

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
 Data File : BG056539.D
 Acq On : 3 Feb 2023 15:09
 Operator : CG/JU
 Sample : 01410-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-225

Quant Time: Feb 04 05:12:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/06/2023
 Supervised By : Jagrut Upadhyay 02/06/2023

02/06/2023
 Supervised By : Jagrut
 Upadhyay

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

1) 1,4-Dichlorobenzene-d4	8.272	152	43263	20.000	ng	0.00
21) Naphthalene-d8	11.104	136	163467	20.000	ng	0.00
39) Acenaphthene-d10	14.894	164	119266	20.000	ng	0.00
64) Phenanthrene-d10	17.632	188	275349	20.000	ng	0.00
76) Chrysene-d12	21.927	240	254875	20.000	ng	0.00
86) Perylene-d12	25.346	264	280558	20.000	ng	0.00

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System Monitoring Compounds

5) 2-Fluorophenol	5.793	112	245937	104.574	ng	0.00
7) Phenol-d6	7.420	99	344578	98.887	ng	0.00
23) Nitrobenzene-d5	9.447	82	183837	63.861	ng	0.00
42) 2,4,6-Tribromophenol	16.374	330	145619	91.840	ng	0.00
45) 2-Fluorobiphenyl	13.519	172	540944	62.883	ng	0.00
79) Terphenyl-d14	20.211	244	825263	56.870	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	11.157	128	55534	6.437	ng	98
52) Acenaphthene	14.952	154	22615	3.467	ng	90
55) Dibenzofuran	15.287	168	26459	2.262	ng	96
58) Fluorene	15.934	166	32371	3.477	ng	95
71) Phenanthrene	17.673	178	306818	21.290	ng	97
72) Anthracene	17.767	178	39494	2.670	ng	97
73) Carbazole	18.031	167	40537	3.217	ng	# 96
75) Fluoranthene	19.670	202	599909	32.982	ng	99
78) Pyrene	20.029	202	530411	29.260	ng	100
81) Benzo(a)anthracene	21.903	228	281481	15.797	ng	99
83) Chrysene	21.974	228	292657	17.482	ng	98
84) Bis(2-ethylhexyl)phtha...	21.762	149	58148	7.326	ng	99
87) Indeno(1,2,3-cd)pyrene	29.283	276	187113	9.111	ng	99
88) Benzo(b)fluoranthene	24.253	252	380513	21.851	ng	99
89) Benzo(k)fluoranthene	24.318	252	134736m	7.663	ng	
90) Benzo(a)pyrene	25.182	252	270148	15.749	ng	100
91) Dibenzo(a,h)anthracene	29.318	278	51419	2.983	ng	92
92) Benzo(g,h,i)perylene	30.517	276	180928	10.877	ng	99

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

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Manual Integrations

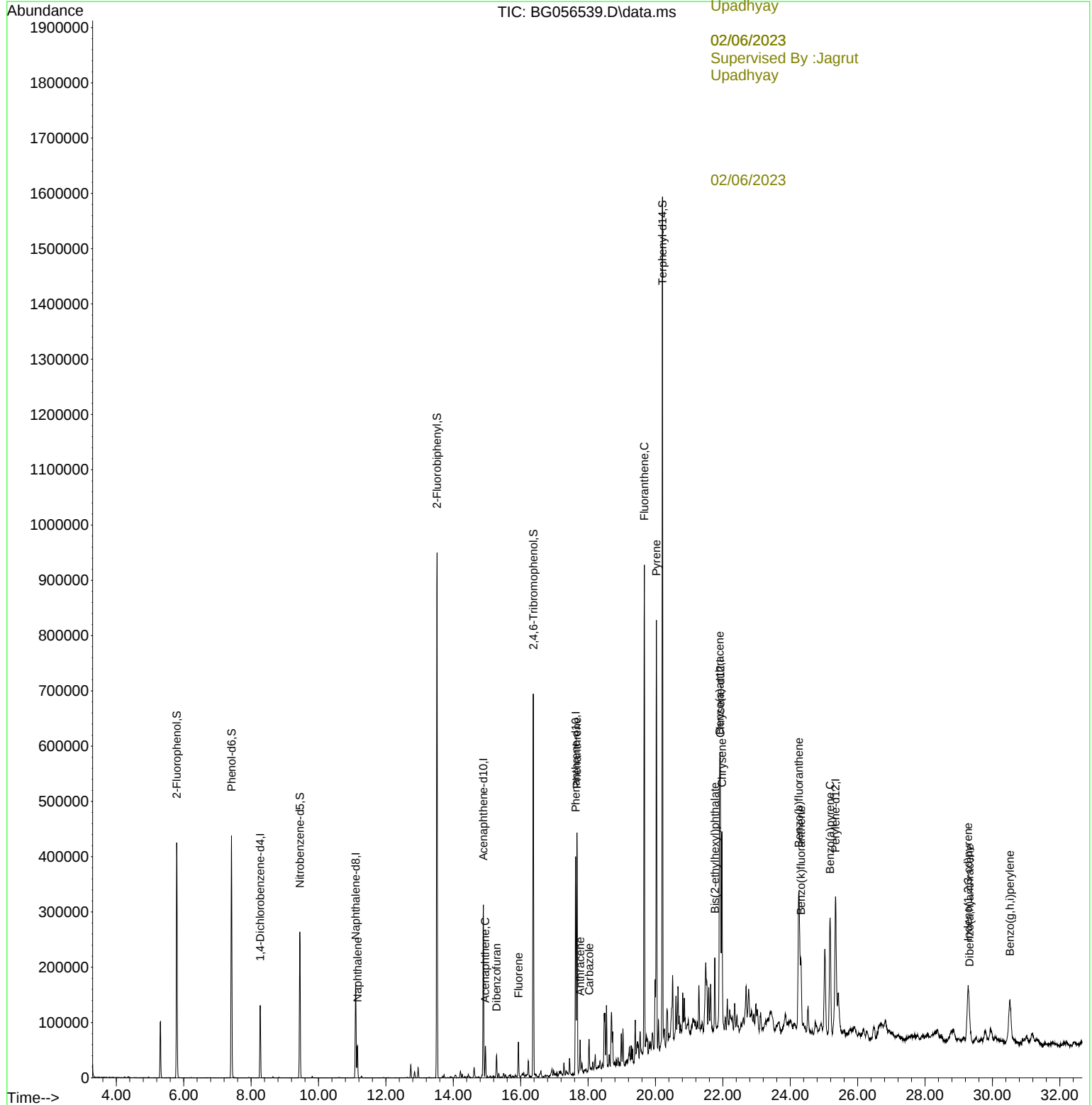
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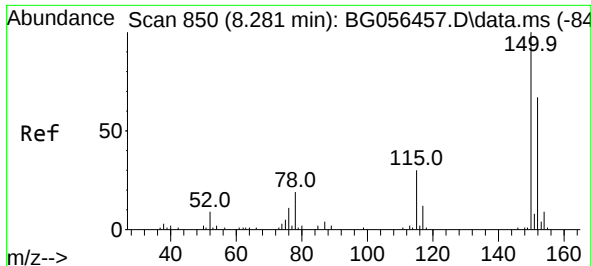
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023

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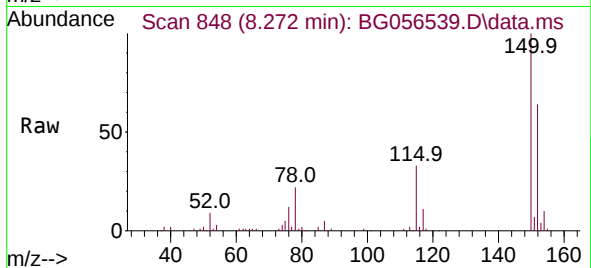
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.272 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Instrument :
BNA_G
ClientSampleId :
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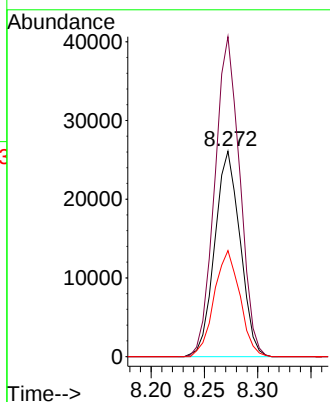
Tgt Ion:152 Resp: 43263
Ion Ratio Lower Upper
152 100
150 155.8 120.2 180.4
115 51.6 36.3 54.5

Manual Integrations
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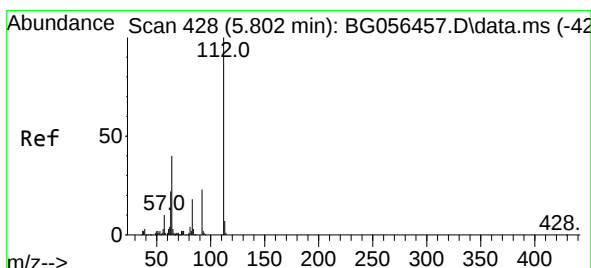
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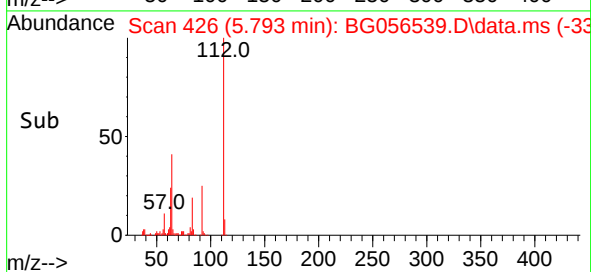
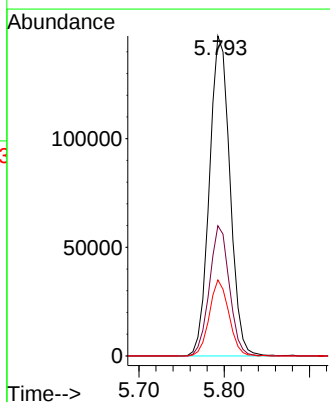
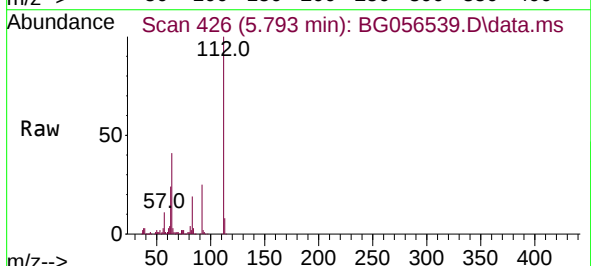


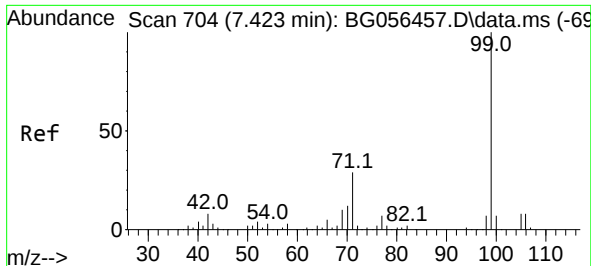
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#5
2-Fluorophenol
Concen: 104.574 ng
RT: 5.793 min Scan# 426
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

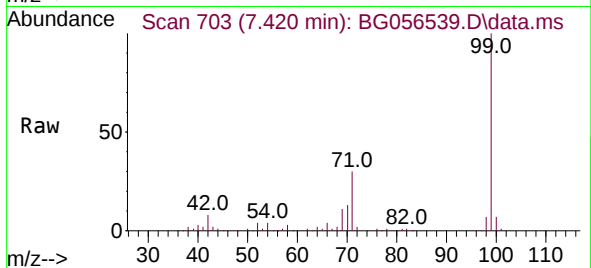
Tgt Ion:112 Resp: 245937
Ion Ratio Lower Upper
112 100
64 40.7 31.9 47.9
63 23.8 17.4 26.0





#7
Phenol-d6
Concen: 98.887 ng
RT: 7.420 min Scan# 704
Delta R.T. 0.002 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Instrument :
BNA_G
ClientSampleId :
VNJ-225



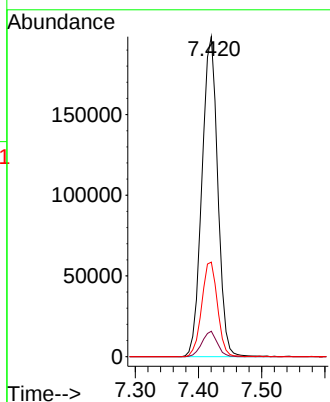
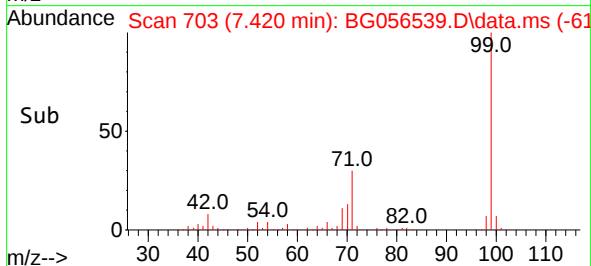
Tgt Ion: 99 Resp: 344578
Ion Ratio Lower Upper
99 100
42 7.9 6.6 10.0
71 29.5 23.4 35.0

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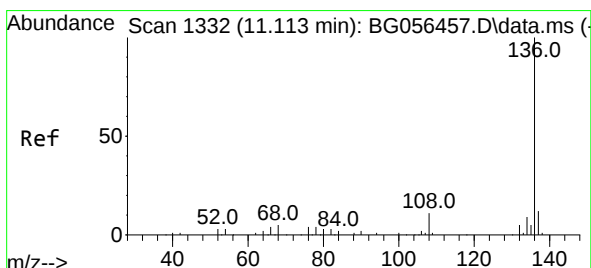
Reviewed By :Christian Giraldo 02/06/2023
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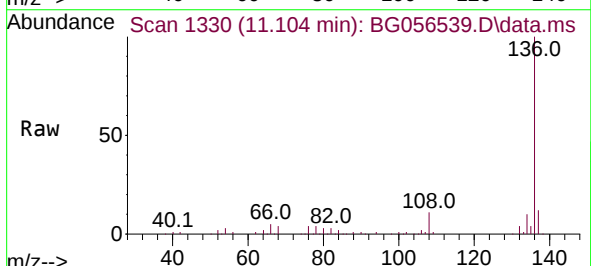
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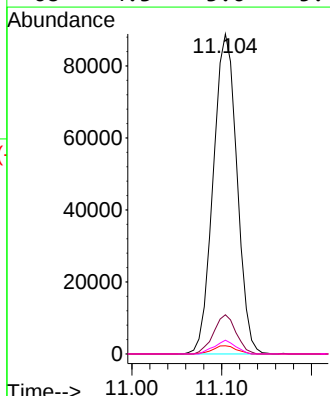
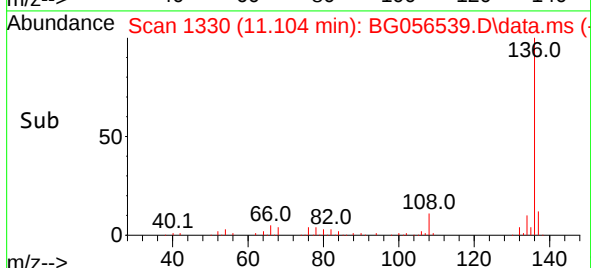
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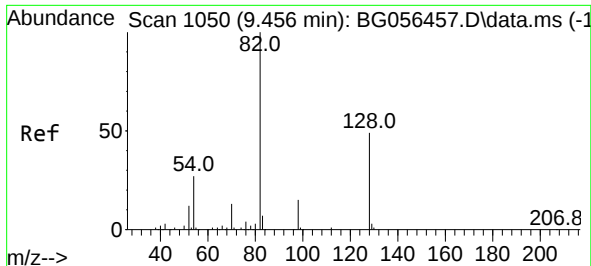


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.104 min Scan# 1330
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09



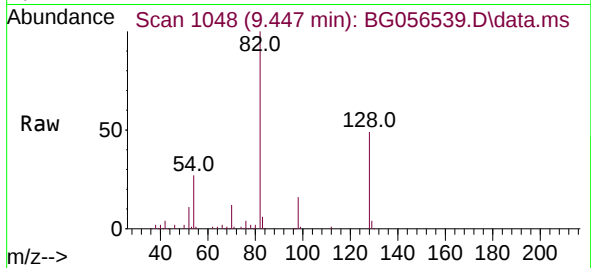
Tgt Ion:136 Resp: 163467
Ion Ratio Lower Upper
136 100
137 12.2 9.4 14.0
54 2.5 2.2 3.4
68 4.3 3.6 5.4





#23
Nitrobenzene-d5
Concen: 63.861 ng
RT: 9.447 min Scan# 1048
Delta R.T. -0.009 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Instrument :
BNA_G
ClientSampleId :
VNJ-225



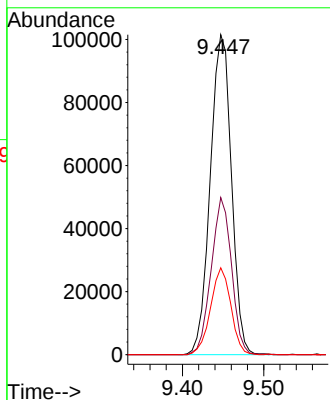
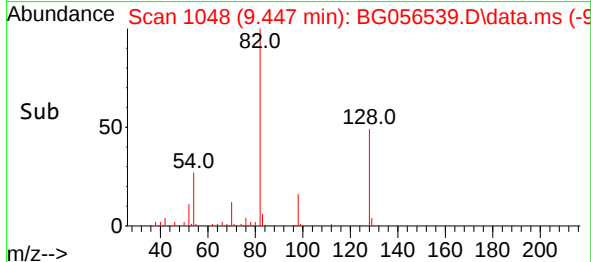
Tgt Ion: 82 Resp: 18383
Ion Ratio Lower Upper
82 100
128 49.1 39.4 59.2
54 27.1 21.4 32.2

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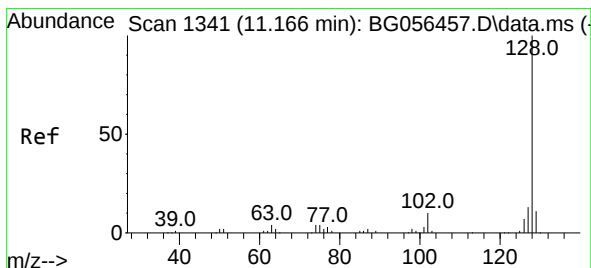
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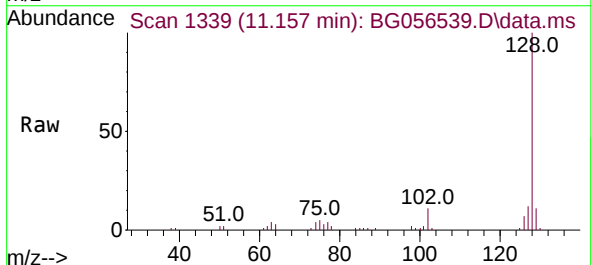
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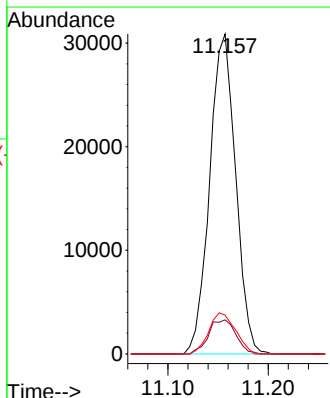
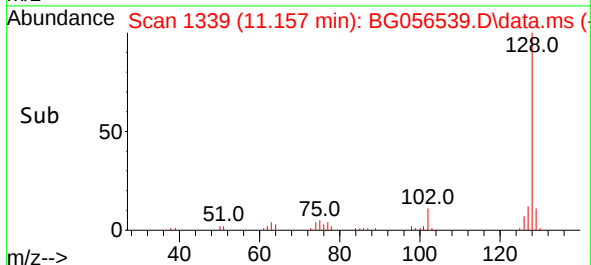
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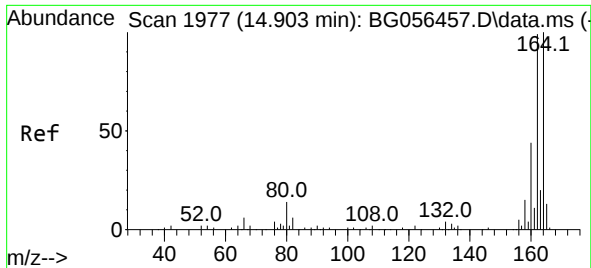


#31
Naphthalene
Concen: 6.437 ng
RT: 11.157 min Scan# 1339
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09



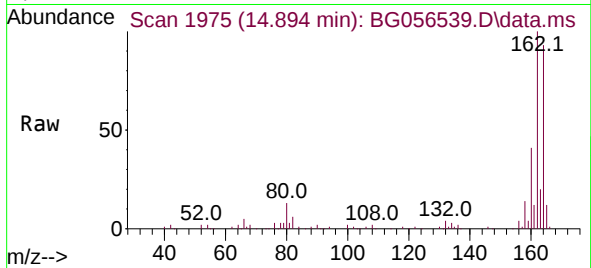
Tgt Ion:128 Resp: 55534
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 12.1 10.4 15.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.894 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Instrument :
BNA_G
ClientSampleId :
VNJ-225



Tgt Ion:164 Resp: 119266
Ion Ratio Lower Upper
164 100
162 107.6 79.6 119.4
160 43.7 34.9 52.3

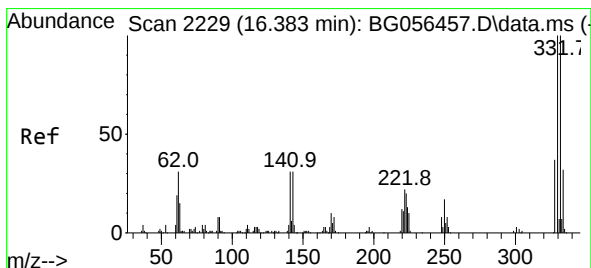
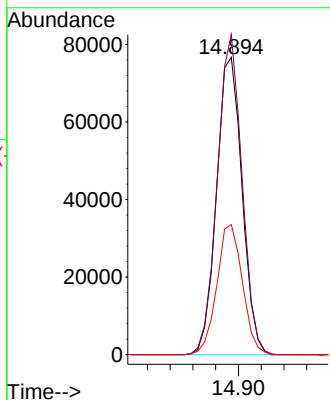
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Supervised By :Jagrut Upadhyay 02/06/2023

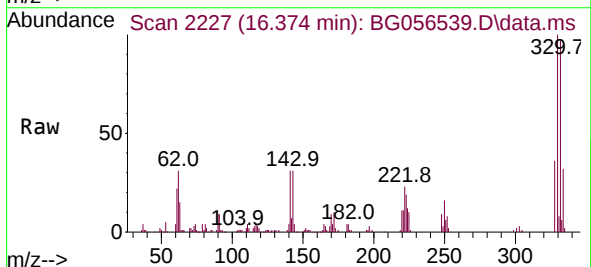
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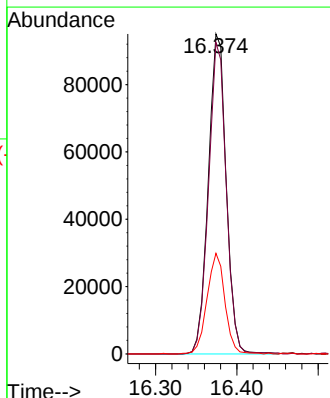
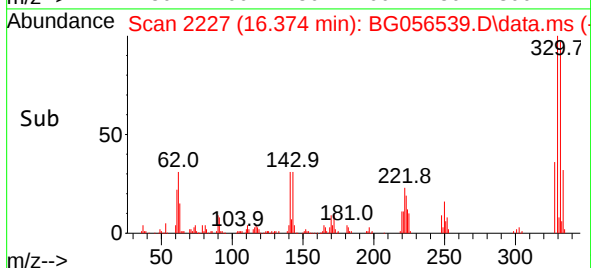
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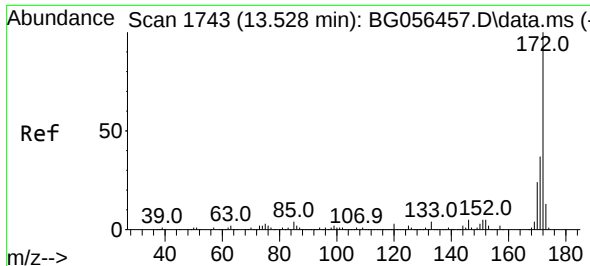


#42
2,4,6-Tribromophenol
Concen: 91.840 ng
RT: 16.374 min Scan# 2227
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09



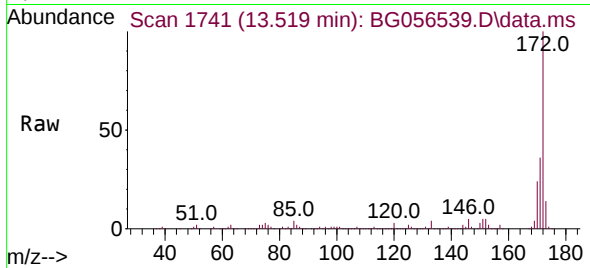
Tgt Ion:330 Resp: 145619
Ion Ratio Lower Upper
330 100
332 96.0 79.0 118.6
141 31.3 24.2 36.4





#45
2-Fluorobiphenyl
Concen: 62.883 ng
RT: 13.519 min Scan# 1741
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Instrument :
BNA_G
ClientSampleId :
VNJ-225



Tgt Ion:172 Resp: 540944
Ion Ratio Lower Upper
172 100
171 36.4 29.5 44.3
170 23.7 19.2 28.8

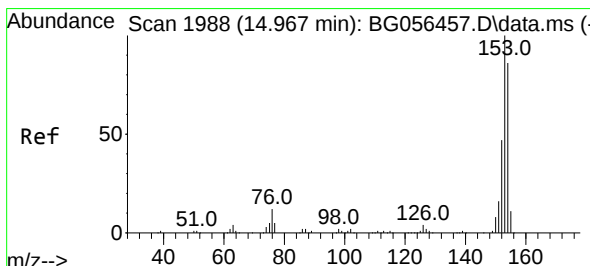
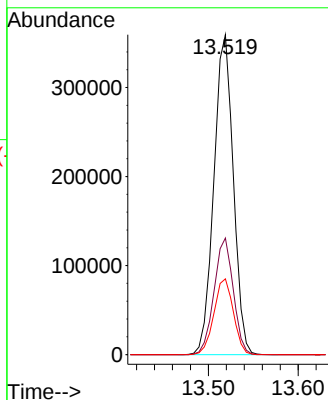
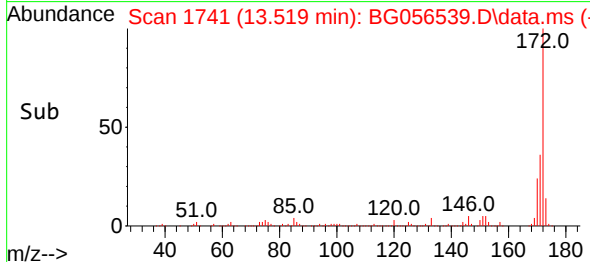
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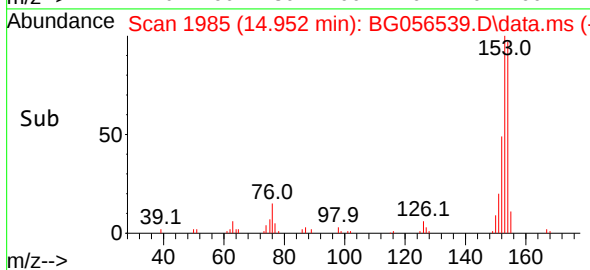
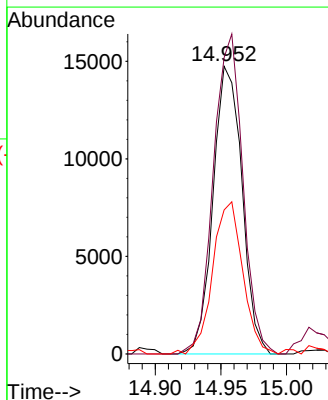
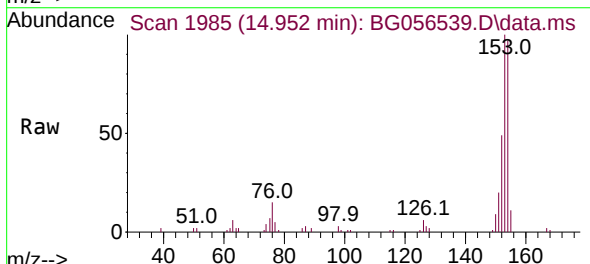
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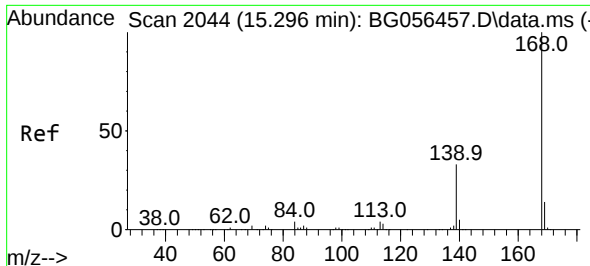
02/06/2023



#52
Acenaphthene
Concen: 3.467 ng
RT: 14.952 min Scan# 1985
Delta R.T. -0.009 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

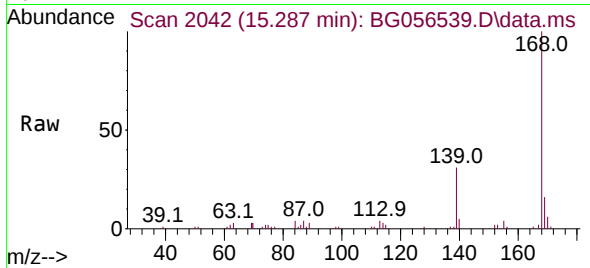
Tgt Ion:154 Resp: 22615
Ion Ratio Lower Upper
154 100
153 103.0 93.4 140.0
152 50.0 43.4 65.2





#55
Dibenzofuran
Concen: 2.262 ng
RT: 15.287 min Scan# 2044
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Instrument :
BNA_G
ClientSampleId :
VNJ-225



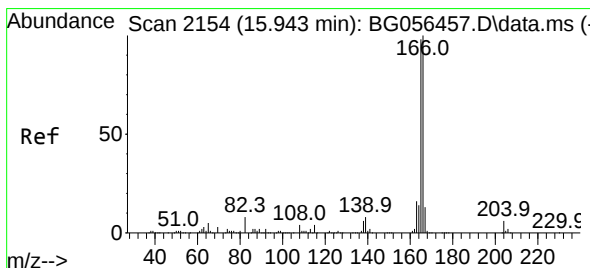
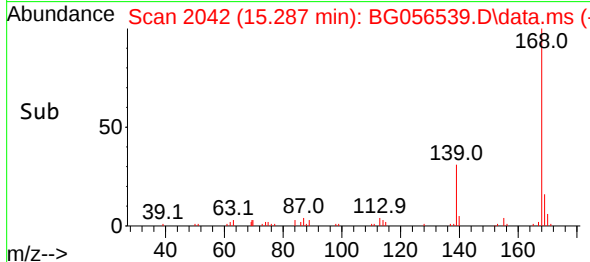
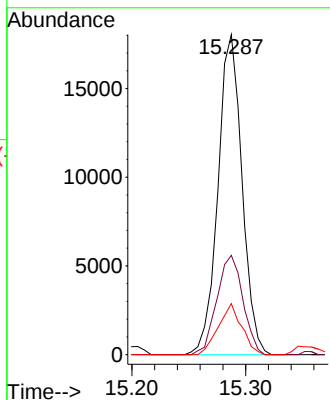
Tgt Ion:168 Resp: 26459
Ion Ratio Lower Upper
168 100
139 31.0 26.2 39.2
169 15.9 11.0 16.6

Manual Integrations
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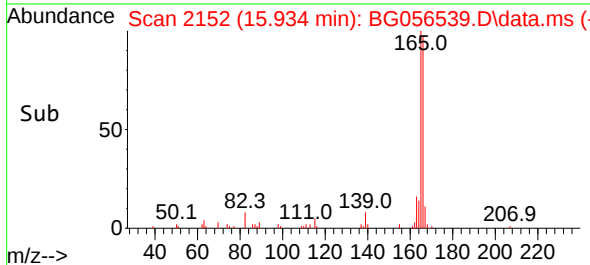
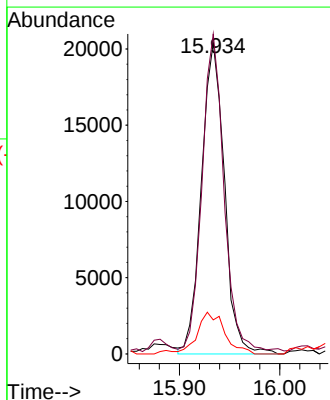
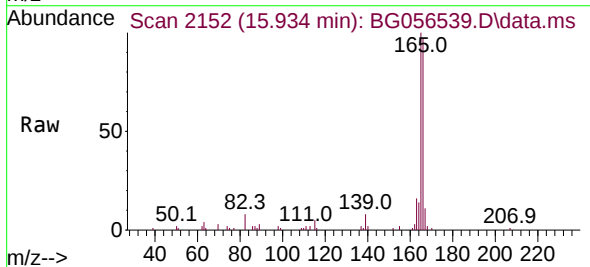
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Upadhyay

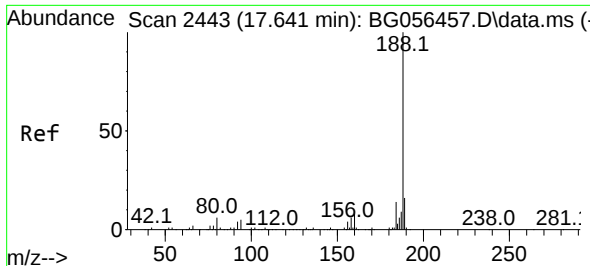
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#58
Fluorene
Concen: 3.477 ng
RT: 15.934 min Scan# 2152
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

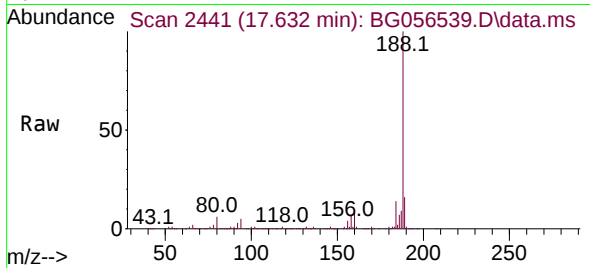
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Ion Ratio Lower Upper
166 100
165 102.9 78.8 118.2
167 10.9 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.632 min Scan# 2441
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Instrument :
BNA_G
ClientSampleId :
VNJ-225



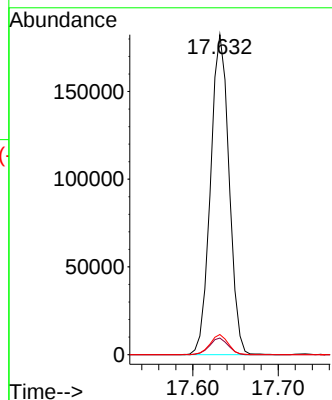
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Ion Ratio Lower Upper
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94 5.2 4.1 6.1
80 6.3 5.0 7.4

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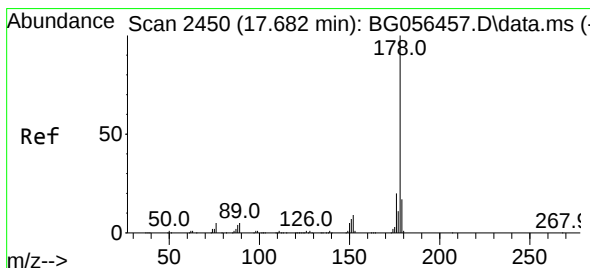
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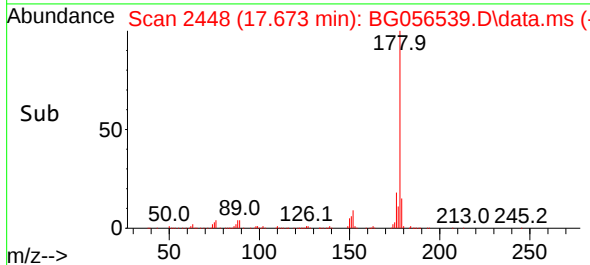
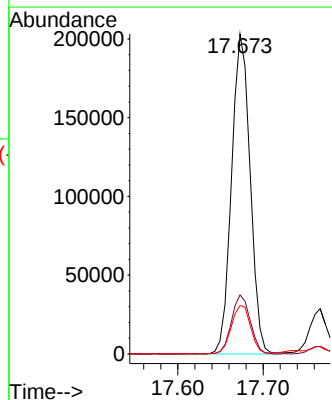
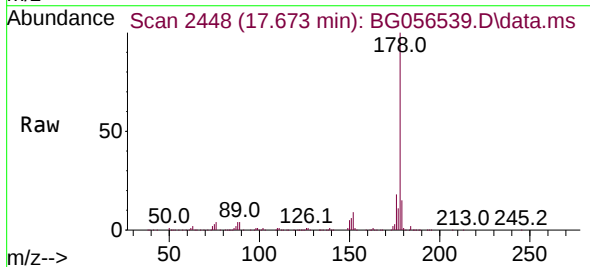


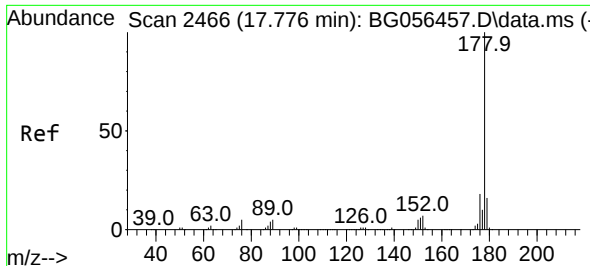
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#71
Phenanthrene
Concen: 21.290 ng
RT: 17.673 min Scan# 2448
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

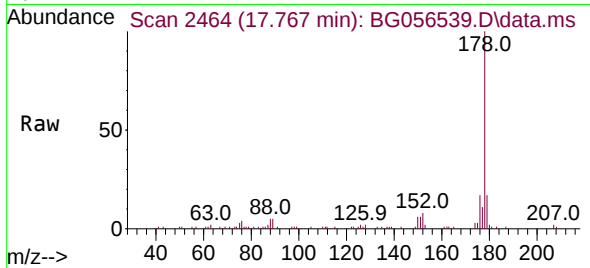
Tgt Ion:178 Resp: 306818
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 15.1 13.3 19.9





#72
 Anthracene
 Concen: 2.670 ng
 RT: 17.767 min Scan# 2466
 Delta R.T. -0.003 min
 Lab File: BG056539.D
 Acq: 3 Feb 2023 15:09

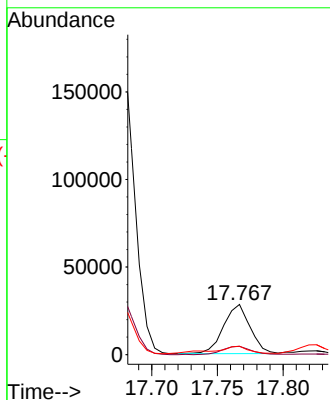
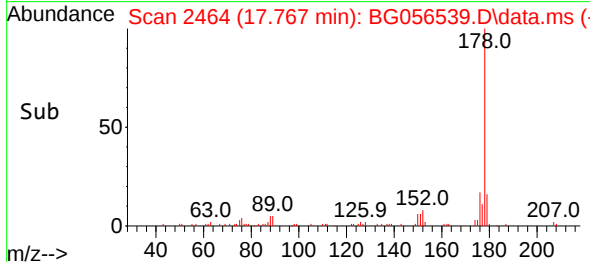
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-225



Tgt Ion:178 Resp: 39494
 Ion Ratio Lower Upper
 178 100
 176 16.6 14.5 21.7
 179 16.6 12.5 18.7

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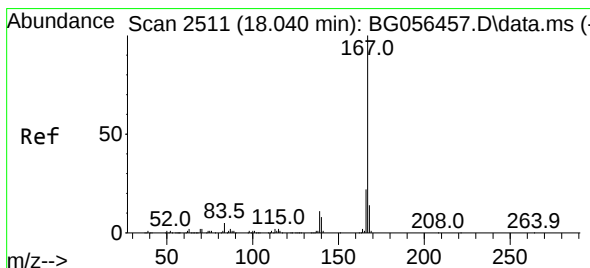
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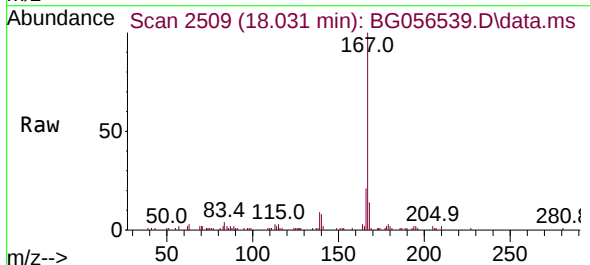
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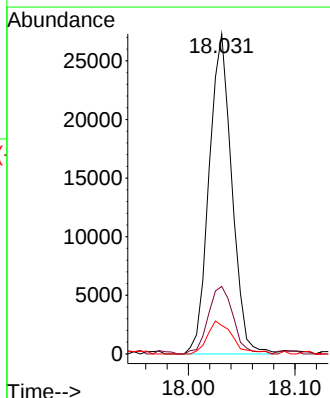
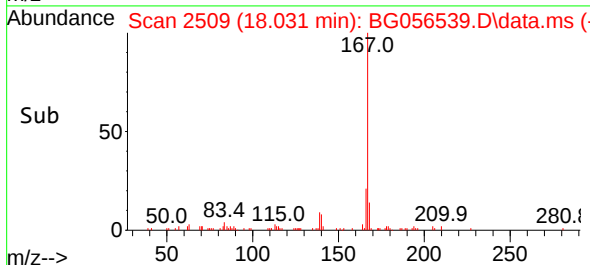
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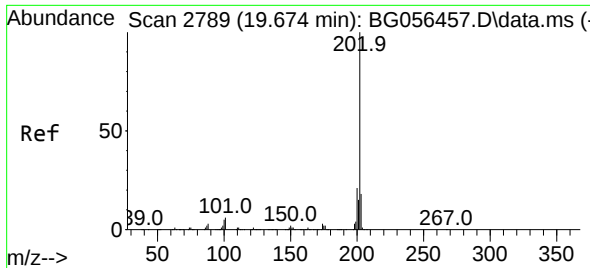


#73
 Carbazole
 Concen: 3.217 ng
 RT: 18.031 min Scan# 2509
 Delta R.T. -0.003 min
 Lab File: BG056539.D
 Acq: 3 Feb 2023 15:09



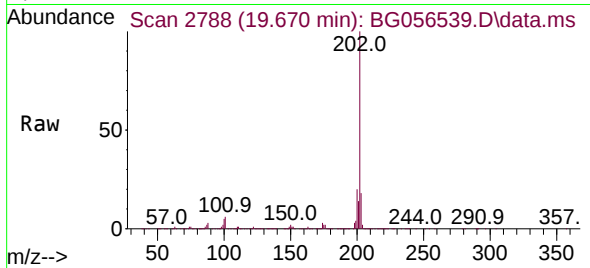
Tgt Ion:167 Resp: 40537
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.8 26.6
 139 8.9 8.9 13.3#





#75
Fluoranthene
Concen: 32.982 ng
RT: 19.670 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Instrument :
BNA_G
ClientSampleId :
VNJ-225



Tgt Ion:202 Resp: 599909
Ion Ratio Lower Upper
202 100
101 5.5 0.0 25.6
203 17.6 0.0 38.1

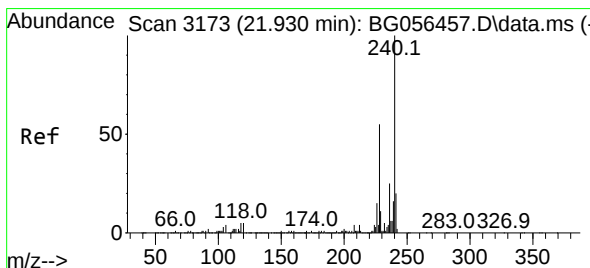
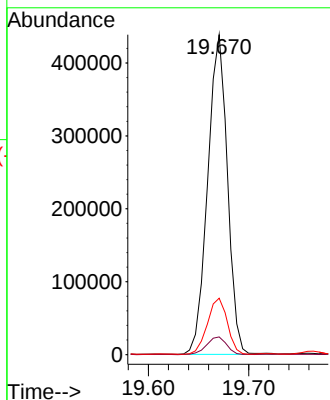
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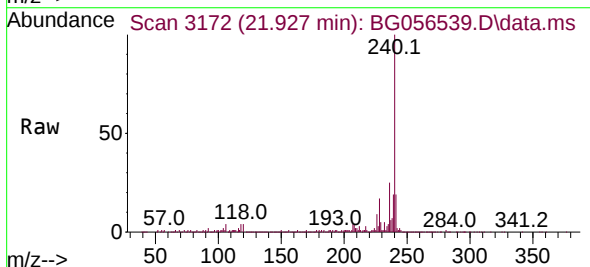
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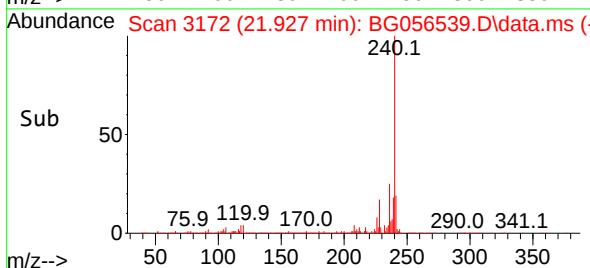
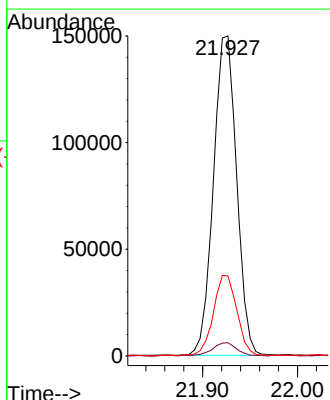
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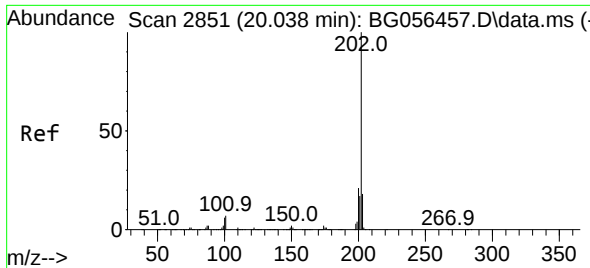


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.927 min Scan# 3172
Delta R.T. 0.002 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09



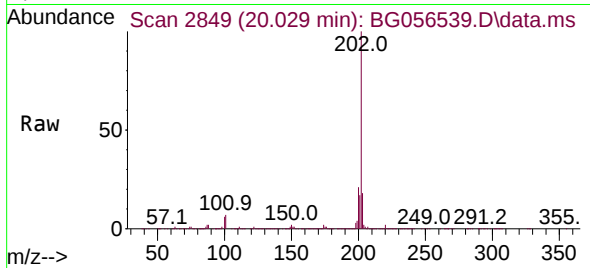
Tgt Ion:240 Resp: 254875
Ion Ratio Lower Upper
240 100
120 4.1 3.8 5.8
236 25.0 20.2 30.2





#78
Pyrene
Concen: 29.260 ng
RT: 20.029 min Scan# 2849
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Instrument :
BNA_G
ClientSampleId :
VNJ-225



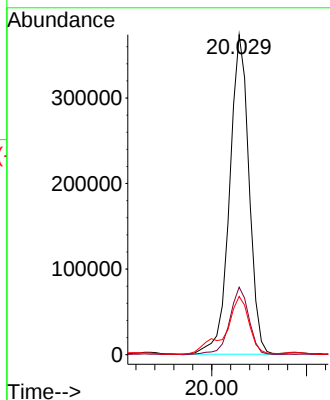
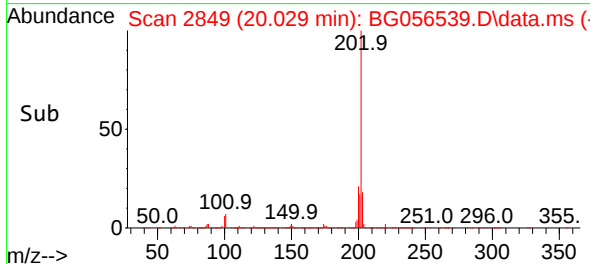
Tgt Ion:202 Resp: 530411
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 18.2 14.4 21.6

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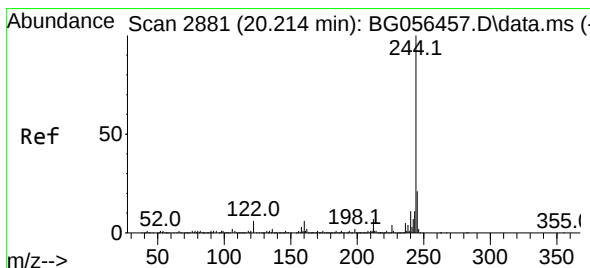
Reviewed By :Christian Giraldo 02/06/2023
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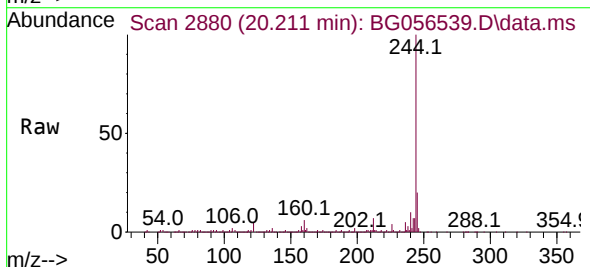
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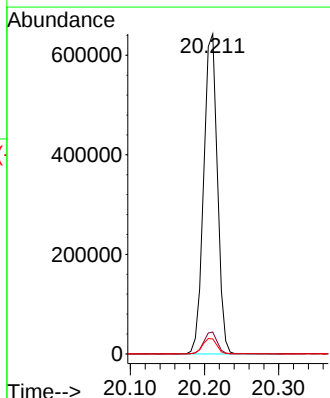
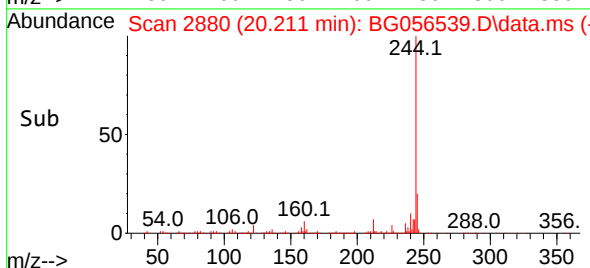
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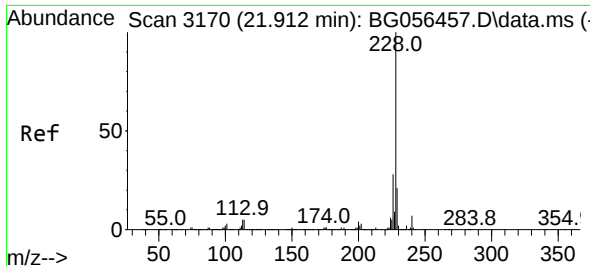


#79
Terphenyl-d14
Concen: 56.870 ng
RT: 20.211 min Scan# 2880
Delta R.T. 0.002 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09



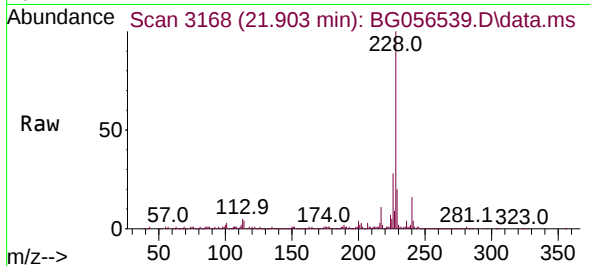
Tgt Ion:244 Resp: 825263
Ion Ratio Lower Upper
244 100
212 6.8 5.5 8.3
122 4.7 4.4 6.6





#81
Benzo(a)anthracene
Concen: 15.797 ng
RT: 21.903 min Scan# 3170
Delta R.T. 0.002 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Instrument :
BNA_G
ClientSampleId :
VNJ-225



Tgt Ion:228 Resp: 281481
Ion Ratio Lower Upper
228 100
226 27.6 22.4 33.6
229 20.0 16.5 24.7

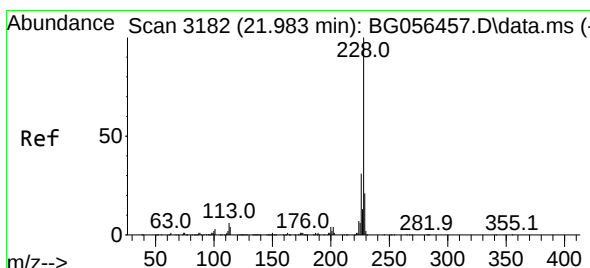
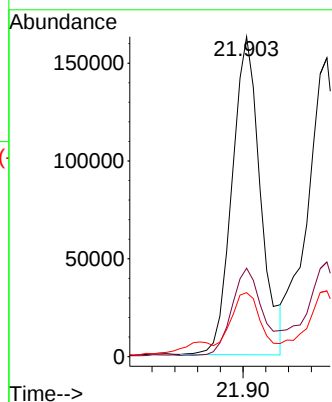
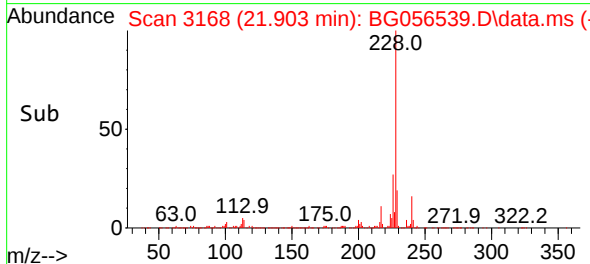
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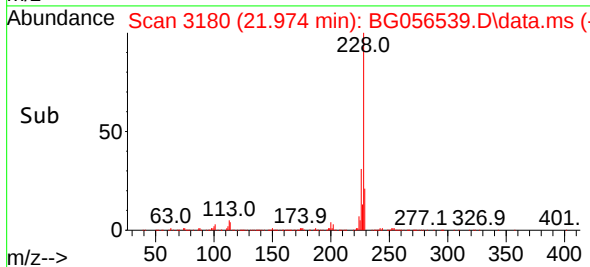
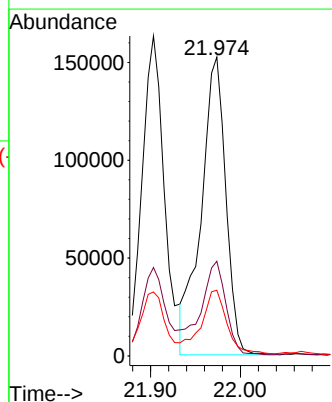
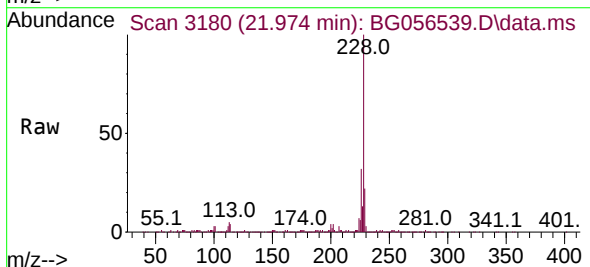
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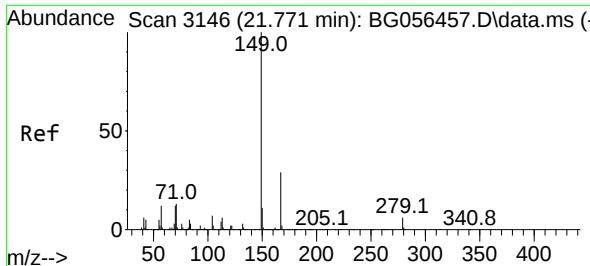
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#83
Chrysene
Concen: 17.482 ng
RT: 21.974 min Scan# 3180
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

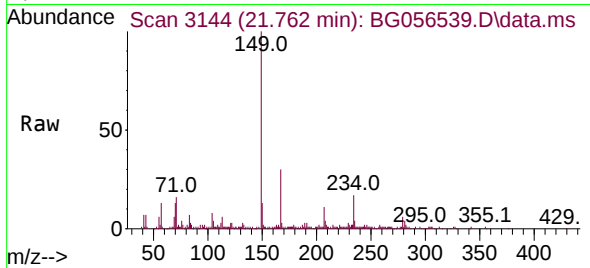
Tgt Ion:228 Resp: 292657
Ion Ratio Lower Upper
228 100
226 31.7 25.0 37.4
229 22.0 16.4 24.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 7.326 ng
RT: 21.762 min Scan# 3146
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

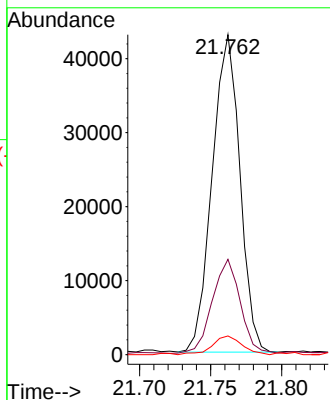
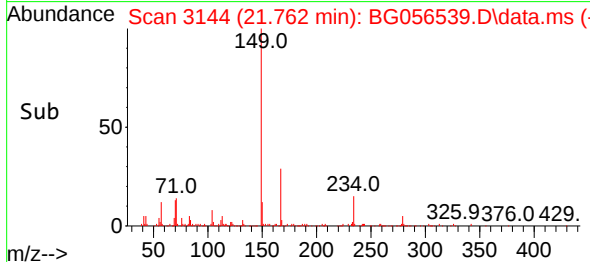
Instrument :
BNA_G
ClientSampleId :
VNJ-225



Tgt Ion:149 Resp: 58148
Ion Ratio Lower Upper
149 100
167 29.8 23.4 35.2
279 5.8 4.4 6.6

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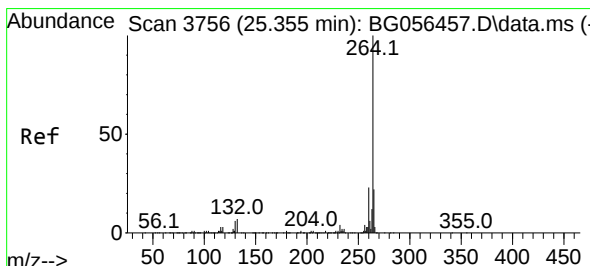
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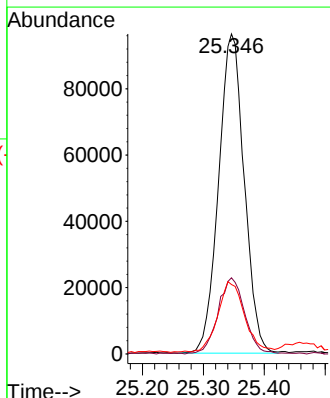
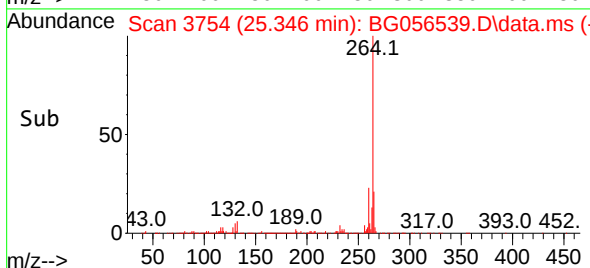
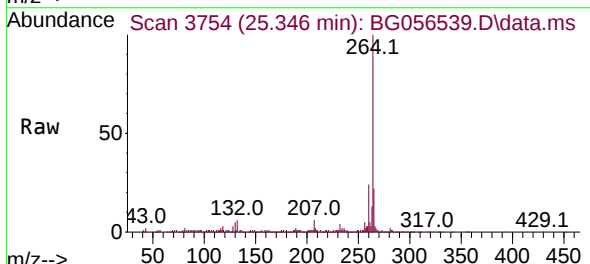
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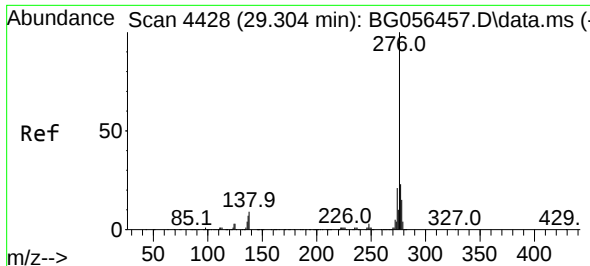
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#86
Perylene-d12
Concen: 20.000 ng
RT: 25.346 min Scan# 3754
Delta R.T. 0.002 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

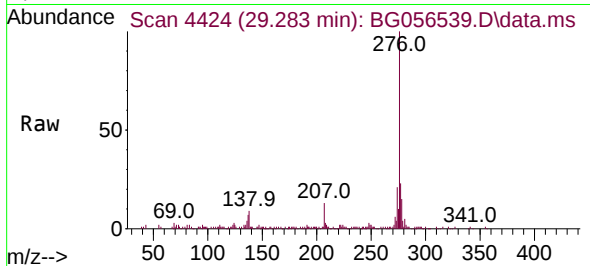
Tgt Ion:264 Resp: 280558
Ion Ratio Lower Upper
264 100
260 23.8 18.2 27.4
265 21.7 18.1 27.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.111 ng
RT: 29.283 min Scan# 4428
Delta R.T. 0.002 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Instrument :
BNA_G
ClientSampleId :
VNJ-225



Tgt Ion:276 Resp: 187113
Ion Ratio Lower Upper
276 100
138 10.5 9.4 14.2
277 25.1 20.3 30.5

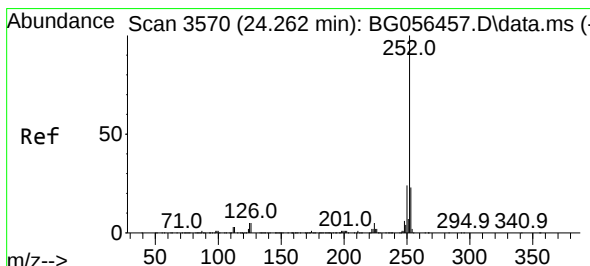
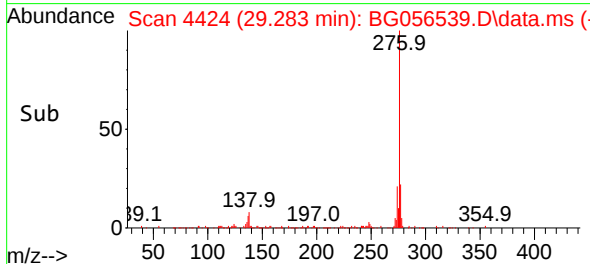
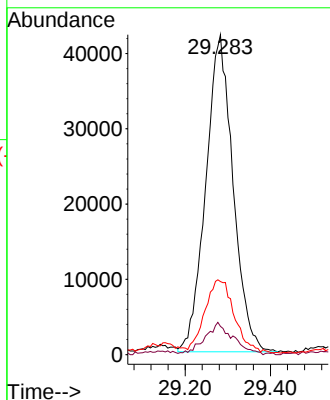
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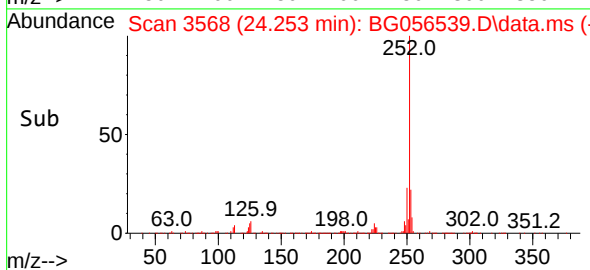
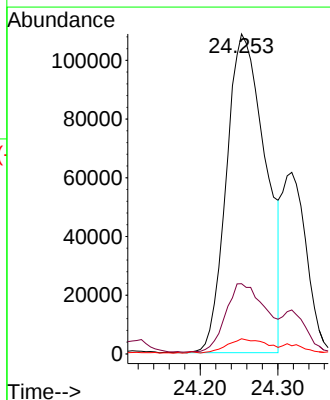
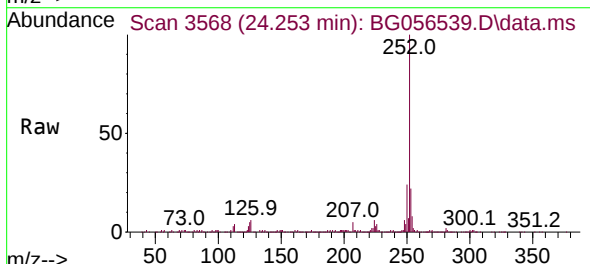
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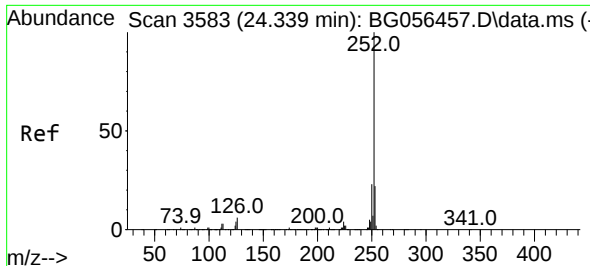
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#88
Benzo(b)fluoranthene
Concen: 21.851 ng
RT: 24.253 min Scan# 3568
Delta R.T. 0.002 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

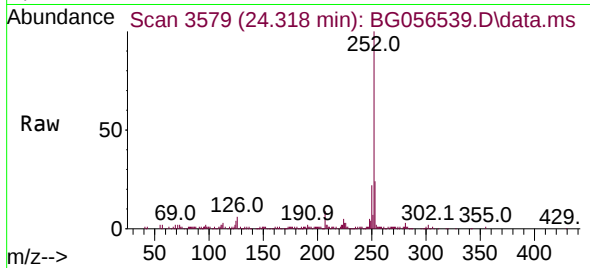
Tgt Ion:252 Resp: 380513
Ion Ratio Lower Upper
252 100
253 21.9 18.1 27.1
125 4.7 3.9 5.9





#89
Benzo(k)fluoranthene
Concen: 7.663 ng m
RT: 24.318 min Scan# 3583
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Instrument :
BNA_G
ClientSampleId :
VNJ-225



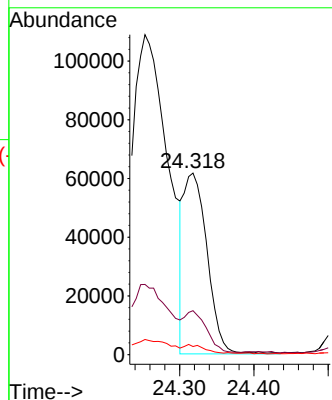
Tgt Ion:252 Resp: 134736
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 4.5 3.4 5.0

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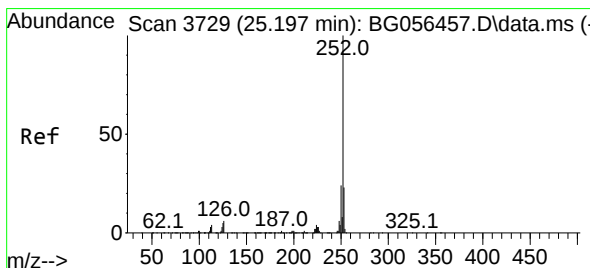
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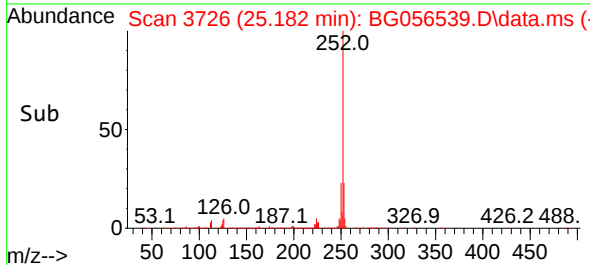
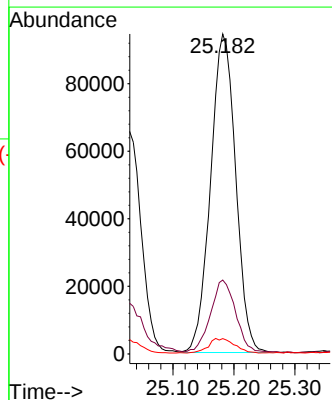
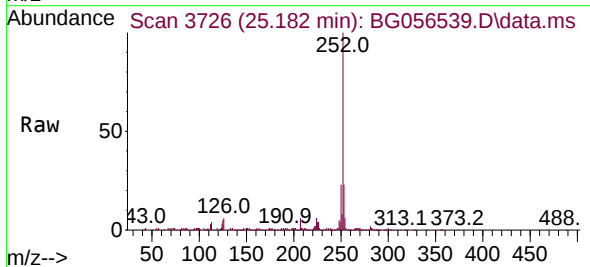


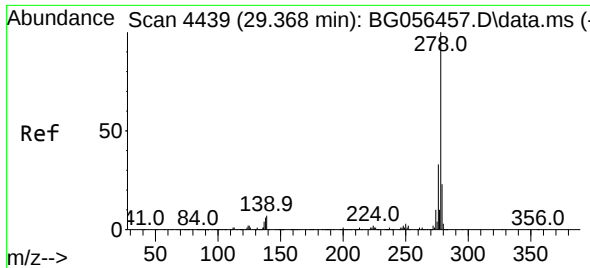
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#90
Benzo(a)pyrene
Concen: 15.749 ng
RT: 25.182 min Scan# 3726
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Tgt Ion:252 Resp: 270148
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 4.8 4.1 6.1





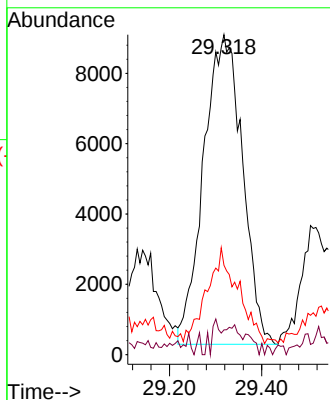
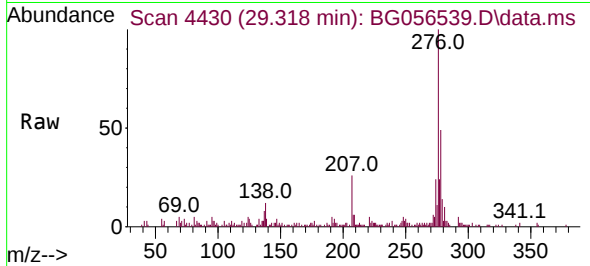
#91
Dibenzo(a,h)anthracene
Concen: 2.983 ng
RT: 29.318 min Scan# 4439
Delta R.T. -0.027 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Instrument :
BNA_G
ClientSampleId :
VNJ-225

Tgt Ion:278 Resp: 51419
Ion Ratio Lower Upper
278 100
139 7.7 5.5 8.3
279 27.9 18.8 28.2

Manual Integrations
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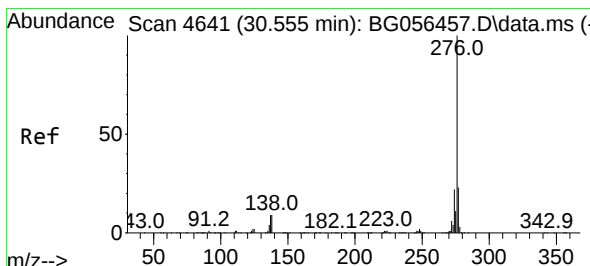
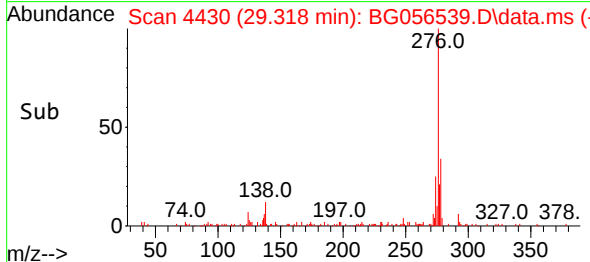
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02/06/2023



#92
Benzo(g,h,i)perylene
Concen: 10.877 ng
RT: 30.517 min Scan# 4634
Delta R.T. -0.009 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Tgt Ion:276 Resp: 180928
Ion Ratio Lower Upper
276 100
277 23.9 18.5 27.7
138 8.9 7.4 11.0

