

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090722\
 Data File : BG054871.D
 Acq On : 7 Sep 2022 16:27
 Operator : CG/JU
 Sample : N4512-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-214

Manual Integrations
 APPROVED

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

Quant Time: Sep 08 04:44:41 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	8.147	152	44777	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	183924	20.000	ng	0.00
39) Acenaphthene-d10	14.787	164	123772	20.000	ng	0.00
64) Phenanthrene-d10	17.531	188	269460	20.000	ng	0.00
76) Chrysene-d12	21.831	240	246615	20.000	ng	0.00
86) Perylene-d12	25.210	264	262204	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.692	112	309224	120.256	ng	0.00
7) Phenol-d6	7.307	99	424828	120.807	ng	0.01
23) Nitrobenzene-d5	9.323	82	257319	73.445	ng	0.00
42) 2,4,6-Tribromophenol	16.273	330	189456	122.497	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	647458	78.624	ng	0.00
79) Terphenyl-d14	20.133	244	962976	77.369	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.572	178	163903	11.418	ng	98
75) Fluoranthene	19.581	202	324263	18.570	ng	97
78) Pyrene	19.945	202	299256	17.402	ng	99
81) Benzo(a)anthracene	21.808	228	132737	7.938	ng	99
83) Chrysene	21.878	228	147963	9.255	ng	99
84) Bis(2-ethylhexyl)phtha...	21.685	149	45799	4.432	ng	# 98
87) Indeno(1,2,3-cd)pyrene	29.094	276	100433	5.045	ng	# 94
88) Benzo(b)fluoranthene	24.129	252	198122	12.045	ng	98
89) Benzo(k)fluoranthene	24.193	252	67092m	4.053	ng	
90) Benzo(a)pyrene	25.045	252	133222	9.480	ng	100
92) Benzo(g,h,i)perylene	30.322	276	100686	6.146	ng	97

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

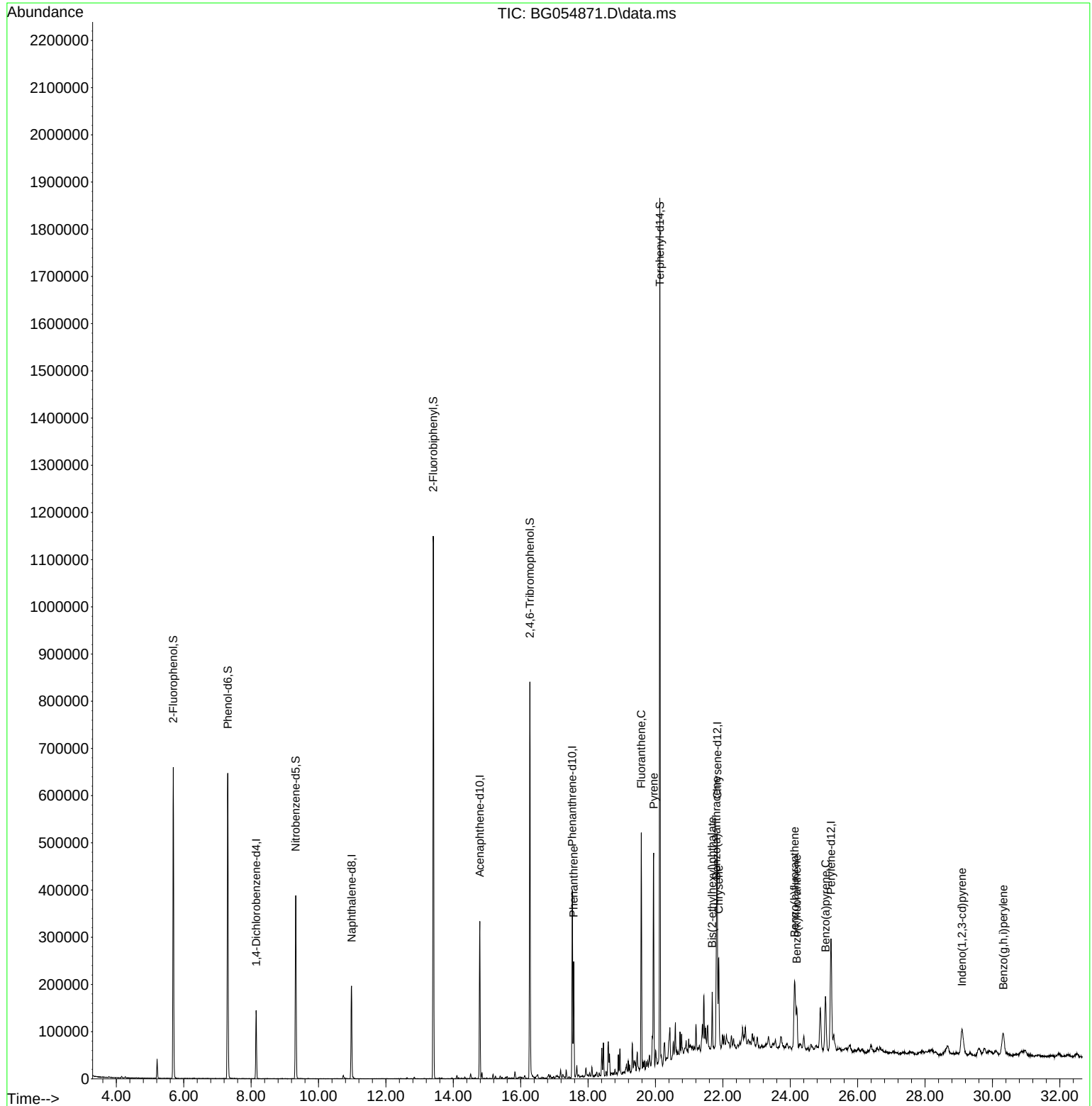
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090722\
Data File : BG054871.D
Acq On : 7 Sep 2022 16:27
Operator : CG/JU
Sample : N4512-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

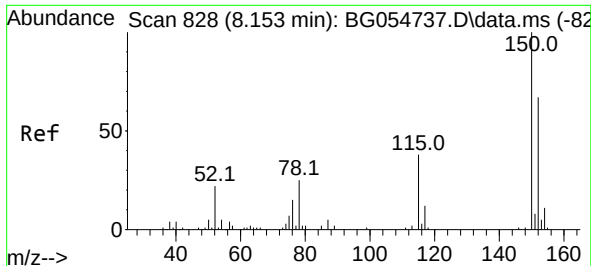
Instrument :
BNA_G
ClientSampleId :
VNJ-214

Quant Time: Sep 08 04:44:41 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
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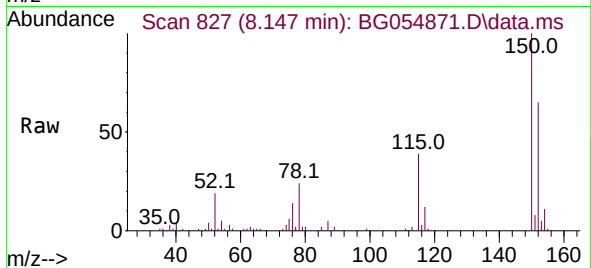
Reviewed By : Christian Giraldo 09/08/2022
Supervised By : Jagrut Upadhyay 09/08/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

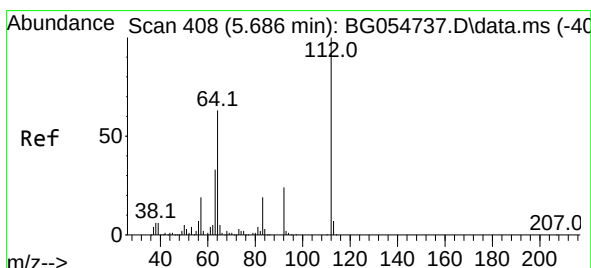
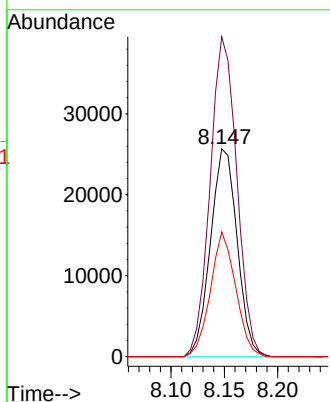
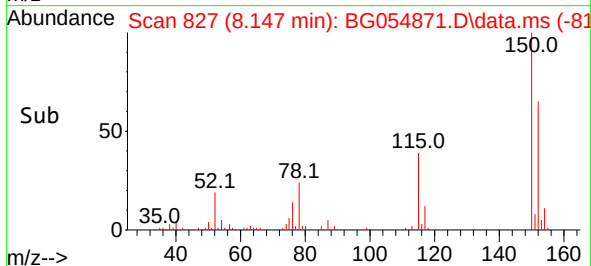
Instrument :
BNA_G
ClientSampleId :
VNJ-214



Tgt Ion:152 Resp: 4477
Ion Ratio Lower Upper
152 100
150 154.1 125.2 187.8
115 60.0 47.9 71.9

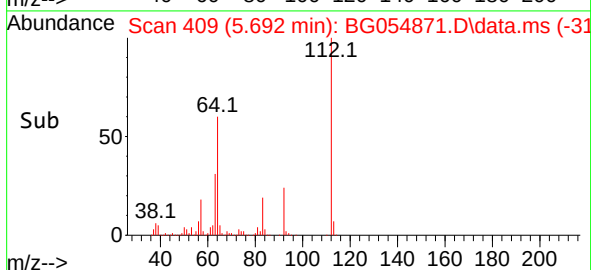
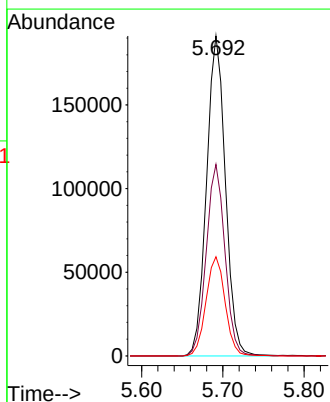
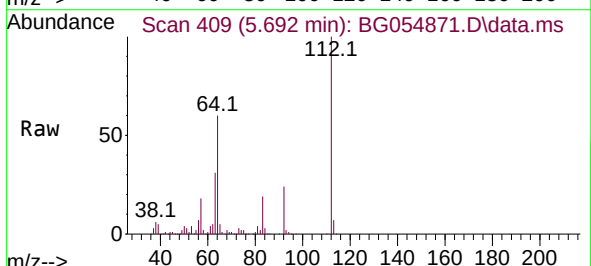
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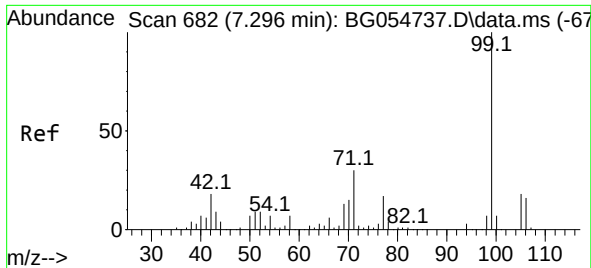
Reviewed By :Christian Giraldo 09/08/2022
Supervised By :Jagrut Upadhyay 09/08/2022



#5
2-Fluorophenol
Concen: 120.256 ng
RT: 5.692 min Scan# 409
Delta R.T. 0.006 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

Tgt Ion:112 Resp: 309224
Ion Ratio Lower Upper
112 100
64 59.8 49.3 73.9
63 31.0 26.3 39.5





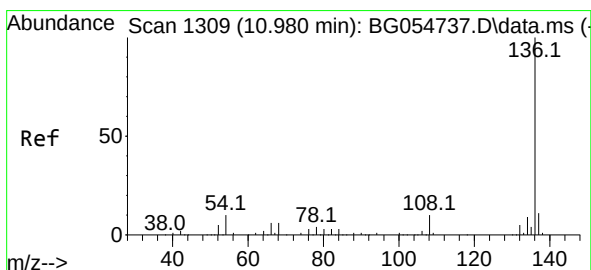
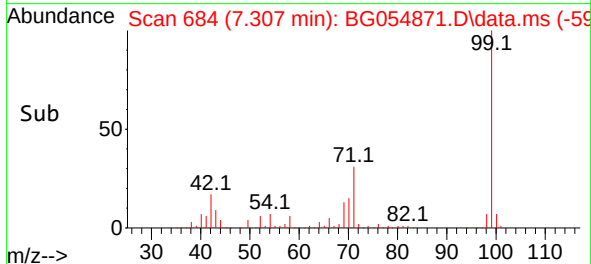
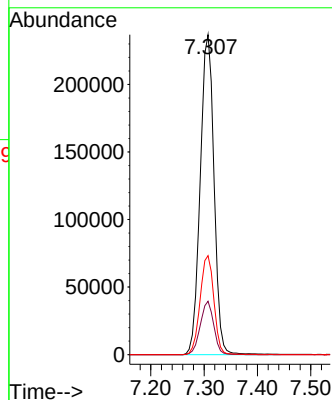
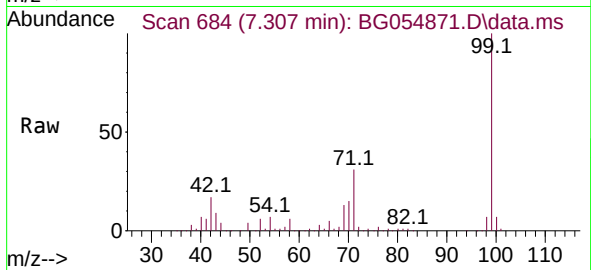
#7
Phenol-d6
Concen: 120.807 ng
RT: 7.307 min Scan# 684
Delta R.T. 0.012 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

Instrument :
BNA_G
ClientSampleId :
VNJ-214

Tgt Ion: 99 Resp: 424828
Ion Ratio Lower Upper
99 100
42 16.7 14.6 22.0
71 30.9 24.6 37.0

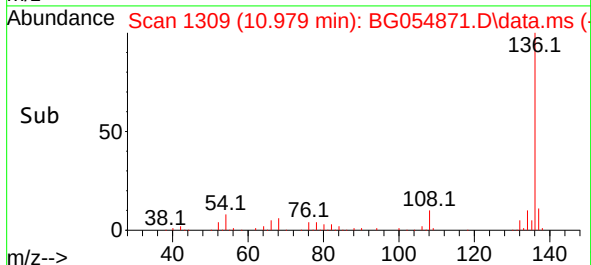
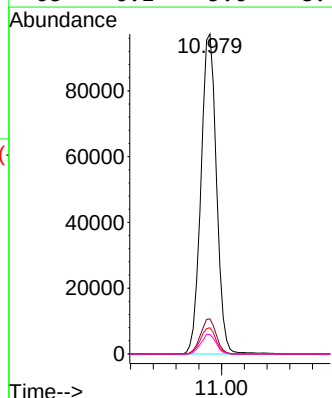
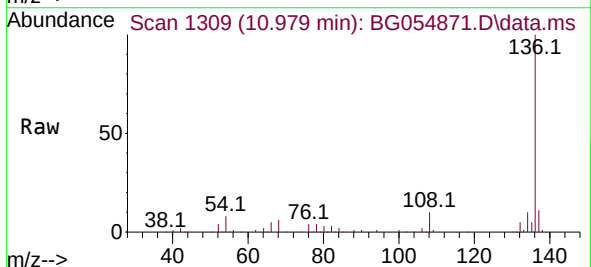
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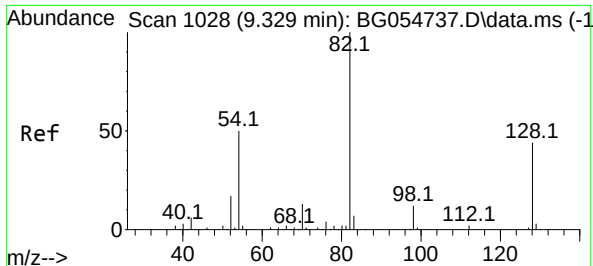
Reviewed By :Christian Giraldo 09/08/2022
Supervised By :Jagrut Upadhyay 09/08/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1309
Delta R.T. -0.001 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

Tgt Ion:136 Resp: 183924
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 8.2 7.7 11.5
68 6.1 5.6 8.4





#23
Nitrobenzene-d5
Concen: 73.445 ng
RT: 9.323 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

Instrument :

BNA_G

ClientSampleId :

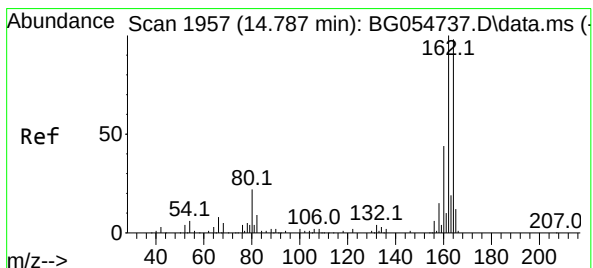
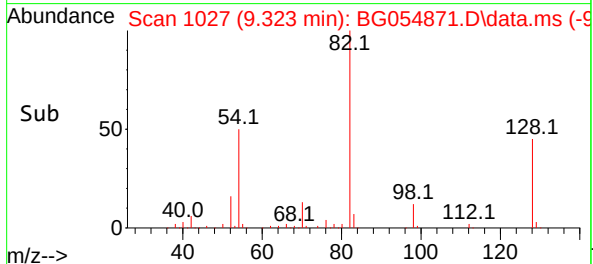
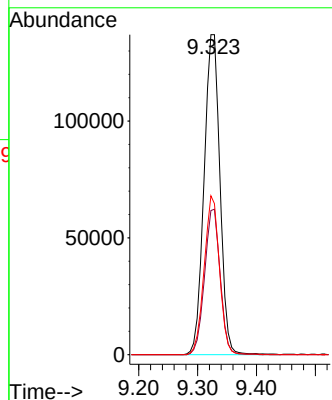
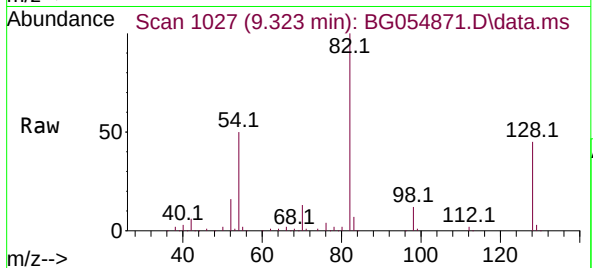
VNJ-214

Tgt Ion: 82 Resp: 257319
Ion Ratio Lower Upper
82 100
128 45.0 32.2 48.2
54 49.6 41.4 62.0

Manual Integrations

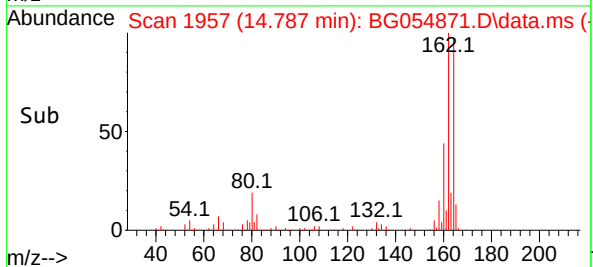
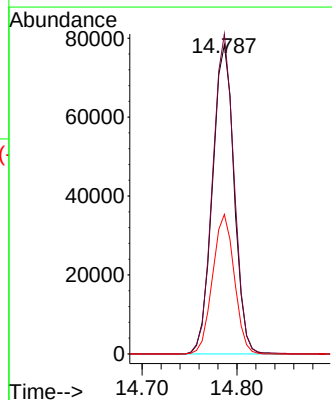
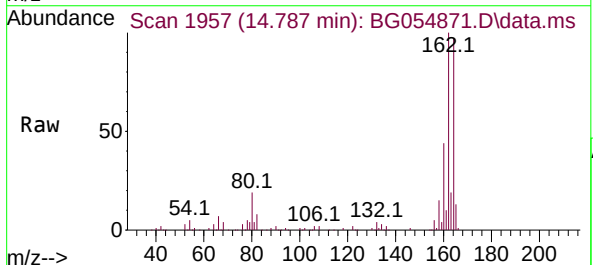
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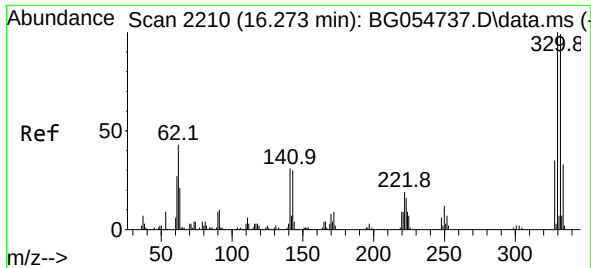
Reviewed By :Christian Giraldo 09/08/2022
Supervised By :Jagrut Upadhyay 09/08/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.787 min Scan# 1957
Delta R.T. -0.000 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

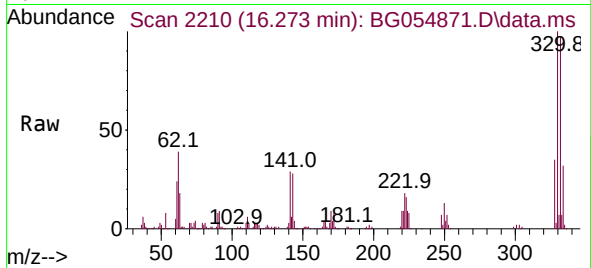
Tgt Ion:164 Resp: 123772
Ion Ratio Lower Upper
164 100
162 103.5 83.0 124.4
160 45.1 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 122.497 ng
RT: 16.273 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

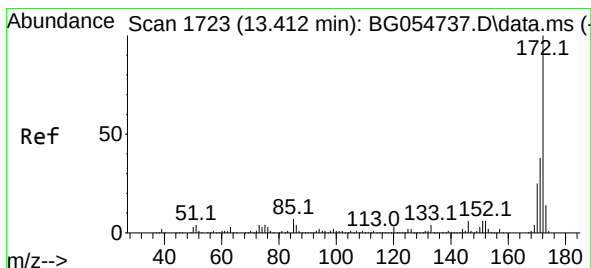
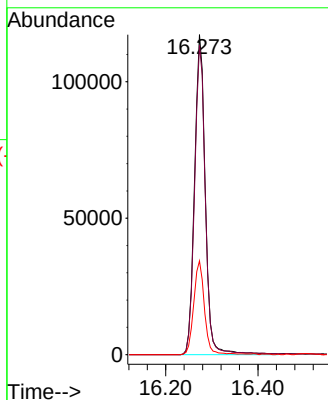
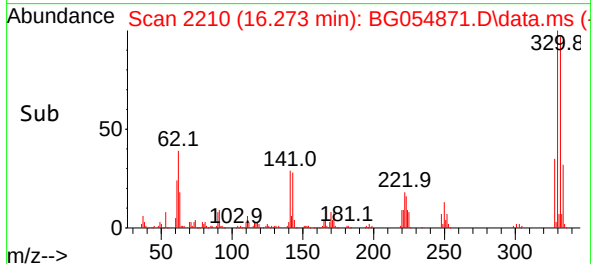
Instrument :
BNA_G
ClientSampleId :
VNJ-214



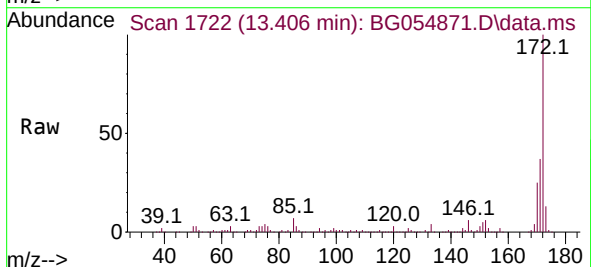
Tgt Ion:330 Resp: 189456
Ion Ratio Lower Upper
330 100
332 96.8 79.8 119.6
141 29.2 26.8 40.2

Manual Integrations
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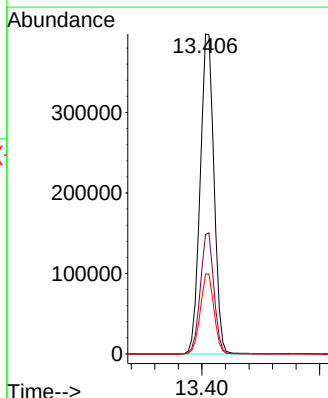
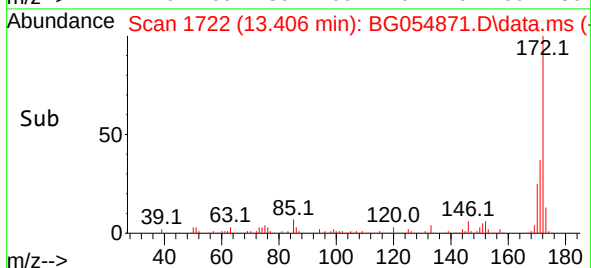
Reviewed By :Christian Giraldo 09/08/2022
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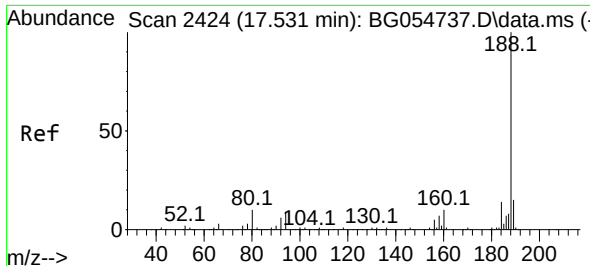


#45
2-Fluorobiphenyl
Concen: 78.624 ng
RT: 13.406 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27



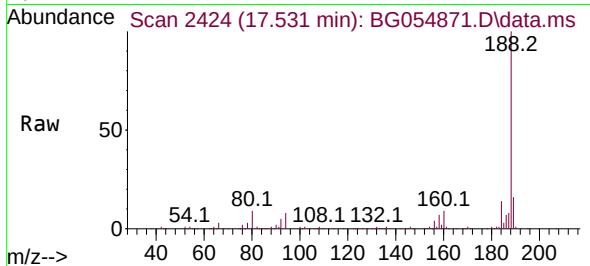
Tgt Ion:172 Resp: 647458
Ion Ratio Lower Upper
172 100
171 37.3 31.2 46.8
170 24.9 20.6 30.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.531 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

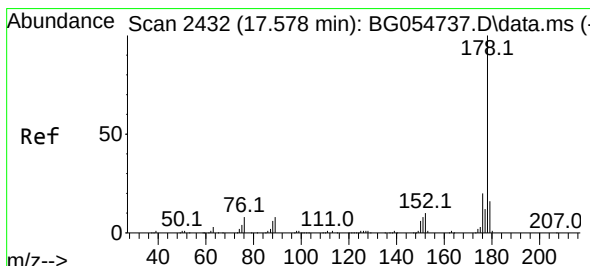
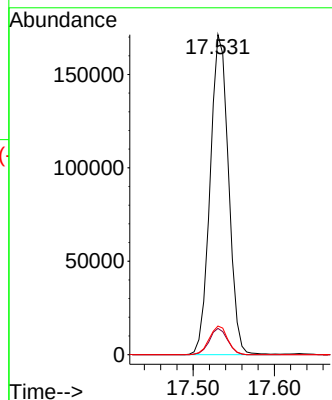
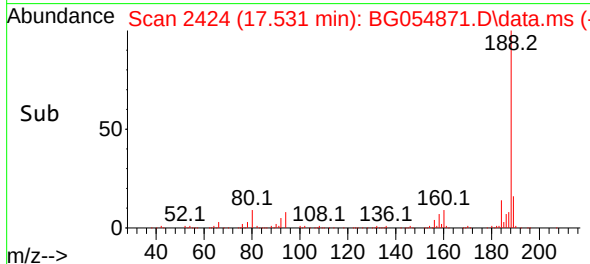
Instrument :
BNA_G
ClientSampleId :
VNJ-214



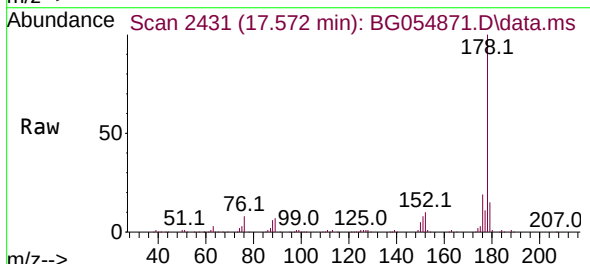
Tgt Ion:188 Resp: 269460
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.4
80 9.0 7.9 11.9

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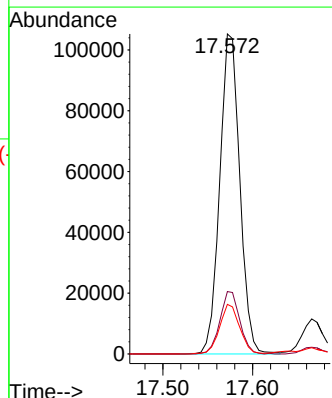
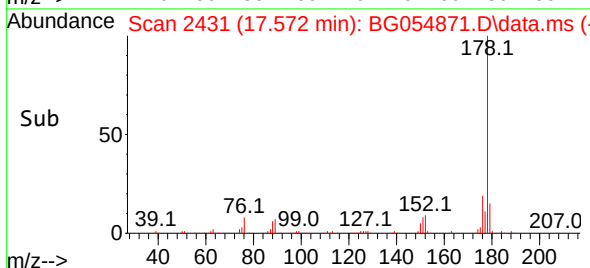
Reviewed By :Christian Giraldo 09/08/2022
Supervised By :Jagrut Upadhyay 09/08/2022

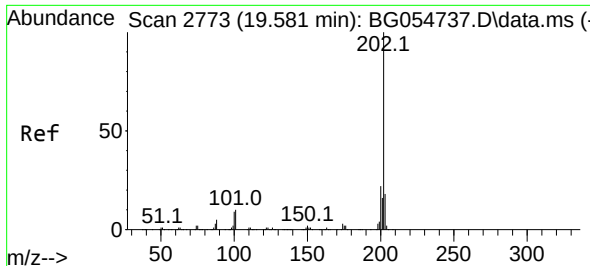


#71
Phenanthrene
Concen: 11.418 ng
RT: 17.572 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27



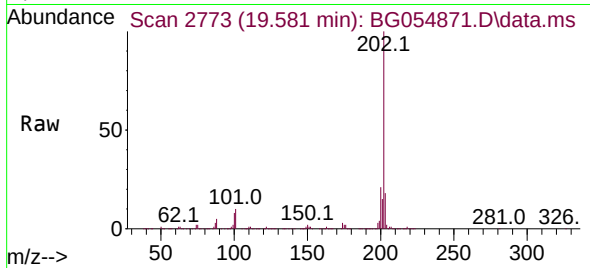
Tgt Ion:178 Resp: 163903
Ion Ratio Lower Upper
178 100
176 19.5 16.6 25.0
179 15.5 12.8 19.2





#75
Fluoranthene
Concen: 18.570 ng
RT: 19.581 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

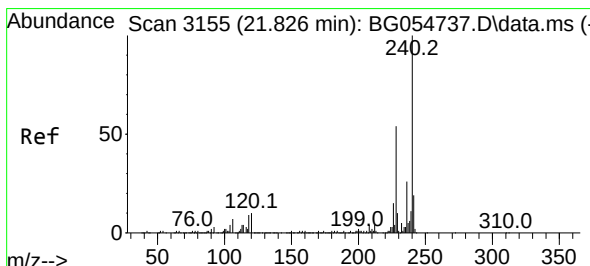
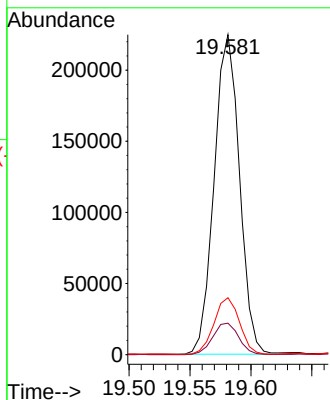
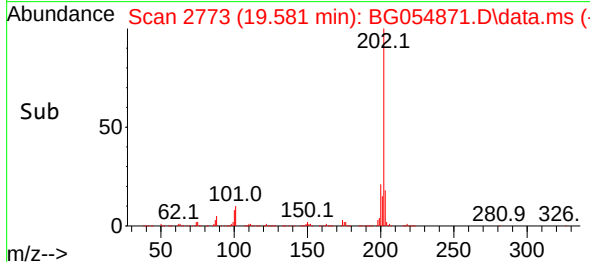
Instrument :
BNA_G
ClientSampleId :
VNJ-214



Tgt Ion:202 Resp: 324263
Ion Ratio Lower Upper
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101 9.8 0.0 31.4
203 17.8 0.0 38.6

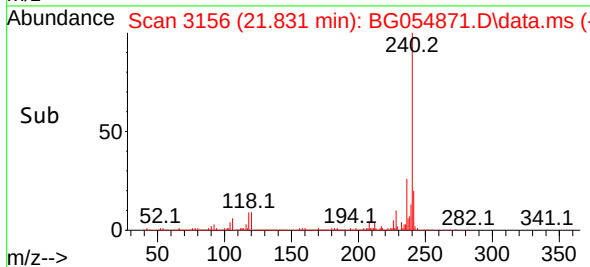
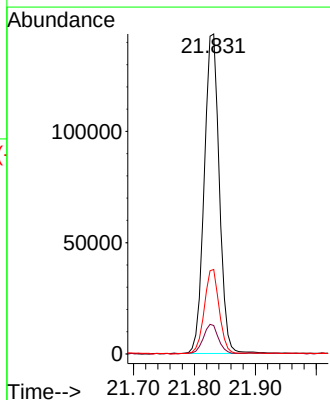
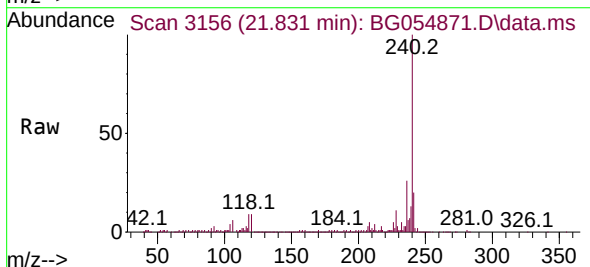
Manual Integrations
APPROVED

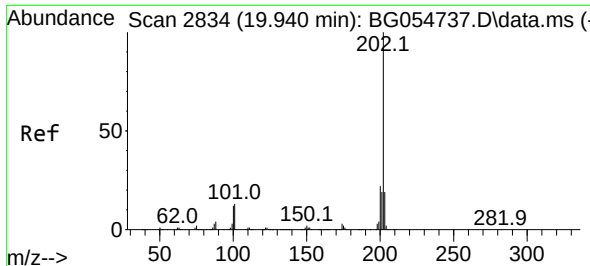
Reviewed By :Christian Giraldo 09/08/2022
Supervised By :Jagrut Upadhyay 09/08/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.831 min Scan# 3156
Delta R.T. 0.006 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

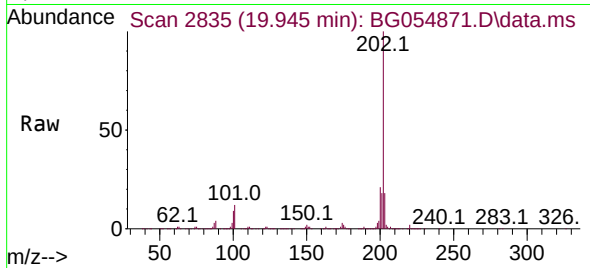
Tgt Ion:240 Resp: 246615
Ion Ratio Lower Upper
240 100
120 8.9 8.2 12.4
236 26.4 21.2 31.8





#78
Pyrene
Concen: 17.402 ng
RT: 19.945 min Scan# 2835
Delta R.T. 0.006 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

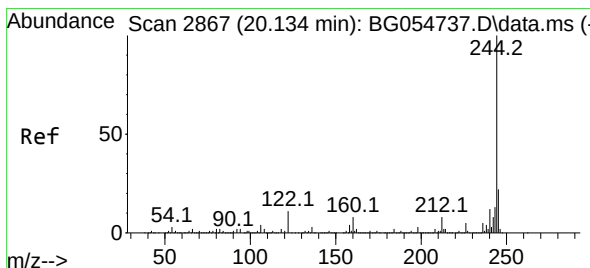
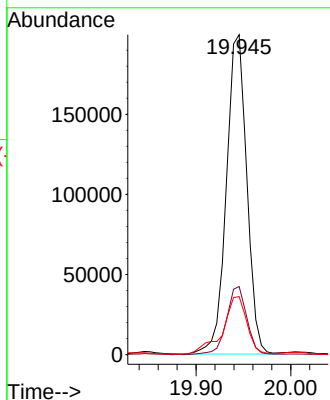
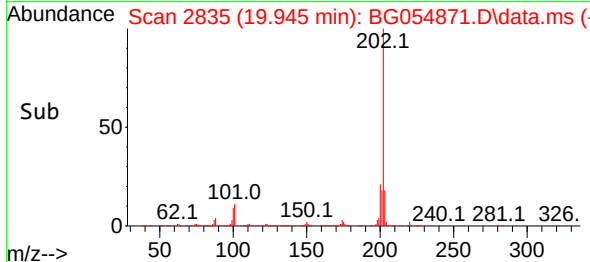
Instrument :
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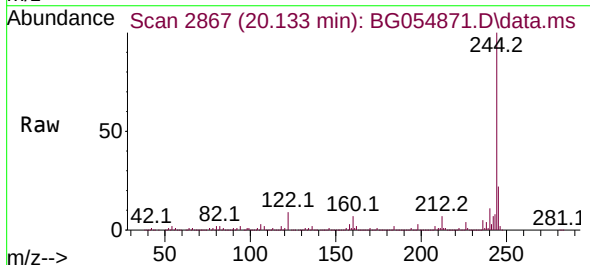
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Ion Ratio Lower Upper
202 100
200 21.3 17.8 26.6
203 18.1 14.6 21.8

Manual Integrations
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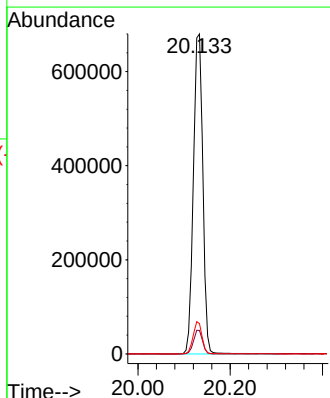
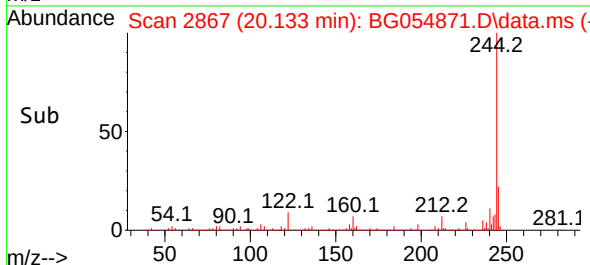
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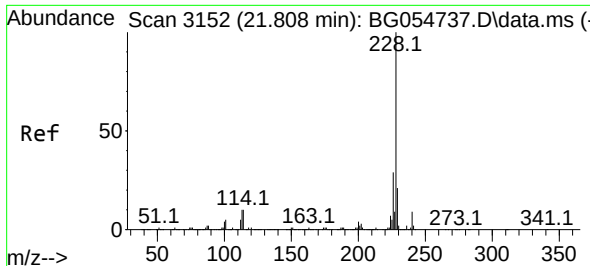


#79
Terphenyl-d14
Concen: 77.369 ng
RT: 20.133 min Scan# 2867
Delta R.T. -0.000 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27



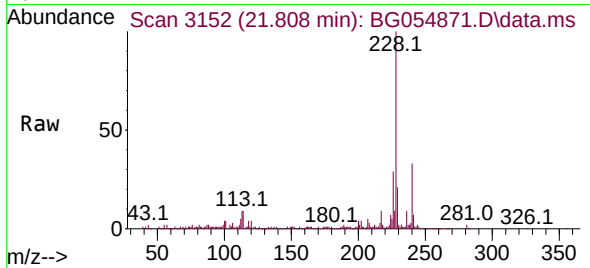
Tgt Ion:244 Resp: 962976
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.2
122 9.5 9.0 13.6





#81
Benzo(a)anthracene
Concen: 7.938 ng
RT: 21.808 min Scan# 3152
Delta R.T. -0.000 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

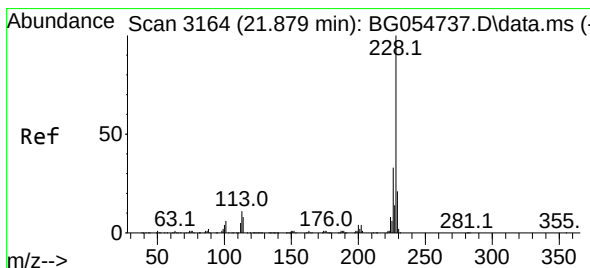
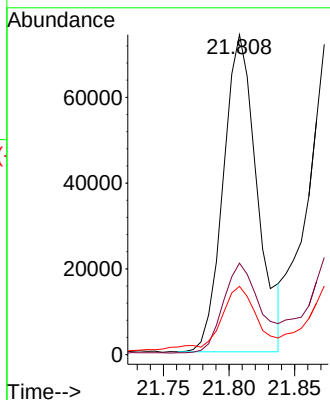
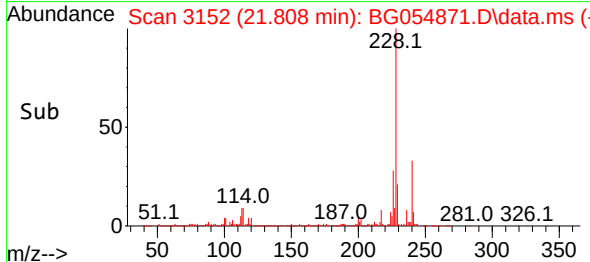
Instrument :
BNA_G
ClientSampleId :
VNJ-214



Tgt Ion:228 Resp: 132732
Ion Ratio Lower Upper
228 100
226 28.6 23.4 35.2
229 21.3 16.5 24.7

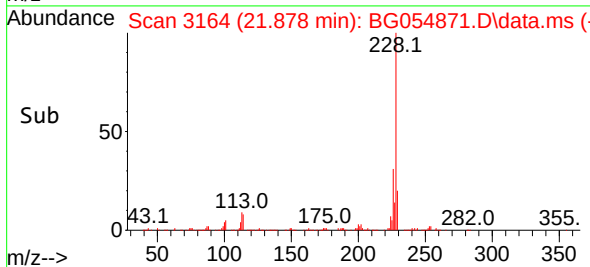
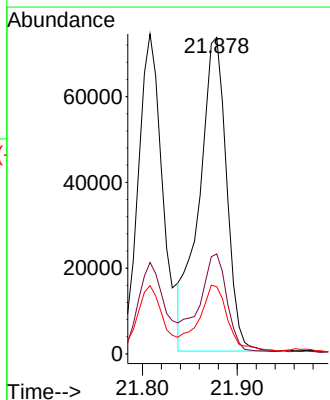
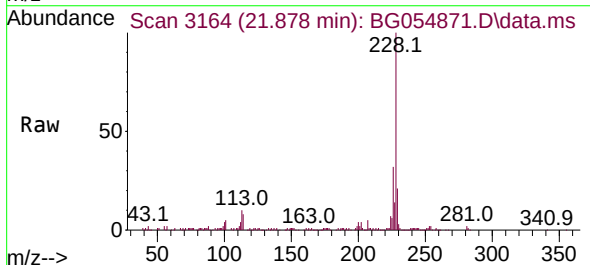
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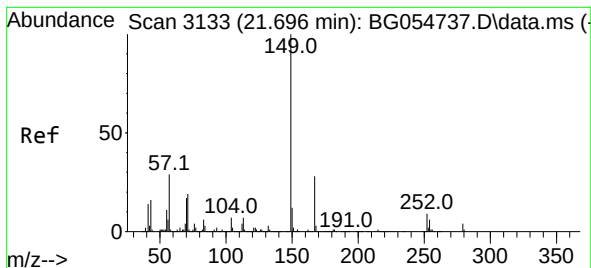
Reviewed By :Christian Giraldo 09/08/2022
Supervised By :Jagrut Upadhyay 09/08/2022



#83
Chrysene
Concen: 9.255 ng
RT: 21.878 min Scan# 3164
Delta R.T. -0.000 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

Tgt Ion:228 Resp: 147963
Ion Ratio Lower Upper
228 100
226 31.6 25.5 38.3
229 21.2 16.8 25.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.432 ng

RT: 21.685 min Scan# 3131

Delta R.T. -0.012 min

Lab File: BG054871.D

Acq: 7 Sep 2022 16:27

Instrument :

BNA_G

ClientSampleId :

VNJ-214

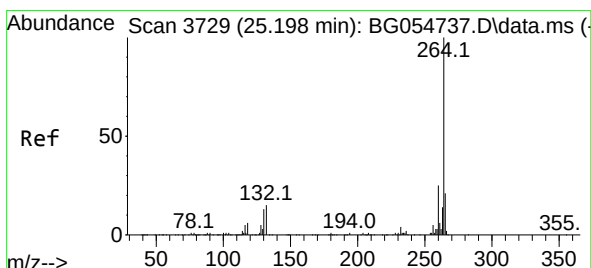
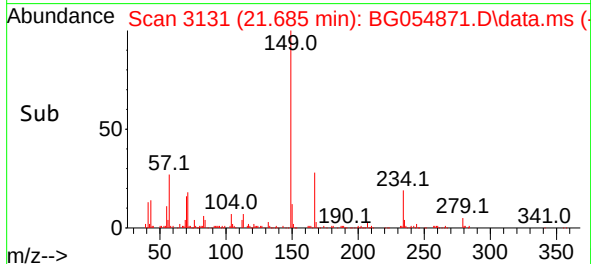
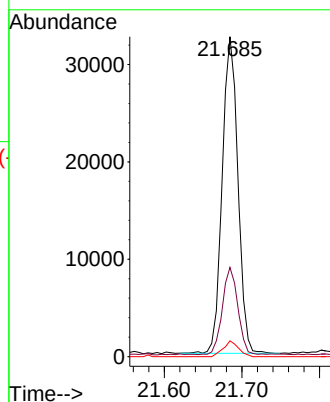
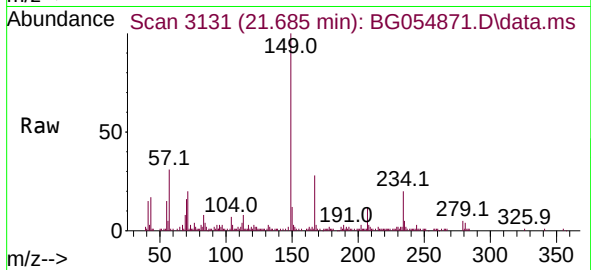
Tgt Ion:	149	Resp:	45799
Ion Ratio	Lower	Upper	
149	100		
167	27.9	21.4	32.0
279	4.9	3.1	4.7

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Reviewed By :Christian Giraldo 09/08/2022

Supervised By :Jagrut Upadhyay 09/08/2022



#86

Perylene-d12

Concen: 20.000 ng

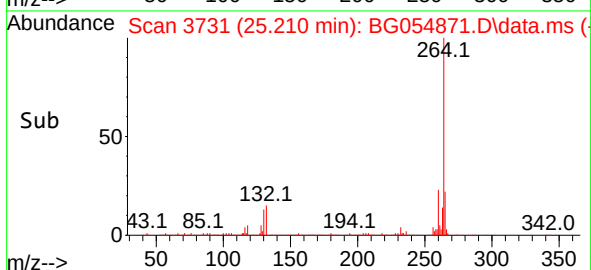
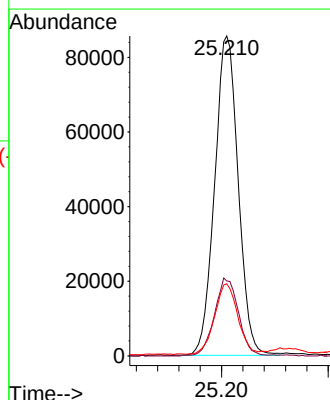
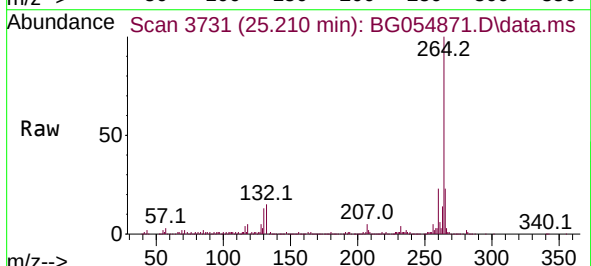
RT: 25.210 min Scan# 3731

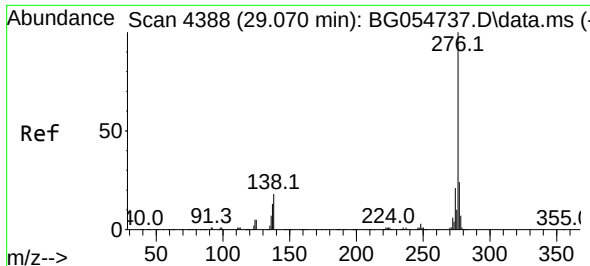
Delta R.T. 0.012 min

Lab File: BG054871.D

Acq: 7 Sep 2022 16:27

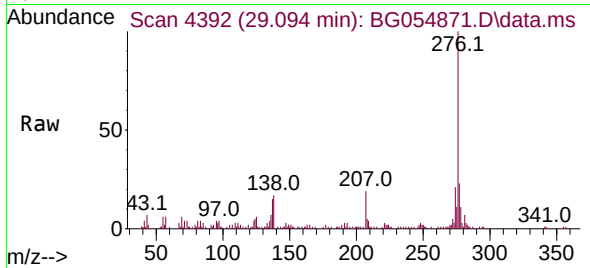
Tgt Ion:	264	Resp:	262204
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.9	29.9
265	22.5	16.9	25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.045 ng
RT: 29.094 min Scan# 4388
Delta R.T. 0.023 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

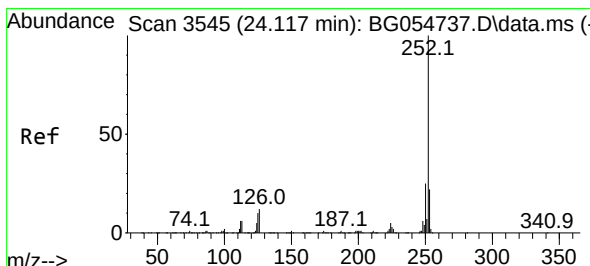
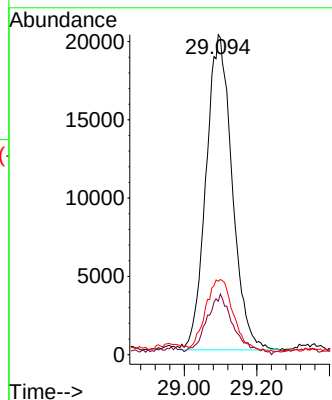
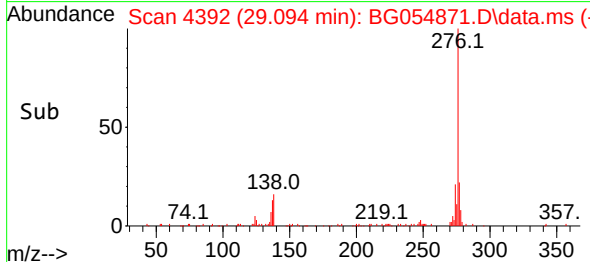
Instrument :
BNA_G
ClientSampleId :
VNJ-214



Tgt Ion: 276 Resp: 100433
Ion Ratio Lower Upper
276 100
138 20.3 12.0 18.0
277 24.0 20.2 30.4

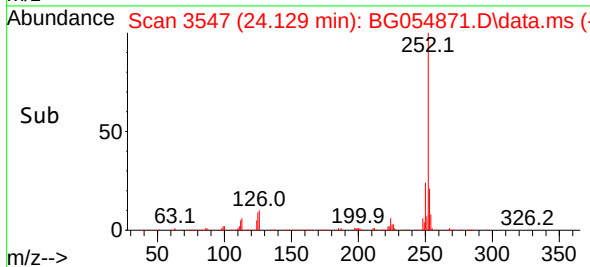
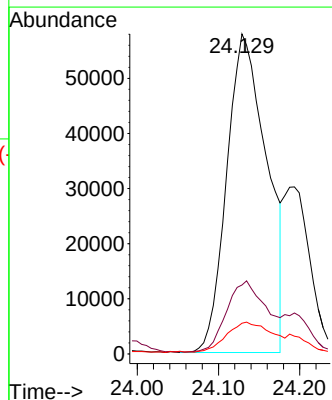
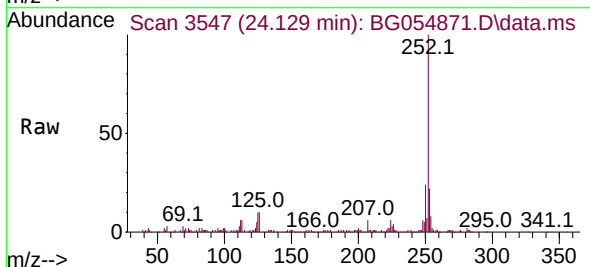
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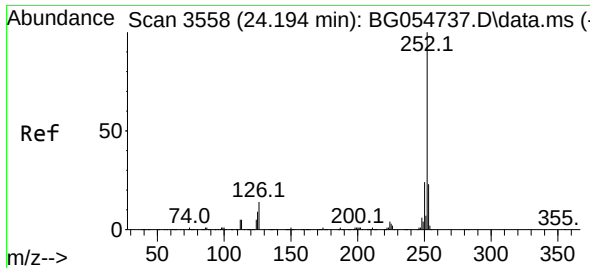
Reviewed By : Christian Giraldo 09/08/2022
Supervised By : Jagrut Upadhyay 09/08/2022



#88
Benzo(b)fluoranthene
Concen: 12.045 ng
RT: 24.129 min Scan# 3547
Delta R.T. 0.012 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

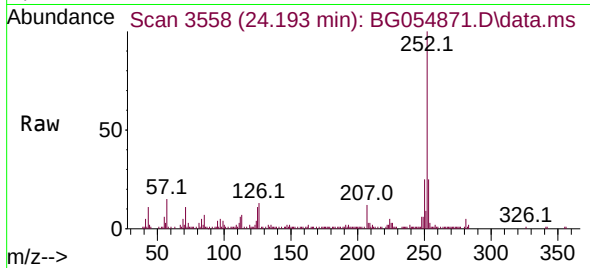
Tgt Ion: 252 Resp: 198122
Ion Ratio Lower Upper
252 100
253 21.5 18.0 27.0
125 9.6 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 4.053 ng m
RT: 24.193 min Scan# 3558
Delta R.T. -0.000 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

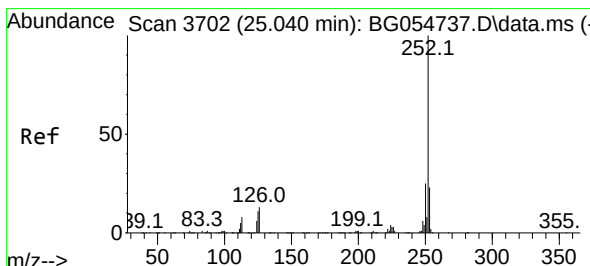
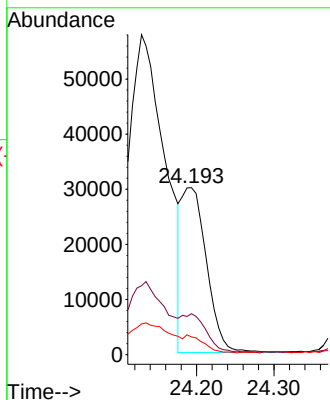
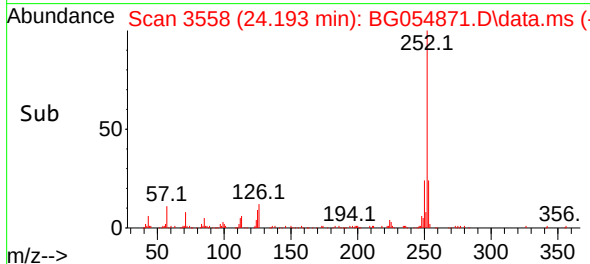
Instrument :
BNA_G
ClientSampleId :
VNJ-214



Tgt Ion:252 Resp: 67092
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 10.6 8.2 12.4

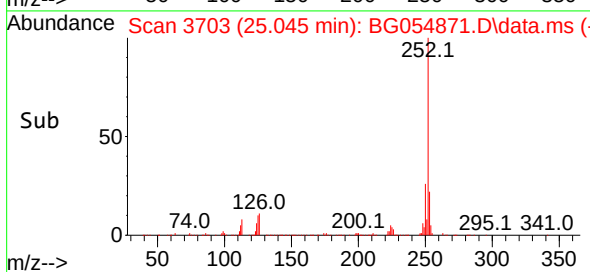
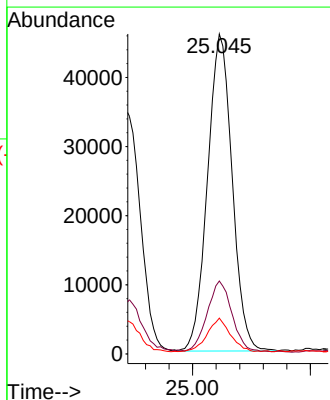
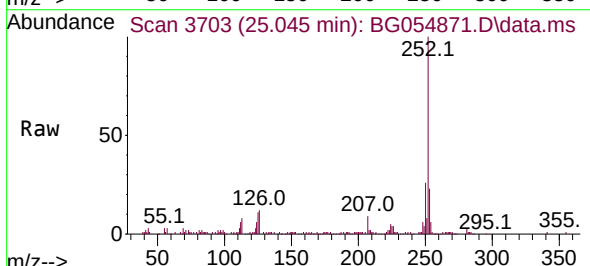
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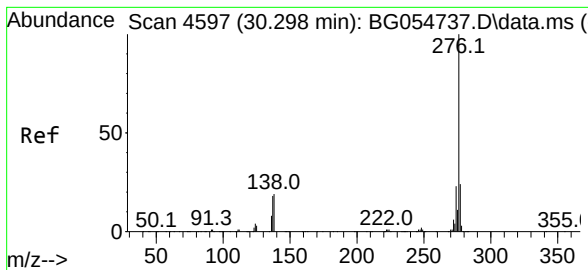
Reviewed By :Christian Giraldo 09/08/2022
Supervised By :Jagrut Upadhyay 09/08/2022



#90
Benzo(a)pyrene
Concen: 9.480 ng
RT: 25.045 min Scan# 3703
Delta R.T. 0.006 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

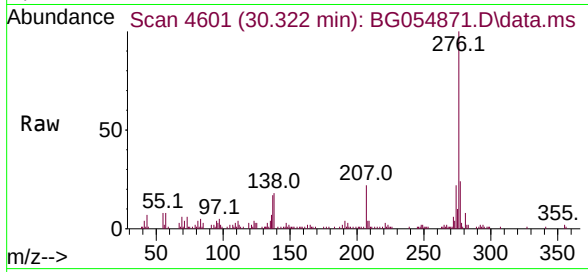
Tgt Ion:252 Resp: 133222
Ion Ratio Lower Upper
252 100
253 22.8 18.3 27.5
125 11.2 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 6.146 ng
 RT: 30.322 min Scan# 4601
 Delta R.T. 0.023 min
 Lab File: BG054871.D
 Acq: 7 Sep 2022 16:27

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-214



Tgt Ion: 276 Resp: 100686

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.4	29.0
138	18.4	16.6	25.0

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

