

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
 Data File : BG054830.D
 Acq On : 1 Sep 2022 20:26
 Operator : CG/JU
 Sample : N4439-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 KTS2-TR-02-0-12

Quant Time: Sep 02 02:56:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 09/02/2022
 Supervised By : Jagrut Upadhyay 09/02/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.146	152	49310	20.000	ng	0.00
21) Naphthalene-d8	10.972	136	199924	20.000	ng	0.00
39) Acenaphthene-d10	14.780	164	129249	20.000	ng	0.00
64) Phenanthrene-d10	17.529	188	260215	20.000	ng	0.00
76) Chrysene-d12	21.824	240	247516	20.000	ng	0.00
86) Perylene-d12	25.197	264	267010	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	284543	100.485	ng	0.00
7) Phenol-d6	7.300	99	389275	100.521	ng	0.00
23) Nitrobenzene-d5	9.321	82	238349	62.586	ng	0.00
42) 2,4,6-Tribromophenol	16.272	330	161281	99.861	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	530387	61.678	ng	0.00
79) Terphenyl-d14	20.126	244	757221	60.616	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.025	128	53353	4.974	ng	98
37) 2-Methylnaphthalene	12.618	142	31042	4.129	ng	# 75
38) 1-Methylnaphthalene	12.841	142	28542	3.902	ng	# 95
49) Acenaphthylene	14.510	152	44556	3.704	ng	# 96
50) Dimethylphthalate	14.222	163	30302	3.043	ng	# 96
52) Acenaphthene	14.844	154	27796	3.597	ng	96
58) Fluorene	15.826	166	20242	2.116	ng	# 93
71) Phenanthrene	17.571	178	118248	8.530	ng	99
72) Anthracene	17.665	178	43601	3.235	ng	99
75) Fluoranthene	19.586	202	153767	9.119	ng	99
78) Pyrene	19.938	202	191317	11.085	ng	97
81) Benzo(a)anthracene	21.807	228	152176	9.068	ng	97
83) Chrysene	21.871	228	170411	10.620	ng	96
87) Indeno(1,2,3-cd)pyrene	29.075	276	114420	5.645	ng	# 92
88) Benzo(b)fluoranthene	24.122	252	253883	15.157	ng	97
89) Benzo(k)fluoranthene	24.186	252	90148m	5.348	ng	
90) Benzo(a)pyrene	25.038	252	133799	9.350	ng	98
91) Dibenzo(a,h)anthracene	29.122	278	36389	2.203	ng	# 82
92) Benzo(g,h,i)perylene	30.303	276	109517	6.564	ng	96

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

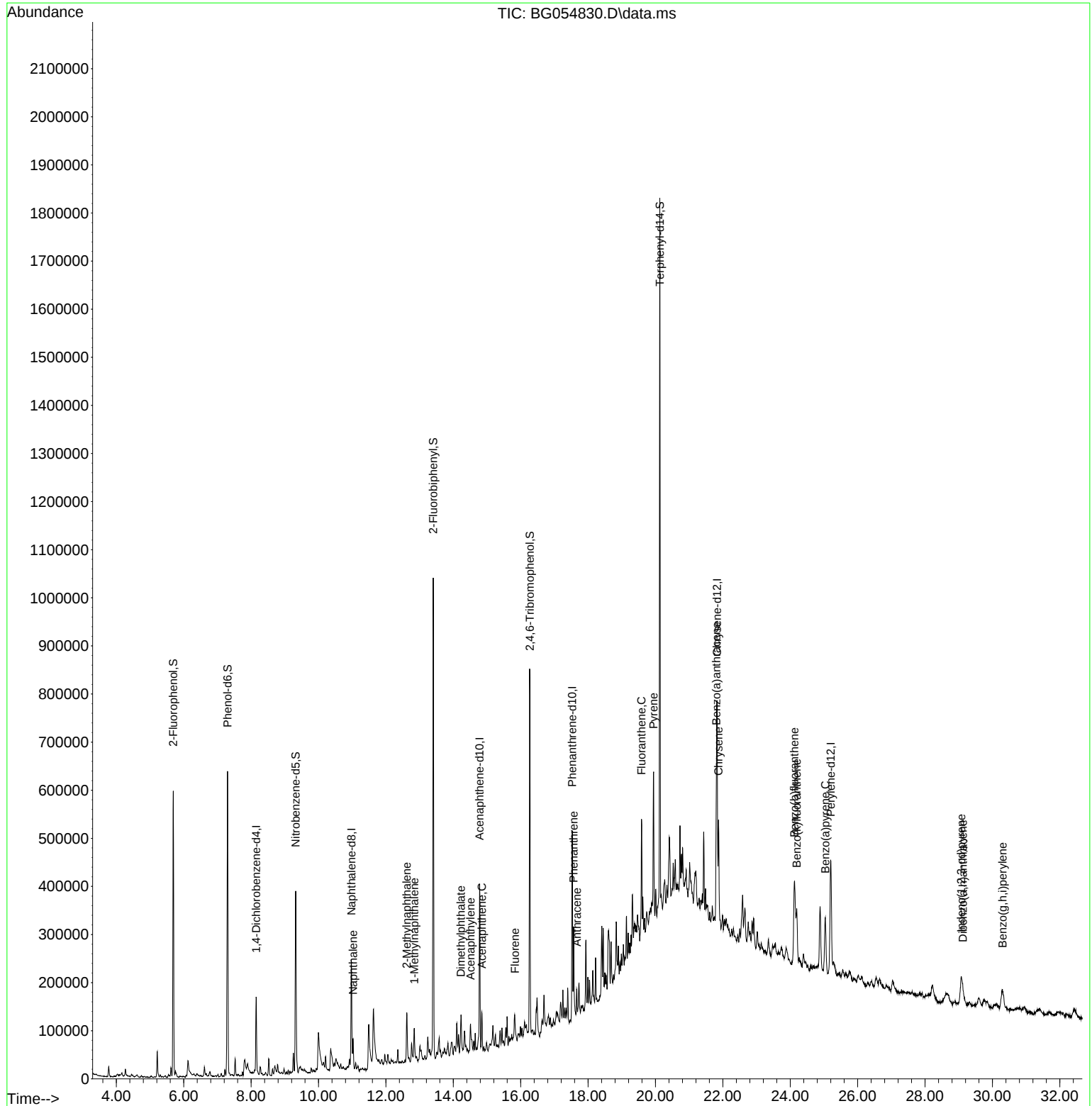
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054830.D
Acq On : 1 Sep 2022 20:26
Operator : CG/JU
Sample : N4439-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

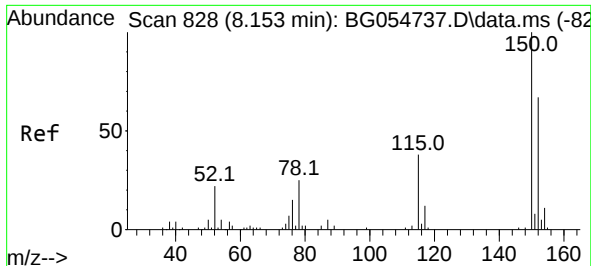
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-02-0-12

Quant Time: Sep 02 02:56:39 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 25 17:50:55 2022
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APPROVED

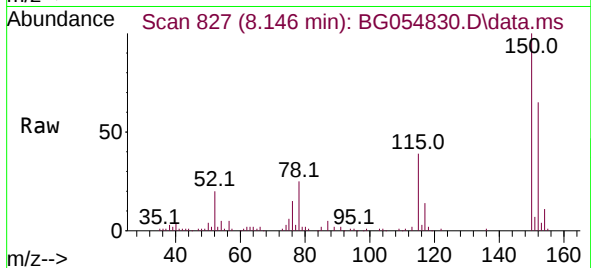
Reviewed By : Christian Giraldo 09/02/2022
Supervised By : Jagrut Upadhyay 09/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.146 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26

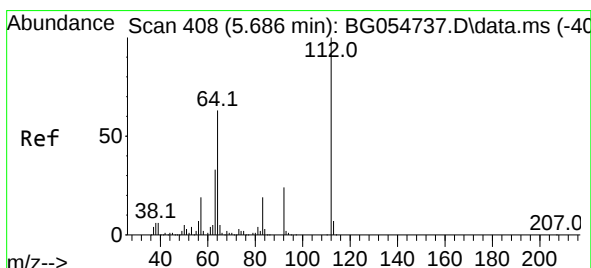
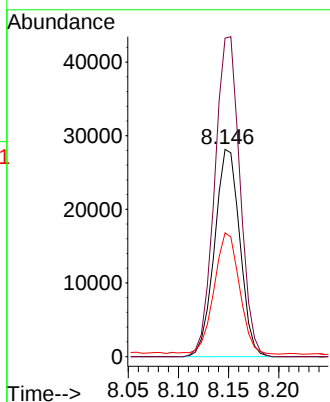
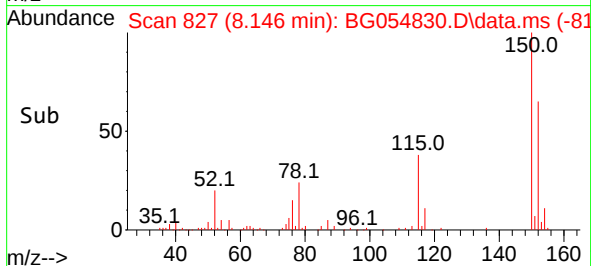
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-02-0-12



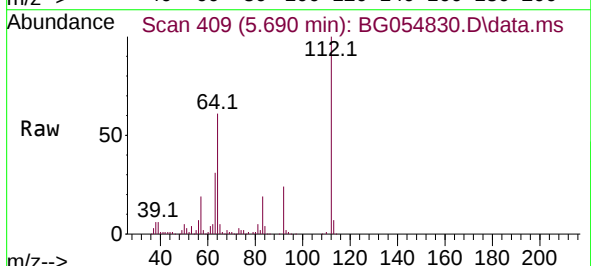
Tgt Ion:152 Resp: 49310
Ion Ratio Lower Upper
152 100
150 153.6 125.2 187.8
115 59.7 47.9 71.9

Manual Integrations
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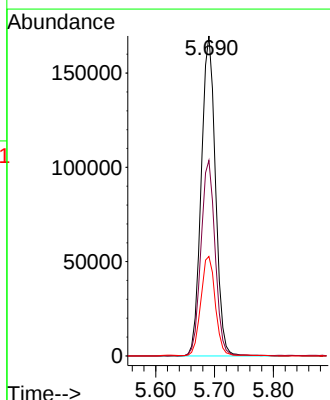
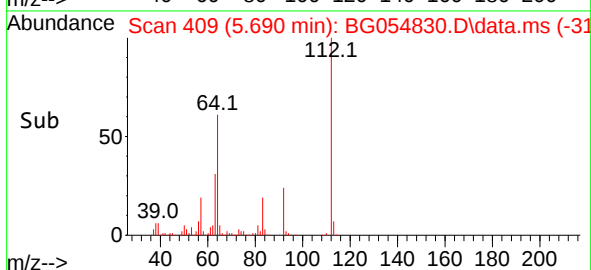
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022

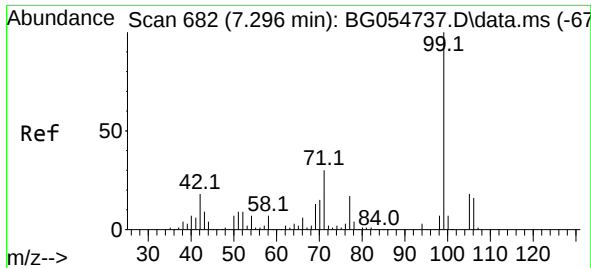


#5
2-Fluorophenol
Concen: 100.485 ng
RT: 5.690 min Scan# 409
Delta R.T. 0.005 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26



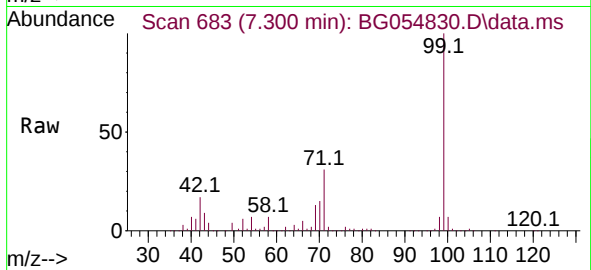
Tgt Ion:112 Resp: 284543
Ion Ratio Lower Upper
112 100
64 61.1 49.3 73.9
63 31.1 26.3 39.5





#7
Phenol-d6
Concen: 100.521 ng
RT: 7.300 min Scan# 682
Delta R.T. 0.005 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26

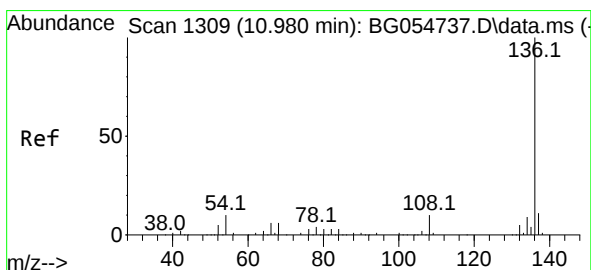
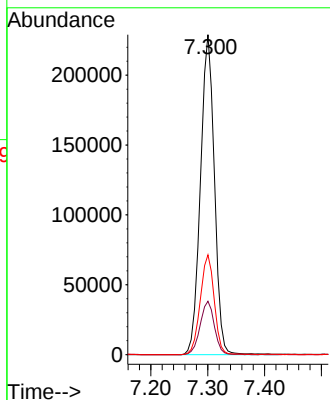
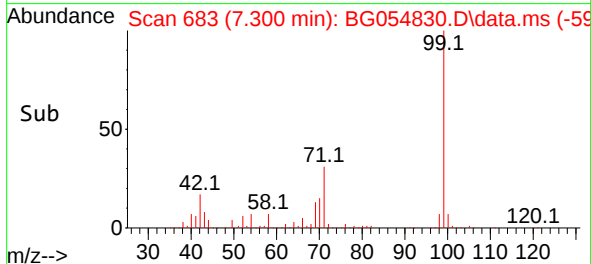
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-02-0-12



Tgt Ion: 99 Resp: 389275
Ion Ratio Lower Upper
99 100
42 16.7 14.6 22.0
71 31.2 24.6 37.0

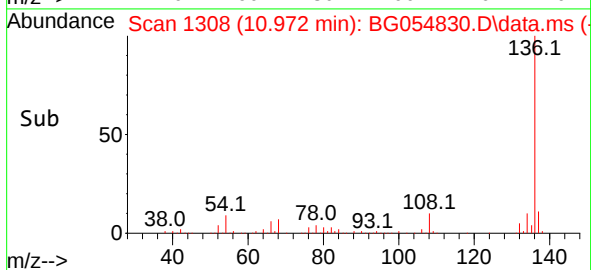
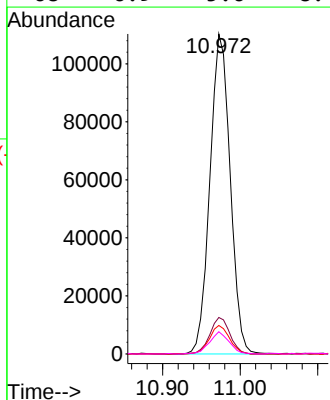
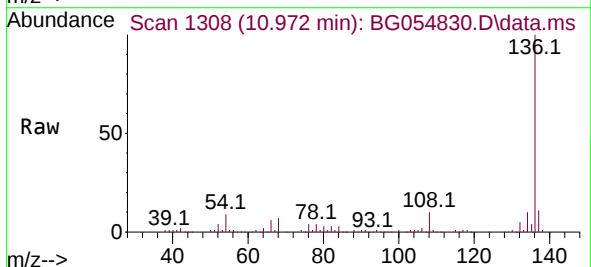
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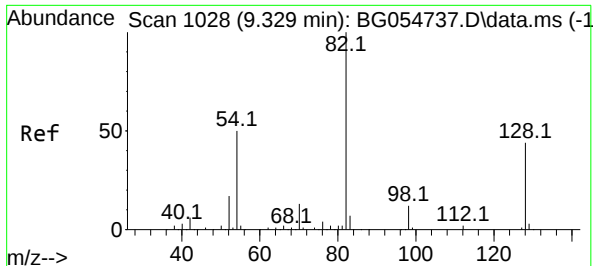
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.972 min Scan# 1308
Delta R.T. -0.008 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26

Tgt Ion:136 Resp: 199924
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 8.9 7.7 11.5
68 6.9 5.6 8.4





#23

Nitrobenzene-d5

Concen: 62.586 ng

RT: 9.321 min Scan# 1028

Delta R.T. -0.007 min

Lab File: BG054830.D

Acq: 1 Sep 2022 20:26

Instrument :

BNA_G

ClientSampleId :

KTS2-TR-02-0-12

Tgt Ion: 82 Resp: 238349

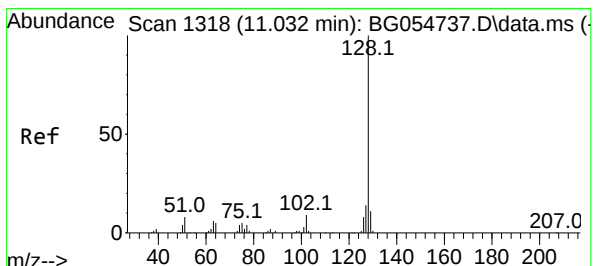
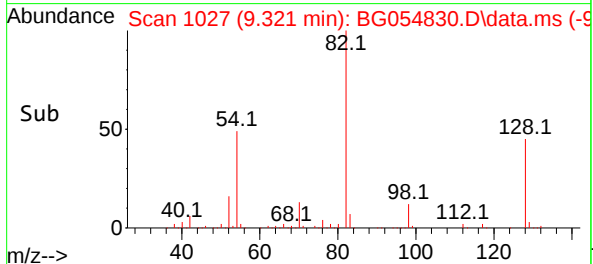
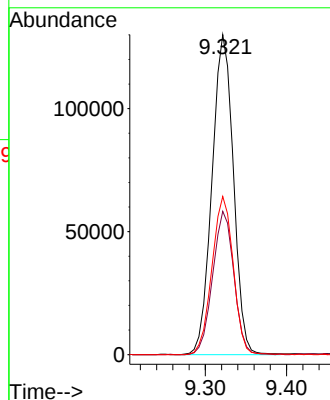
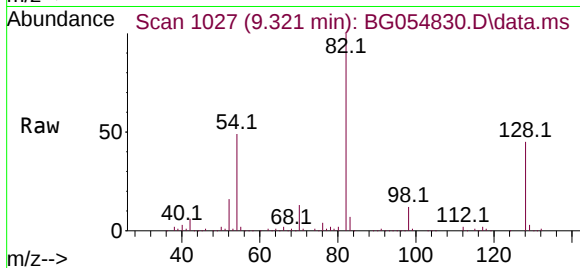
Ion	Ratio	Lower	Upper
82	100		
128	44.8	32.2	48.2
54	49.4	41.4	62.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/02/2022



#31

Naphthalene

Concen: 4.974 ng

RT: 11.025 min Scan# 1317

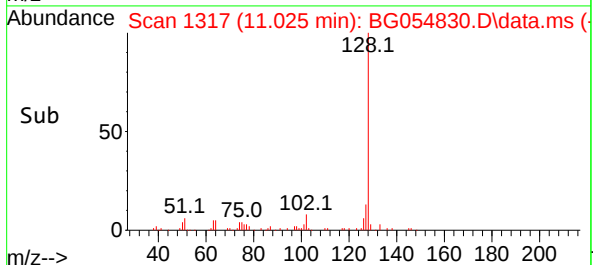
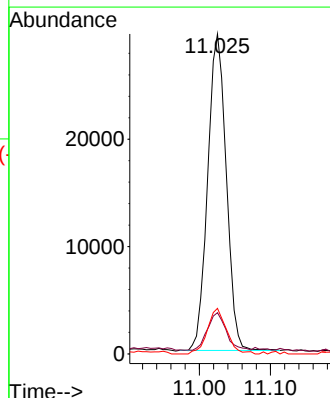
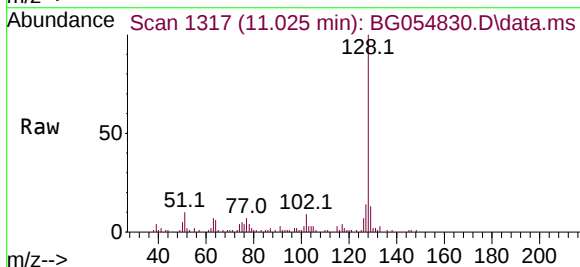
Delta R.T. -0.007 min

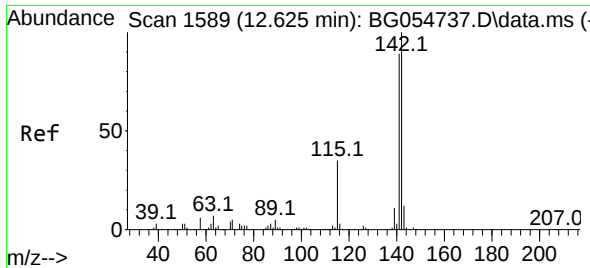
Lab File: BG054830.D

Acq: 1 Sep 2022 20:26

Tgt Ion:128 Resp: 53353

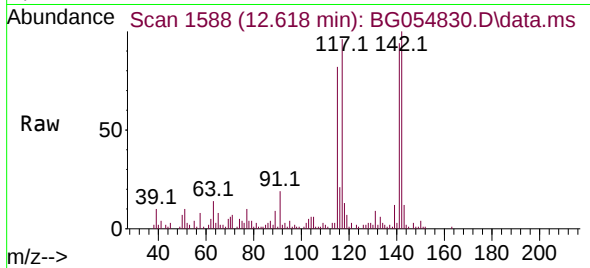
Ion	Ratio	Lower	Upper
128	100		
129	12.9	9.0	13.4
127	14.2	11.1	16.7





#37
2-Methylnaphthalene
Concen: 4.129 ng
RT: 12.618 min Scan# 1589
Delta R.T. -0.007 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26

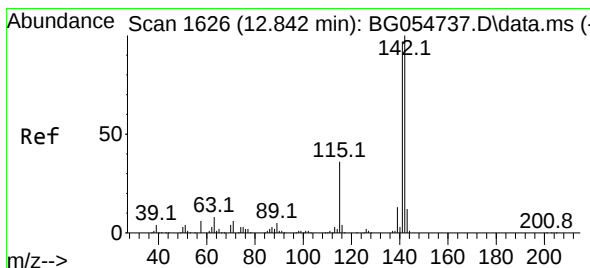
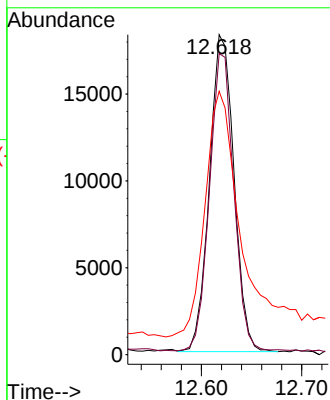
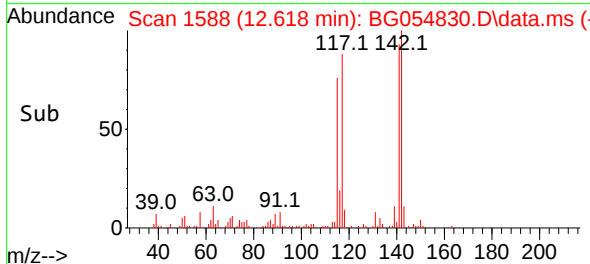
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-02-0-12



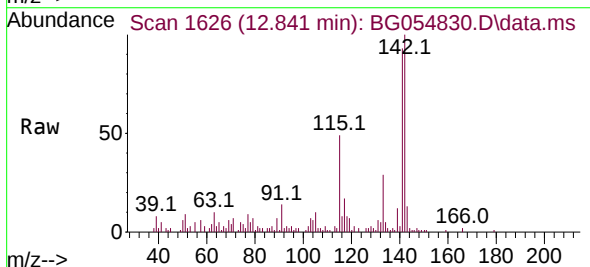
Tgt Ion:142 Resp: 31042
Ion Ratio Lower Upper
142 100
141 94.1 73.0 109.4
115 82.3 27.3 40.9

Manual Integrations
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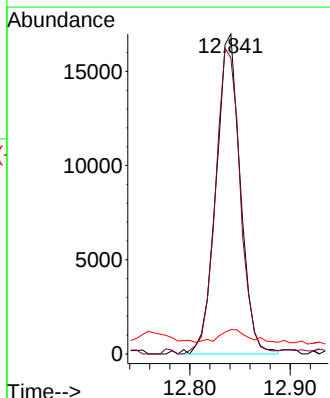
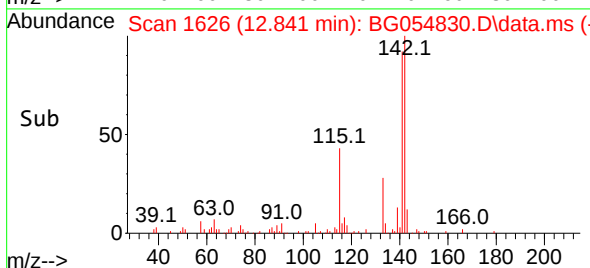
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022

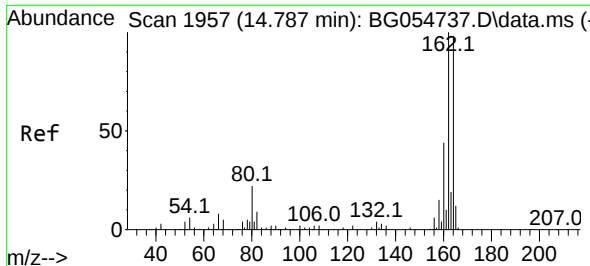


#38
1-Methylnaphthalene
Concen: 3.902 ng
RT: 12.841 min Scan# 1626
Delta R.T. -0.001 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26



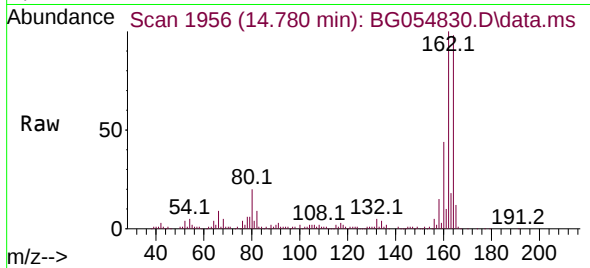
Tgt Ion:142 Resp: 28542
Ion Ratio Lower Upper
142 100
141 92.5 77.4 116.0
116 7.6 3.0 4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.780 min Scan# 1957
Delta R.T. -0.007 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26

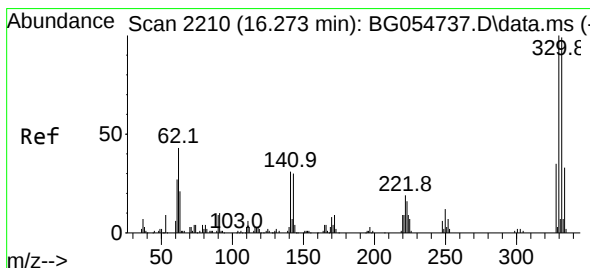
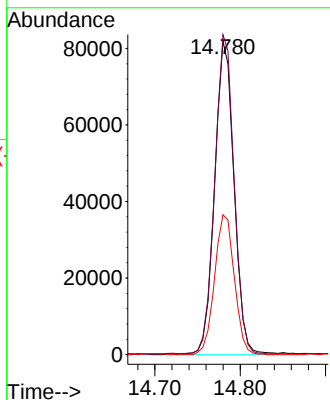
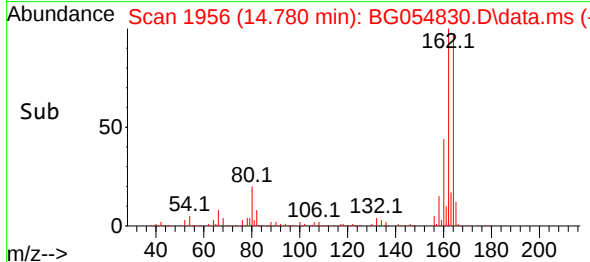
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-02-0-12



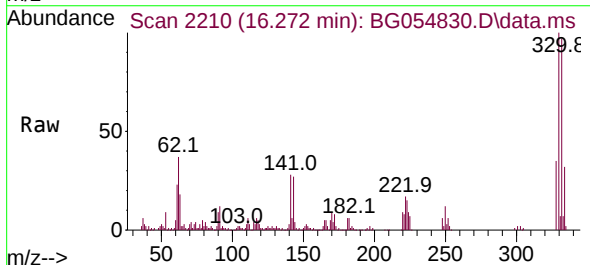
Tgt Ion:164 Resp: 129249
Ion Ratio Lower Upper
164 100
162 102.1 83.0 124.4
160 44.6 38.0 57.0

Manual Integrations
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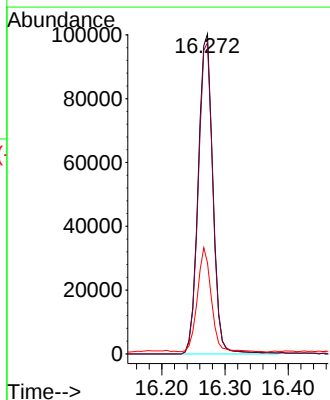
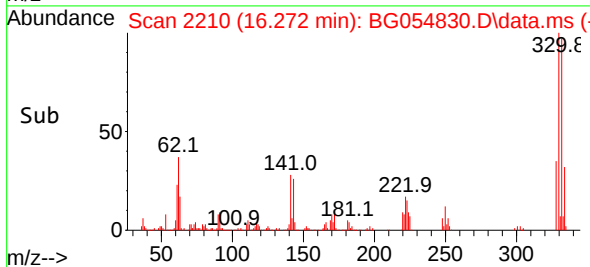
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022

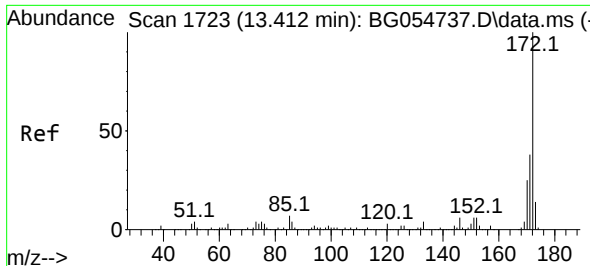


#42
2,4,6-Tribromophenol
Concen: 99.861 ng
RT: 16.272 min Scan# 2210
Delta R.T. -0.001 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26



Tgt Ion:330 Resp: 161281
Ion Ratio Lower Upper
330 100
332 96.7 79.8 119.6
141 31.2 26.8 40.2





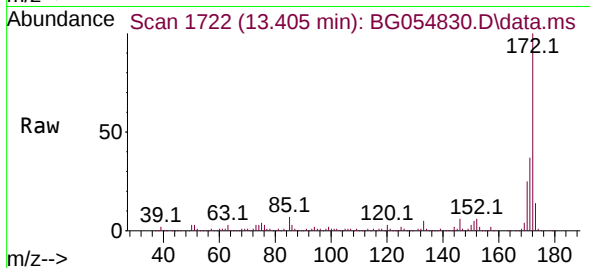
#45
2-Fluorobiphenyl
Concen: 61.678 ng
RT: 13.405 min Scan# 1722
Delta R.T. -0.007 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26

Instrument :

BNA_G

ClientSampleId :

KTS2-TR-02-0-12

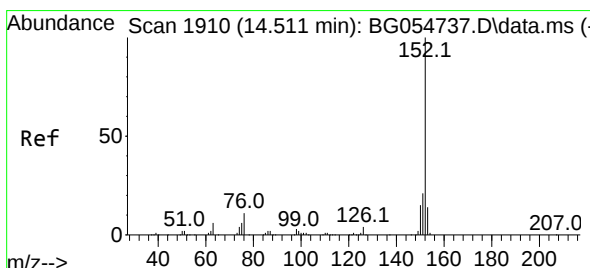
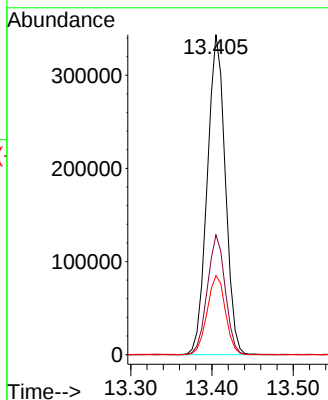
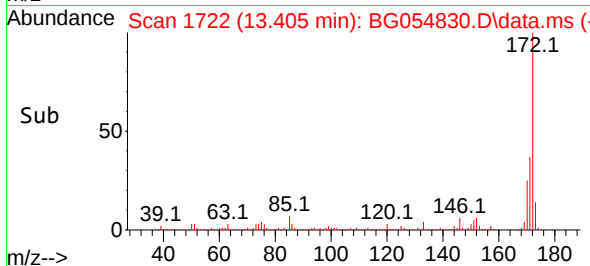


Tgt Ion:172 Resp: 53038
Ion Ratio Lower Upper
172 100
171 37.4 31.2 46.8
170 24.7 20.6 30.8

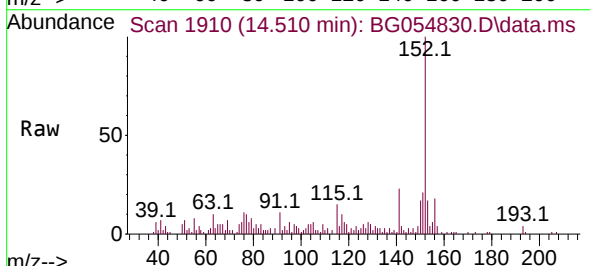
Manual Integrations

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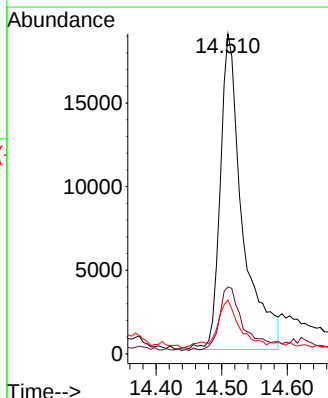
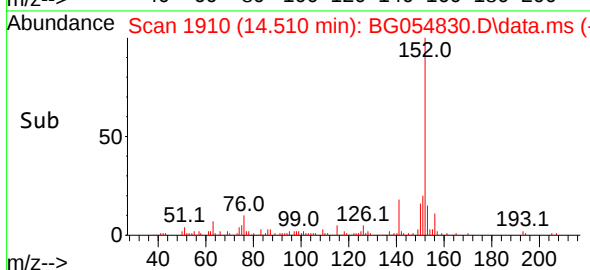
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022

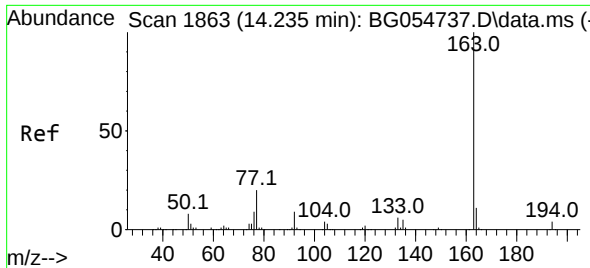


#49
Acenaphthylene
Concen: 3.704 ng
RT: 14.510 min Scan# 1910
Delta R.T. -0.001 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26



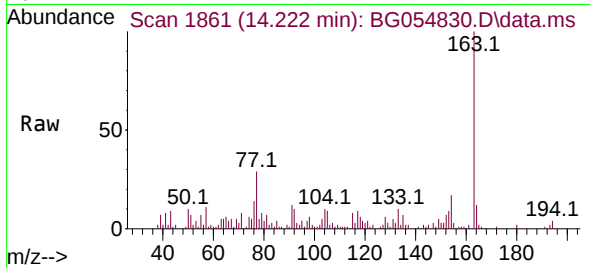
Tgt Ion:152 Resp: 44556
Ion Ratio Lower Upper
152 100
151 20.9 17.3 25.9
153 16.8 10.8 16.2#





#50
Dimethylphthalate
Concen: 3.043 ng
RT: 14.222 min Scan# 1861
Delta R.T. -0.013 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26

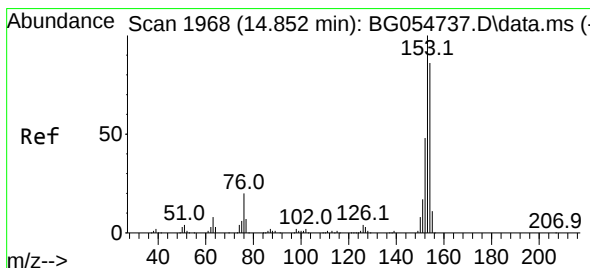
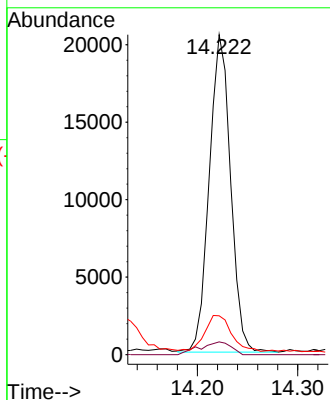
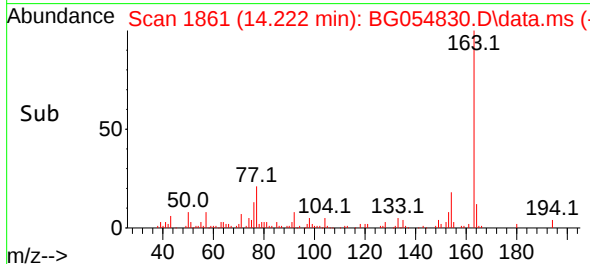
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-02-0-12



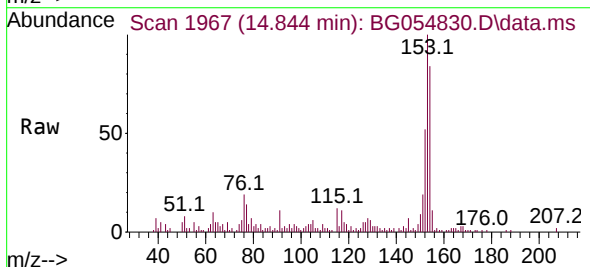
Tgt Ion:163 Resp: 30302
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.4
164 12.1 8.0 12.0

Manual Integrations
APPROVED

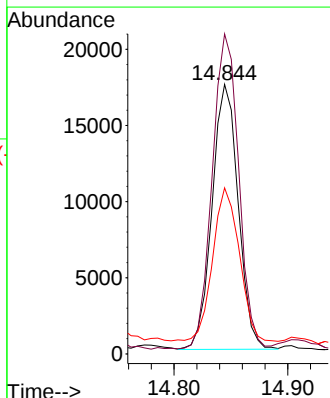
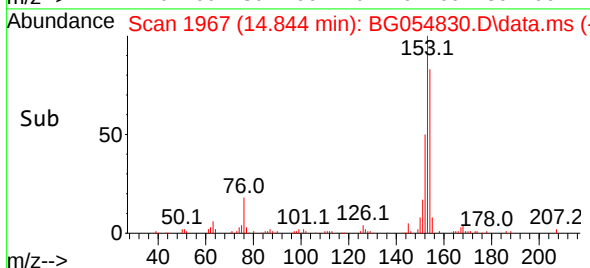
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022

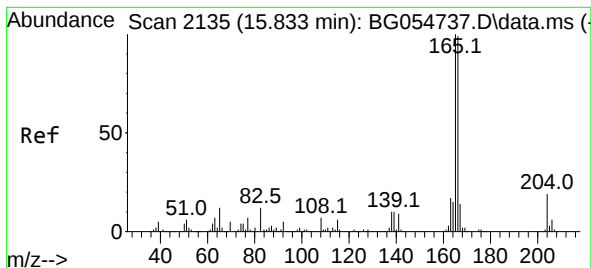


#52
Acenaphthene
Concen: 3.597 ng
RT: 14.844 min Scan# 1967
Delta R.T. -0.007 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26



Tgt Ion:154 Resp: 27796
Ion Ratio Lower Upper
154 100
153 118.7 92.8 139.2
152 61.6 45.4 68.2





#58

Fluorene

Concen: 2.116 ng

RT: 15.826 min Scan# 2135

Delta R.T. -0.007 min

Lab File: BG054830.D

Acq: 1 Sep 2022 20:26

Instrument :

BNA_G

ClientSampleId :

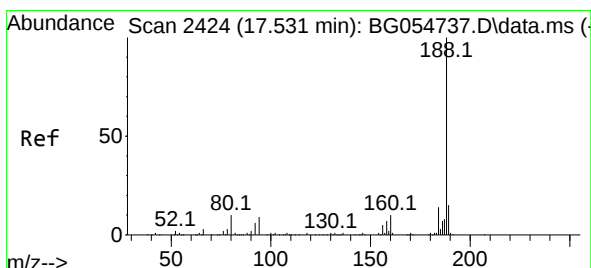
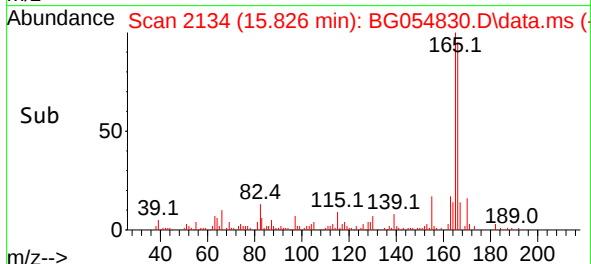
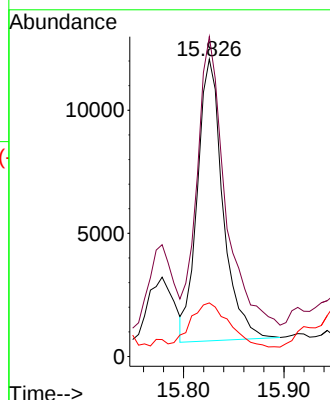
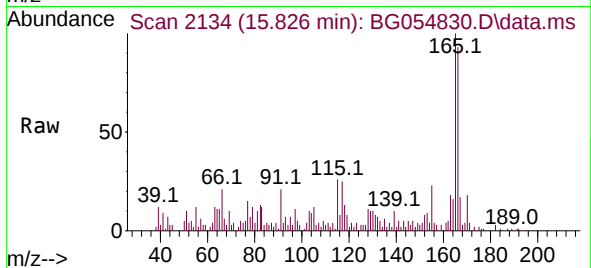
KTS2-TR-02-0-12

Tgt Ion:	166	Resp:	2024
Ion Ratio	Lower	Upper	
166	100		
165	107.5	80.8	121.2
167	18.1	11.4	17.0

Manual Integrations

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Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022



#64

Phenanthrene-d10

Concen: 20.000 ng

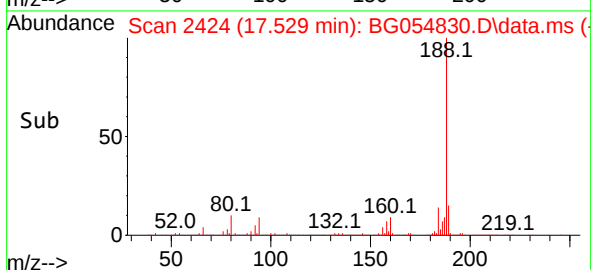
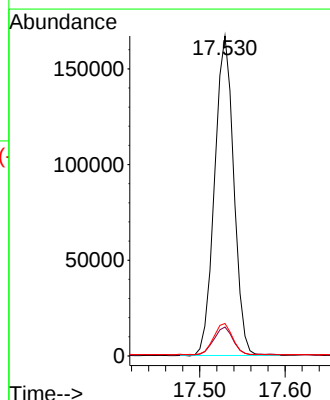
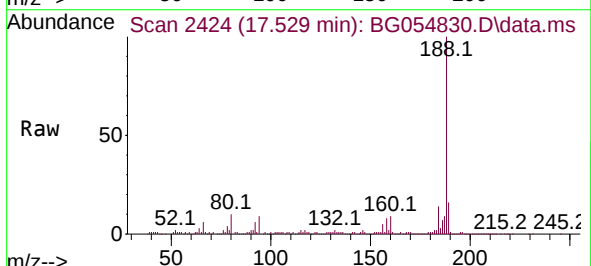
RT: 17.529 min Scan# 2424

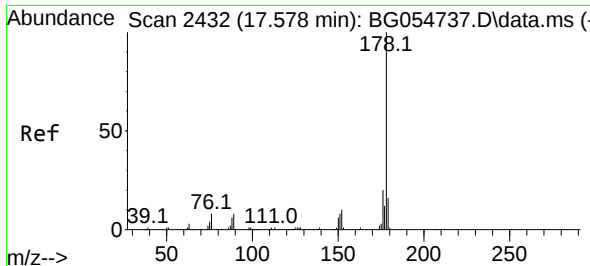
Delta R.T. -0.001 min

Lab File: BG054830.D

Acq: 1 Sep 2022 20:26

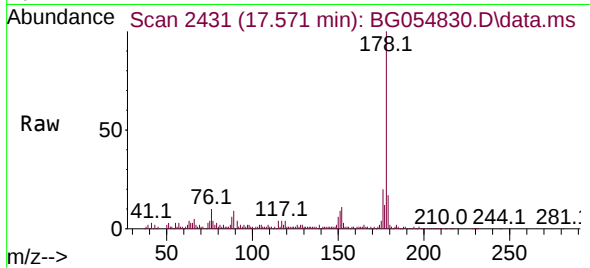
Tgt Ion:	188	Resp:	260215
Ion Ratio	Lower	Upper	
188	100		
94	9.0	7.0	10.4
80	10.1	7.9	11.9





#71
Phenanthrene
Concen: 8.530 ng
RT: 17.571 min Scan# 2432
Delta R.T. -0.007 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26

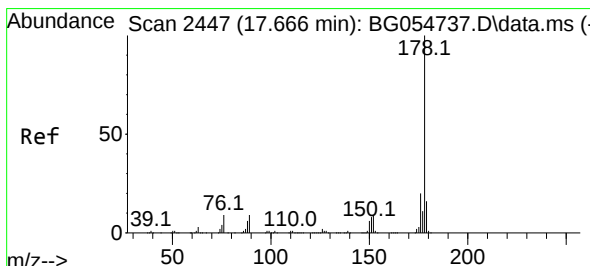
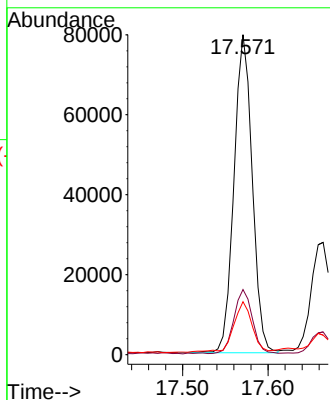
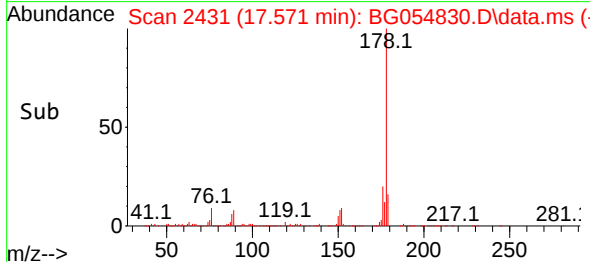
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-02-0-12



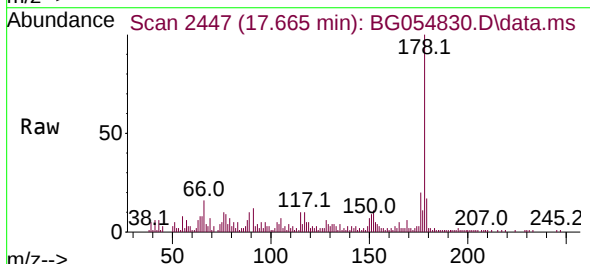
Tgt Ion:178 Resp: 118248
Ion Ratio Lower Upper
178 100
176 20.3 16.6 25.0
179 16.5 12.8 19.2

Manual Integrations
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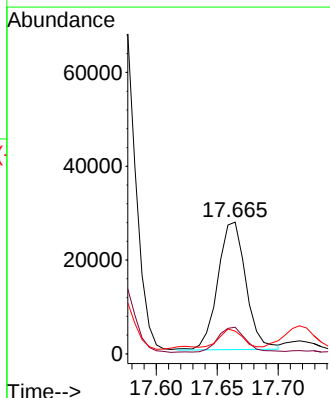
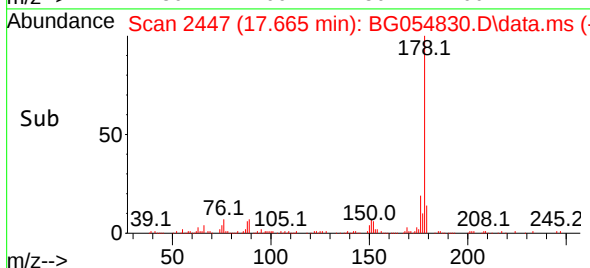
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022

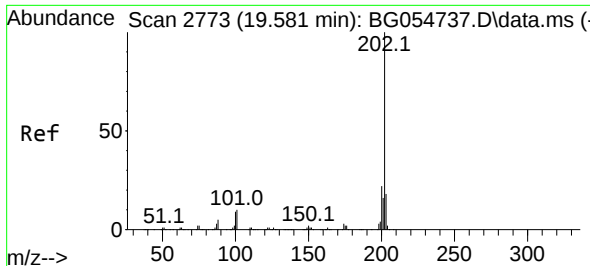


#72
Anthracene
Concen: 3.235 ng
RT: 17.665 min Scan# 2447
Delta R.T. -0.001 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26



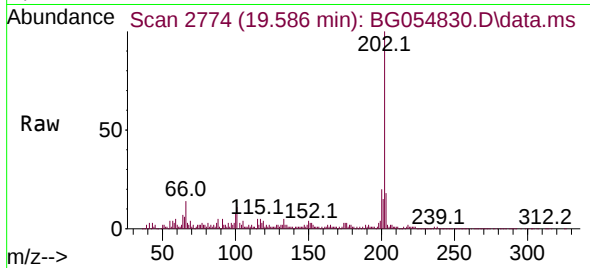
Tgt Ion:178 Resp: 43601
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.4
179 17.3 12.9 19.3





#75
Fluoranthene
Concen: 9.119 ng
RT: 19.586 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26

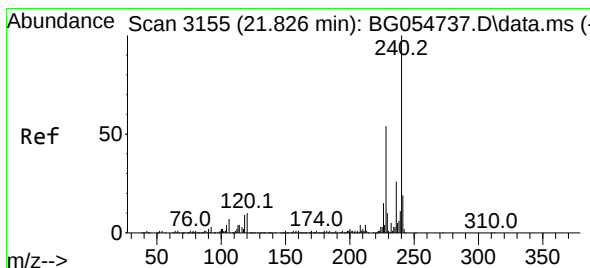
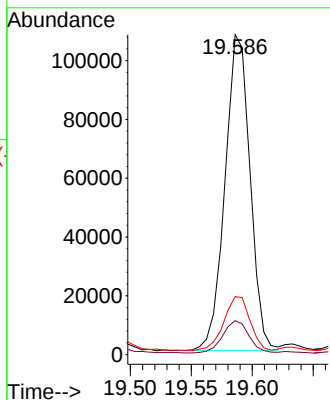
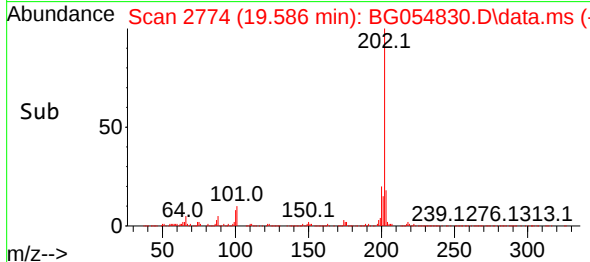
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-02-0-12



Tgt Ion:202 Resp: 153762
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.4
203 18.1 0.0 38.6

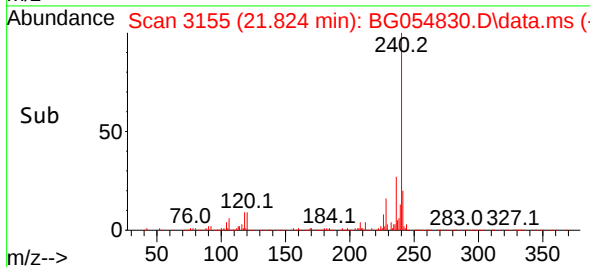
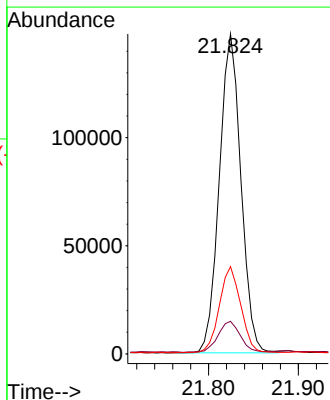
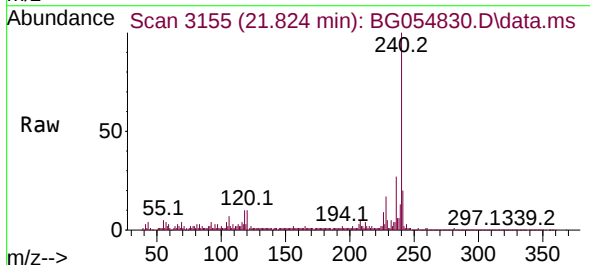
Manual Integrations
APPROVED

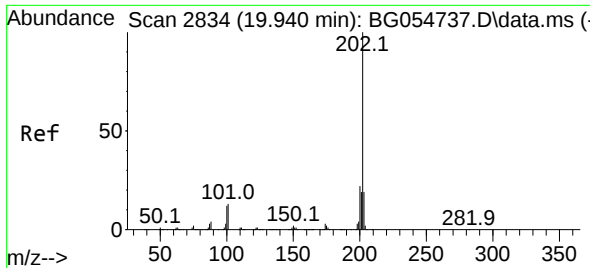
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.824 min Scan# 3155
Delta R.T. -0.001 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26

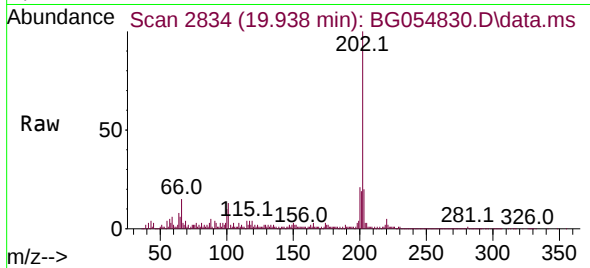
Tgt Ion:240 Resp: 247516
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.4
236 27.3 21.2 31.8





#78
Pyrene
Concen: 11.085 ng
RT: 19.938 min Scan# 2834
Delta R.T. -0.001 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26

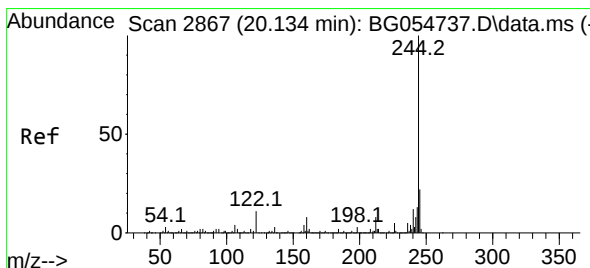
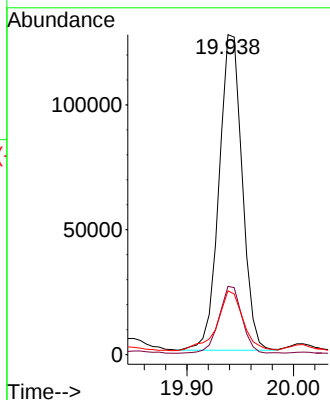
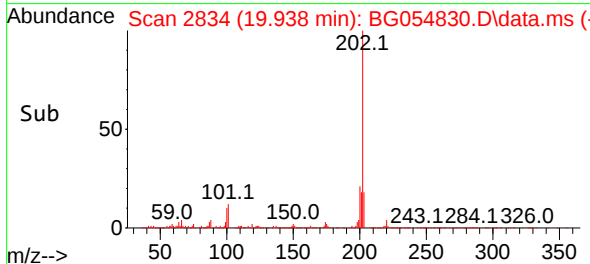
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-02-0-12



Tgt Ion:202 Resp: 191317
Ion Ratio Lower Upper
202 100
200 21.3 17.8 26.6
203 19.9 14.6 21.8

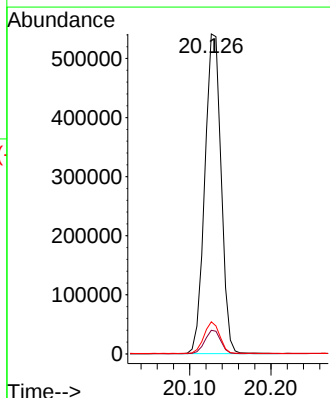
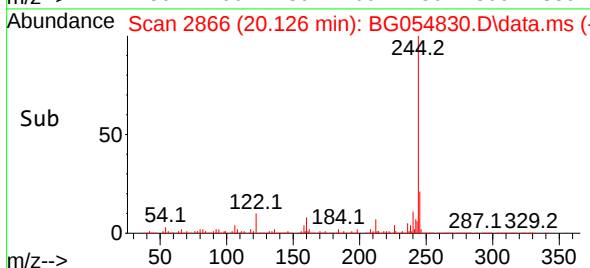
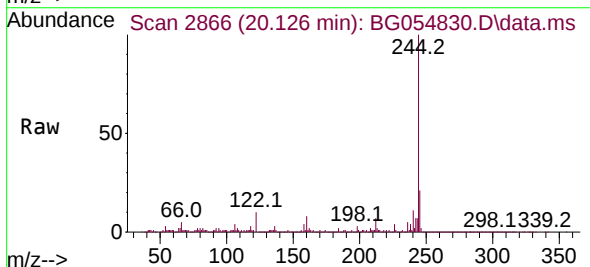
Manual Integrations
APPROVED

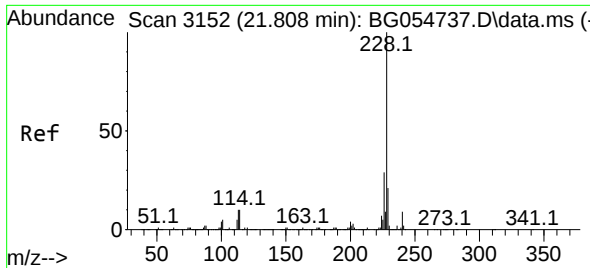
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022



#79
Terphenyl-d14
Concen: 60.616 ng
RT: 20.126 min Scan# 2866
Delta R.T. -0.007 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26

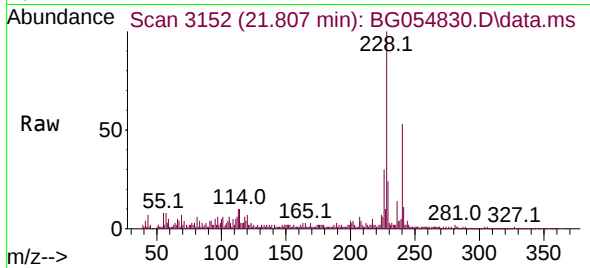
Tgt Ion:244 Resp: 757221
Ion Ratio Lower Upper
244 100
212 7.4 6.2 9.2
122 10.0 9.0 13.6





#81
Benzo(a)anthracene
Concen: 9.068 ng
RT: 21.807 min Scan# 3152
Delta R.T. -0.001 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26

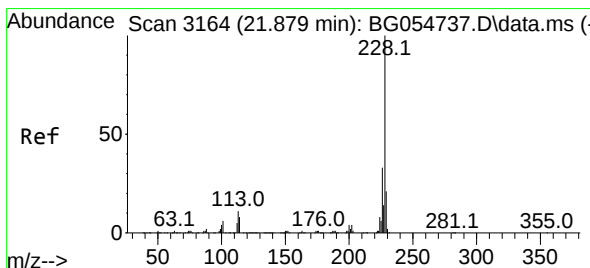
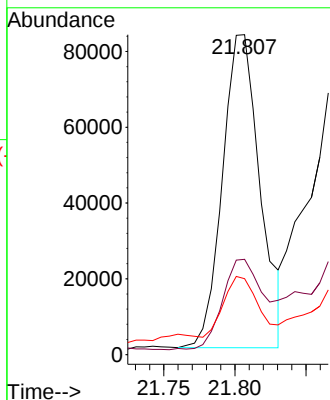
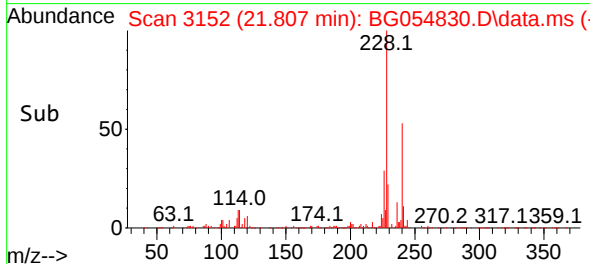
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-02-0-12



Tgt Ion:228 Resp: 152176
Ion Ratio Lower Upper
228 100
226 29.8 23.4 35.2
229 23.7 16.5 24.7

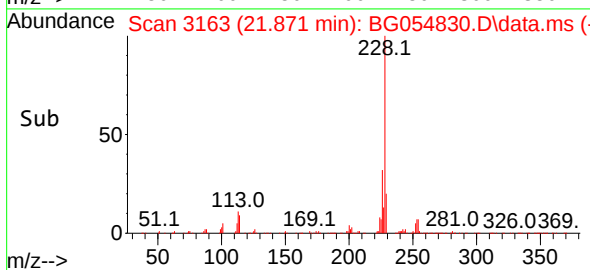
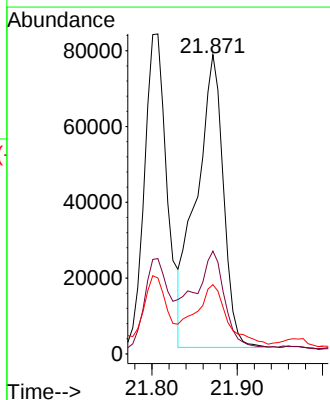
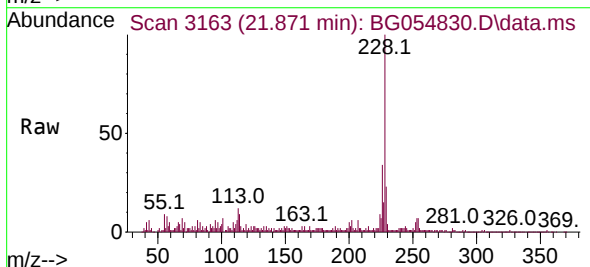
Manual Integrations
APPROVED

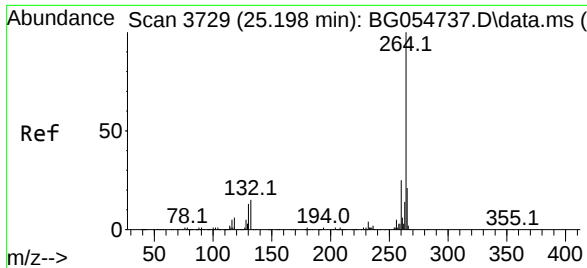
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022



#83
Chrysene
Concen: 10.620 ng
RT: 21.871 min Scan# 3163
Delta R.T. -0.007 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26

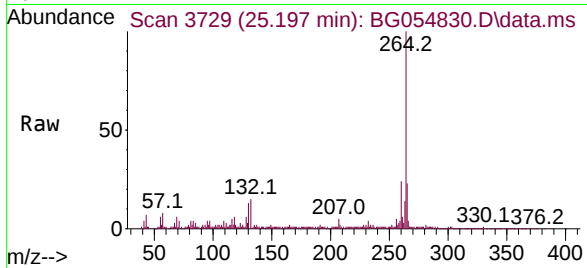
Tgt Ion:228 Resp: 170411
Ion Ratio Lower Upper
228 100
226 34.3 25.5 38.3
229 23.1 16.8 25.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.197 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26

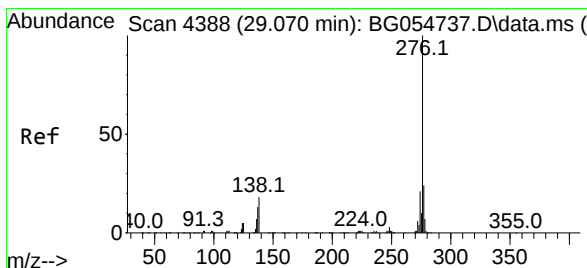
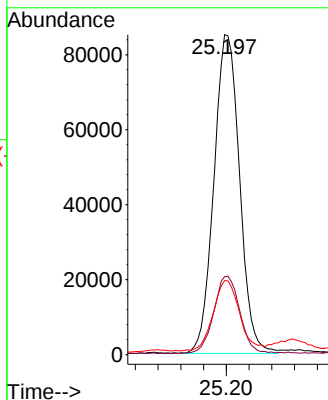
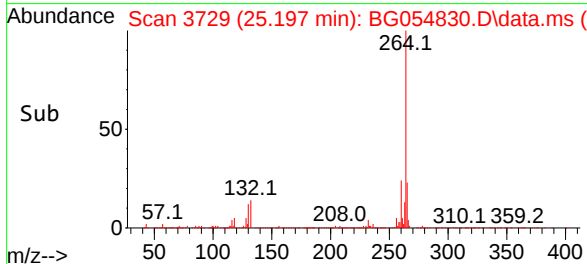
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-02-0-12



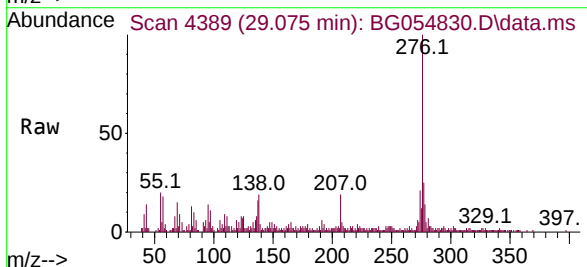
Tgt Ion:264 Resp: 267010
Ion Ratio Lower Upper
264 100
260 24.3 19.9 29.9
265 23.2 16.9 25.3

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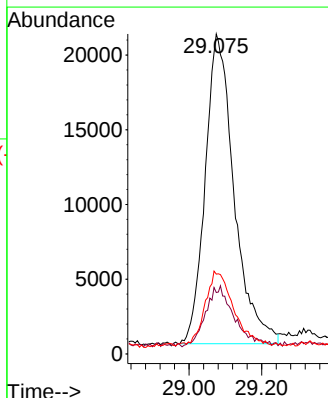
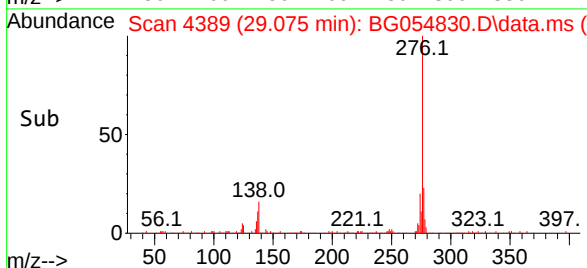
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022

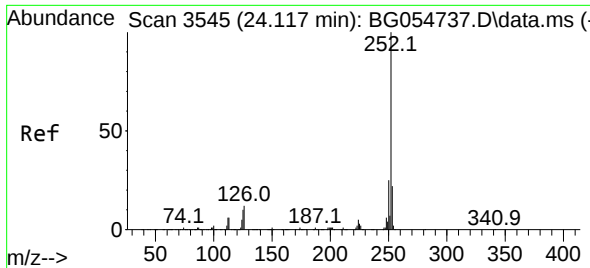


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.645 ng
RT: 29.075 min Scan# 4389
Delta R.T. 0.005 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26



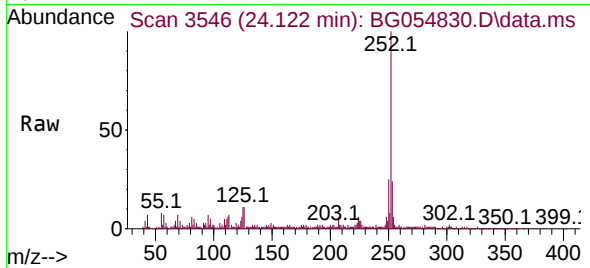
Tgt Ion:276 Resp: 114420
Ion Ratio Lower Upper
276 100
138 9.1 12.0 18.0#
277 23.1 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 15.157 ng
RT: 24.122 min Scan# 3545
Delta R.T. 0.005 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26

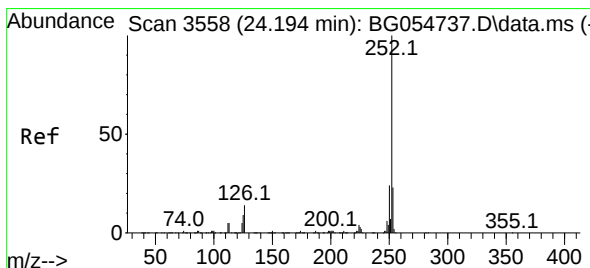
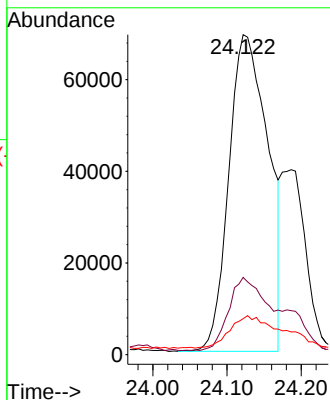
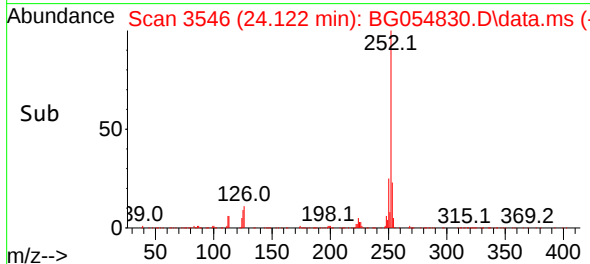
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-02-0-12



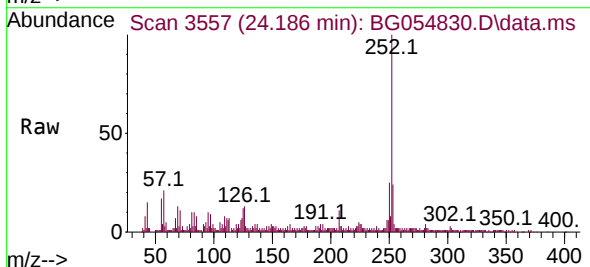
Tgt Ion:252 Resp: 25388
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 11.2 8.1 12.1

Manual Integrations
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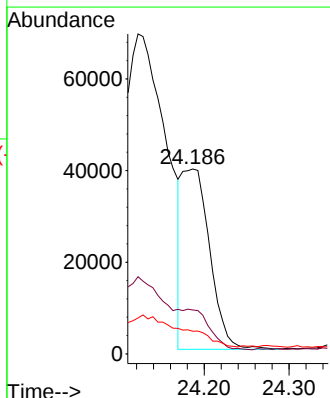
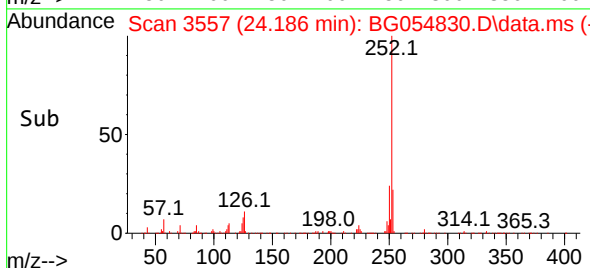
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022

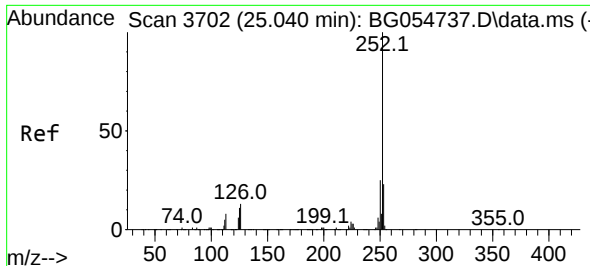


#89
Benzo(k)fluoranthene
Concen: 5.348 ng m
RT: 24.186 min Scan# 3557
Delta R.T. -0.007 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26



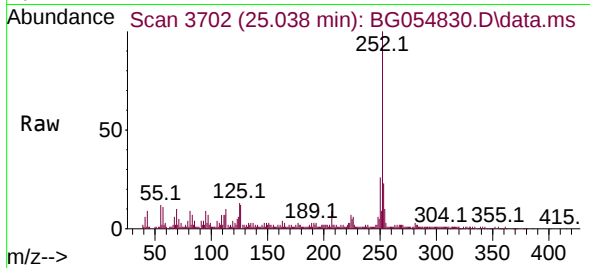
Tgt Ion:252 Resp: 90148
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 12.2 8.2 12.4





#90
Benzo(a)pyrene
Concen: 9.350 ng
RT: 25.038 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26

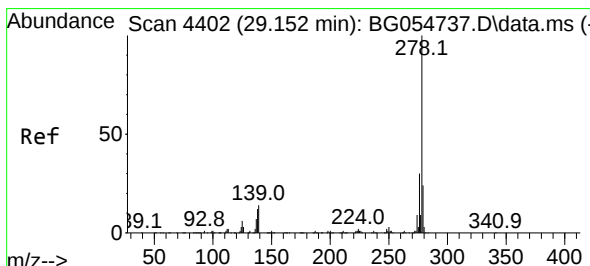
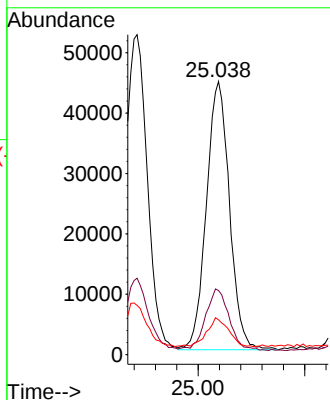
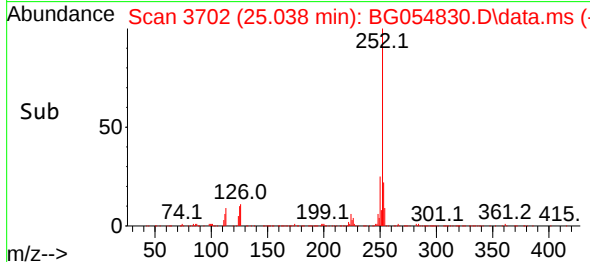
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-02-0-12



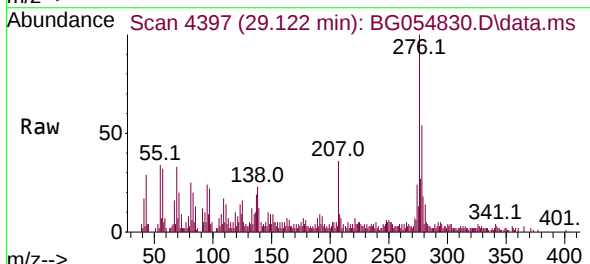
Tgt Ion:252 Resp: 133799
Ion Ratio Lower Upper
252 100
253 23.5 18.3 27.5
125 12.8 8.8 13.2

Manual Integrations
APPROVED

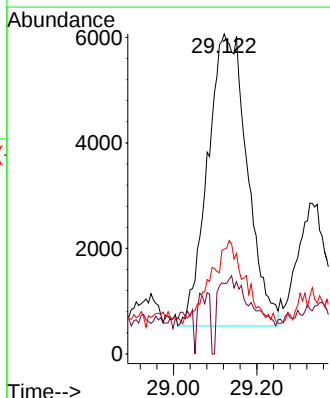
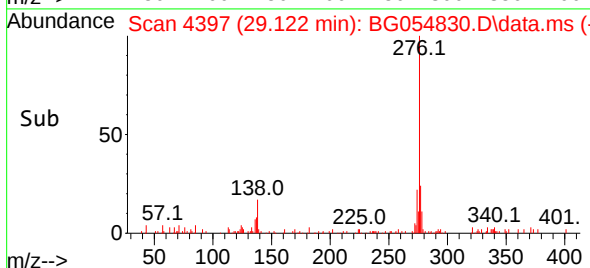
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022

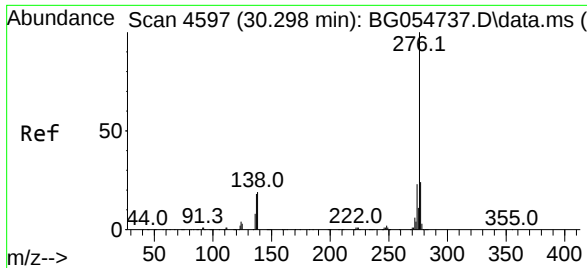


#91
Dibenzo(a,h)anthracene
Concen: 2.203 ng
RT: 29.122 min Scan# 4397
Delta R.T. -0.031 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26



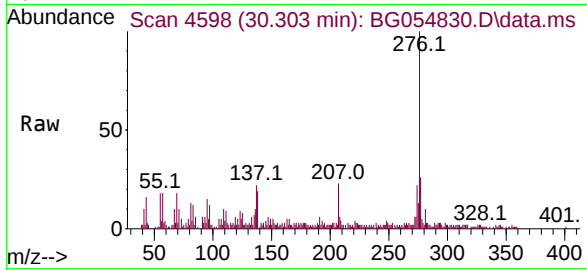
Tgt Ion:278 Resp: 36389
Ion Ratio Lower Upper
278 100
139 22.0 11.4 17.2#
279 32.7 19.3 28.9#





#92
Benzo(g,h,i)perylene
Concen: 6.564 ng
RT: 30.303 min Scan# 4598
Delta R.T. 0.005 min
Lab File: BG054830.D
Acq: 1 Sep 2022 20:26

Instrument :
BNA_G
ClientSampleId :
KTS2-TR-02-0-12



Tgt Ion: 276 Resp: 109517
Ion Ratio Lower Upper
276 100
277 26.1 19.4 29.0
138 19.1 16.6 25.0

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