

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102922\
 Data File : BG055370.D
 Acq On : 29 Oct 2022 18:09
 Operator : CG/JU
 Sample : N5316-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE-NE-QUARTER

Quant Time: Oct 31 02:44:34 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 04:52:38 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 10/31/2022
 Supervised By :Jagrut Upadhyay 11/01/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.262	152	30023	20.000	ng	0.00
21) Naphthalene-d8	11.088	136	125206	20.000	ng	# 0.00
39) Acenaphthene-d10	14.872	164	85254	20.000	ng	0.00
64) Phenanthrene-d10	17.604	188	198466	20.000	ng	# 0.00
76) Chrysene-d12	21.881	240	195982	20.000	ng	0.00
86) Perylene-d12	25.271	264	210581	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.788	112	203040	118.415	ng	0.00
7) Phenol-d6	7.404	99	268129	107.937	ng	0.00
23) Nitrobenzene-d5	9.437	82	159621	65.099	ng	0.00
42) 2,4,6-Tribromophenol	16.352	330	129711	139.958	ng	0.00
45) 2-Fluorobiphenyl	13.503	172	384365	73.793	ng	0.00
79) Terphenyl-d14	20.183	244	656793	69.629	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.645	178	58668	5.543	ng	99
75) Fluoranthene	19.637	202	179077	14.520	ng	96
78) Pyrene	19.995	202	186115	13.855	ng	99
81) Benzo(a)anthracene	21.858	228	96100	7.302	ng	98
83) Chrysene	21.928	228	80302	6.424	ng	98
87) Indeno(1,2,3-cd)pyrene	29.167	276	64186	4.127	ng	97
88) Benzo(b)fluoranthene	24.190	252	103643	8.182	ng	96
89) Benzo(k)fluoranthene	24.249	252	39077m	3.055	ng	
90) Benzo(a)pyrene	25.107	252	87087	8.017	ng	98
92) Benzo(g,h,i)perylene	30.389	276	62753	4.957	ng	96

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

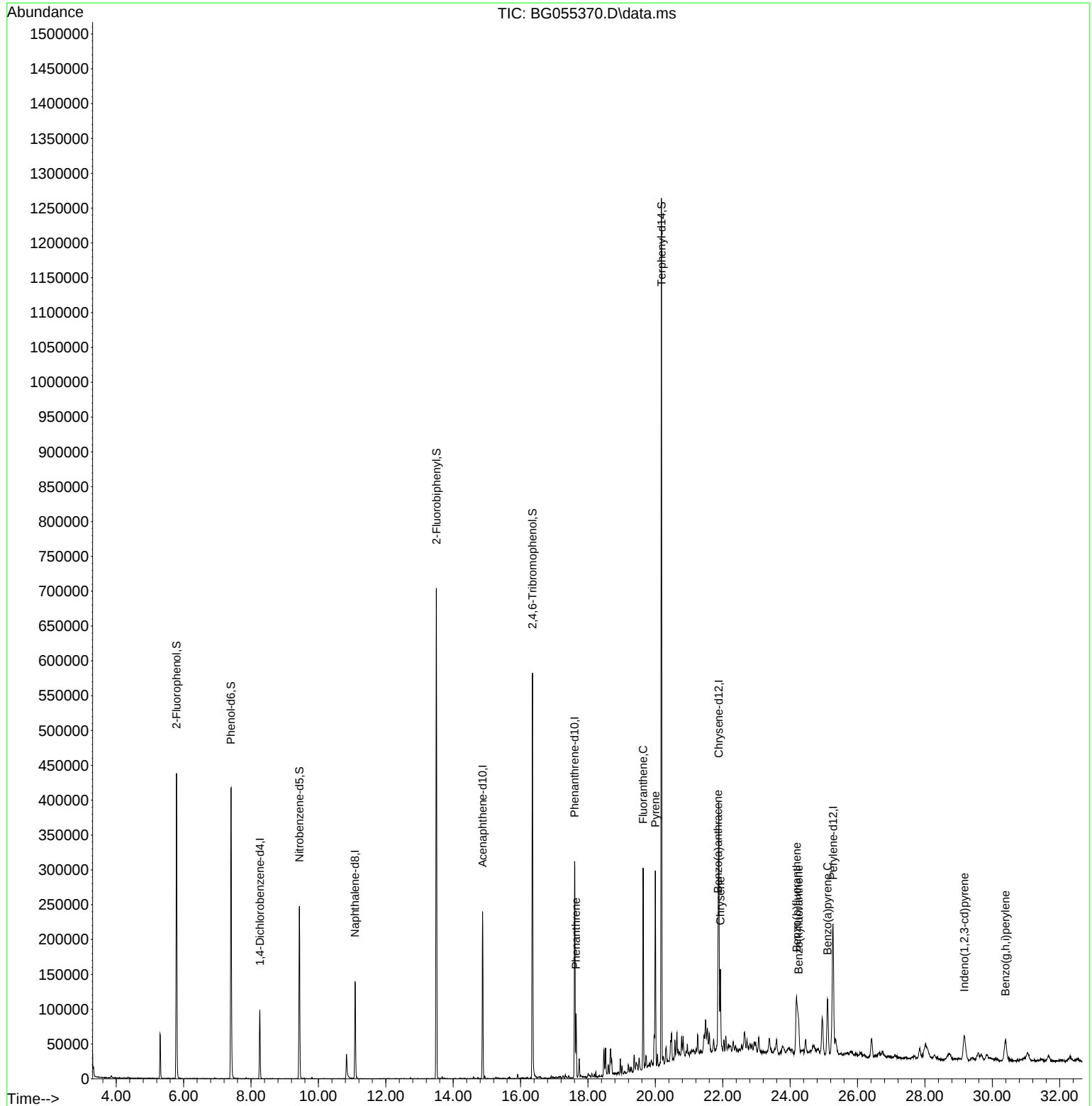
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102922\
Data File : BG055370.D
Acq On : 29 Oct 2022 18:09
Operator : CG/JU
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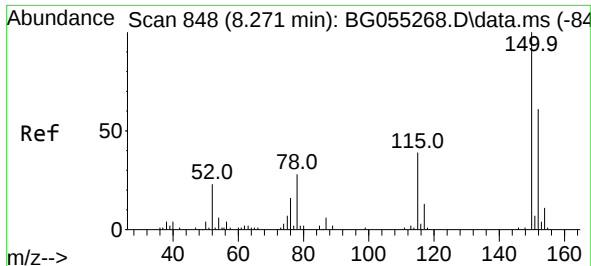
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-NE-QUARTER

Quant Time: Oct 31 02:44:34 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 29 04:52:38 2022
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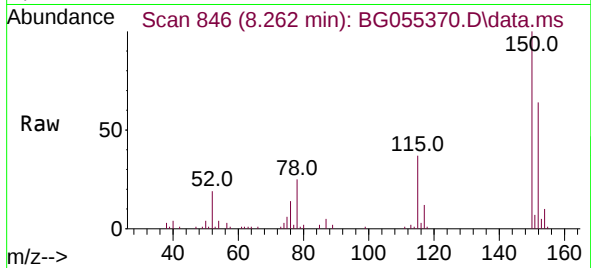
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.262 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

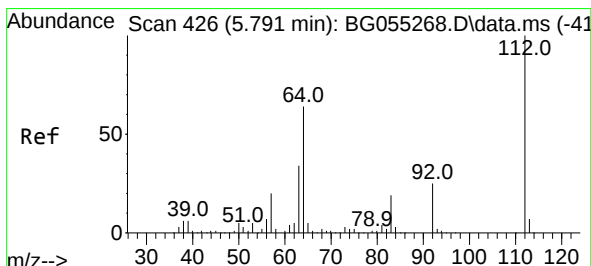
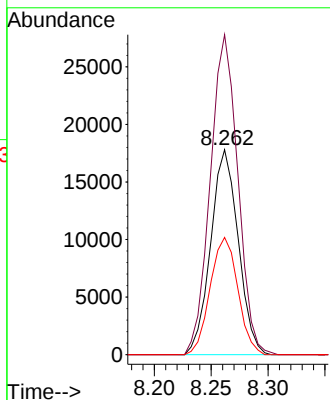
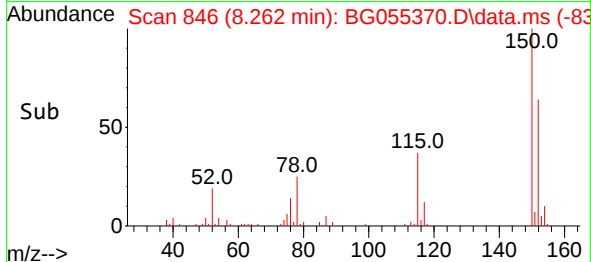
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-NE-QUARTER



Tgt Ion:152 Resp: 30023
Ion Ratio Lower Upper
152 100
150 156.2 118.2 177.4
115 57.2 44.5 66.7

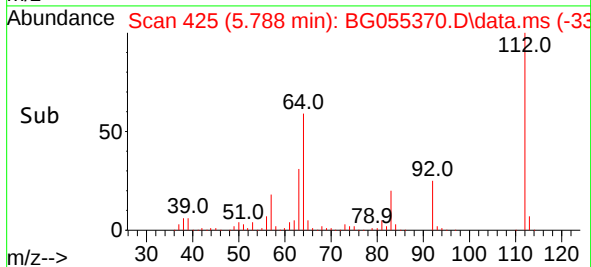
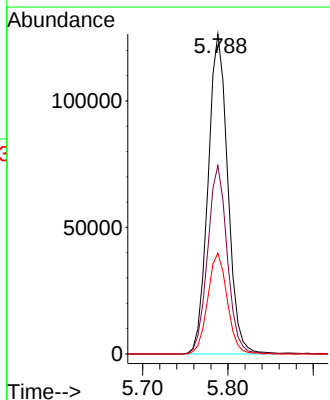
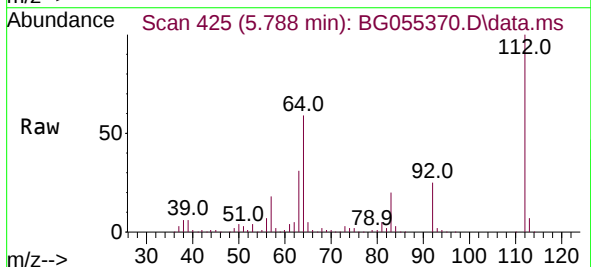
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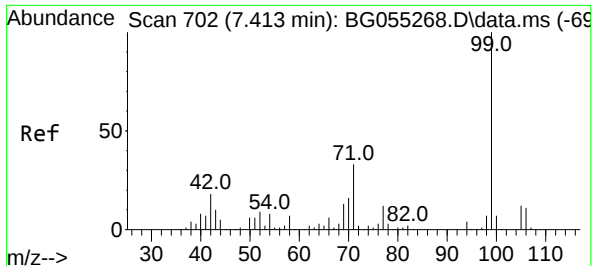
Reviewed By :Christian Giraldo 10/31/2022
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#5
2-Fluorophenol
Concen: 118.415 ng
RT: 5.788 min Scan# 425
Delta R.T. 0.003 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

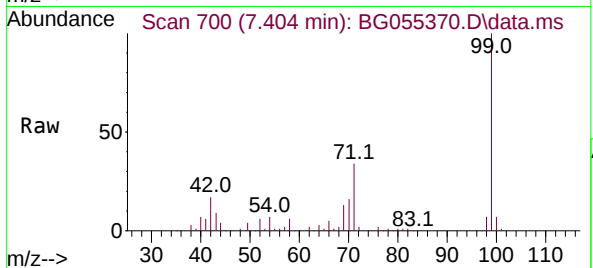
Tgt Ion:112 Resp: 203040
Ion Ratio Lower Upper
112 100
64 58.9 52.6 78.8
63 31.5 27.1 40.7





#7
Phenol-d6
Concen: 107.937 ng
RT: 7.404 min Scan# 702
Delta R.T. -0.009 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

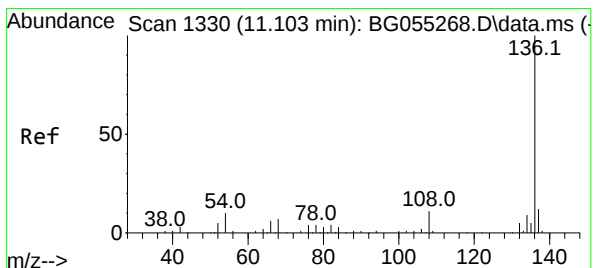
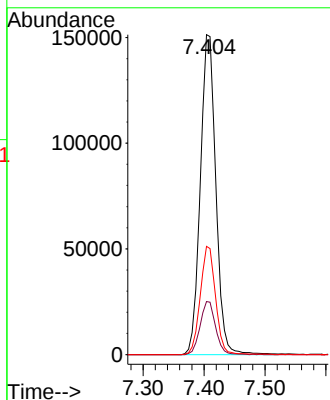
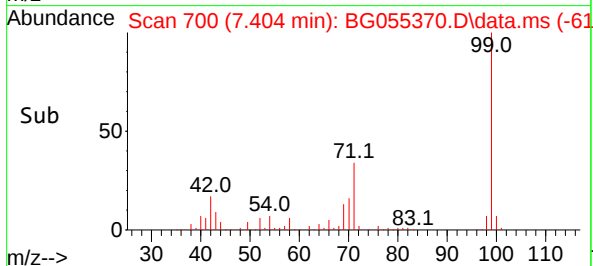
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-NE-QUARTER



Tgt Ion: 99 Resp: 268129
Ion Ratio Lower Upper
99 100
42 16.6 15.2 22.8
71 33.8 26.2 39.4

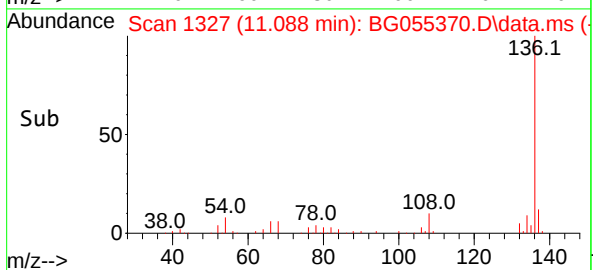
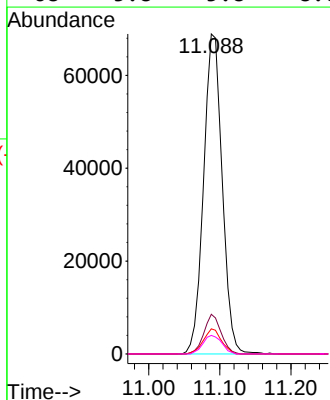
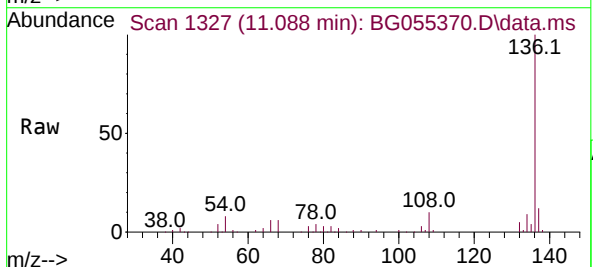
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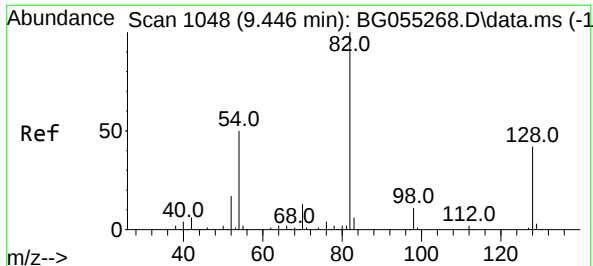
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.088 min Scan# 1327
Delta R.T. -0.009 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

Tgt Ion:136 Resp: 125206
Ion Ratio Lower Upper
136 100
137 12.4 9.2 13.8
54 7.8 7.8 11.8#
68 5.8 5.8 8.6#





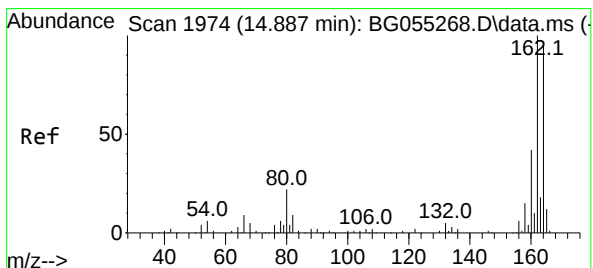
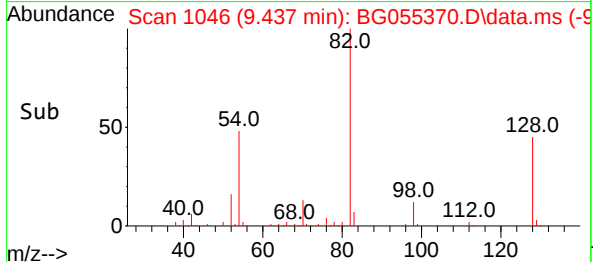
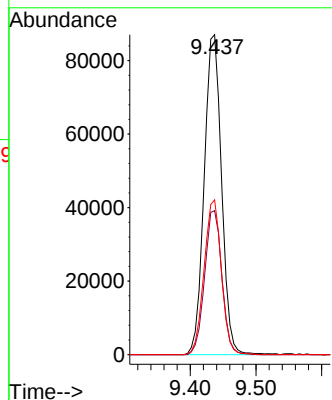
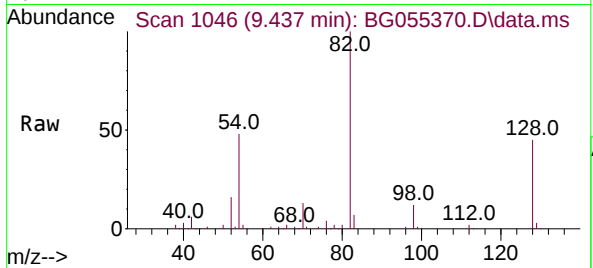
#23
Nitrobenzene-d5
Concen: 65.099 ng
RT: 9.437 min Scan# 1046
Delta R.T. -0.003 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

Instrument :
BNA_G
ClientSampleId :
COMPOSITE-NE-QUARTER

Tgt Ion: 82 Resp: 15962
Ion Ratio Lower Upper
82 100
128 45.0 32.0 48.0
54 48.4 40.9 61.3

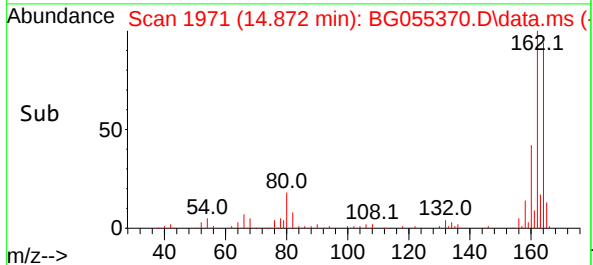
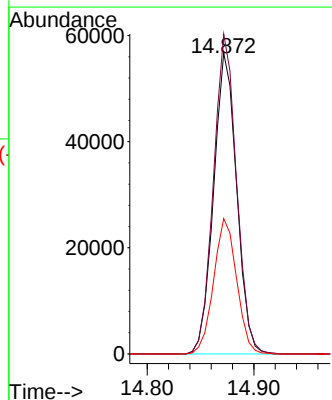
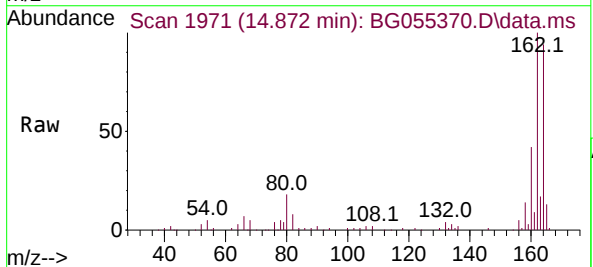
Manual Integrations
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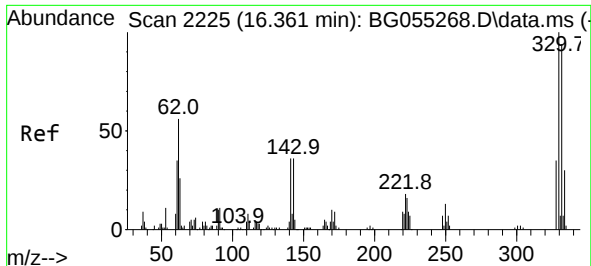
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.872 min Scan# 1971
Delta R.T. -0.009 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

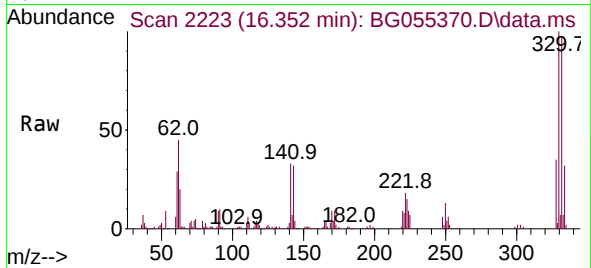
Tgt Ion:164 Resp: 85254
Ion Ratio Lower Upper
164 100
162 106.4 84.0 126.0
160 45.0 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 139.958 ng
RT: 16.352 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

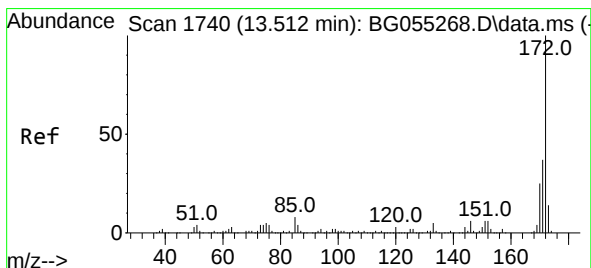
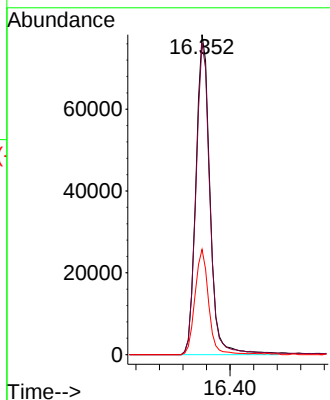
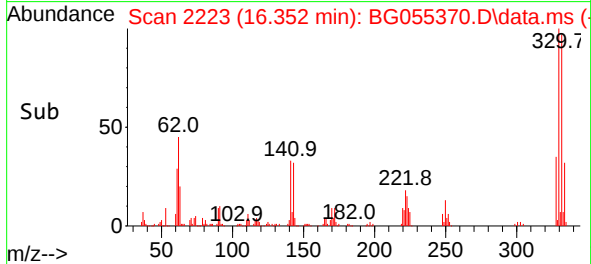
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-NE-QUARTER



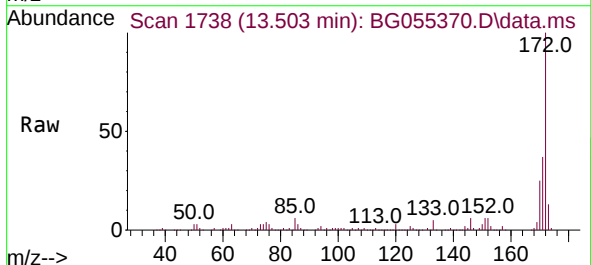
Tgt Ion:330 Resp: 129711
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.0
141 31.6 29.8 44.8

Manual Integrations
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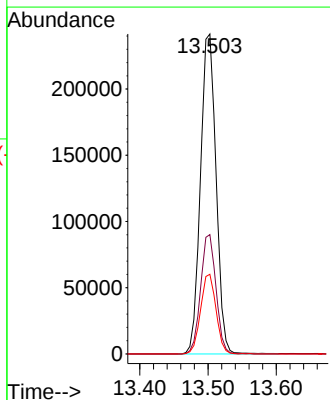
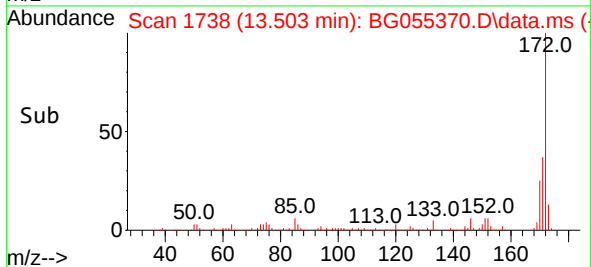
Reviewed By :Christian Giraldo 10/31/2022
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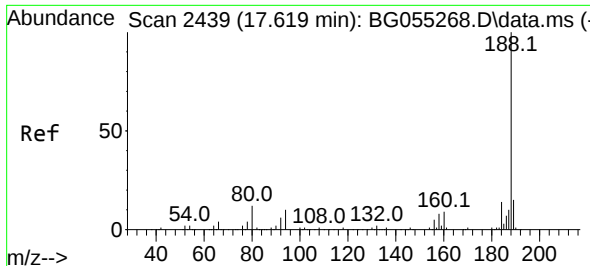


#45
2-Fluorobiphenyl
Concen: 73.793 ng
RT: 13.503 min Scan# 1738
Delta R.T. -0.009 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09



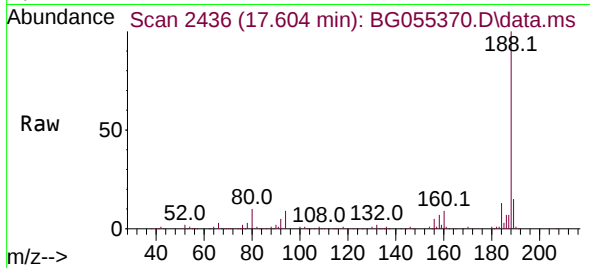
Tgt Ion:172 Resp: 384365
Ion Ratio Lower Upper
172 100
171 37.3 29.7 44.5
170 24.9 20.2 30.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.604 min Scan# 2436
Delta R.T. -0.009 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

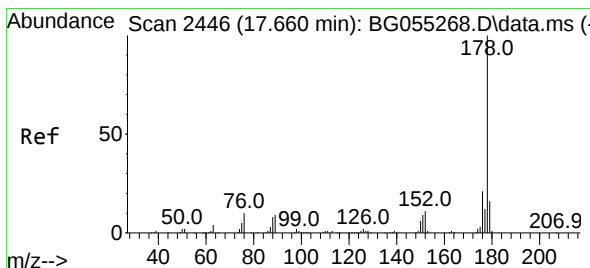
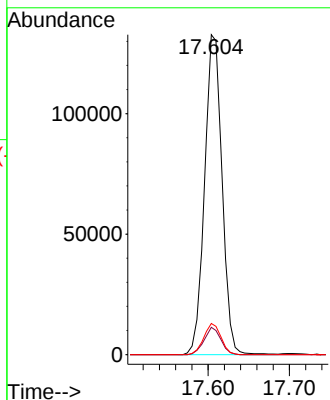
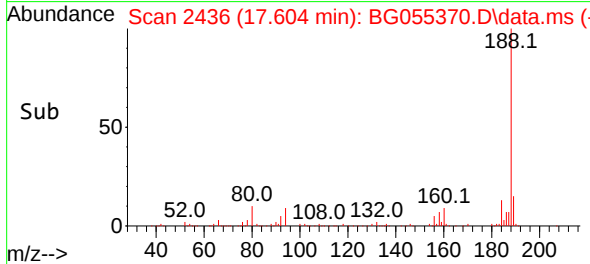
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-NE-QUARTER



Tgt Ion:188 Resp: 198466
Ion Ratio Lower Upper
188 100
94 8.5 8.2 12.4
80 9.7 10.1 15.1

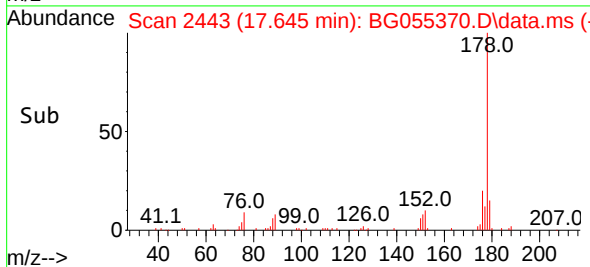
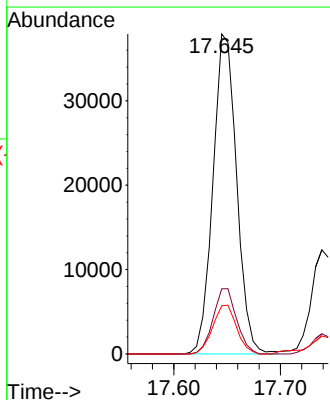
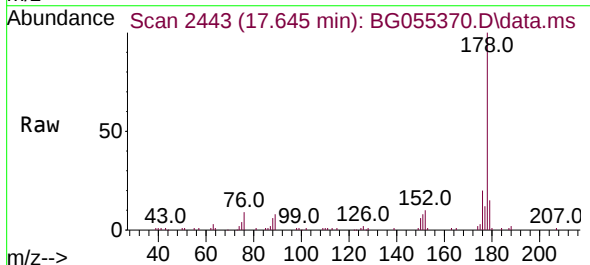
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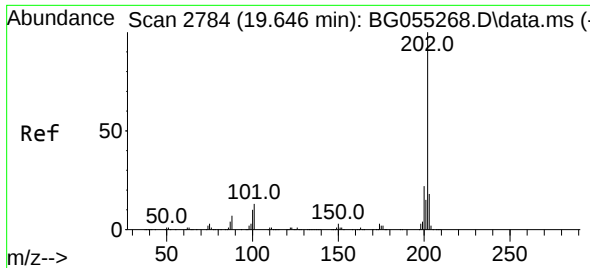
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#71
Phenanthrene
Concen: 5.543 ng
RT: 17.645 min Scan# 2443
Delta R.T. -0.015 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

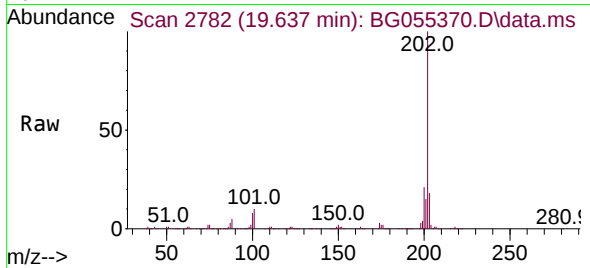
Tgt Ion:178 Resp: 58668
Ion Ratio Lower Upper
178 100
176 20.3 16.0 24.0
179 15.0 12.6 19.0





#75
Fluoranthene
Concen: 14.520 ng
RT: 19.637 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

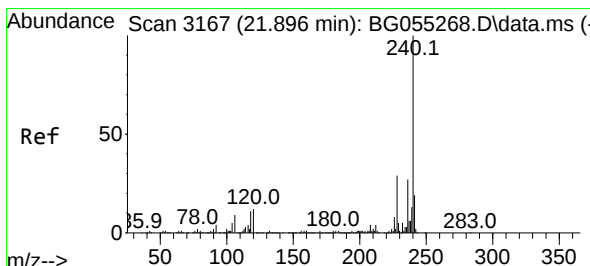
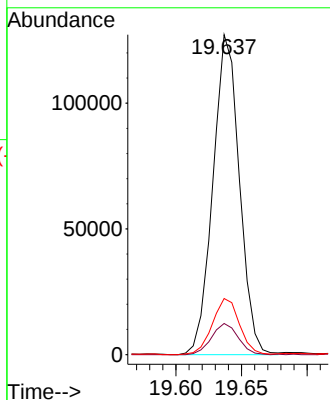
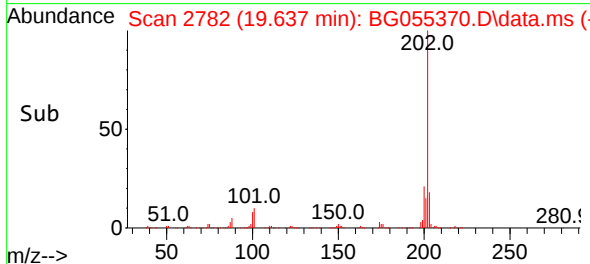
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-NE-QUARTER



Tgt Ion:202 Resp: 17907
Ion Ratio Lower Upper
202 100
101 9.7 0.0 32.6
203 17.5 0.0 38.3

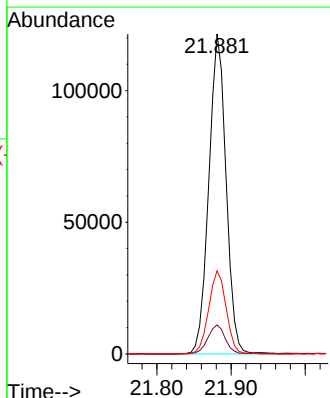
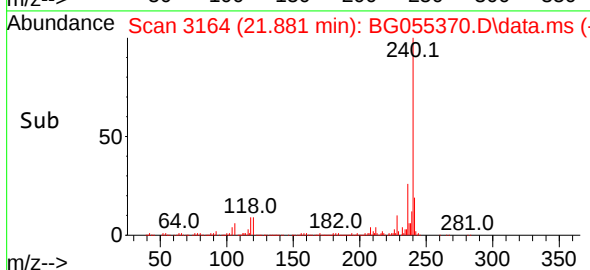
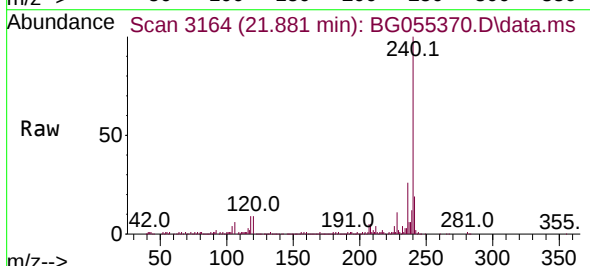
Manual Integrations
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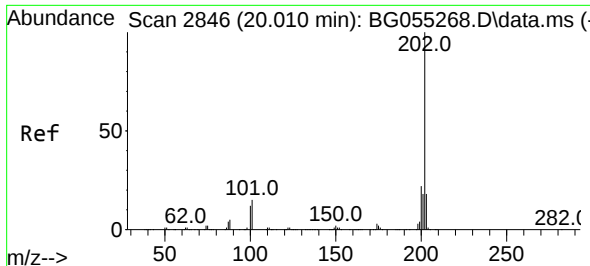
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.881 min Scan# 3164
Delta R.T. -0.009 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

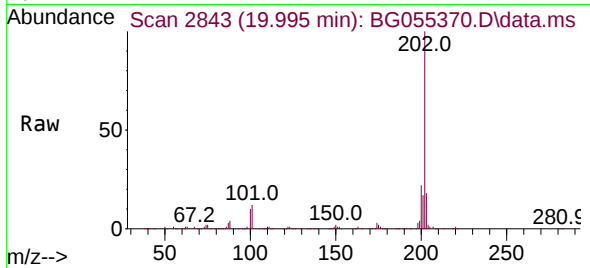
Tgt Ion:240 Resp: 195982
Ion Ratio Lower Upper
240 100
120 9.1 8.9 13.3
236 26.0 21.0 31.4





#78
Pyrene
Concen: 13.855 ng
RT: 19.995 min Scan# 2846
Delta R.T. -0.009 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

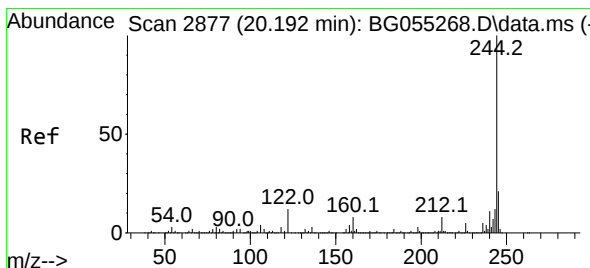
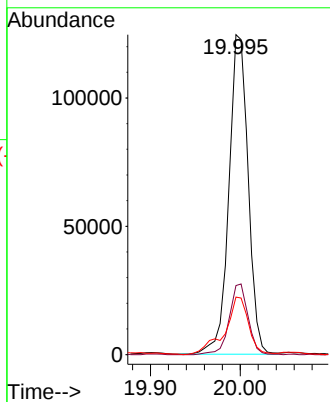
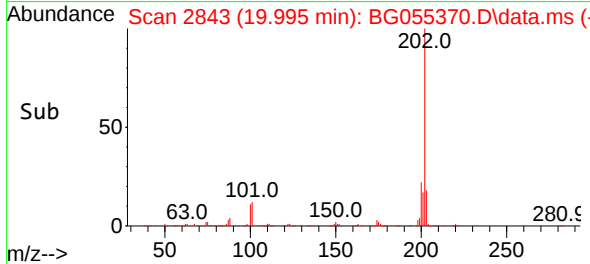
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-NE-QUARTER



Tgt Ion:202 Resp: 186115
Ion Ratio Lower Upper
202 100
200 21.6 18.0 27.0
203 18.0 14.3 21.5

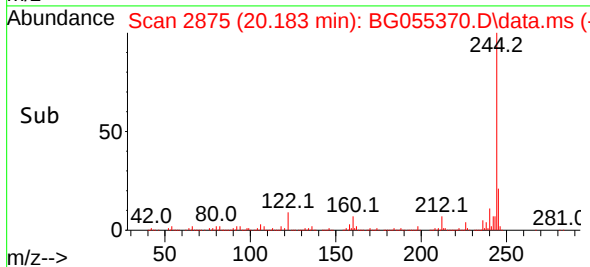
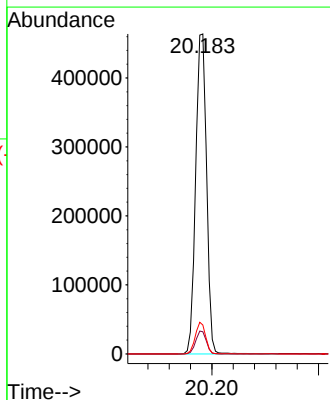
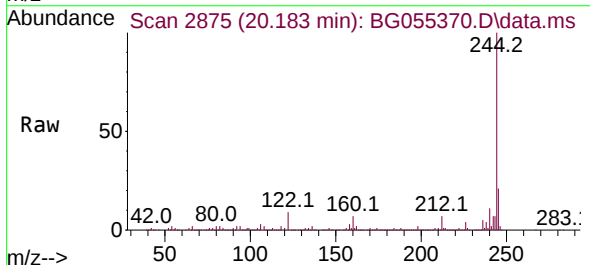
Manual Integrations
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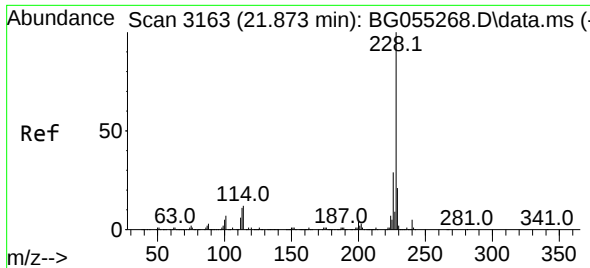
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#79
Terphenyl-d14
Concen: 69.629 ng
RT: 20.183 min Scan# 2875
Delta R.T. -0.003 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

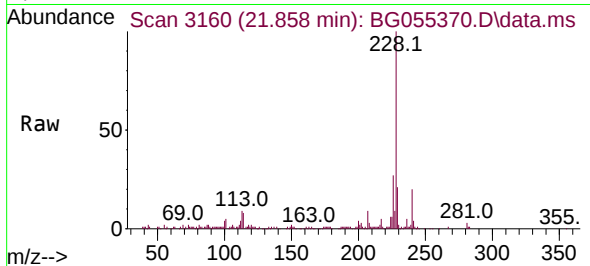
Tgt Ion:244 Resp: 656793
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 9.0 9.6 14.4#





#81
Benzo(a)anthracene
Concen: 7.302 ng
RT: 21.858 min Scan# 3160
Delta R.T. -0.015 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

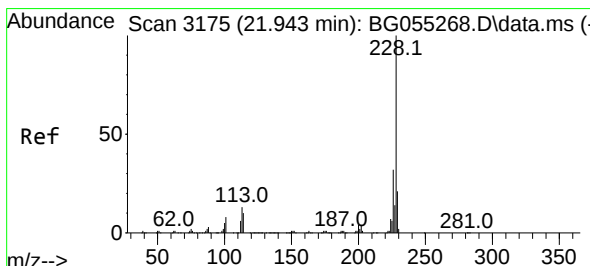
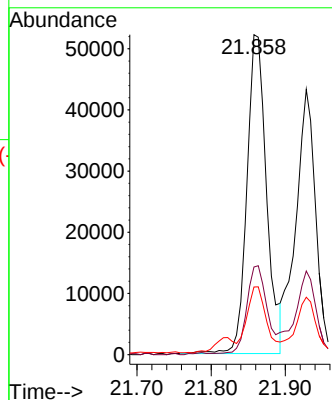
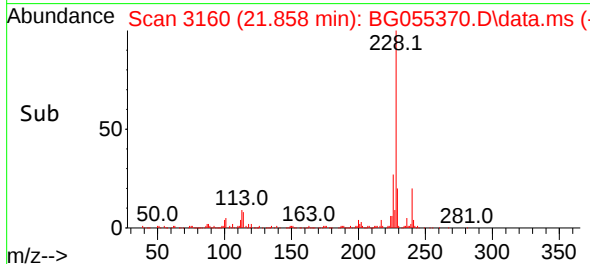
Instrument : BNA_G
ClientSampleId : COMPOSITE-NE-QUARTER



Tgt Ion:228 Resp: 96100
Ion Ratio Lower Upper
228 100
226 27.4 22.9 34.3
229 21.1 16.7 25.1

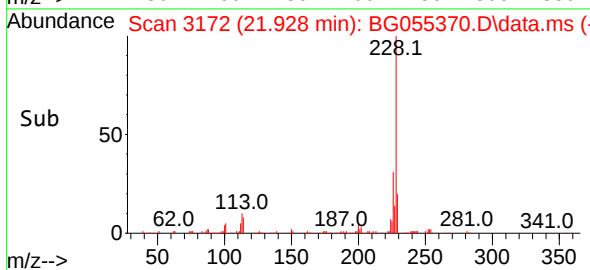
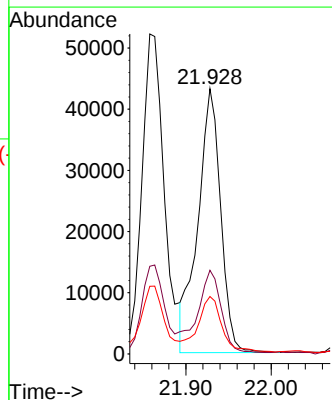
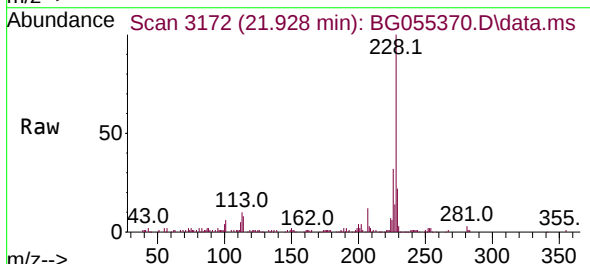
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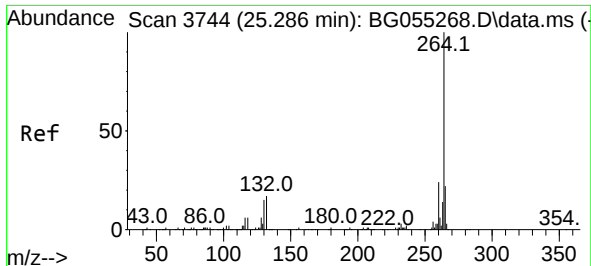
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#83
Chrysene
Concen: 6.424 ng
RT: 21.928 min Scan# 3172
Delta R.T. -0.015 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

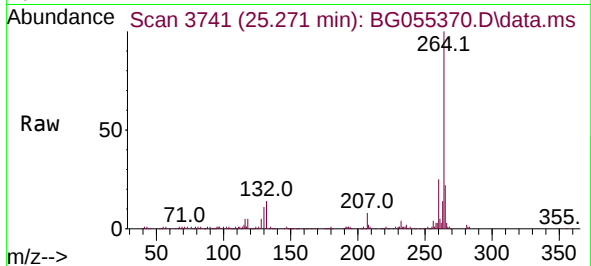
Tgt Ion:228 Resp: 80302
Ion Ratio Lower Upper
228 100
226 31.5 25.8 38.8
229 21.6 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.271 min Scan# 31
Delta R.T. -0.015 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

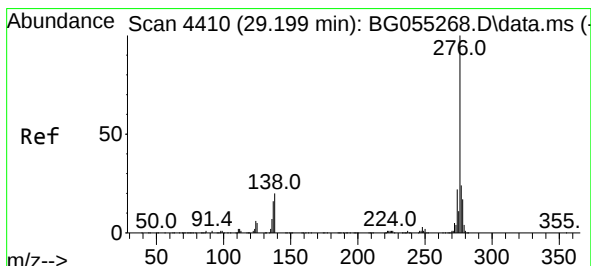
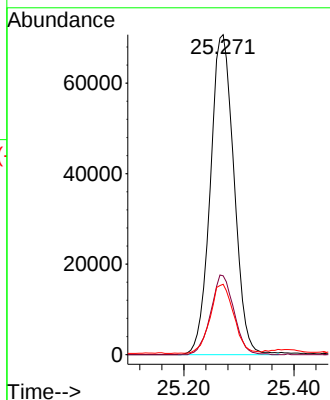
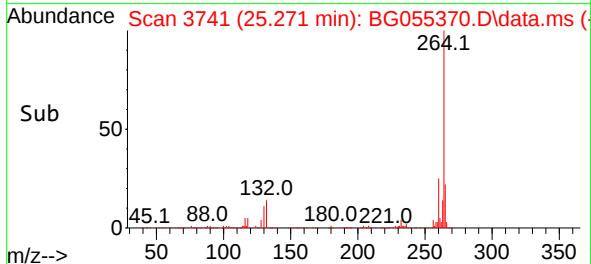
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-NE-QUARTER



Tgt Ion:264 Resp: 21058
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 22.0 17.4 26.2

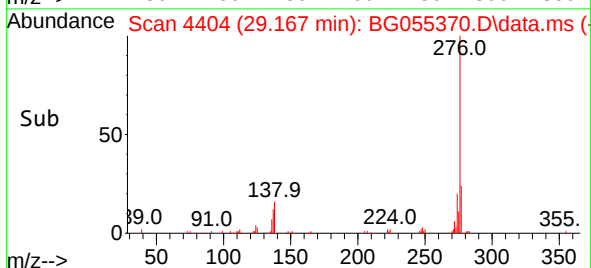
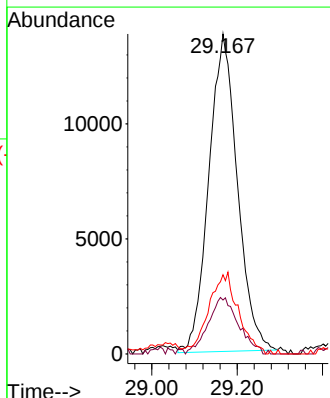
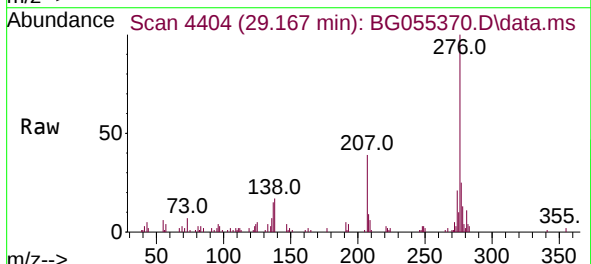
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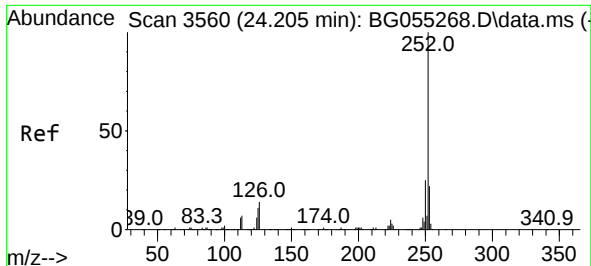
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.127 ng
RT: 29.167 min Scan# 4404
Delta R.T. -0.038 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

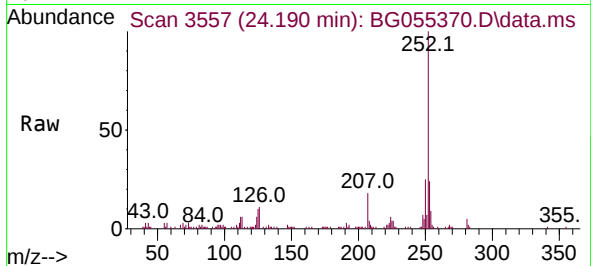
Tgt Ion:276 Resp: 64186
Ion Ratio Lower Upper
276 100
138 18.9 13.9 20.9
277 26.6 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 8.182 ng
RT: 24.190 min Scan# 3557
Delta R.T. -0.009 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

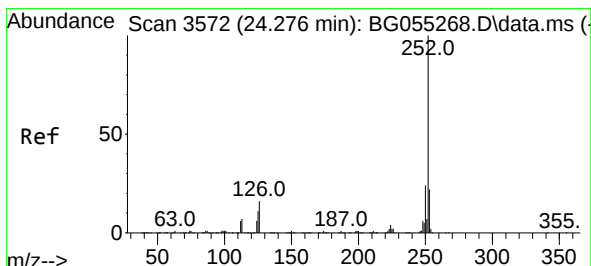
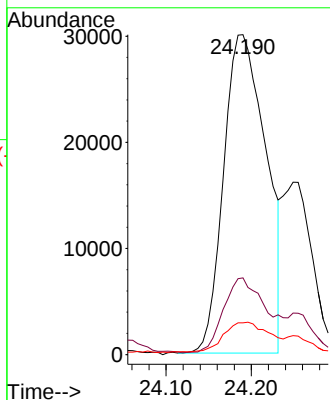
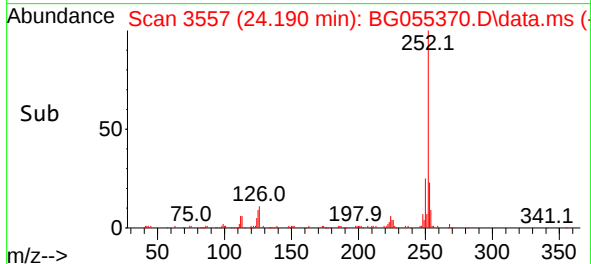
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-NE-QUARTER



Tgt Ion:252 Resp: 103643
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 9.9 9.0 13.4

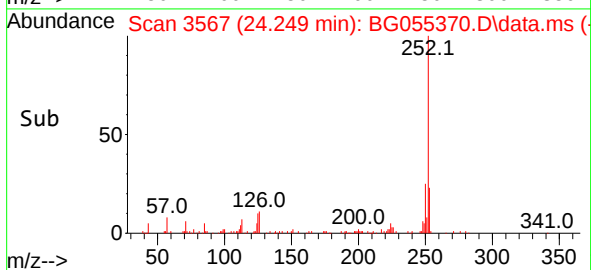
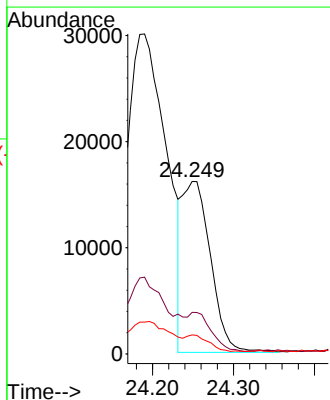
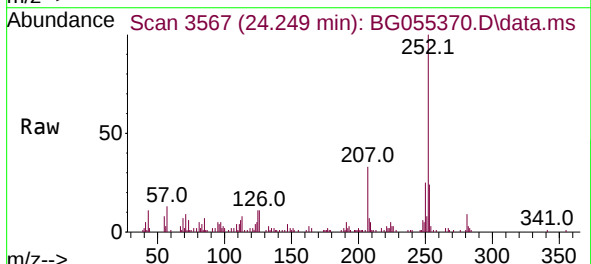
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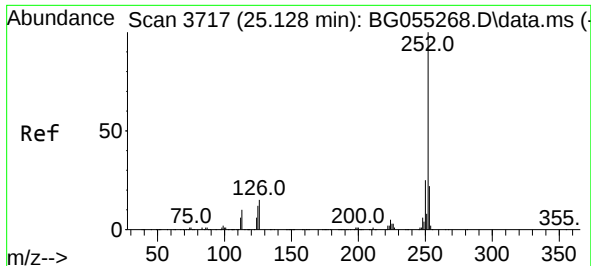
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#89
Benzo(k)fluoranthene
Concen: 3.055 ng m
RT: 24.249 min Scan# 3567
Delta R.T. -0.027 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

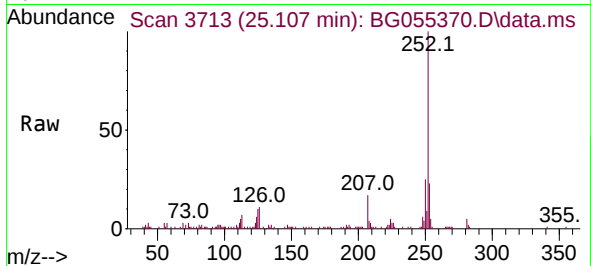
Tgt Ion:252 Resp: 39077
Ion Ratio Lower Upper
252 100
253 24.1 18.6 27.8
125 11.0 9.1 13.7





#90
Benzo(a)pyrene
Concen: 8.017 ng
RT: 25.107 min Scan# 31
Delta R.T. -0.021 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

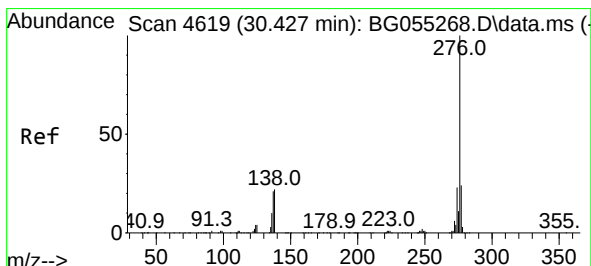
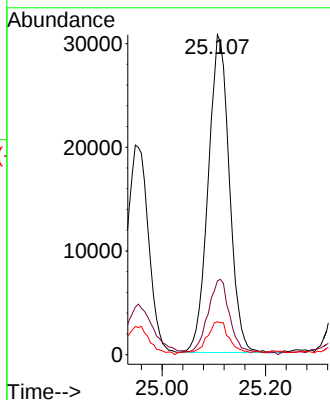
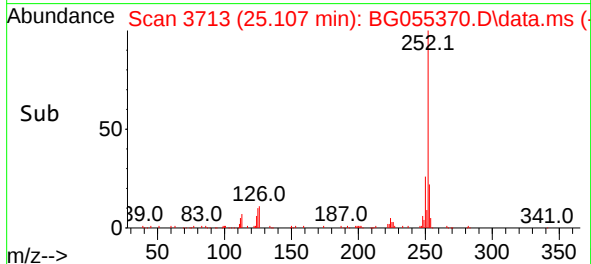
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-NE-QUARTER



Tgt Ion:252 Resp: 8708
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.2
125 10.2 9.8 14.8

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Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#92
Benzo(g,h,i)perylene
Concen: 4.957 ng
RT: 30.389 min Scan# 4612
Delta R.T. -0.050 min
Lab File: BG055370.D
Acq: 29 Oct 2022 18:09

Tgt Ion:276 Resp: 62753
Ion Ratio Lower Upper
276 100
277 24.0 19.1 28.7
138 17.7 17.2 25.8

