

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
 Data File : BG054827.D
 Acq On : 1 Sep 2022 18:20
 Operator : CG/JU
 Sample : N4439-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 KTS2-TR-03-0-5

Manual Integrations
 APPROVED

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

Quant Time: Sep 02 02:55:00 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.149	152	52220	20.000	ng	0.00
21) Naphthalene-d8	10.975	136	211905	20.000	ng	0.00
39) Acenaphthene-d10	14.783	164	133637	20.000	ng	0.00
64) Phenanthrene-d10	17.527	188	273197	20.000	ng	0.00
76) Chrysene-d12	21.822	240	249908	20.000	ng	0.00
86) Perylene-d12	25.200	264	267394	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.688	112	358885	119.676	ng	0.00
7) Phenol-d6	7.297	99	482837	117.733	ng	0.00
23) Nitrobenzene-d5	9.319	82	293360	72.676	ng	-0.01
42) 2,4,6-Tribromophenol	16.269	330	196581	117.722	ng	0.00
45) 2-Fluorobiphenyl	13.408	172	685185	77.063	ng	0.00
79) Terphenyl-d14	20.124	244	966692	76.644	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	11.022	128	64019	5.631	ng	98
37) 2-Methylnaphthalene	12.621	142	47076	5.908	ng	98
38) 1-Methylnaphthalene	12.838	142	37259	4.806	ng	95
50) Dimethylphthalate	14.225	163	38954	3.784	ng	99
52) Acenaphthene	14.841	154	21424	2.682	ng	94
55) Dibenzofuran	15.176	168	48642	4.144	ng	98
58) Fluorene	15.823	166	31729	3.208	ng	99
71) Phenanthrene	17.568	178	220938	15.181	ng	99
72) Anthracene	17.662	178	75413	5.330	ng	99
75) Fluoranthene	19.577	202	315798	17.837	ng	98
78) Pyrene	19.936	202	280270	16.084	ng	99
81) Benzo(a)anthracene	21.804	228	142267	8.396	ng	96
83) Chrysene	21.869	228	170585	10.529	ng	97
87) Indeno(1,2,3-cd)pyrene	29.072	276	94677	4.664	ng	# 93
88) Benzo(b)fluoranthene	24.119	252	212939	12.695	ng	# 95
89) Benzo(k)fluoranthene	24.183	252	70633m	4.184	ng	
90) Benzo(a)pyrene	25.035	252	115427	8.054	ng	# 93
92) Benzo(g,h,i)perylene	30.300	276	91271	5.463	ng	97

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

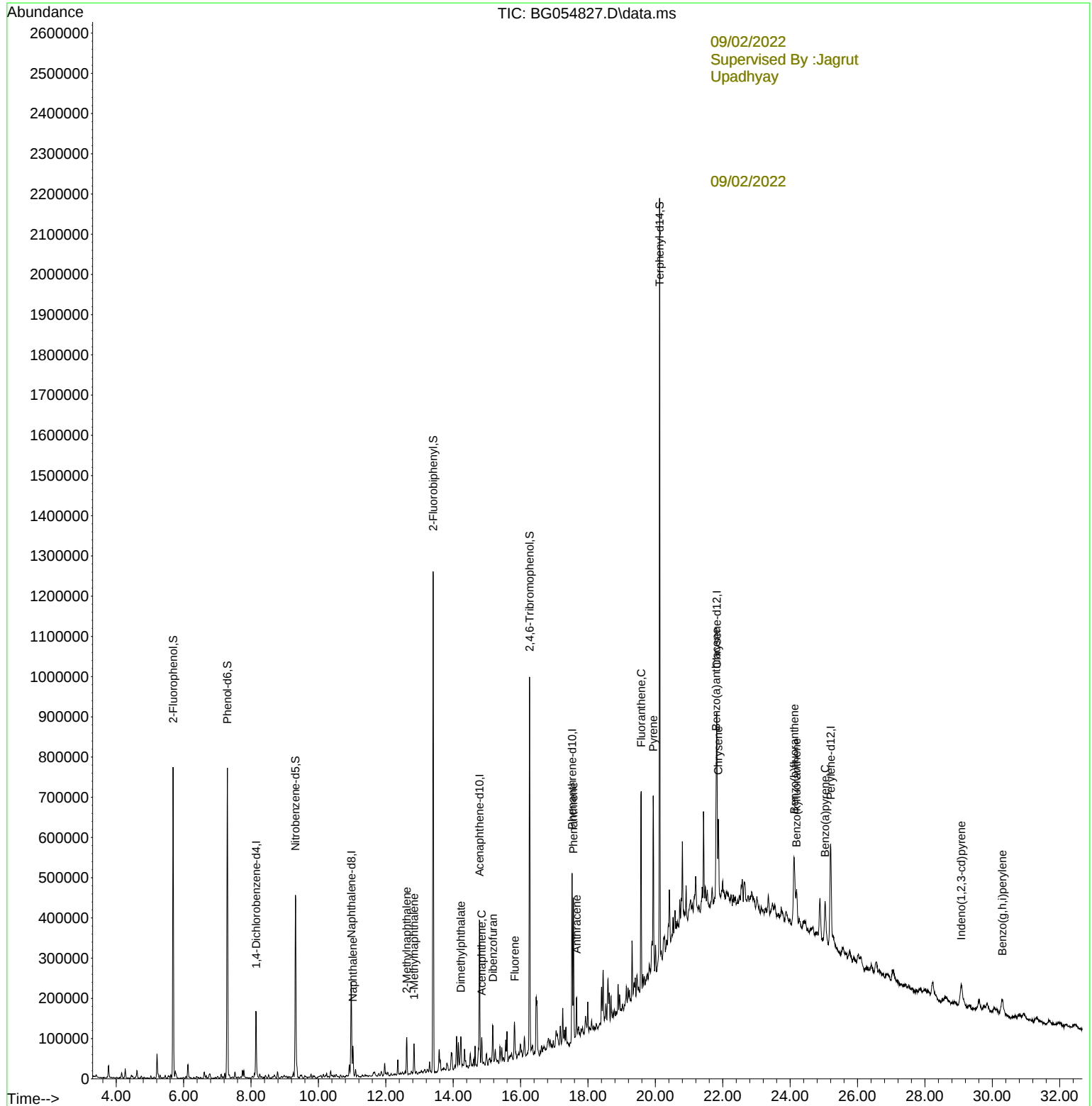
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054827.D
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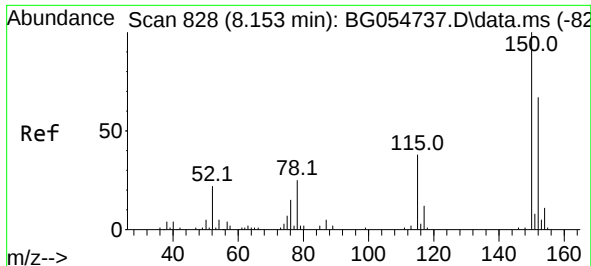
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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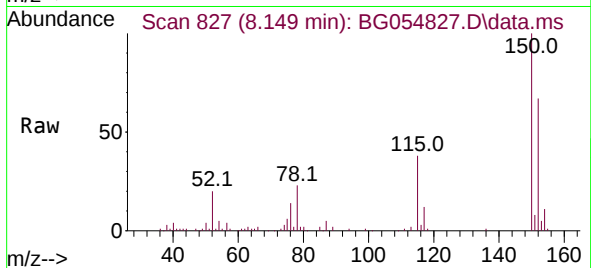
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Supervised By :Jagrut Upadhyay 09/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.149 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

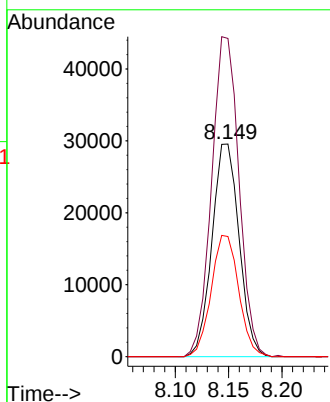
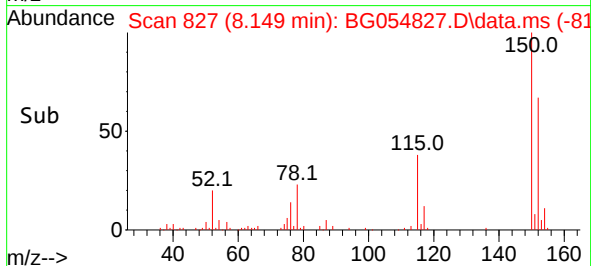
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-03-0-5



Tgt Ion:152 Resp: 52220
Ion Ratio Lower Upper
152 100
150 149.6 125.2 187.8
115 56.5 47.9 71.9

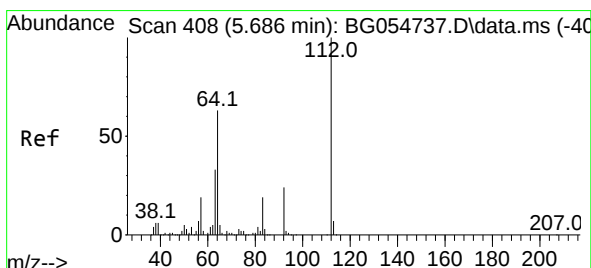
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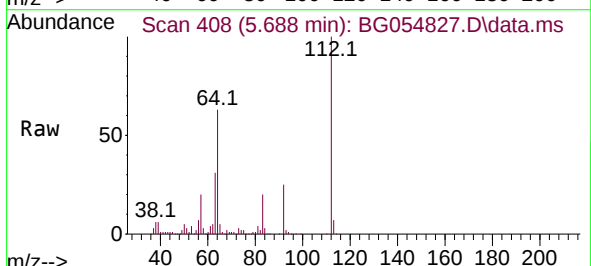


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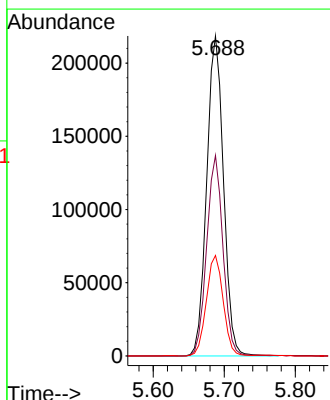
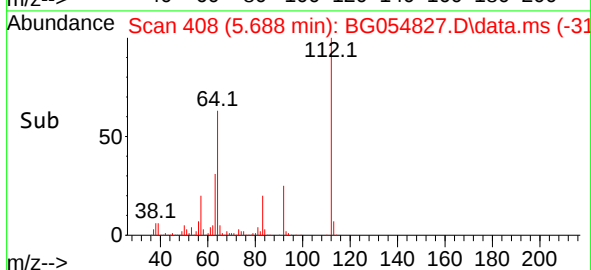
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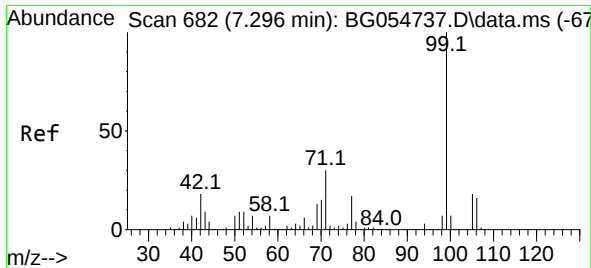


#5
2-Fluorophenol
Concen: 119.676 ng
RT: 5.688 min Scan# 408
Delta R.T. 0.002 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20



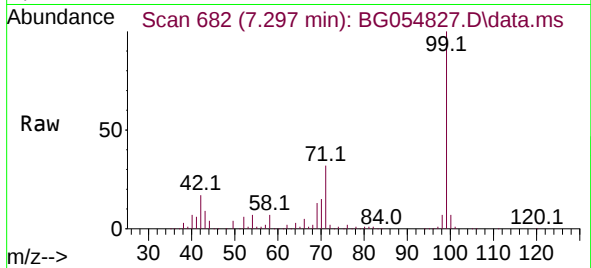
Tgt Ion:112 Resp: 358885
Ion Ratio Lower Upper
112 100
64 62.6 49.3 73.9
63 31.4 26.3 39.5





#7
Phenol-d6
Concen: 117.733 ng
RT: 7.297 min Scan# 682
Delta R.T. 0.002 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

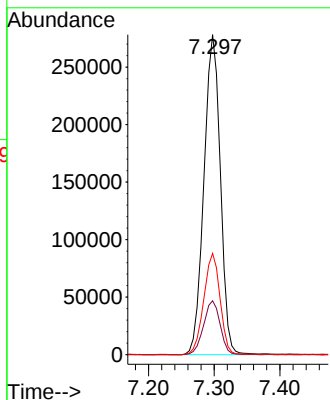
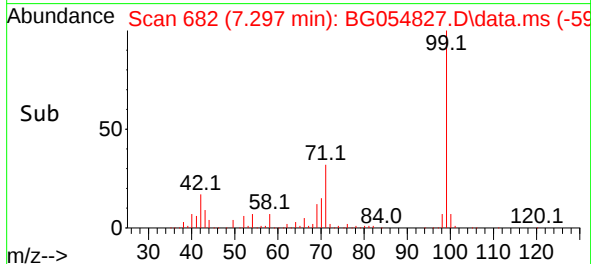
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BNA_G
ClientSampleId :
KTS2-TR-03-0-5



Tgt Ion: 99 Resp: 48283
Ion Ratio Lower Upper
99 100
42 16.8 14.6 22.0
71 31.6 24.6 37.0

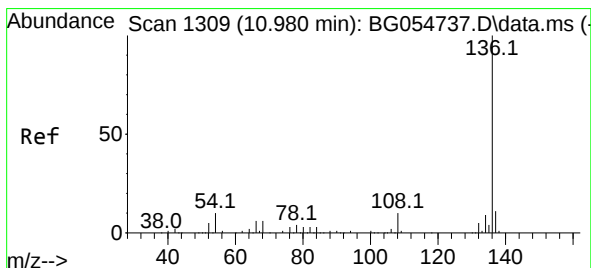
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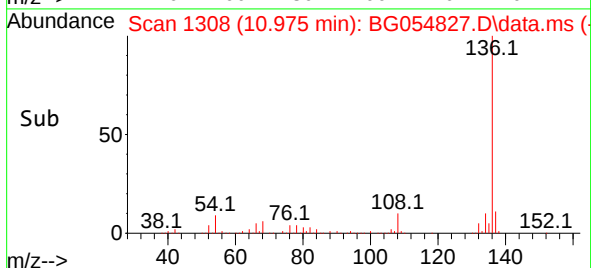
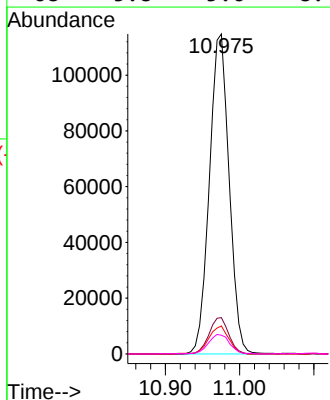
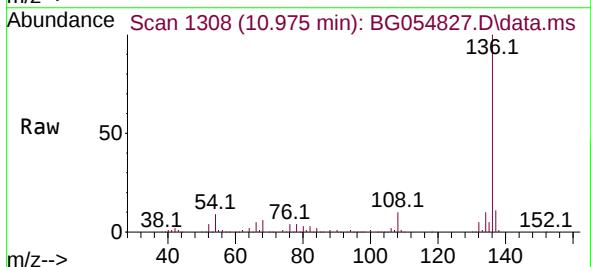
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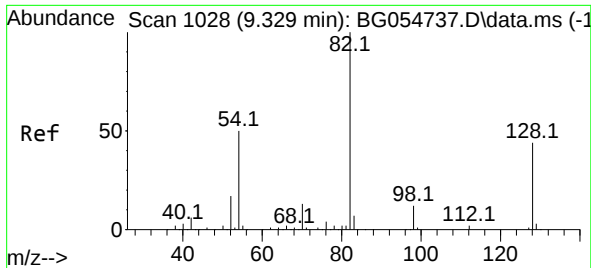
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.975 min Scan# 1308
Delta R.T. -0.005 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

Tgt Ion:136 Resp: 211905
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 8.7 7.7 11.5
68 5.8 5.6 8.4





#23
Nitrobenzene-d5
Concen: 72.676 ng
RT: 9.319 min Scan# 1026
Delta R.T. -0.010 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

Instrument :

BNA_G

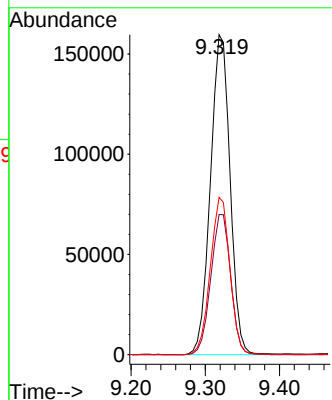
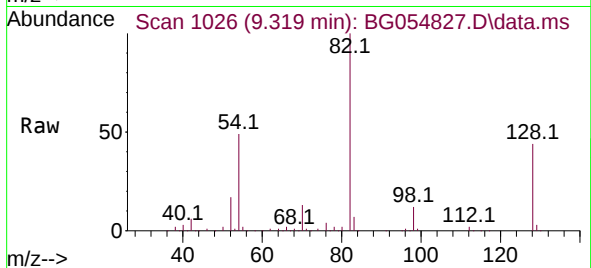
ClientSampleId :

KTS2-TR-03-0-5

Tgt Ion: 82 Resp: 293360
Ion Ratio Lower Upper
82 100
128 43.8 32.2 48.2
54 49.1 41.4 62.0

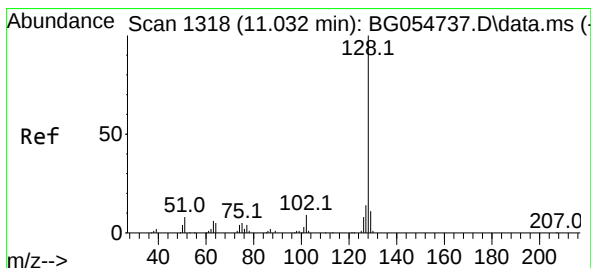
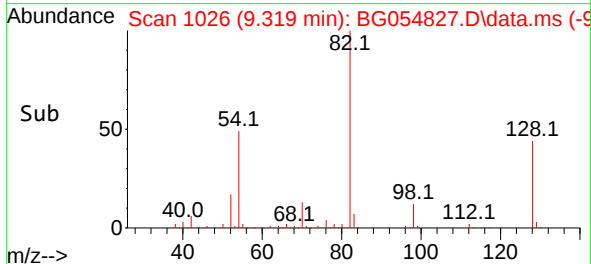
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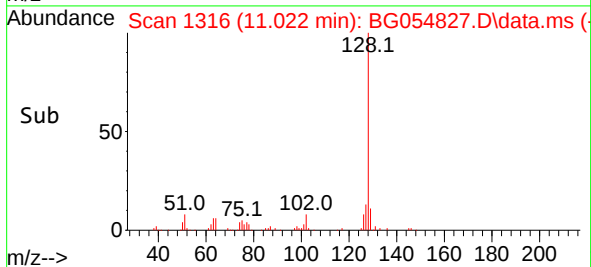
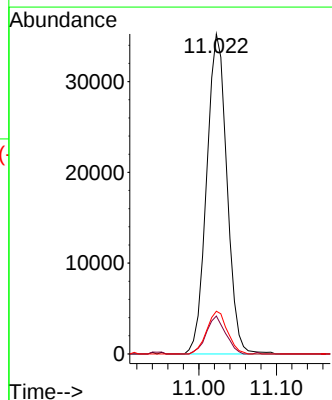
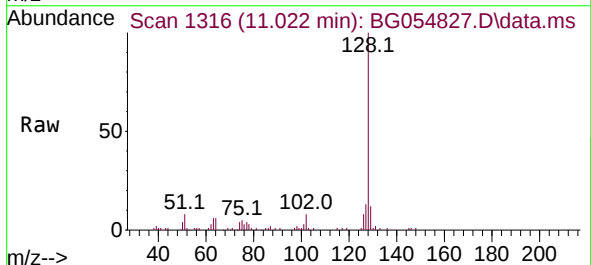
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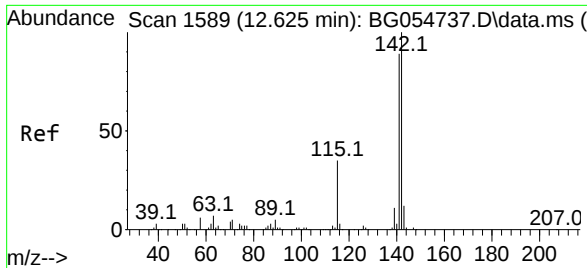
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#31
Naphthalene
Concen: 5.631 ng
RT: 11.022 min Scan# 1316
Delta R.T. -0.010 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

Tgt Ion:128 Resp: 64019
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.4
127 13.3 11.1 16.7





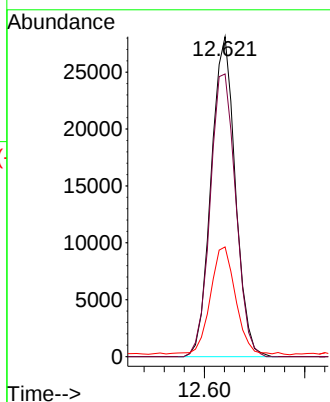
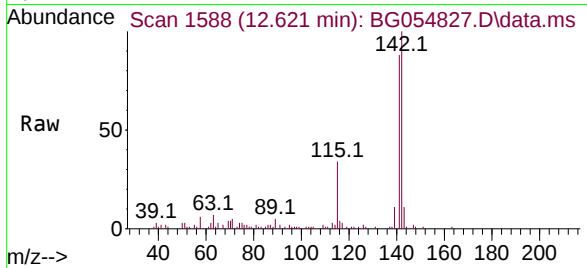
#37
2-Methylnaphthalene
Concen: 5.908 ng
RT: 12.621 min Scan# 1589
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

Instrument :
BNA_G
ClientSampleId :
KTS2-TR-03-0-5

Tgt Ion:142 Resp: 47076
Ion Ratio Lower Upper
142 100
141 88.3 73.0 109.4
115 34.3 27.3 40.9

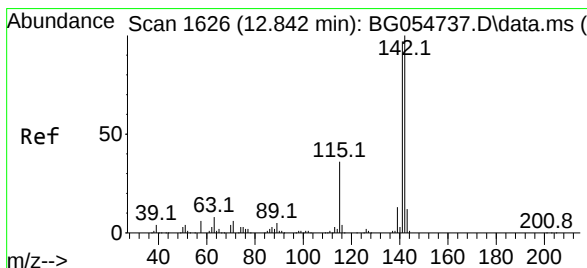
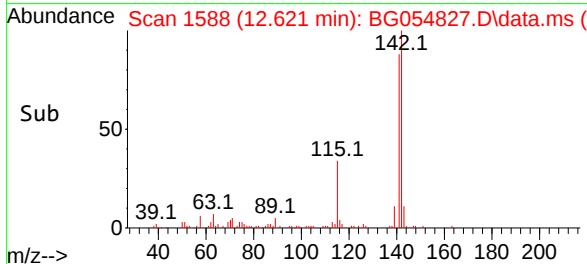
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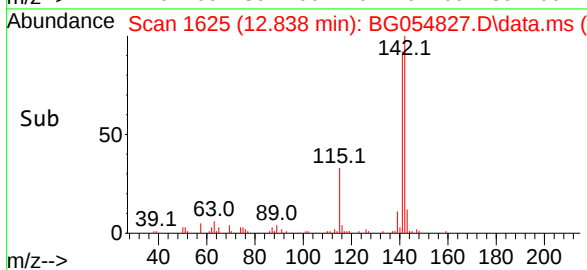
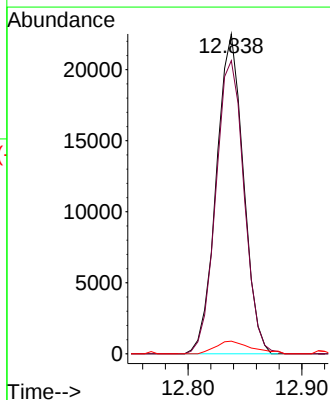
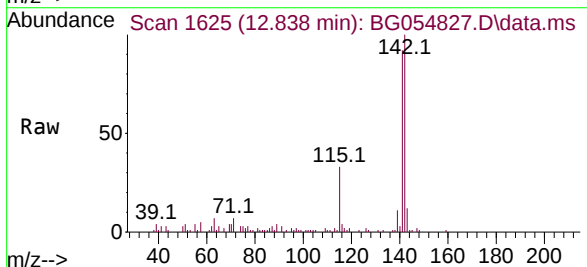
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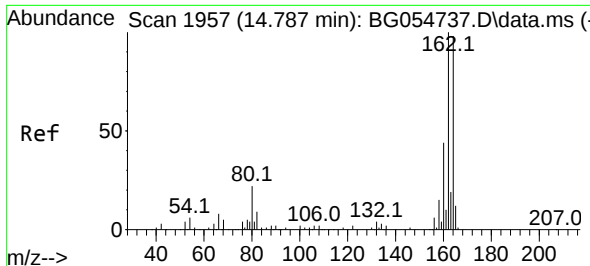
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#38
1-Methylnaphthalene
Concen: 4.806 ng
RT: 12.838 min Scan# 1625
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

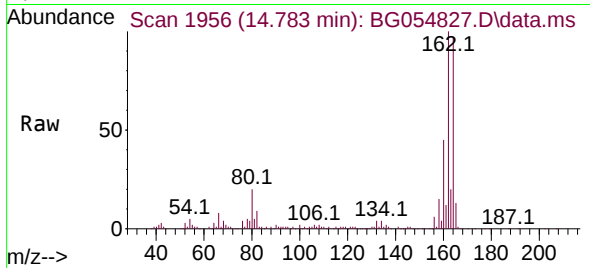
Tgt Ion:142 Resp: 37259
Ion Ratio Lower Upper
142 100
141 91.6 77.4 116.0
116 4.0 3.0 4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.783 min Scan# 1957
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

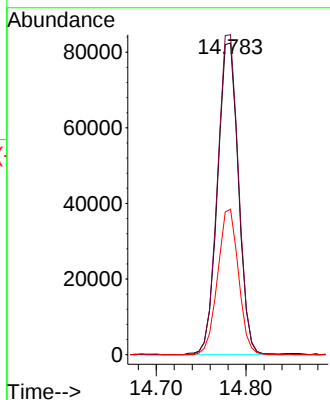
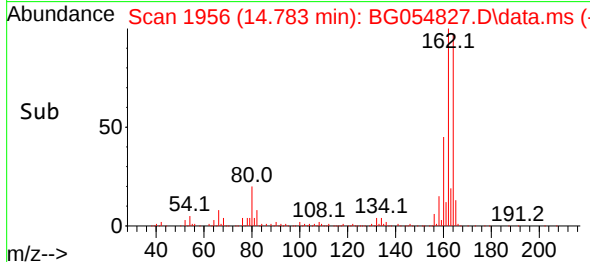
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-03-0-5



Tgt Ion:164 Resp: 133637
Ion Ratio Lower Upper
164 100
162 102.7 83.0 124.4
160 46.7 38.0 57.0

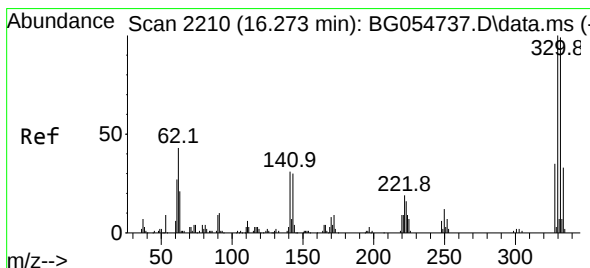
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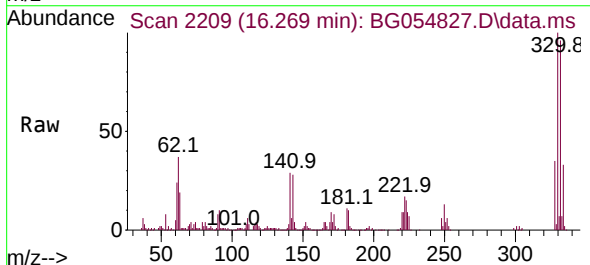


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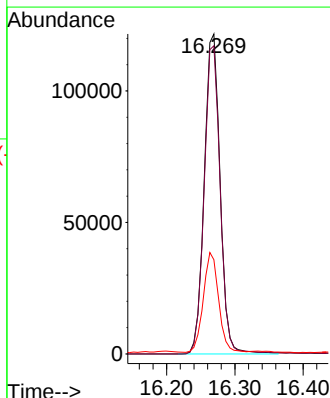
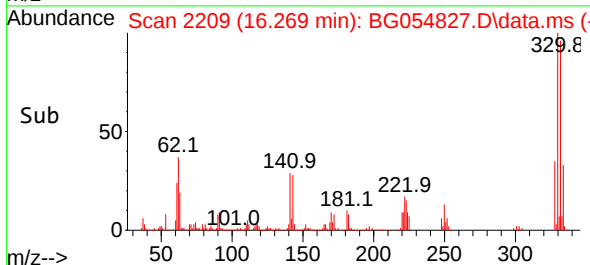
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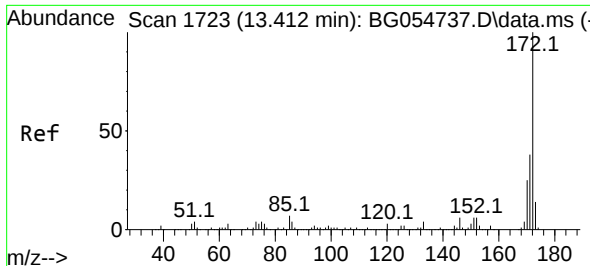


#42
2,4,6-Tribromophenol
Concen: 117.722 ng
RT: 16.269 min Scan# 2209
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20



Tgt Ion:330 Resp: 196581
Ion Ratio Lower Upper
330 100
332 97.3 79.8 119.6
141 30.1 26.8 40.2





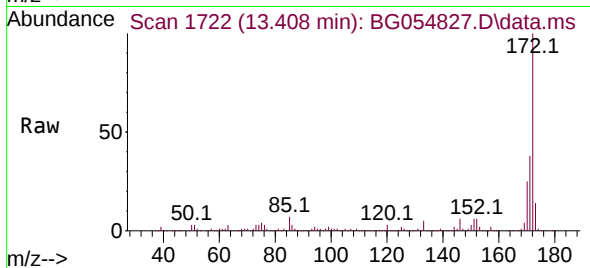
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2-Fluorobiphenyl
Concen: 77.063 ng
RT: 13.408 min Scan# 1722
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

Instrument :

BNA_G

ClientSampleId :

KTS2-TR-03-0-5

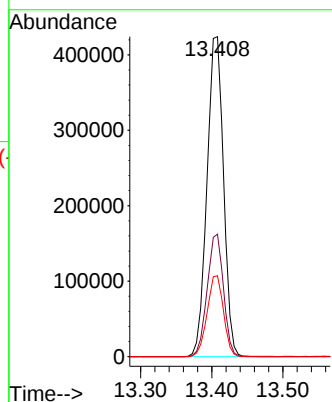
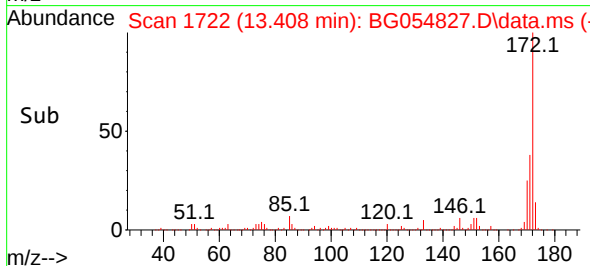


Tgt Ion:172 Resp: 685185
Ion Ratio Lower Upper
172 100
171 38.3 31.2 46.8
170 25.3 20.6 30.8

Manual Integrations

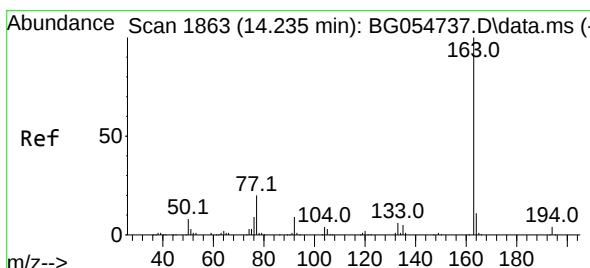
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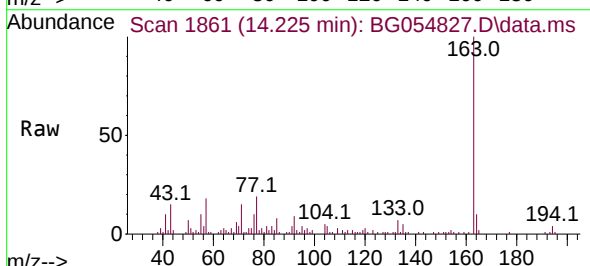


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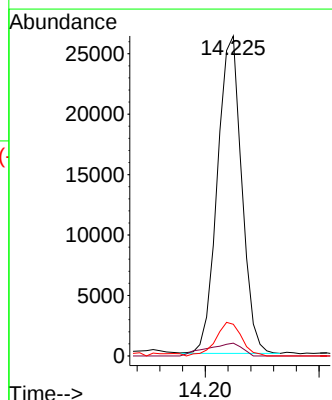
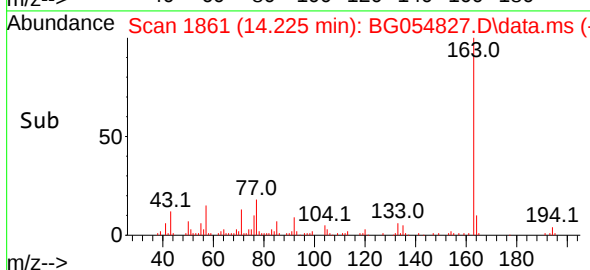
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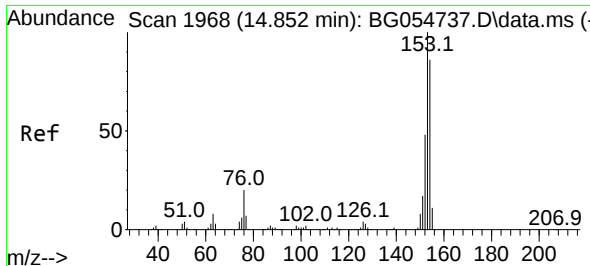


#50
Dimethylphthalate
Concen: 3.784 ng
RT: 14.225 min Scan# 1861
Delta R.T. -0.010 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20



Tgt Ion:163 Resp: 38954
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.4
164 9.9 8.0 12.0





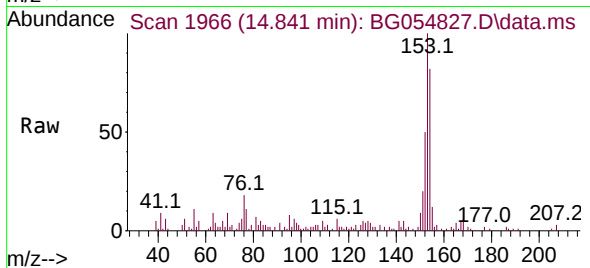
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Acenaphthene
Concen: 2.682 ng
RT: 14.841 min Scan# 1966
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Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

Instrument :

BNA_G

ClientSampleId :

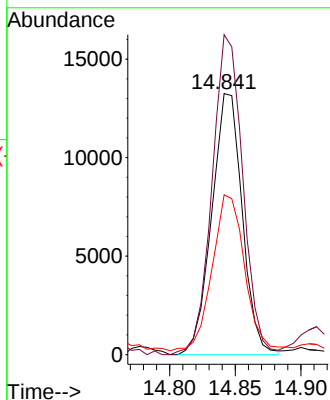
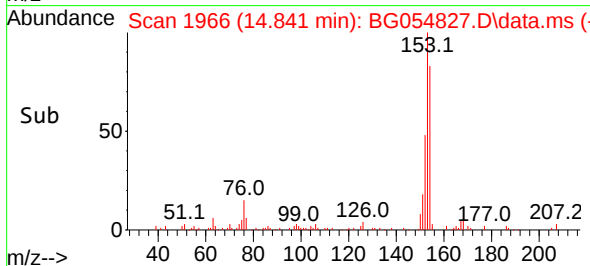
KTS2-TR-03-0-5



Tgt Ion:154 Resp: 21424
Ion Ratio Lower Upper
154 100
153 122.6 92.8 139.2
152 61.2 45.4 68.2

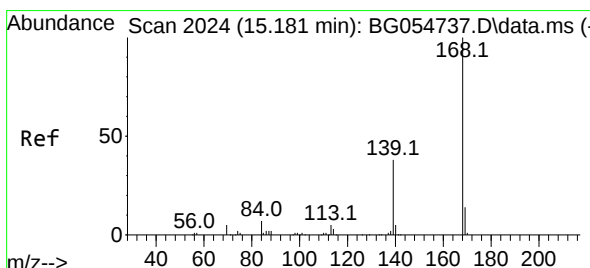
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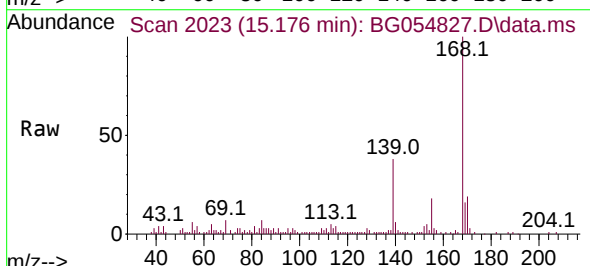


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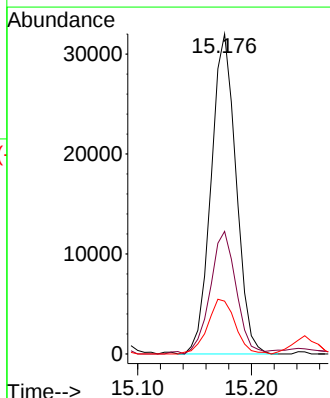
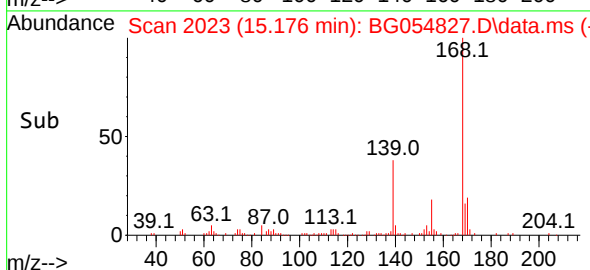
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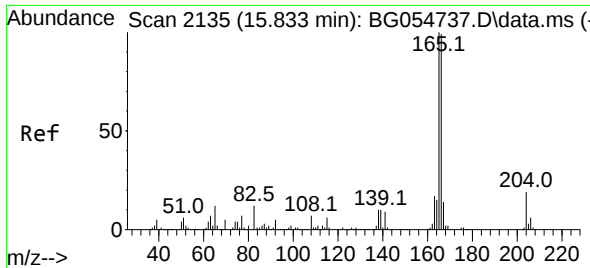


#55
Dibenzofuran
Concen: 4.144 ng
RT: 15.176 min Scan# 2023
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20



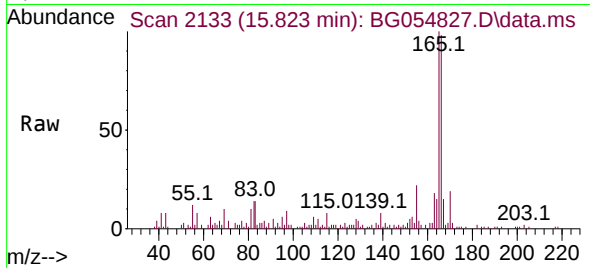
Tgt Ion:168 Resp: 48642
Ion Ratio Lower Upper
168 100
139 38.3 30.2 45.2
169 16.5 11.3 16.9





#58
Fluorene
Concen: 3.208 ng
RT: 15.823 min Scan# 2135
Delta R.T. -0.010 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

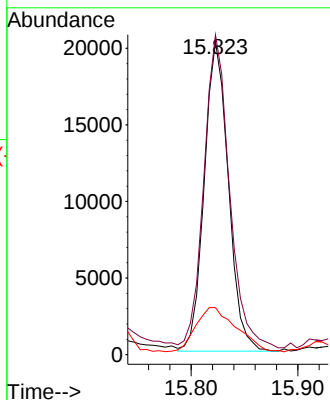
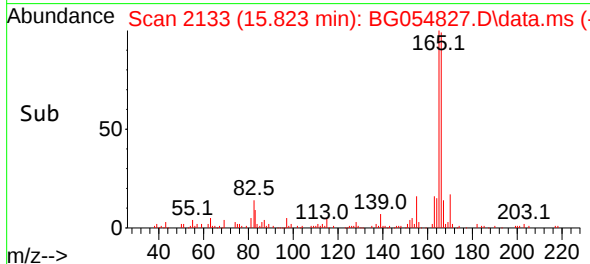
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-03-0-5



Tgt Ion:166 Resp: 31729
Ion Ratio Lower Upper
166 100
165 102.3 80.8 121.2
167 15.0 11.4 17.0

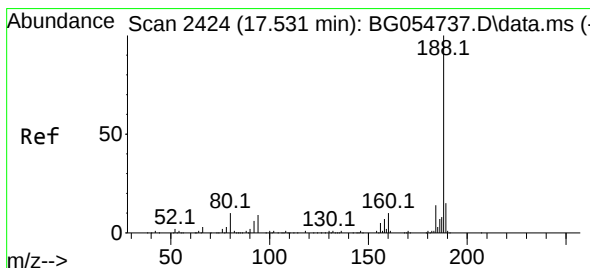
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Supervised By :Jagrut Upadhyay 09/02/2022

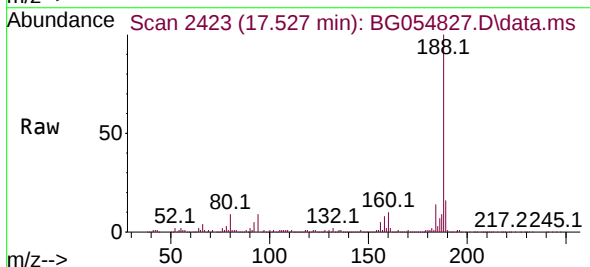


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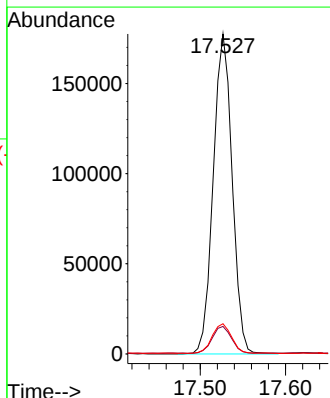
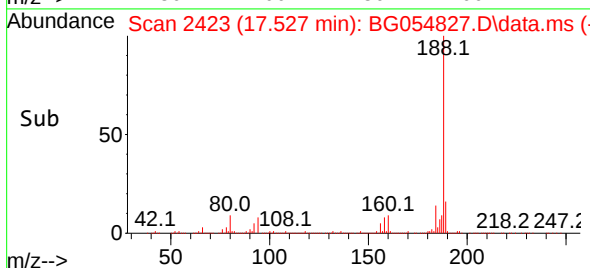
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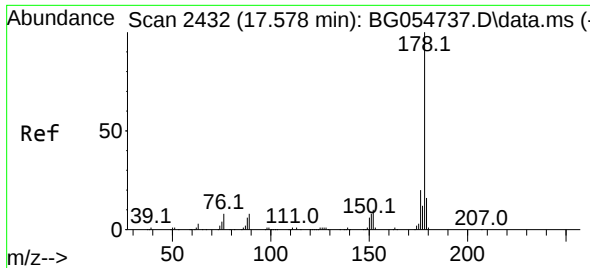


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.527 min Scan# 2423
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20



Tgt Ion:188 Resp: 273197
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.4
80 9.5 7.9 11.9





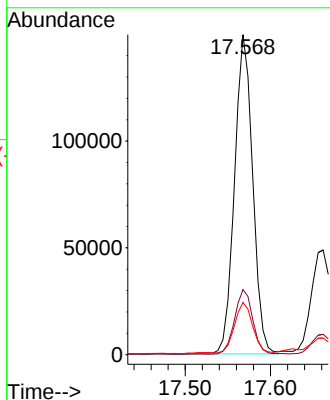
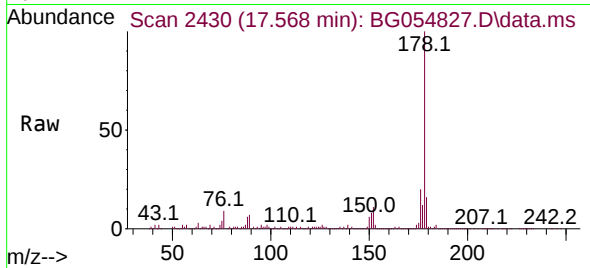
#71
Phenanthrene
Concen: 15.181 ng
RT: 17.568 min Scan# 2432
Delta R.T. -0.010 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

Instrument :
BNA_G
ClientSampleId :
KTS2-TR-03-0-5

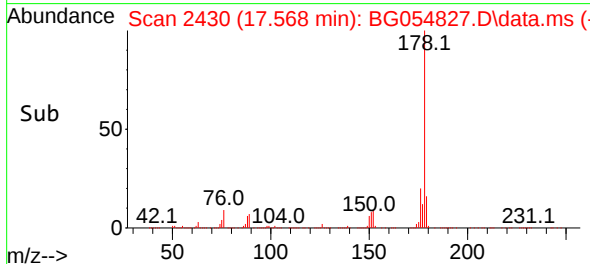
Tgt Ion:178 Resp: 220938
Ion Ratio Lower Upper
178 100
176 20.3 16.6 25.0
179 16.3 12.8 19.2

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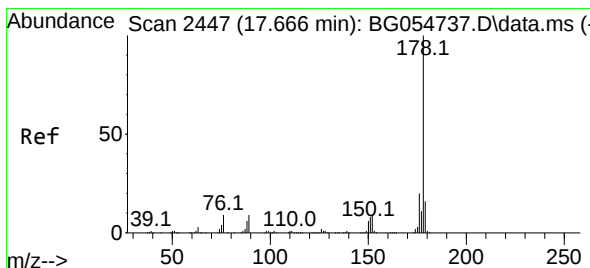
Reviewed By :Christian Giraldo 09/02/2022
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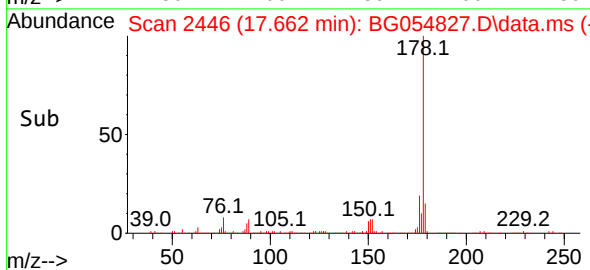
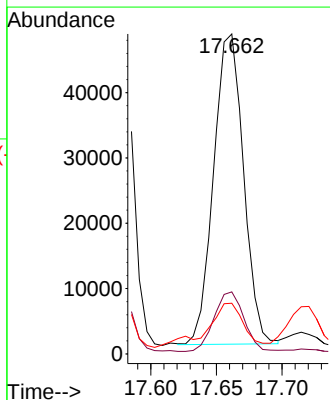
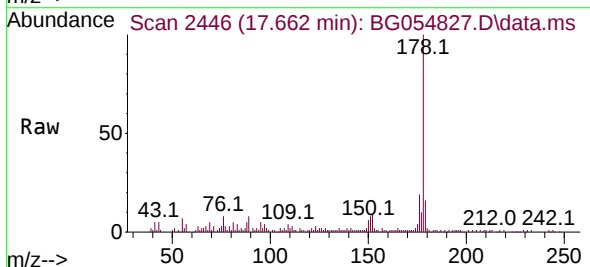


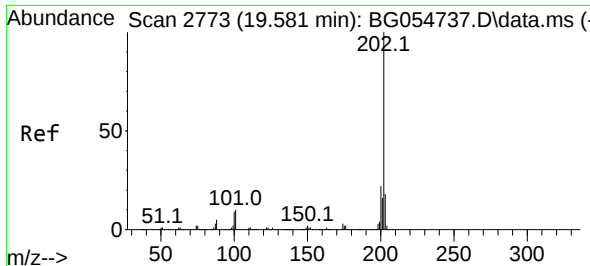
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#72
Anthracene
Concen: 5.330 ng
RT: 17.662 min Scan# 2446
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

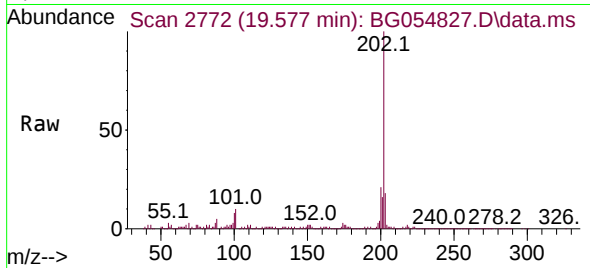
Tgt Ion:178 Resp: 75413
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.4
179 15.8 12.9 19.3





#75
Fluoranthene
Concen: 17.837 ng
RT: 19.577 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

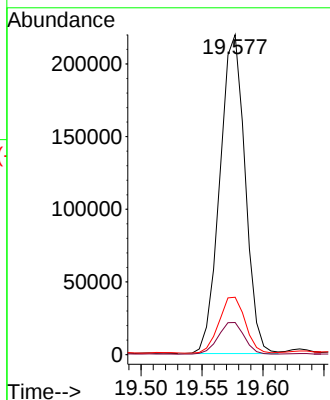
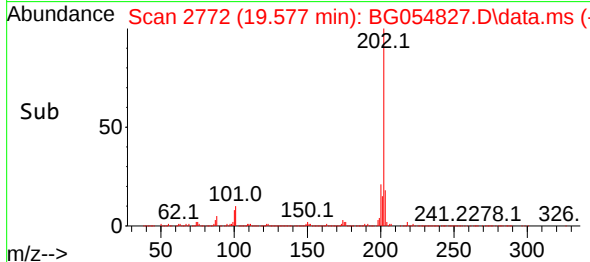
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-03-0-5



Tgt Ion:202 Resp: 315798
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.4
203 17.9 0.0 38.6

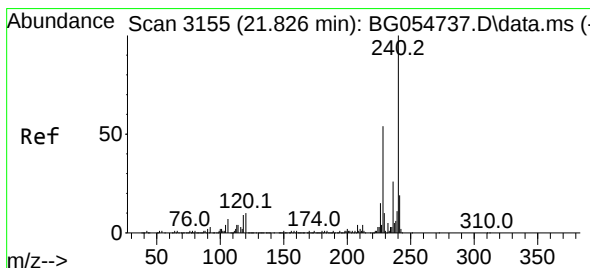
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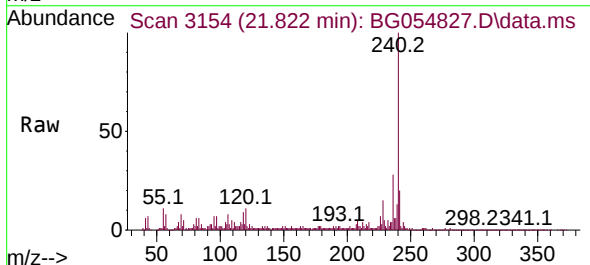


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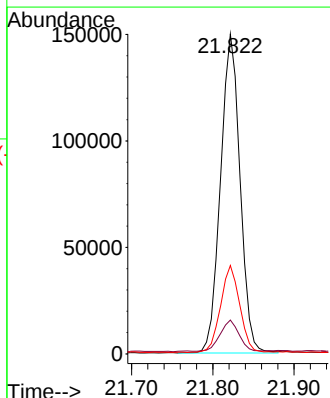
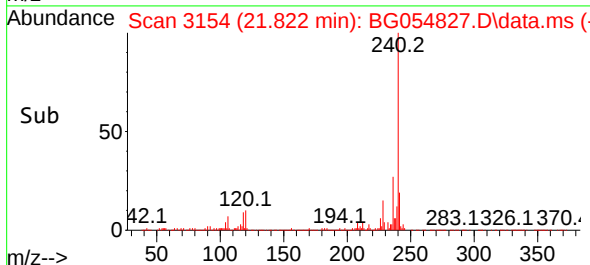
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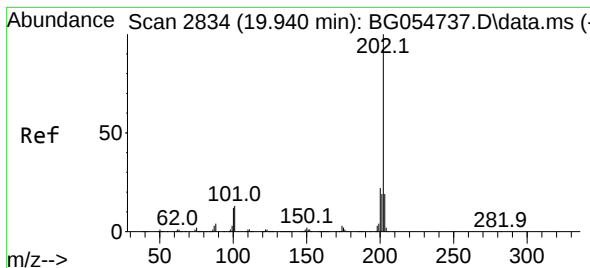


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.822 min Scan# 3154
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20



Tgt Ion:240 Resp: 249908
Ion Ratio Lower Upper
240 100
120 10.6 8.2 12.4
236 27.6 21.2 31.8





#78

Pyrene

Concen: 16.084 ng

RT: 19.936 min Scan# 2833

Delta R.T. -0.004 min

Lab File: BG054827.D

Acq: 1 Sep 2022 18:20

Instrument :

BNA_G

ClientSampleId :

KTS2-TR-03-0-5

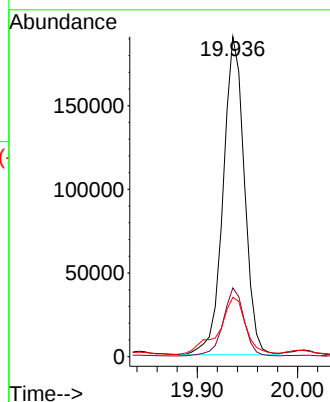
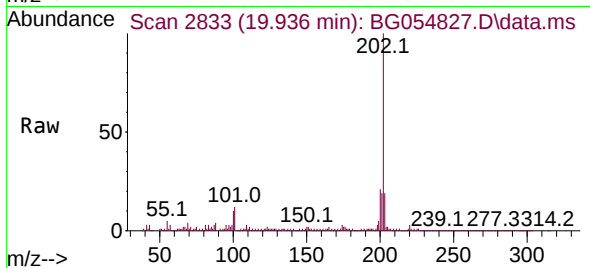
Tgt Ion:	202	Resp:	280270
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.8	26.6
203	18.6	14.6	21.8

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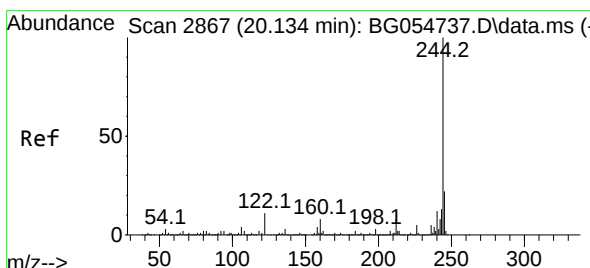
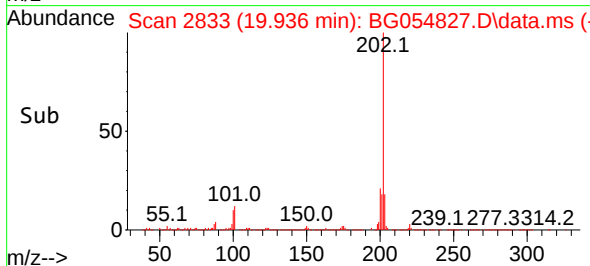
Reviewed By :Christian Giraldo 09/02/2022

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#79

Terphenyl-d14

Concen: 76.644 ng

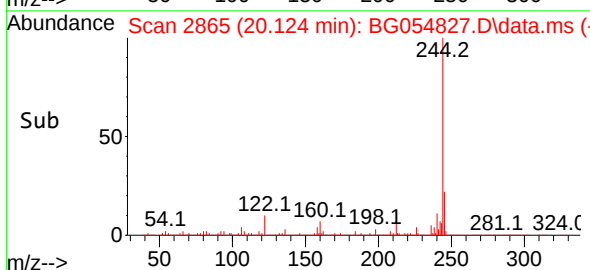
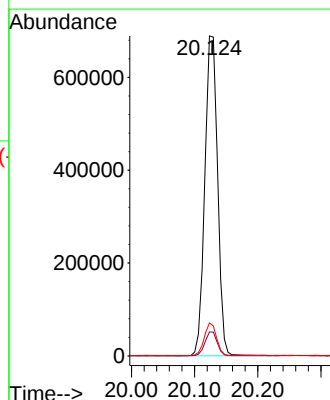
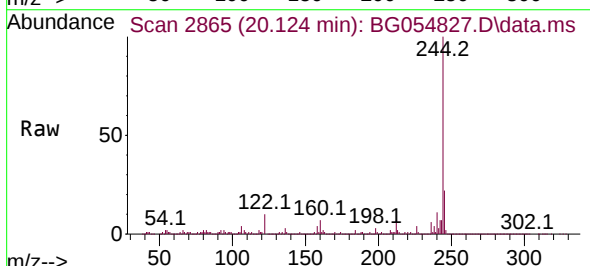
RT: 20.124 min Scan# 2865

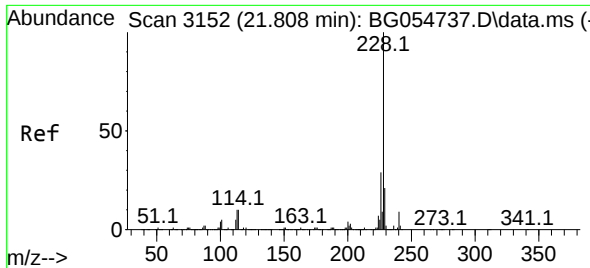
Delta R.T. -0.010 min

Lab File: BG054827.D

Acq: 1 Sep 2022 18:20

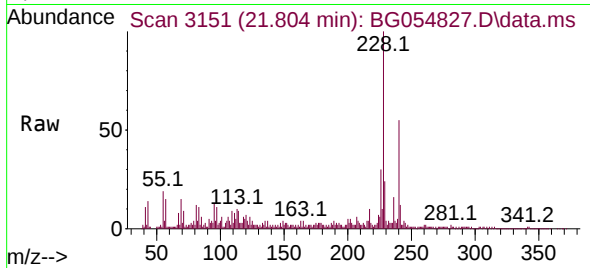
Tgt Ion:	244	Resp:	966692
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.2	9.2
122	10.3	9.0	13.6





#81
Benzo(a)anthracene
Concen: 8.396 ng
RT: 21.804 min Scan# 3152
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

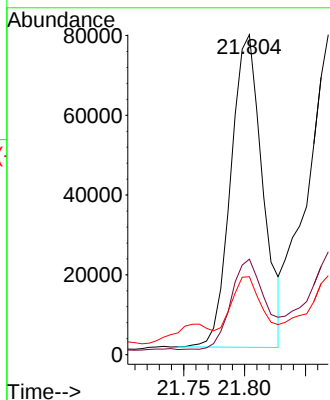
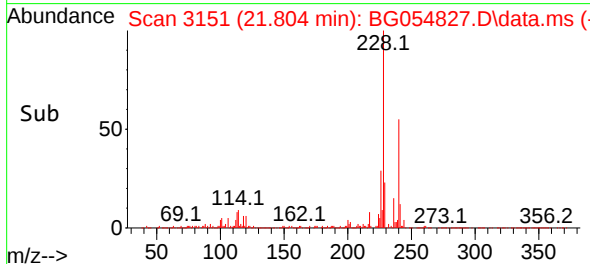
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-03-0-5



Tgt Ion:228 Resp: 142262
Ion Ratio Lower Upper
228 100
226 29.8 23.4 35.2
229 24.3 16.5 24.7

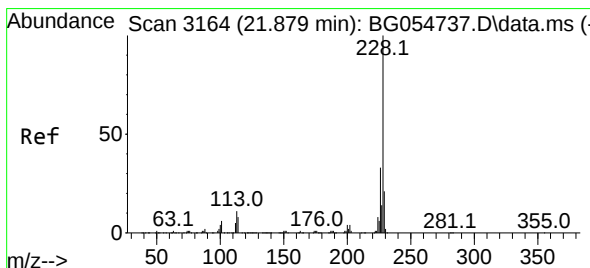
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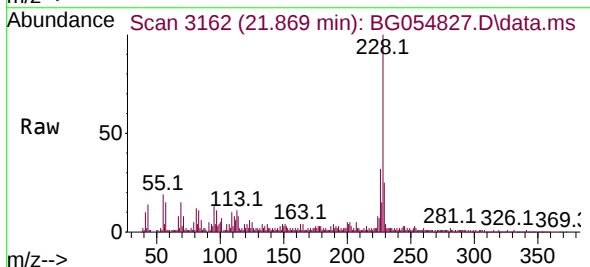


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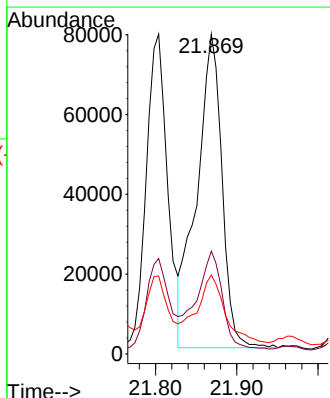
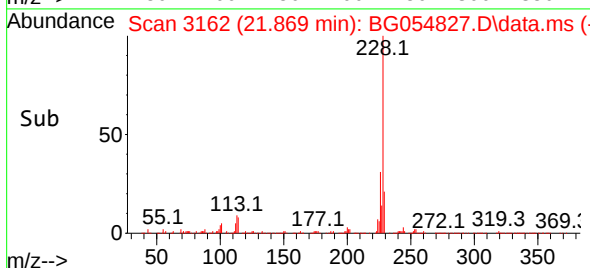
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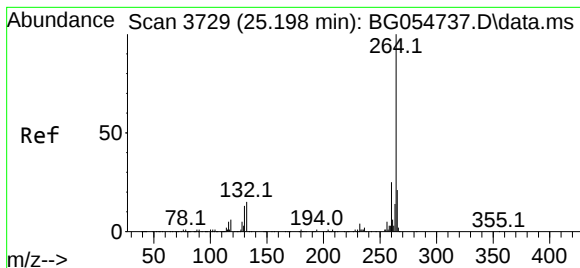


#83
Chrysene
Concen: 10.529 ng
RT: 21.869 min Scan# 3162
Delta R.T. -0.010 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20



Tgt Ion:228 Resp: 170585
Ion Ratio Lower Upper
228 100
226 32.1 25.5 38.3
229 24.7 16.8 25.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.200 min Scan# 31

Delta R.T. 0.002 min

Lab File: BG054827.D

Acq: 1 Sep 2022 18:20

Instrument :

BNA_G

ClientSampleId :

KTS2-TR-03-0-5

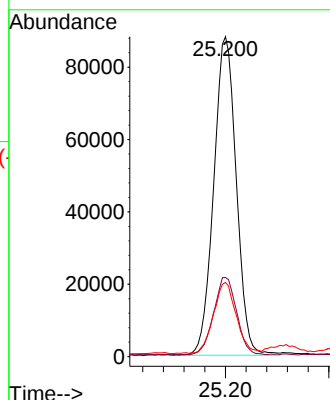
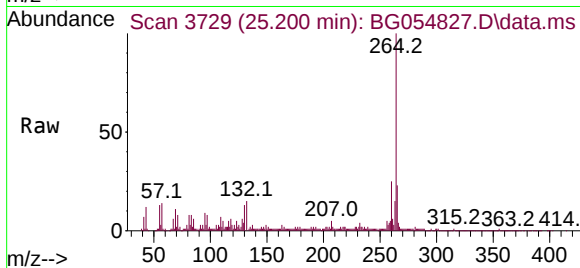
Tgt Ion:	264	Resp:	267394
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.9	29.9
265	23.2	16.9	25.3

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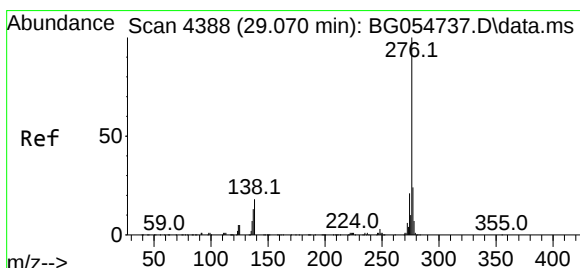
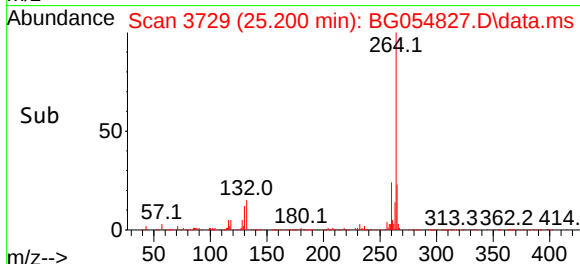
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#87

Indeno(1,2,3-cd)pyrene

Concen: 4.664 ng

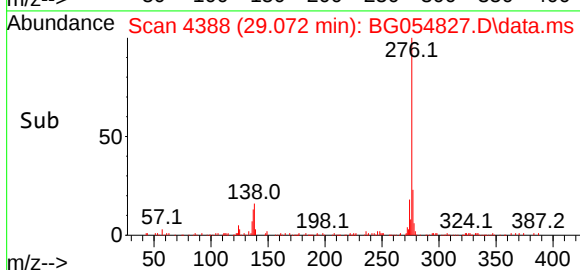
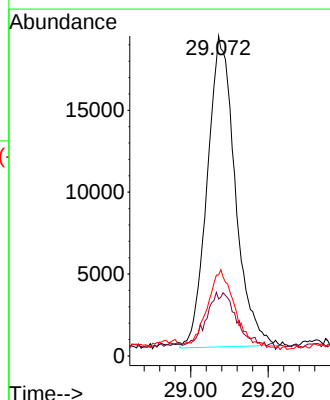
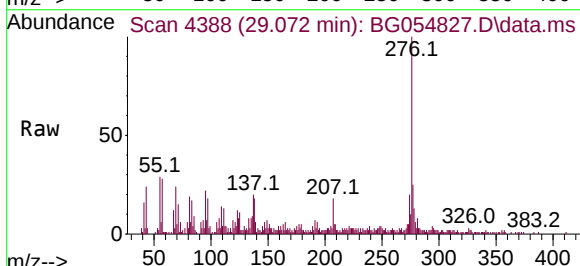
RT: 29.072 min Scan# 4388

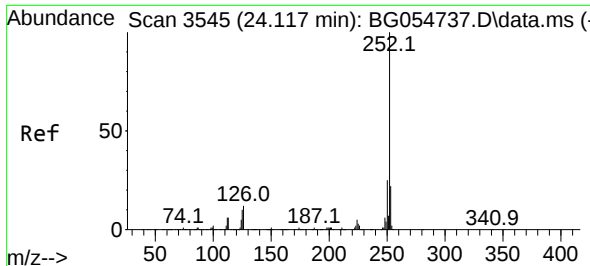
Delta R.T. 0.002 min

Lab File: BG054827.D

Acq: 1 Sep 2022 18:20

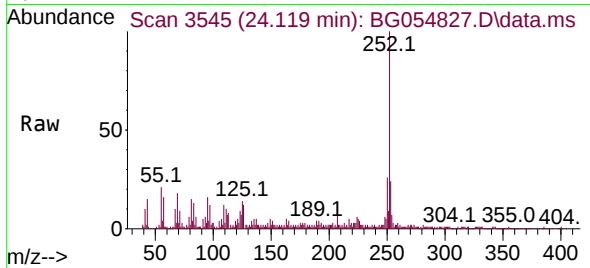
Tgt Ion:	276	Resp:	94677
Ion Ratio	Lower	Upper	
276	100		
138	7.6	12.0	18.0#
277	25.8	20.2	30.4





#88
Benzo(b)fluoranthene
Concen: 12.695 ng
RT: 24.119 min Scan# 3545
Delta R.T. 0.002 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

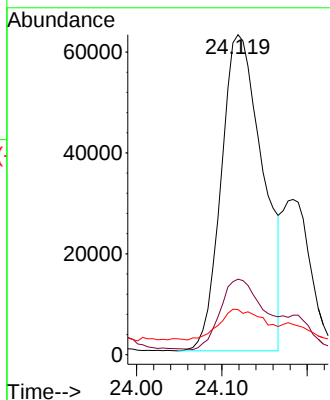
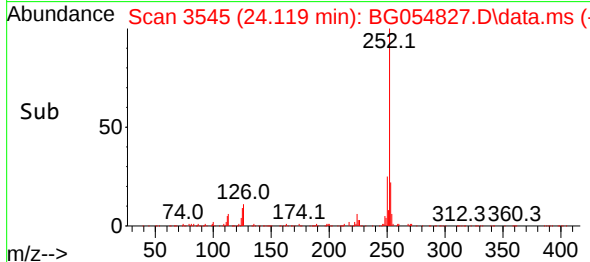
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-03-0-5



Tgt Ion:252 Resp: 212939
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 14.1 8.1 12.1

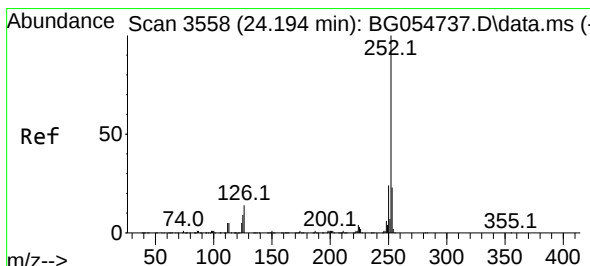
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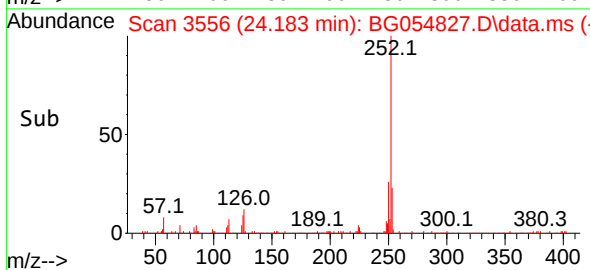
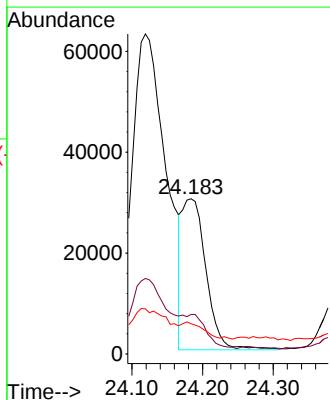
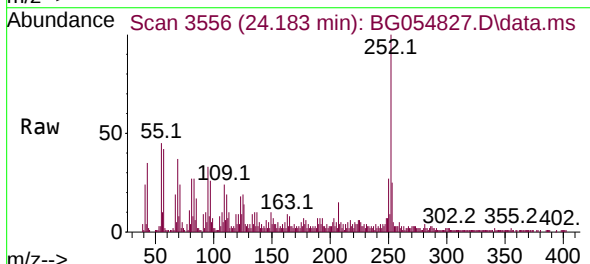
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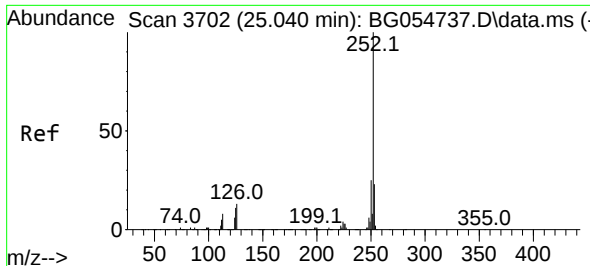
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#89
Benzo(k)fluoranthene
Concen: 4.184 ng m
RT: 24.183 min Scan# 3556
Delta R.T. -0.010 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

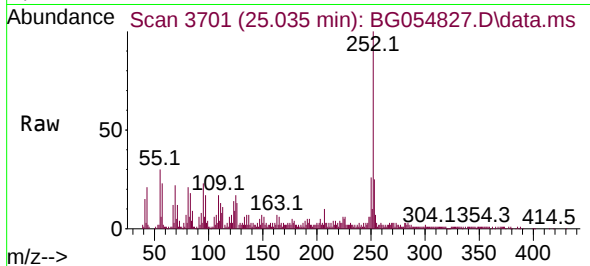
Tgt Ion:252 Resp: 70633
Ion Ratio Lower Upper
252 100
253 25.4 17.8 26.8
125 19.5 8.2 12.4





#90
Benzo(a)pyrene
Concen: 8.054 ng
RT: 25.035 min Scan# 3702
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

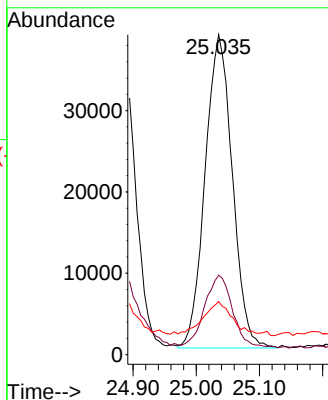
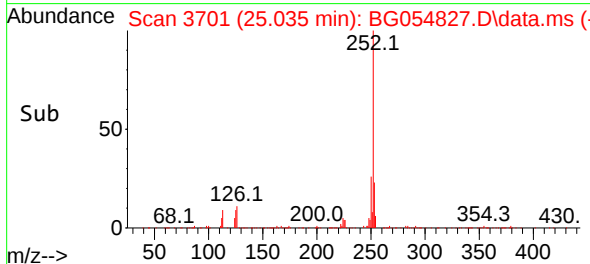
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-03-0-5



Tgt Ion: 252 Resp: 115427
Ion Ratio Lower Upper
252 100
253 24.8 18.3 27.5
125 16.6 8.8 13.2

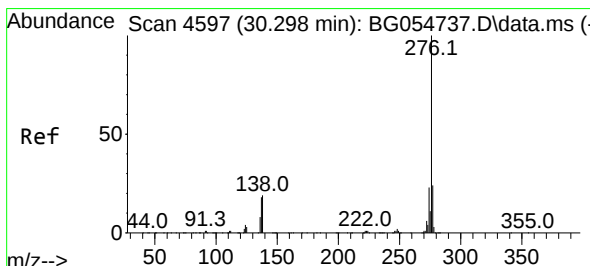
Manual Integrations
APPROVED

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

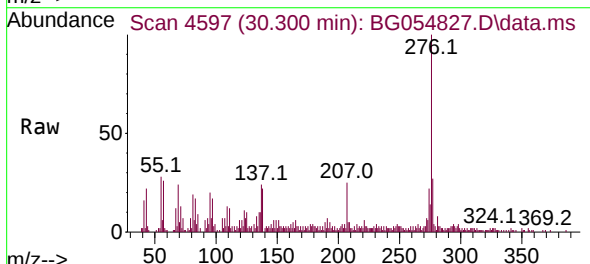


09/02/2022
Supervised By : Jagrut
Upadhyay

09/02/2022



#92
Benzo(g,h,i)perylene
Concen: 5.463 ng
RT: 30.300 min Scan# 4597
Delta R.T. 0.002 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20



Tgt Ion: 276 Resp: 91271
Ion Ratio Lower Upper
276 100
277 26.6 19.4 29.0
138 21.7 16.6 25.0

