

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083122\
 Data File : BG054810.D
 Acq On : 31 Aug 2022 17:25
 Operator : CG/JU
 Sample : N4424-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-241

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/01/2022
 Supervised By : Jagrut Upadhyay 09/01/2022

Quant Time: Sep 01 05:04:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.152	152	53834	20.000	ng	0.00
21) Naphthalene-d8	10.978	136	229273	20.000	ng	0.00
39) Acenaphthene-d10	14.785	164	152100	20.000	ng	0.00
64) Phenanthrene-d10	17.529	188	316263	20.000	ng	0.00
76) Chrysene-d12	21.824	240	287518	20.000	ng	0.00
86) Perylene-d12	25.202	264	305096	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	374342	121.088	ng	0.00
7) Phenol-d6	7.300	99	513447	121.443	ng	0.00
23) Nitrobenzene-d5	9.321	82	306666	70.217	ng	0.00
42) 2,4,6-Tribromophenol	16.272	330	220749	116.148	ng	0.00
45) 2-Fluorobiphenyl	13.410	172	709669	70.128	ng	0.00
79) Terphenyl-d14	20.132	244	1081847	74.554	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.025	128	33329	2.709	ng	98
58) Fluorene	15.825	166	29237	2.598	ng	98
71) Phenanthrene	17.576	178	259734	15.417	ng	98
72) Anthracene	17.664	178	76233	4.654	ng	99
75) Fluoranthene	19.580	202	1036243	50.561	ng	98
78) Pyrene	19.944	202	851502	42.472	ng	98
81) Benzo(a)anthracene	21.806	228	267206	13.707	ng	99
83) Chrysene	21.871	228	244151	13.099	ng	98
87) Indeno(1,2,3-cd)pyrene	29.063	276	50674	2.188	ng	# 93
88) Benzo(b)fluoranthene	24.121	252	190064	9.931	ng	99
89) Benzo(k)fluoranthene	24.186	252	66113m	3.432	ng	
90) Benzo(a)pyrene	25.038	252	101353	6.198	ng	100
92) Benzo(g,h,i)perylene	30.285	276	50021	2.624	ng	96

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

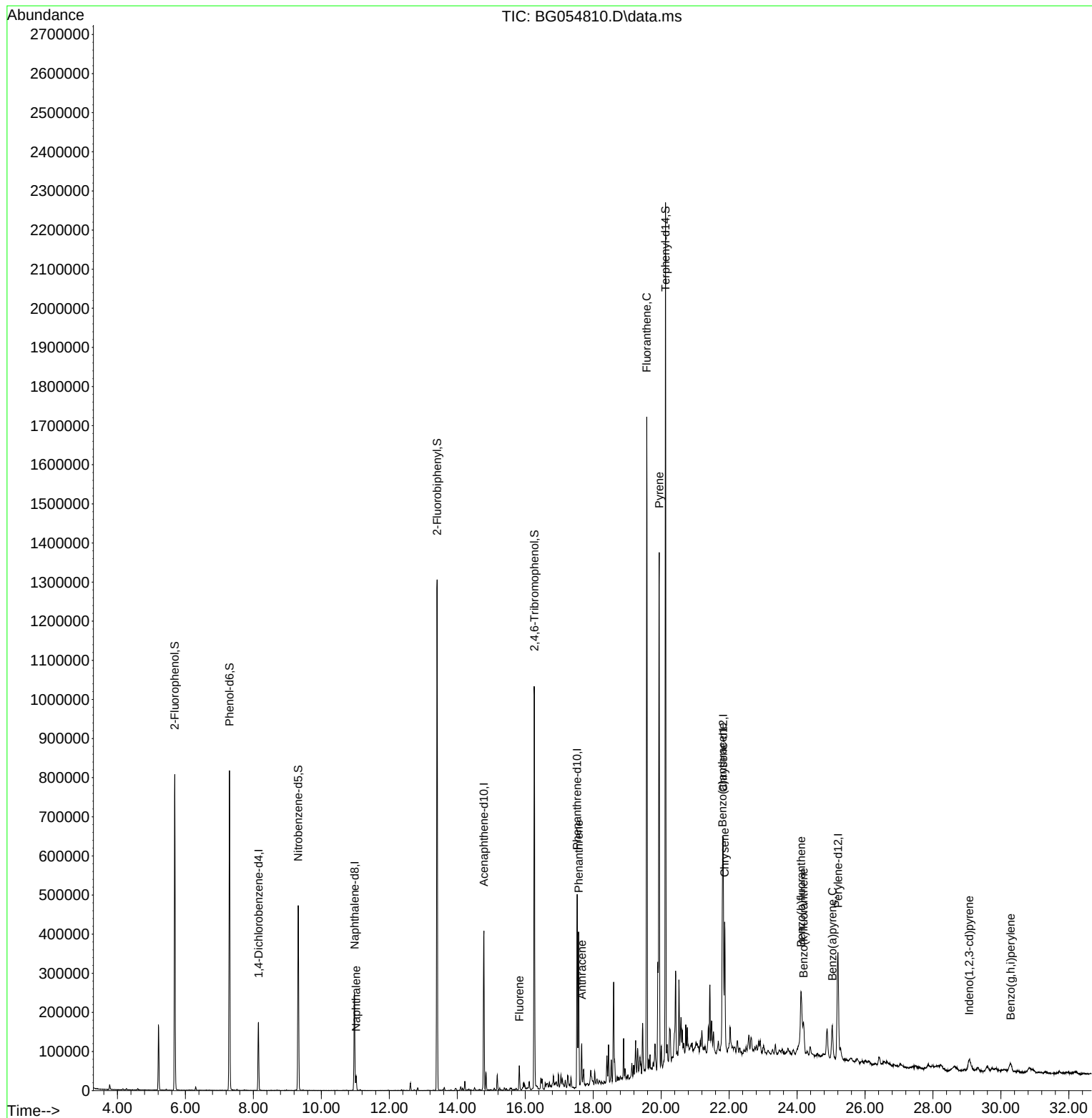
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083122\
Data File : BG054810.D
Acq On : 31 Aug 2022 17:25
Operator : CG/JU
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Misc :
ALS Vial : 12 Sample Multiplier: 1

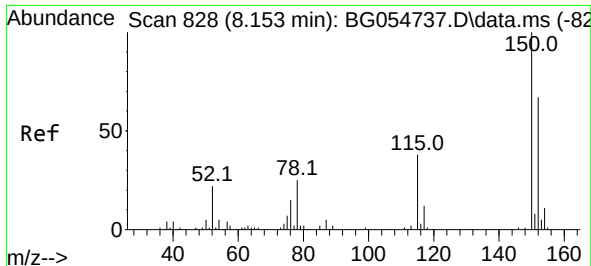
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Quant Time: Sep 01 05:04:23 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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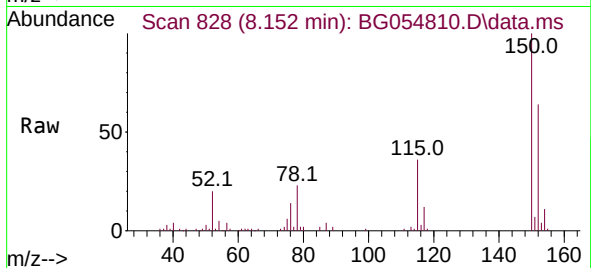
Reviewed By : Christian Giraldo 09/01/2022
Supervised By : Jagrut Upadhyay 09/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.152 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG054810.D
Acq: 31 Aug 2022 17:25

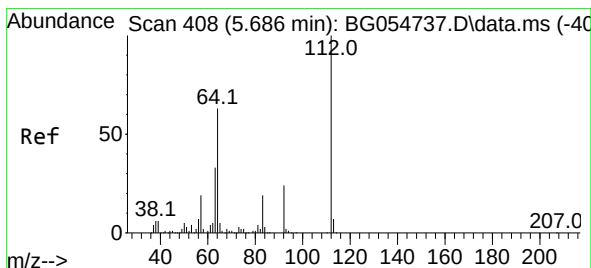
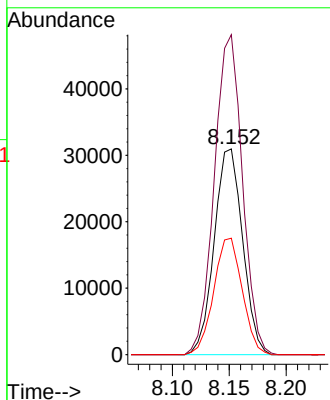
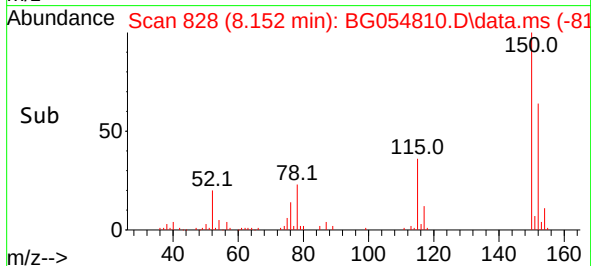
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BNA_G
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VNJ-241



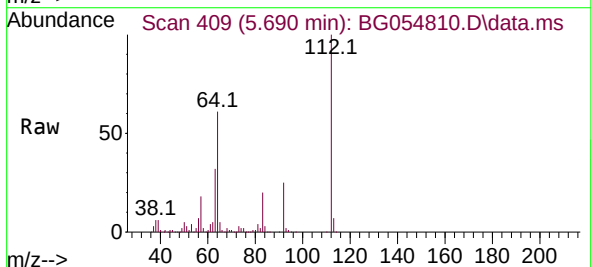
Tgt Ion:152 Resp: 53834
Ion Ratio Lower Upper
152 100
150 155.6 125.2 187.8
115 56.6 47.9 71.9

Manual Integrations
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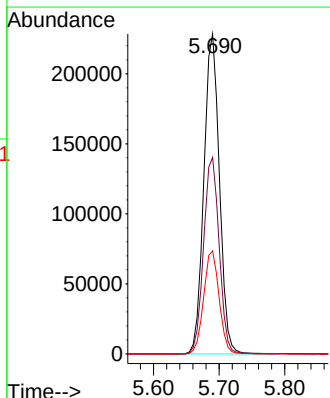
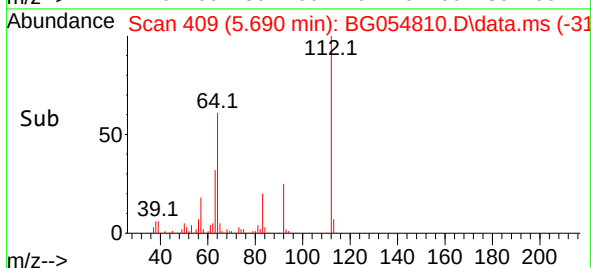
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022

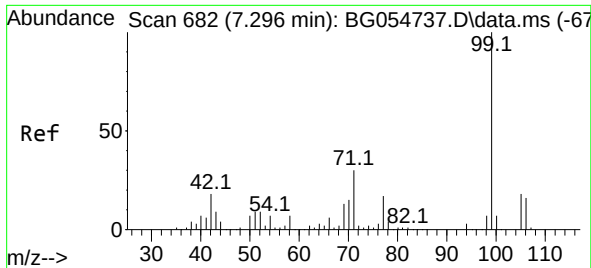


#5
2-Fluorophenol
Concen: 121.088 ng
RT: 5.690 min Scan# 409
Delta R.T. 0.004 min
Lab File: BG054810.D
Acq: 31 Aug 2022 17:25



Tgt Ion:112 Resp: 374342
Ion Ratio Lower Upper
112 100
64 61.4 49.3 73.9
63 32.2 26.3 39.5





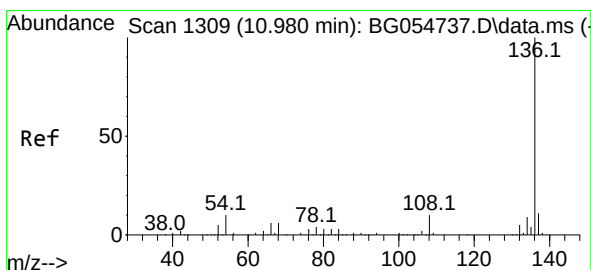
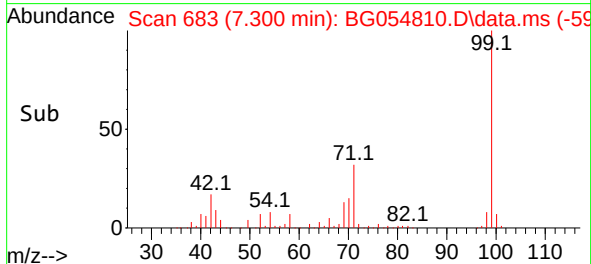
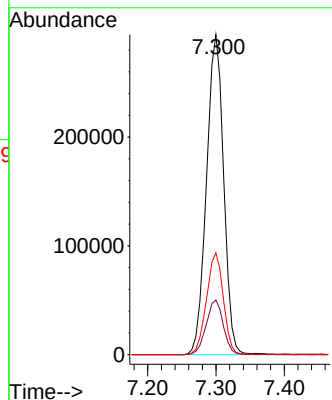
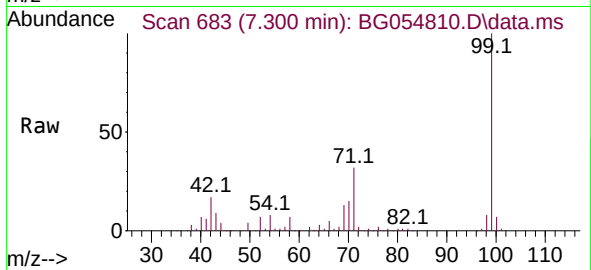
#7
Phenol-d6
Concen: 121.443 ng
RT: 7.300 min Scan# 682
Delta R.T. 0.004 min
Lab File: BG054810.D
Acq: 31 Aug 2022 17:25

Instrument :
BNA_G
ClientSampleId :
VNJ-241

Tgt Ion: 99 Resp: 51344
Ion Ratio Lower Upper
99 100
42 17.1 14.6 22.0
71 31.8 24.6 37.0

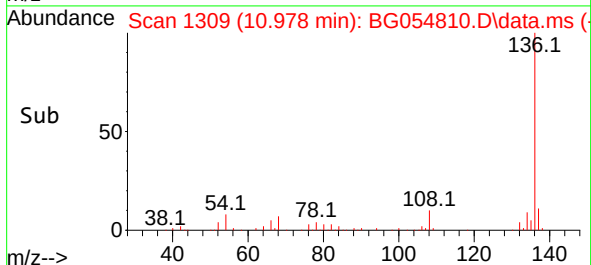
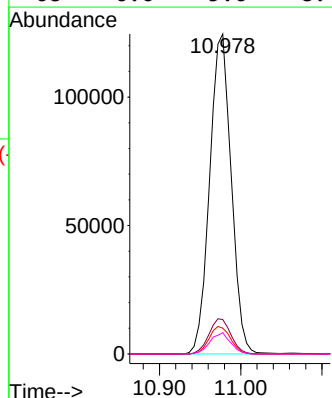
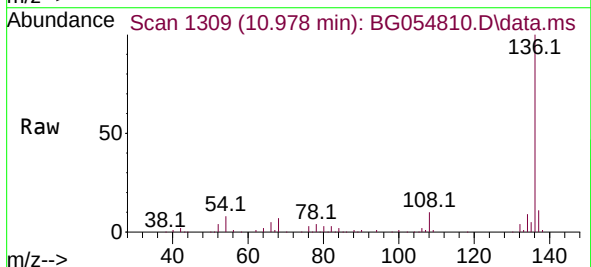
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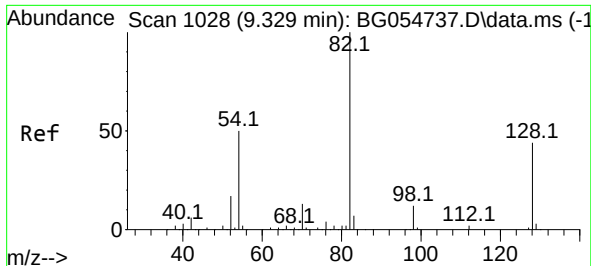
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.978 min Scan# 1309
Delta R.T. -0.002 min
Lab File: BG054810.D
Acq: 31 Aug 2022 17:25

Tgt Ion:136 Resp: 229273
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 8.0 7.7 11.5
68 6.6 5.6 8.4





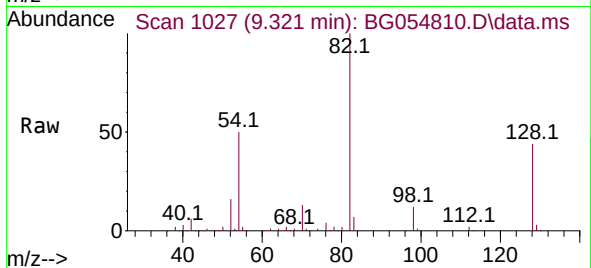
#23
Nitrobenzene-d5
Concen: 70.217 ng
RT: 9.321 min Scan# 1027
Delta R.T. -0.008 min
Lab File: BG054810.D
Acq: 31 Aug 2022 17:25

Instrument :

BNA_G

ClientSampleId :

VNJ-241

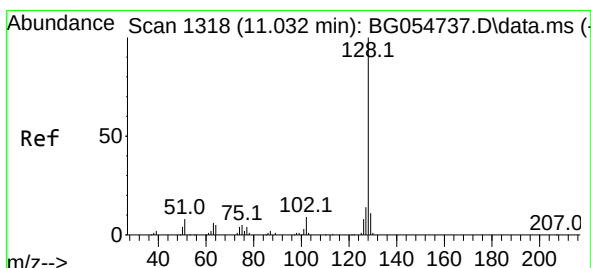
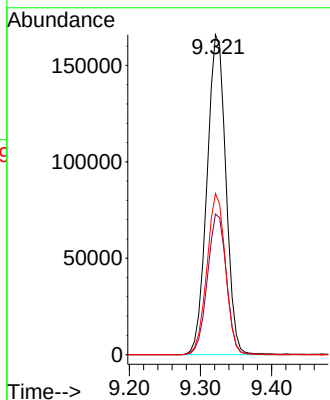
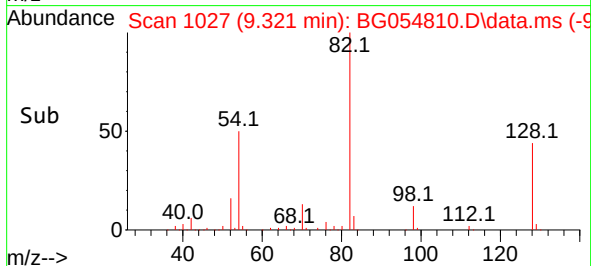


Tgt Ion: 82 Resp: 306666
Ion Ratio Lower Upper
82 100
128 43.9 32.2 48.2
54 50.3 41.4 62.0

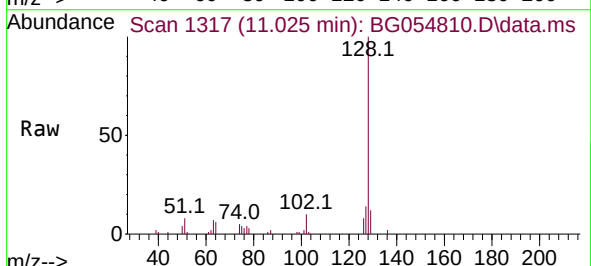
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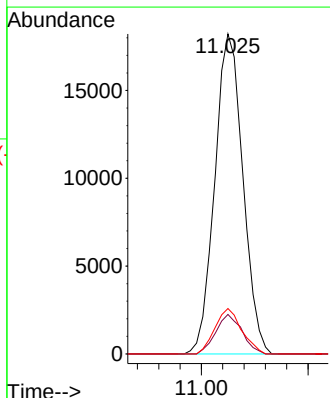
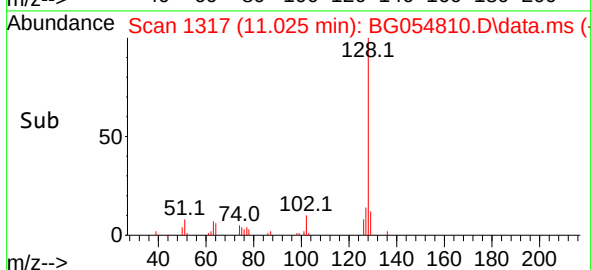
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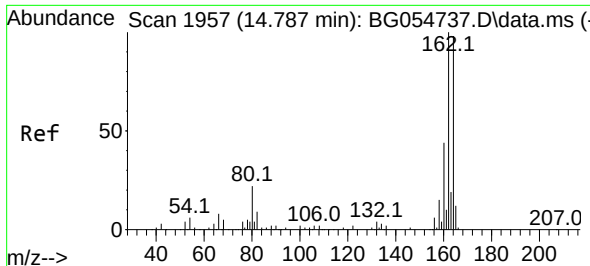


#31
Naphthalene
Concen: 2.709 ng
RT: 11.025 min Scan# 1317
Delta R.T. -0.008 min
Lab File: BG054810.D
Acq: 31 Aug 2022 17:25



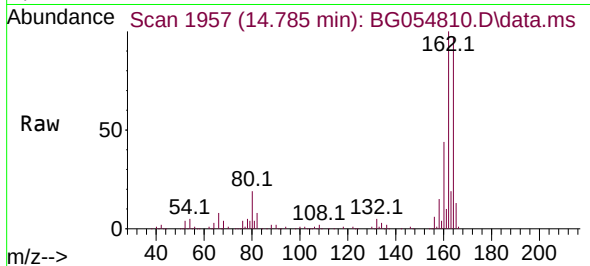
Tgt Ion:128 Resp: 33329
Ion Ratio Lower Upper
128 100
129 12.3 9.0 13.4
127 14.2 11.1 16.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.785 min Scan# 1957
Delta R.T. -0.002 min
Lab File: BG054810.D
Acq: 31 Aug 2022 17:25

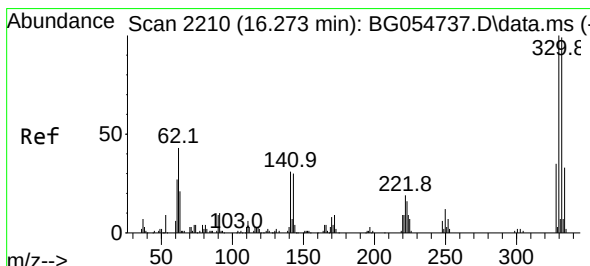
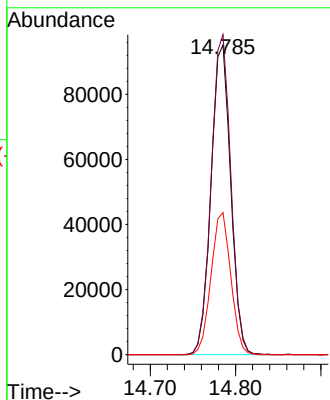
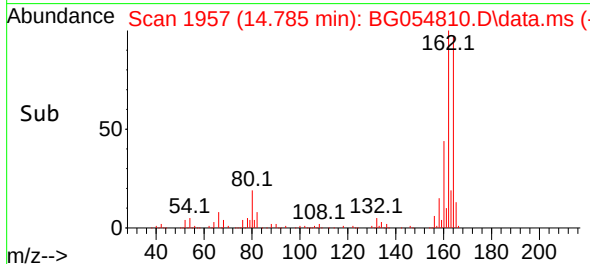
Instrument :
BNA_G
ClientSampleId :
VNJ-241



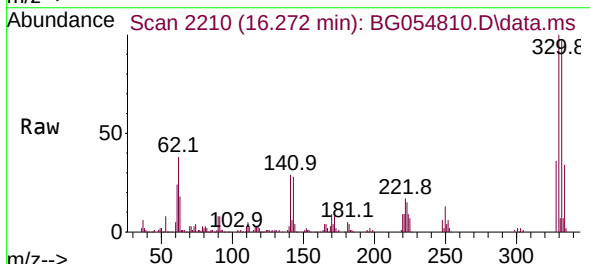
Tgt Ion:164 Resp: 152100
Ion Ratio Lower Upper
164 100
162 103.4 83.0 124.4
160 45.9 38.0 57.0

Manual Integrations
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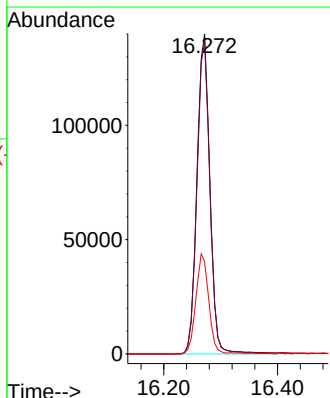
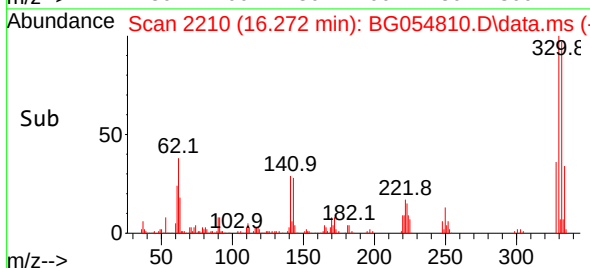
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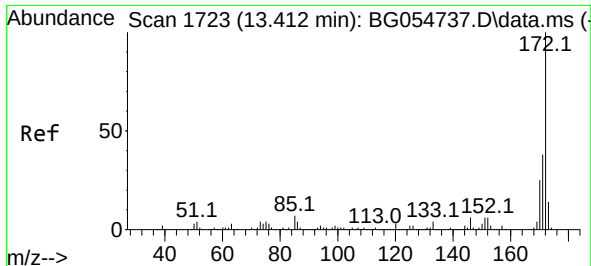


#42
2,4,6-Tribromophenol
Concen: 116.148 ng
RT: 16.272 min Scan# 2210
Delta R.T. -0.002 min
Lab File: BG054810.D
Acq: 31 Aug 2022 17:25



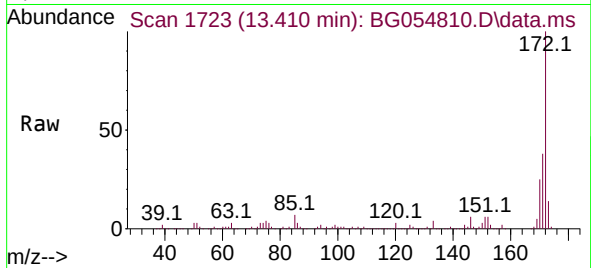
Tgt Ion:330 Resp: 220749
Ion Ratio Lower Upper
330 100
332 97.2 79.8 119.6
141 30.8 26.8 40.2





#45
2-Fluorobiphenyl
Concen: 70.128 ng
RT: 13.410 min Scan# 1723
Delta R.T. -0.002 min
Lab File: BG054810.D
Acq: 31 Aug 2022 17:25

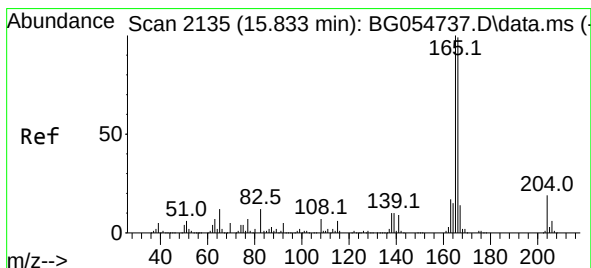
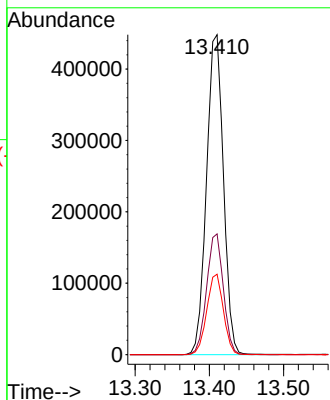
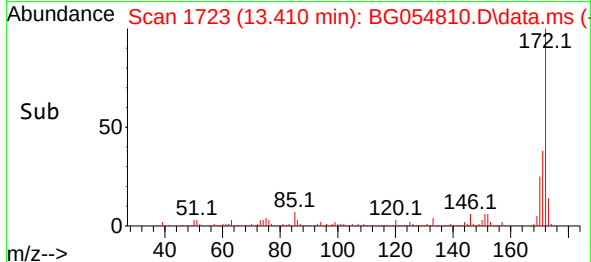
Instrument :
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VNJ-241



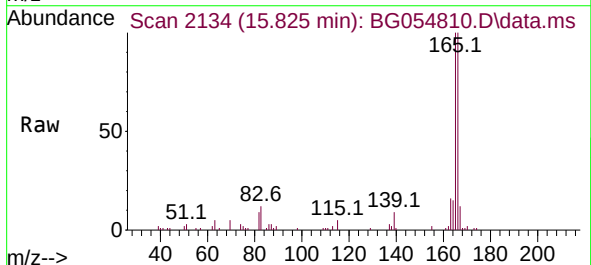
Tgt Ion:172 Resp: 709669
Ion Ratio Lower Upper
172 100
171 37.7 31.2 46.8
170 25.1 20.6 30.8

Manual Integrations
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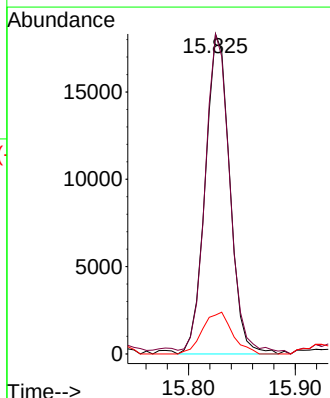
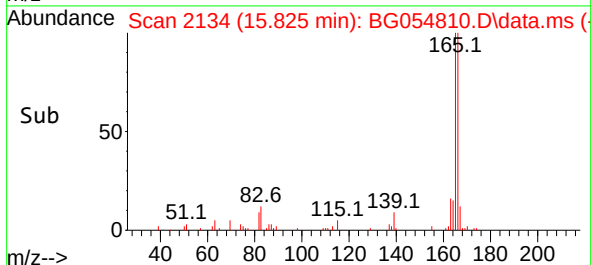
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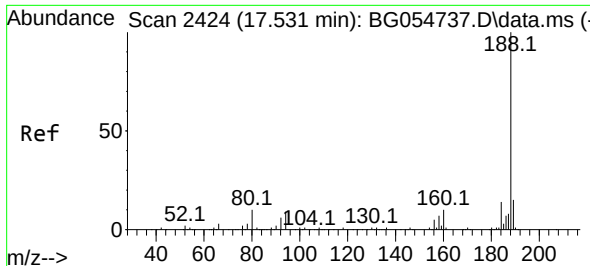


#58
Fluorene
Concen: 2.598 ng
RT: 15.825 min Scan# 2134
Delta R.T. -0.008 min
Lab File: BG054810.D
Acq: 31 Aug 2022 17:25



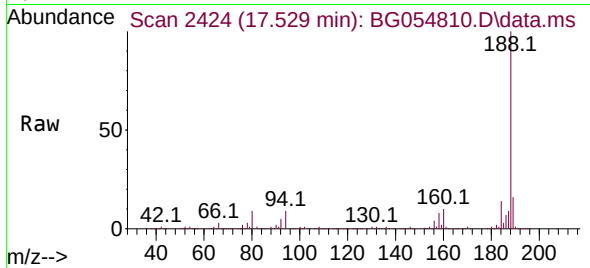
Tgt Ion:166 Resp: 29237
Ion Ratio Lower Upper
166 100
165 100.0 80.8 121.2
167 12.1 11.4 17.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.529 min Scan# 2424
Delta R.T. -0.002 min
Lab File: BG054810.D
Acq: 31 Aug 2022 17:25

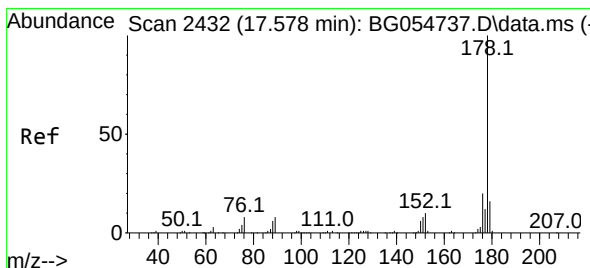
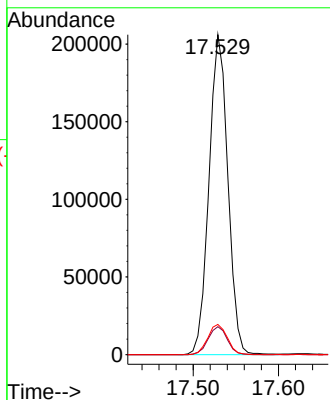
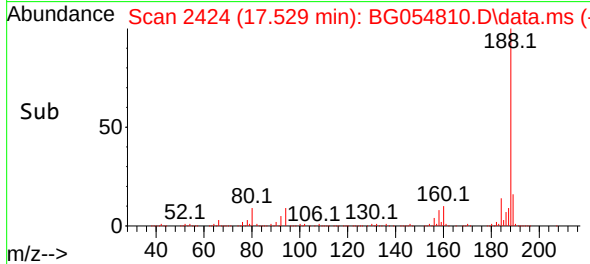
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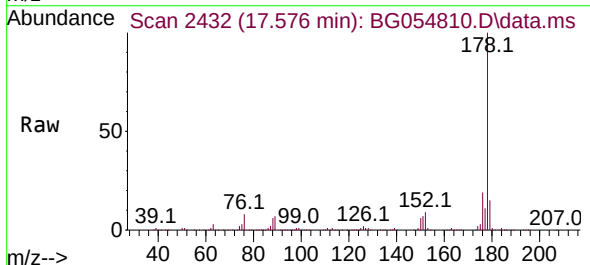
Tgt Ion:188 Resp: 316263
Ion Ratio Lower Upper
188 100
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80 9.4 7.9 11.9

Manual Integrations
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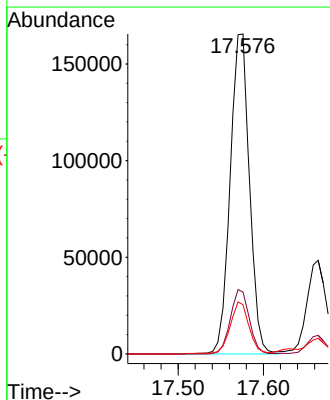
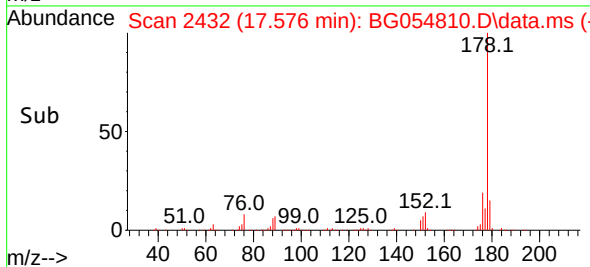
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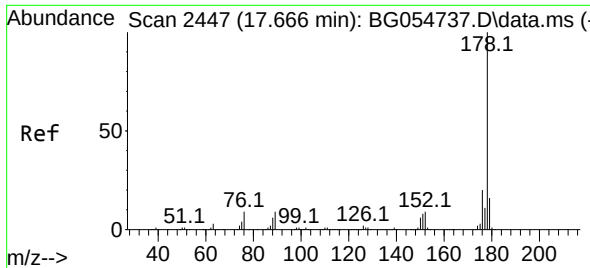


#71
Phenanthrene
Concen: 15.417 ng
RT: 17.576 min Scan# 2432
Delta R.T. -0.002 min
Lab File: BG054810.D
Acq: 31 Aug 2022 17:25



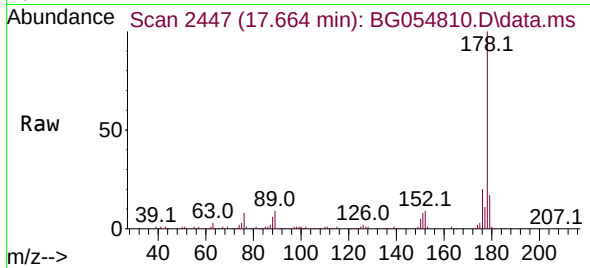
Tgt Ion:178 Resp: 259734
Ion Ratio Lower Upper
178 100
176 19.4 16.6 25.0
179 15.4 12.8 19.2





#72
 Anthracene
 Concen: 4.654 ng
 RT: 17.664 min Scan# 2447
 Delta R.T. -0.002 min
 Lab File: BG054810.D
 Acq: 31 Aug 2022 17:25

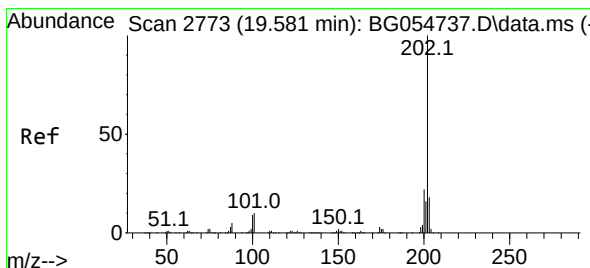
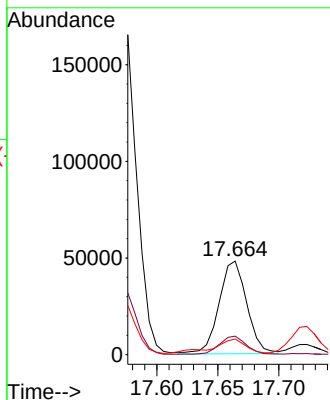
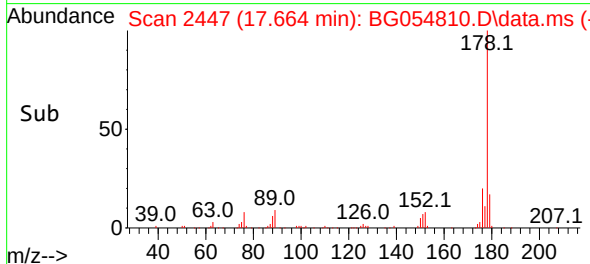
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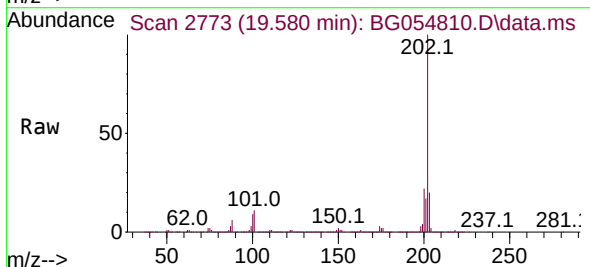
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 Ion Ratio Lower Upper
 178 100
 176 19.8 16.2 24.4
 179 16.8 12.9 19.3

Manual Integrations
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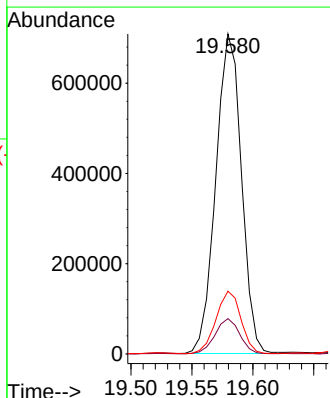
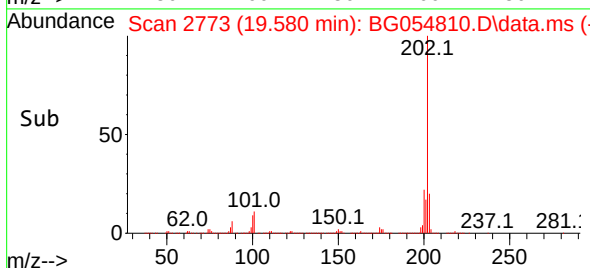
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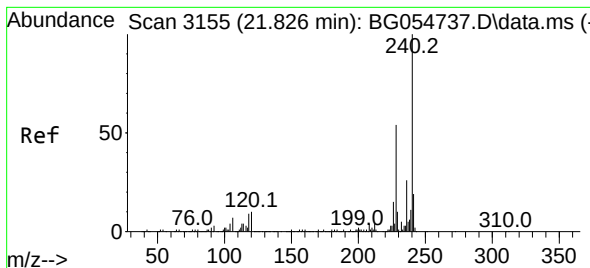


#75
 Fluoranthene
 Concen: 50.561 ng
 RT: 19.580 min Scan# 2773
 Delta R.T. -0.002 min
 Lab File: BG054810.D
 Acq: 31 Aug 2022 17:25



Tgt Ion:202 Resp: 1036243
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 31.4
 203 19.6 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.824 min Scan# 3155

Delta R.T. -0.002 min

Lab File: BG054810.D

Acq: 31 Aug 2022 17:25

Instrument :

BNA_G

ClientSampleId :

VNJ-241

Tgt Ion:240 Resp: 287518

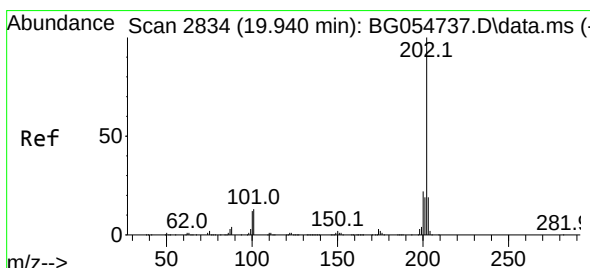
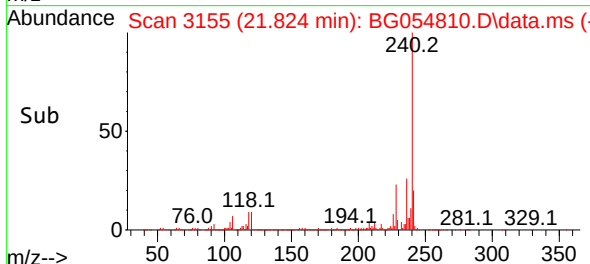
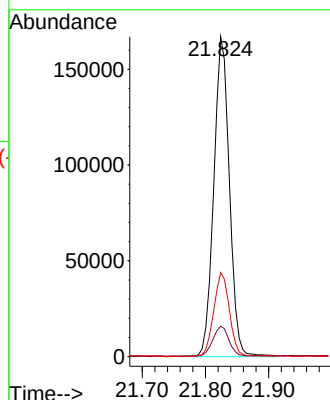
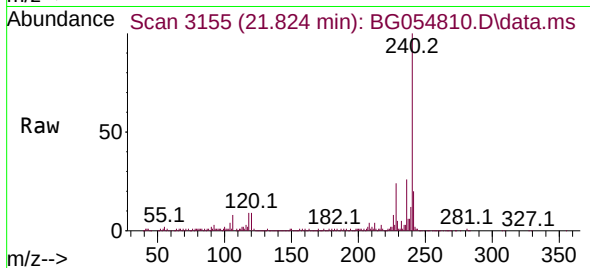
Ion	Ratio	Lower	Upper
240	100		
120	9.5	8.2	12.4
236	26.3	21.2	31.8

Manual Integrations

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Reviewed By :Christian Giraldo 09/01/2022

Supervised By :Jagrut Upadhyay 09/01/2022



#78

Pyrene

Concen: 42.472 ng

RT: 19.944 min Scan# 2835

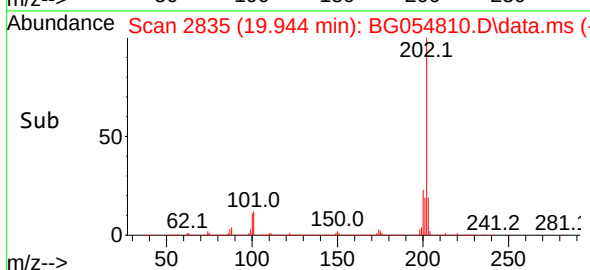
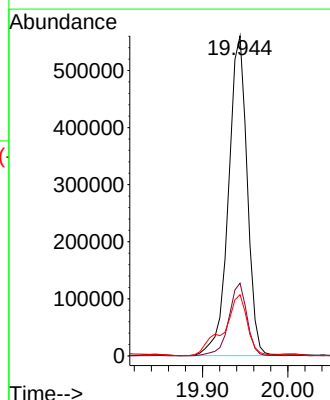
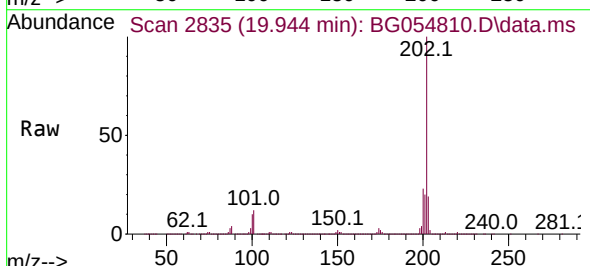
Delta R.T. 0.004 min

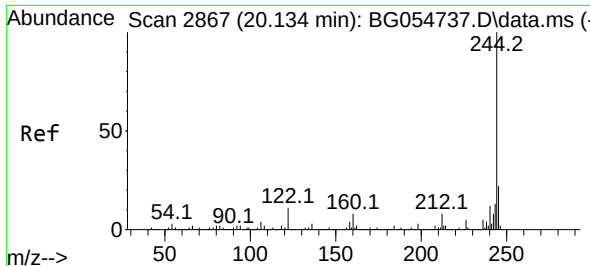
Lab File: BG054810.D

Acq: 31 Aug 2022 17:25

Tgt Ion:202 Resp: 851502

Ion	Ratio	Lower	Upper
202	100		
200	22.7	17.8	26.6
203	19.1	14.6	21.8





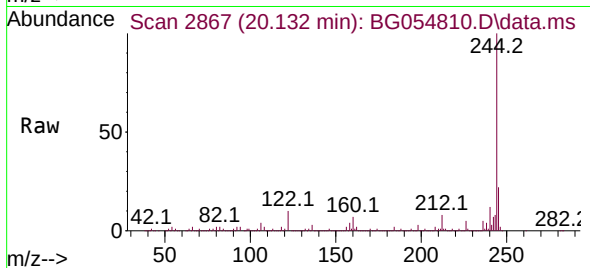
#79
 Terphenyl-d14
 Concen: 74.554 ng
 RT: 20.132 min Scan# 2867
 Delta R.T. -0.002 min
 Lab File: BG054810.D
 Acq: 31 Aug 2022 17:25

Instrument :

BNA_G

ClientSampleId :

VNJ-241

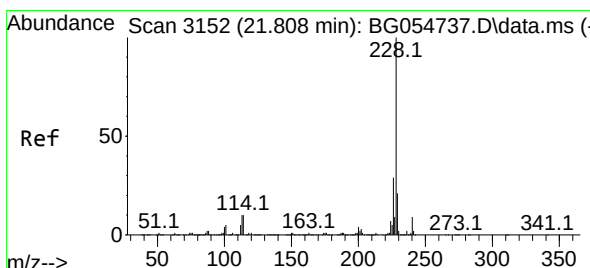
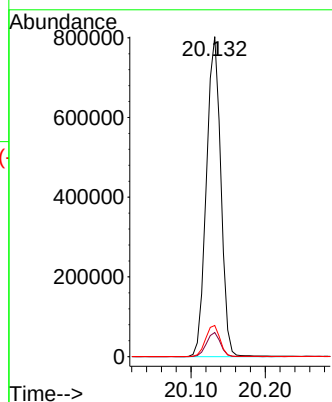
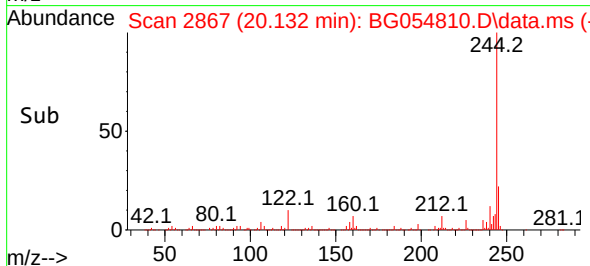


Tgt Ion:244 Resp: 108184
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 9.7 9.0 13.6

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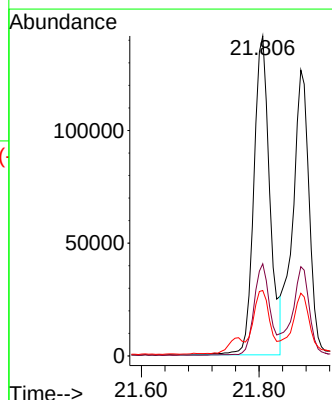
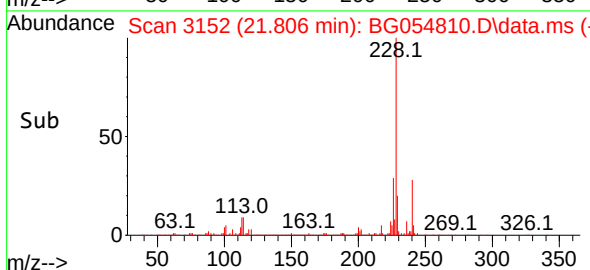
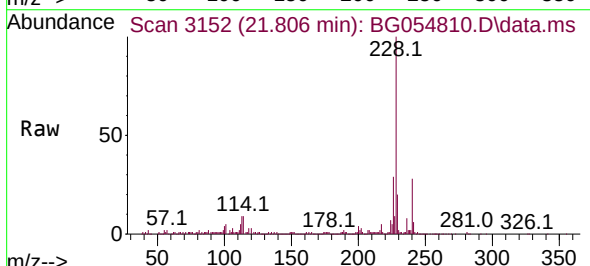
APPROVED

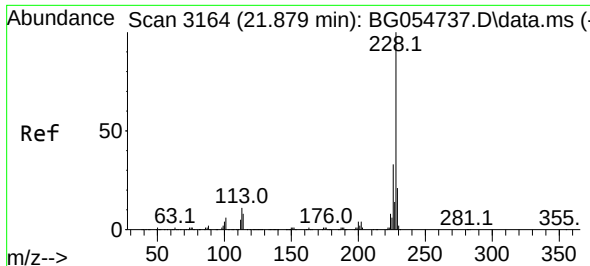
Reviewed By :Christian Giraldo 09/01/2022
 Supervised By :Jagrut Upadhyay 09/01/2022



#81
 Benzo(a)anthracene
 Concen: 13.707 ng
 RT: 21.806 min Scan# 3152
 Delta R.T. -0.002 min
 Lab File: BG054810.D
 Acq: 31 Aug 2022 17:25

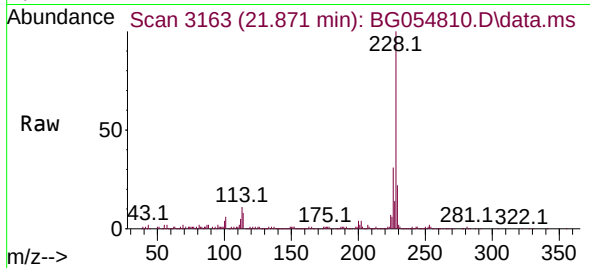
Tgt Ion:228 Resp: 267206
 Ion Ratio Lower Upper
 228 100
 226 28.8 23.4 35.2
 229 20.4 16.5 24.7





#83
Chrysene
Concen: 13.099 ng
RT: 21.871 min Scan# 3163
Delta R.T. -0.008 min
Lab File: BG054810.D
Acq: 31 Aug 2022 17:25

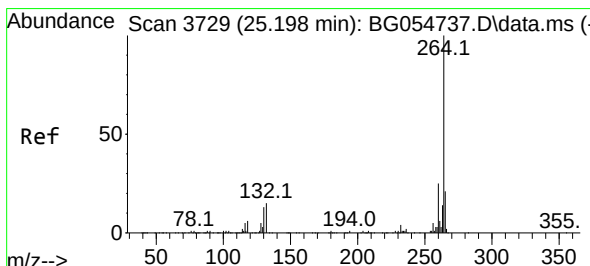
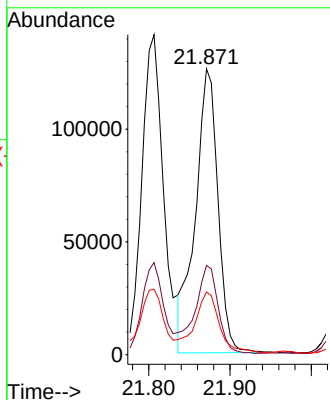
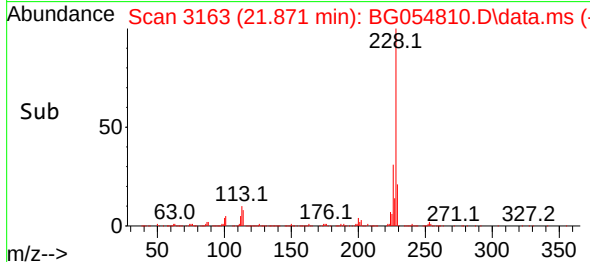
Instrument :
BNA_G
ClientSampleId :
VNJ-241



Tgt Ion:228 Resp: 24415
Ion Ratio Lower Upper
228 100
226 31.2 25.5 38.3
229 21.9 16.8 25.2

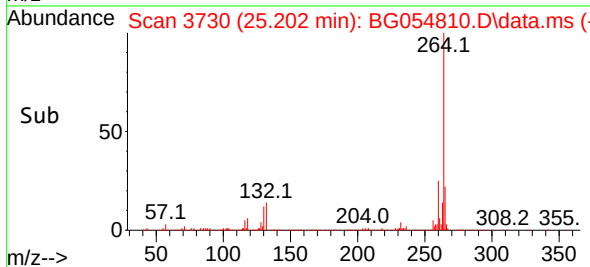
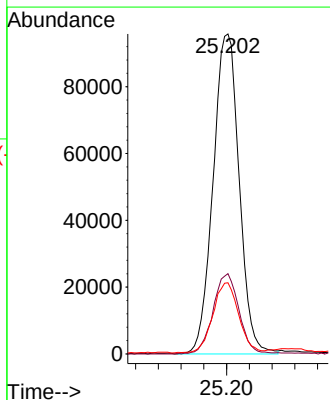
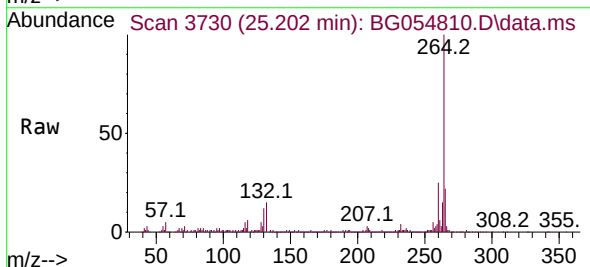
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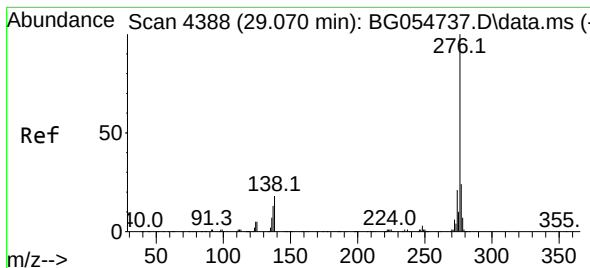
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.202 min Scan# 3730
Delta R.T. 0.004 min
Lab File: BG054810.D
Acq: 31 Aug 2022 17:25

Tgt Ion:264 Resp: 305096
Ion Ratio Lower Upper
264 100
260 25.1 19.9 29.9
265 22.2 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.188 ng

RT: 29.063 min Scan# 4388

Delta R.T. -0.008 min

Lab File: BG054810.D

Acq: 31 Aug 2022 17:25

Instrument :

BNA_G

ClientSampleId :

VNJ-241

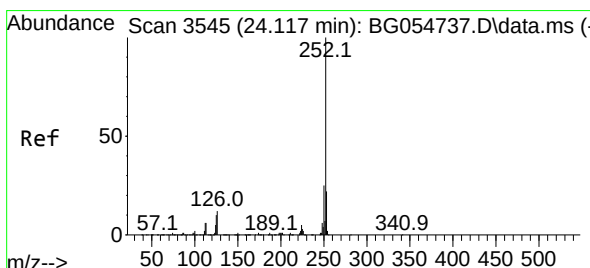
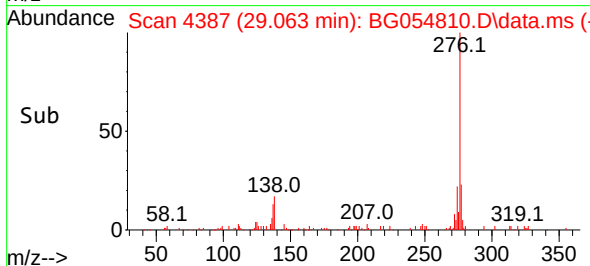
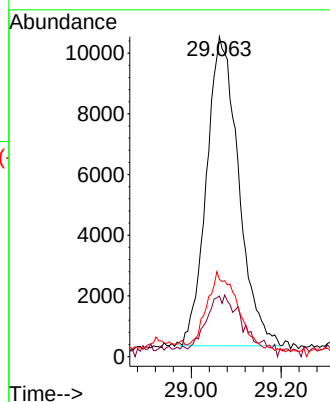
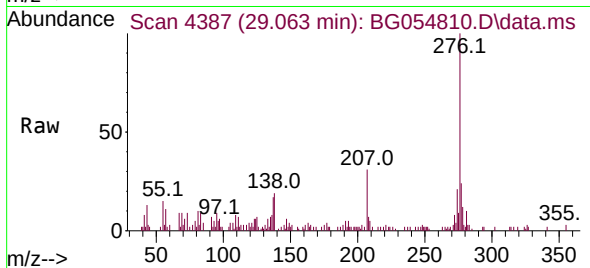
Tgt Ion:276 Resp: 50674
 Ion Ratio Lower Upper
 276 100
 138 8.6 12.0 18.0
 277 23.9 20.2 30.4

Manual Integrations

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Reviewed By :Christian Giraldo 09/01/2022

Supervised By :Jagrut Upadhyay 09/01/2022



#88

Benzo(b)fluoranthene

Concen: 9.931 ng

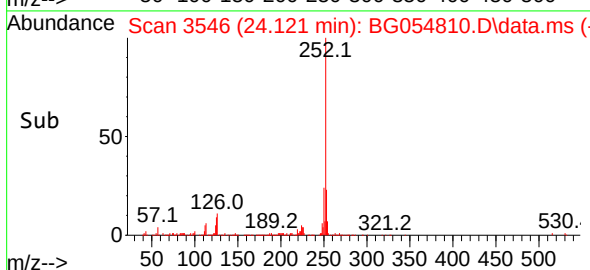
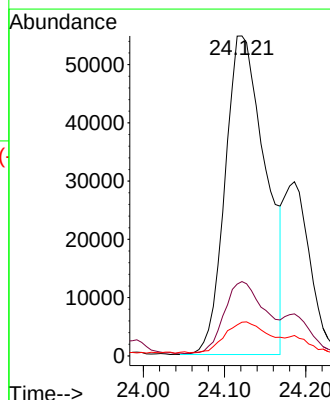
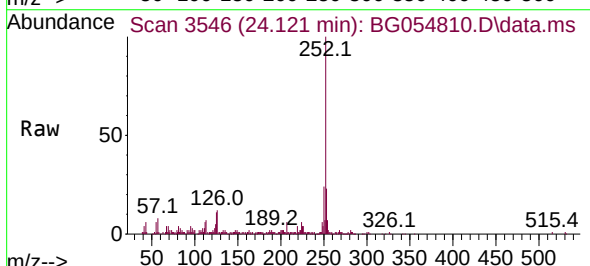
RT: 24.121 min Scan# 3546

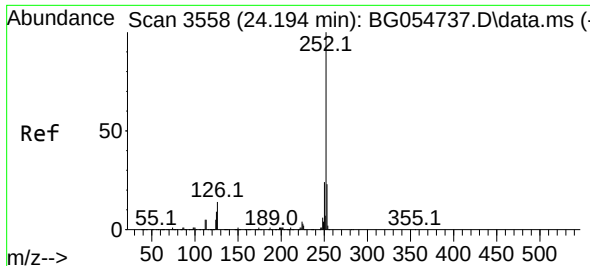
Delta R.T. 0.004 min

Lab File: BG054810.D

Acq: 31 Aug 2022 17:25

Tgt Ion:252 Resp: 190064
 Ion Ratio Lower Upper
 252 100
 253 23.2 18.0 27.0
 125 10.5 8.1 12.1





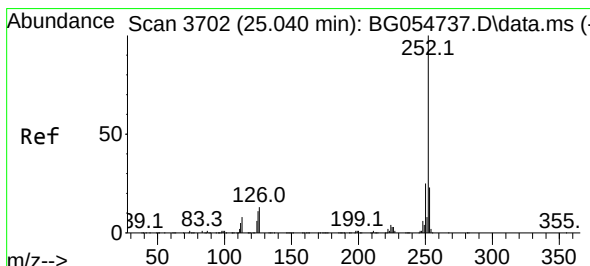
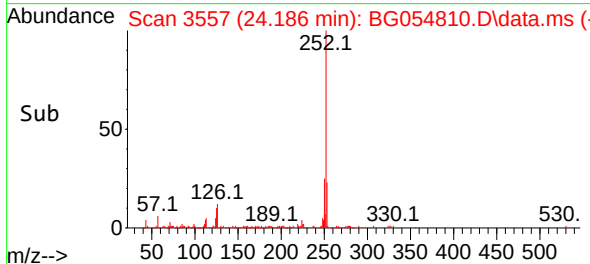
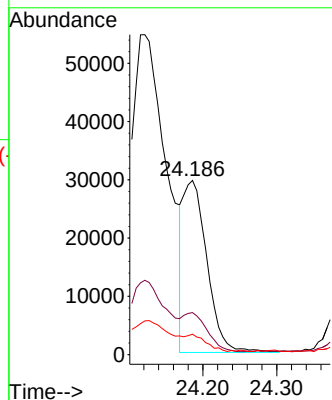
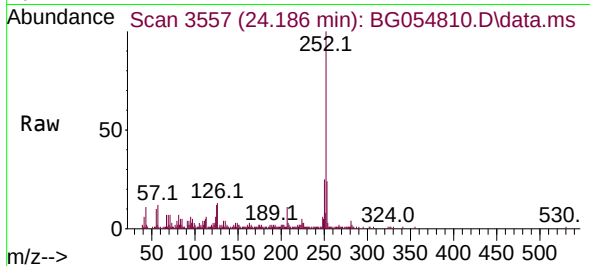
#89
Benzo(k)fluoranthene
Concen: 3.432 ng m
RT: 24.186 min Scan# 3558
Delta R.T. -0.008 min
Lab File: BG054810.D
Acq: 31 Aug 2022 17:25

Instrument :
BNA_G
ClientSampleId :
VNJ-241

Tgt Ion:252 Resp: 66113
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 11.7 8.2 12.4

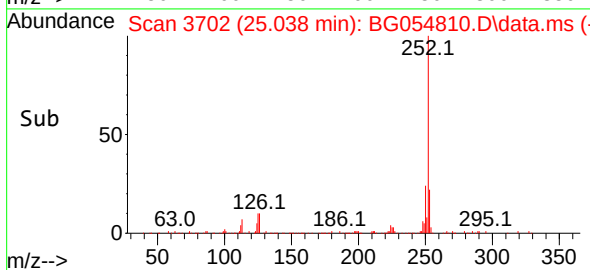
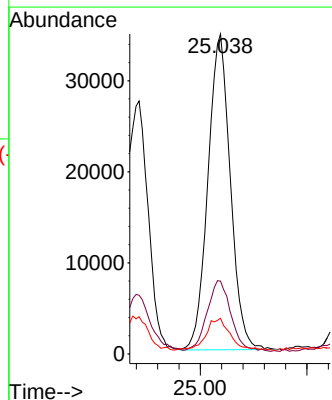
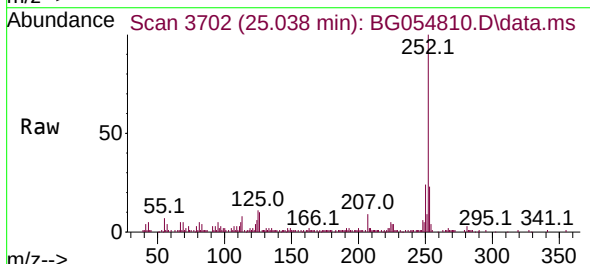
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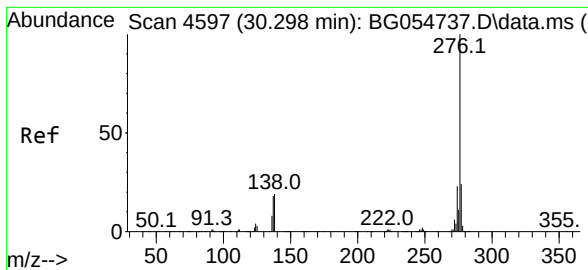
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022



#90
Benzo(a)pyrene
Concen: 6.198 ng
RT: 25.038 min Scan# 3702
Delta R.T. -0.002 min
Lab File: BG054810.D
Acq: 31 Aug 2022 17:25

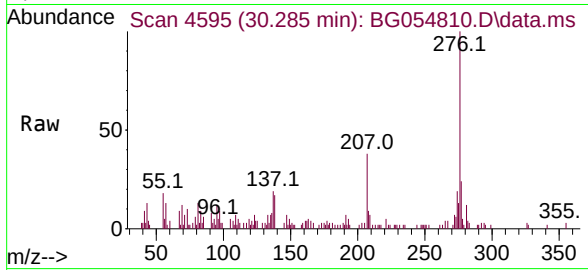
Tgt Ion:252 Resp: 101353
Ion Ratio Lower Upper
252 100
253 22.7 18.3 27.5
125 11.1 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.624 ng
 RT: 30.285 min Scan# 4595
 Delta R.T. -0.013 min
 Lab File: BG054810.D
 Acq: 31 Aug 2022 17:25

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-241



Tgt Ion: 276 Resp: 5002

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.0
138	16.8	16.6	25.0

Manual Integrations
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Reviewed By :Christian Giraldo 09/01/2022
 Supervised By :Jagrut Upadhyay 09/01/2022

