

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041322\
 Data File : BG053148.D
 Acq On : 13 Apr 2022 21:20
 Operator : CG/JU
 Sample : N2380-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-02-041222

Quant Time: Apr 14 02:58:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 15:31:24 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/14/2022
 Supervised By : Jagrut Upadhyay 04/14/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.124	152	50467	20.000	ng	0.00
21) Naphthalene-d8	10.932	136	197061	20.000	ng	0.00
39) Acenaphthene-d10	14.745	164	127064	20.000	ng	0.00
64) Phenanthrene-d10	17.488	188	243281	20.000	ng	0.00
76) Chrysene-d12	21.771	240	224616	20.000	ng	0.00
86) Perylene-d12	25.078	264	242699	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	50680	17.214	ng	0.00
7) Phenol-d6	7.279	99	73611	16.214	ng	0.00
23) Nitrobenzene-d5	9.282	82	52369	10.790	ng	0.00
42) 2,4,6-Tribromophenol	16.225	330	30832	15.252	ng	0.00
45) 2-Fluorobiphenyl	13.364	172	116197	12.610	ng	0.00
79) Terphenyl-d14	20.085	244	153384	11.533	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.985	128	26074	2.480	ng	# 94
38) 1-Methylnaphthalene	12.795	142	21463	2.826	ng	# 95
52) Acenaphthene	14.810	154	45436	5.863	ng	97
55) Dibenzofuran	15.139	168	48132	3.966	ng	96
58) Fluorene	15.785	166	79012	8.062	ng	98
71) Phenanthrene	17.529	178	515171	38.768	ng	99
72) Anthracene	17.618	178	124830	9.482	ng	98
73) Carbazole	17.888	167	46292	3.617	ng	97
75) Fluoranthene	19.538	202	645868	37.917	ng	99
78) Pyrene	19.897	202	581374	36.342	ng	98
81) Benzo(a)anthracene	21.753	228	251084	16.349	ng	96
83) Chrysene	21.818	228	232537	16.315	ng	97
87) Indeno(1,2,3-cd)pyrene	28.855	276	107618	5.968	ng	# 92
88) Benzo(b)fluoranthene	24.032	252	266827	17.425	ng	93
89) Benzo(k)fluoranthene	24.085	252	94263m	6.263	ng	
90) Benzo(a)pyrene	24.925	252	206527	15.832	ng	99
92) Benzo(g,h,i)perylene	30.042	276	100726	6.886	ng	98

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

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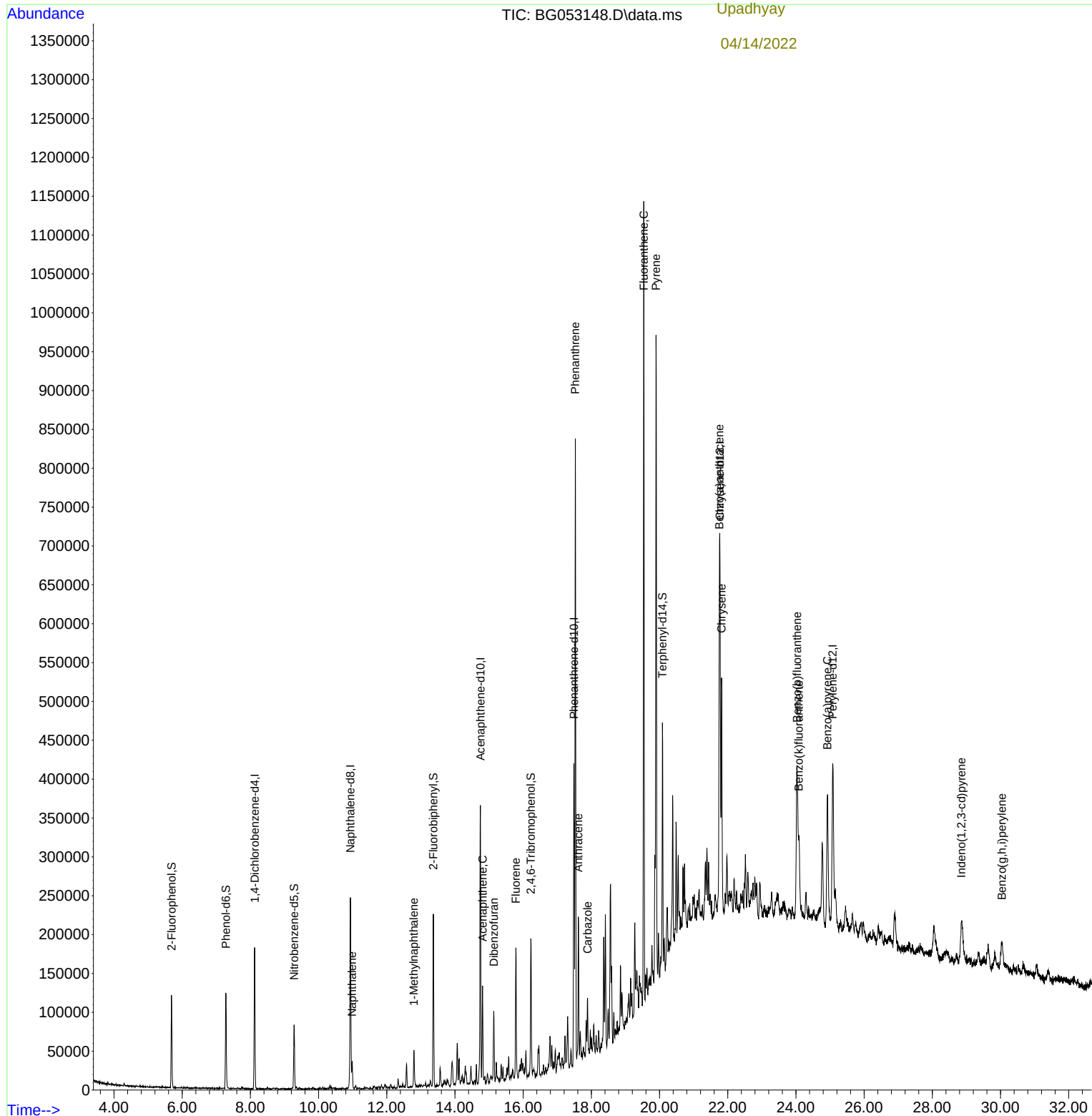
Quant Time: Apr 14 02:58:16 2022
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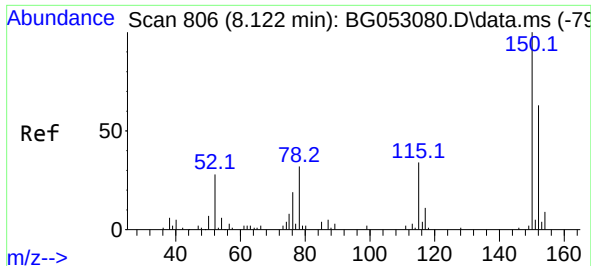
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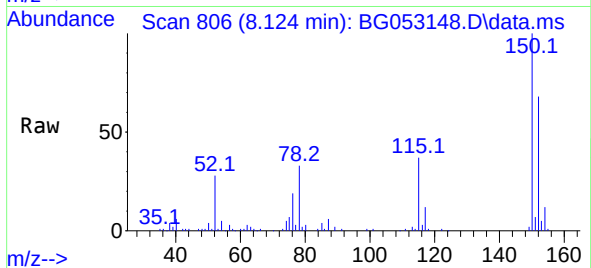
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.124 min Scan# 806
Delta R.T. 0.002 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Instrument :

BNA_G

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Tgt Ion:152 Resp: 5046
Ion Ratio Lower Upper
152 100
150 146.0 114.6 172.0
115 53.6 45.9 68.9

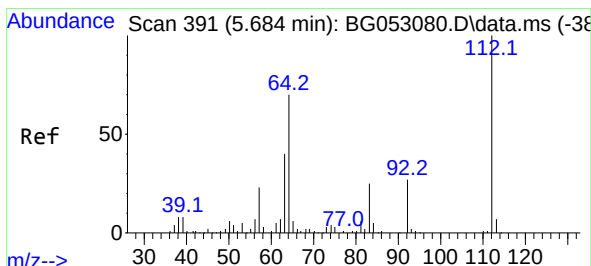
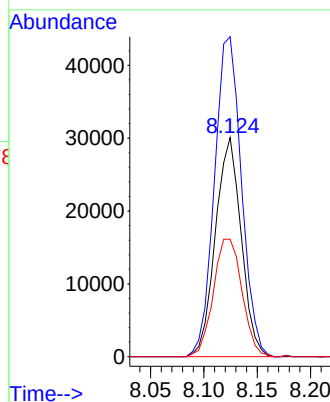
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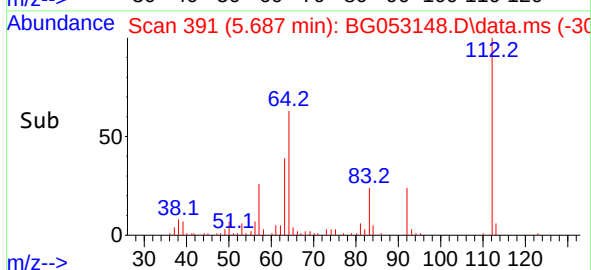
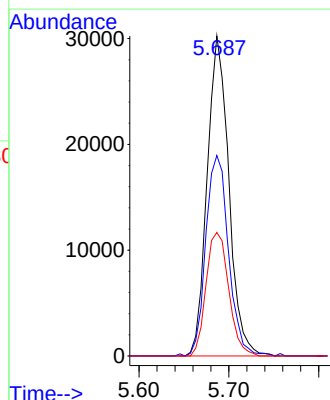
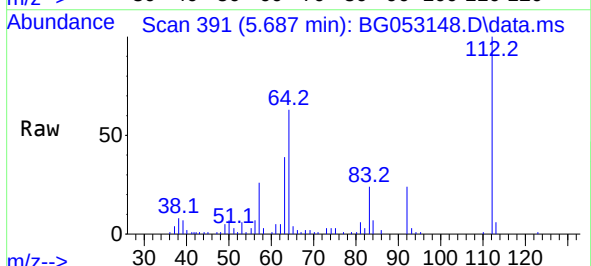
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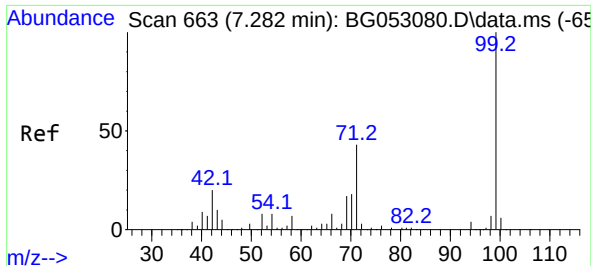
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#5
2-Fluorophenol
Concen: 17.214 ng
RT: 5.687 min Scan# 391
Delta R.T. 0.003 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Tgt Ion:112 Resp: 50680
Ion Ratio Lower Upper
112 100
64 62.6 48.0 72.0
63 38.6 26.5 39.7





#7
Phenol-d6
Concen: 16.214 ng
RT: 7.279 min Scan# 60
Delta R.T. -0.003 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Instrument :
BNA_G
ClientSampleId :
OK-02-041222

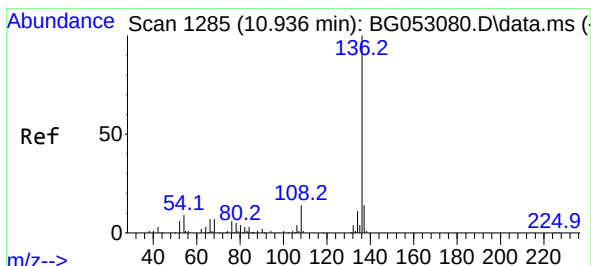
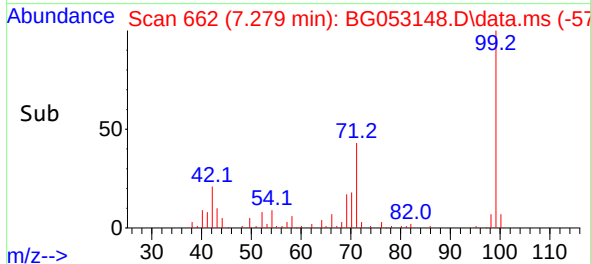
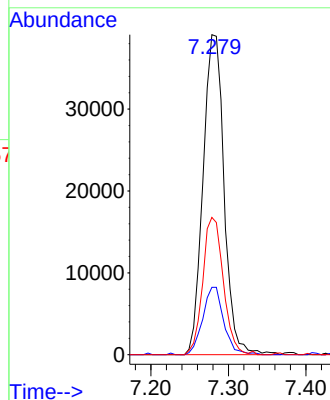
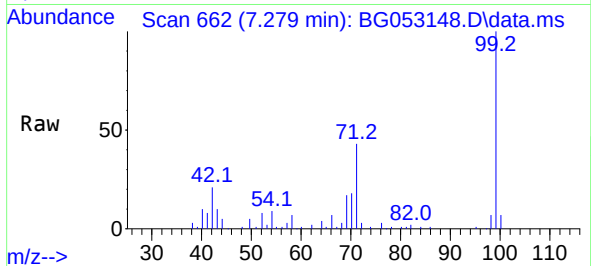
Tgt Ion: 99 Resp: 7361
Ion Ratio Lower Upper
99 100
42 21.0 14.7 22.1
71 42.9 29.2 43.8

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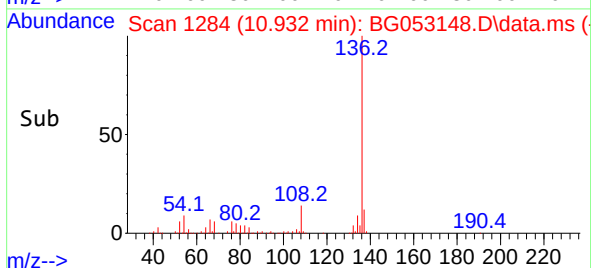
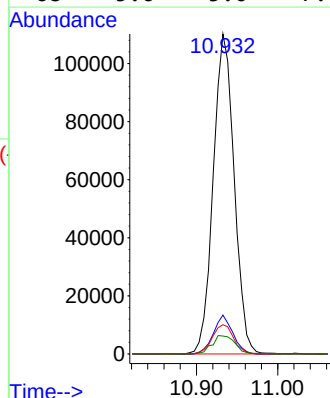
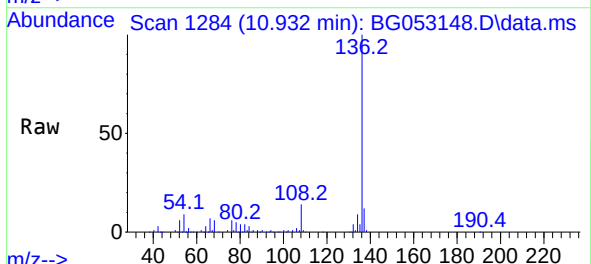
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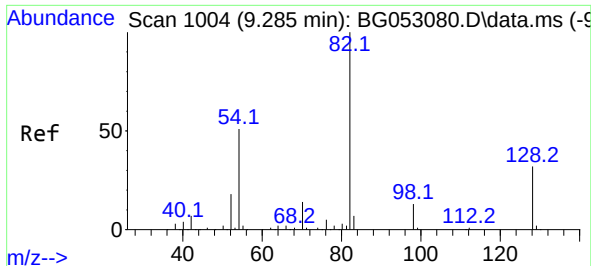
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.932 min Scan# 1284
Delta R.T. -0.004 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Tgt Ion:136 Resp: 197061
Ion Ratio Lower Upper
136 100
137 12.1 9.4 14.2
54 9.2 6.4 9.6
68 5.6 5.0 7.6





#23
Nitrobenzene-d5
Concen: 10.790 ng
RT: 9.282 min Scan# 1004
Delta R.T. -0.003 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Instrument :

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Tgt Ion: 82 Resp: 52369
Ion Ratio Lower Upper
82 100
128 34.4 31.3 46.9
54 51.1 37.8 56.8

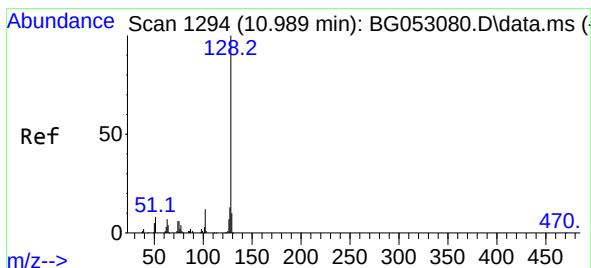
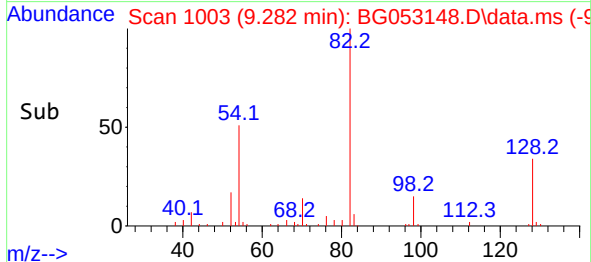
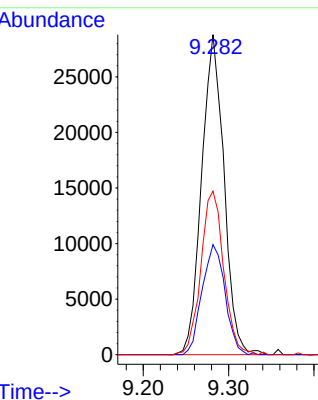
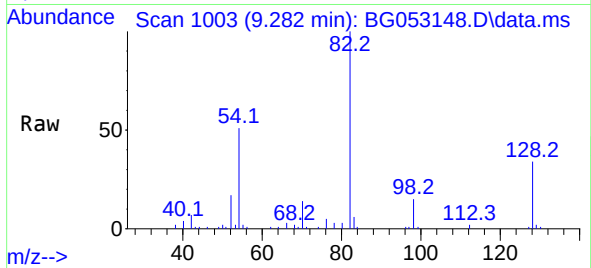
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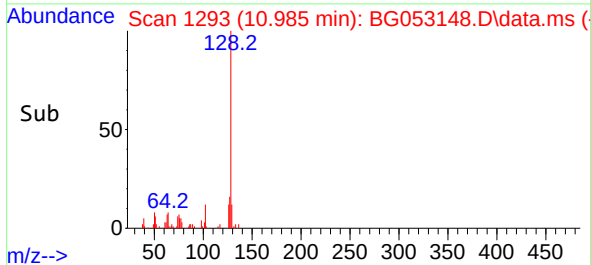
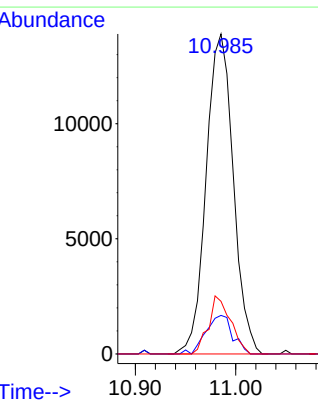
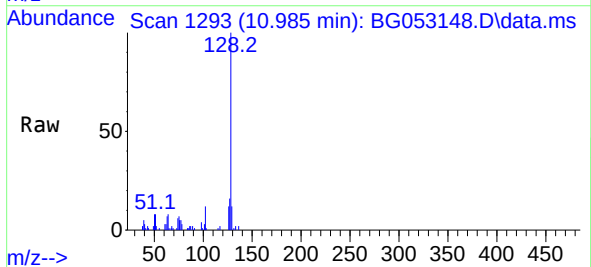
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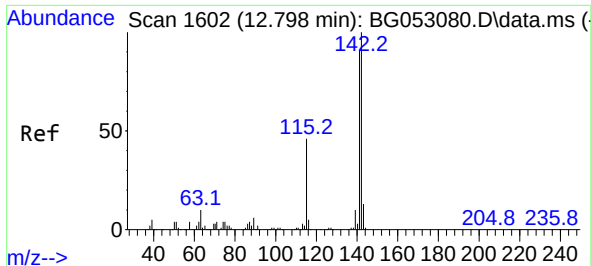
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#31
Naphthalene
Concen: 2.480 ng
RT: 10.985 min Scan# 1293
Delta R.T. -0.003 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

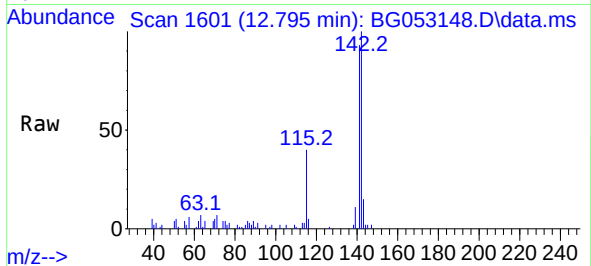
Tgt Ion:128 Resp: 26074
Ion Ratio Lower Upper
128 100
129 12.1 8.8 13.2
127 16.4 10.5 15.7#





#38
1-Methylnaphthalene
Concen: 2.826 ng
RT: 12.795 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Instrument :
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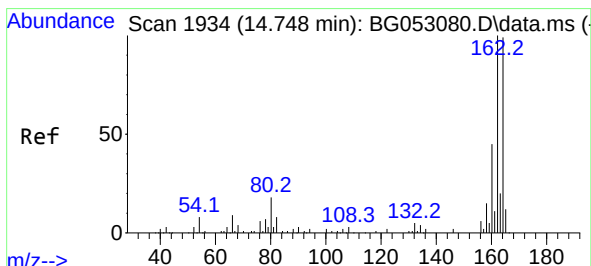
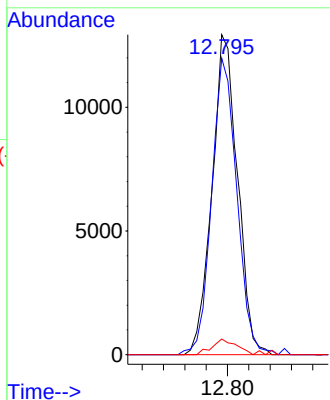
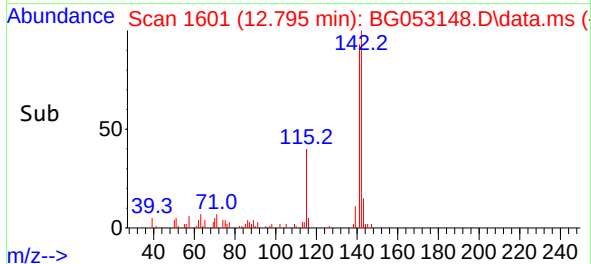
Tgt Ion:142 Resp: 2146
Ion Ratio Lower Upper
142 100
141 92.7 70.5 105.7
116 4.9 3.1 4.7

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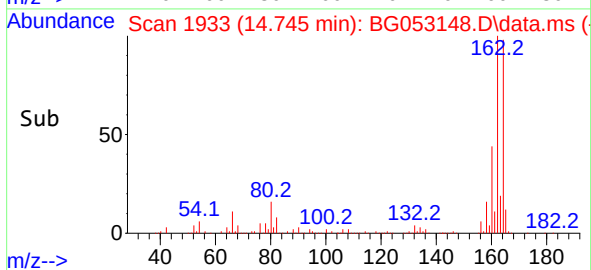
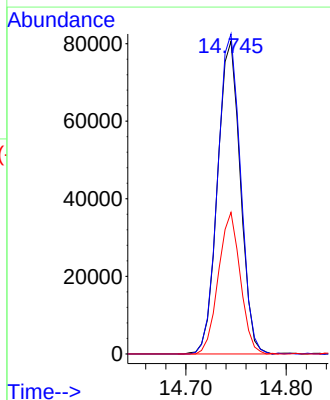
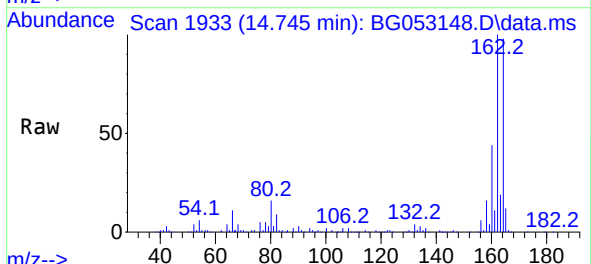
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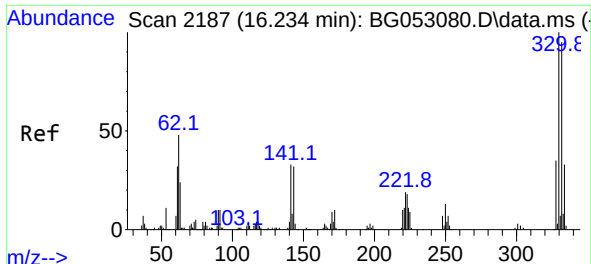
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.745 min Scan# 1933
Delta R.T. -0.003 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Tgt Ion:164 Resp: 127064
Ion Ratio Lower Upper
164 100
162 102.3 80.0 120.0
160 45.3 38.8 58.2





#42
2,4,6-Tribromophenol
Concen: 15.252 ng
RT: 16.225 min Scan# 2187
Delta R.T. -0.009 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:330 Resp: 3083
Ion Ratio Lower Upper
330 100
332 92.7 75.8 113.6
141 35.9 24.6 36.8

Manual Integrations

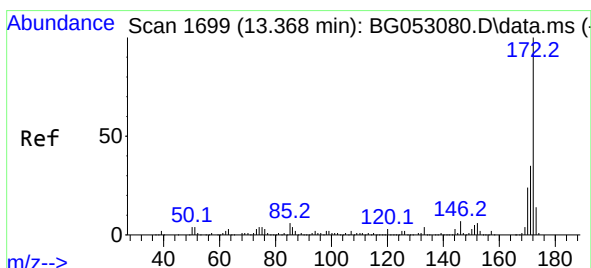
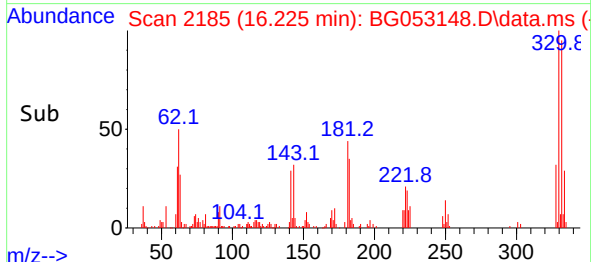
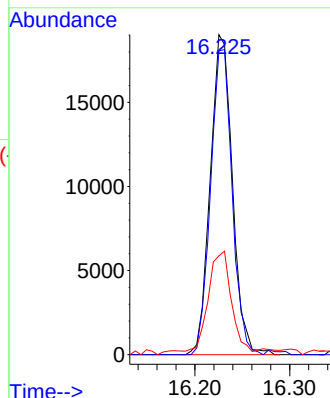
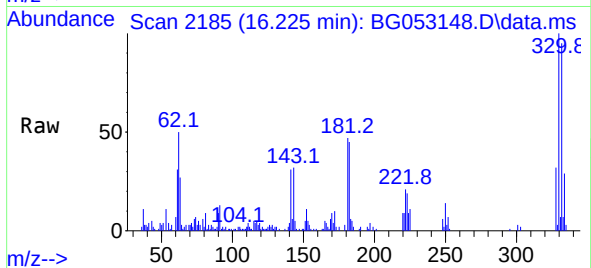
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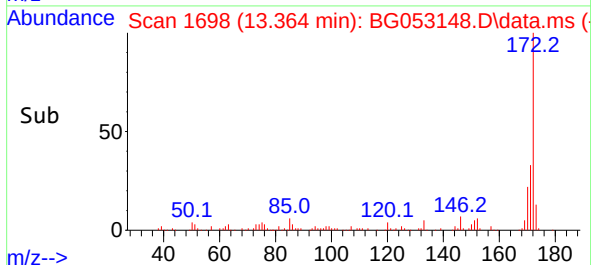
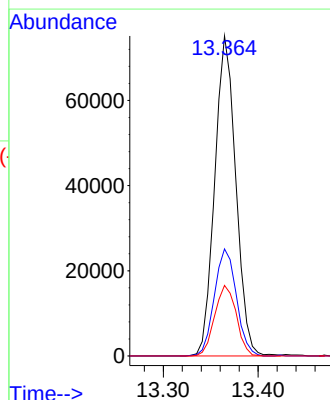
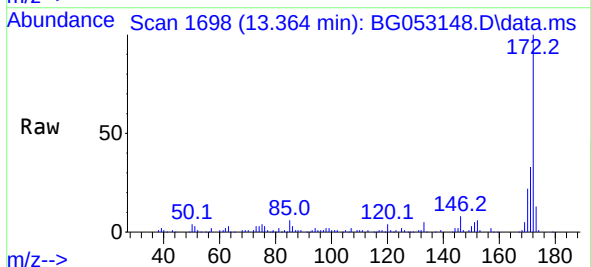
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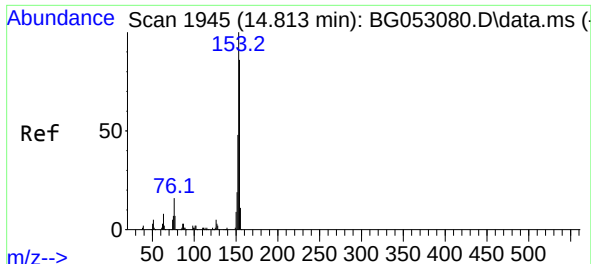
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#45
2-Fluorobiphenyl
Concen: 12.610 ng
RT: 13.364 min Scan# 1698
Delta R.T. -0.003 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

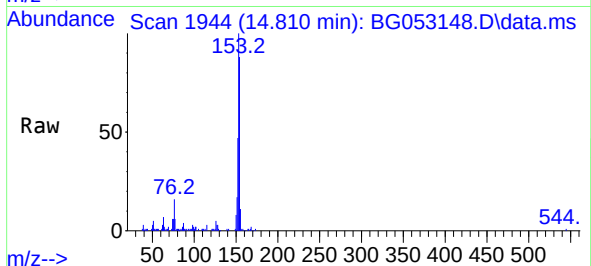
Tgt Ion:172 Resp: 116197
Ion Ratio Lower Upper
172 100
171 33.5 28.3 42.5
170 22.0 18.0 27.0





#52
Acenaphthene
Concen: 5.863 ng
RT: 14.810 min Scan# 1945
Delta R.T. -0.003 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Instrument :
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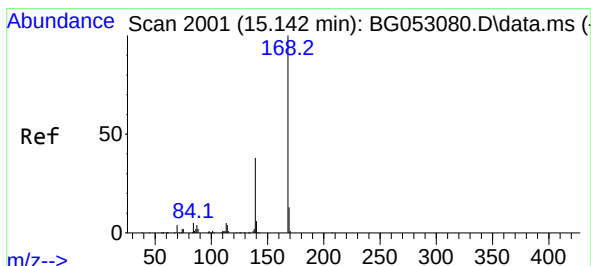
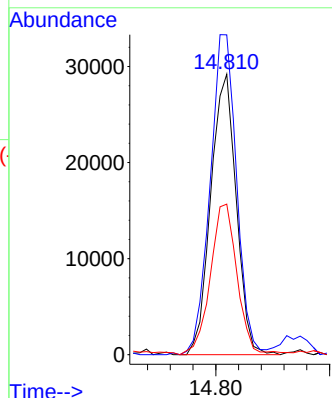
Tgt Ion:154 Resp: 45430
Ion Ratio Lower Upper
154 100
153 114.1 89.0 133.4
152 53.7 40.5 60.7

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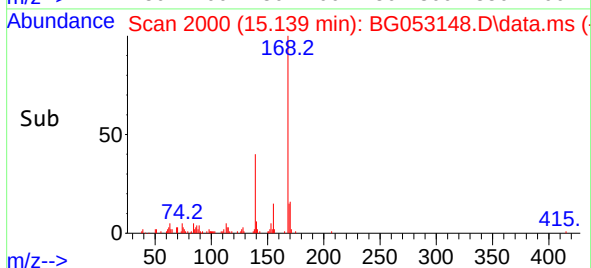
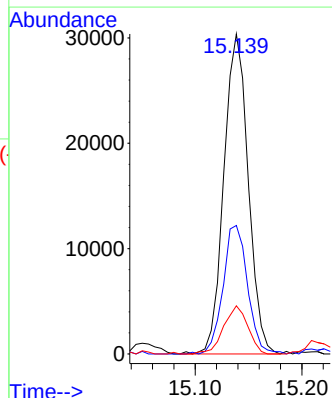
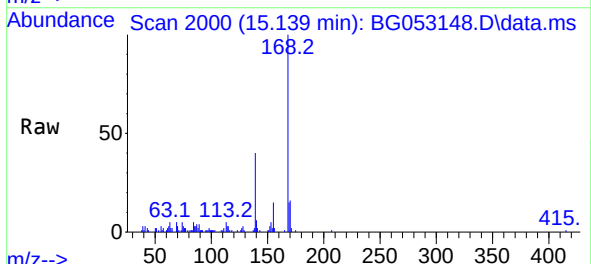
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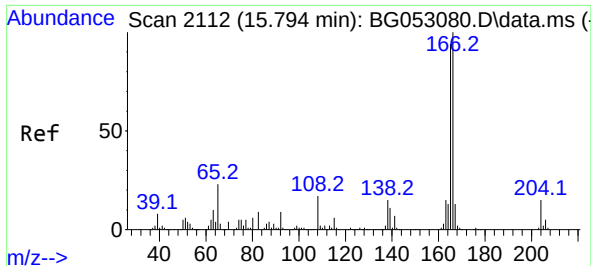
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#55
Dibenzofuran
Concen: 3.966 ng
RT: 15.139 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Tgt Ion:168 Resp: 48132
Ion Ratio Lower Upper
168 100
139 40.1 30.2 45.4
169 15.1 10.7 16.1





#58
Fluorene
Concen: 8.062 ng
RT: 15.785 min Scan# 2110
Delta R.T. -0.009 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Instrument :

BNA_G

ClientSampleId :

OK-02-041222

Tgt Ion:166 Resp: 7901
Ion Ratio Lower Upper
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165 96.2 78.6 117.8
167 13.1 10.9 16.3

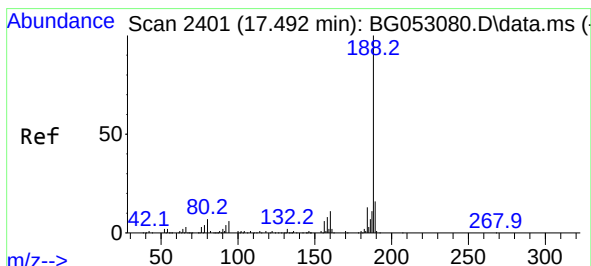
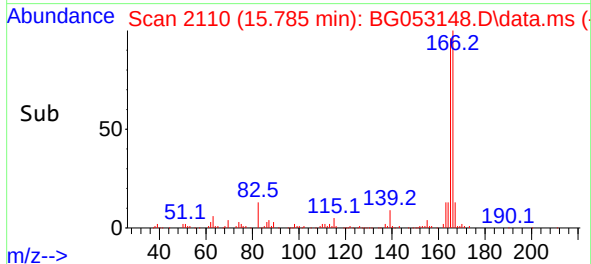
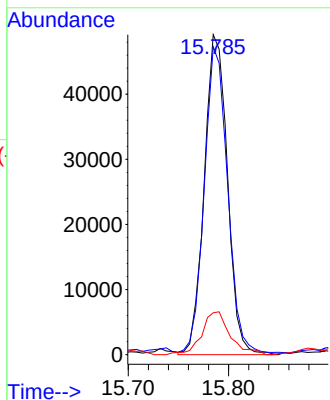
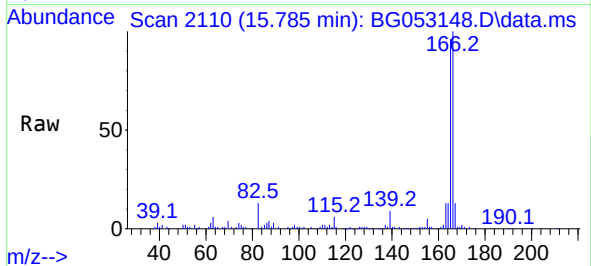
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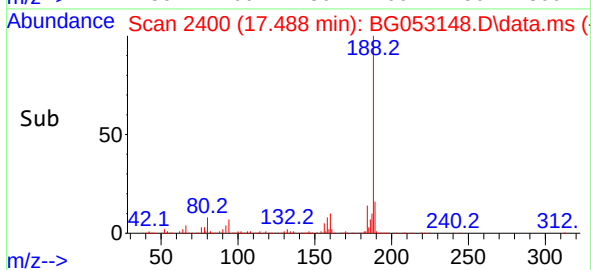
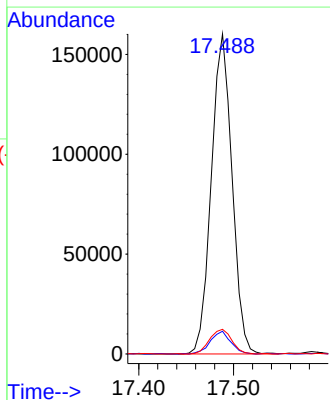
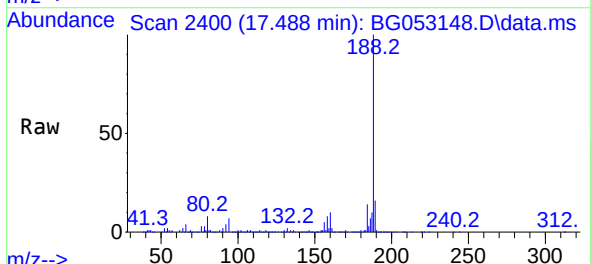
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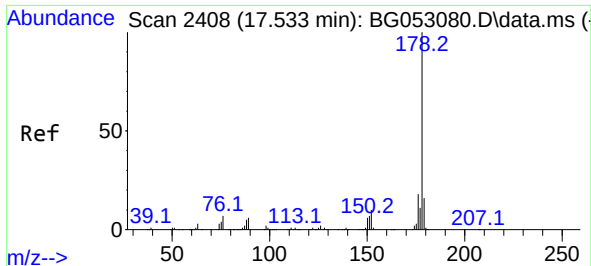
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.488 min Scan# 2400
Delta R.T. -0.003 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Tgt Ion:188 Resp: 243281
Ion Ratio Lower Upper
188 100
94 7.1 5.7 8.5
80 7.7 7.2 10.8





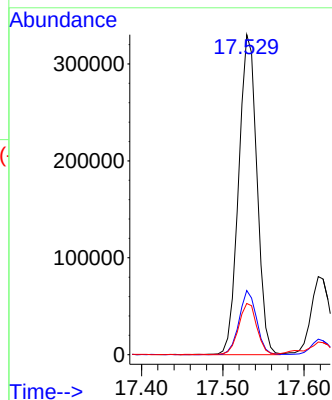
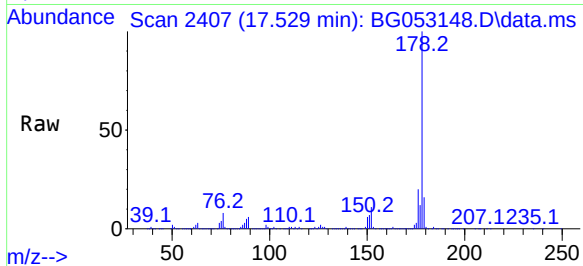
#71
Phenanthrene
Concen: 38.768 ng
RT: 17.529 min Scan# 2408
Delta R.T. -0.003 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Instrument :
BNA_G
ClientSampleId :
OK-02-041222

Tgt Ion:178 Resp: 51517
Ion Ratio Lower Upper
178 100
176 20.1 15.9 23.9
179 16.0 13.4 20.2

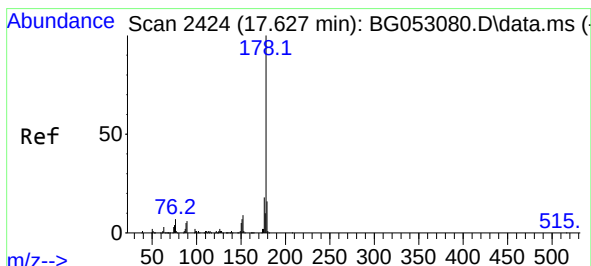
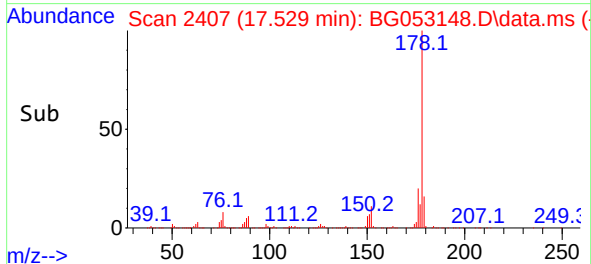
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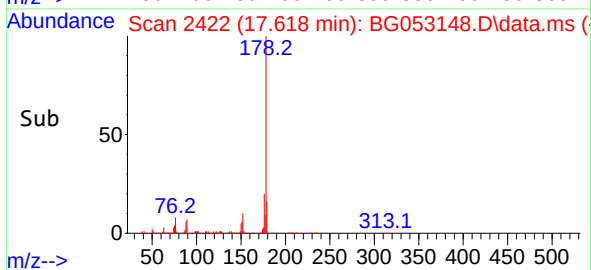
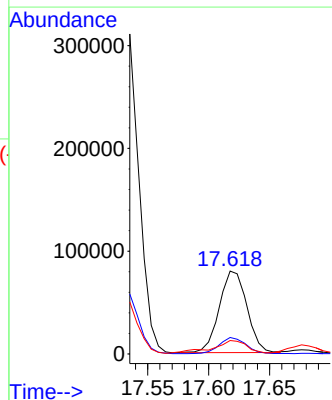
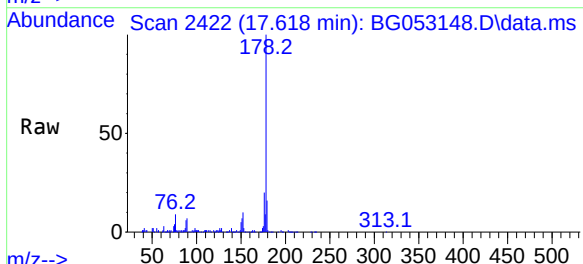
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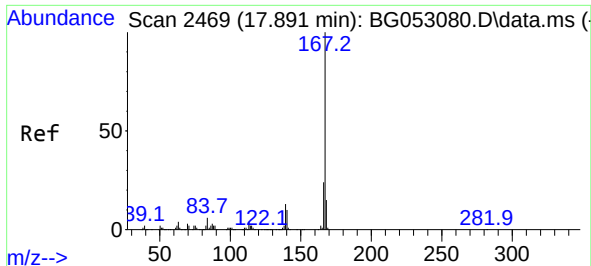
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#72
Anthracene
Concen: 9.482 ng
RT: 17.618 min Scan# 2422
Delta R.T. -0.009 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

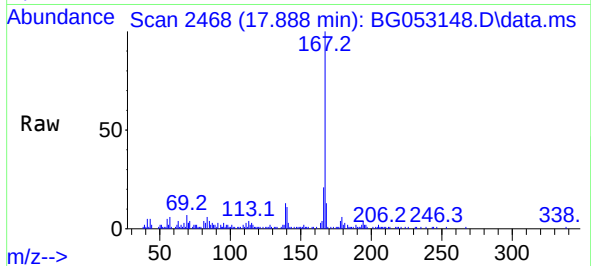
Tgt Ion:178 Resp: 124830
Ion Ratio Lower Upper
178 100
176 19.9 14.7 22.1
179 16.3 13.2 19.8





#73
 Carbazole
 Concen: 3.617 ng
 RT: 17.888 min Scan# 2469
 Delta R.T. -0.003 min
 Lab File: BG053148.D
 Acq: 13 Apr 2022 21:20

Instrument :
 BNA_G
 ClientSampleId :
 OK-02-041222



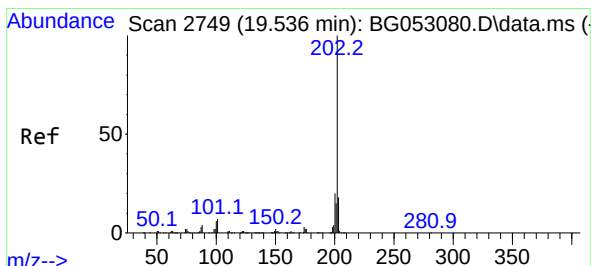
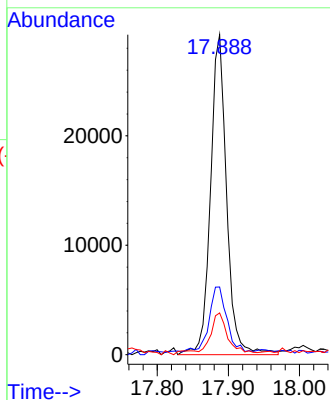
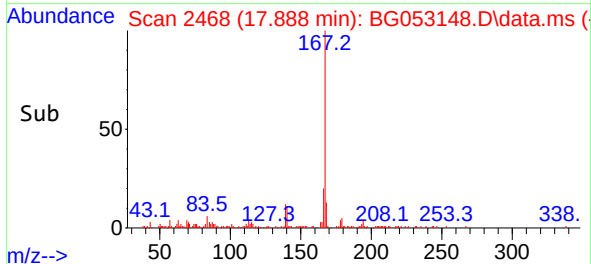
Tgt Ion:167 Resp: 46292
 Ion Ratio Lower Upper
 167 100
 166 21.2 18.5 27.7
 139 13.0 10.0 15.0

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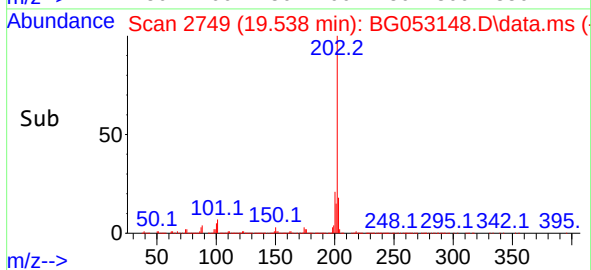
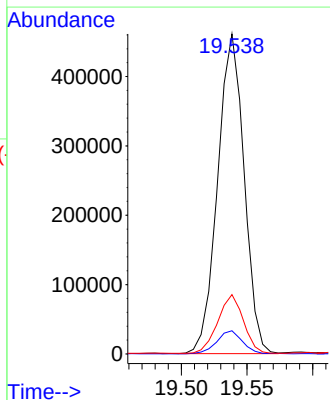
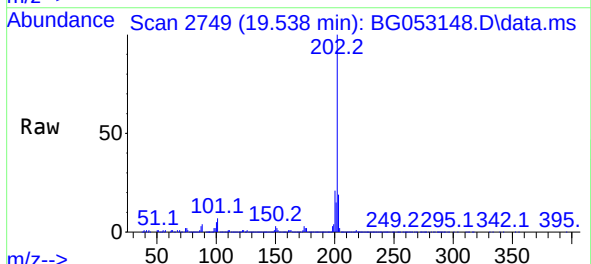
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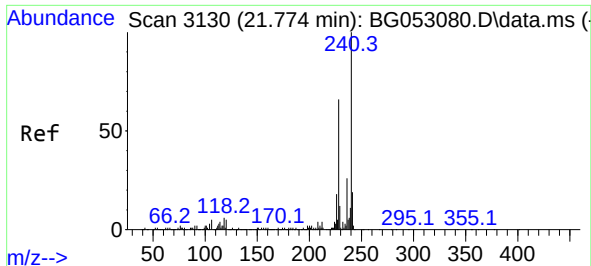
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#75
 Fluoranthene
 Concen: 37.917 ng
 RT: 19.538 min Scan# 2749
 Delta R.T. 0.003 min
 Lab File: BG053148.D
 Acq: 13 Apr 2022 21:20

Tgt Ion:202 Resp: 645868
 Ion Ratio Lower Upper
 202 100
 101 7.3 0.0 27.3
 203 18.6 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.771 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Instrument :
BNA_G
ClientSampleId :
OK-02-041222

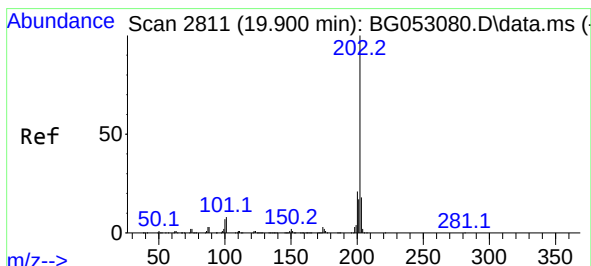
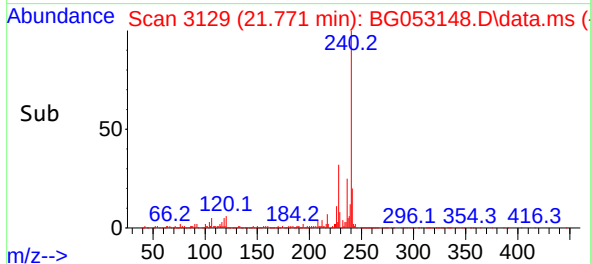
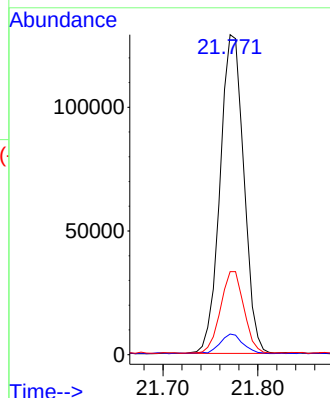
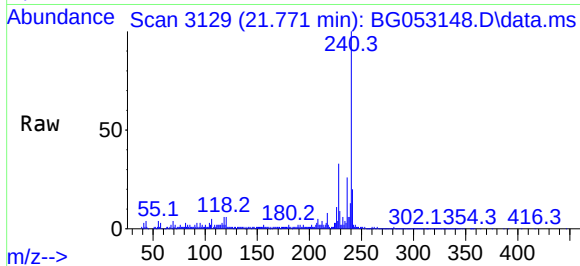
Tgt Ion:240 Resp: 224610
Ion Ratio Lower Upper
240 100
120 6.5 5.4 8.0
236 26.0 19.8 29.6

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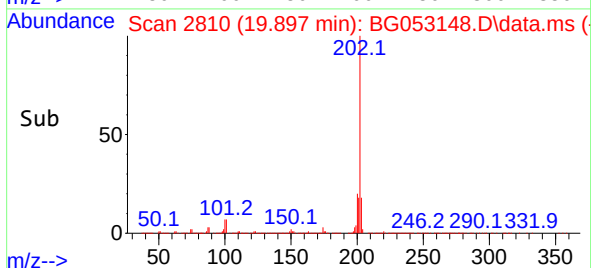
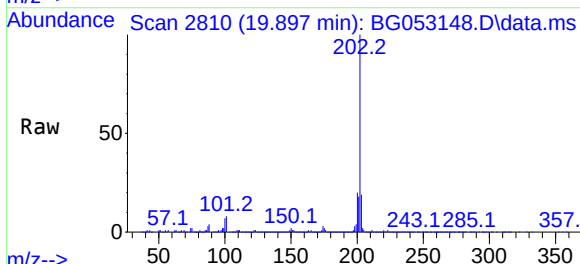
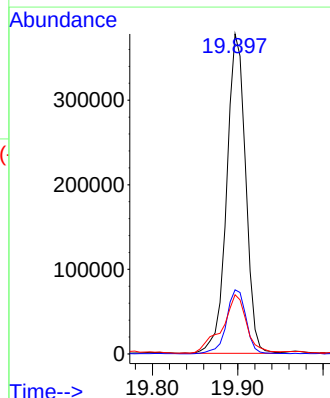
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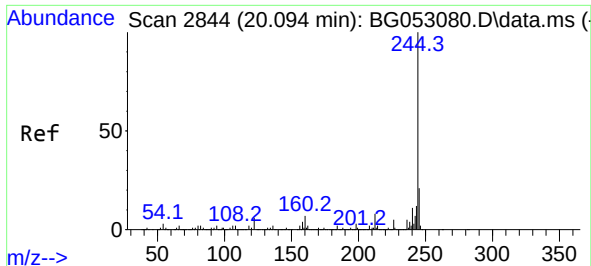
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#78
Pyrene
Concen: 36.342 ng
RT: 19.897 min Scan# 2810
Delta R.T. -0.003 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Tgt Ion:202 Resp: 581374
Ion Ratio Lower Upper
202 100
200 20.1 17.0 25.6
203 18.5 15.0 22.6





#79
Terphenyl-d14
Concen: 11.533 ng
RT: 20.085 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Instrument :

BNA_G

ClientSampleId :

OK-02-041222

Tgt Ion:244 Resp: 153384
Ion Ratio Lower Upper
244 100
212 7.9 5.4 8.2
122 7.1 5.8 8.6

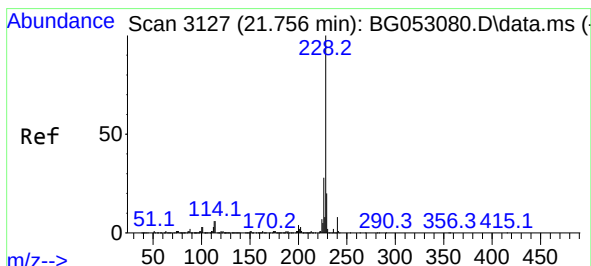
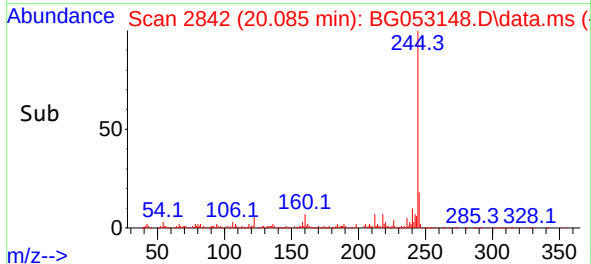
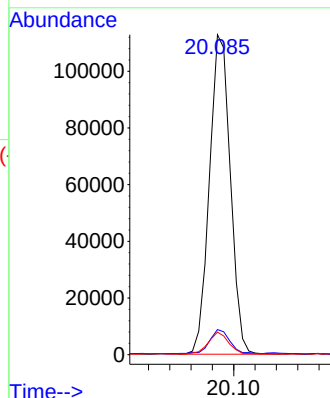
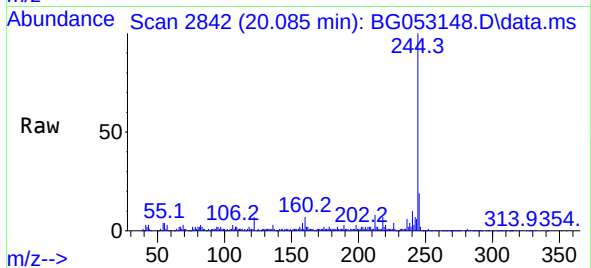
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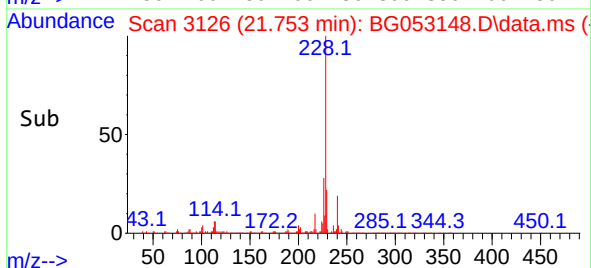
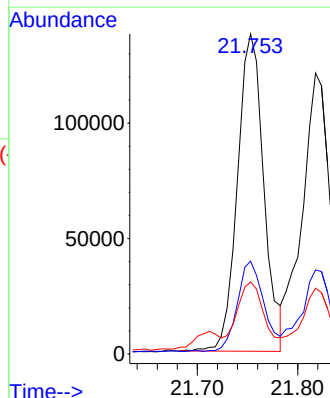
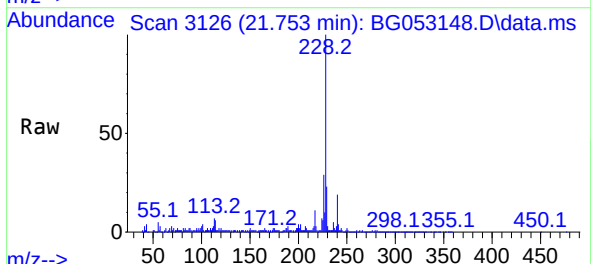
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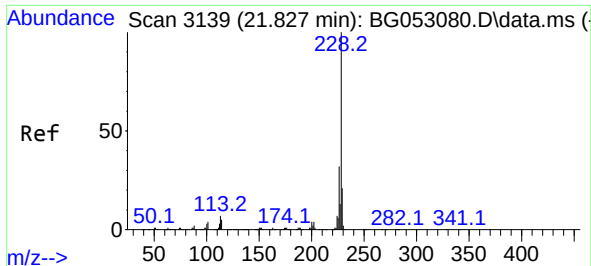
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#81
Benzo(a)anthracene
Concen: 16.349 ng
RT: 21.753 min Scan# 3126
Delta R.T. -0.003 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

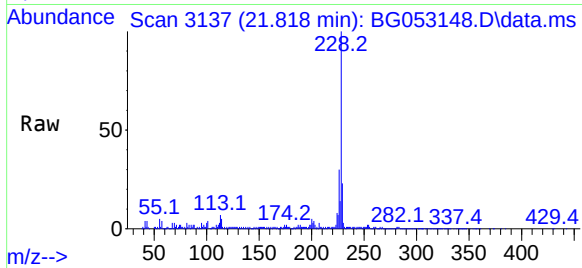
Tgt Ion:228 Resp: 251084
Ion Ratio Lower Upper
228 100
226 29.0 21.4 32.0
229 22.5 16.7 25.1





#83
Chrysene
Concen: 16.315 ng
RT: 21.818 min Scan# 3139
Delta R.T. -0.009 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Instrument :
BNA_G
ClientSampleId :
OK-02-041222



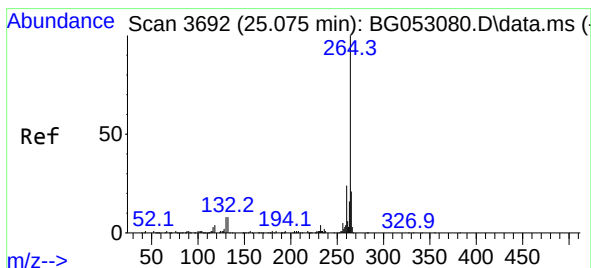
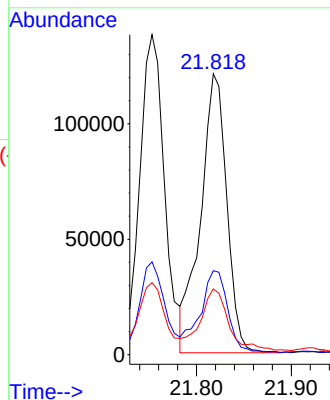
Tgt Ion:228 Resp: 23253
Ion Ratio Lower Upper
228 100
226 29.9 24.2 36.4
229 23.4 16.3 24.5

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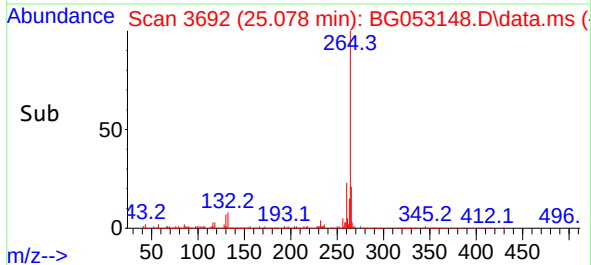
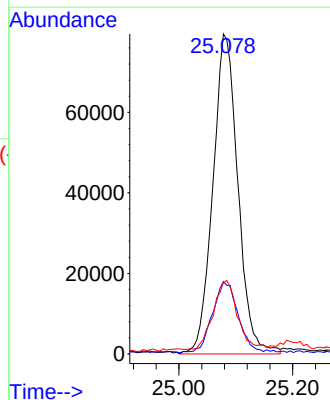
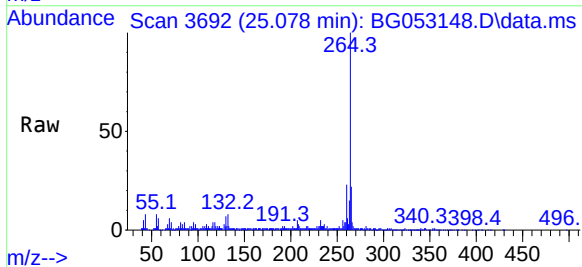
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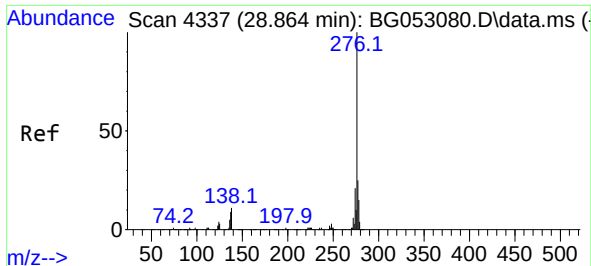
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#86
Perylene-d12
Concen: 20.000 ng
RT: 25.078 min Scan# 3692
Delta R.T. 0.003 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Tgt Ion:264 Resp: 242699
Ion Ratio Lower Upper
264 100
260 22.6 18.2 27.2
265 22.2 15.1 22.7





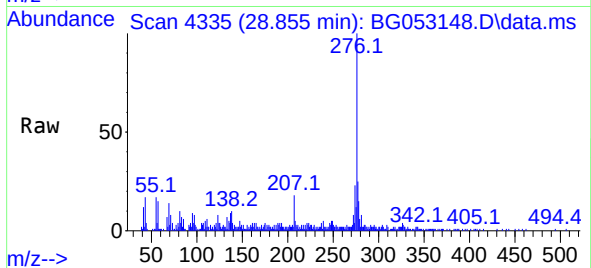
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.968 ng
RT: 28.855 min Scan# 4337
Delta R.T. -0.009 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Instrument :

BNA_G

ClientSampleId :

OK-02-041222



Tgt Ion:276 Resp: 107618
Ion Ratio Lower Upper
276 100
138 4.8 8.7 13.1
277 22.7 20.2 30.4

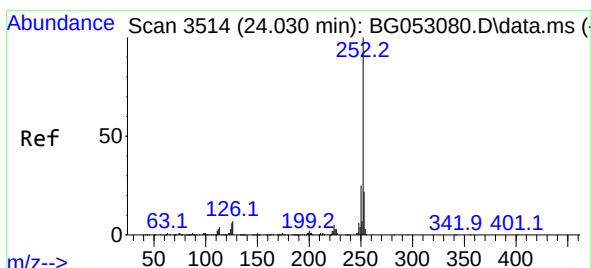
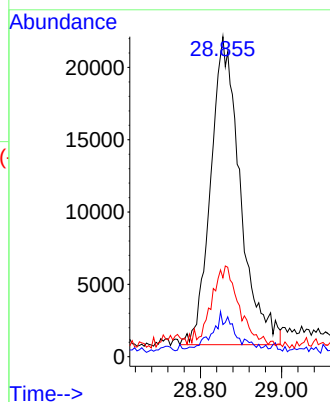
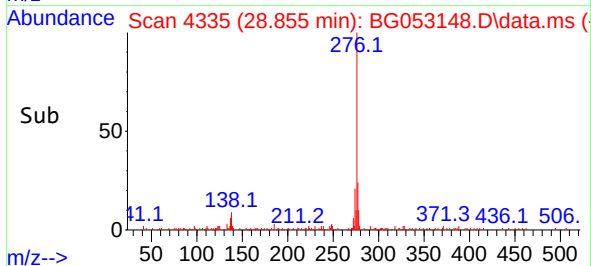
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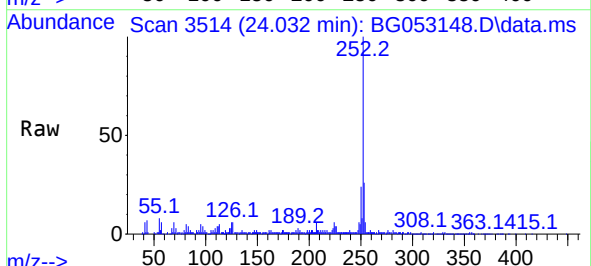
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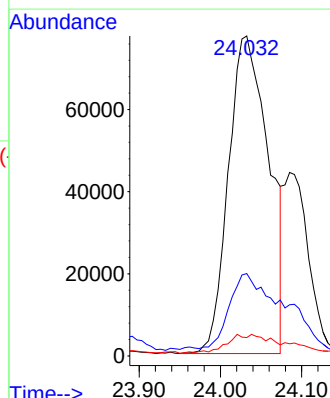
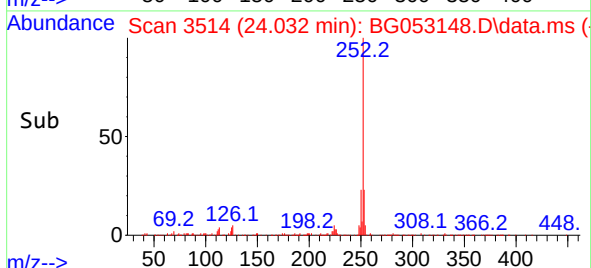
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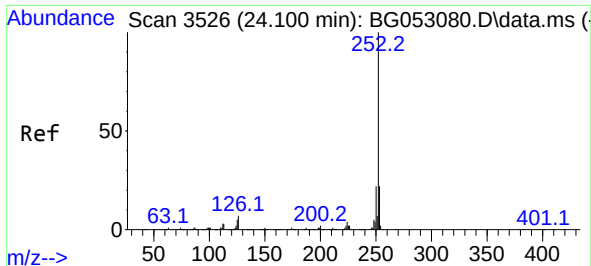


#88
Benzo(b)fluoranthene
Concen: 17.425 ng
RT: 24.032 min Scan# 3514
Delta R.T. 0.003 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20



Tgt Ion:252 Resp: 266827
Ion Ratio Lower Upper
252 100
253 25.7 17.2 25.8
125 5.7 5.2 7.8





#89
Benzo(k)fluoranthene
Concen: 6.263 ng m
RT: 24.085 min Scan# 3526
Delta R.T. -0.015 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Instrument :
BNA_G
ClientSampleId :
OK-02-041222

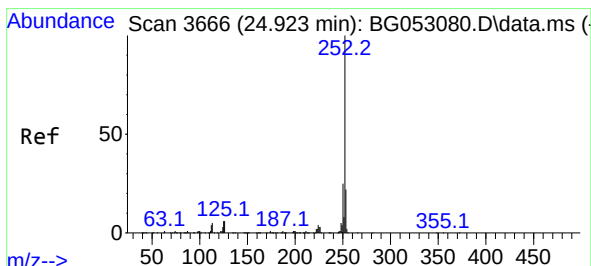
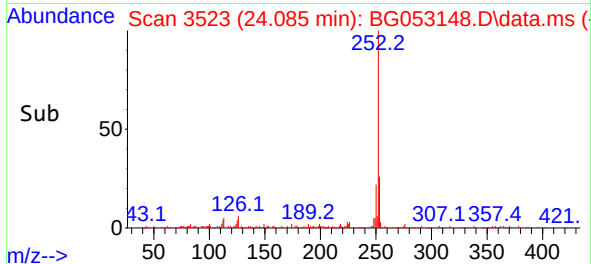
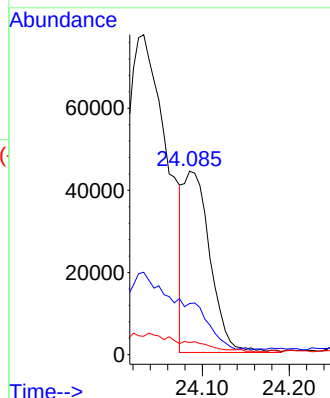
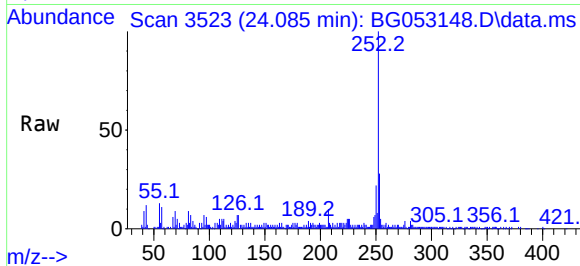
Tgt Ion:252 Resp: 9426
Ion Ratio Lower Upper
252 100
253 27.9 17.4 26.0
125 6.6 5.0 7.4

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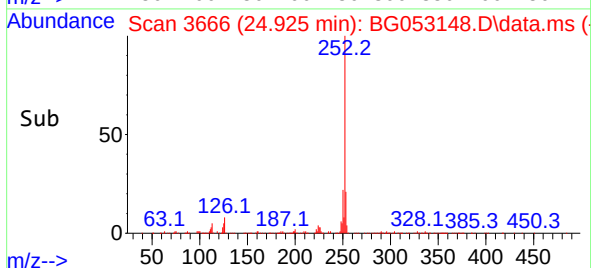
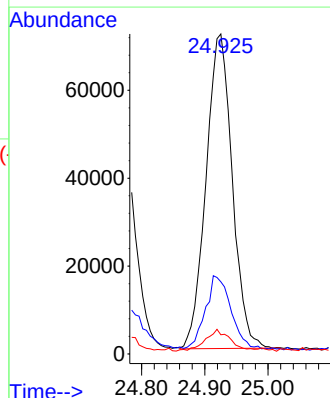
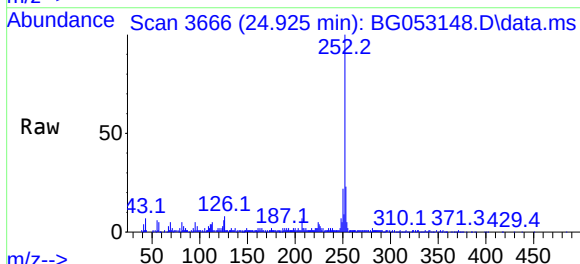
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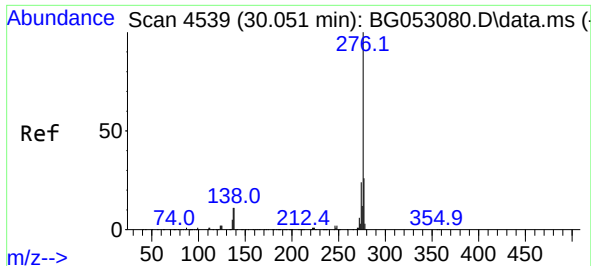
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#90
Benzo(a)pyrene
Concen: 15.832 ng
RT: 24.925 min Scan# 3666
Delta R.T. 0.003 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

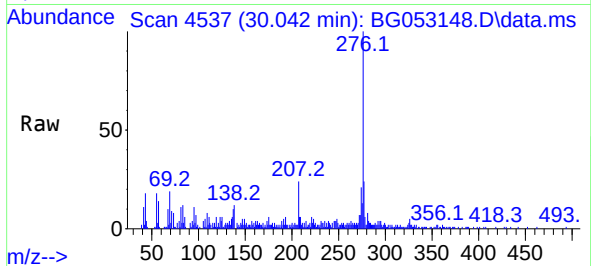
Tgt Ion:252 Resp: 206527
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 6.0 5.6 8.4





#92
Benzo(g,h,i)perylene
Concen: 6.886 ng
RT: 30.042 min Scan# 4537
Delta R.T. -0.009 min
Lab File: BG053148.D
Acq: 13 Apr 2022 21:20

Instrument :
BNA_G
ClientSampleId :
OK-02-041222



Tgt Ion: 276 Resp: 100720
Ion Ratio Lower Upper
276 100
277 23.7 18.2 27.2
138 12.3 9.1 13.7

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04/14/2022

