

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
 Data File : BG054549.D
 Acq On : 8 Aug 2022 11:56
 Operator : CG/JU
 Sample : N3961-20
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-186

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/09/2022
 Supervised By : Jagrut Upadhyay 08/09/2022

Quant Time: Aug 08 14:51:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	17172	20.000	ng	0.00
21) Naphthalene-d8	10.785	136	69543	20.000	ng	# 0.00
39) Acenaphthene-d10	14.616	164	49059	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	127707	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	152095	20.000	ng	# 0.00
86) Perylene-d12	24.833	264	160119	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	102107	124.148	ng	0.00
7) Phenol-d6	7.177	99	137883	122.348	ng	0.00
23) Nitrobenzene-d5	9.140	82	90208	70.639	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	117633	114.201	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	259481	74.614	ng	0.00
79) Terphenyl-d14	19.974	244	541148	70.583	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.407	178	22498	3.538	ng	98
75) Fluoranthene	19.416	202	51120	5.897	ng	93
78) Pyrene	19.780	202	75909	8.698	ng	99
81) Benzo(a)anthracene	21.607	228	40566	4.202	ng	99
83) Chrysene	21.678	228	48160m	5.280	ng	
87) Indeno(1,2,3-cd)pyrene	28.511	276	36933	3.032	ng	# 77
88) Benzo(b)fluoranthene	23.823	252	58745	6.204	ng	98
90) Benzo(a)pyrene	24.686	252	46693	5.774	ng	98
92) Benzo(g,h,i)perylene	29.674	276	43912	4.442	ng	# 93

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

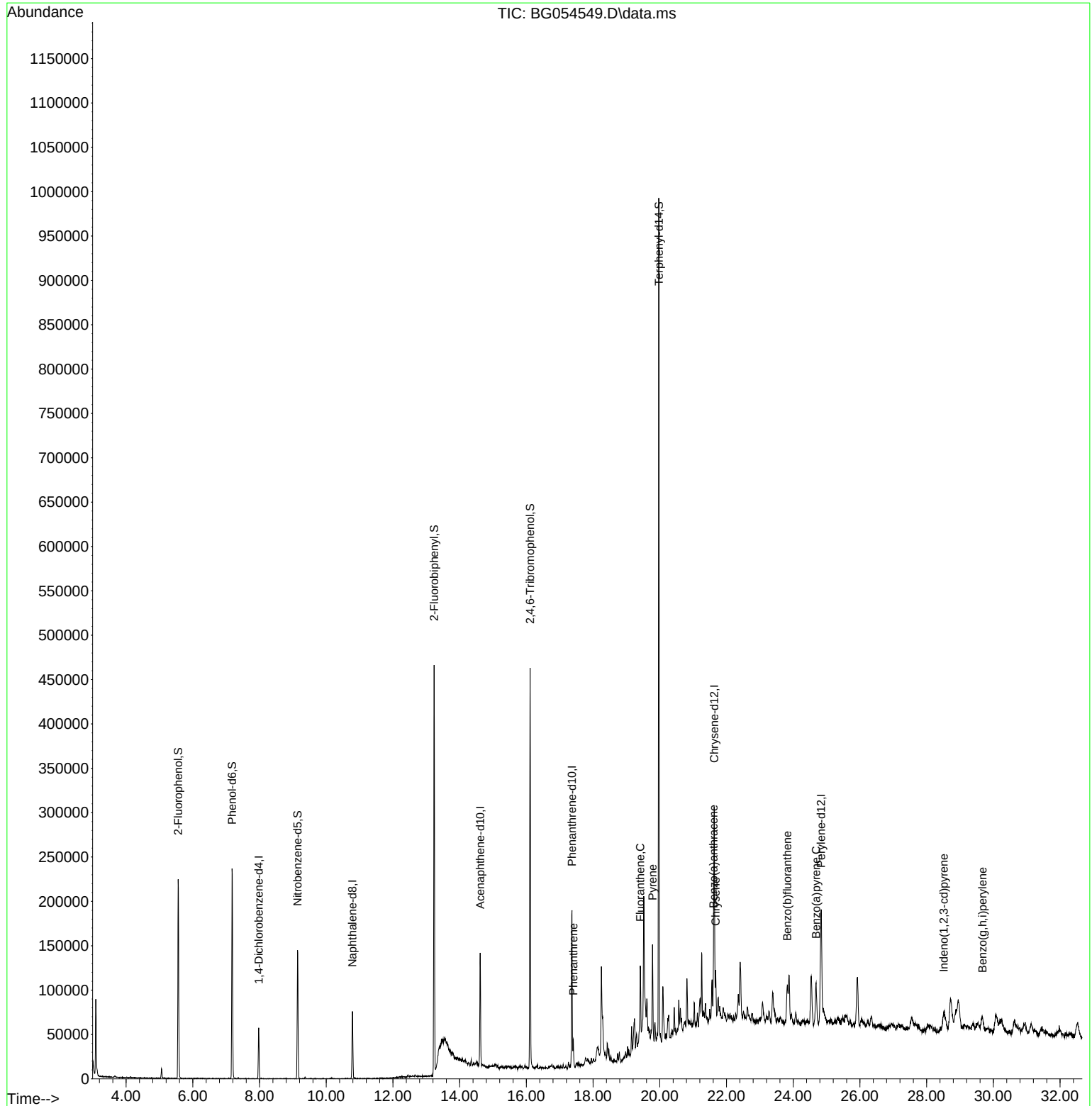
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054549.D
Acq On : 8 Aug 2022 11:56
Operator : CG/JU
Sample : N3961-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

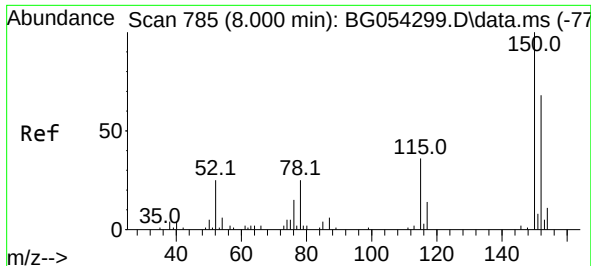
Instrument :
BNA_G
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RVE-186

Quant Time: Aug 08 14:51:36 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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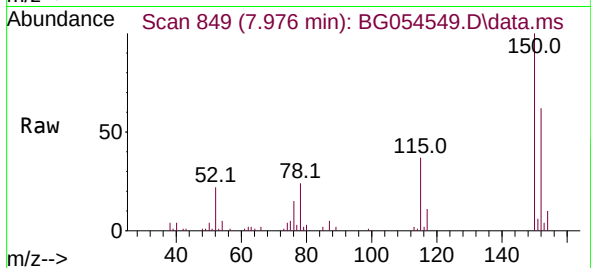
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

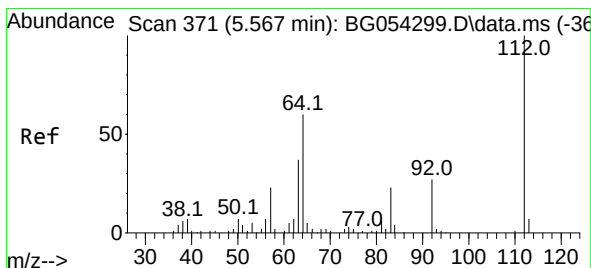
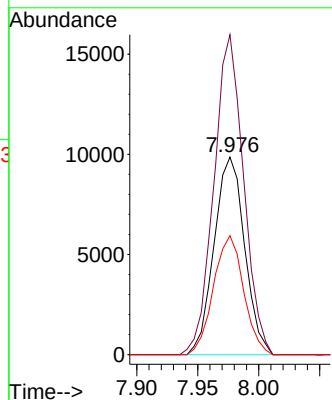
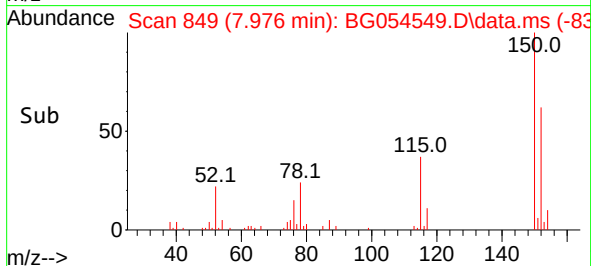
Instrument :
BNA_G
ClientSampleId :
RVE-186



Tgt Ion:152 Resp: 17172
Ion Ratio Lower Upper
152 100
150 162.1 131.6 197.4
115 60.2 50.9 76.3

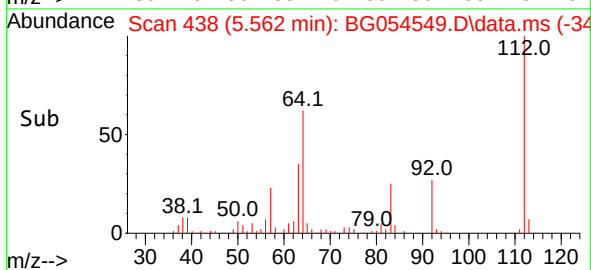
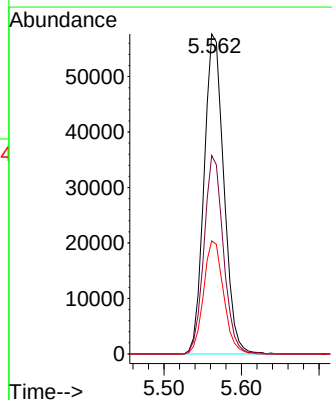
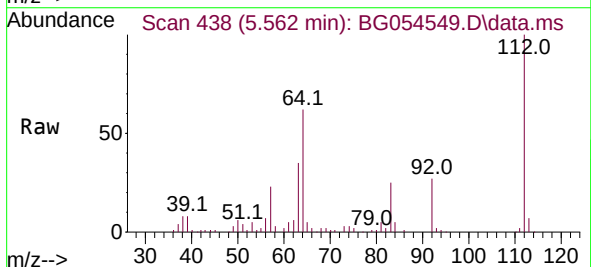
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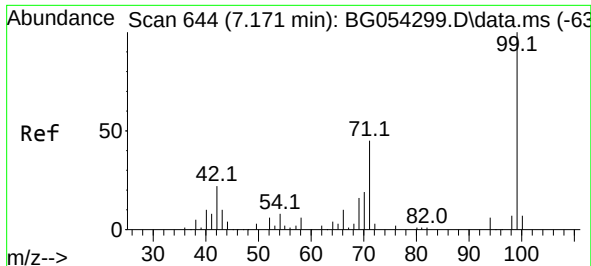
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#5
2-Fluorophenol
Concen: 124.148 ng
RT: 5.562 min Scan# 438
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

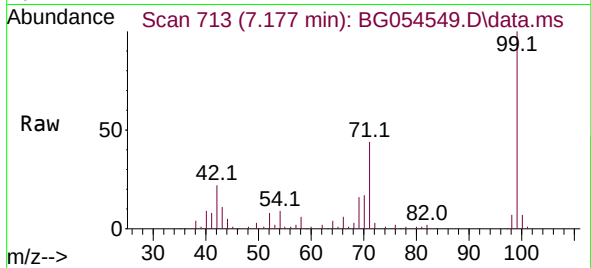
Tgt Ion:112 Resp: 102107
Ion Ratio Lower Upper
112 100
64 62.0 55.1 82.7
63 35.3 30.4 45.6





#7
Phenol-d6
Concen: 122.348 ng
RT: 7.177 min Scan# 71
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

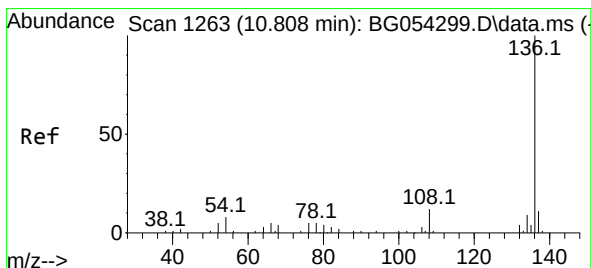
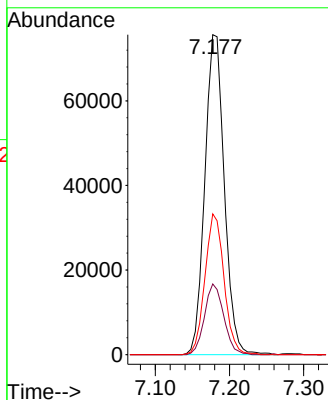
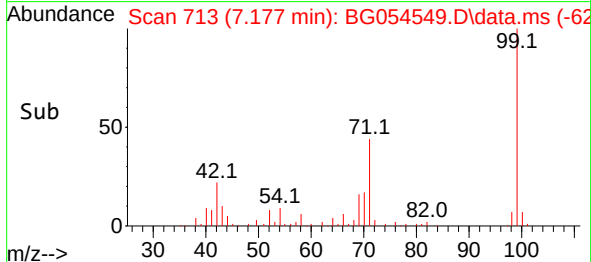
Instrument :
BNA_G
ClientSampleId :
RVE-186



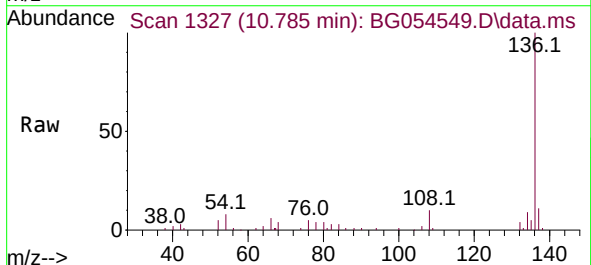
Tgt Ion: 99 Resp: 137883
Ion Ratio Lower Upper
99 100
42 22.1 17.0 25.6
71 44.0 33.8 50.8

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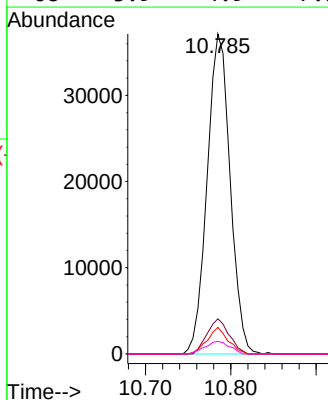
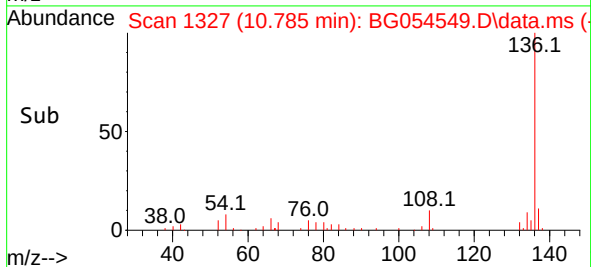
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

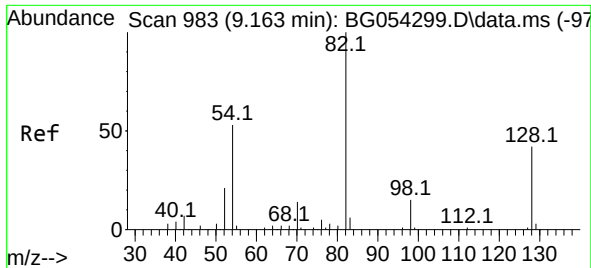


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.785 min Scan# 1327
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56



Tgt Ion:136 Resp: 69543
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 8.3 7.4 11.2
68 3.9 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 70.639 ng
RT: 9.140 min Scan# 1047
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

Instrument :

BNA_G

ClientSampleId :

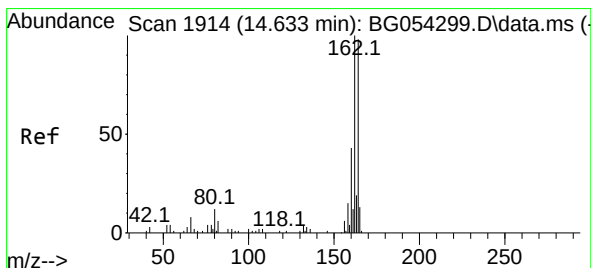
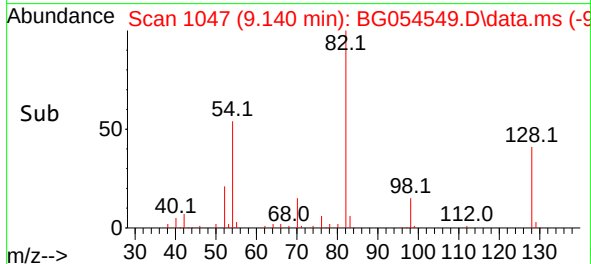
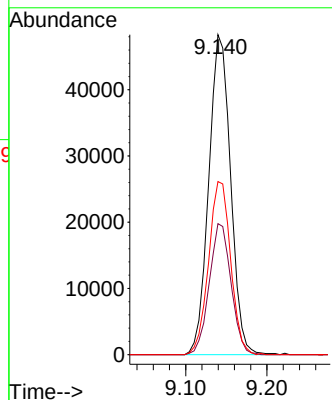
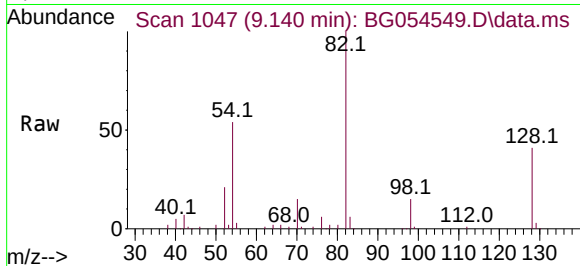
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Tgt Ion: 82 Resp: 90208
Ion Ratio Lower Upper
82 100
128 40.9 27.9 41.9
54 54.1 41.2 61.8

Manual Integrations

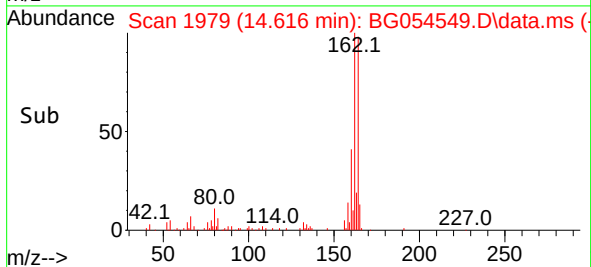
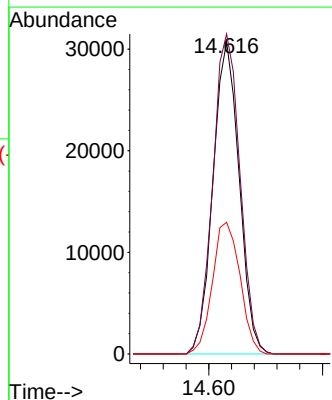
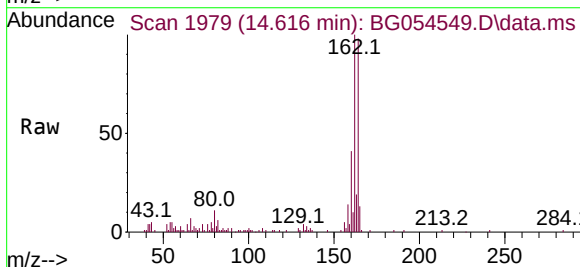
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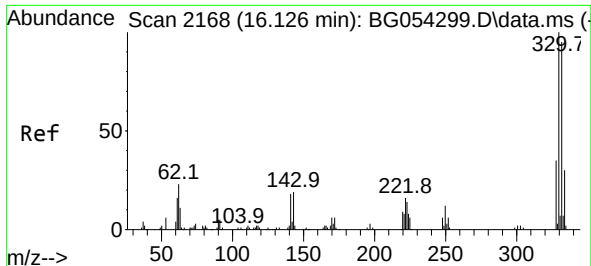
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.616 min Scan# 1979
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

Tgt Ion:164 Resp: 49059
Ion Ratio Lower Upper
164 100
162 102.5 82.3 123.5
160 42.1 34.2 51.2





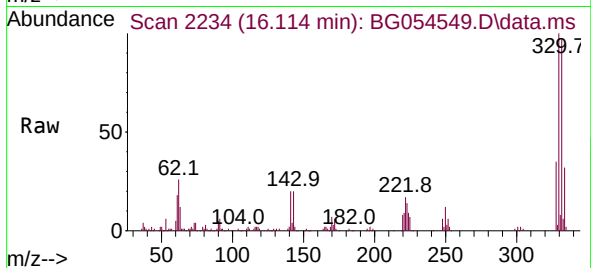
#42
2,4,6-Tribromophenol
Concen: 114.201 ng
RT: 16.114 min Scan# 2168
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

Instrument :

BNA_G

ClientSampleId :

RVE-186

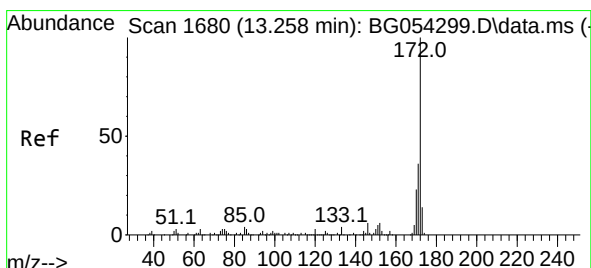
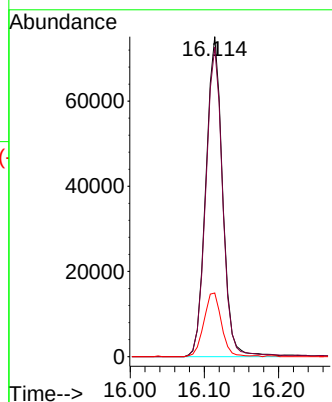
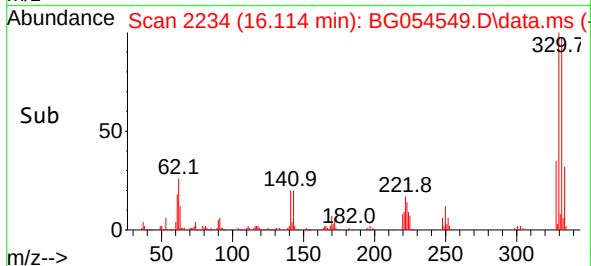


Tgt Ion:330 Resp: 117633
Ion Ratio Lower Upper
330 100
332 97.3 76.0 114.0
141 21.0 27.1 40.7

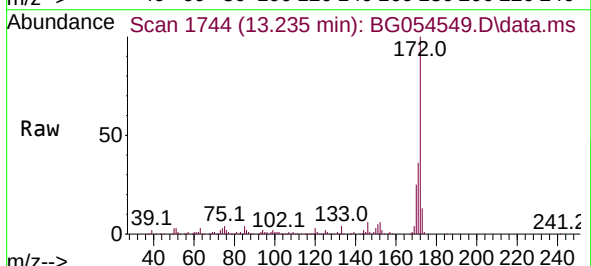
Manual Integrations

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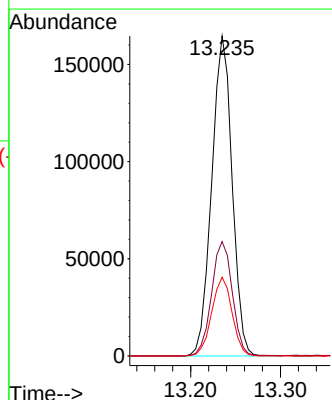
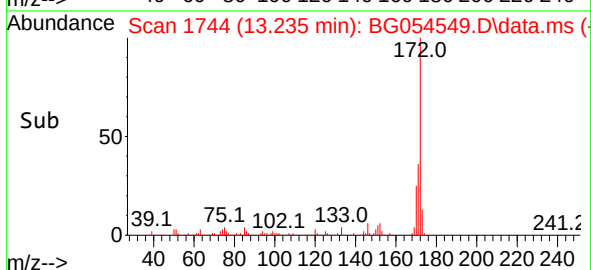
Reviewed By :Christian Giraldo 08/09/2022
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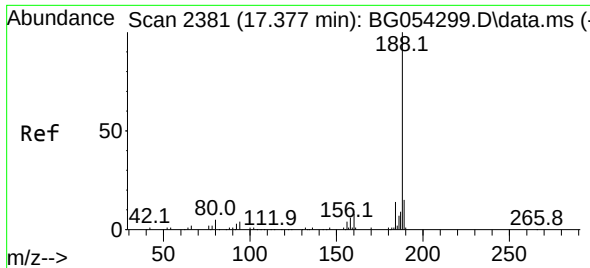


#45
2-Fluorobiphenyl
Concen: 74.614 ng
RT: 13.235 min Scan# 1744
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56



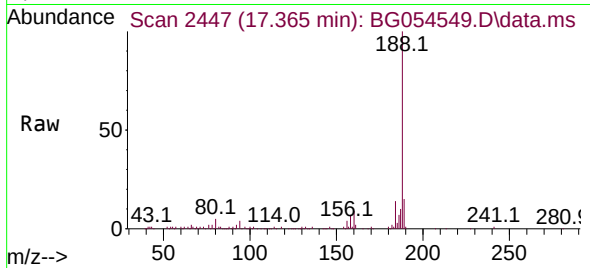
Tgt Ion:172 Resp: 259481
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 24.6 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. 0.004 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

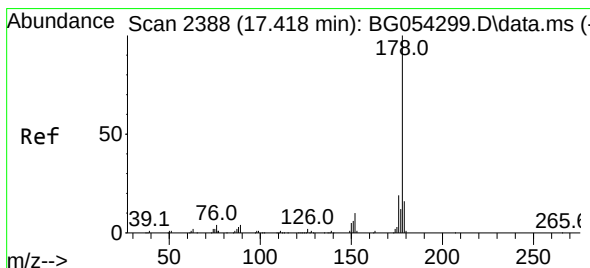
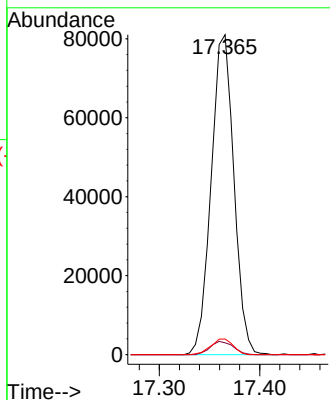
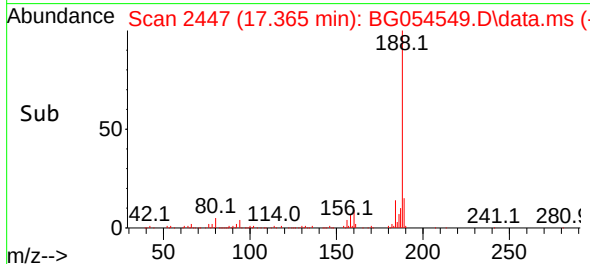
Instrument :
BNA_G
ClientSampleId :
RVE-186



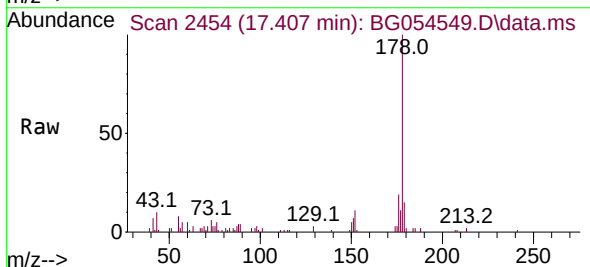
Tgt Ion:188 Resp: 12770
Ion Ratio Lower Upper
188 100
94 3.7 5.4 8.0
80 4.9 6.8 10.2

Manual Integrations
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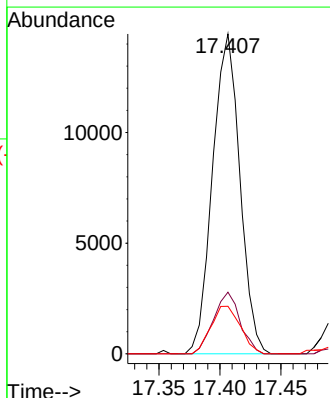
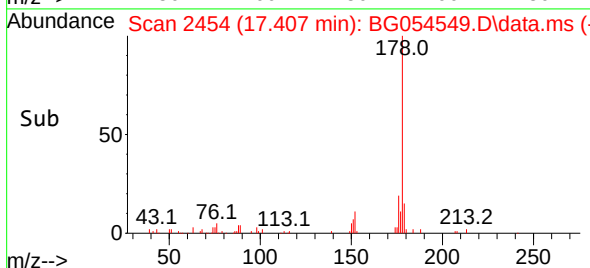
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

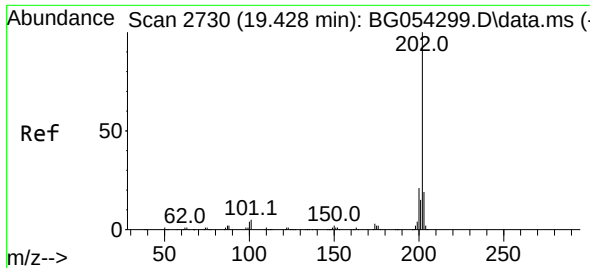


#71
Phenanthrene
Concen: 3.538 ng
RT: 17.407 min Scan# 2454
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56



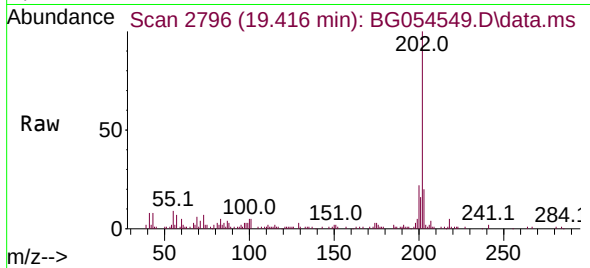
Tgt Ion:178 Resp: 22498
Ion Ratio Lower Upper
178 100
176 19.3 14.1 21.1
179 14.9 12.1 18.1





#75
Fluoranthene
Concen: 5.897 ng
RT: 19.416 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

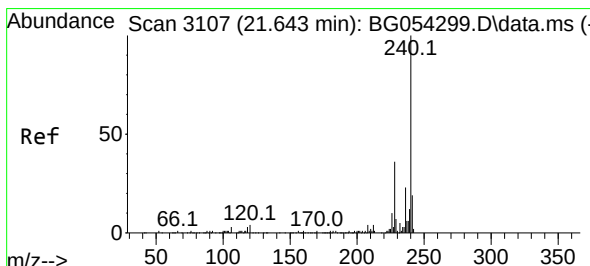
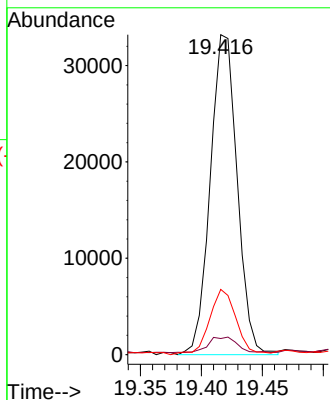
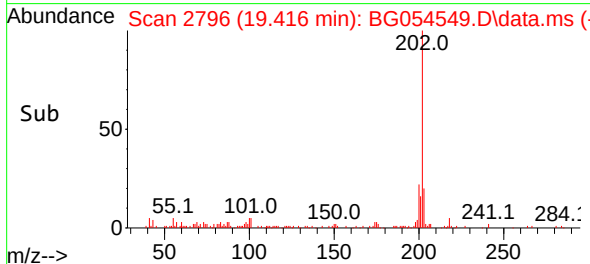
Instrument :
BNA_G
ClientSampleId :
RVE-186



Tgt Ion:202 Resp: 51120
Ion Ratio Lower Upper
202 100
101 5.0 0.0 26.9
203 20.4 0.0 37.2

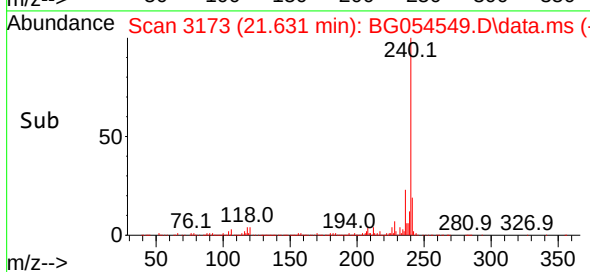
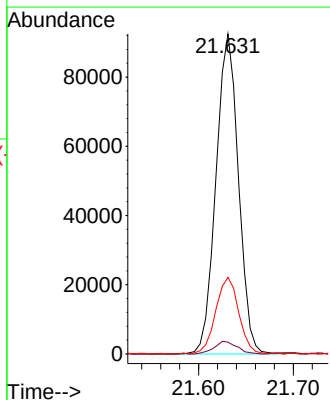
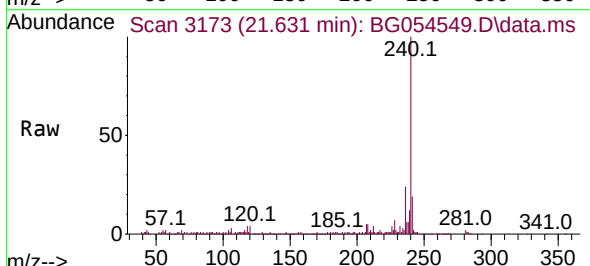
Manual Integrations
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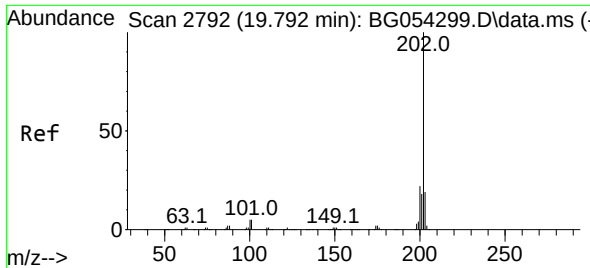
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3173
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

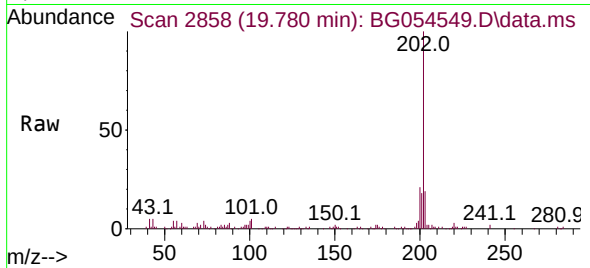
Tgt Ion:240 Resp: 152095
Ion Ratio Lower Upper
240 100
120 3.7 4.6 7.0#
236 23.9 20.2 30.4





#78
Pyrene
Concen: 8.698 ng
RT: 19.780 min Scan# 2858
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

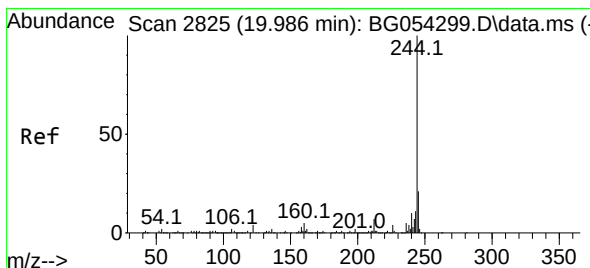
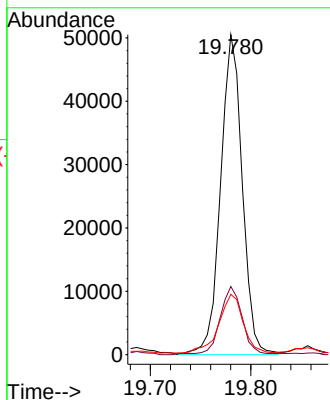
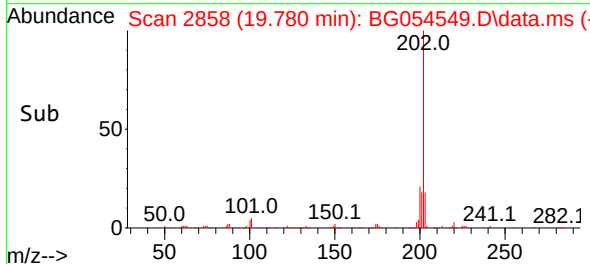
Instrument :
BNA_G
ClientSampleId :
RVE-186



Tgt Ion:202 Resp: 75909
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 18.8 14.6 21.8

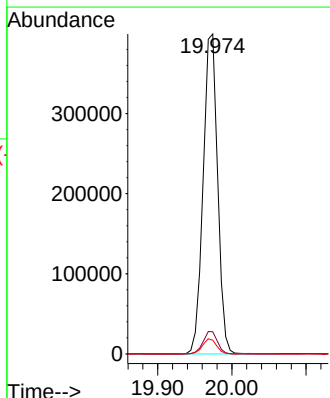
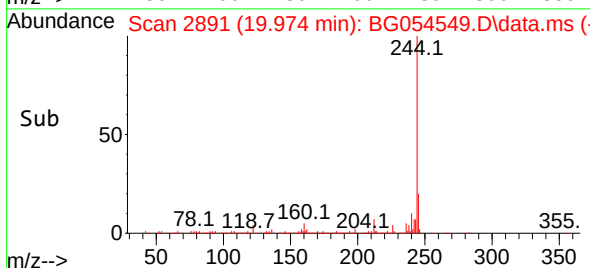
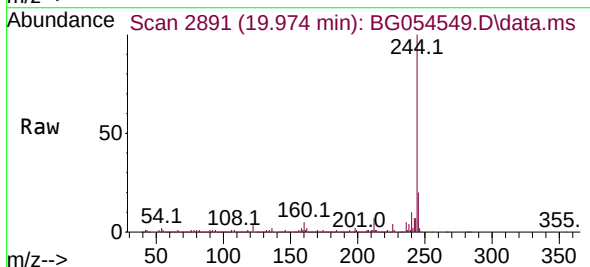
Manual Integrations
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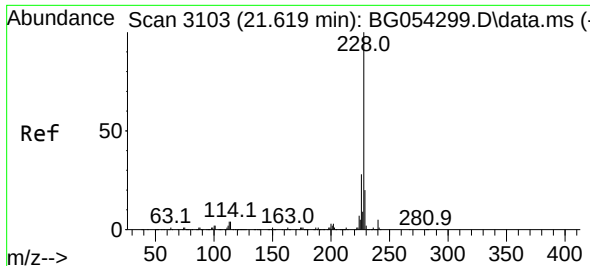
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#79
Terphenyl-d14
Concen: 70.583 ng
RT: 19.974 min Scan# 2891
Delta R.T. 0.004 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

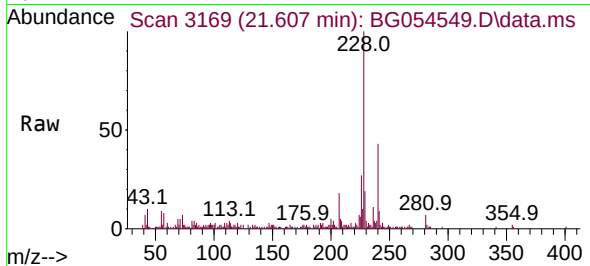
Tgt Ion:244 Resp: 541148
Ion Ratio Lower Upper
244 100
212 6.9 6.5 9.7
122 4.3 5.0 7.4





#81
Benzo(a)anthracene
Concen: 4.202 ng
RT: 21.607 min Scan# 3103
Delta R.T. -0.008 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

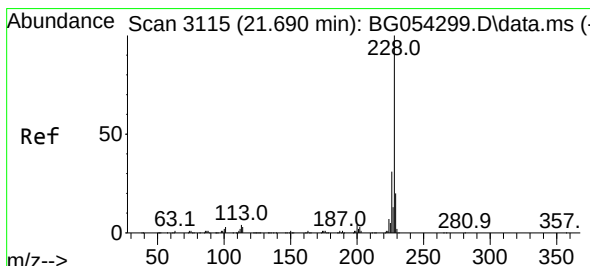
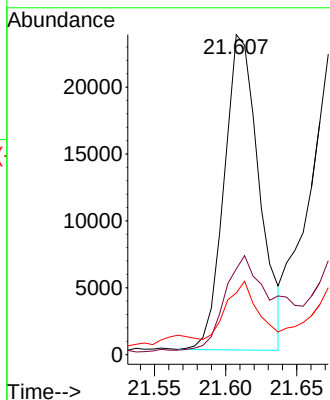
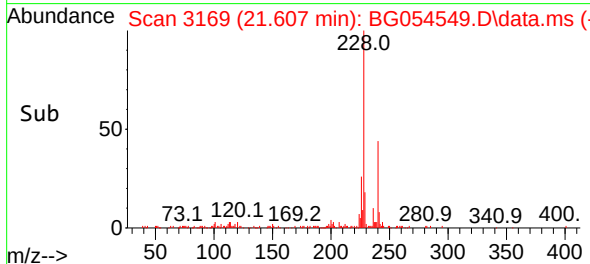
Instrument :
BNA_G
ClientSampleId :
RVE-186



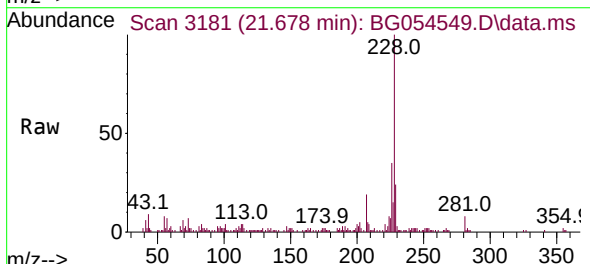
Tgt Ion:228 Resp: 40566
Ion Ratio Lower Upper
228 100
226 26.8 21.6 32.4
229 19.2 16.2 24.2

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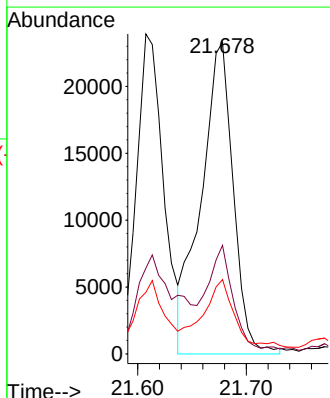
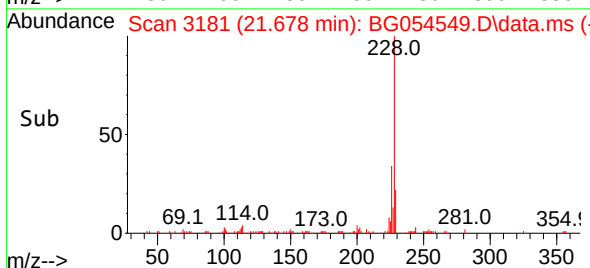
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

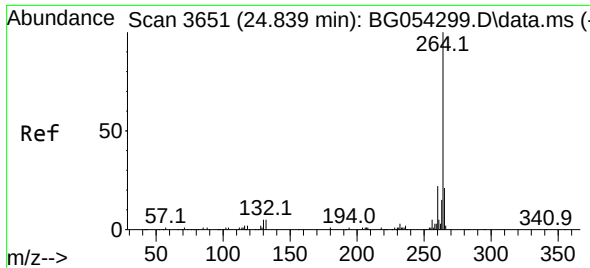


#83
Chrysene
Concen: 5.280 ng m
RT: 21.678 min Scan# 3181
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56



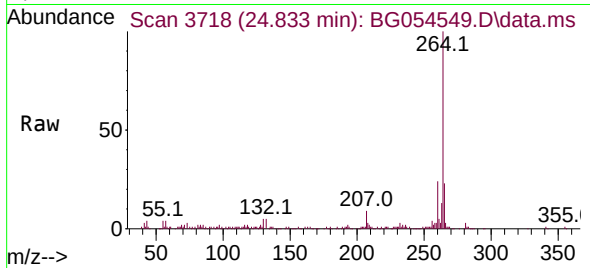
Tgt Ion:228 Resp: 48160
Ion Ratio Lower Upper
228 100
226 34.8 23.4 35.2
229 23.8 15.5 23.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.833 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

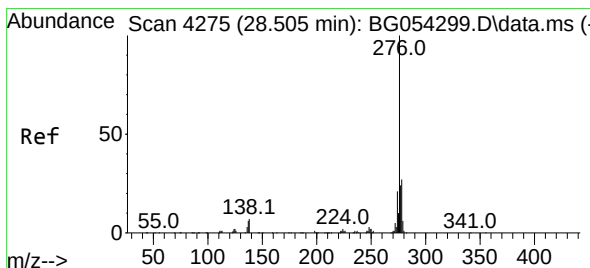
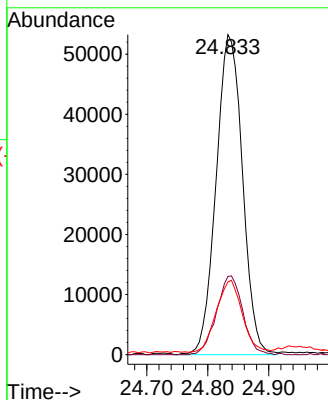
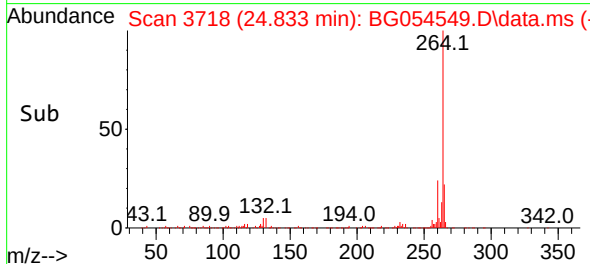
Instrument :
BNA_G
ClientSampleId :
RVE-186



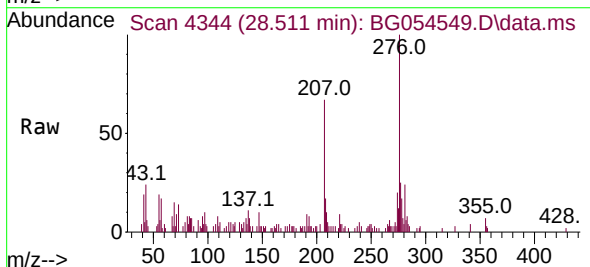
Tgt Ion:264 Resp: 160119
Ion Ratio Lower Upper
264 100
260 24.4 19.0 28.6
265 22.7 17.4 26.2

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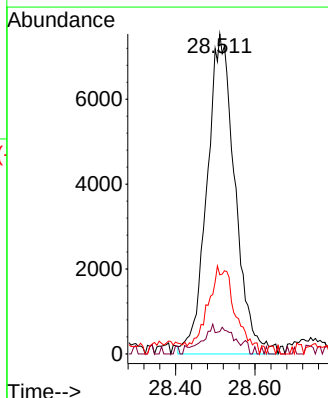
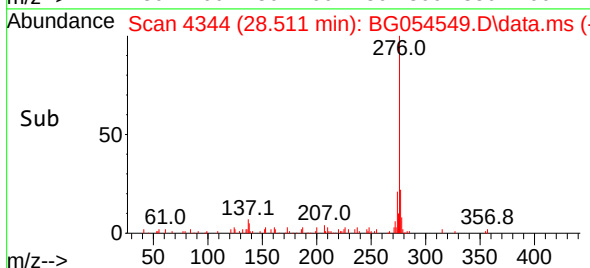
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

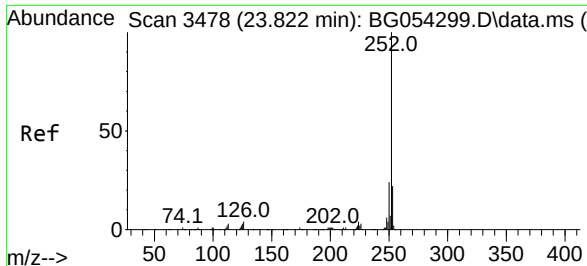


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.032 ng
RT: 28.511 min Scan# 4344
Delta R.T. -0.019 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56



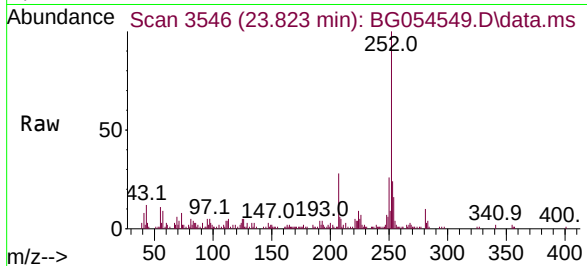
Tgt Ion:276 Resp: 36933
Ion Ratio Lower Upper
276 100
138 2.6 5.0 7.4#
277 12.3 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 6.204 ng
RT: 23.823 min Scan# 31
Delta R.T. 0.004 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

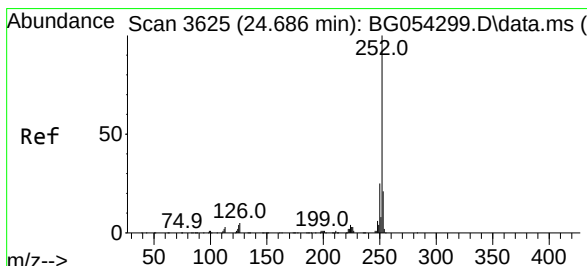
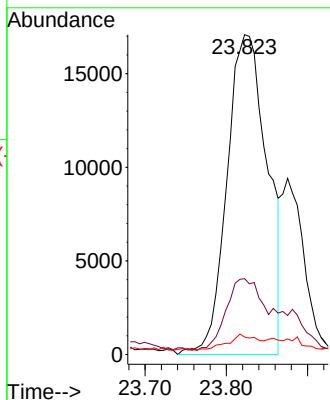
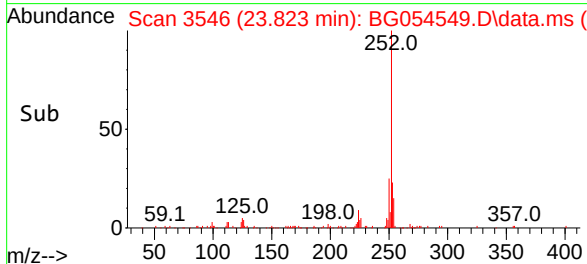
Instrument :
BNA_G
ClientSampleId :
RVE-186



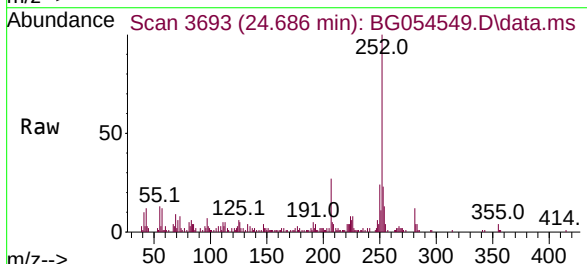
Tgt Ion:252 Resp: 58745
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 5.5 4.6 6.8

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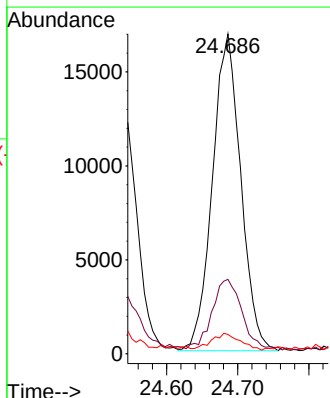
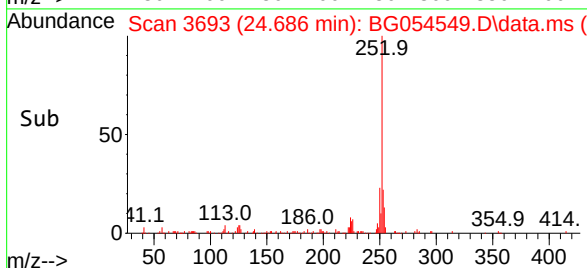
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

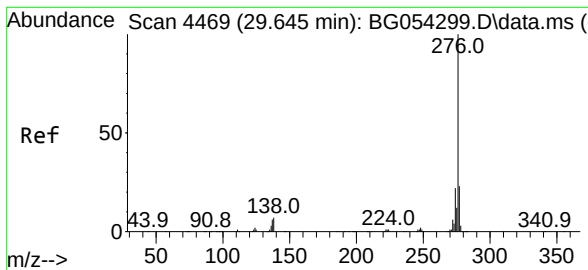


#90
Benzo(a)pyrene
Concen: 5.774 ng
RT: 24.686 min Scan# 3693
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56



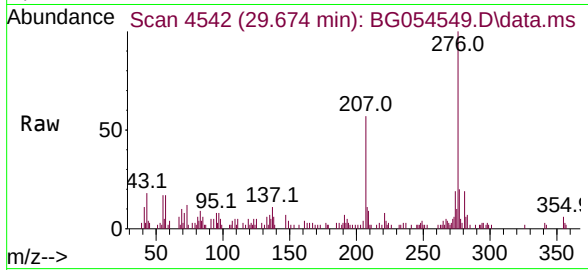
Tgt Ion:252 Resp: 46693
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 6.1 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 4.442 ng
 RT: 29.674 min Scan# 4542
 Delta R.T. -0.002 min
 Lab File: BG054549.D
 Acq: 8 Aug 2022 11:56

Instrument :
 BNA_G
 ClientSampleId :
 RVE-186



Tgt Ion: 276 Resp: 43912
 Ion Ratio Lower Upper
 276 100
 277 20.4 17.3 25.9
 138 6.1 9.6 14.4

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/09/2022
 Supervised By : Jagrut Upadhyay 08/09/2022

