyrene	19.907	202	63891	7.08	ng	95
81) Benzo(a)anthracene	21.763	228	35453m	3.98	ng	
83) Chrysene	21.834	228	36704	4.32	ng	# 96
88) Benzo(b)fluoranthene	24.060	252	50543	5.66	ng	# 98
90) Benzo(a)pyrene	24.965	252	36379	4.42	ng	# 89
92) Benzo(g,h,i)perylene	30.153	276	24768	3.03	ng	# 90

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

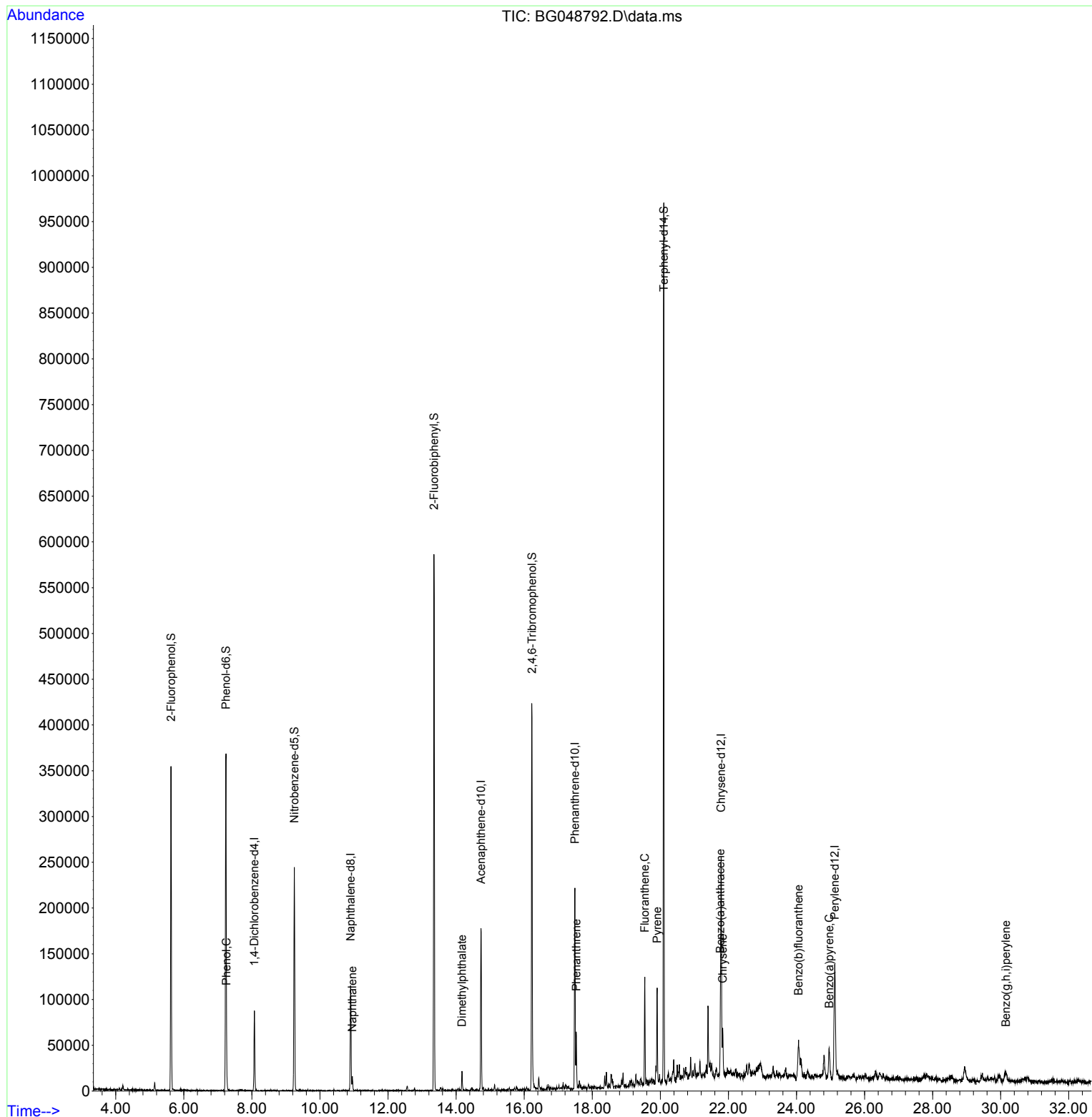
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041921\
Data File : BG048792.D
Acq On : 20 Apr 2021 10:27
Operator : CG/JU
Sample : M2074-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

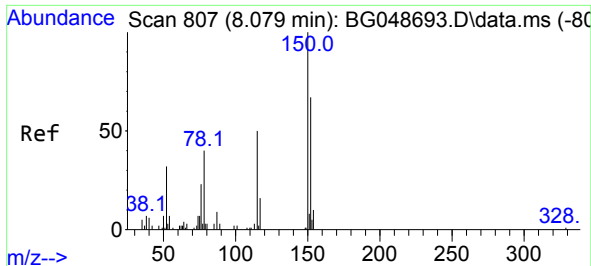
Instrument :
BNA_G
ClientSampleId :
VNP2-B-11

Manual Integrations
APPROVED

mohammad
4/21/2021 8:36:31 AM

Quant Time: Apr 20 12:22:03 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 16 15:59:00 2021
Response via : Initial Calibration





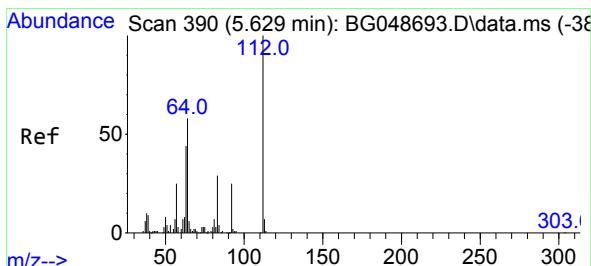
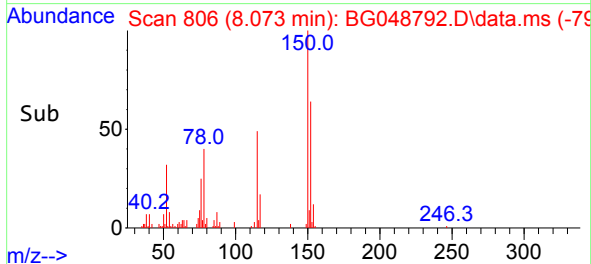
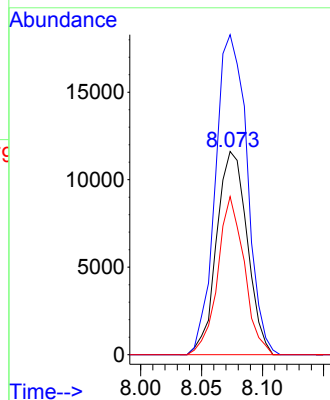
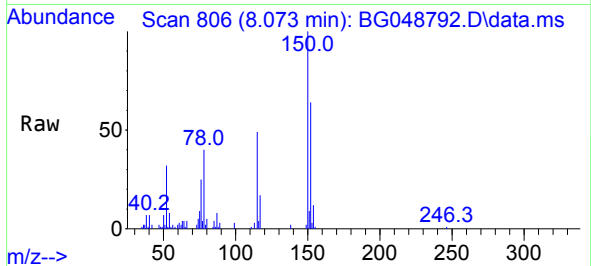
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.073 min Scan# 806
Delta R.T. -0.007 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Tgt Ion:152 Resp: 20270
Ion Ratio Lower Upper
152 100
150 157.5 119.4 179.0
115 77.8 60.2 90.4

Instrument :
BNA_G
ClientSampled :
VNPH2-B-11

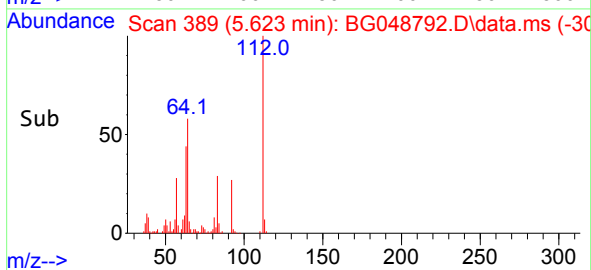
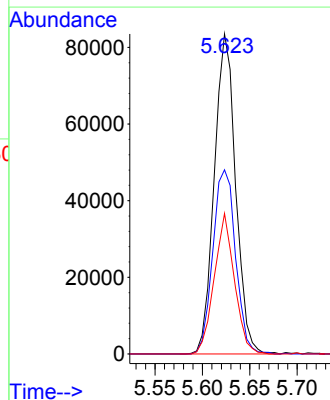
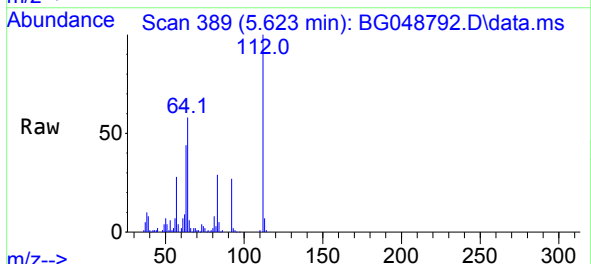
Manual Integrations
APPROVED

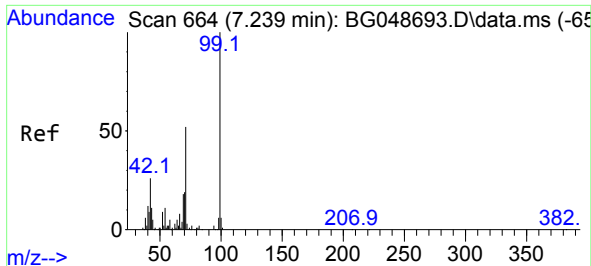
mohammad
4/21/2021 8:36:31 AM



#5
2-Fluorophenol
Concen: 107.90 ng
RT: 5.623 min Scan# 389
Delta R.T. -0.007 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Tgt Ion:112 Resp: 130765
Ion Ratio Lower Upper
112 100
64 57.6 46.7 70.1
63 43.9 35.3 52.9





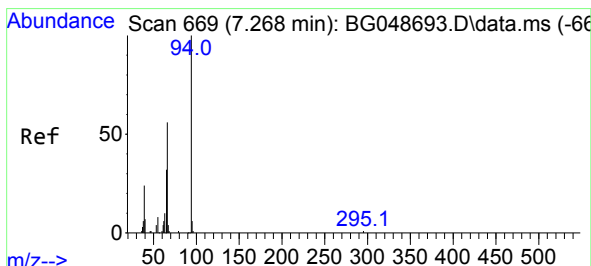
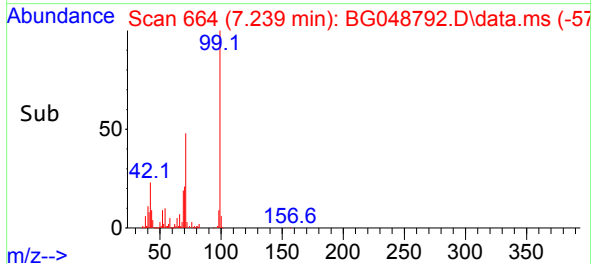
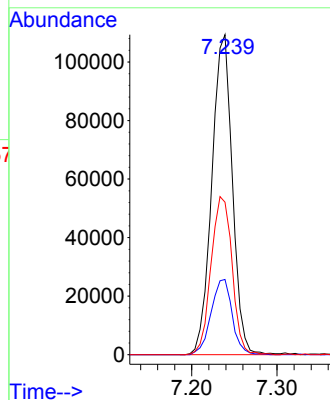
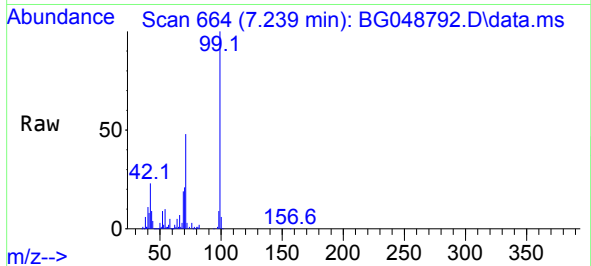
#7
Phenol-d6
Concen: 106.79 ng
RT: 7.239 min Scan# 664
Delta R.T. -0.001 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Tgt Ion:	99	Resp:	183065
Ion	Ratio	Lower	Upper
99	100		
42	23.5	20.5	30.7
71	47.6	41.5	62.3

Instrument :
BNA_G
ClientSampleId :
VNPH2-B-11

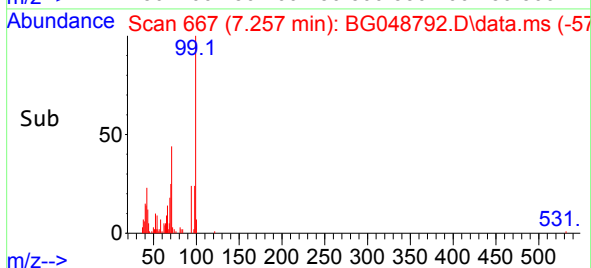
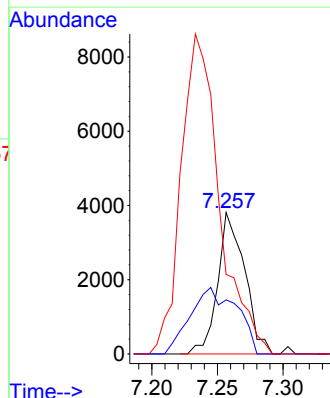
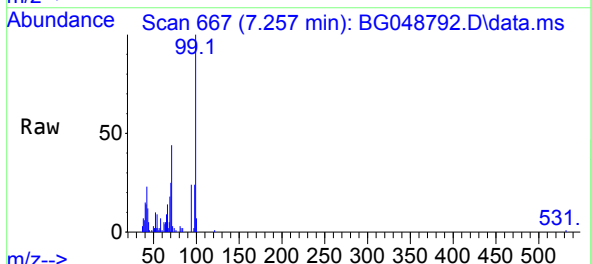
Manual Integrations
APPROVED

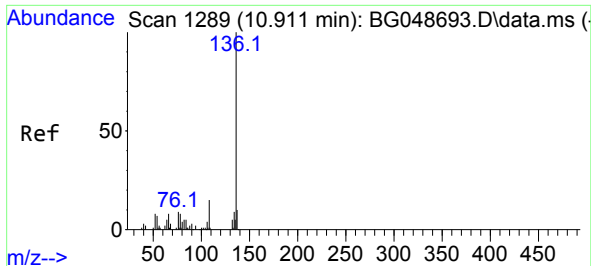
mohammad
4/21/2021 8:36:31 AM



#10
Phenol
Concen: 3.23 ng
RT: 7.257 min Scan# 667
Delta R.T. -0.013 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Tgt Ion:	94	Resp:	5441
Ion	Ratio	Lower	Upper
94	100		
65	38.2	12.9	52.9
66	56.2	39.4	79.4





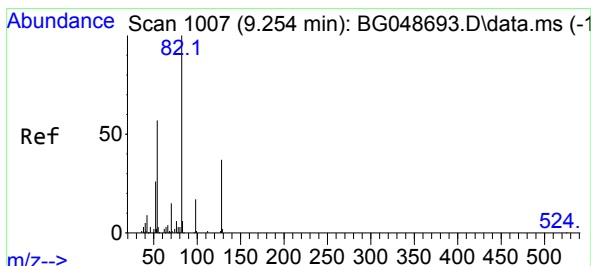
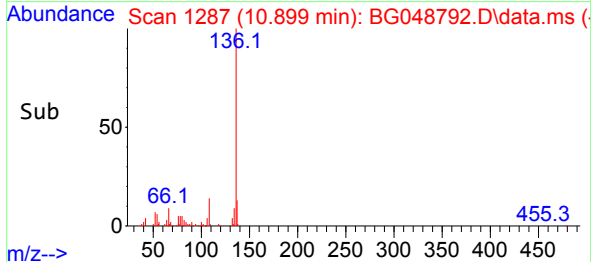
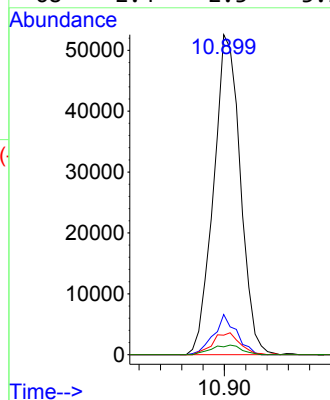
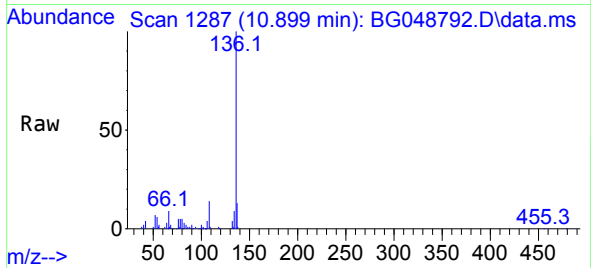
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.899 min Scan# 1287
Delta R.T. -0.013 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Tgt Ion:	136	Resp:	91334
Ion	Ratio	Lower	Upper
136	100		
137	12.5	8.2	12.2#
54	6.1	5.5	8.3
68	2.4	2.3	3.5

Instrument :
BNA_G
ClientSampleId :
VNPH2-B-11

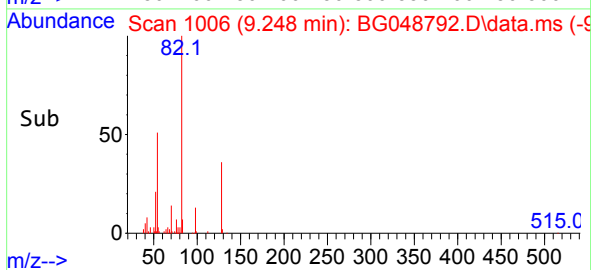
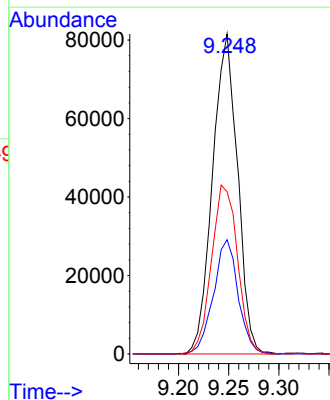
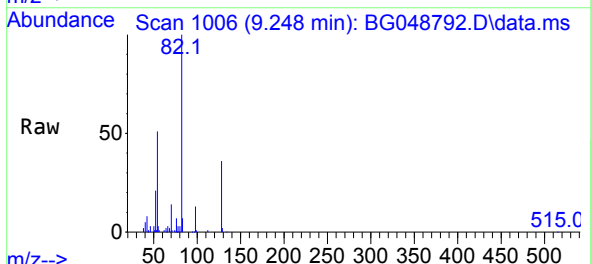
Manual Integrations
APPROVED

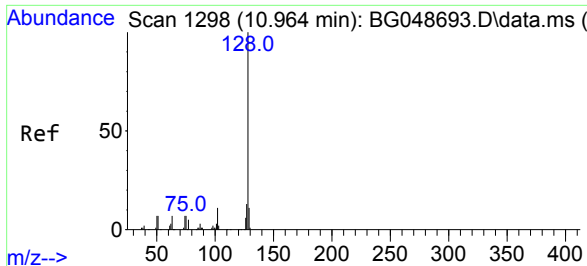
mohammad
4/21/2021 8:36:31 AM



#23
Nitrobenzene-d5
Concen: 69.13 ng
RT: 9.248 min Scan# 1006
Delta R.T. -0.007 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Tgt Ion:	82	Resp:	141028
Ion	Ratio	Lower	Upper
82	100		
128	35.7	29.8	44.6
54	50.7	45.8	68.8





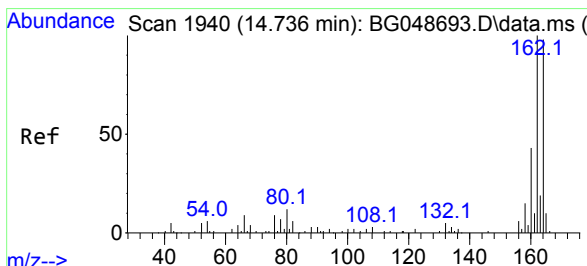
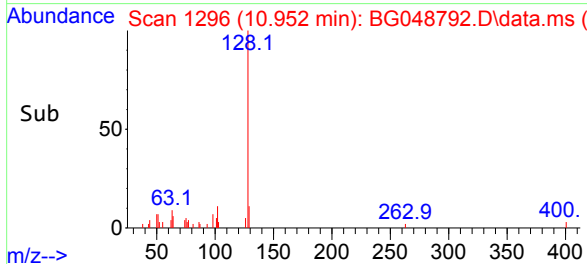
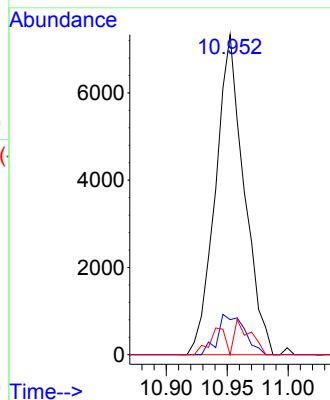
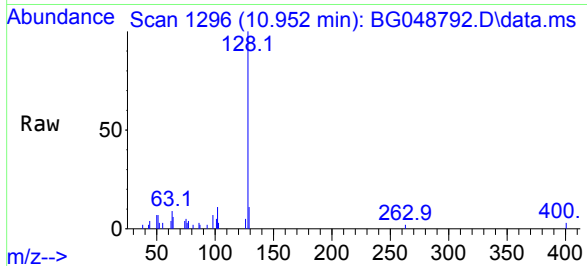
#31
Naphthalene
Concen: 2.55 ng
RT: 10.952 min Scan# 1296
Delta R.T. -0.007 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Tgt Ion:128 Resp: 11974
Ion Ratio Lower Upper
128 100
129 10.9 8.5 12.7
127 0.0 10.2 15.4#

Instrument :
BNA_G
ClientSampled :
VNPH2-B-11

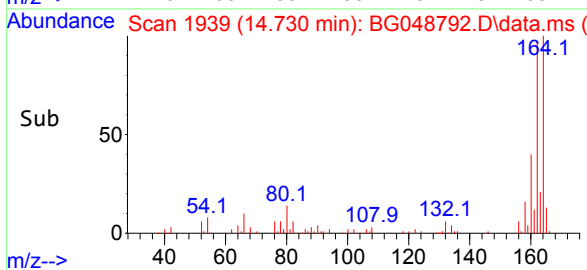
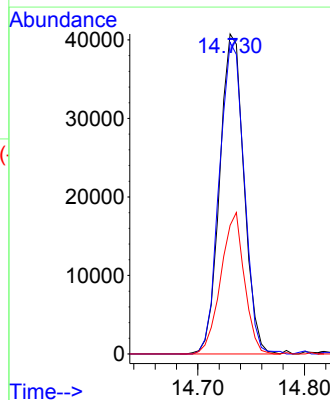
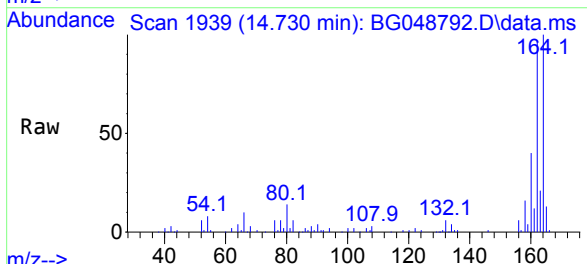
Manual Integrations
APPROVED

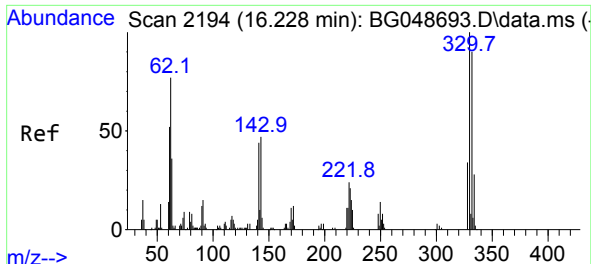
mohammad
4/21/2021 8:36:31 AM



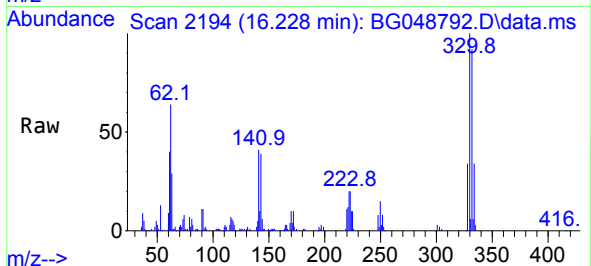
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.730 min Scan# 1939
Delta R.T. -0.013 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Tgt Ion:164 Resp: 64125
Ion Ratio Lower Upper
164 100
162 97.4 81.4 122.0
160 40.2 34.9 52.3

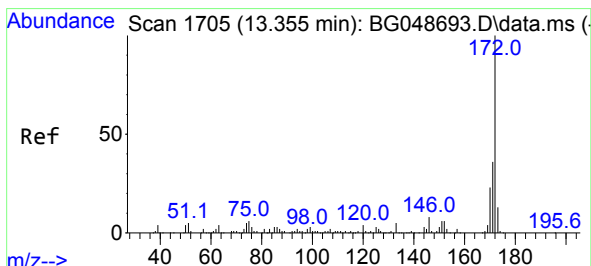
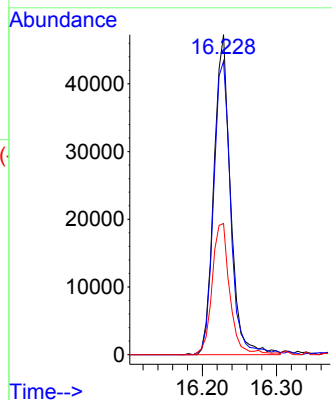
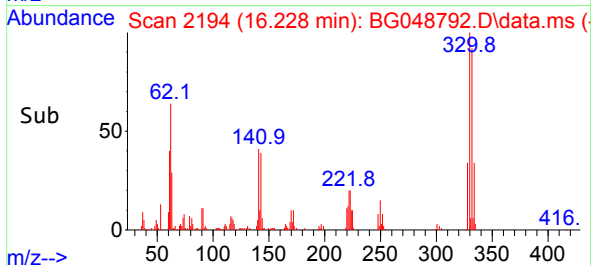




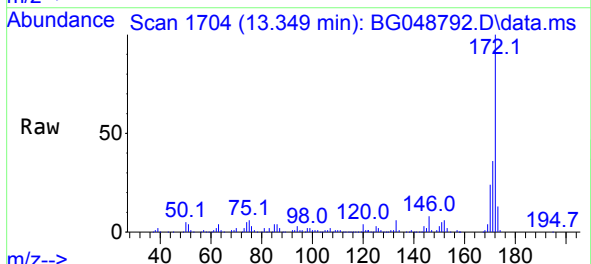
#42
2,4,6-Tribromophenol
Concen: 85.39 ng
RT: 16.228 min Scan# 2194
Delta R.T. -0.007 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27



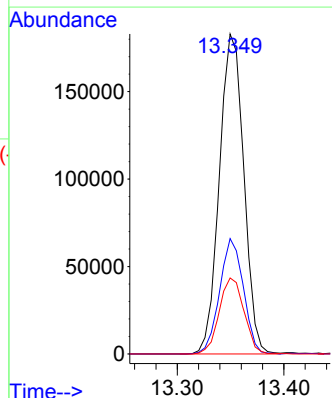
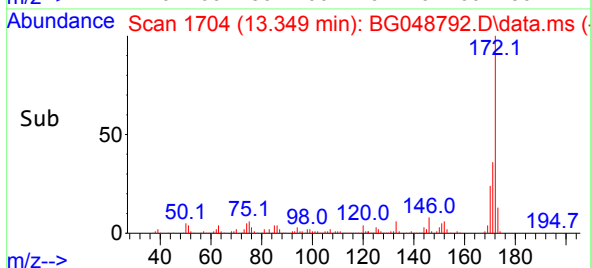
Tgt Ion:330 Resp: 73418
Ion Ratio Lower Upper
330 100
332 94.4 77.3 115.9
141 43.4 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 65.58 ng
RT: 13.349 min Scan# 1704
Delta R.T. -0.007 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27



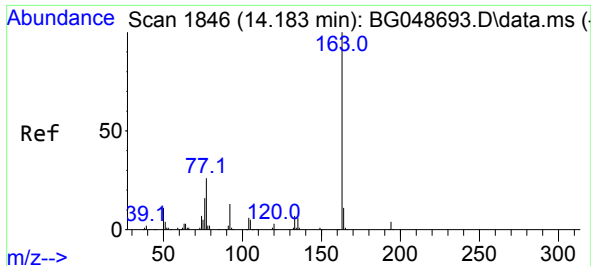
Tgt Ion:172 Resp: 291193
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 23.8 18.6 27.8



Instrument :
BNA_G
ClientSampled :
VNPH2-B-11

Manual Integrations
APPROVED

mohammad
4/21/2021 8:36:31 AM



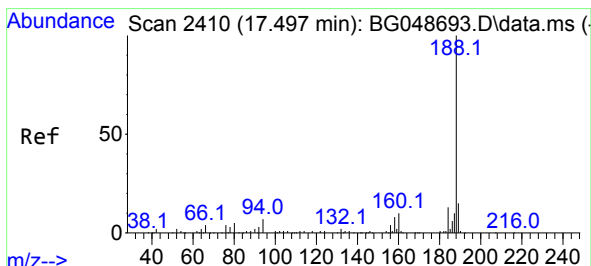
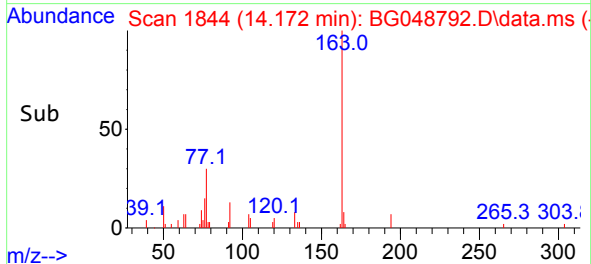
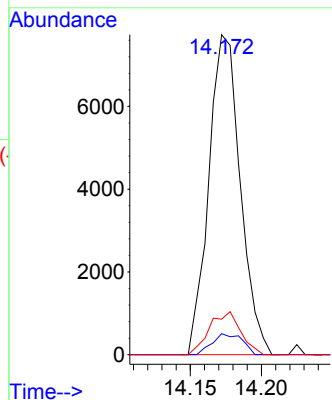
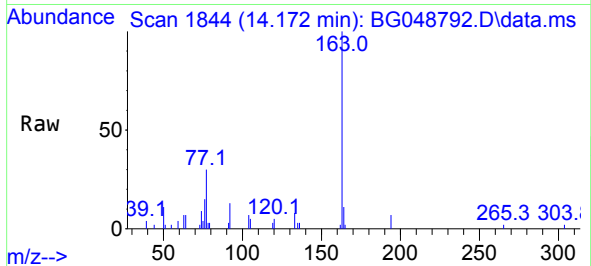
#50
Dimethylphthalate
Concen: 2.48 ng
RT: 14.172 min Scan# 1844
Delta R.T. -0.013 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Tgt Ion:163 Resp: 11915
Ion Ratio Lower Upper
163 100
194 6.6 3.0 4.6#
164 11.1 8.6 12.8

Instrument :
BNA_G
ClientSampleId :
VNPH2-B-11

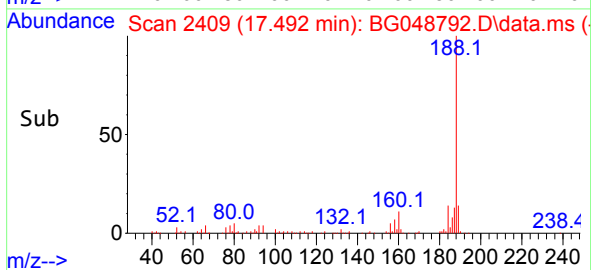
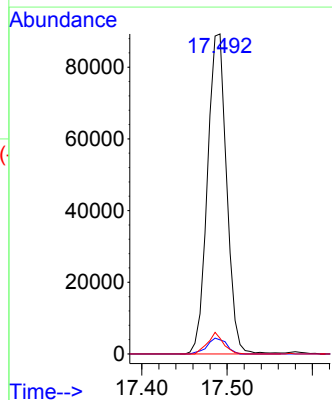
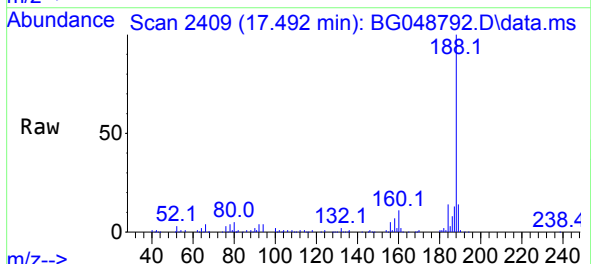
Manual Integrations
APPROVED

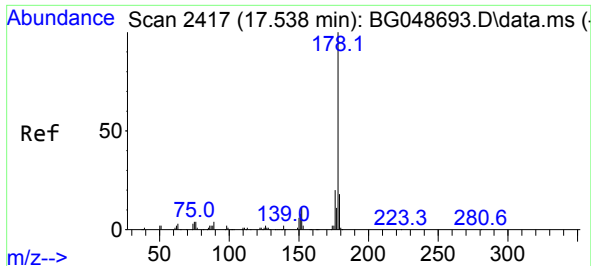
mohammad
4/21/2021 8:36:31 AM



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.492 min Scan# 2409
Delta R.T. -0.007 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Tgt Ion:188 Resp: 139330
Ion Ratio Lower Upper
188 100
94 4.4 5.4 8.0#
80 4.9 3.7 5.5





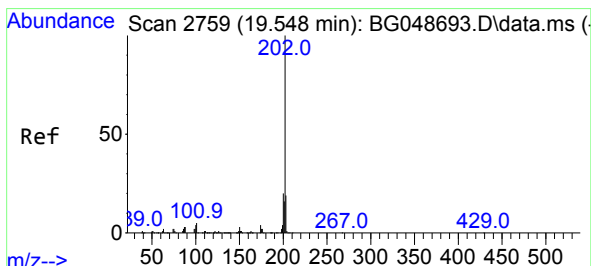
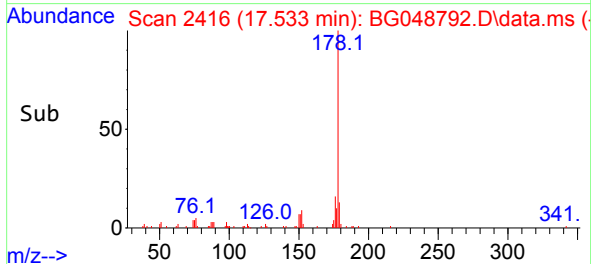
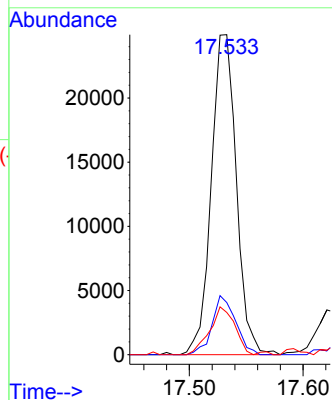
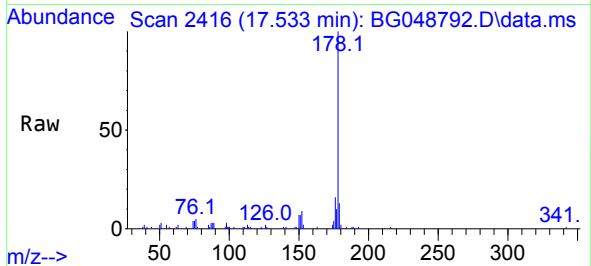
#71
Phenanthrene
Concen: 5.28 ng
RT: 17.533 min Scan# 2416
Delta R.T. -0.007 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Tgt Ion:178 Resp: 38215
Ion Ratio Lower Upper
178 100
176 16.3 16.0 24.0
179 13.2 14.2 21.4#

Instrument :
BNA_G
ClientSampleId :
VNPH2-B-11

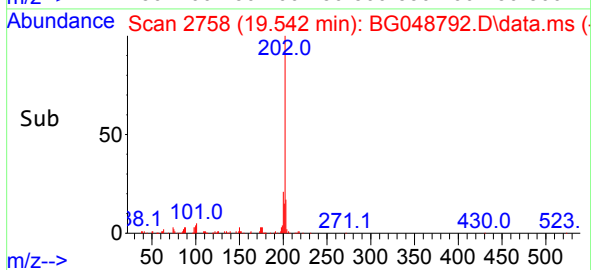
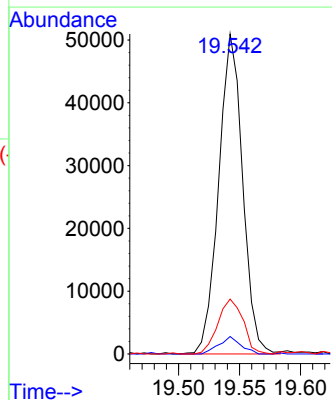
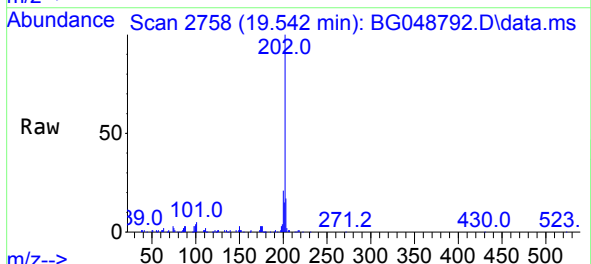
Manual Integrations
APPROVED

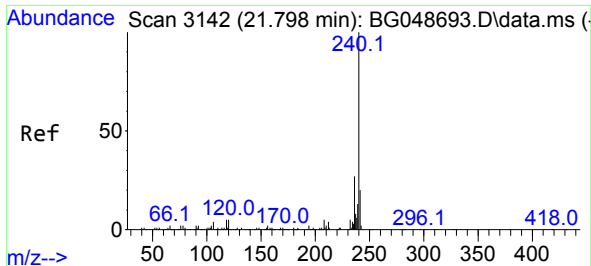
mohammad
4/21/2021 8:36:31 AM



#75
Fluoranthene
Concen: 7.63 ng
RT: 19.542 min Scan# 2758
Delta R.T. -0.013 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

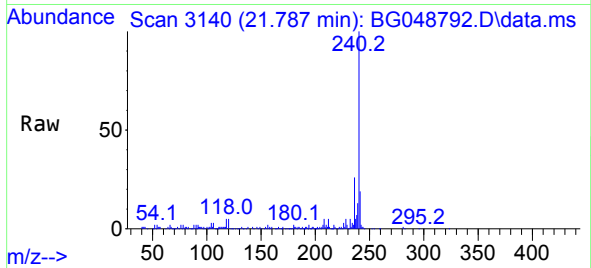
Tgt Ion:202 Resp: 69758
Ion Ratio Lower Upper
202 100
101 5.5 0.0 24.7
203 17.1 0.0 38.5





#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.787 min Scan# 3140
Delta R.T. -0.013 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

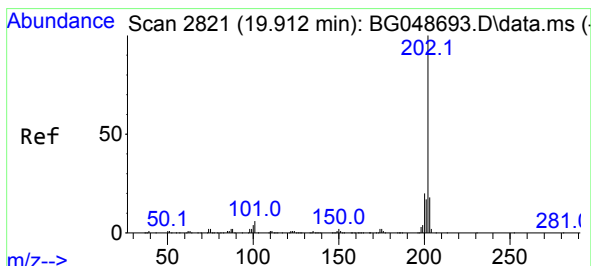
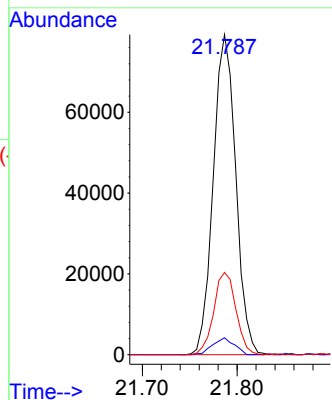
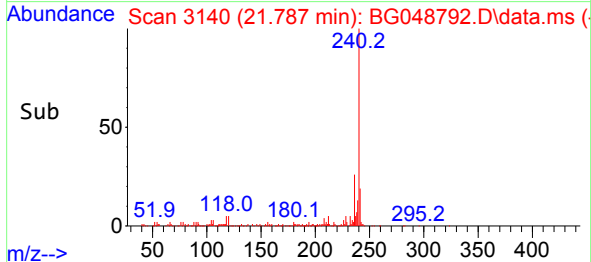
Instrument :
BNA_G
ClientSampled :
VNPH2-B-11



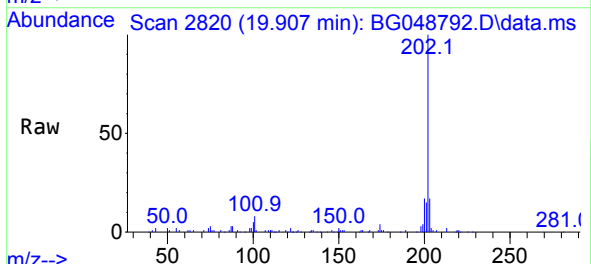
Tgt Ion:240 Resp: 130494
Ion Ratio Lower Upper
240 100
120 5.3 4.2 6.2
236 25.7 21.8 32.6

Manual Integrations
APPROVED

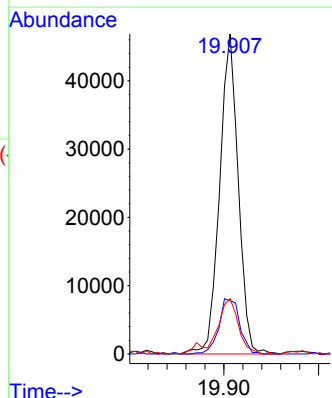
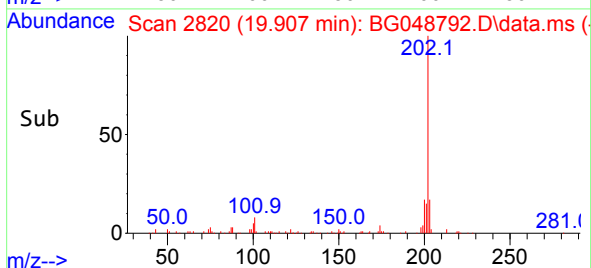
mohammad
4/21/2021 8:36:31 AM

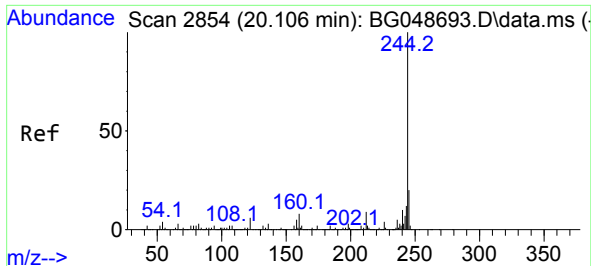


#78
Pyrene
Concen: 7.08 ng
RT: 19.907 min Scan# 2820
Delta R.T. -0.007 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

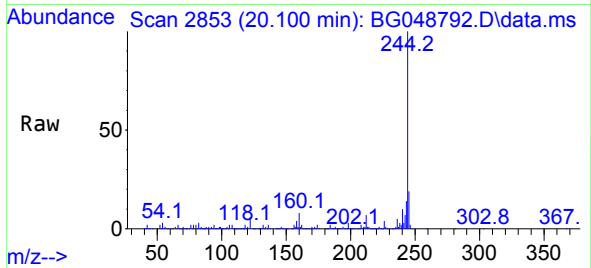


Tgt Ion:202 Resp: 63891
Ion Ratio Lower Upper
202 100
200 16.6 15.8 23.8
203 17.3 14.6 21.8

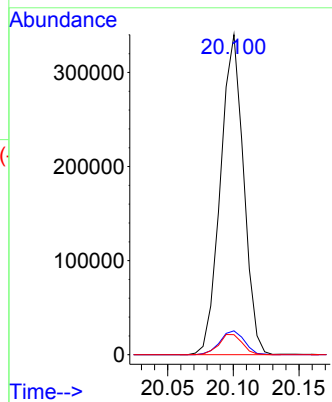
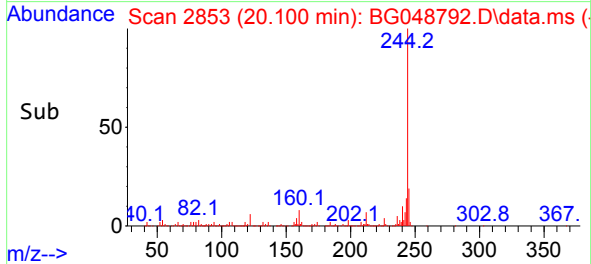




#79
Terphenyl-d14
Concen: 55.03 ng
RT: 20.100 min Scan# 2853
Delta R.T. -0.007 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27



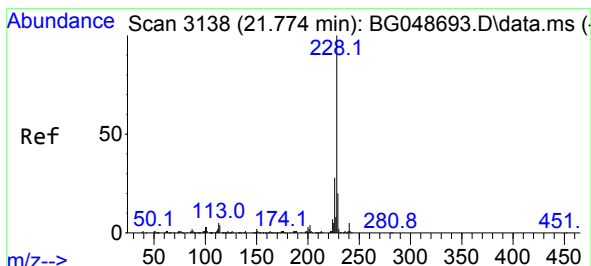
Tgt Ion:244 Resp: 417231
Ion Ratio Lower Upper
244 100
212 7.4 6.9 10.3
122 6.3 5.0 7.6



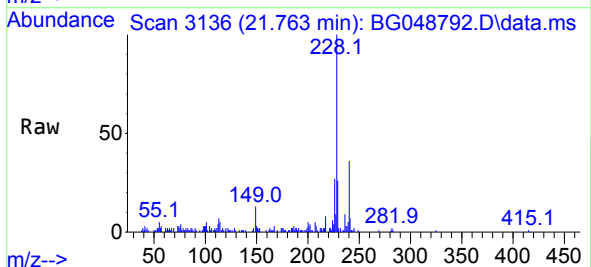
Instrument :
BNA_G
ClientSampled :
VNPH2-B-11

Manual Integrations
APPROVED

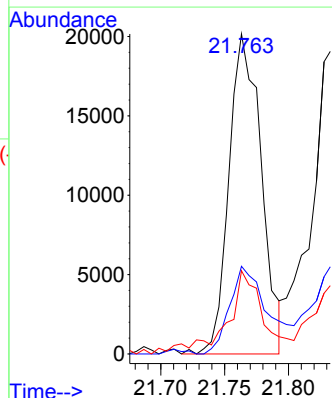
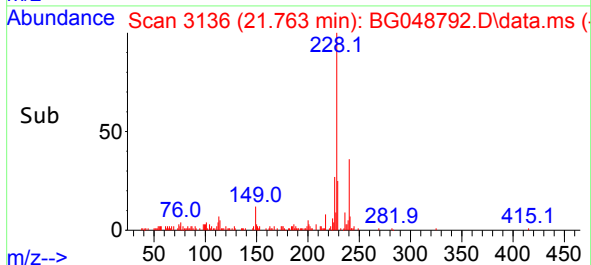
mohammad
4/21/2021 8:36:31 AM

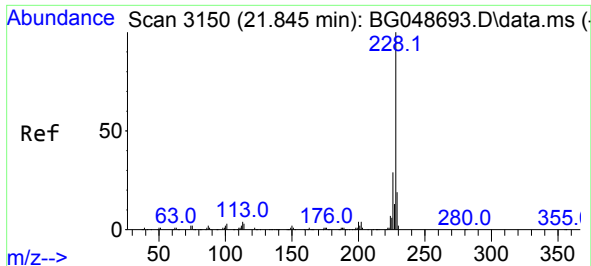


#81
Benzo(a)anthracene
Concen: 3.98 ng m
RT: 21.763 min Scan# 3136
Delta R.T. -0.018 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27



Tgt Ion:228 Resp: 35453
Ion Ratio Lower Upper
228 100
226 27.4 22.7 34.1
229 26.0 16.0 24.0#





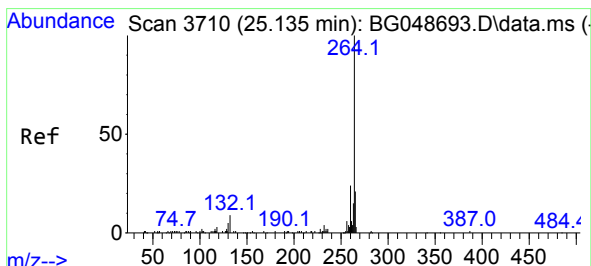
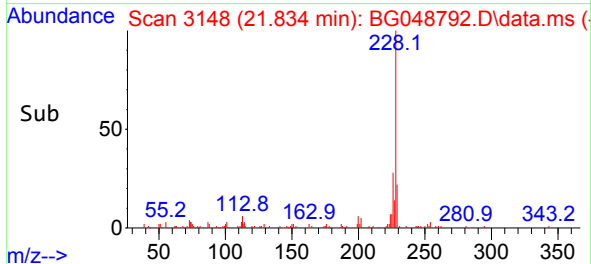
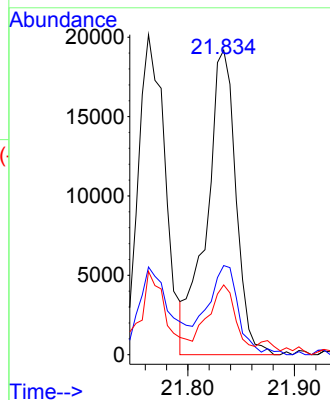
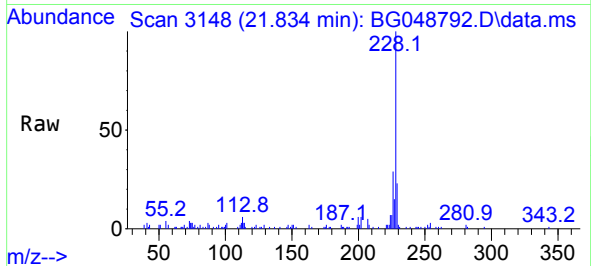
#83
Chrysene
Concen: 4.32 ng
RT: 21.834 min Scan# 3148
Delta R.T. -0.013 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Tgt Ion:	228	Resp:	36704
Ion Ratio	Lower	Upper	
228	100		
226	29.3	23.1	34.7
229	22.9	15.3	22.9#

Instrument :
BNA_G
ClientSampled :
VNPH2-B-11

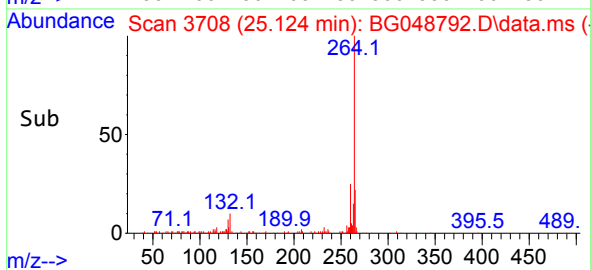
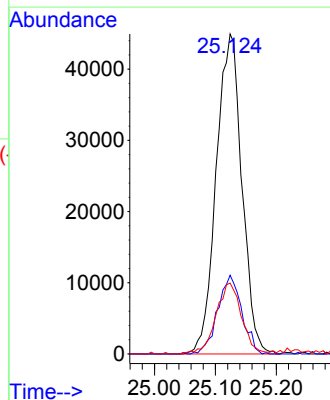
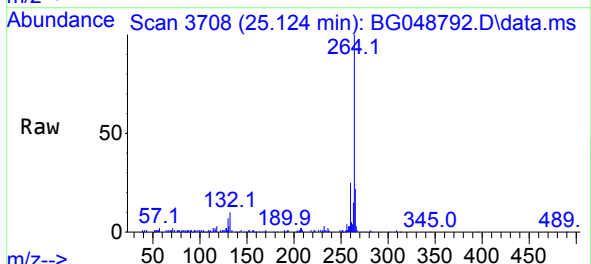
Manual Integrations
APPROVED

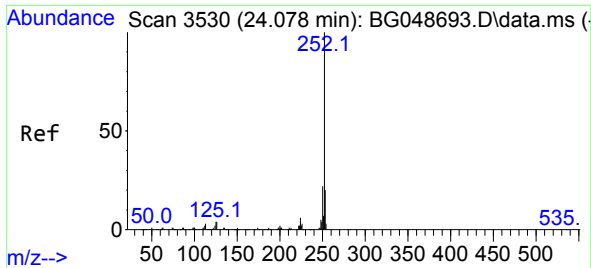
mohammad
4/21/2021 8:36:31 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.124 min Scan# 3708
Delta R.T. -0.018 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

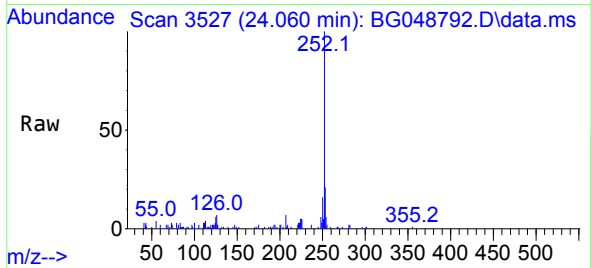
Tgt Ion:	264	Resp:	131557
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.4	29.2
265	22.1	16.9	25.3





#88
Benzo(b)fluoranthene
Concen: 5.66 ng
RT: 24.060 min Scan# 3527
Delta R.T. -0.018 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

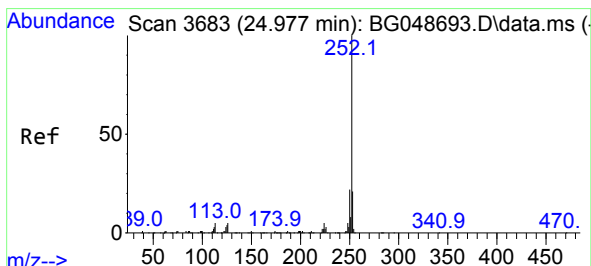
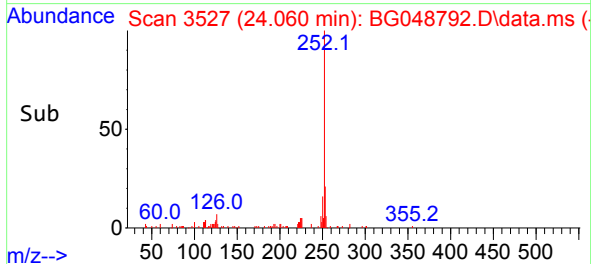
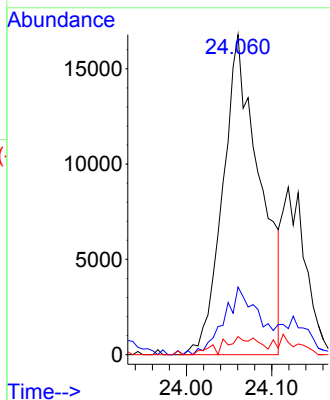
Instrument :
BNA_G
ClientSampleId :
VNPH2-B-11



Tgt Ion:252 Resp: 50543
Ion Ratio Lower Upper
252 100
253 21.2 16.2 24.4
125 5.7 3.0 4.4#

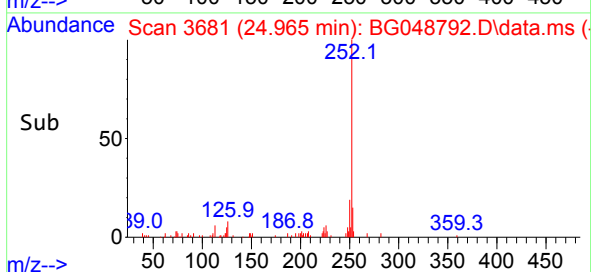
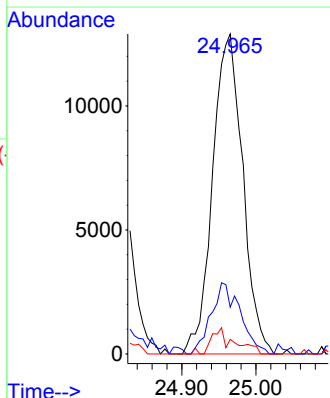
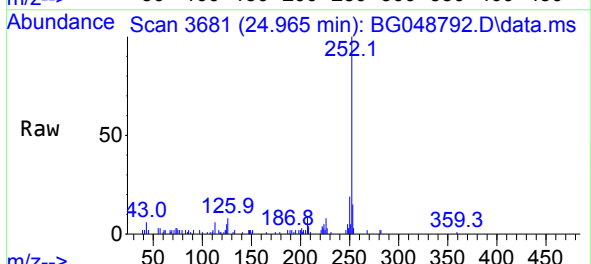
Manual Integrations
APPROVED

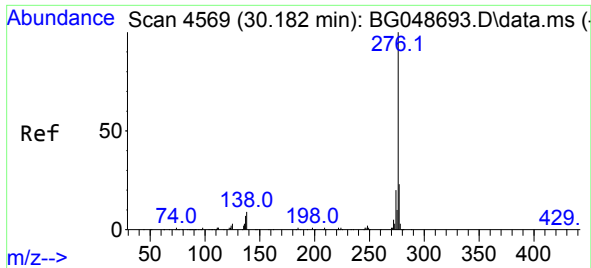
mohammad
4/21/2021 8:36:31 AM



#90
Benzo(a)pyrene
Concen: 4.42 ng
RT: 24.965 min Scan# 3681
Delta R.T. -0.018 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

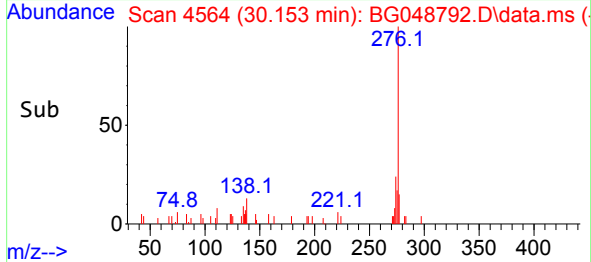
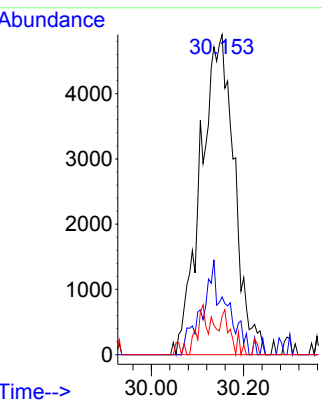
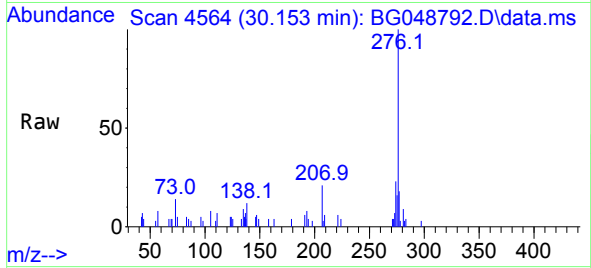
Tgt Ion:252 Resp: 36379
Ion Ratio Lower Upper
252 100
253 14.6 16.6 25.0#
125 4.6 3.5 5.3





#92
Benzo(g,h,i)perylene
Concen: 3.03 ng
RT: 30.153 min Scan# 4564
Delta R.T. -0.036 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	18.0	18.4	27.6#
138	12.2	7.0	10.6#



Instrument :
BNA_G
ClientSampleId :
VNPH2-B-11

Manual Integrations
APPROVED

mohammad
4/21/2021 8:36:31 AM