

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090722\
 Data File : BG054875.D
 Acq On : 7 Sep 2022 19:16
 Operator : CG/JU
 Sample : N4518-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-090622

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/08/2022
 Supervised By : Jagrut Upadhyay 09/08/2022

Quant Time: Sep 08 04:47:21 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	54108	20.000	ng	0.00
21) Naphthalene-d8	10.975	136	223725	20.000	ng	0.00
39) Acenaphthene-d10	14.783	164	144722	20.000	ng	0.00
64) Phenanthrene-d10	17.532	188	296775	20.000	ng	0.00
76) Chrysene-d12	21.827	240	275778	20.000	ng	0.00
86) Perylene-d12	25.212	264	295177	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	39427	12.689	ng	0.00
7) Phenol-d6	7.303	99	53650	12.625	ng	0.00
23) Nitrobenzene-d5	9.318	82	32039	7.518	ng	-0.01
42) 2,4,6-Tribromophenol	16.269	330	21639	11.966	ng	0.00
45) 2-Fluorobiphenyl	13.402	172	85693	8.900	ng	-0.01
79) Terphenyl-d14	20.129	244	131563	9.452	ng	0.00
Target Compounds						Qvalue
58) Fluorene	15.828	166	25605	2.391	ng	99
71) Phenanthrene	17.573	178	196698	12.442	ng	99
72) Anthracene	17.662	178	52058	3.387	ng	98
75) Fluoranthene	19.577	202	345837	17.982	ng	98
78) Pyrene	19.941	202	335241	17.433	ng	98
81) Benzo(a)anthracene	21.810	228	170782	9.133	ng	97
83) Chrysene	21.874	228	161405m	9.028	ng	
87) Indeno(1,2,3-cd)pyrene	29.107	276	115356	5.148	ng	97
88) Benzo(b)fluoranthene	24.130	252	233967	12.635	ng	97
89) Benzo(k)fluoranthene	24.195	252	77022m	4.133	ng	
90) Benzo(a)pyrene	25.047	252	180858	11.432	ng	99
92) Benzo(g,h,i)perylene	30.323	276	115352	6.254	ng	97

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

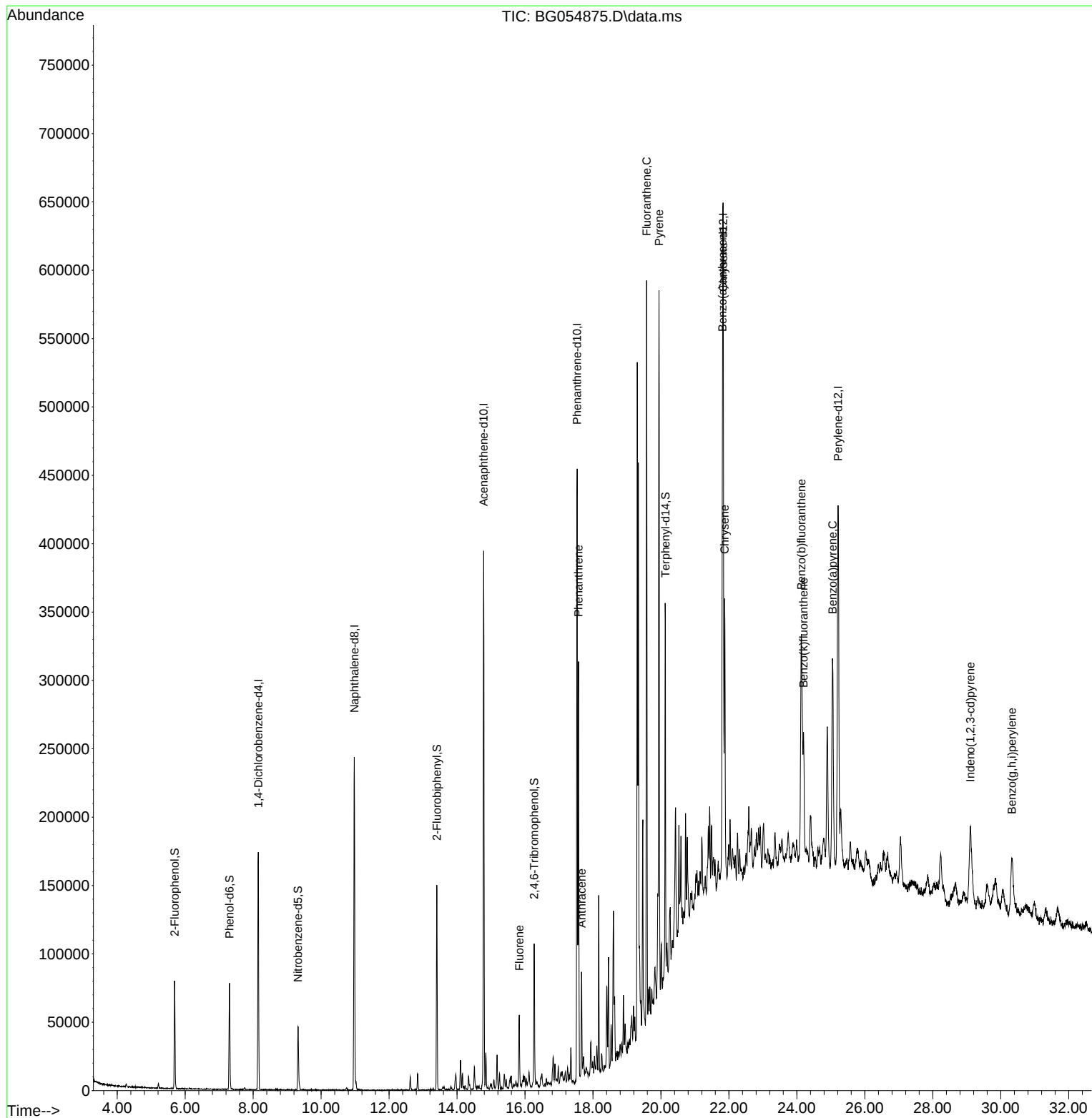
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090722\
Data File : BG054875.D
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ALS Vial : 11 Sample Multiplier: 1

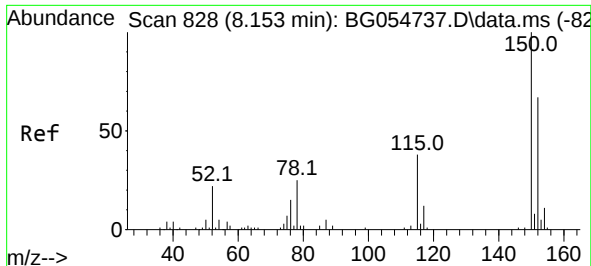
Instrument :
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Quant Time: Sep 08 04:47:21 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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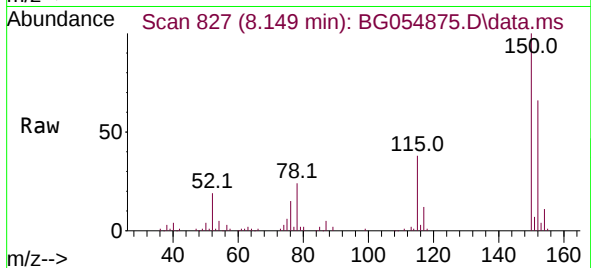
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Supervised By : Jagrut Upadhyay 09/08/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.149 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

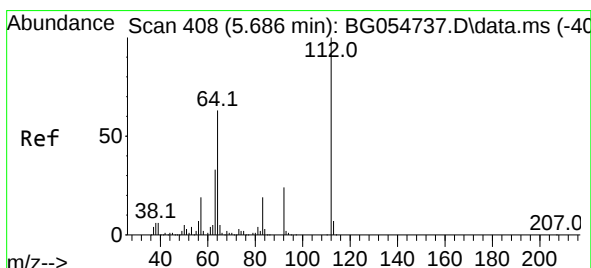
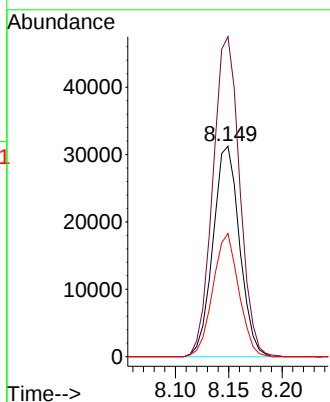
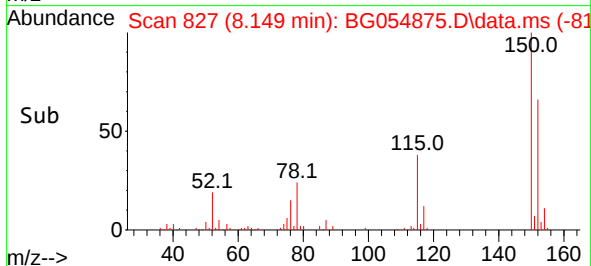
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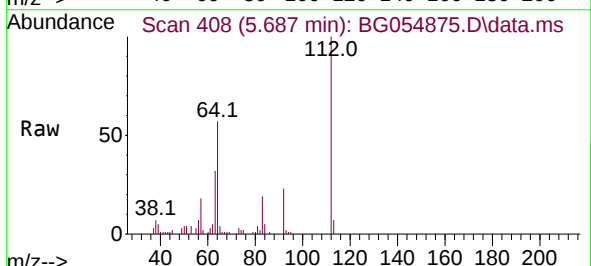
Tgt Ion:152 Resp: 54108
Ion Ratio Lower Upper
152 100
150 152.1 125.2 187.8
115 58.5 47.9 71.9

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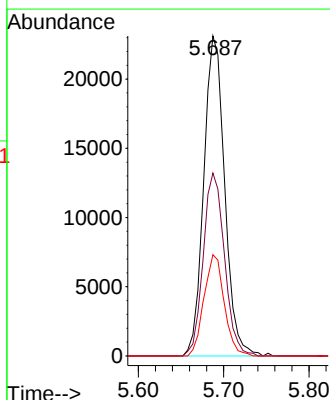
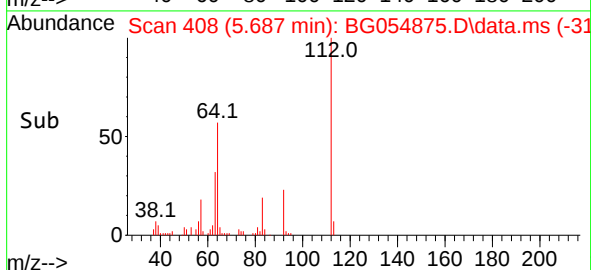
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Supervised By :Jagrut Upadhyay 09/08/2022

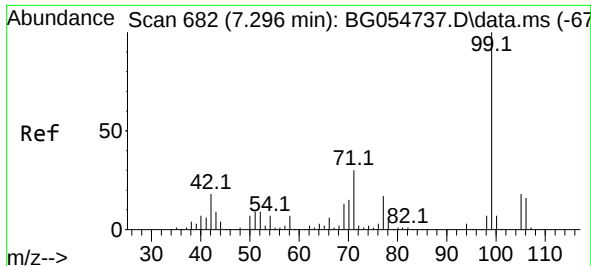


#5
2-Fluorophenol
Concen: 12.689 ng
RT: 5.687 min Scan# 408
Delta R.T. 0.002 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16



Tgt Ion:112 Resp: 39427
Ion Ratio Lower Upper
112 100
64 57.1 49.3 73.9
63 31.6 26.3 39.5





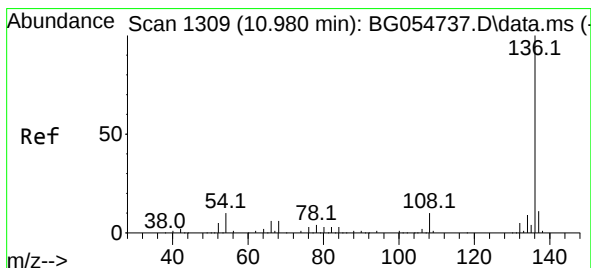
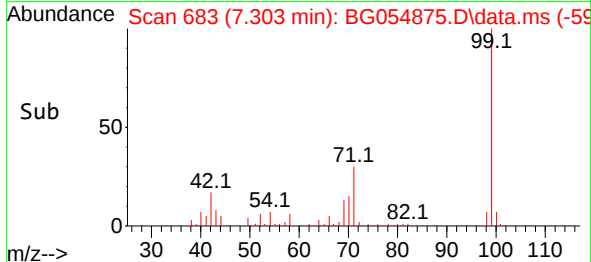
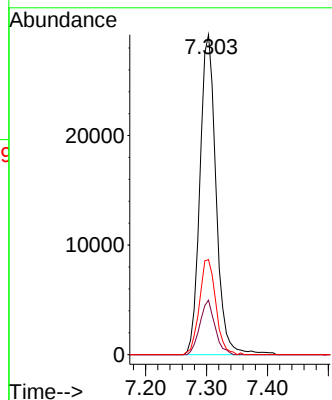
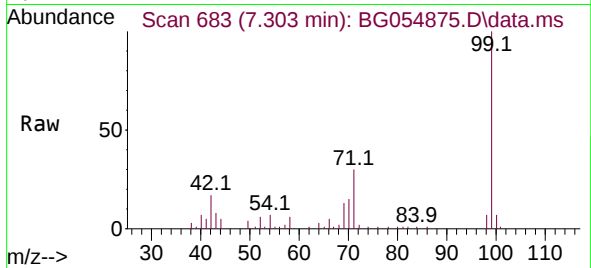
#7
Phenol-d6
Concen: 12.625 ng
RT: 7.303 min Scan# 682
Delta R.T. 0.007 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

Instrument :
BNA_G
ClientSampleId :
SU-04-090622

Tgt Ion: 99 Resp: 53650
Ion Ratio Lower Upper
99 100
42 17.0 14.6 22.0
71 29.7 24.6 37.0

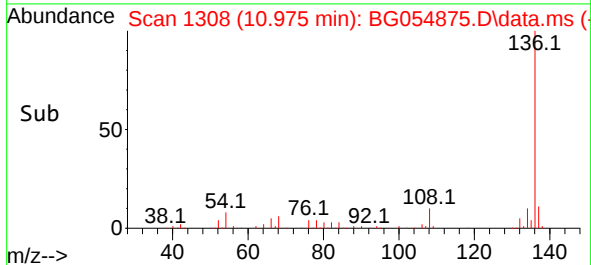
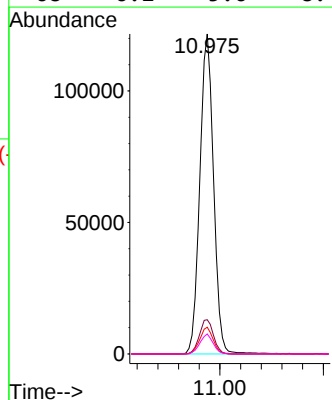
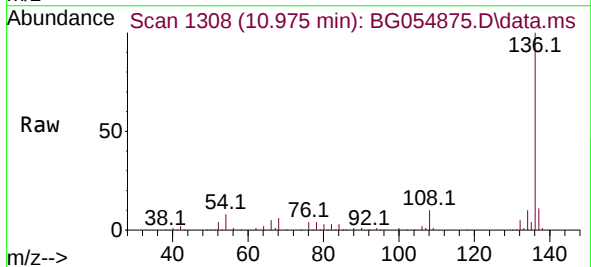
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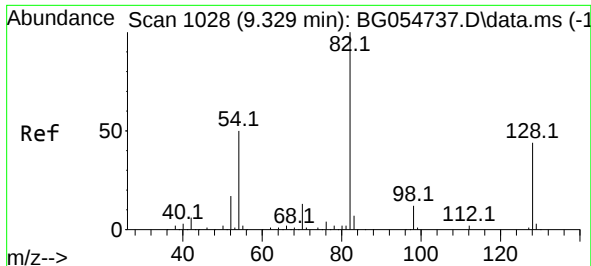
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Supervised By :Jagrut Upadhyay 09/08/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.975 min Scan# 1308
Delta R.T. -0.005 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

Tgt Ion:136 Resp: 223725
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 8.3 7.7 11.5
68 6.2 5.6 8.4





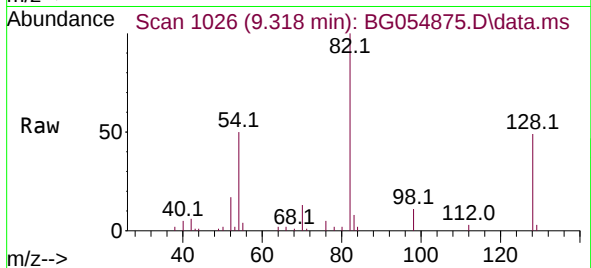
#23
Nitrobenzene-d5
Concen: 7.518 ng
RT: 9.318 min Scan# 1026
Delta R.T. -0.010 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

Instrument :

BNA_G

ClientSampleId :

SU-04-090622

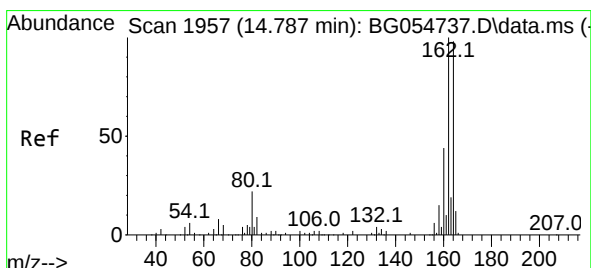
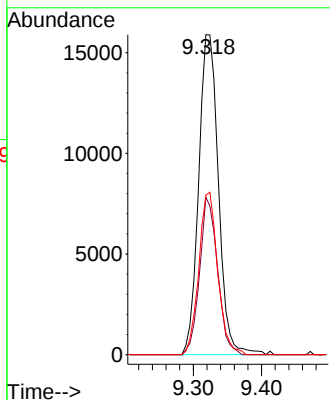
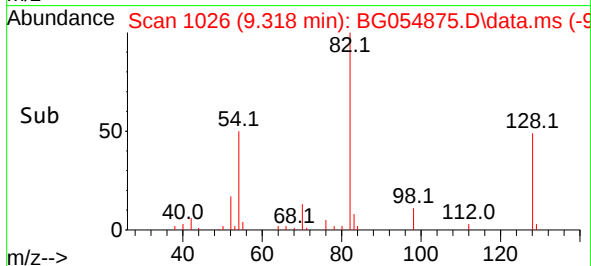


Tgt Ion: 82 Resp: 32039
Ion Ratio Lower Upper
82 100
128 49.2 32.2 48.2
54 49.8 41.4 62.0

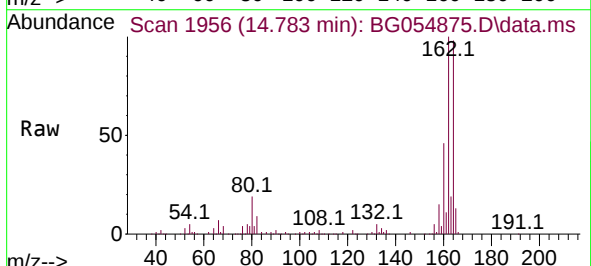
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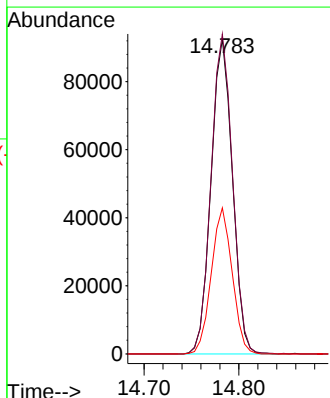
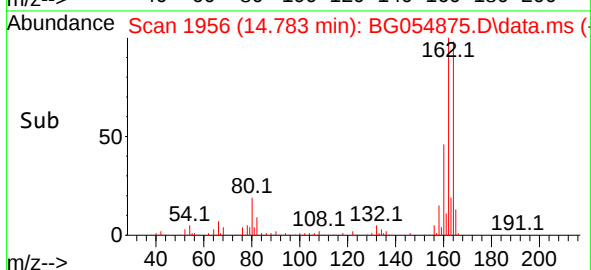
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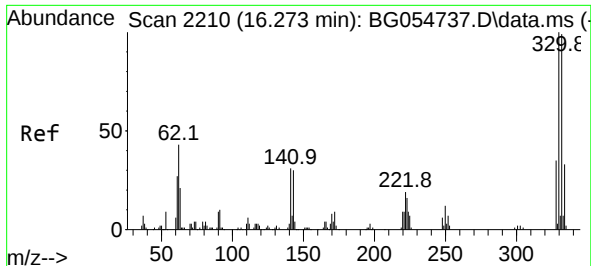


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.783 min Scan# 1956
Delta R.T. -0.004 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16



Tgt Ion:164 Resp: 144722
Ion Ratio Lower Upper
164 100
162 101.7 83.0 124.4
160 46.4 38.0 57.0





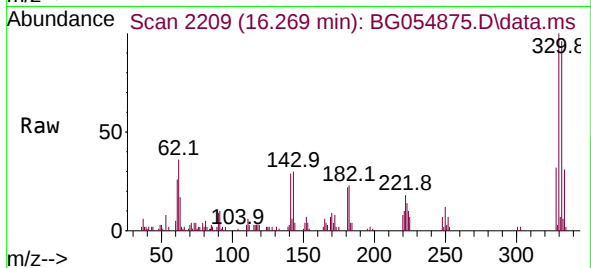
#42
2,4,6-Tribromophenol
Concen: 11.966 ng
RT: 16.269 min Scan# 21639
Delta R.T. -0.004 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

Instrument :

BNA_G

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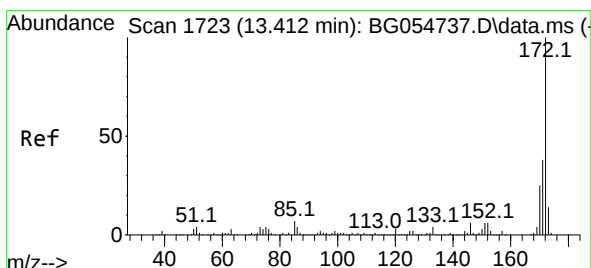
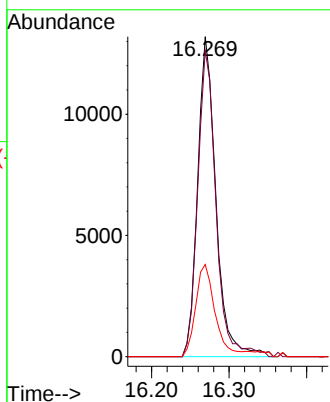
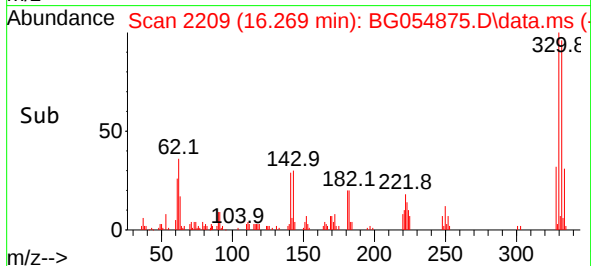


Tgt Ion:330 Resp: 21639
Ion Ratio Lower Upper
330 100
332 95.3 79.8 119.6
141 32.2 26.8 40.2

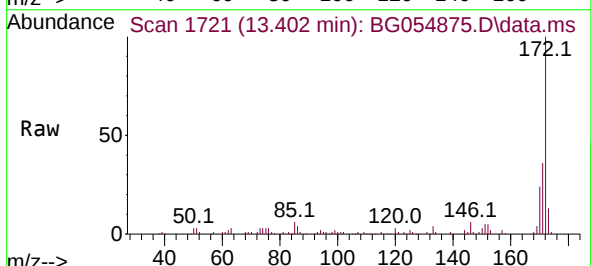
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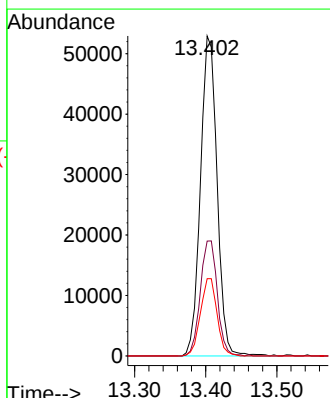
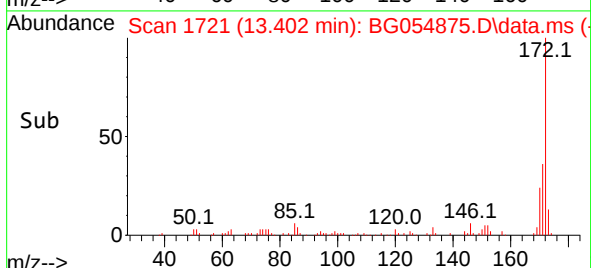
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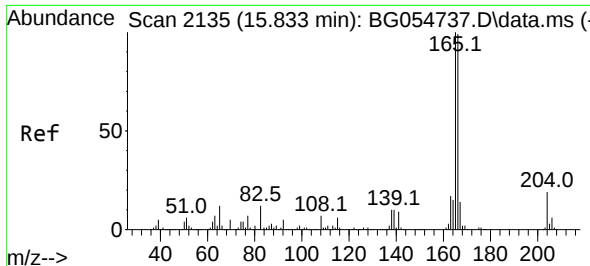


#45
2-Fluorobiphenyl
Concen: 8.900 ng
RT: 13.402 min Scan# 1721
Delta R.T. -0.010 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16



Tgt Ion:172 Resp: 85693
Ion Ratio Lower Upper
172 100
171 35.9 31.2 46.8
170 24.1 20.6 30.8





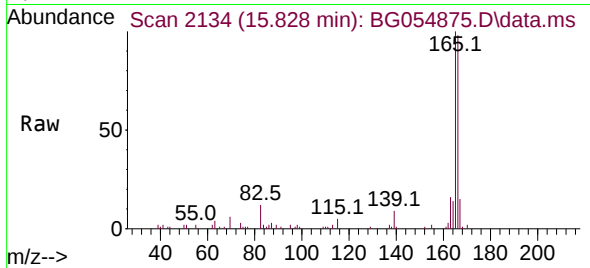
#58
Fluorene
Concen: 2.391 ng
RT: 15.828 min Scan# 2135
Delta R.T. -0.004 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

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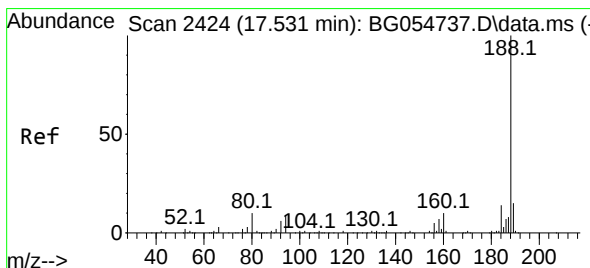
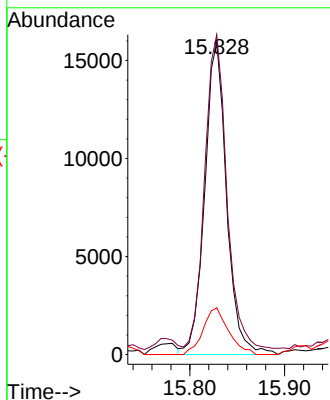
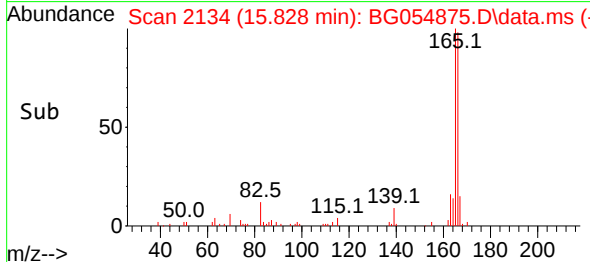


Tgt Ion:166 Resp: 25605
Ion Ratio Lower Upper
166 100
165 102.3 80.8 121.2
167 15.0 11.4 17.0

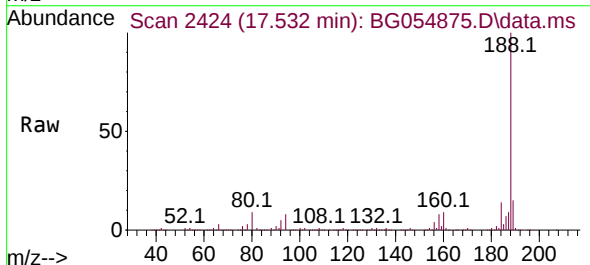
Manual Integrations

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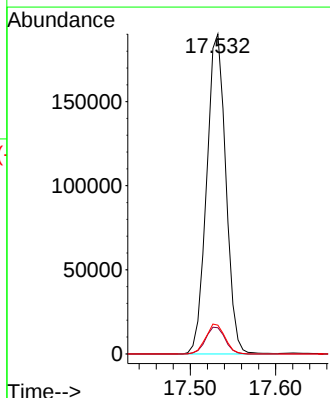
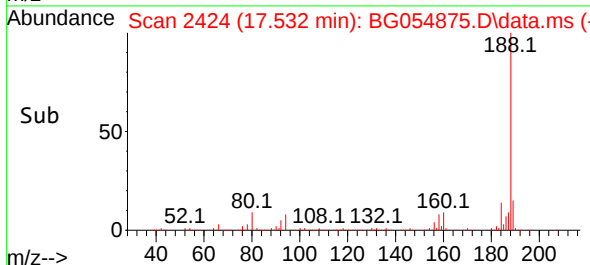
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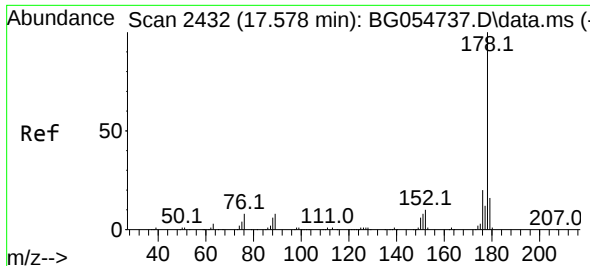


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.532 min Scan# 2424
Delta R.T. 0.002 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16



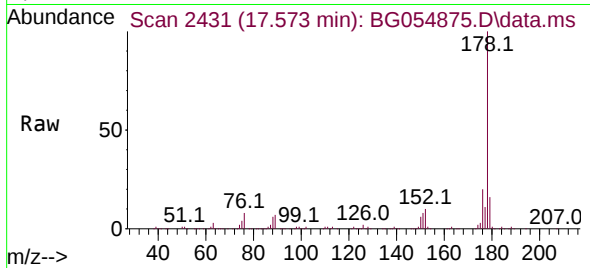
Tgt Ion:188 Resp: 296775
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.4
80 9.0 7.9 11.9





#71
Phenanthrene
Concen: 12.442 ng
RT: 17.573 min Scan# 2432
Delta R.T. -0.004 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

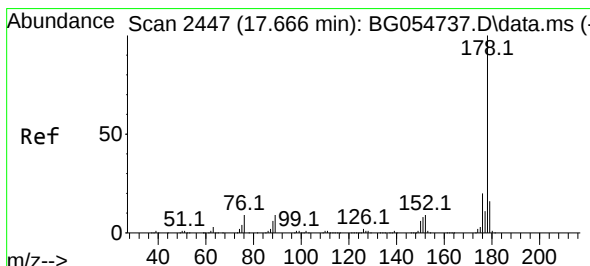
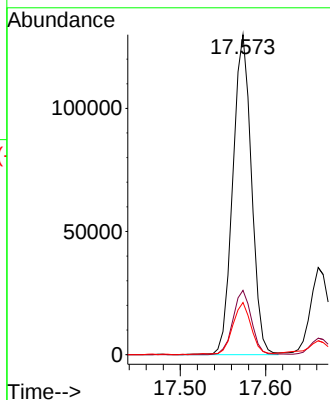
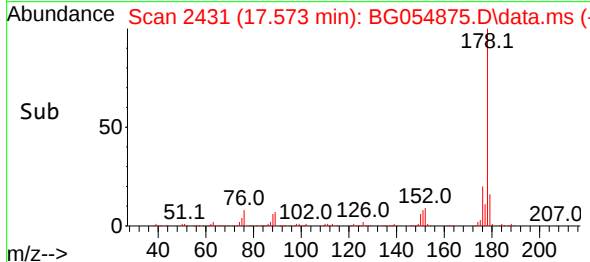
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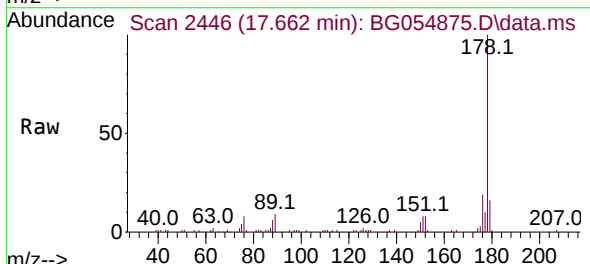
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Ion Ratio Lower Upper
178 100
176 20.1 16.6 25.0
179 16.3 12.8 19.2

Manual Integrations
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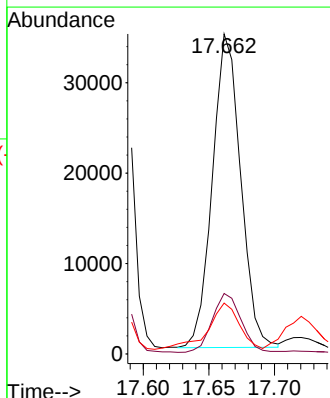
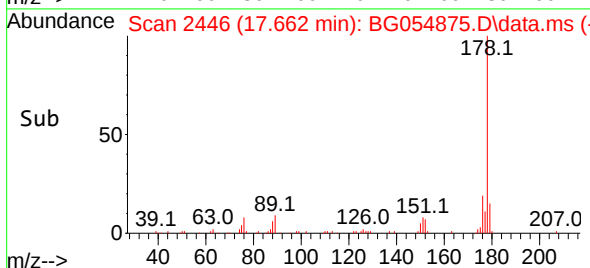
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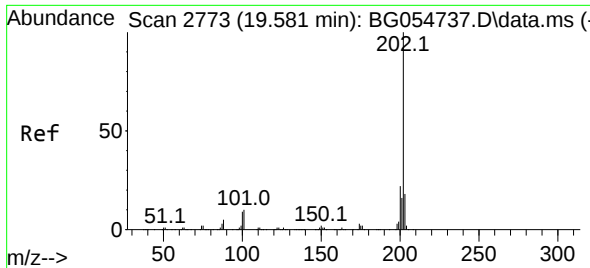


#72
Anthracene
Concen: 3.387 ng
RT: 17.662 min Scan# 2446
Delta R.T. -0.004 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16



Tgt Ion:178 Resp: 52058
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 15.9 12.9 19.3





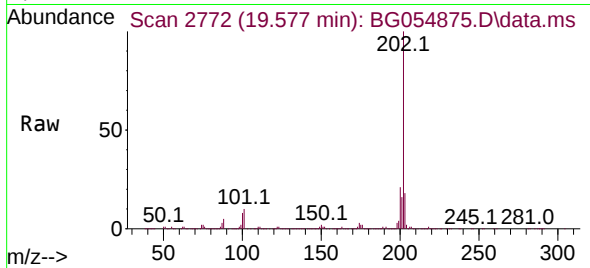
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Fluoranthene
Concen: 17.982 ng
RT: 19.577 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

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BNA_G

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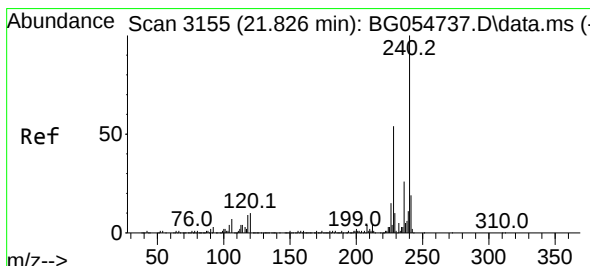
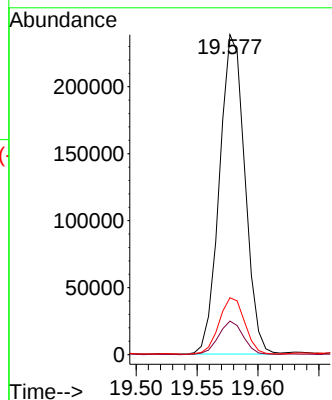
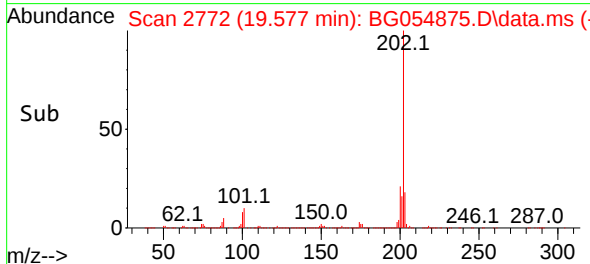


Tgt Ion:202 Resp: 34583
Ion Ratio Lower Upper
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101 10.5 0.0 31.4
203 17.8 0.0 38.6

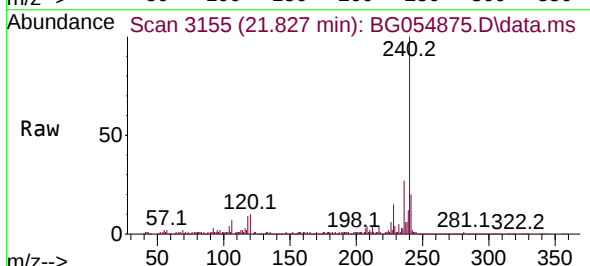
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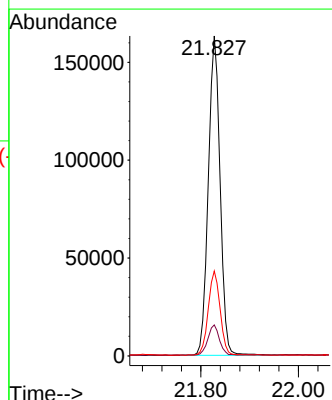
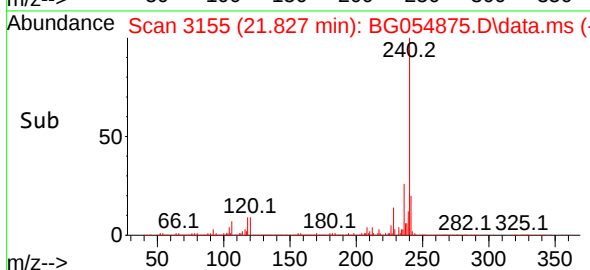
Reviewed By :Christian Giraldo 09/08/2022
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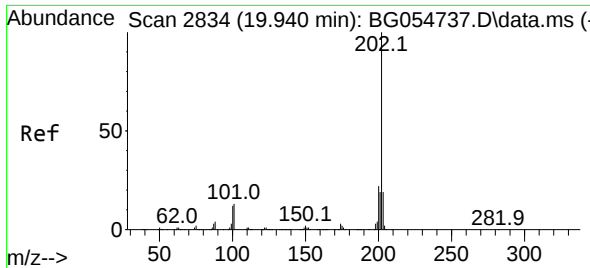


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.827 min Scan# 3155
Delta R.T. 0.002 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16



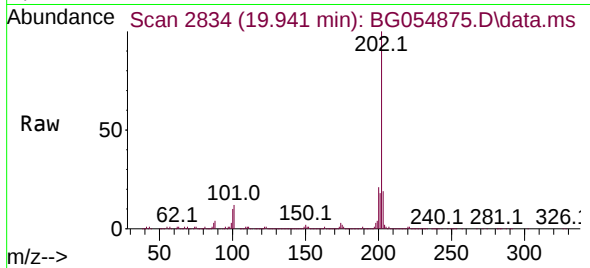
Tgt Ion:240 Resp: 275778
Ion Ratio Lower Upper
240 100
120 9.7 8.2 12.4
236 26.5 21.2 31.8





#78
Pyrene
Concen: 17.433 ng
RT: 19.941 min Scan# 2834
Delta R.T. 0.002 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

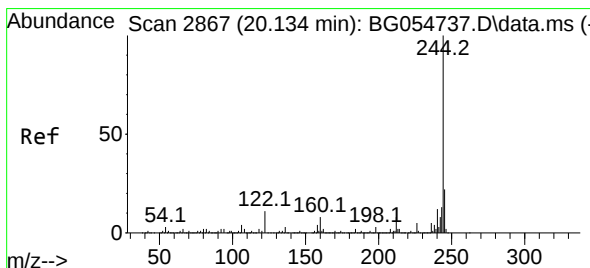
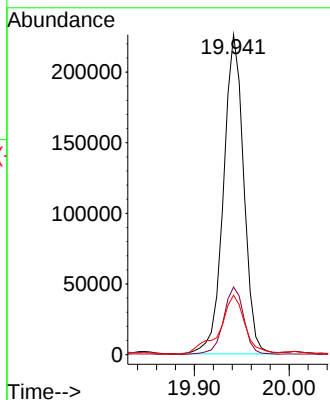
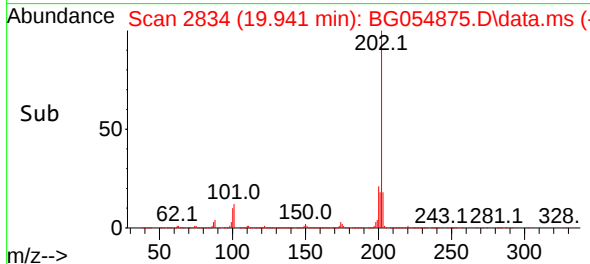
Instrument :
BNA_G
ClientSampleId :
SU-04-090622



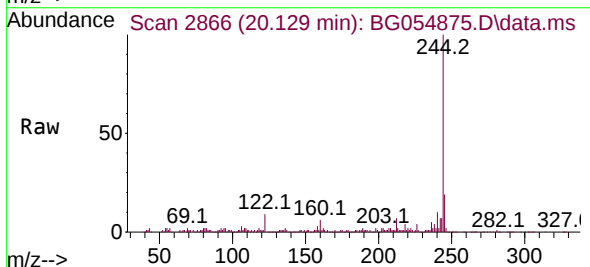
Tgt Ion:202 Resp: 335241
Ion Ratio Lower Upper
202 100
200 21.1 17.8 26.6
203 18.6 14.6 21.8

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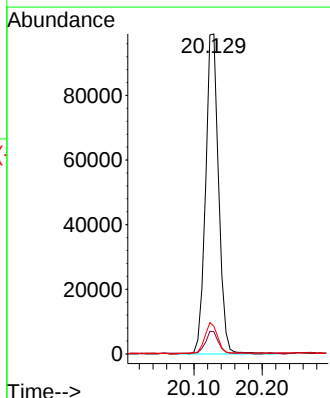
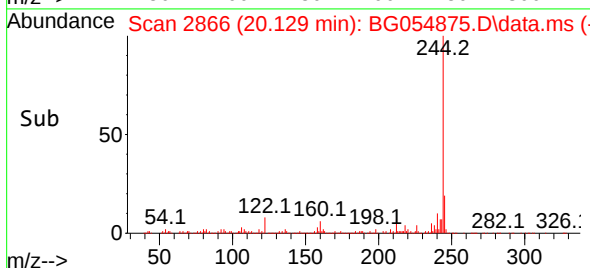
Reviewed By :Christian Giraldo 09/08/2022
Supervised By :Jagrut Upadhyay 09/08/2022

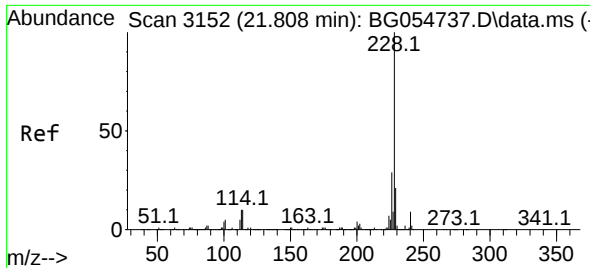


#79
Terphenyl-d14
Concen: 9.452 ng
RT: 20.129 min Scan# 2866
Delta R.T. -0.004 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16



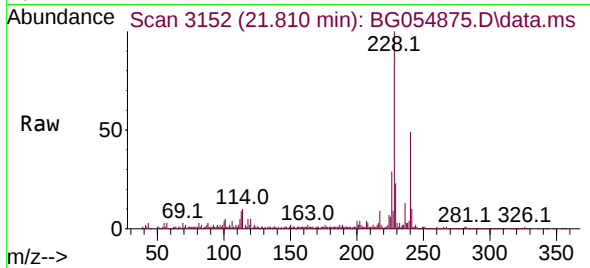
Tgt Ion:244 Resp: 131563
Ion Ratio Lower Upper
244 100
212 6.9 6.2 9.2
122 8.7 9.0 13.6





#81
Benzo(a)anthracene
Concen: 9.133 ng
RT: 21.810 min Scan# 3152
Delta R.T. 0.002 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

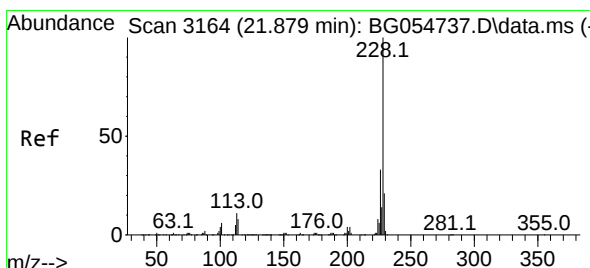
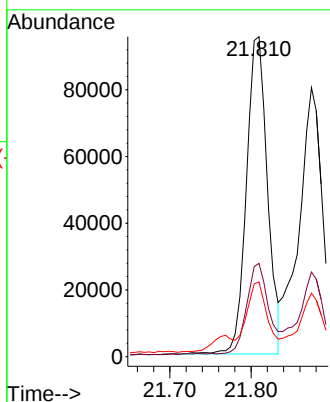
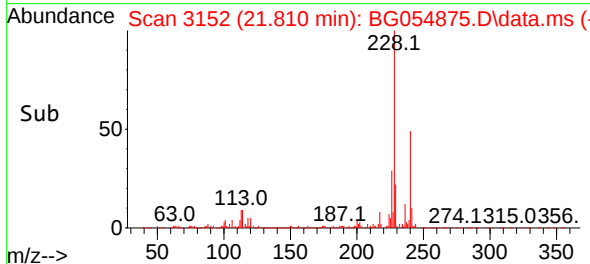
Instrument :
BNA_G
ClientSampleId :
SU-04-090622



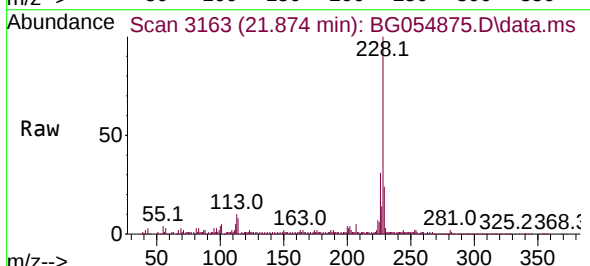
Tgt Ion:228 Resp: 170782
Ion Ratio Lower Upper
228 100
226 29.1 23.4 35.2
229 23.3 16.5 24.7

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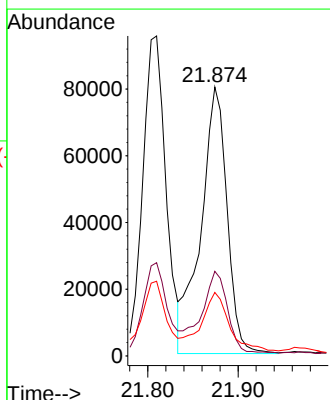
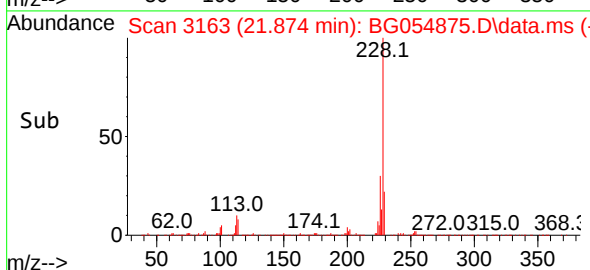
Reviewed By :Christian Giraldo 09/08/2022
Supervised By :Jagrut Upadhyay 09/08/2022

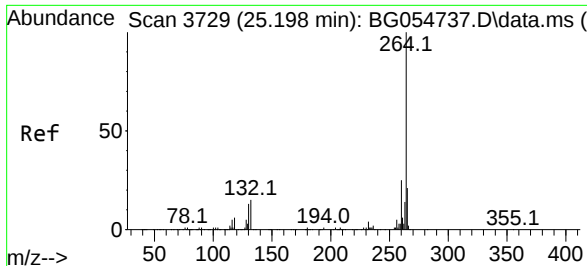


#83
Chrysene
Concen: 9.028 ng m
RT: 21.874 min Scan# 3163
Delta R.T. -0.004 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16



Tgt Ion:228 Resp: 161405
Ion Ratio Lower Upper
228 100
226 31.5 25.5 38.3
229 23.6 16.8 25.2





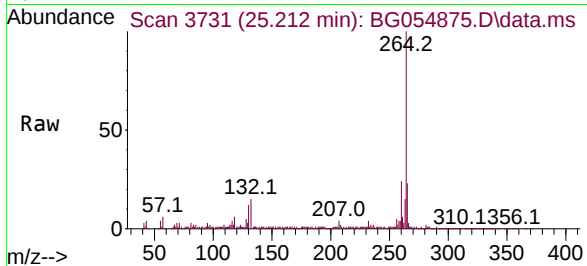
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.212 min Scan# 31
Delta R.T. 0.013 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

Instrument :

BNA_G

ClientSampleId :

SU-04-090622

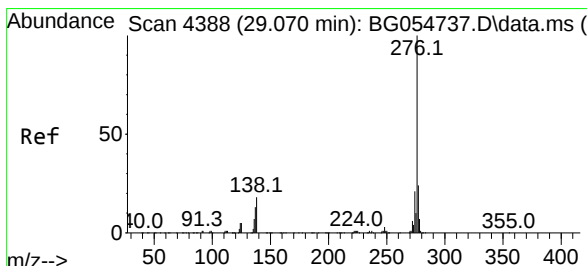
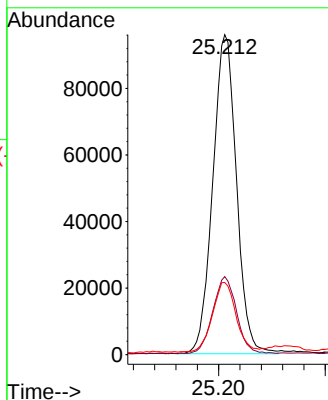
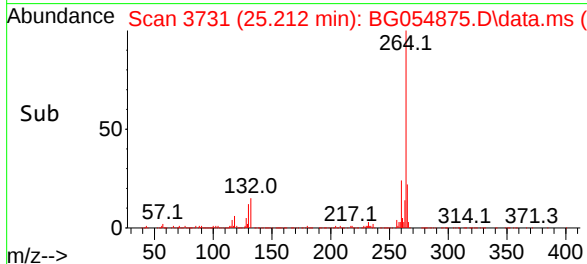


Tgt Ion:264 Resp: 29517
Ion Ratio Lower Upper
264 100
260 24.4 19.9 29.9
265 22.5 16.9 25.3

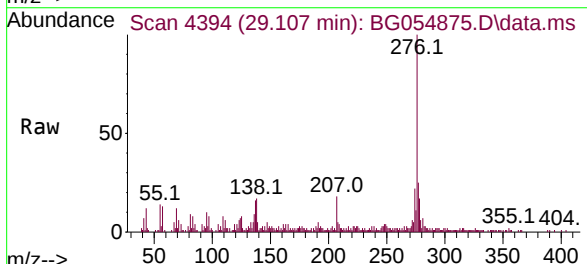
Manual Integrations

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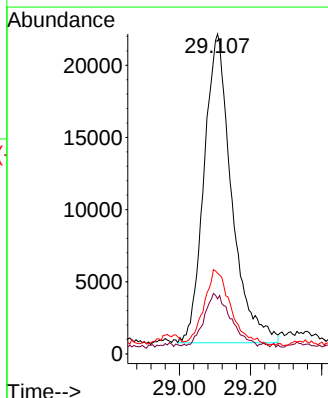
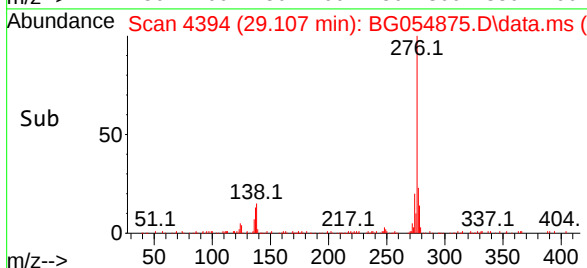
Reviewed By :Christian Giraldo 09/08/2022
Supervised By :Jagrut Upadhyay 09/08/2022

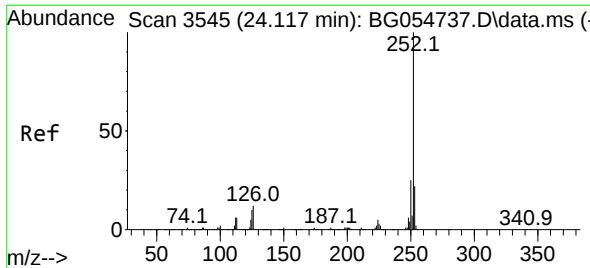


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.148 ng
RT: 29.107 min Scan# 4394
Delta R.T. 0.037 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16



Tgt Ion:276 Resp: 115356
Ion Ratio Lower Upper
276 100
138 16.5 12.0 18.0
277 23.9 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 12.635 ng
RT: 24.130 min Scan# 3545
Delta R.T. 0.013 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

Instrument :

BNA_G

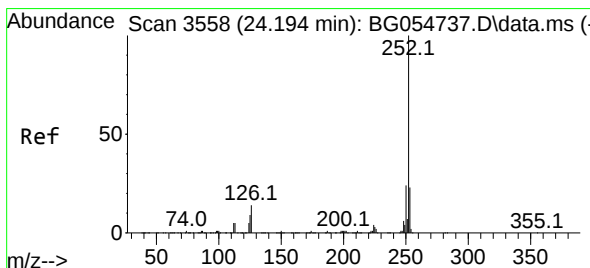
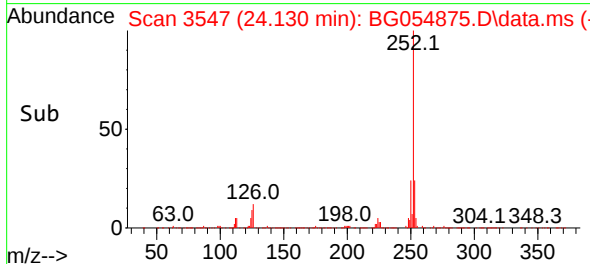
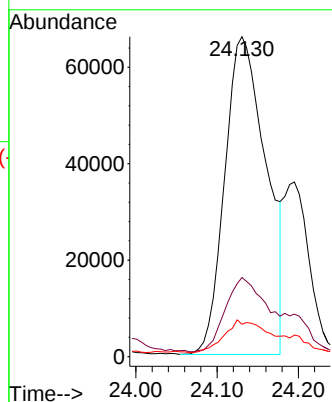
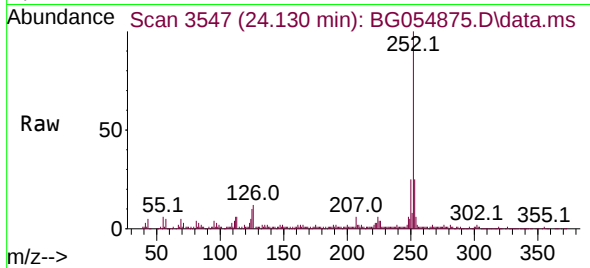
ClientSampleId :

SU-04-090622

Tgt Ion:252 Resp: 233962
Ion Ratio Lower Upper
252 100
253 24.7 18.0 27.0
125 10.1 8.1 12.1

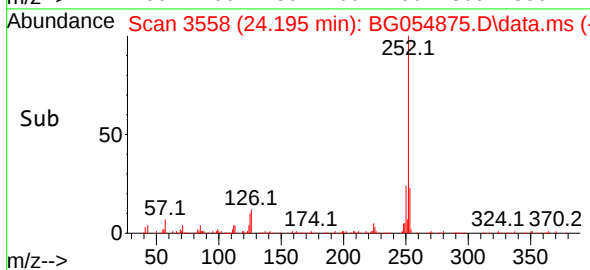
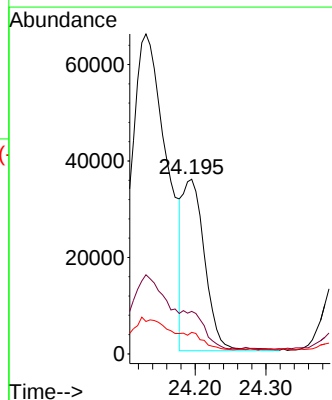
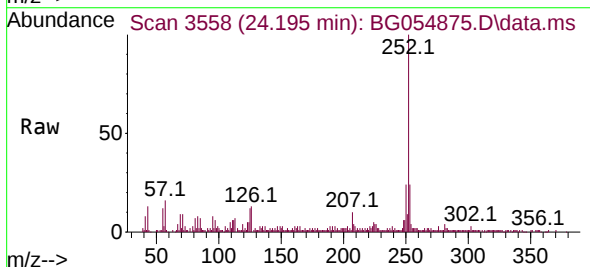
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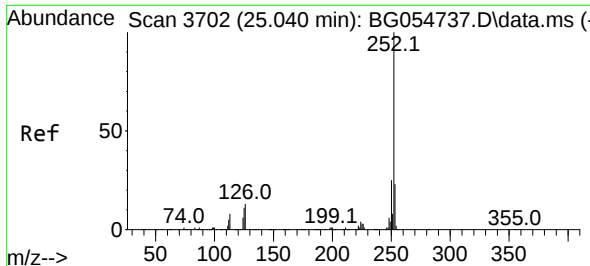
Reviewed By :Christian Giraldo 09/08/2022
Supervised By :Jagrut Upadhyay 09/08/2022



#89
Benzo(k)fluoranthene
Concen: 4.133 ng m
RT: 24.195 min Scan# 3558
Delta R.T. 0.002 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

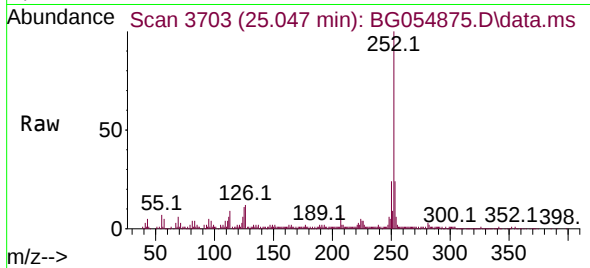
Tgt Ion:252 Resp: 77022
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 12.3 8.2 12.4





#90
Benzo(a)pyrene
Concen: 11.432 ng
RT: 25.047 min Scan# 31
Delta R.T. 0.007 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

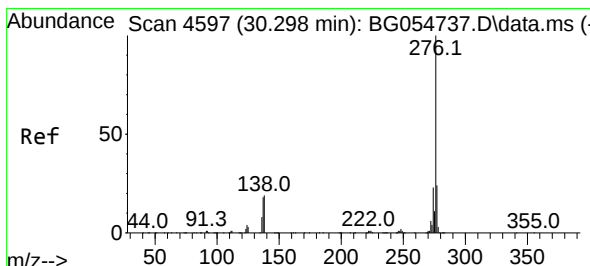
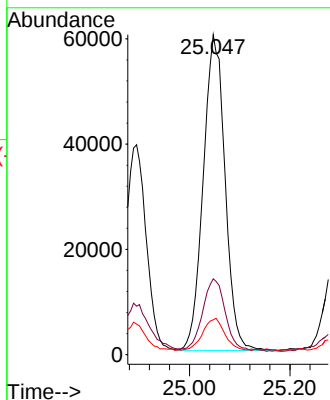
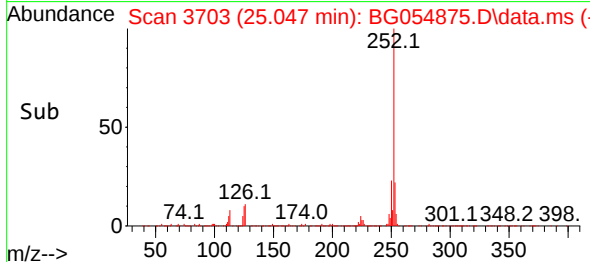
Instrument :
BNA_G
ClientSampleId :
SU-04-090622



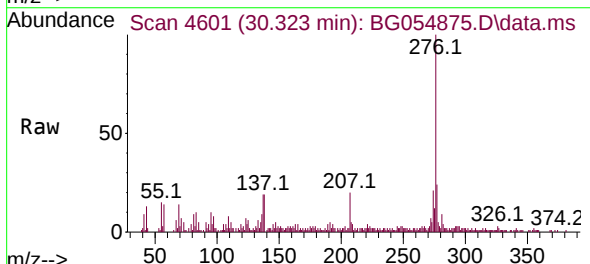
Tgt Ion:252 Resp: 180858
Ion Ratio Lower Upper
252 100
253 23.7 18.3 27.5
125 10.9 8.8 13.2

Manual Integrations
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Reviewed By :Christian Giraldo 09/08/2022
Supervised By :Jagrut Upadhyay 09/08/2022



#92
Benzo(g,h,i)perylene
Concen: 6.254 ng
RT: 30.323 min Scan# 4601
Delta R.T. 0.025 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16



Tgt Ion:276 Resp: 115352
Ion Ratio Lower Upper
276 100
277 23.6 19.4 29.0
138 18.6 16.6 25.0

