

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
 Data File : BG051112.D
 Acq On : 18 Nov 2021 19:32
 Operator : CG/JU
 Sample : M4695-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 351

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

Quant Time: Nov 19 01:37:12 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 19 01:16:08 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							11/19/2021
1) 1,4-Dichlorobenzene-d4	8.218	152	35735	20.000	ng	-0.01	Supervised By :mohammad Ahmed
21) Naphthalene-d8	11.044	136	152714	20.000	ng	#-0.01	
39) Acenaphthene-d10	14.846	164	99859	20.000	ng	-0.01	
64) Phenanthrene-d10	17.596	188	205858	20.000	ng	# 0.00	
76) Chrysene-d12	21.896	240	176219	20.000	ng	# 0.00	
86) Perylene-d12	25.304	264	176410	20.000	ng	0.00	11/29/2021
System Monitoring Compounds							
5) 2-Fluorophenol	5.762	112	223045	93.369	ng	0.00	
7) Phenol-d6	7.372	99	304762	90.387	ng	0.00	
23) Nitrobenzene-d5	9.393	82	202999	58.842	ng	-0.01	
42) 2,4,6-Tribromophenol	16.338	330	90878	90.940	ng	0.00	
45) 2-Fluorobiphenyl	13.465	172	380452	60.198	ng	0.00	
79) Terphenyl-d14	20.181	244	541461	58.513	ng	0.00	
Target Compounds							Qvalue
49) Acenaphthylene	14.576	152	53291	5.763	ng		95
52) Acenaphthene	14.911	154	12771	2.370	ng	#	89
58) Fluorene	15.892	166	22097	3.089	ng		99
68) Hexachlorobenzene	16.896	284	4777	2.251	ng	#	92
71) Phenanthrene	17.637	178	363754	33.127	ng		97
72) Anthracene	17.731	178	36650	3.356	ng		96
73) Carbazole	18.001	167	28703	2.654	ng		97
75) Fluoranthene	19.640	202	836289	62.078	ng		96
78) Pyrene	20.005	202	663064	50.157	ng		97
81) Benzo(a)anthracene	21.873	228	350267	28.948	ng		99
83) Chrysene	21.944	228	352843	30.912	ng		94
87) Indeno(1,2,3-cd)pyrene	29.235	276	242753	19.387	ng	#	91
88) Benzo(b)fluoranthene	24.223	252	504382	45.422	ng	#	92
89) Benzo(k)fluoranthene	24.288	252	177193m	15.999	ng		
90) Benzo(a)pyrene	25.146	252	329981	34.808	ng	#	92
91) Dibenzo(a,h)anthracene	29.270	278	67731	6.570	ng	#	81
92) Benzo(g,h,i)perylene	30.469	276	207065	20.410	ng	#	91

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

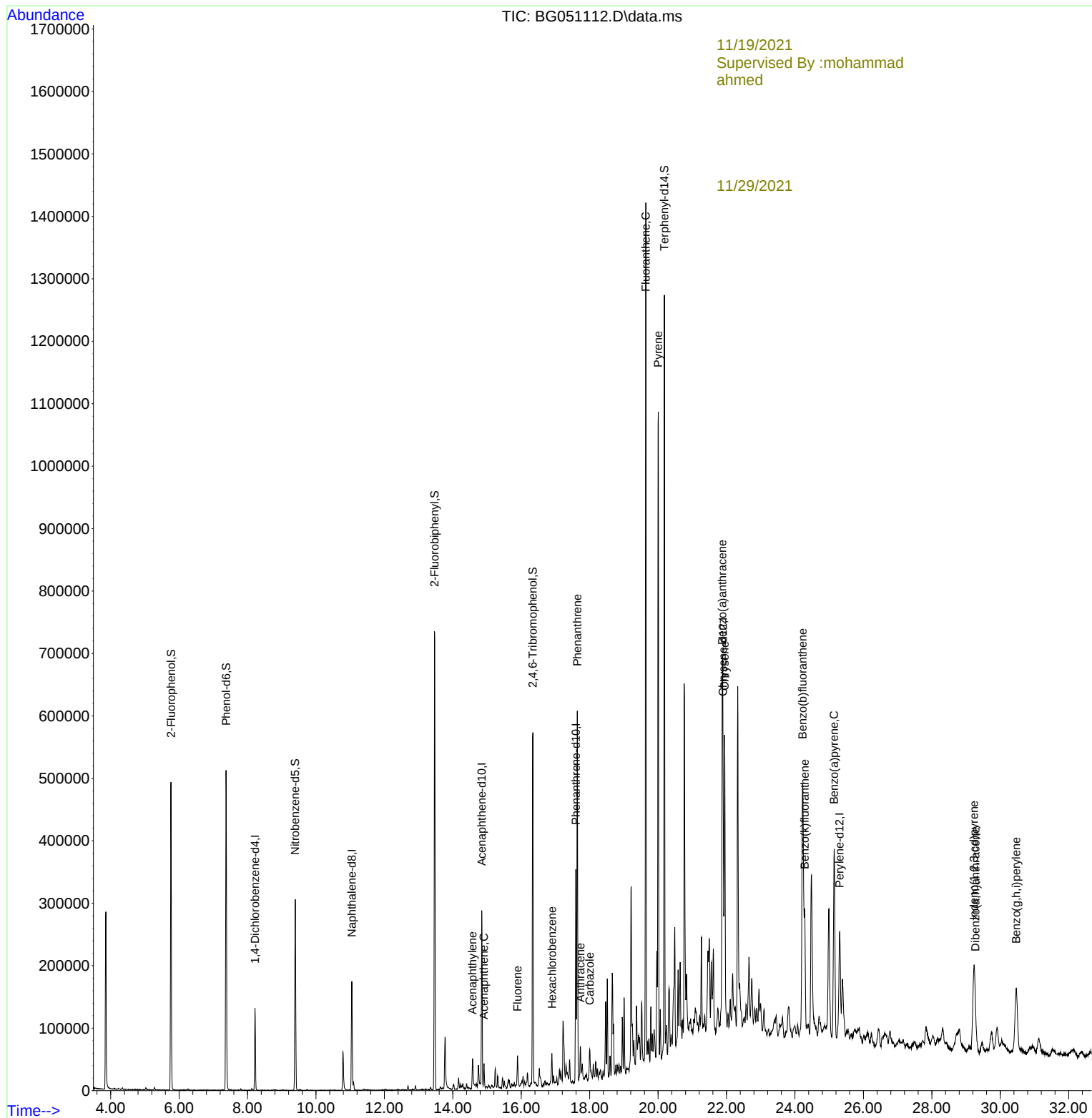
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051112.D
Acq On : 18 Nov 2021 19:32
Operator : CG/JU
Sample : M4695-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

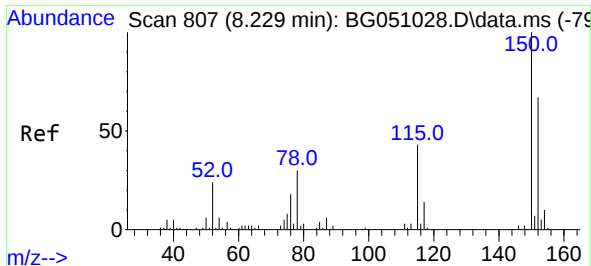
Instrument :
BNA_G
ClientSampleId :
351

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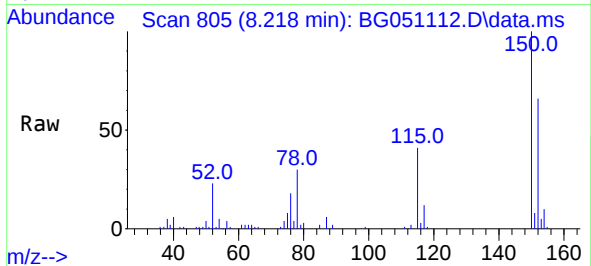
Quant Time: Nov 19 01:37:12 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 19 01:16:08 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 807
Delta R.T. -0.011 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

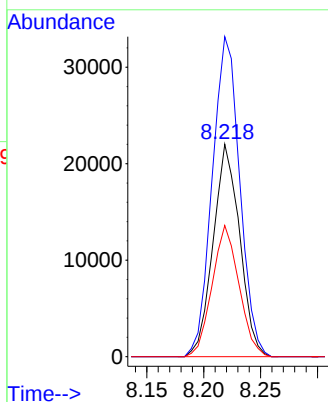
Instrument :
BNA_G
ClientSampleId :
351



Tgt Ion:152 Resp: 35735
Ion Ratio Lower Upper
152 100
150 150.6 119.4 179.0
115 61.8 60.2 90.4

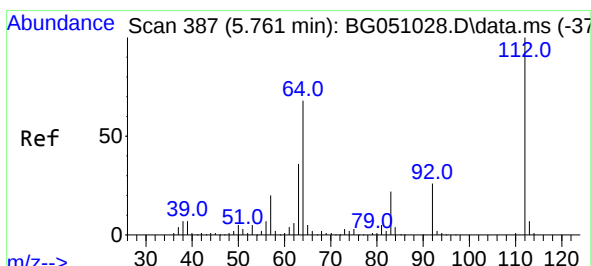
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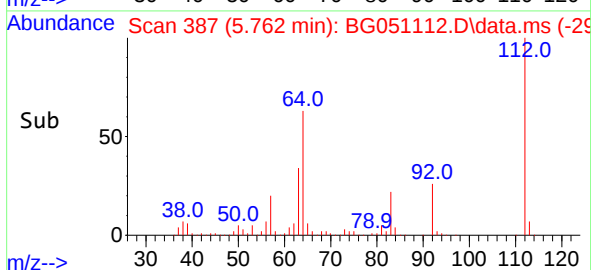
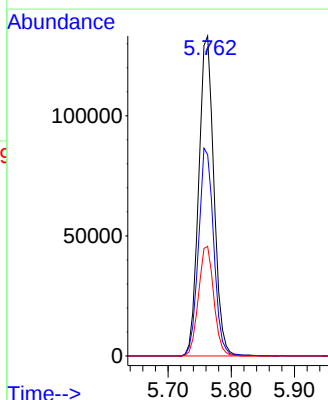
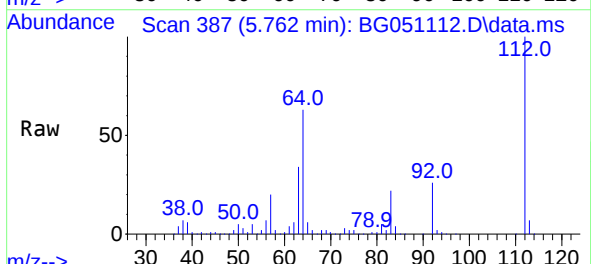
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Supervised By :mohammad
ahmed

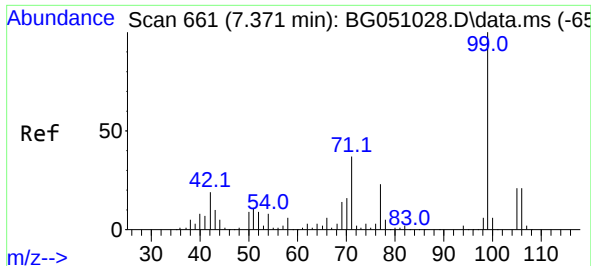
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#5
2-Fluorophenol
Concen: 93.369 ng
RT: 5.762 min Scan# 387
Delta R.T. 0.001 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

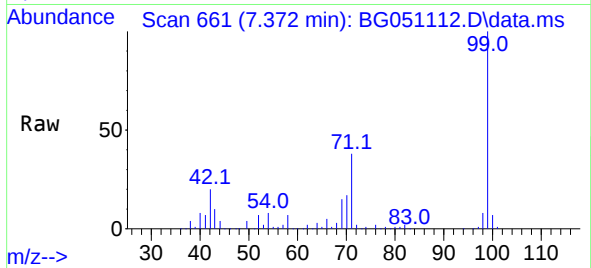
Tgt Ion:112 Resp: 223045
Ion Ratio Lower Upper
112 100
64 62.9 46.7 70.1
63 34.3 35.3 52.9#





#7
Phenol-d6
Concen: 90.387 ng
RT: 7.372 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

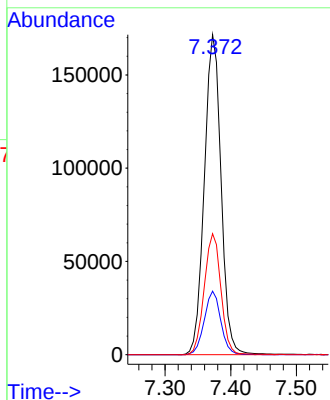
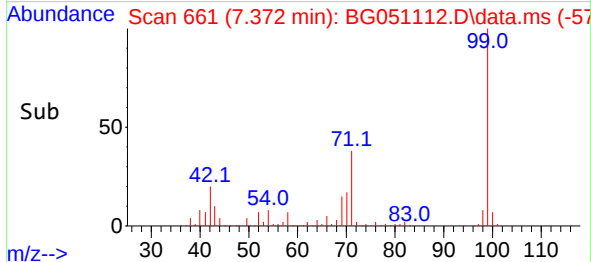
Instrument :
BNA_G
ClientSampleId :
351



Tgt Ion: 99 Resp: 304762
Ion Ratio Lower Upper
99 100
42 19.9 20.5 30.7
71 37.8 41.5 62.3

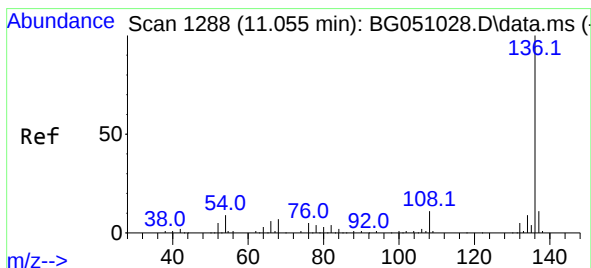
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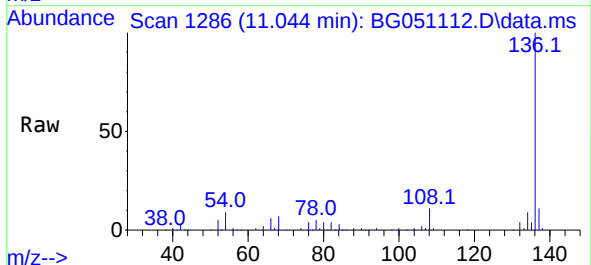


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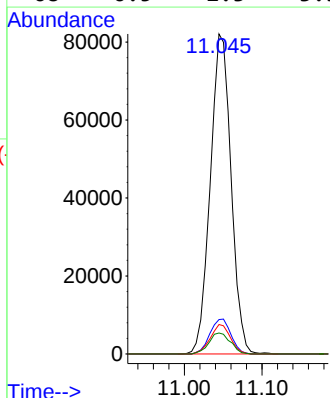
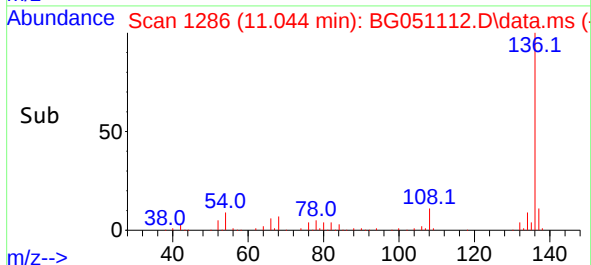
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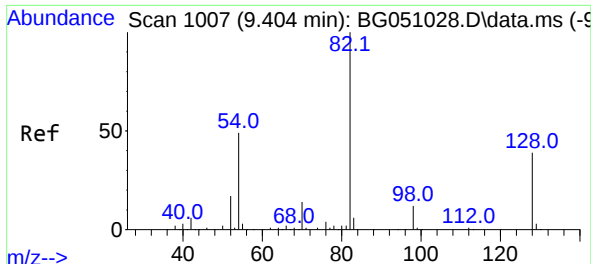


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1286
Delta R.T. -0.010 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32



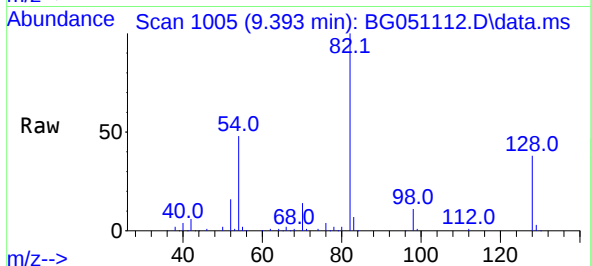
Tgt Ion:136 Resp: 152714
Ion Ratio Lower Upper
136 100
137 10.7 8.2 12.2
54 9.2 5.5 8.3#
68 6.5 2.3 3.5#





#23
Nitrobenzene-d5
Concen: 58.842 ng
RT: 9.393 min Scan# 1007
Delta R.T. -0.011 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

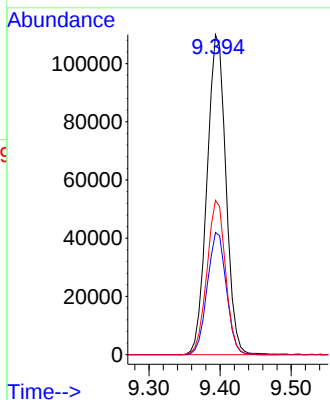
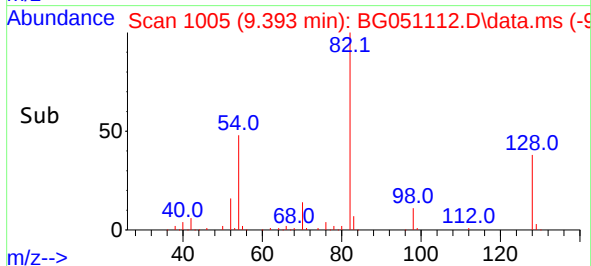
Instrument :
BNA_G
ClientSampleId :
351



Tgt Ion: 82 Resp: 202999
Ion Ratio Lower Upper
82 100
128 38.2 29.8 44.6
54 48.3 45.8 68.8

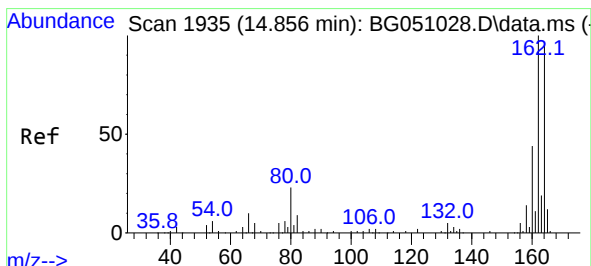
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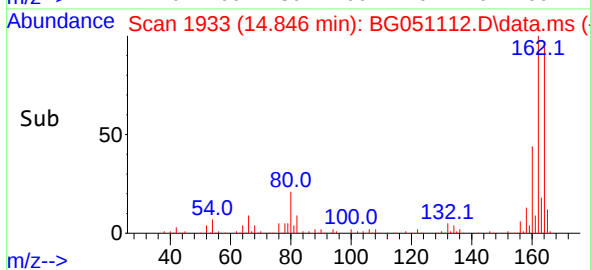
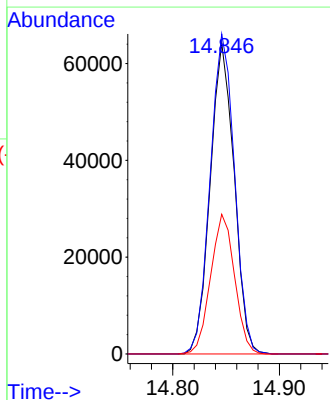
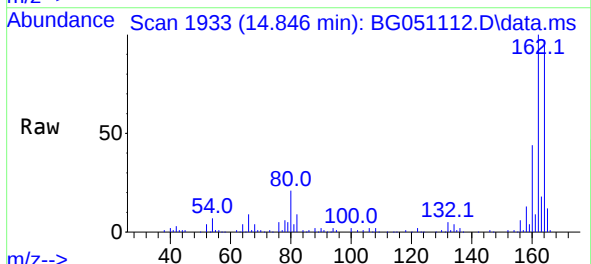
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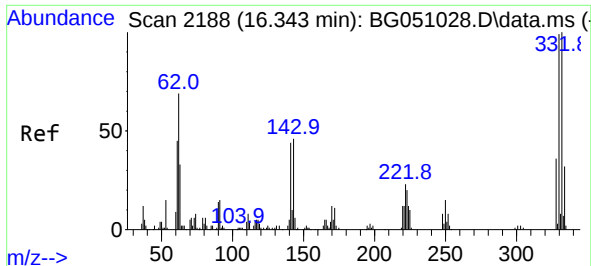
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.846 min Scan# 1933
Delta R.T. -0.010 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

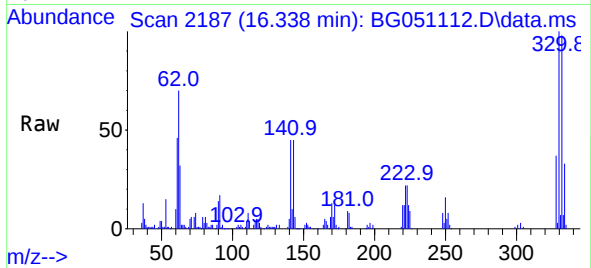
Tgt Ion:164 Resp: 99859
Ion Ratio Lower Upper
164 100
162 102.9 81.4 122.0
160 44.9 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 90.940 ng
RT: 16.338 min Scan# 2188
Delta R.T. -0.005 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

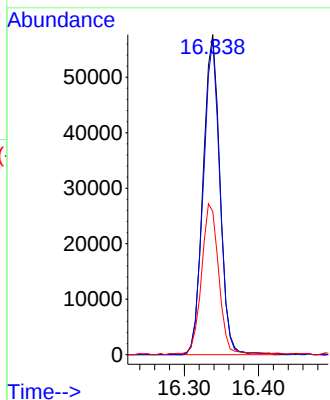
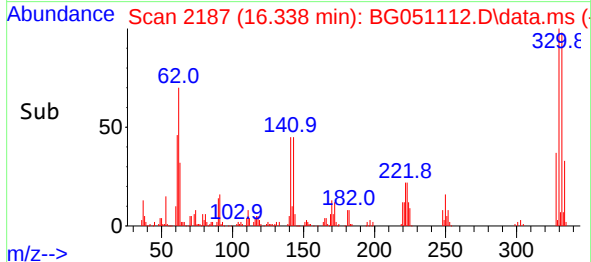
Instrument :
BNA_G
ClientSampleId :
351



Tgt Ion:330 Resp: 90878
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 48.9 35.6 53.4

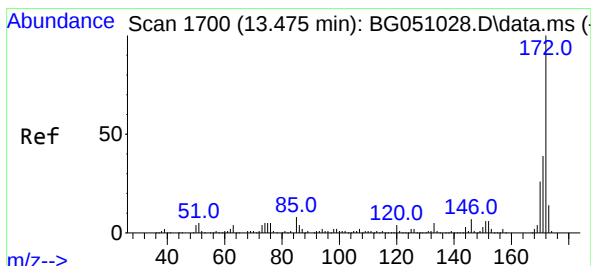
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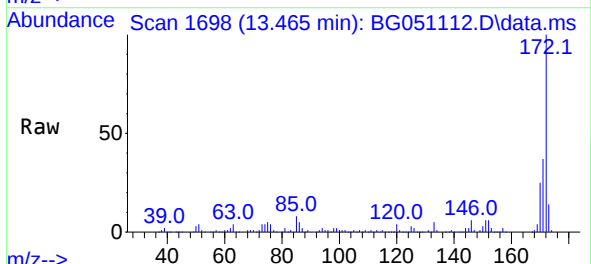


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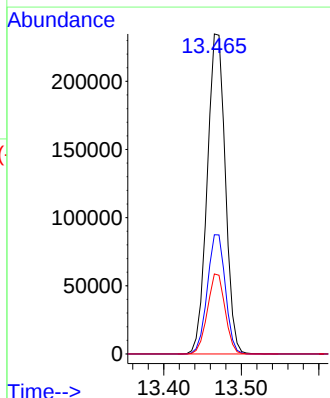
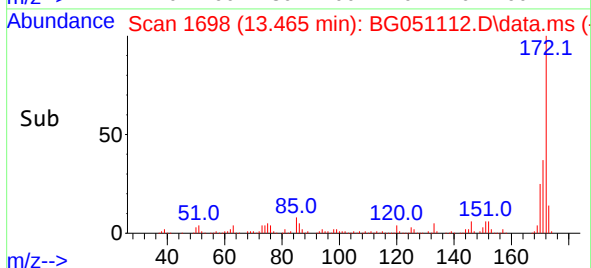
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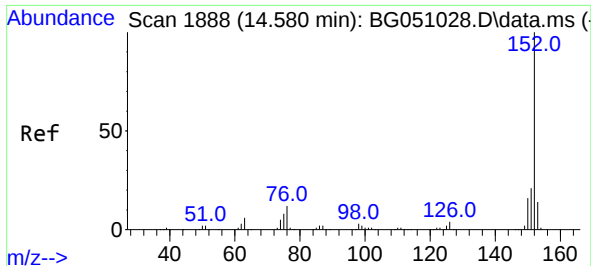


#45
2-Fluorobiphenyl
Concen: 60.198 ng
RT: 13.465 min Scan# 1698
Delta R.T. -0.010 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32



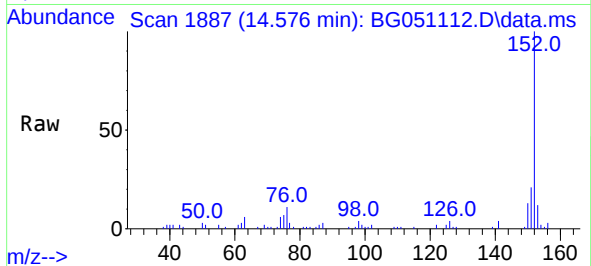
Tgt Ion:172 Resp: 380452
Ion Ratio Lower Upper
172 100
171 37.2 28.6 43.0
170 25.0 18.6 27.8





#49
Acenaphthylene
Concen: 5.763 ng
RT: 14.576 min Scan# 1887
Delta R.T. -0.004 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

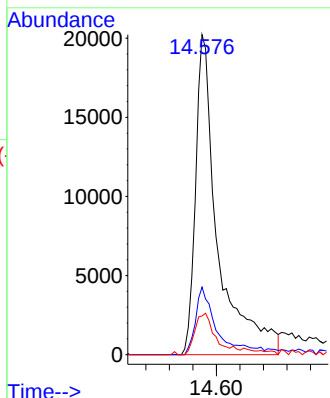
Instrument :
BNA_G
ClientSampleId :
351



Tgt Ion:152 Resp: 5329
Ion Ratio Lower Upper
152 100
151 21.1 18.2 27.4
153 12.1 11.7 17.5

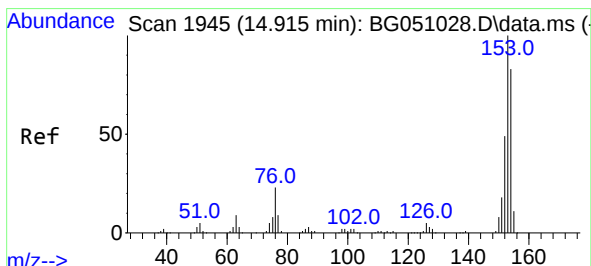
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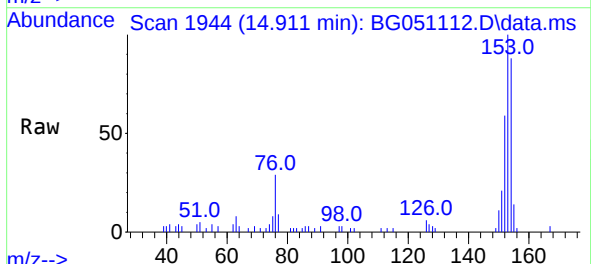


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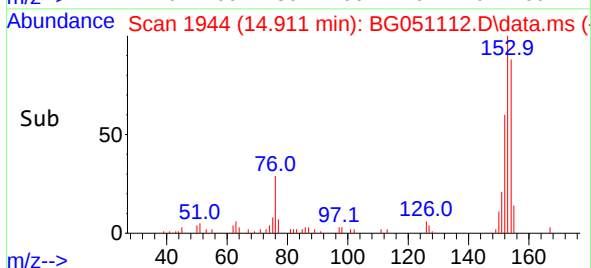
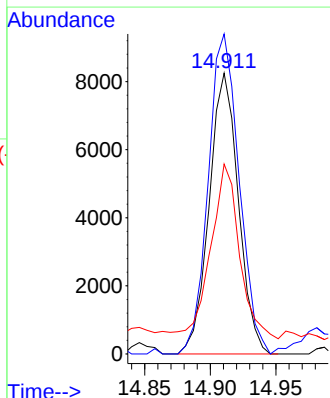
11/29/2021

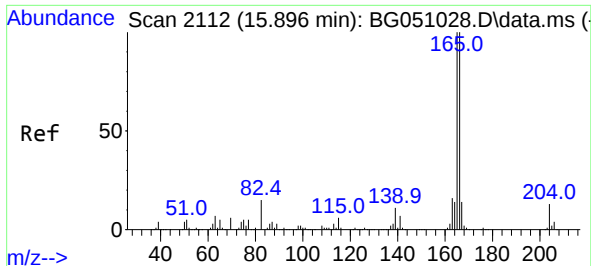


#52
Acenaphthene
Concen: 2.370 ng
RT: 14.911 min Scan# 1944
Delta R.T. -0.004 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32



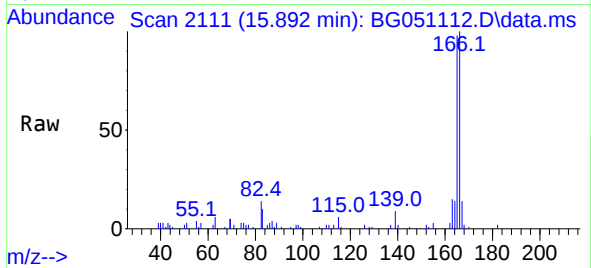
Tgt Ion:154 Resp: 12771
Ion Ratio Lower Upper
154 100
153 114.0 87.0 130.4
152 67.6 40.1 60.1#





#58
Fluorene
Concen: 3.089 ng
RT: 15.892 min Scan# 2112
Delta R.T. -0.004 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

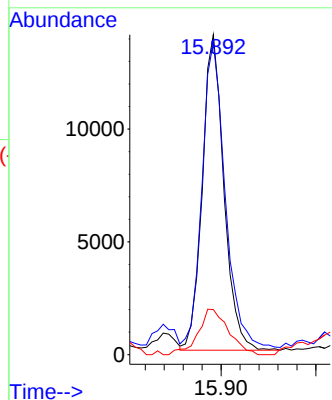
Instrument :
BNA_G
ClientSampleId :
351



Tgt Ion:166 Resp: 22097
Ion Ratio Lower Upper
166 100
165 97.6 77.7 116.5
167 14.1 10.8 16.2

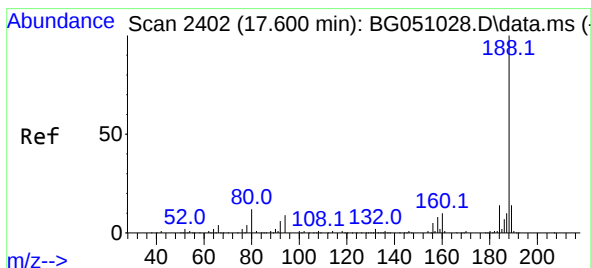
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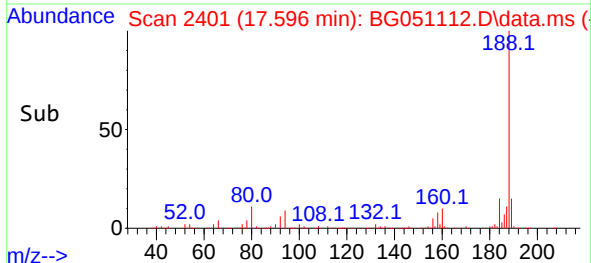
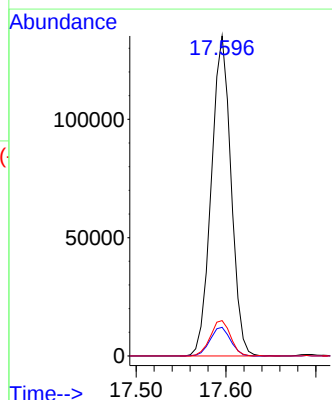
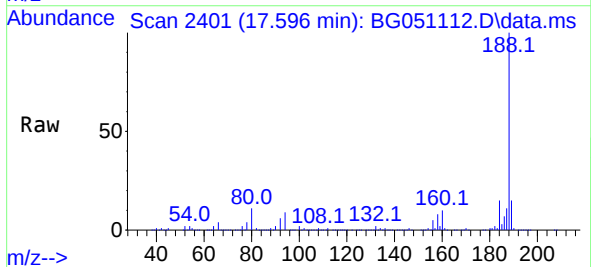
11/19/2021
Supervised By :mohammad
ahmed

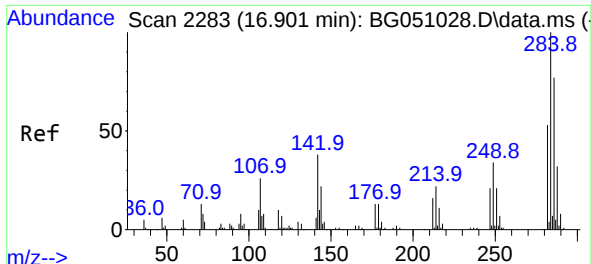
11/29/2021



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.596 min Scan# 2401
Delta R.T. -0.004 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Tgt Ion:188 Resp: 205858
Ion Ratio Lower Upper
188 100
94 8.9 5.4 8.0#
80 11.0 3.7 5.5#





#68
Hexachlorobenzene
Concen: 2.251 ng
RT: 16.896 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Instrument :

BNA_G

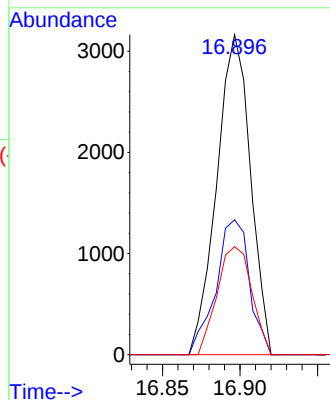
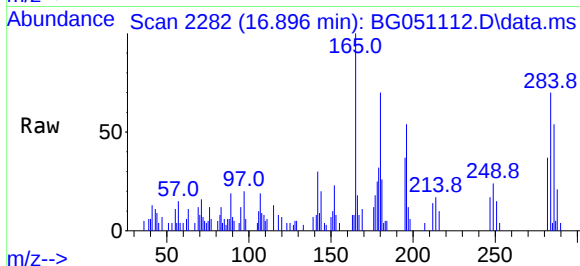
ClientSampleId :

351

Tgt Ion:284 Resp: 477
Ion Ratio Lower Upper
284 100
142 42.2 27.0 40.6
249 33.8 28.2 42.2

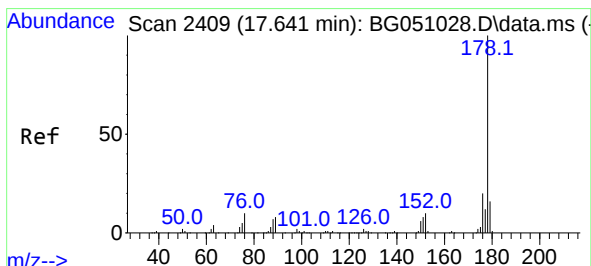
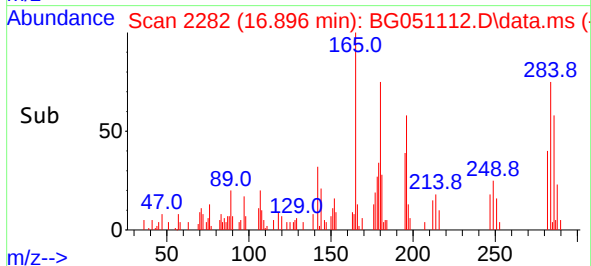
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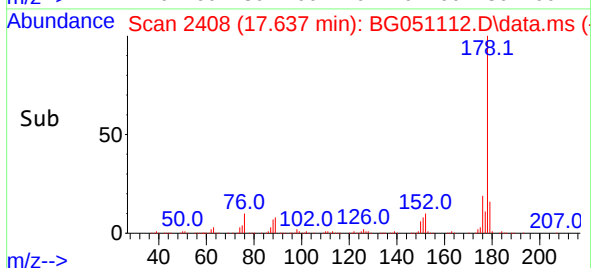
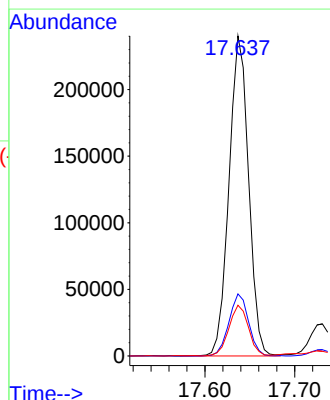
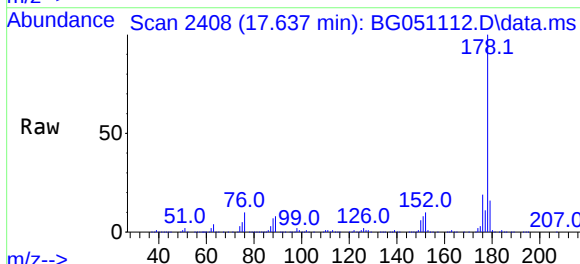
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Supervised By :mohammad
ahmed

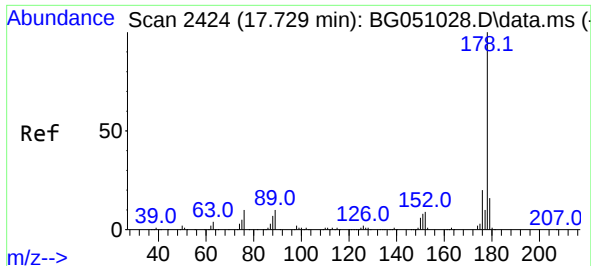
11/29/2021



#71
Phenanthrene
Concen: 33.127 ng
RT: 17.637 min Scan# 2408
Delta R.T. -0.004 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

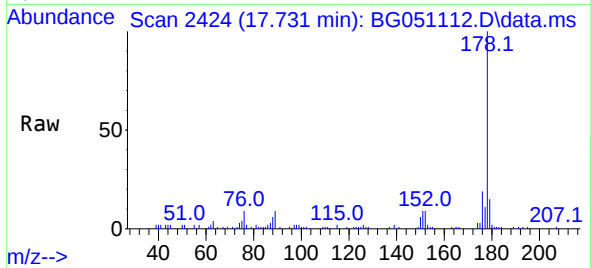
Tgt Ion:178 Resp: 363754
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.9 14.2 21.4





#72
 Anthracene
 Concen: 3.356 ng
 RT: 17.731 min Scan# 2424
 Delta R.T. 0.002 min
 Lab File: BG051112.D
 Acq: 18 Nov 2021 19:32

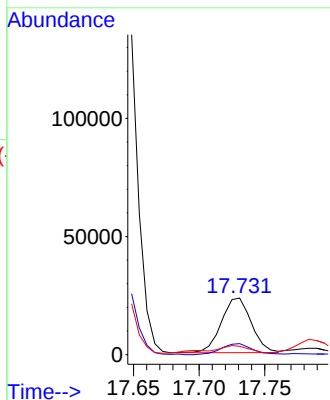
Instrument :
 BNA_G
 ClientSampleId :
 351



Tgt Ion:178 Resp: 36650
 Ion Ratio Lower Upper
 178 100
 176 19.5 14.6 21.8
 179 14.7 13.4 20.0

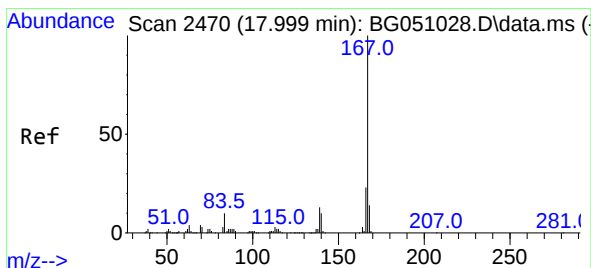
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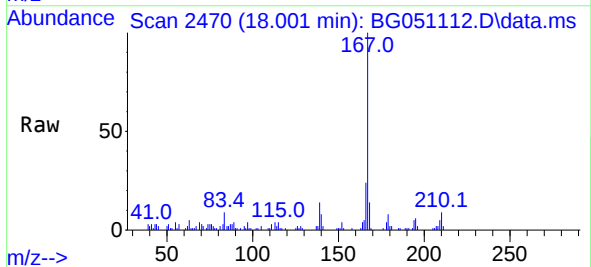


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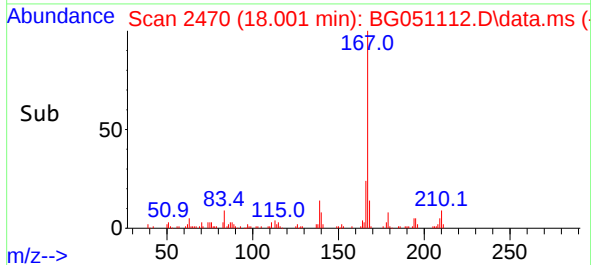
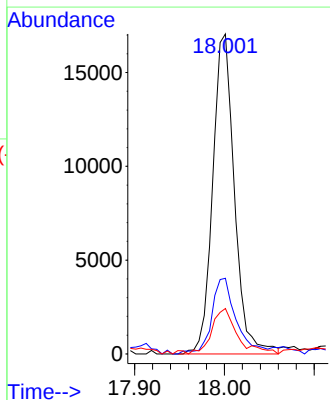
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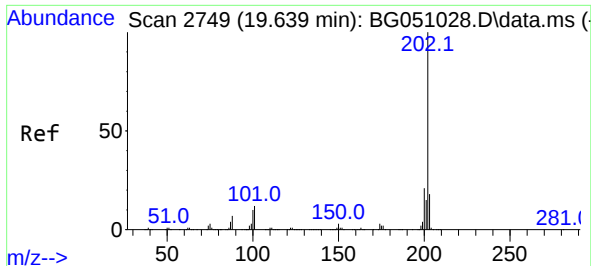


#73
 Carbazole
 Concen: 2.654 ng
 RT: 18.001 min Scan# 2470
 Delta R.T. 0.002 min
 Lab File: BG051112.D
 Acq: 18 Nov 2021 19:32



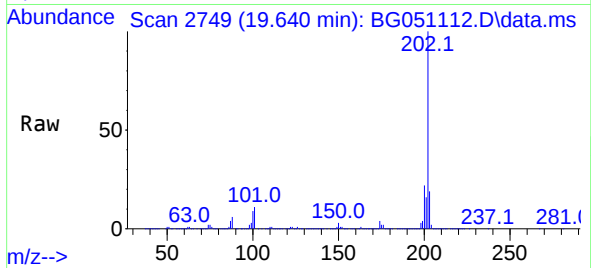
Tgt Ion:167 Resp: 28703
 Ion Ratio Lower Upper
 167 100
 166 23.6 17.4 26.2
 139 14.2 10.7 16.1





#75
Fluoranthene
Concen: 62.078 ng
RT: 19.640 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

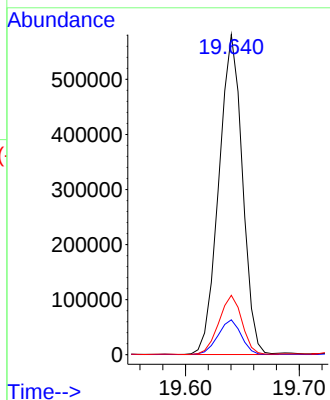
Instrument :
BNA_G
ClientSampleId :
351



Tgt Ion:202 Resp: 836289
Ion Ratio Lower Upper
202 100
101 10.9 0.0 24.7
203 18.5 0.0 38.5

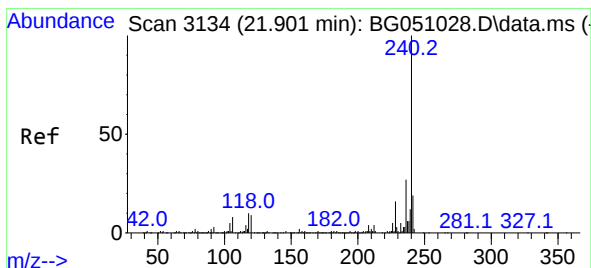
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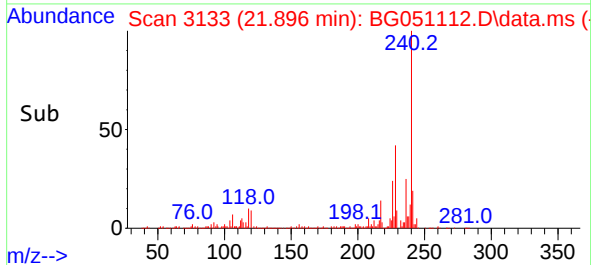
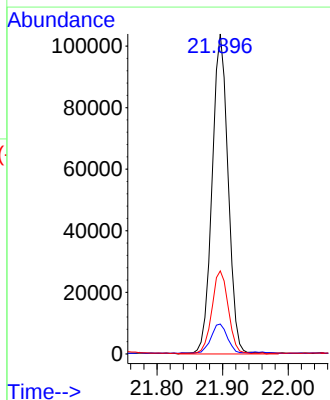
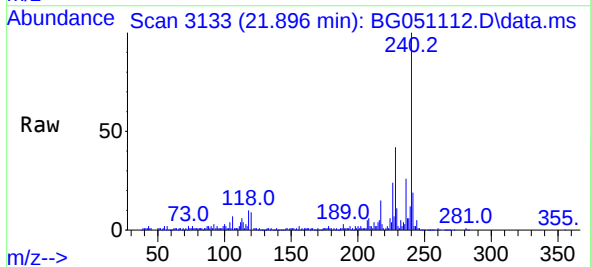
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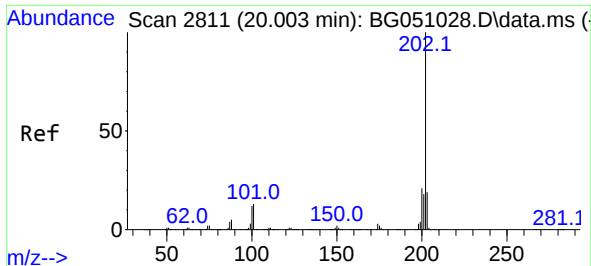
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.896 min Scan# 3133
Delta R.T. -0.004 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Tgt Ion:240 Resp: 176219
Ion Ratio Lower Upper
240 100
120 9.3 4.2 6.2#
236 25.9 21.8 32.6





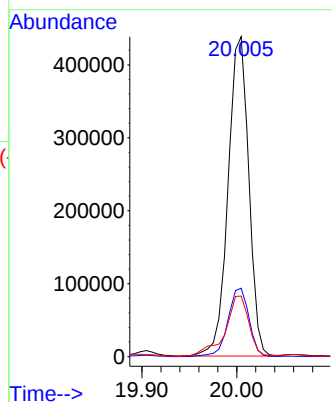
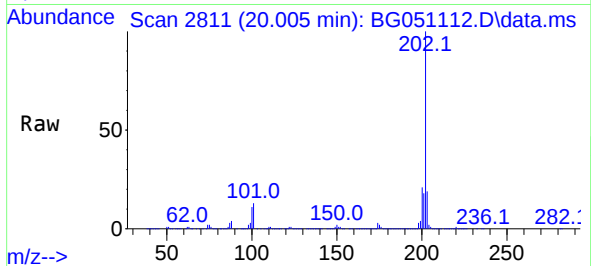
#78
Pyrene
Concen: 50.157 ng
RT: 20.005 min Scan# 2811
Delta R.T. 0.002 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Instrument :
BNA_G
ClientSampleId :
351

Tgt Ion:202 Resp: 663064
Ion Ratio Lower Upper
202 100
200 21.4 15.8 23.8
203 19.0 14.6 21.8

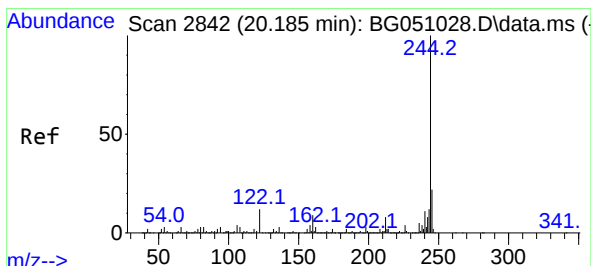
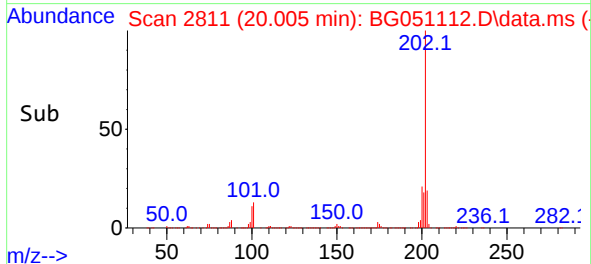
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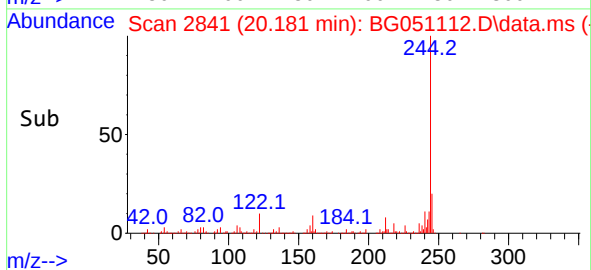
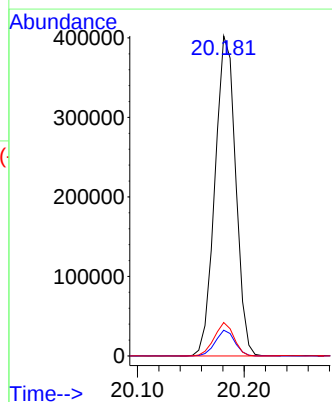
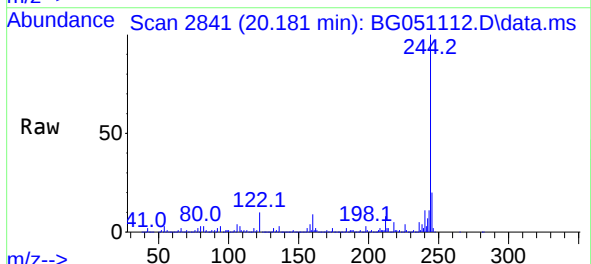
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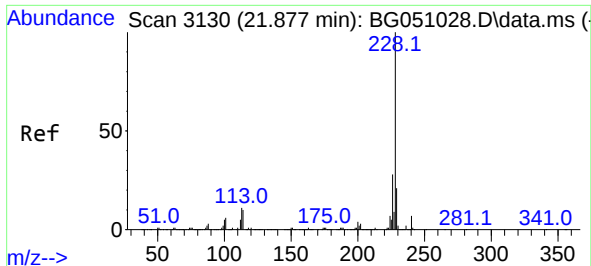
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#79
Terphenyl-d14
Concen: 58.513 ng
RT: 20.181 min Scan# 2841
Delta R.T. -0.004 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Tgt Ion:244 Resp: 541461
Ion Ratio Lower Upper
244 100
212 8.1 6.9 10.3
122 10.4 5.0 7.6#





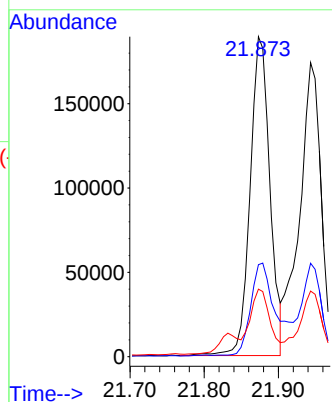
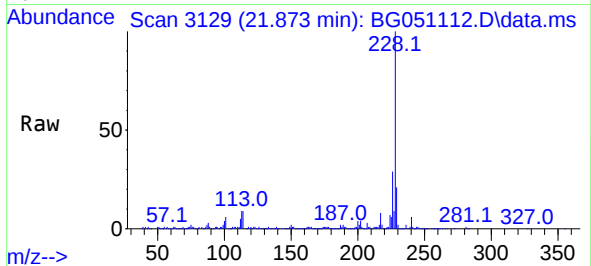
#81
Benzo(a)anthracene
Concen: 28.948 ng
RT: 21.873 min Scan# 311
Delta R.T. -0.004 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Instrument :
BNA_G
ClientSampleId :
351

Tgt Ion:228 Resp: 35026
Ion Ratio Lower Upper
228 100
226 28.7 22.7 34.1
229 21.1 16.0 24.0

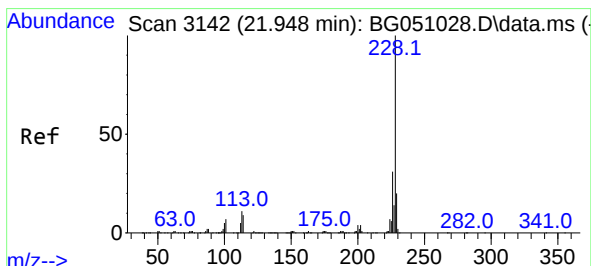
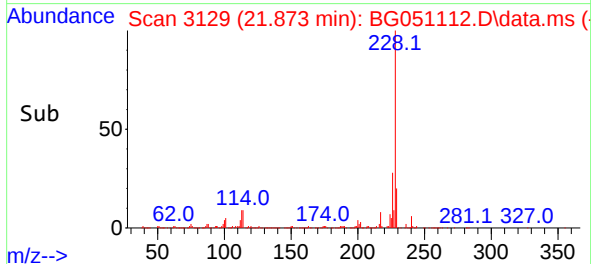
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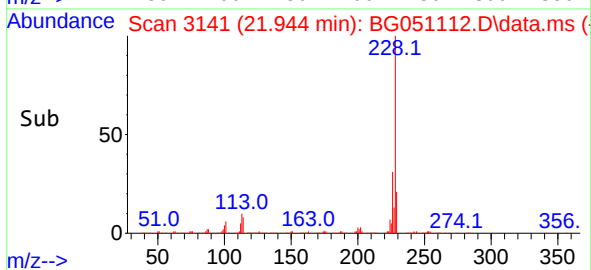
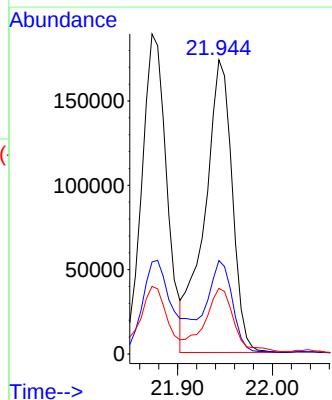
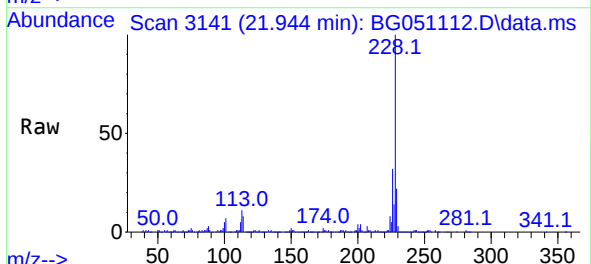
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ahmed

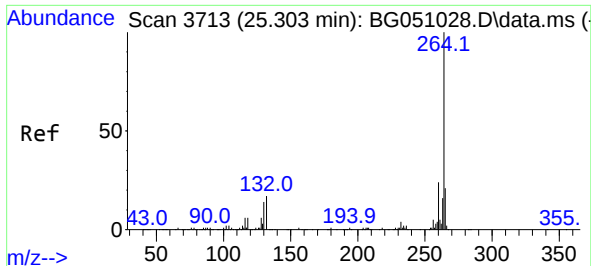
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#83
Chrysene
Concen: 30.912 ng
RT: 21.944 min Scan# 3141
Delta R.T. -0.004 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

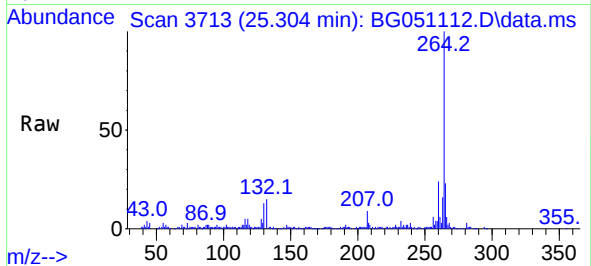
Tgt Ion:228 Resp: 352843
Ion Ratio Lower Upper
228 100
226 31.8 23.1 34.7
229 22.3 15.3 22.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.304 min Scan# 31
Delta R.T. 0.002 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

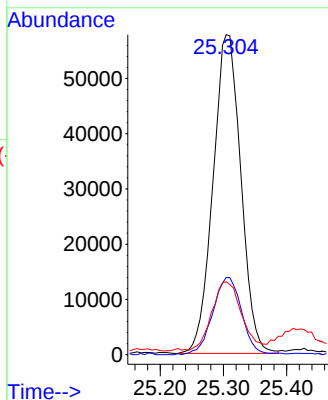
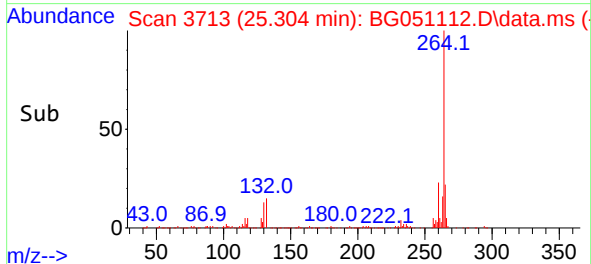
Instrument :
BNA_G
ClientSampleId :
351



Tgt Ion:264 Resp: 176410
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.2
265 22.8 16.9 25.3

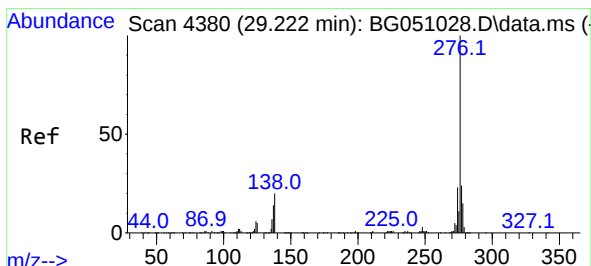
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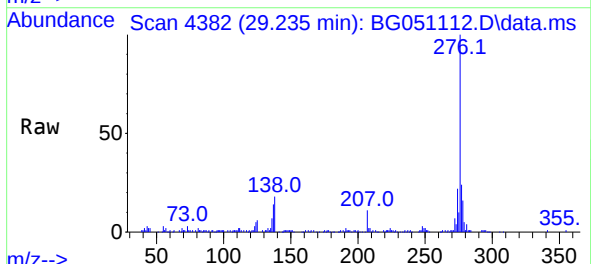


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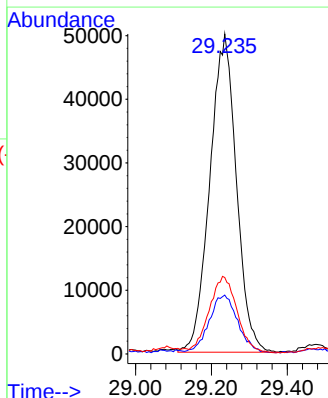
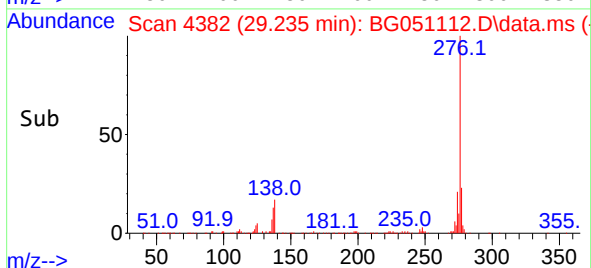
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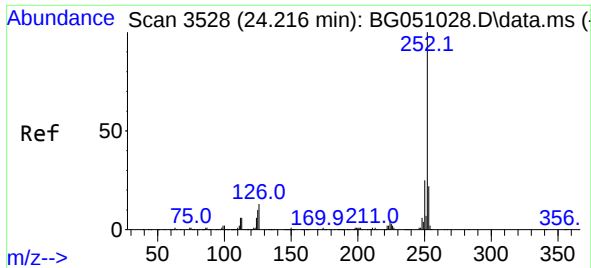


#87
Indeno(1,2,3-cd)pyrene
Concen: 19.387 ng
RT: 29.235 min Scan# 4382
Delta R.T. 0.013 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32



Tgt Ion:276 Resp: 242753
Ion Ratio Lower Upper
276 100
138 19.4 5.1 7.7#
277 25.3 19.8 29.6





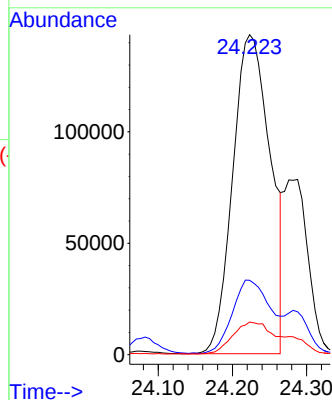
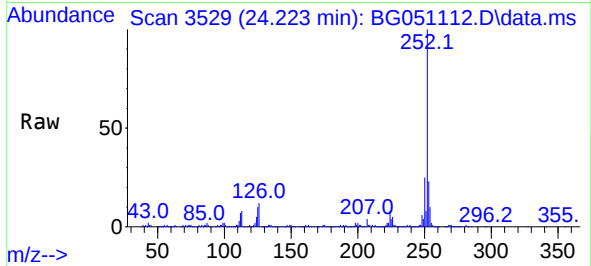
#88
Benzo(b)fluoranthene
Concen: 45.422 ng
RT: 24.223 min Scan# 3528
Delta R.T. 0.008 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Instrument :
BNA_G
ClientSampleId :
351

Tgt Ion:252 Resp: 50438
Ion Ratio Lower Upper
252 100
253 23.2 16.2 24.4
125 10.2 3.0 4.4

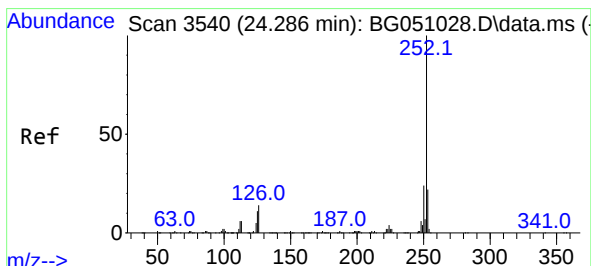
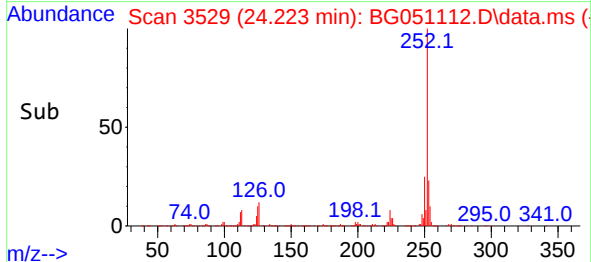
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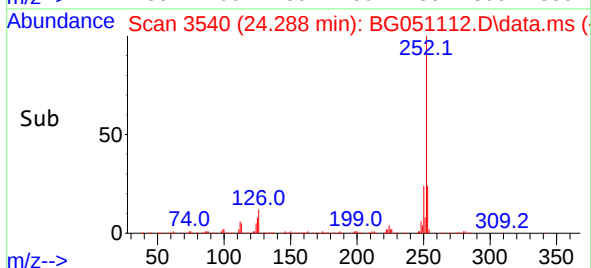
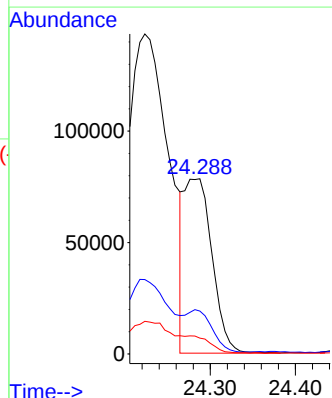
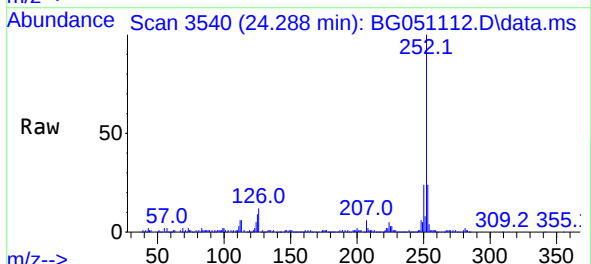
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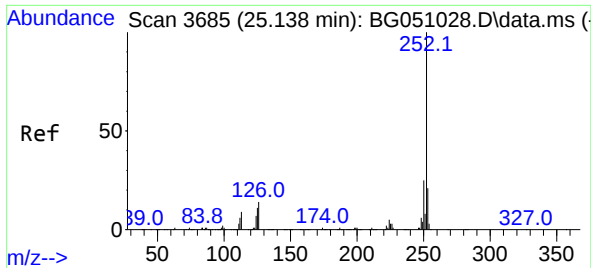
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#89
Benzo(k)fluoranthene
Concen: 15.999 ng m
RT: 24.288 min Scan# 3540
Delta R.T. 0.002 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Tgt Ion:252 Resp: 177193
Ion Ratio Lower Upper
252 100
253 24.5 18.0 27.0
125 9.0 3.1 4.7





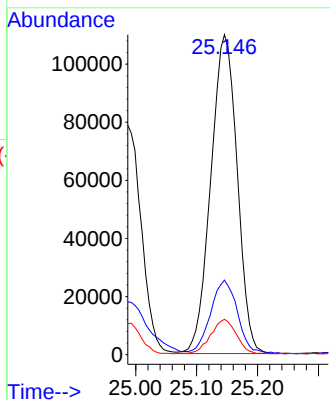
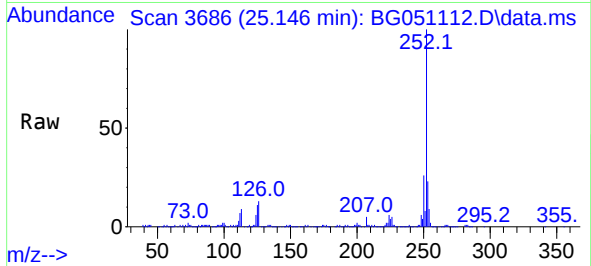
#90
Benzo(a)pyrene
Concen: 34.808 ng
RT: 25.146 min Scan# 30
Delta R.T. 0.008 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Instrument :
BNA_G
ClientSampleId :
351

Tgt Ion:252 Resp: 32998
Ion Ratio Lower Upper
252 100
253 23.3 16.6 25.0
125 11.0 3.5 5.3

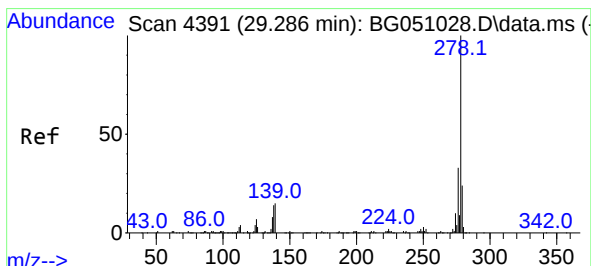
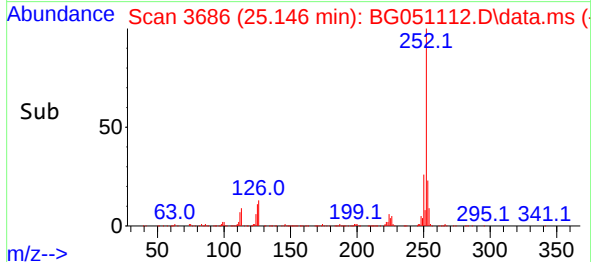
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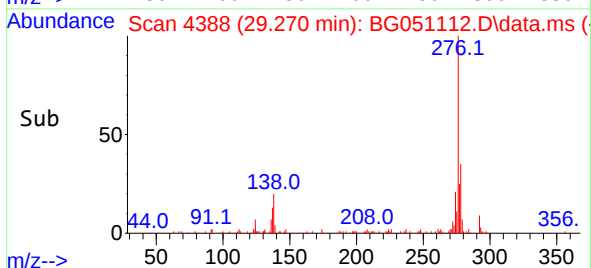
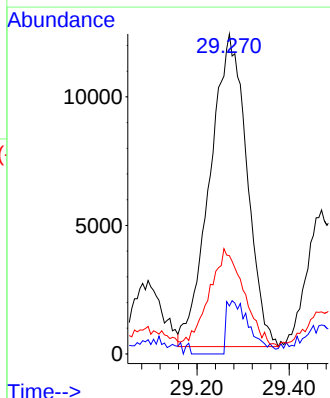
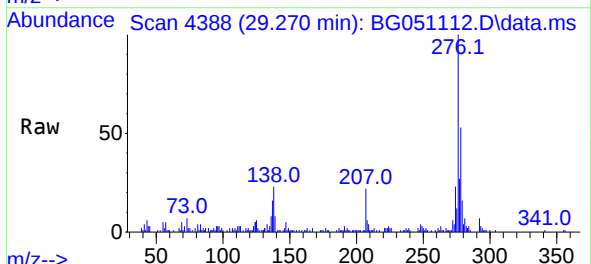
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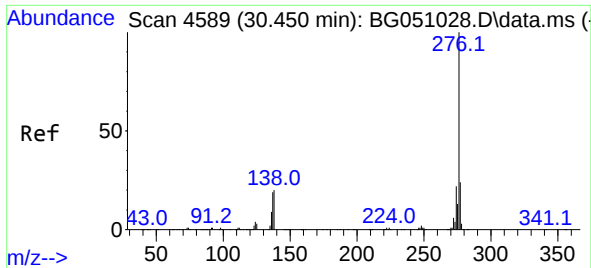
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#91
Dibenzo(a,h)anthracene
Concen: 6.570 ng
RT: 29.270 min Scan# 4388
Delta R.T. -0.016 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

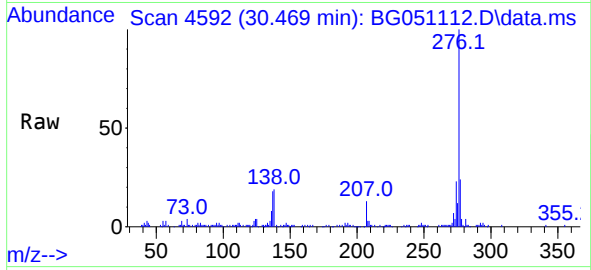
Tgt Ion:278 Resp: 67731
Ion Ratio Lower Upper
278 100
139 15.0 4.6 6.8#
279 30.7 17.9 26.9#





#92
 Benzo(g,h,i)perylene
 Concen: 20.410 ng
 RT: 30.469 min Scan# 41
 Delta R.T. 0.019 min
 Lab File: BG051112.D
 Acq: 18 Nov 2021 19:32

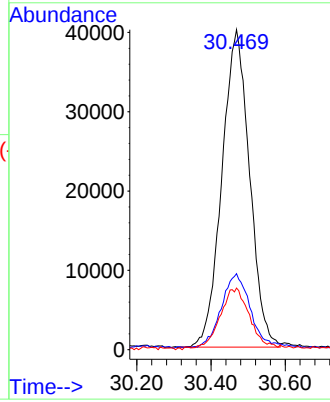
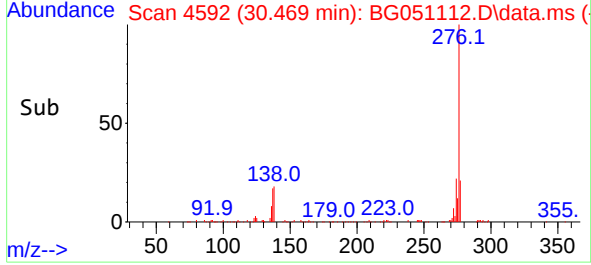
Instrument :
 BNA_G
 ClientSampleId :
 351



Tgt Ion:276 Resp: 207065
 Ion Ratio Lower Upper
 276 100
 277 23.8 18.4 27.6
 138 19.2 7.0 10.6

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