

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080122\
 Data File : BG054465.D
 Acq On : 1 Aug 2022 15:17
 Operator : CG/JU
 Sample : N3894-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-30

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/02/2022
 Supervised By : Jagrut Upadhyay 08/02/2022

Quant Time: Aug 02 05:45:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.984	152	15816	20.000	ng	0.00
21) Naphthalene-d8	10.792	136	60369	20.000	ng	# 0.00
39) Acenaphthene-d10	14.623	164	52024	20.000	ng	0.00
64) Phenanthrene-d10	17.367	188	142030	20.000	ng	# 0.00
76) Chrysene-d12	21.633	240	159559	20.000	ng	# 0.00
86) Perylene-d12	24.841	264	169162	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	80683	106.510	ng	0.00
7) Phenol-d6	7.173	99	111072	107.008	ng	0.00
23) Nitrobenzene-d5	9.147	82	72807	65.677	ng	0.00
42) 2,4,6-Tribromophenol	16.116	330	120645	110.449	ng	0.00
45) 2-Fluorobiphenyl	13.243	172	236027	64.002	ng	0.00
79) Terphenyl-d14	19.976	244	572300	71.154	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.408	178	21997	3.110	ng	97
75) Fluoranthene	19.424	202	86130	8.933	ng	96
78) Pyrene	19.782	202	87784	9.588	ng	99
81) Benzo(a)anthracene	21.615	228	68953	6.808	ng	97
83) Chrysene	21.680	228	70649m	7.383	ng	
87) Indeno(1,2,3-cd)pyrene	28.501	276	62014	4.819	ng	# 98
88) Benzo(b)fluoranthene	23.818	252	116235	11.619	ng	98
89) Benzo(k)fluoranthene	23.883	252	28604m	2.873	ng	
90) Benzo(a)pyrene	24.688	252	75347	8.819	ng	99
92) Benzo(g,h,i)perylene	29.647	276	62811	6.014	ng	# 92

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

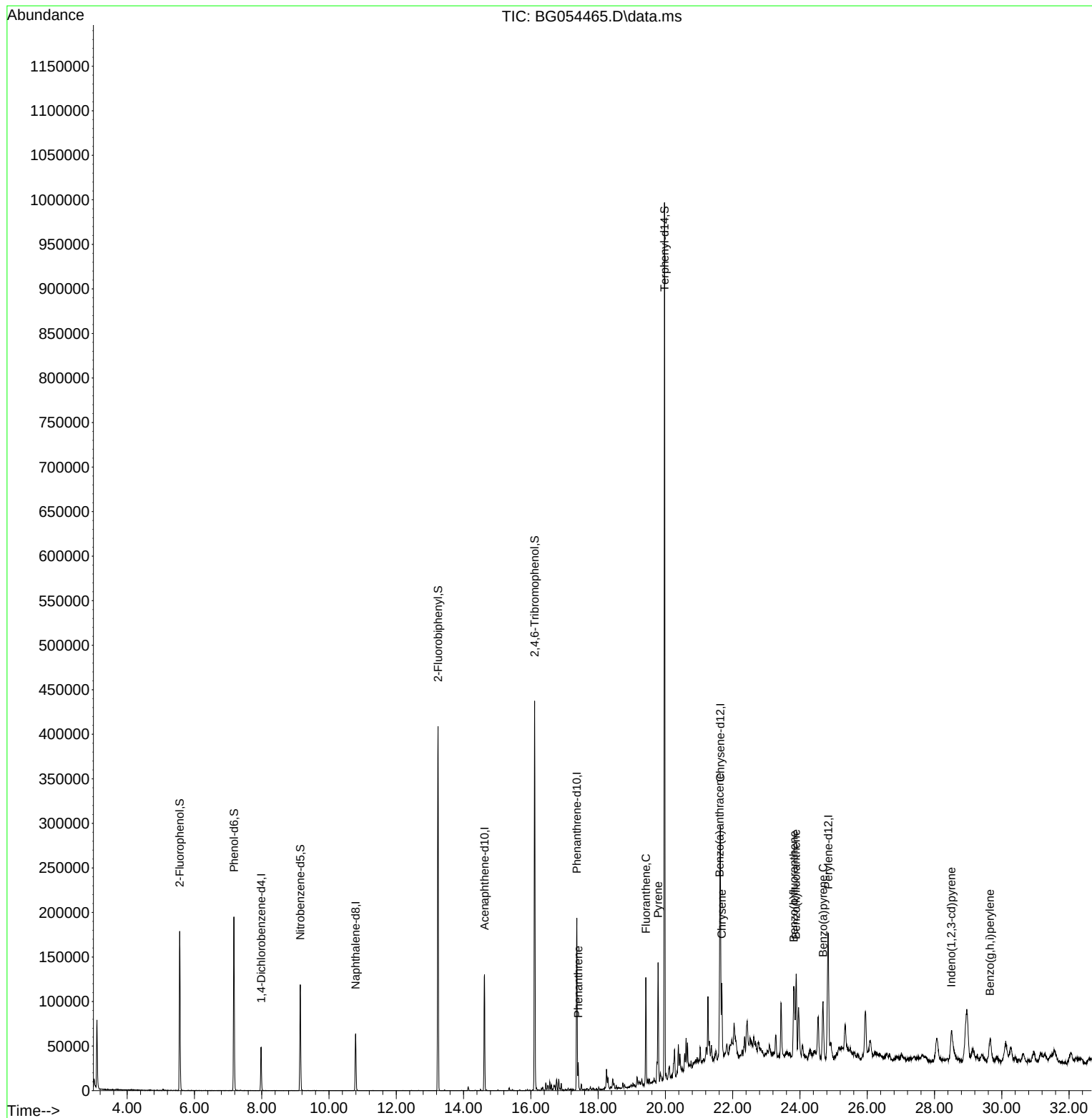
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080122\
Data File : BG054465.D
Acq On : 1 Aug 2022 15:17
Operator : CG/JU
Sample : N3894-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

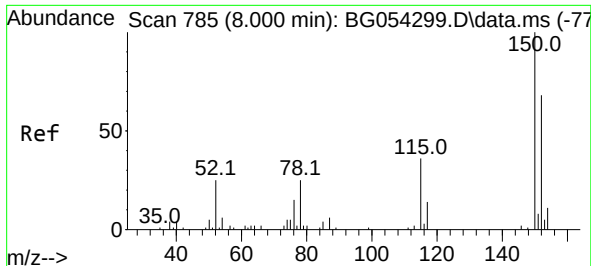
Instrument :
BNA_G
ClientSampleId :
RVE-30

Quant Time: Aug 02 05:45:48 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 04:30:50 2022
Response via : Initial Calibration

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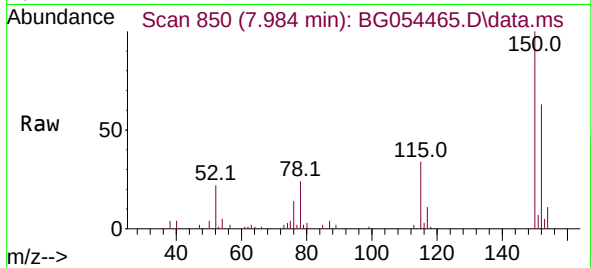
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.984 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

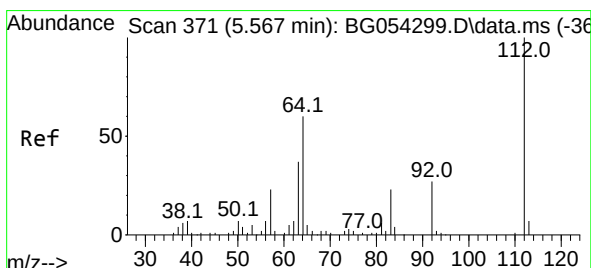
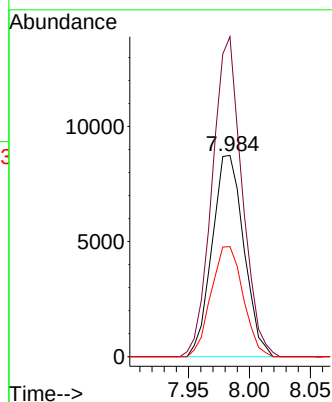
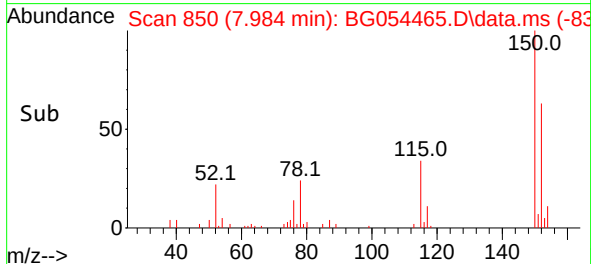
Instrument :
BNA_G
ClientSampleId :
RVE-30



Tgt Ion:152 Resp: 15816
Ion Ratio Lower Upper
152 100
150 159.0 131.6 197.4
115 54.6 50.9 76.3

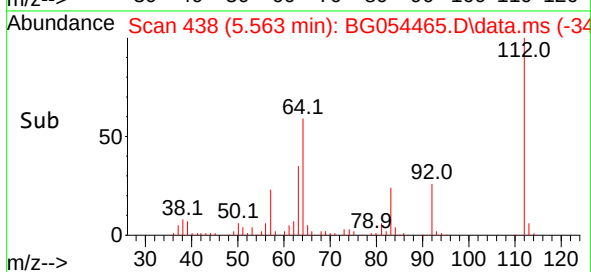
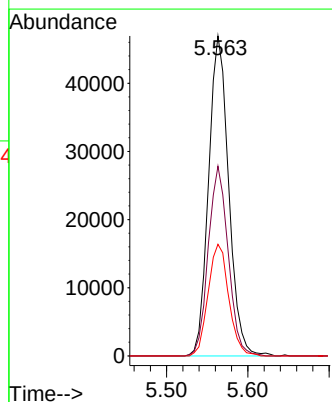
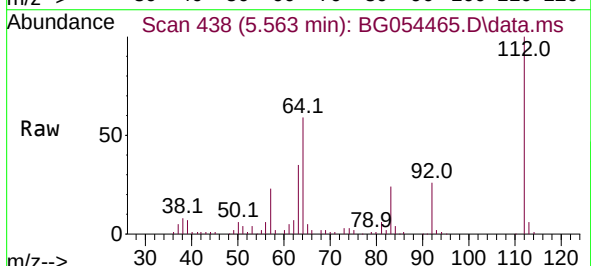
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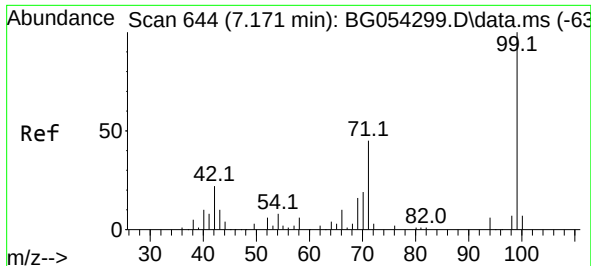
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#5
2-Fluorophenol
Concen: 106.510 ng
RT: 5.563 min Scan# 438
Delta R.T. 0.001 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

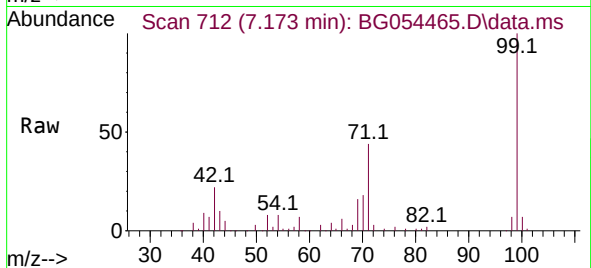
Tgt Ion:112 Resp: 80683
Ion Ratio Lower Upper
112 100
64 59.3 55.1 82.7
63 34.9 30.4 45.6





#7
Phenol-d6
Concen: 107.008 ng
RT: 7.173 min Scan# 71
Delta R.T. 0.001 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

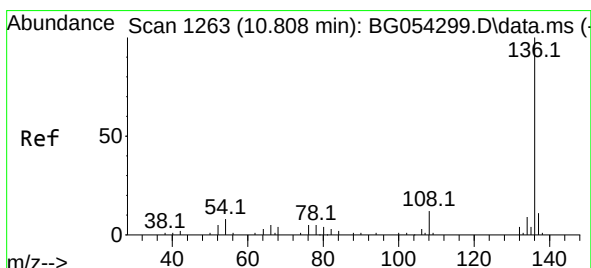
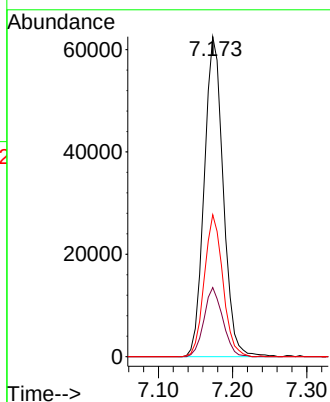
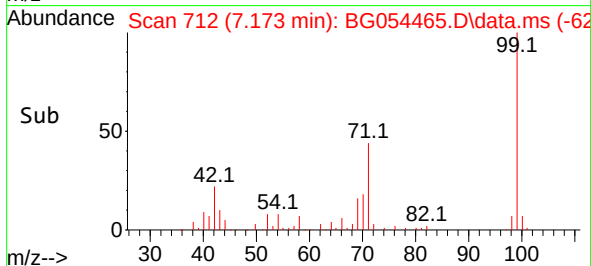
Instrument :
BNA_G
ClientSampleId :
RVE-30



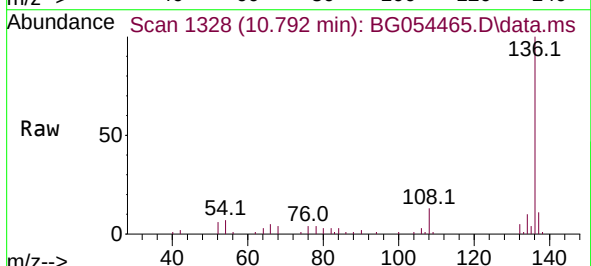
Tgt Ion: 99 Resp: 111072
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 44.3 33.8 50.8

Manual Integrations
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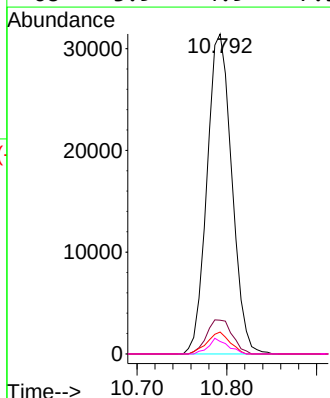
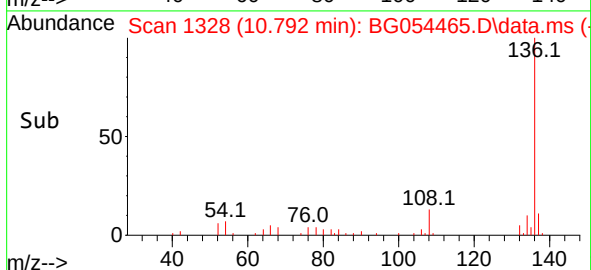
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

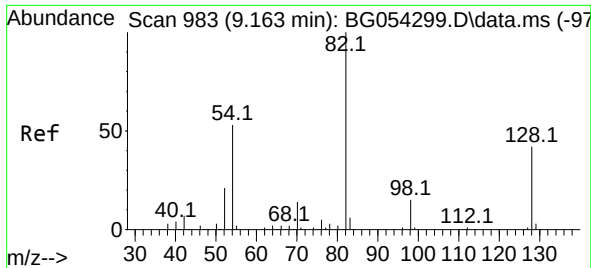


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.792 min Scan# 1328
Delta R.T. -0.004 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17



Tgt Ion:136 Resp: 60369
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 6.8 7.4 11.2#
68 3.9 4.9 7.3#





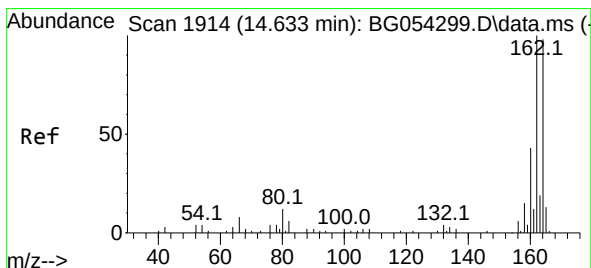
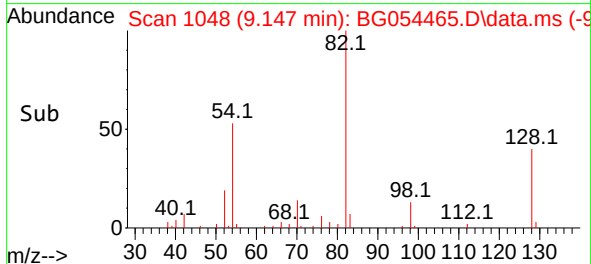
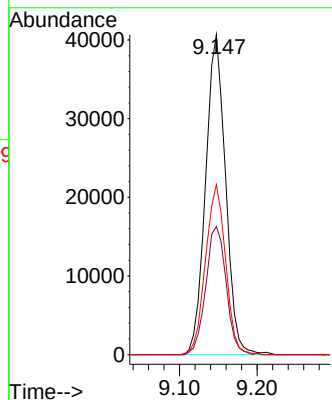
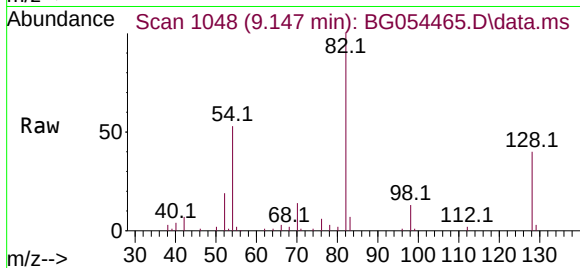
#23
Nitrobenzene-d5
Concen: 65.677 ng
RT: 9.147 min Scan# 1048
Delta R.T. -0.004 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

Instrument :
BNA_G
ClientSampleId :
RVE-30

Tgt Ion: 82 Resp: 7280
Ion Ratio Lower Upper
82 100
128 40.0 27.9 41.9
54 53.1 41.2 61.8

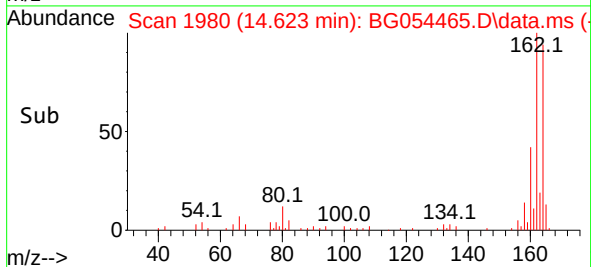
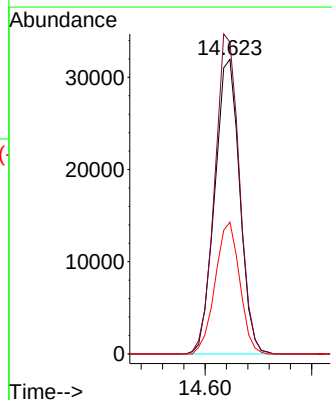
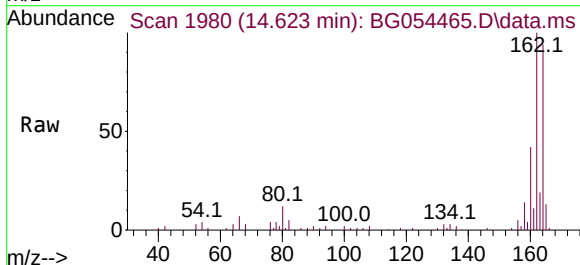
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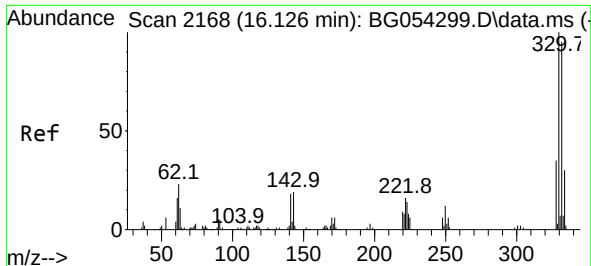
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.623 min Scan# 1980
Delta R.T. 0.001 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

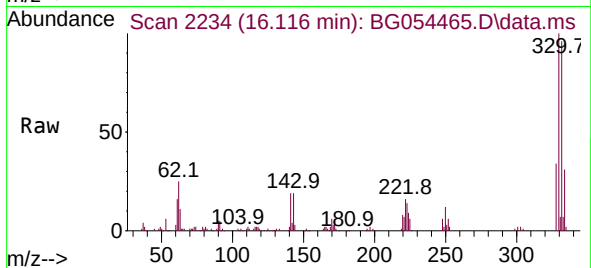
Tgt Ion:164 Resp: 52024
Ion Ratio Lower Upper
164 100
162 105.9 82.3 123.5
160 44.7 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 110.449 ng
RT: 16.116 min Scan# 2168
Delta R.T. 0.001 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

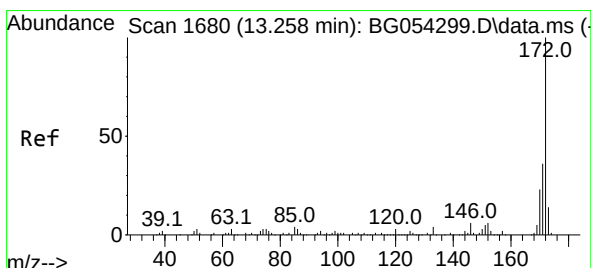
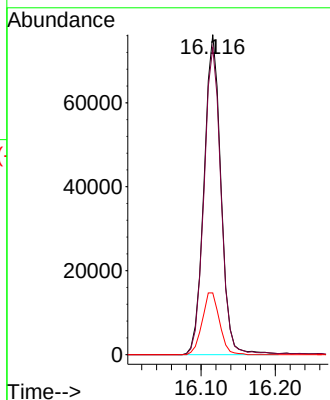
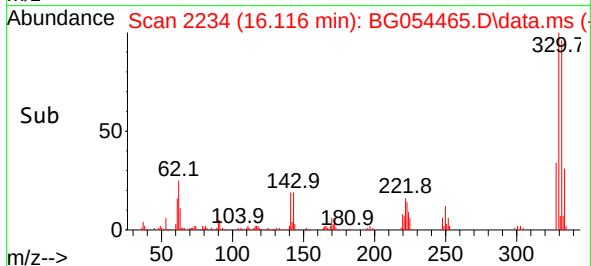
Instrument :
BNA_G
ClientSampleId :
RVE-30



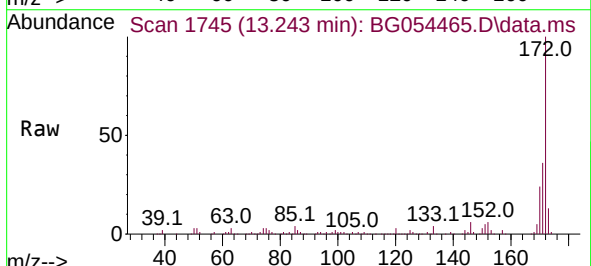
Tgt Ion:330 Resp: 120645
Ion Ratio Lower Upper
330 100
332 96.2 76.0 114.0
141 19.7 27.1 40.7

Manual Integrations
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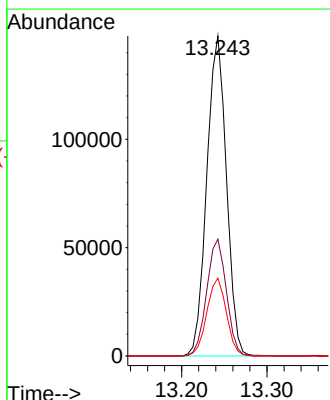
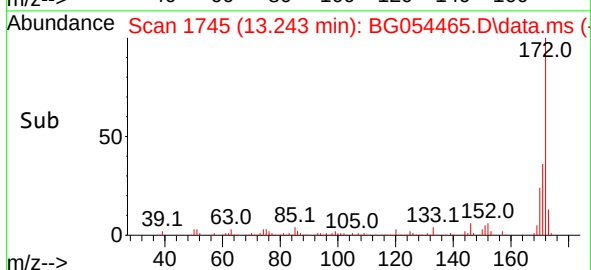
Reviewed By :Christian Giraldo 08/02/2022
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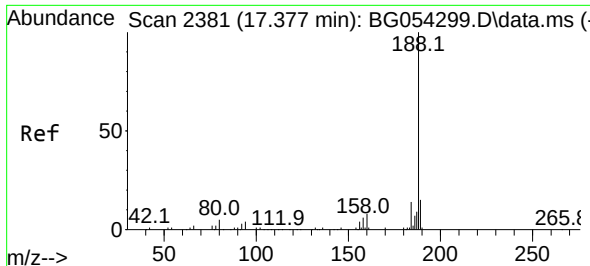


#45
2-Fluorobiphenyl
Concen: 64.002 ng
RT: 13.243 min Scan# 1745
Delta R.T. -0.004 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17



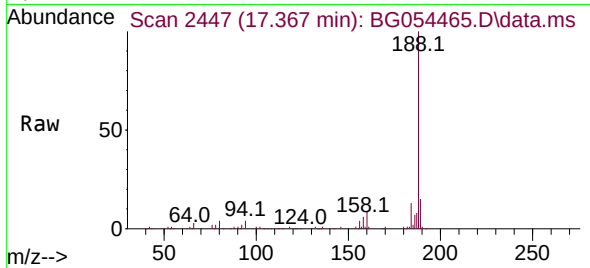
Tgt Ion:172 Resp: 236027
Ion Ratio Lower Upper
172 100
171 36.5 28.5 42.7
170 24.3 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.367 min Scan# 2447
Delta R.T. -0.004 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

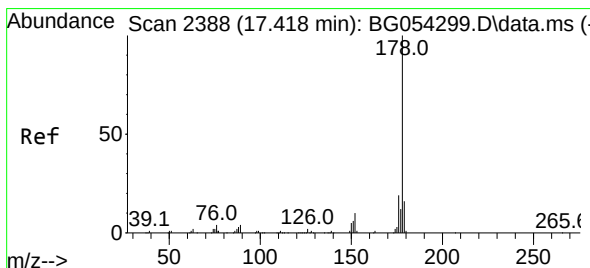
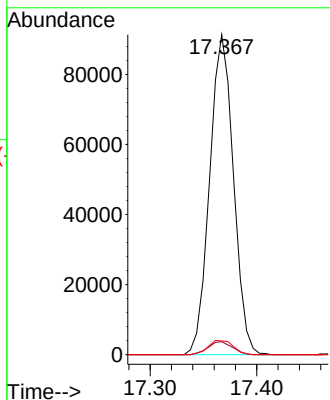
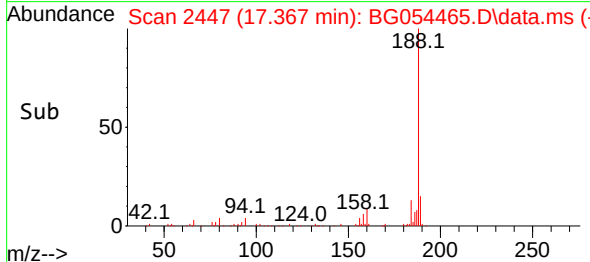
Instrument :
BNA_G
ClientSampleId :
RVE-30



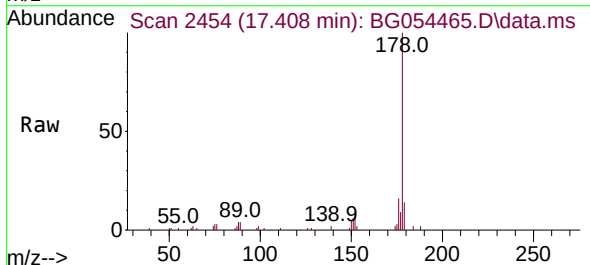
Tgt Ion:188 Resp: 142030
Ion Ratio Lower Upper
188 100
94 4.0 5.4 8.0
80 4.3 6.8 10.2

Manual Integrations
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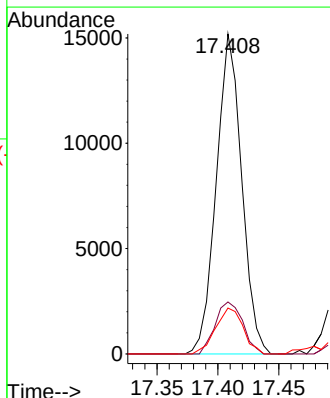
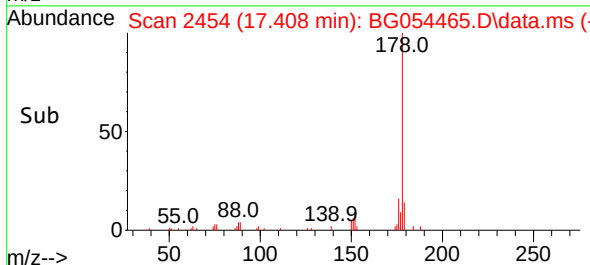
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

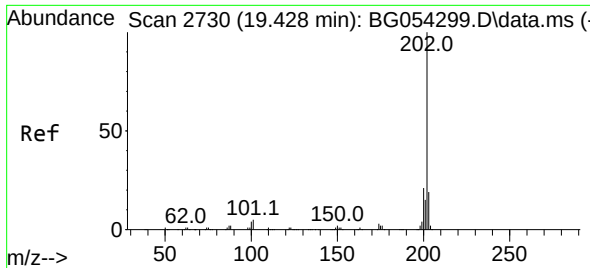


#71
Phenanthrene
Concen: 3.110 ng
RT: 17.408 min Scan# 2454
Delta R.T. -0.004 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17



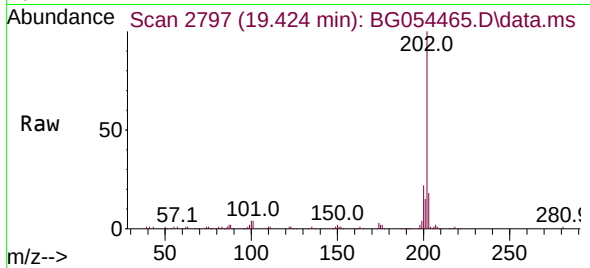
Tgt Ion:178 Resp: 21997
Ion Ratio Lower Upper
178 100
176 16.2 14.1 21.1
179 14.3 12.1 18.1





#75
Fluoranthene
Concen: 8.933 ng
RT: 19.424 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

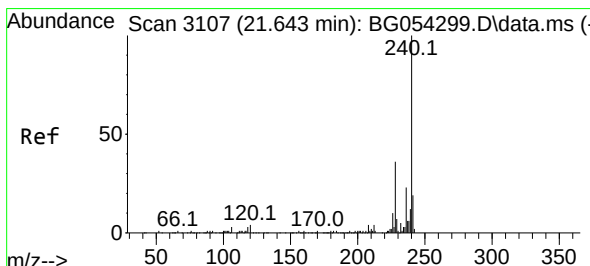
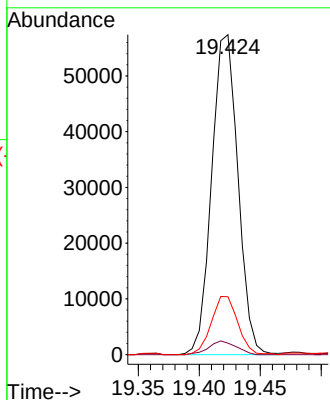
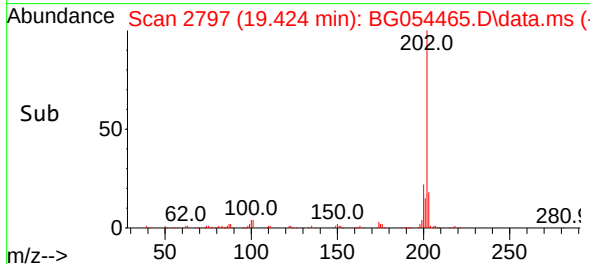
Instrument :
BNA_G
ClientSampleId :
RVE-30



Tgt Ion:202 Resp: 86130
Ion Ratio Lower Upper
202 100
101 3.6 0.0 26.9
203 18.1 0.0 37.2

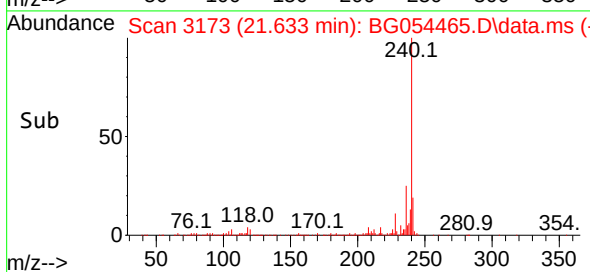
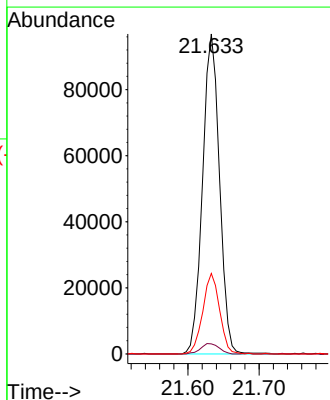
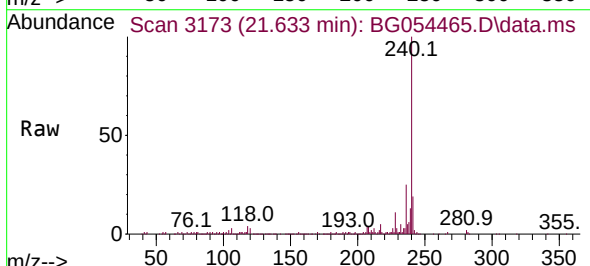
Manual Integrations
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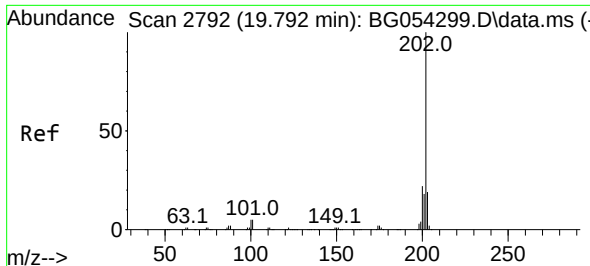
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.633 min Scan# 3173
Delta R.T. -0.004 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

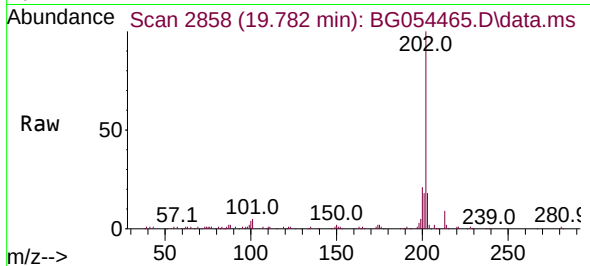
Tgt Ion:240 Resp: 159559
Ion Ratio Lower Upper
240 100
120 3.1 4.6 7.0#
236 25.1 20.2 30.4





#78
Pyrene
Concen: 9.588 ng
RT: 19.782 min Scan# 2858
Delta R.T. -0.004 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

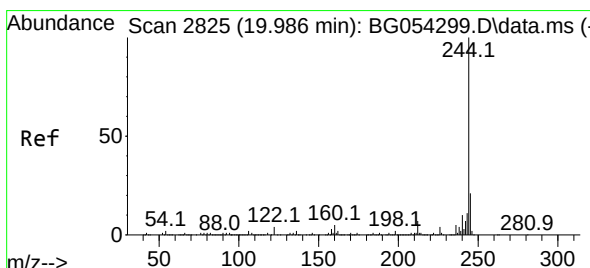
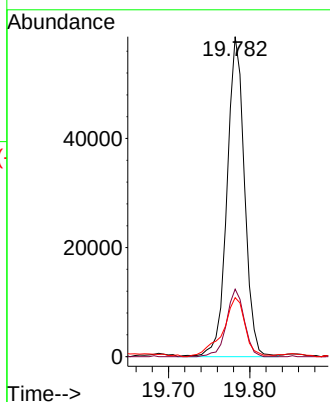
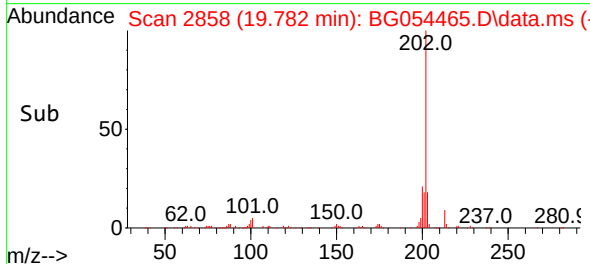
Instrument :
BNA_G
ClientSampleId :
RVE-30



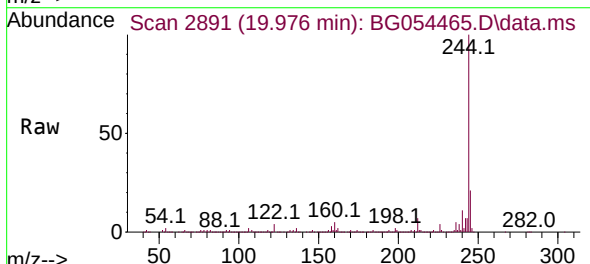
Tgt Ion:202 Resp: 87784
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 18.4 14.6 21.8

Manual Integrations
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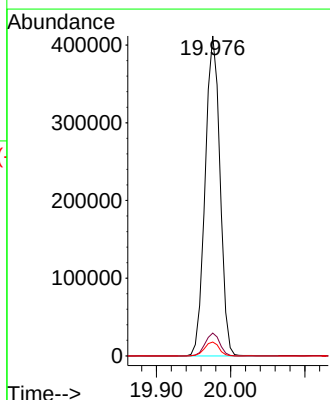
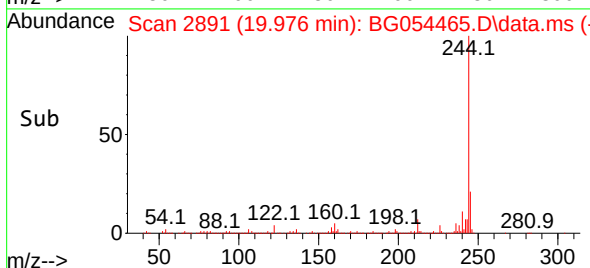
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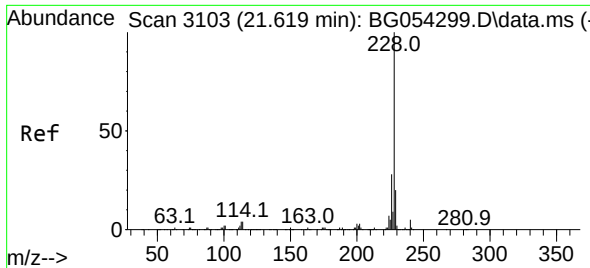


#79
Terphenyl-d14
Concen: 71.154 ng
RT: 19.976 min Scan# 2891
Delta R.T. -0.004 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17



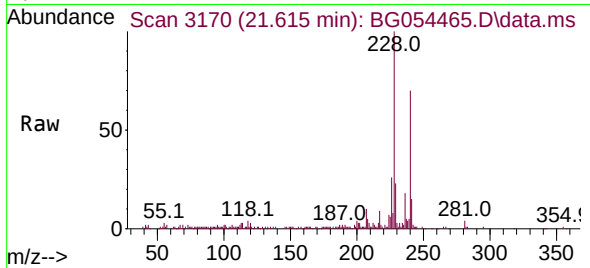
Tgt Ion:244 Resp: 572300
Ion Ratio Lower Upper
244 100
212 7.1 6.5 9.7
122 4.3 5.0 7.4





#81
Benzo(a)anthracene
Concen: 6.808 ng
RT: 21.615 min Scan# 3103
Delta R.T. 0.001 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

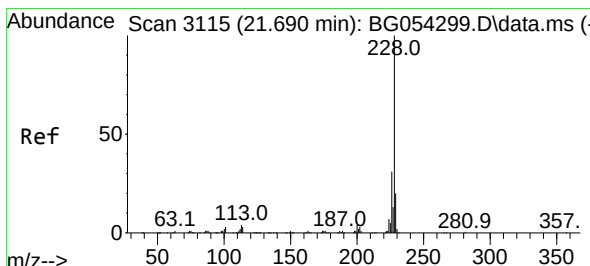
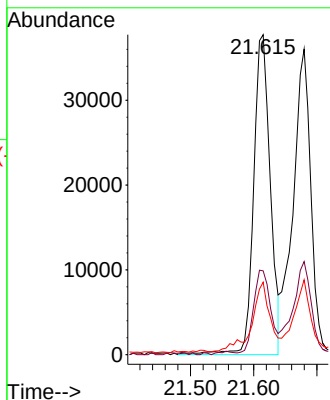
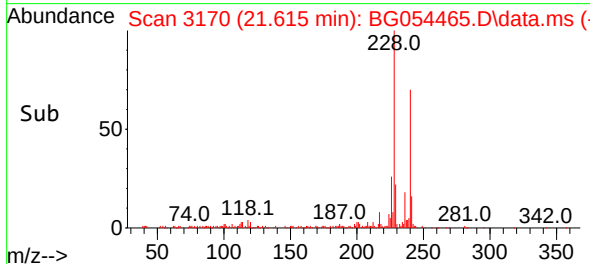
Instrument :
BNA_G
ClientSampleId :
RVE-30



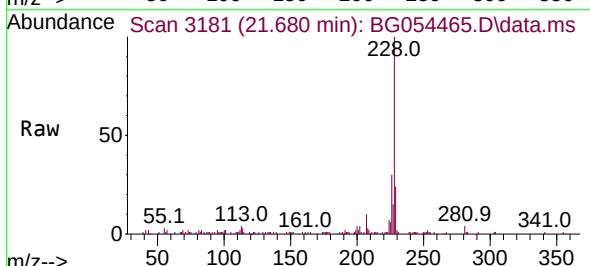
Tgt Ion:228 Resp: 68953
Ion Ratio Lower Upper
228 100
226 26.2 21.6 32.4
229 22.6 16.2 24.2

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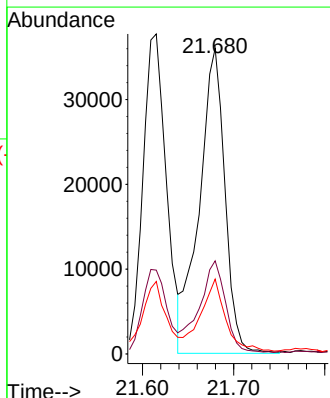
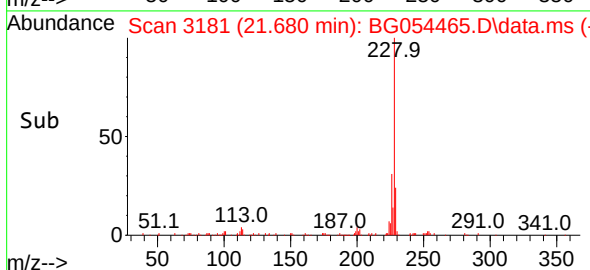
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

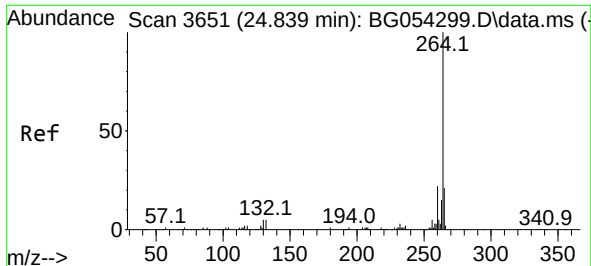


#83
Chrysene
Concen: 7.383 ng m
RT: 21.680 min Scan# 3181
Delta R.T. -0.004 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17



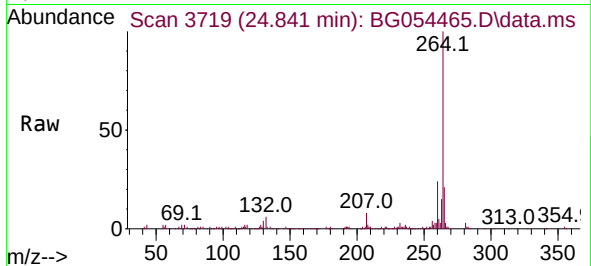
Tgt Ion:228 Resp: 70649
Ion Ratio Lower Upper
228 100
226 30.4 23.4 35.2
229 24.5 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.841 min Scan# 31
Delta R.T. 0.007 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

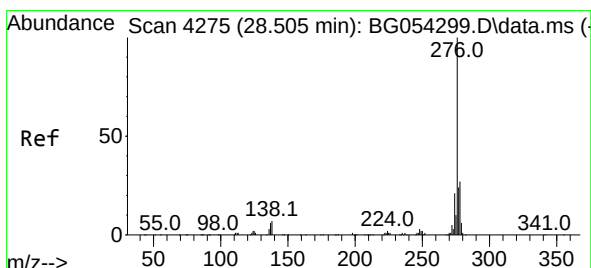
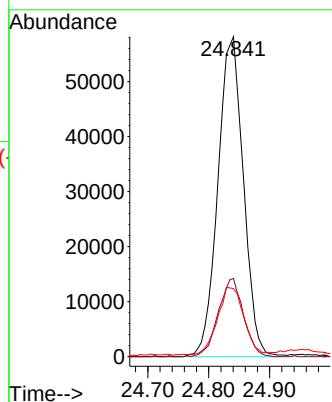
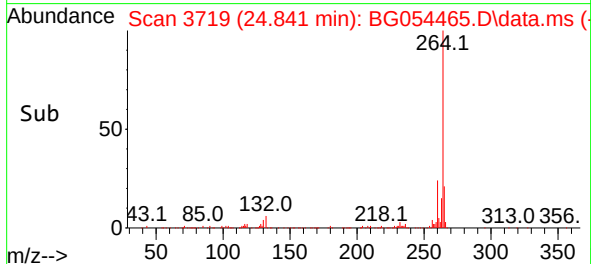
Instrument :
BNA_G
ClientSampleId :
RVE-30



Tgt Ion:264 Resp: 169162
Ion Ratio Lower Upper
264 100
260 24.4 19.0 28.6
265 21.3 17.4 26.2

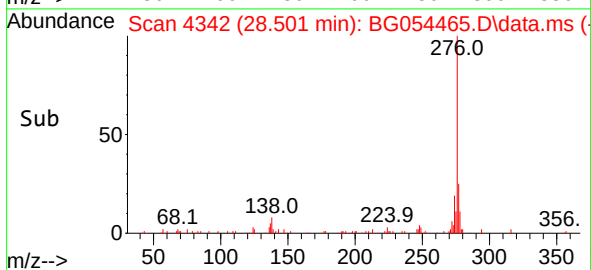
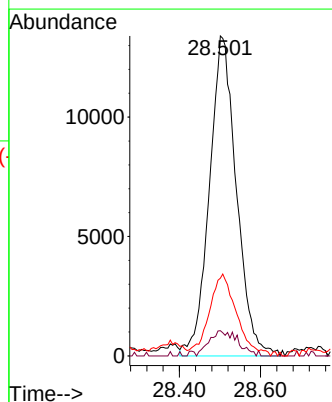
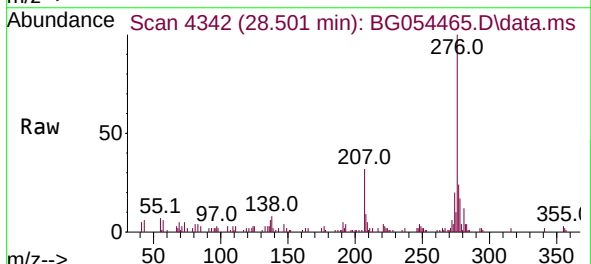
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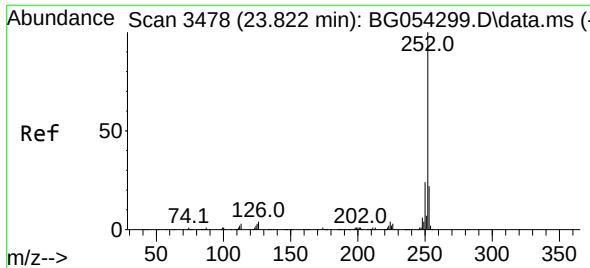
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.819 ng
RT: 28.501 min Scan# 4342
Delta R.T. -0.016 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

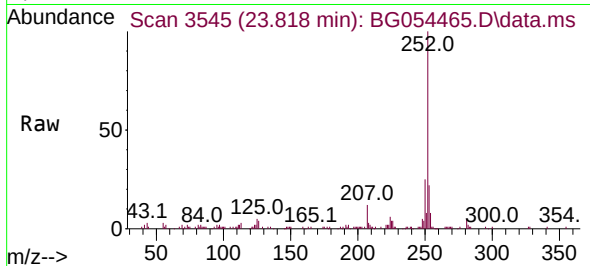
Tgt Ion:276 Resp: 62014
Ion Ratio Lower Upper
276 100
138 8.2 5.0 7.4#
277 26.1 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 11.619 ng
RT: 23.818 min Scan# 3545
Delta R.T. -0.004 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

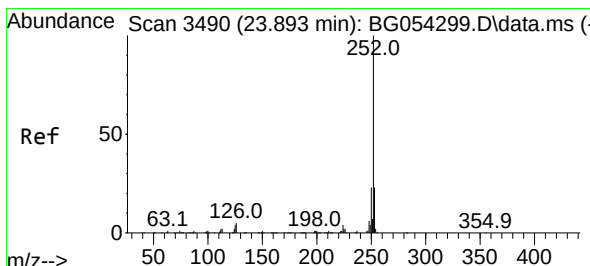
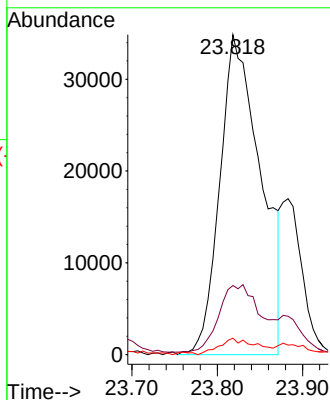
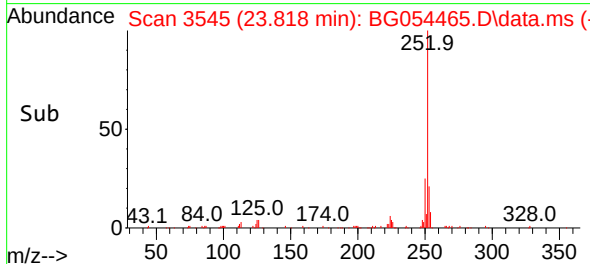
Instrument :
BNA_G
ClientSampleId :
RVE-30



Tgt Ion:252 Resp: 116235
Ion Ratio Lower Upper
252 100
253 21.6 18.0 27.0
125 5.1 4.6 6.8

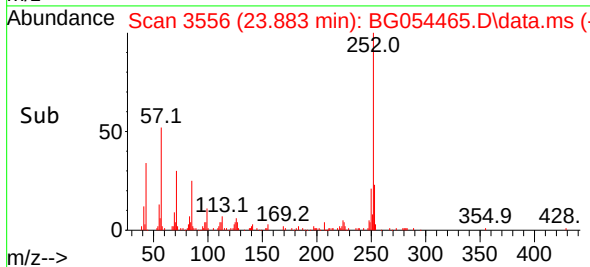
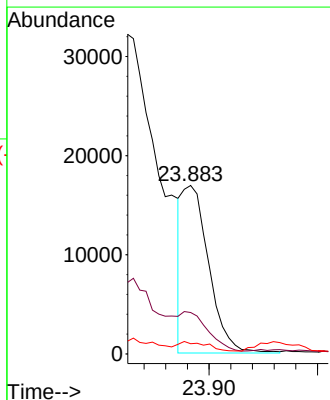
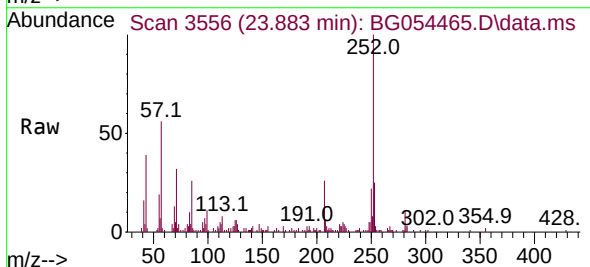
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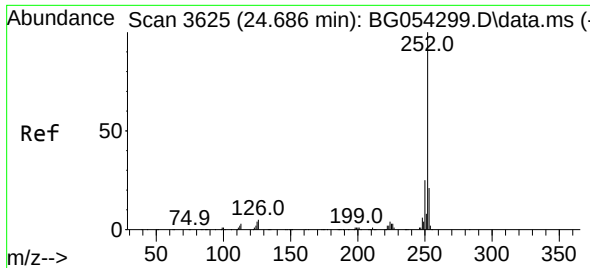
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#89
Benzo(k)fluoranthene
Concen: 2.873 ng m
RT: 23.883 min Scan# 3556
Delta R.T. -0.004 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

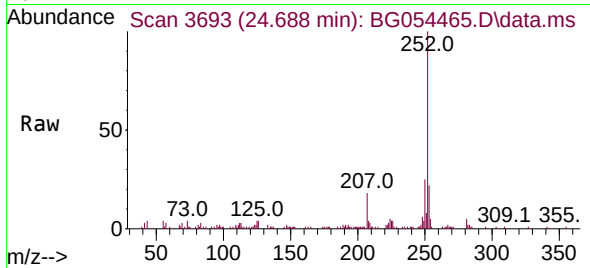
Tgt Ion:252 Resp: 28604
Ion Ratio Lower Upper
252 100
253 24.6 18.4 27.6
125 6.1 4.8 7.2





#90
Benzo(a)pyrene
Concen: 8.819 ng
RT: 24.688 min Scan# 3625
Delta R.T. 0.001 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

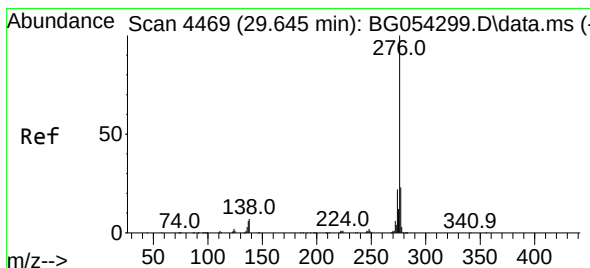
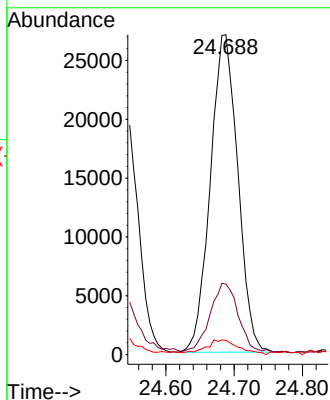
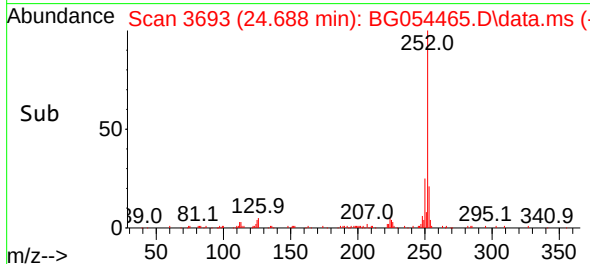
Instrument :
BNA_G
ClientSampleId :
RVE-30



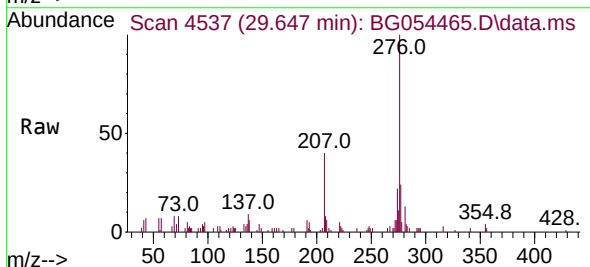
Tgt Ion:252 Resp: 7534
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 4.5 4.3 6.5

Manual Integrations
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Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#92
Benzo(g,h,i)perylene
Concen: 6.014 ng
RT: 29.647 min Scan# 4537
Delta R.T. -0.016 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17



Tgt Ion:276 Resp: 62811
Ion Ratio Lower Upper
276 100
277 23.7 17.3 25.9
138 6.0 9.6 14.4#

