

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
 Data File : BG053047.D
 Acq On : 6 Apr 2022 1:02
 Operator : CG/JU
 Sample : N2257-09 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-5

Quant Time: Apr 06 04:16:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 14:24:42 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/06/2022
 Supervised By : Jagrut Upadhyay 04/06/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							04/06/2022
1) 1,4-Dichlorobenzene-d4	8.135	152	48284	20.000	ng	-0.01	Supervised By : Jagrut Upadhyay
21) Naphthalene-d8	10.943	136	191447	20.000	ng	#-0.02	
39) Acenaphthene-d10	14.749	164	131713	20.000	ng	-0.02	
64) Phenanthrene-d10	17.493	188	268957	20.000	ng	#-0.01	
76) Chrysene-d12	21.775	240	229263	20.000	ng	-0.02	
86) Perylene-d12	25.088	264	242059	20.000	ng	-0.02	04/06/2022
System Monitoring Compounds							
5) 2-Fluorophenol	5.691	112	53026	19.125	ng	0.00	
7) Phenol-d6	7.283	99	76098	18.206	ng	0.00	
23) Nitrobenzene-d5	9.286	82	58928	15.449	ng	-0.02	
42) 2,4,6-Tribromophenol	16.230	330	32274	18.235	ng	-0.02	
45) 2-Fluorobiphenyl	13.375	172	119062	13.332	ng	-0.02	
79) Terphenyl-d14	20.089	244	149518	11.601	ng	-0.02	
Target Compounds							Qvalue
71) Phenanthrene	17.534	178	213394	14.831	ng		98
72) Anthracene	17.622	178	83842	5.894	ng		98
73) Carbazole	17.892	167	30926	2.195	ng		95
75) Fluoranthene	19.543	202	393970	21.570	ng		99
78) Pyrene	19.901	202	420715	26.455	ng		99
81) Benzo(a)anthracene	21.758	228	341843	22.267	ng		97
83) Chrysene	21.828	228	289827	20.082	ng		97
87) Indeno(1,2,3-cd)pyrene	28.872	276	248017	14.969	ng	#	56
88) Benzo(b)fluoranthene	24.043	252	444360	29.566	ng		99
89) Benzo(k)fluoranthene	24.102	252	160121m	10.828	ng		
90) Benzo(a)pyrene	24.930	252	406572	31.958	ng		98
91) Dibenzo(a,h)anthracene	28.913	278	70148	5.138	ng	#	85
92) Benzo(g,h,i)perylene	30.052	276	223836	16.571	ng		99

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

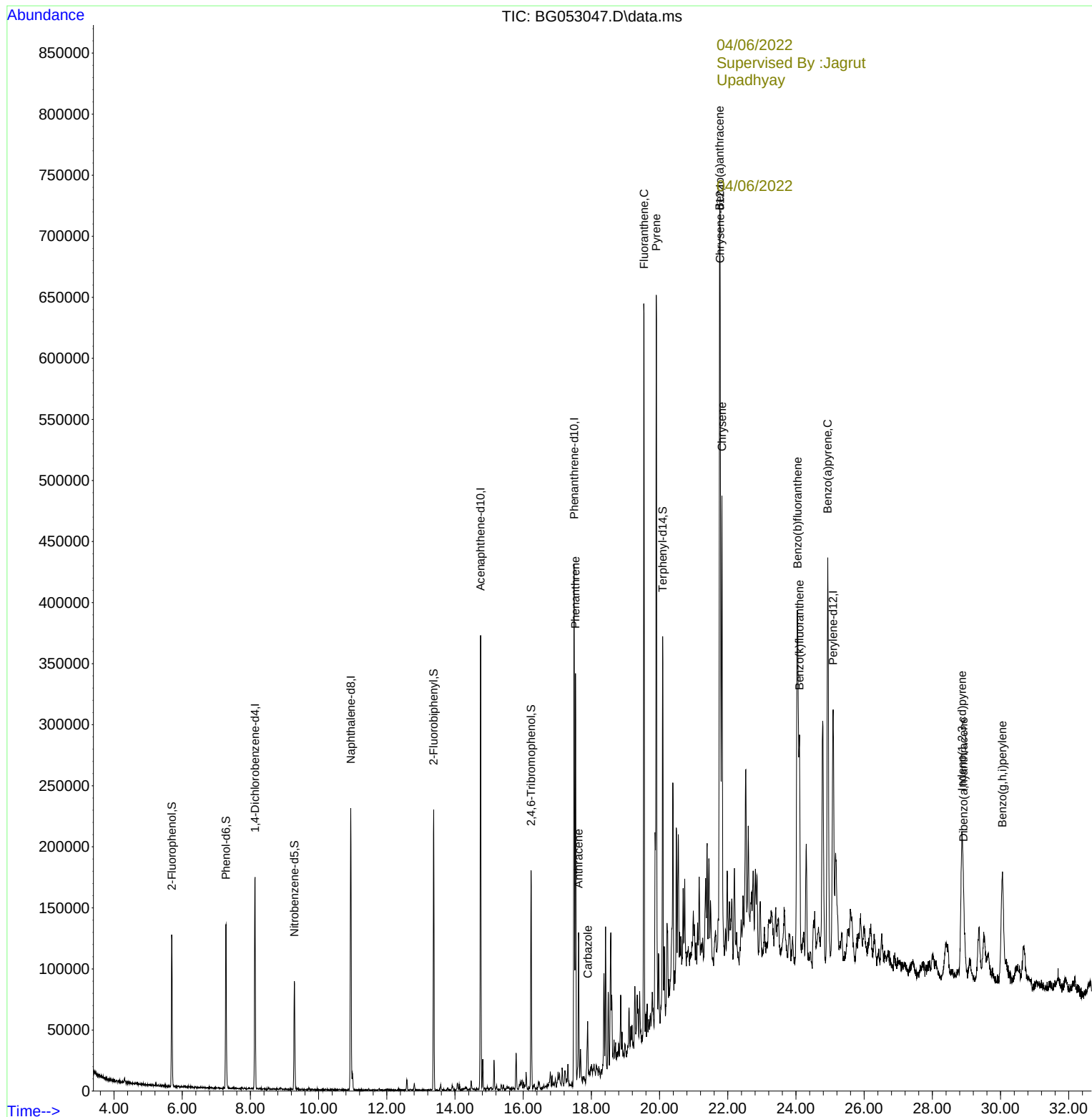
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ALS Vial : 15 Sample Multiplier: 1

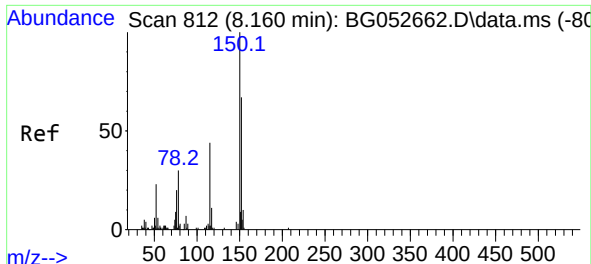
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Quant Time: Apr 06 04:16:20 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
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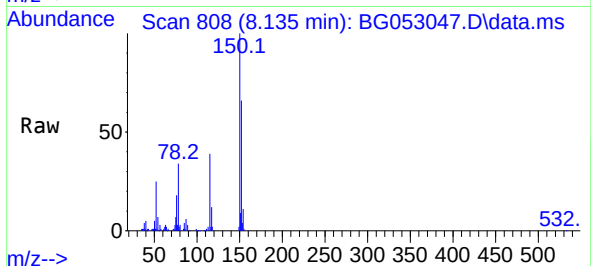
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.135 min Scan# 80
Delta R.T. -0.011 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

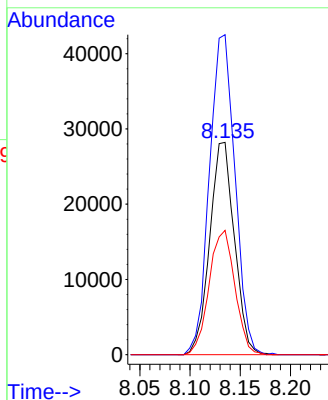
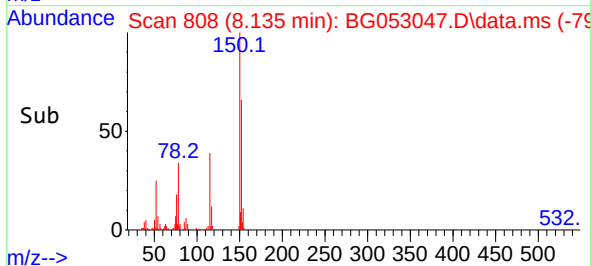
Instrument :
BNA_G
ClientSampleId :
TP-5



Tgt Ion:152 Resp: 48284
Ion Ratio Lower Upper
152 100
150 150.8 114.6 172.0
115 58.6 45.9 68.9

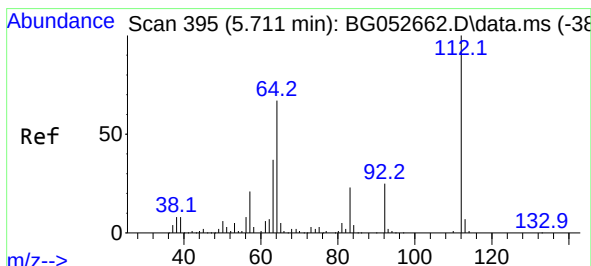
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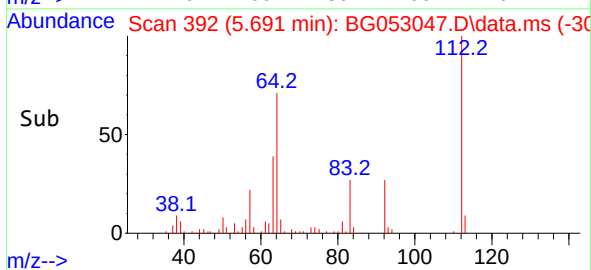
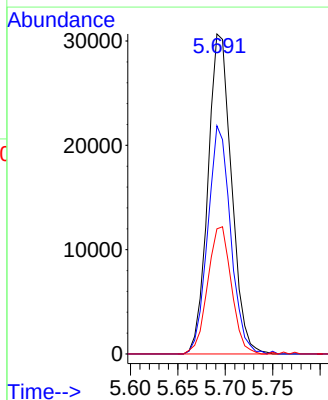
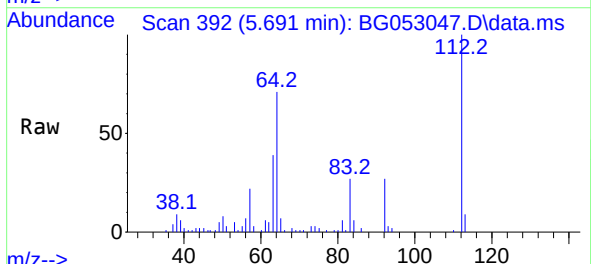
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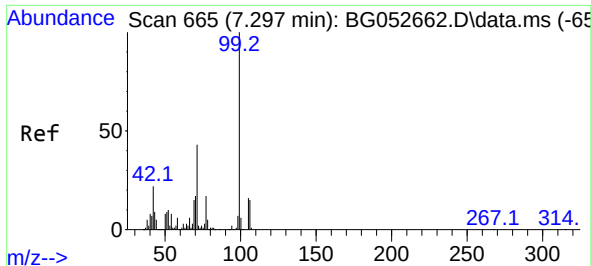
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#5
2-Fluorophenol
Concen: 19.125 ng
RT: 5.691 min Scan# 392
Delta R.T. -0.005 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

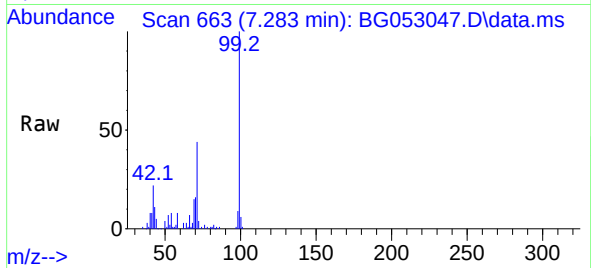
Tgt Ion:112 Resp: 53026
Ion Ratio Lower Upper
112 100
64 71.3 48.0 72.0
63 39.1 26.5 39.7





#7
Phenol-d6
Concen: 18.206 ng
RT: 7.283 min Scan# 60
Delta R.T. -0.005 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

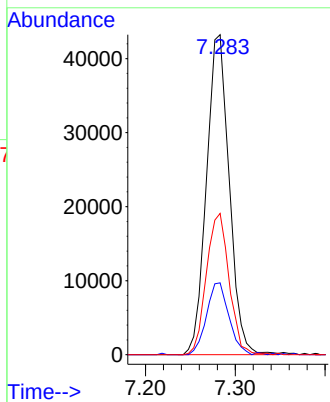
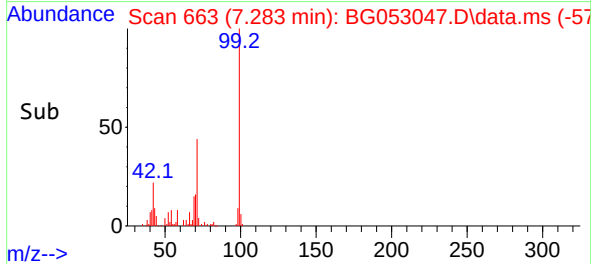
Instrument :
BNA_G
ClientSampleId :
TP-5



Tgt Ion: 99 Resp: 76098
Ion Ratio Lower Upper
99 100
42 22.5 14.7 22.1
71 44.2 29.2 43.8

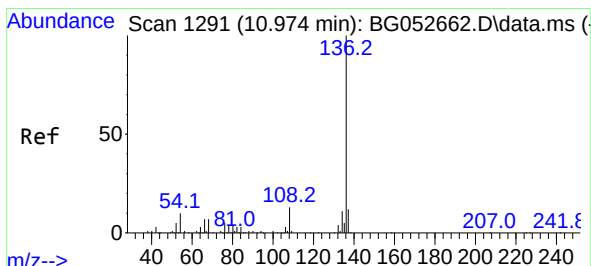
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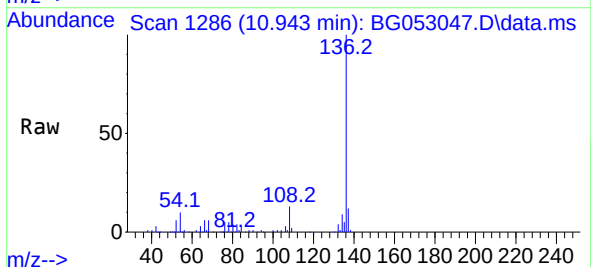


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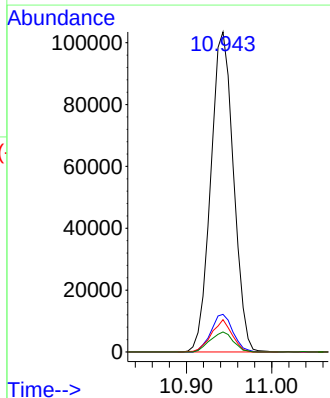
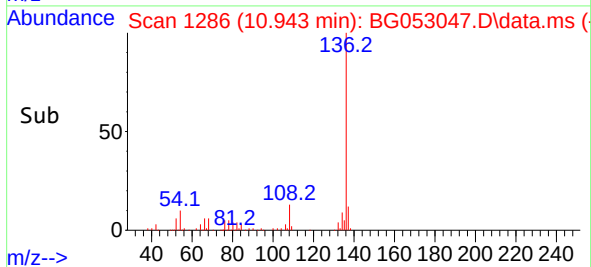
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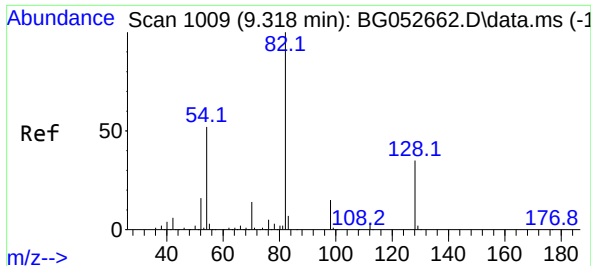


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.943 min Scan# 1286
Delta R.T. -0.017 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02



Tgt Ion:136 Resp: 191447
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.2
54 10.1 6.4 9.6
68 6.3 5.0 7.6





#23
Nitrobenzene-d5
Concen: 15.449 ng
RT: 9.286 min Scan# 1004
Delta R.T. -0.017 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

Instrument :

BNA_G

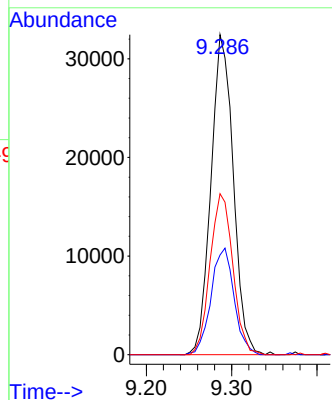
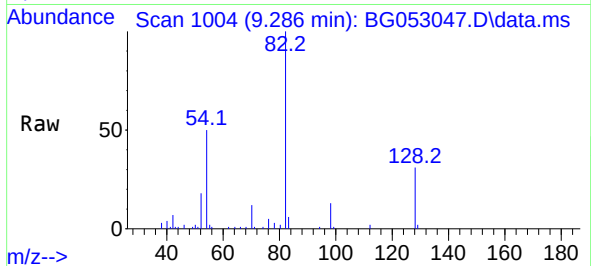
ClientSampleId :

TP-5

Tgt Ion: 82 Resp: 58928
Ion Ratio Lower Upper
82 100
128 31.1 31.3 46.9
54 50.3 37.8 56.8

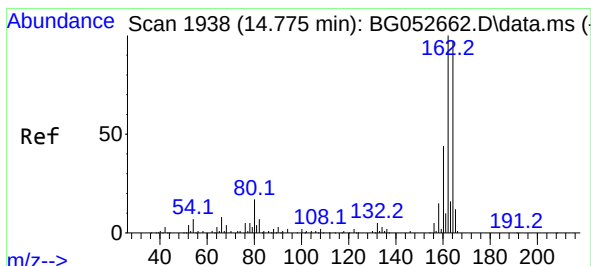
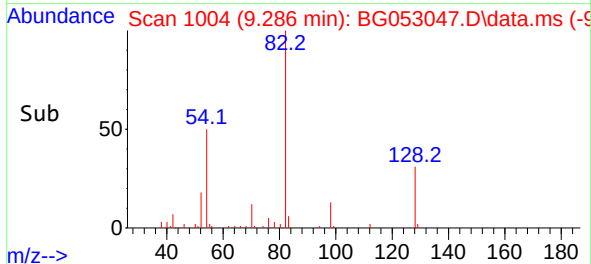
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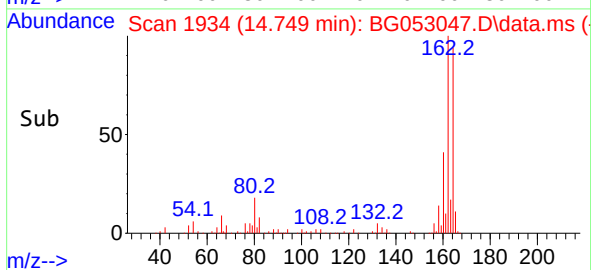
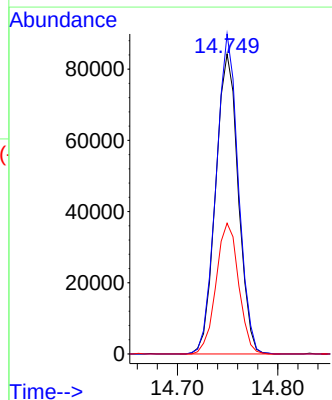
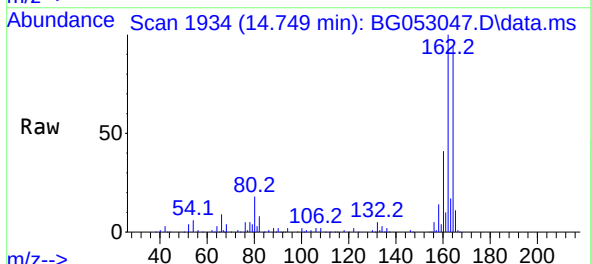
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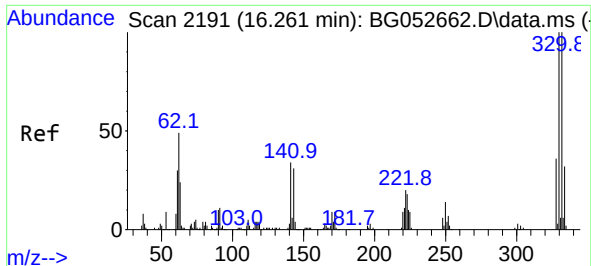
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.749 min Scan# 1934
Delta R.T. -0.017 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

Tgt Ion:164 Resp: 131713
Ion Ratio Lower Upper
164 100
162 106.6 80.0 120.0
160 43.5 38.8 58.2





#42
2,4,6-Tribromophenol
Concen: 18.235 ng
RT: 16.230 min Scan# 2191
Delta R.T. -0.017 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

Instrument :

BNA_G

ClientSampleId :

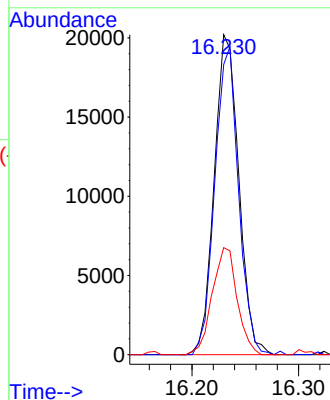
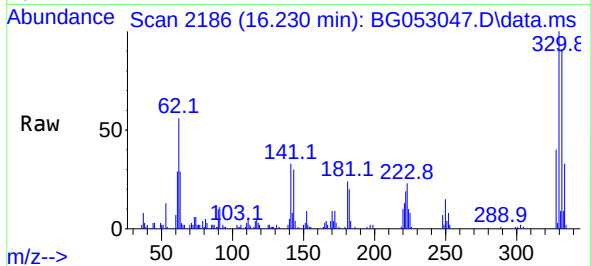
TP-5

Tgt Ion:330 Resp: 32274
Ion Ratio Lower Upper
330 100
332 92.7 75.8 113.6
141 34.0 24.6 36.8

Manual Integrations

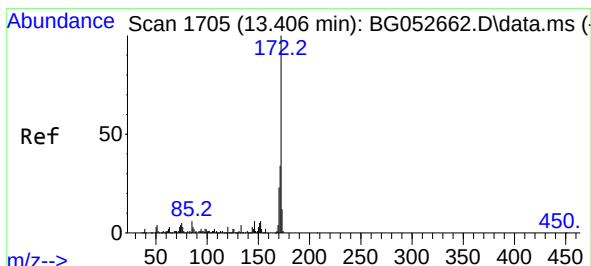
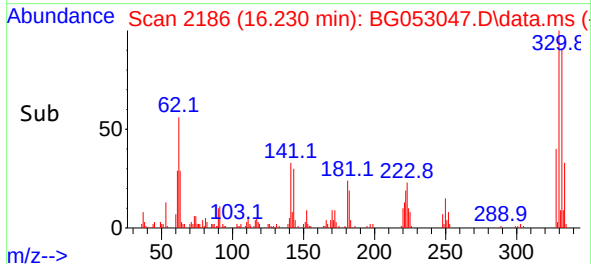
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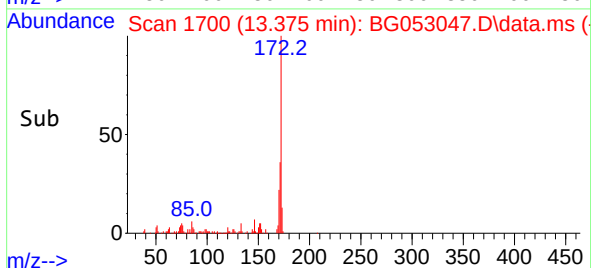
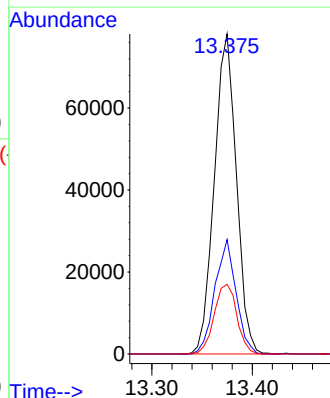
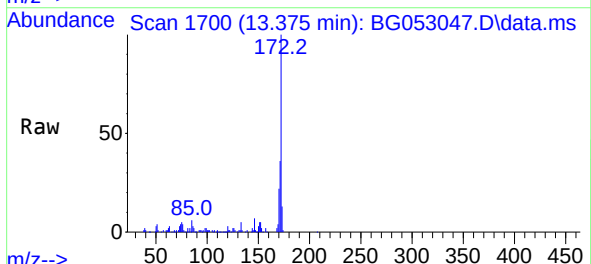
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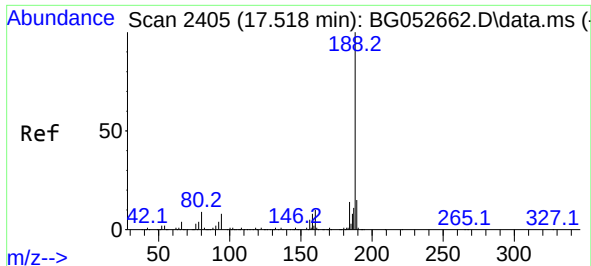
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#45
2-Fluorobiphenyl
Concen: 13.332 ng
RT: 13.375 min Scan# 1700
Delta R.T. -0.017 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

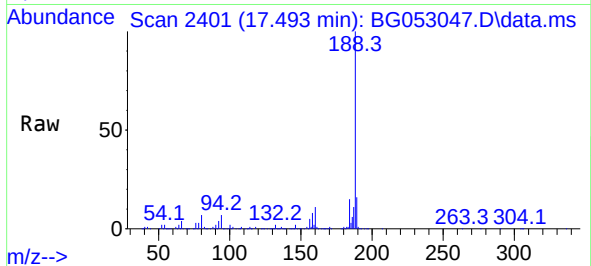
Tgt Ion:172 Resp: 119062
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 21.8 18.0 27.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.493 min Scan# 2405
Delta R.T. -0.011 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

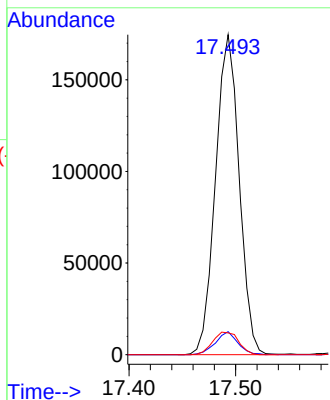
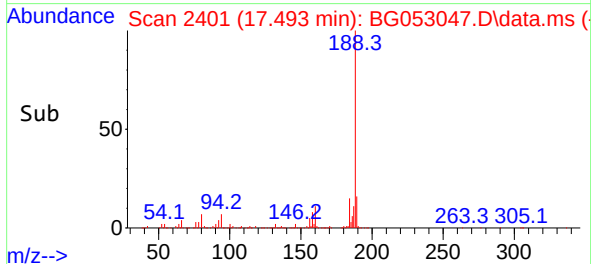
Instrument :
BNA_G
ClientSampleId :
TP-5



Tgt Ion:188 Resp: 26895
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 6.8 7.2 10.8

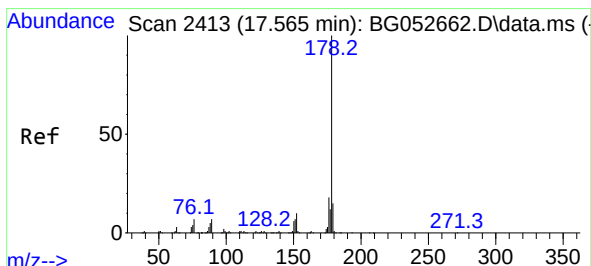
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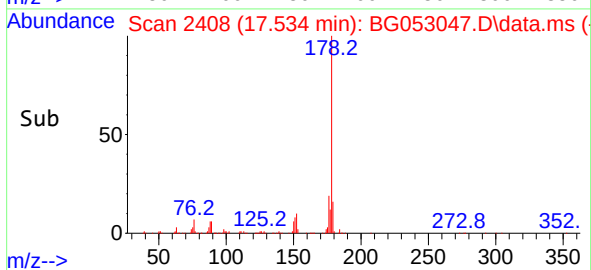
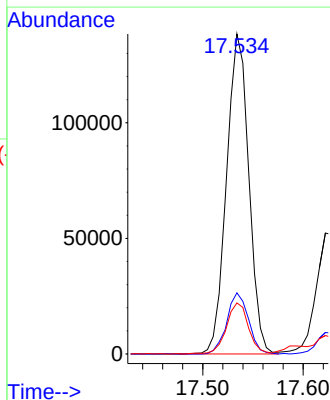
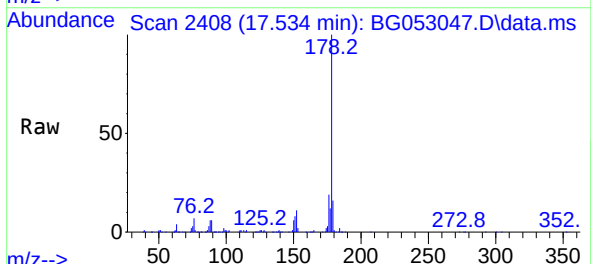
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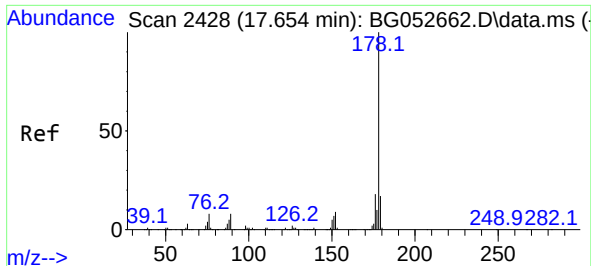
04/06/2022



#71
Phenanthrene
Concen: 14.831 ng
RT: 17.534 min Scan# 2408
Delta R.T. -0.017 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

Tgt Ion:178 Resp: 213394
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.9 13.4 20.2





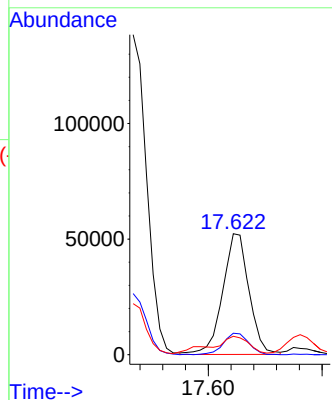
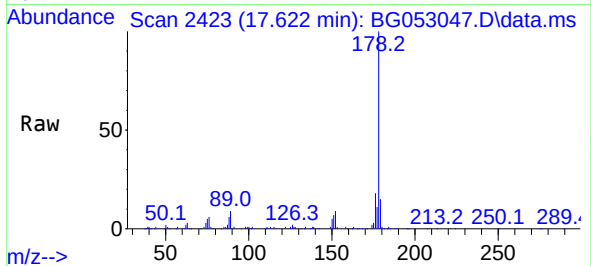
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 Anthracene
 Concen: 5.894 ng
 RT: 17.622 min Scan# 2428
 Delta R.T. -0.017 min
 Lab File: BG053047.D
 Acq: 6 Apr 2022 1:02

Instrument :
 BNA_G
 ClientSampleId :
 TP-5

Tgt Ion:178 Resp: 8384
 Ion Ratio Lower Upper
 178 100
 176 17.7 14.7 22.1
 179 15.2 13.2 19.8

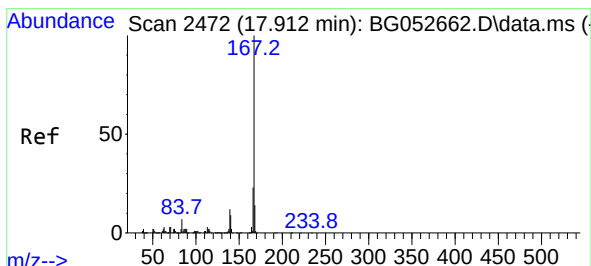
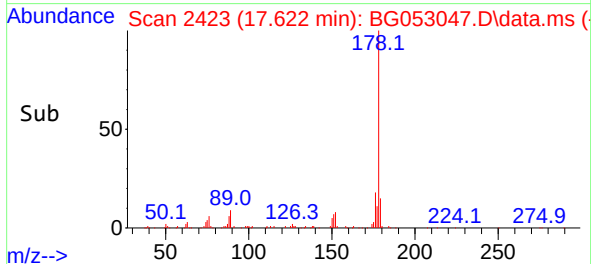
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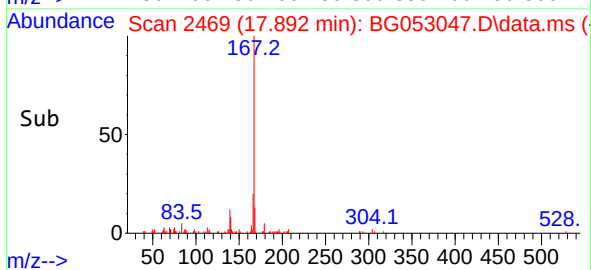
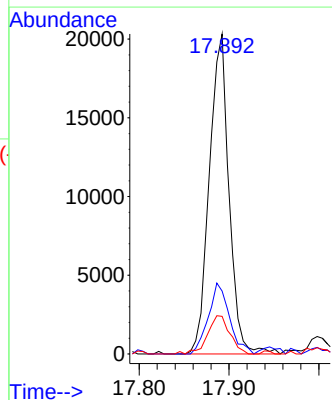
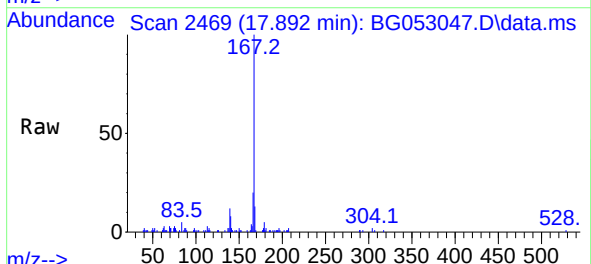
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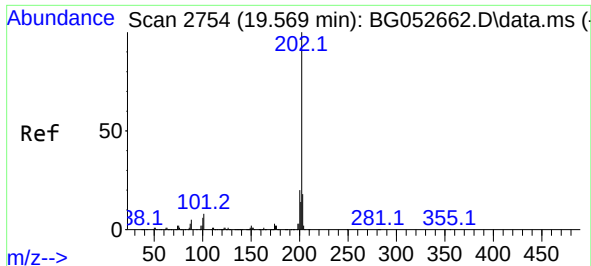
04/06/2022



#73
 Carbazole
 Concen: 2.195 ng
 RT: 17.892 min Scan# 2469
 Delta R.T. -0.011 min
 Lab File: BG053047.D
 Acq: 6 Apr 2022 1:02

Tgt Ion:167 Resp: 30926
 Ion Ratio Lower Upper
 167 100
 166 19.7 18.5 27.7
 139 11.7 10.0 15.0





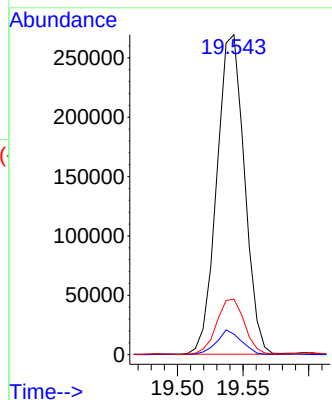
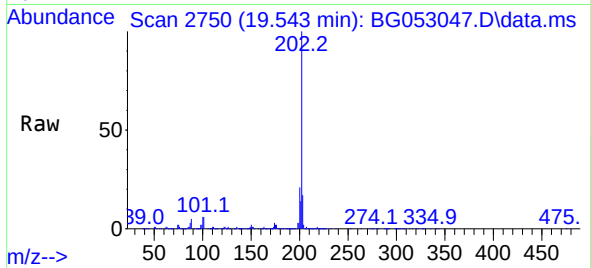
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Fluoranthene
Concen: 21.570 ng
RT: 19.543 min Scan# 21
Delta R.T. -0.011 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

Instrument :
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ClientSampleId :
TP-5

Tgt Ion:202 Resp: 393970
Ion Ratio Lower Upper
202 100
101 6.4 0.0 27.3
203 17.4 0.0 37.7

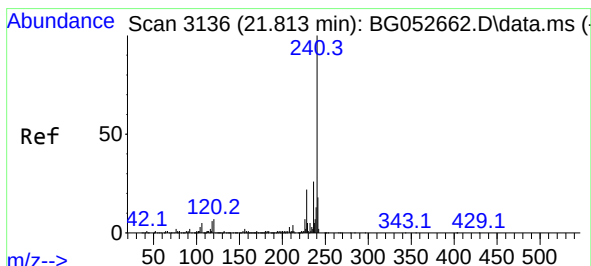
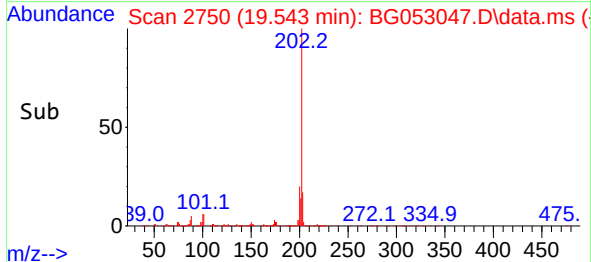
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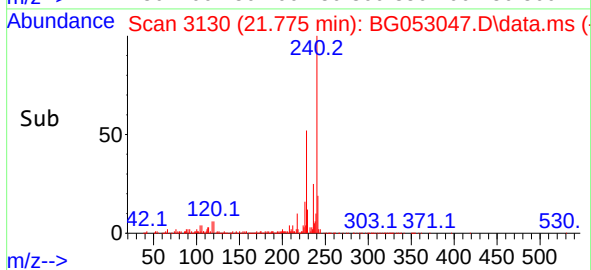
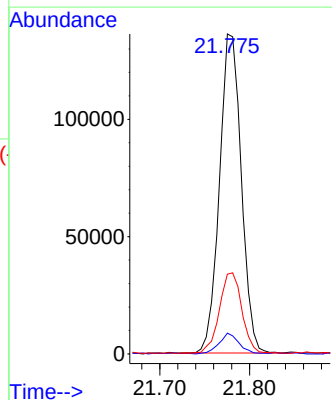
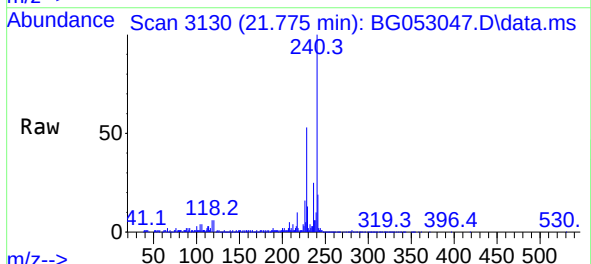
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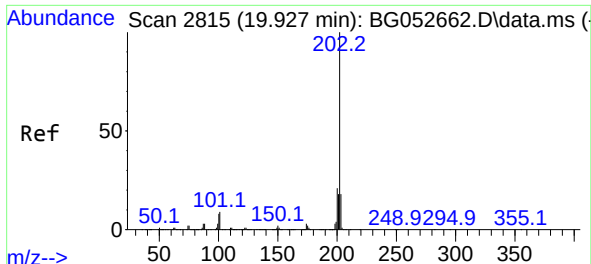
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.775 min Scan# 3130
Delta R.T. -0.023 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

Tgt Ion:240 Resp: 229263
Ion Ratio Lower Upper
240 100
120 6.5 5.4 8.0
236 24.9 19.8 29.6





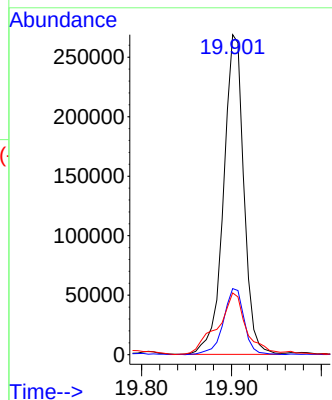
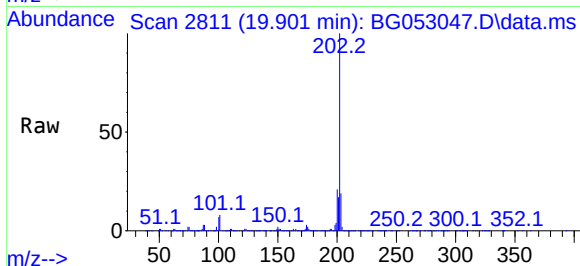
#78
Pyrene
Concen: 26.455 ng
RT: 19.901 min Scan# 2811
Delta R.T. -0.017 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

Instrument :
BNA_G
ClientSampleId :
TP-5

Tgt Ion:202 Resp: 420715
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.6
203 19.3 15.0 22.6

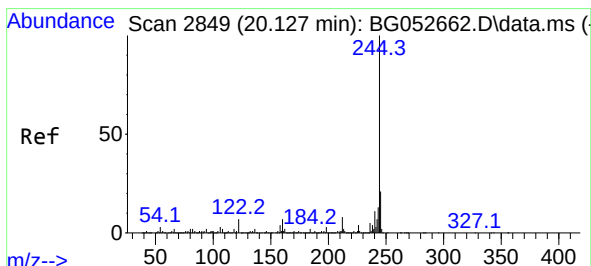
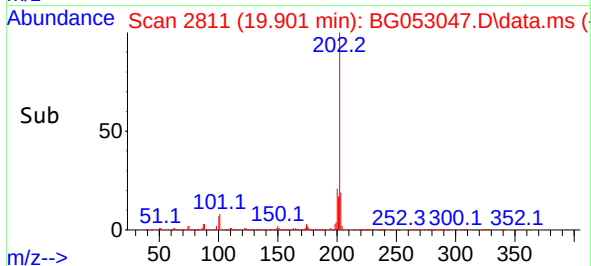
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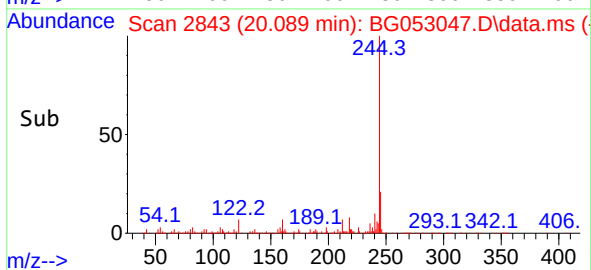
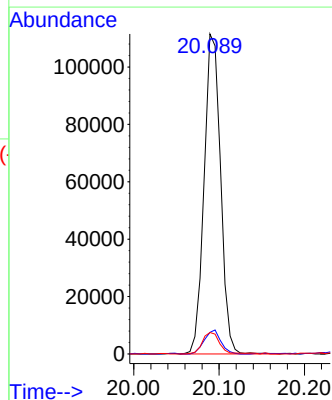
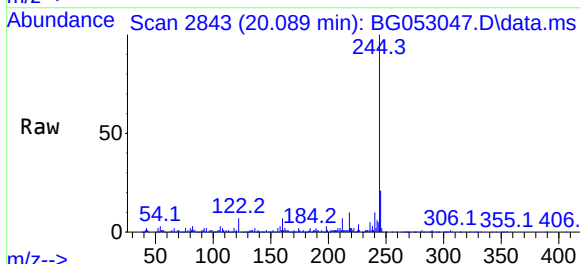
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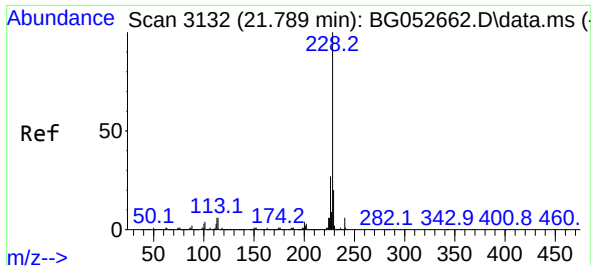
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#79
Terphenyl-d14
Concen: 11.601 ng
RT: 20.089 min Scan# 2843
Delta R.T. -0.023 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

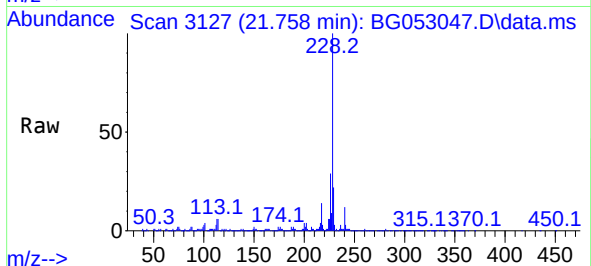
Tgt Ion:244 Resp: 149518
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 6.7 5.8 8.6





#81
Benzo(a)anthracene
Concen: 22.267 ng
RT: 21.758 min Scan# 3112
Delta R.T. -0.017 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

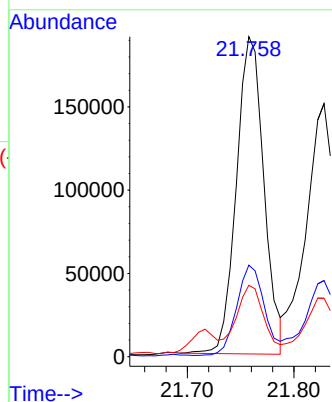
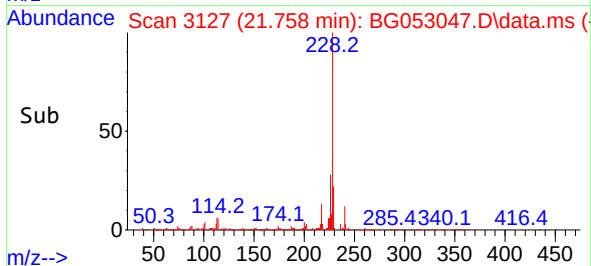
Instrument :
BNA_G
ClientSampleId :
TP-5



Tgt Ion:228 Resp: 34184
Ion Ratio Lower Upper
228 100
226 28.6 21.4 32.0
229 22.3 16.7 25.1

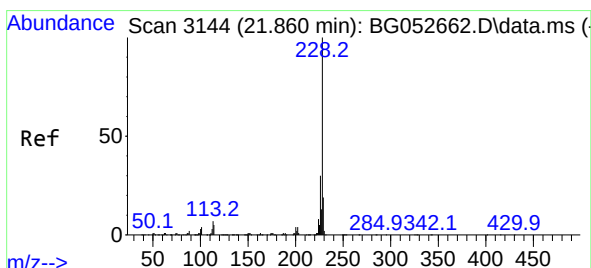
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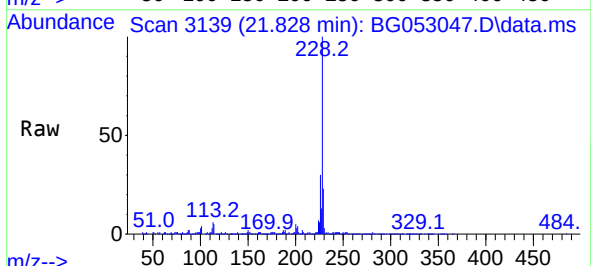


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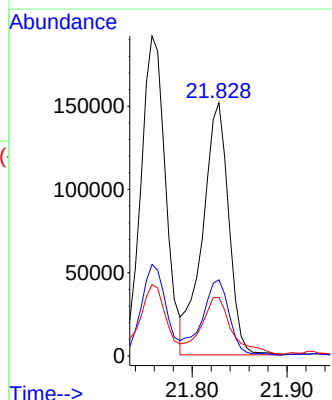
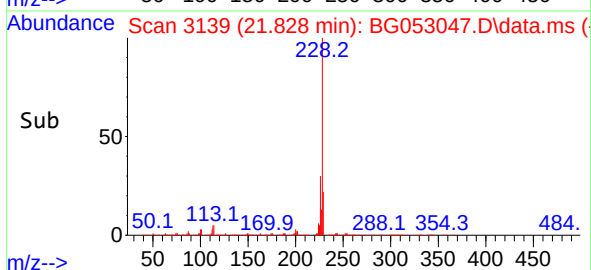
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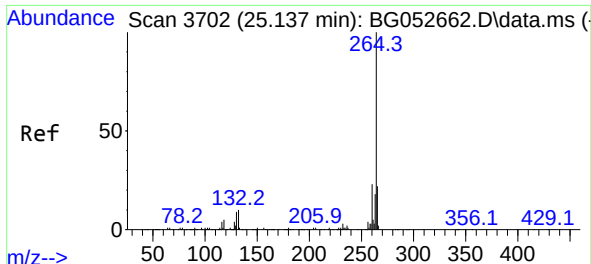


#83
Chrysene
Concen: 20.082 ng
RT: 21.828 min Scan# 3139
Delta R.T. -0.017 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02



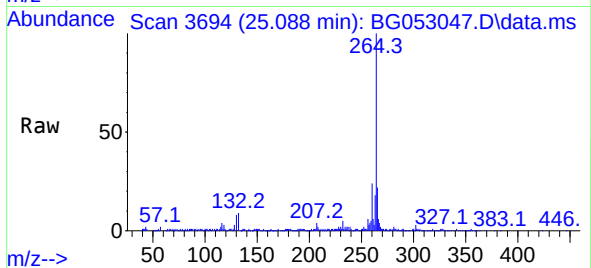
Tgt Ion:228 Resp: 289827
Ion Ratio Lower Upper
228 100
226 30.1 24.2 36.4
229 23.1 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.088 min Scan# 30
Delta R.T. -0.023 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

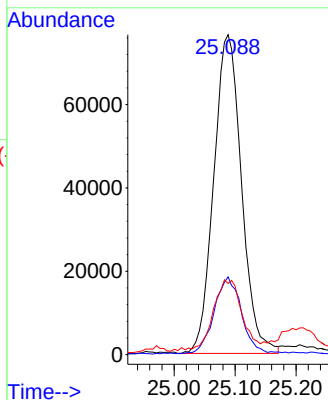
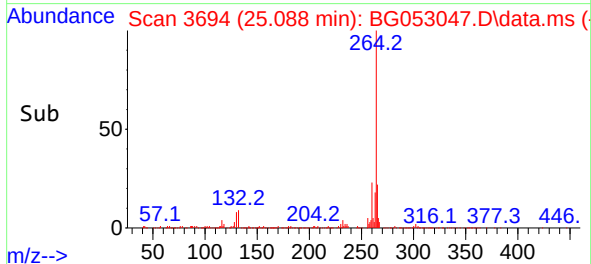
Instrument :
BNA_G
ClientSampleId :
TP-5



Tgt Ion:264 Resp: 242059
Ion Ratio Lower Upper
264 100
260 24.3 18.2 27.2
265 22.3 15.1 22.7

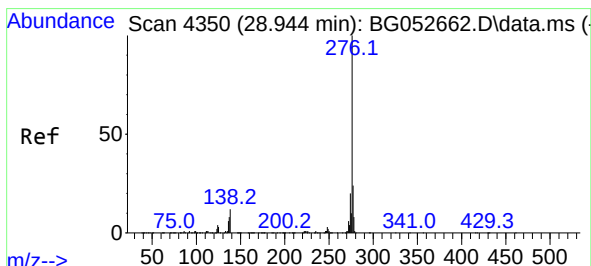
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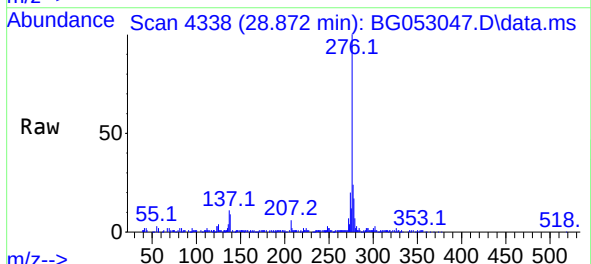


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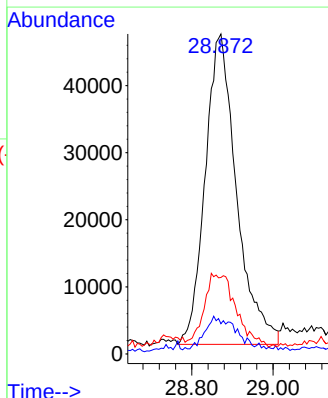
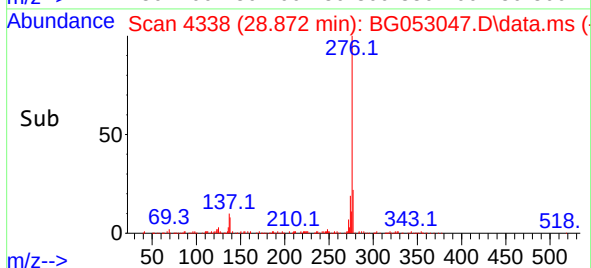
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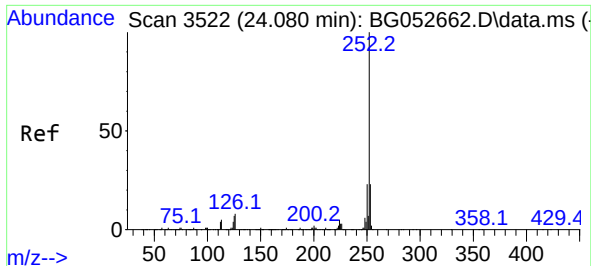


#87
Indeno(1,2,3-cd)pyrene
Concen: 14.969 ng
RT: 28.872 min Scan# 4338
Delta R.T. -0.029 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02



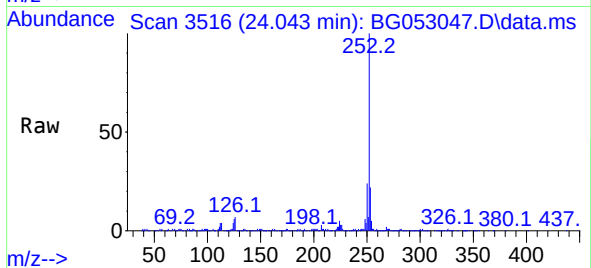
Tgt Ion:276 Resp: 248017
Ion Ratio Lower Upper
276 100
138 0.0 8.7 13.1#
277 0.0 20.2 30.4#





#88
Benzo(b)fluoranthene
Concen: 29.566 ng
RT: 24.043 min Scan# 31
Delta R.T. -0.011 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

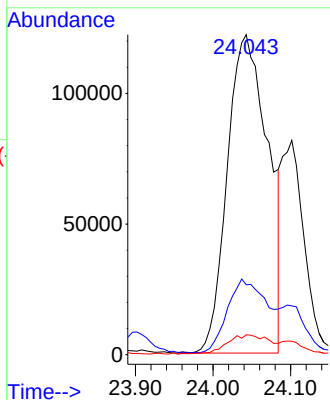
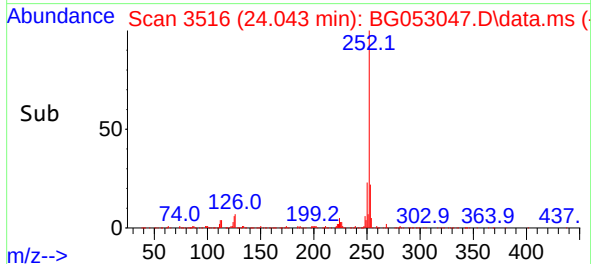
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:252 Resp: 444360
Ion Ratio Lower Upper
252 100
253 21.8 17.2 25.8
125 6.2 5.2 7.8

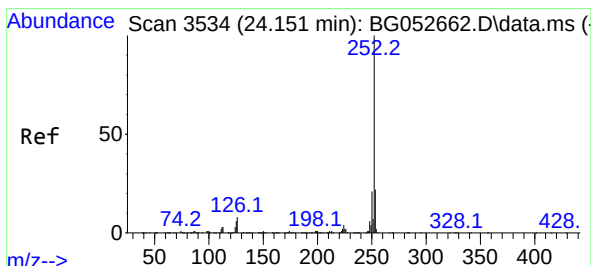
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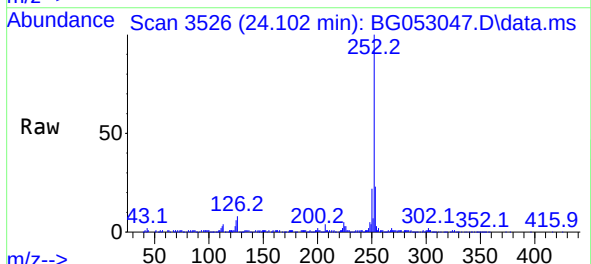


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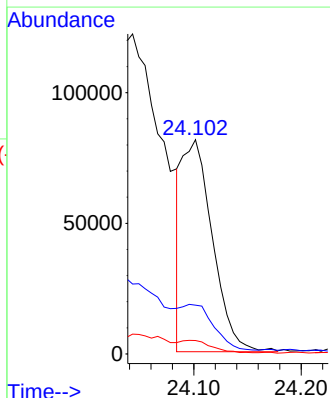
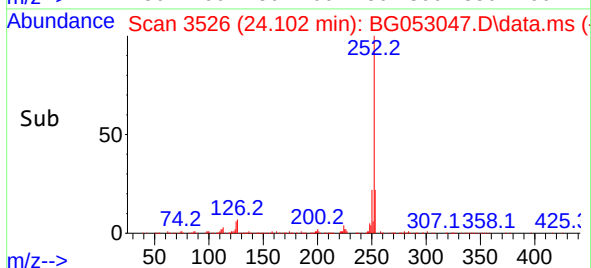
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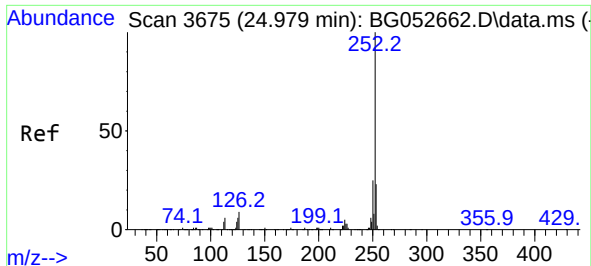


#89
Benzo(k)fluoranthene
Concen: 10.828 ng m
RT: 24.102 min Scan# 3526
Delta R.T. -0.029 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02



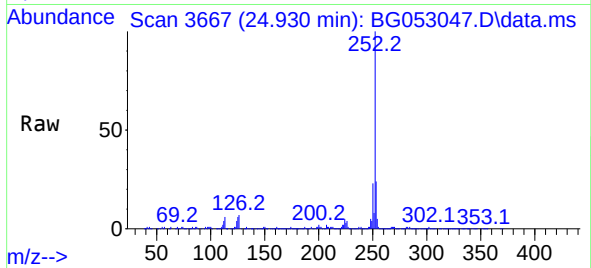
Tgt Ion:252 Resp: 160121
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 6.2 5.0 7.4





#90
Benzo(a)pyrene
Concen: 31.958 ng
RT: 24.930 min Scan# 3
Delta R.T. -0.023 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

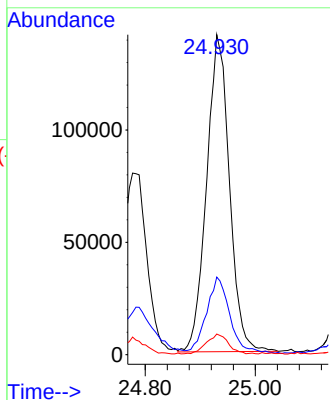
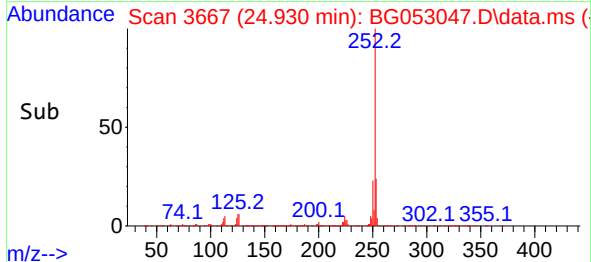
Instrument :
BNA_G
ClientSampleId :
TP-5



Tgt Ion:252 Resp: 406572
Ion Ratio Lower Upper
252 100
253 24.3 18.4 27.6
125 6.5 5.6 8.4

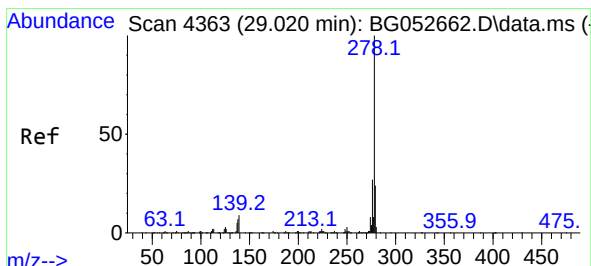
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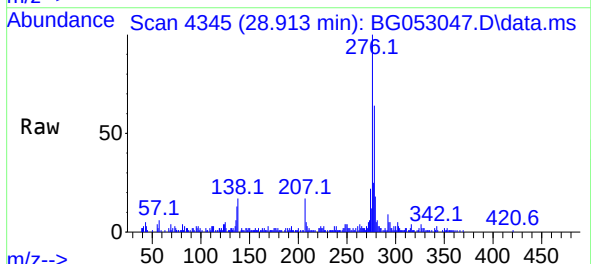


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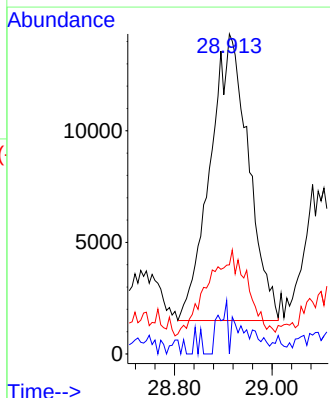
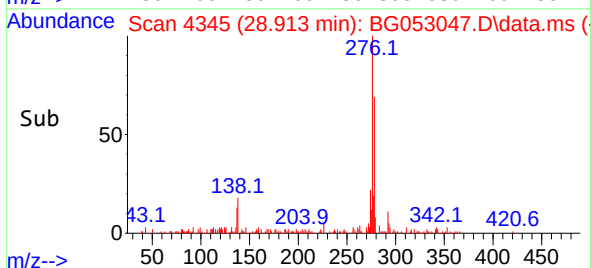
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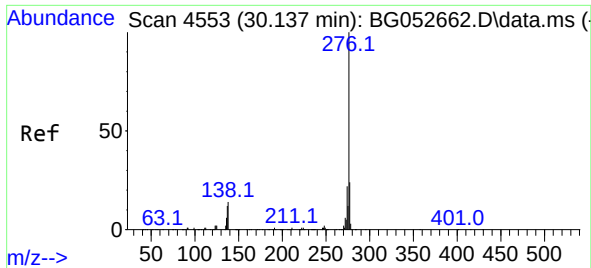


#91
Dibenzo(a,h)anthracene
Concen: 5.138 ng
RT: 28.913 min Scan# 4345
Delta R.T. -0.058 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02



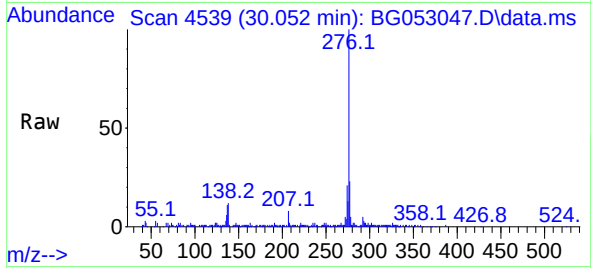
Tgt Ion:278 Resp: 70148
Ion Ratio Lower Upper
278 100
139 0.0 7.8 11.6#
279 27.8 18.5 27.7#





#92
 Benzo(g,h,i)perylene
 Concen: 16.571 ng
 RT: 30.052 min Scan# 4539
 Delta R.T. -0.041 min
 Lab File: BG053047.D
 Acq: 6 Apr 2022 1:02

Instrument :
 BNA_G
 ClientSampleId :
 TP-5

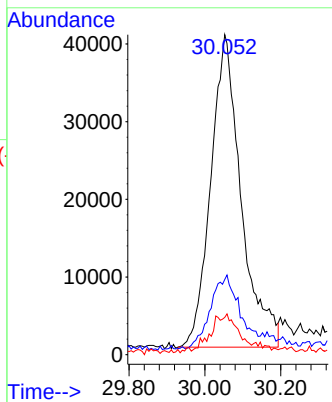
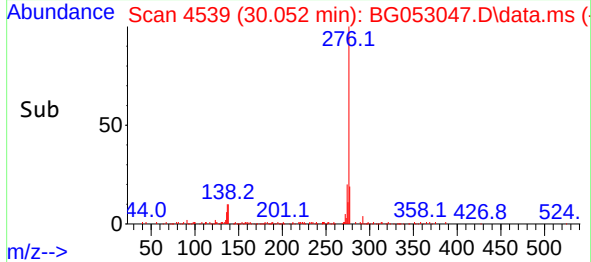


Tgt Ion: 276 Resp: 223830

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.2	27.2
138	11.7	9.1	13.7

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