

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
 Data File : BM044768.D
 Acq On : 26 Mar 2024 14:47
 Operator : MA/JU
 Sample : P1865-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-235

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 03/27/2024
 Supervised By :mohammad ahmed 03/28/2024

Quant Time: Mar 26 15:17:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 02:28:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	177429	20.000	ng	-0.02
21) Naphthalene-d8	10.469	136	687033	20.000	ng	-0.02
39) Acenaphthene-d10	14.333	164	396828	20.000	ng	-0.02
64) Phenanthrene-d10	17.092	188	789100	20.000	ng	-0.01
76) Chrysene-d12	21.292	240	713553	20.000	ng	-0.01
86) Perylene-d12	23.544	264	879150	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	940989	76.146	ng	0.00
7) Phenol-d6	6.869	99	1180176	74.233	ng	-0.01
23) Nitrobenzene-d5	8.845	82	715948	50.203	ng	-0.02
42) 2,4,6-Tribromophenol	15.833	330	392028	89.568	ng	-0.01
45) 2-Fluorobiphenyl	12.951	172	1339682	46.494	ng	-0.02
79) Terphenyl-d14	19.733	244	1931968	47.364	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.516	128	108193	2.869	ng	98
38) 1-Methylnaphthalene	12.357	142	52557	2.204	ng	# 97
49) Acenaphthylene	14.057	152	493185	13.191	ng	100
52) Acenaphthene	14.398	154	105877	4.685	ng	98
55) Dibenzofuran	14.739	168	138219	3.853	ng	# 97
58) Fluorene	15.386	166	290306	10.393	ng	100
71) Phenanthrene	17.139	178	3227772	74.019	ng	100
72) Anthracene	17.227	178	1014603	23.198	ng	99
73) Carbazole	17.504	167	181497	4.406	ng	99
75) Fluoranthene	19.162	202	5371974	110.202	ng	97
78) Pyrene	19.527	202	4721067	90.273	ng	99
81) Benzo(a)anthracene	21.280	228	2585402	52.074	ng	94
83) Chrysene	21.333	228	2169917	45.738	ng	96
87) Indeno(1,2,3-cd)pyrene	25.815	276	1296360	20.398	ng	# 93
88) Benzo(b)fluoranthene	22.874	252	2848769	55.139	ng	99
89) Benzo(k)fluoranthene	22.909	252	818897m	15.418	ng	
90) Benzo(a)pyrene	23.450	252	2112673	41.924	ng	97
91) Dibenzo(a,h)anthracene	25.821	278	348165m	6.498	ng	
92) Benzo(g,h,i)perylene	26.509	276	1176021	22.297	ng	97

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

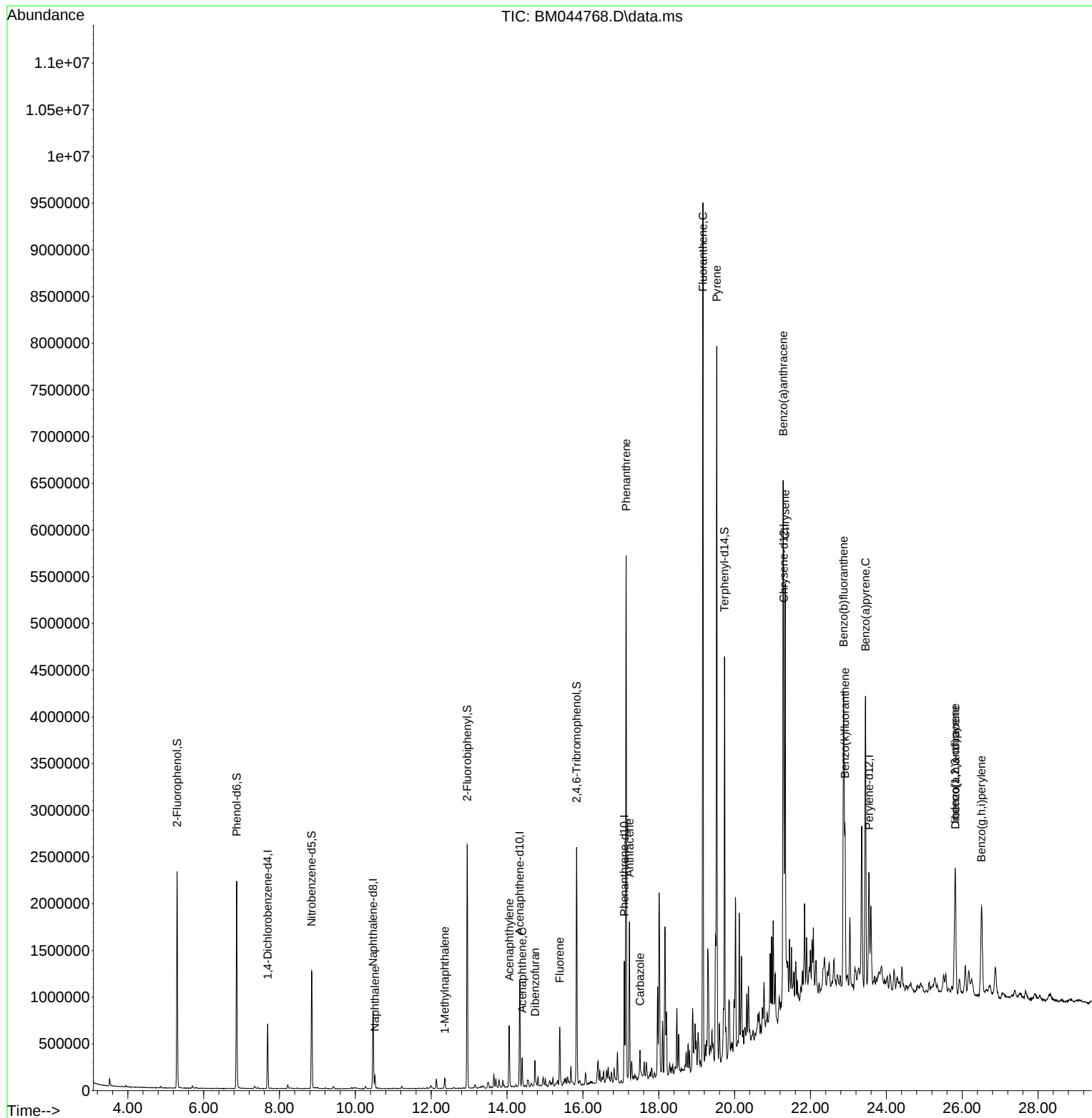
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
Data File : BM044768.D
Acq On : 26 Mar 2024 14:47
Operator : MA/JU
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Misc :
ALS Vial : 6 Sample Multiplier: 1

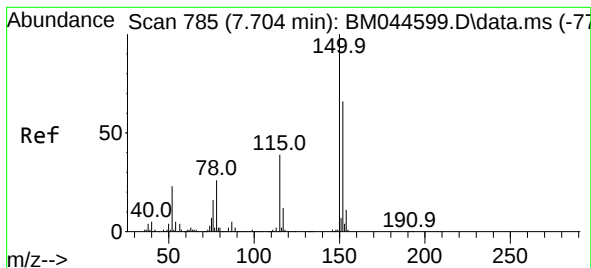
Instrument :
BNA_M
ClientSampleId :
VNJ-235

Quant Time: Mar 26 15:17:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
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QLast Update : Thu Mar 14 02:28:24 2024
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Supervised By :mohammad ahmed 03/28/2024





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.687 min Scan# 70

Delta R.T. -0.017 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

Instrument :

BNA_M

ClientSampleId :

VNJ-235

Tgt Ion:152 Resp: 177429

Ion Ratio Lower Upper

152 100

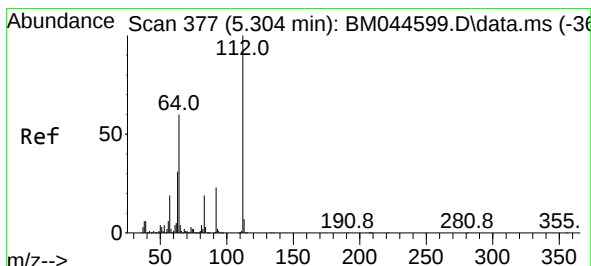
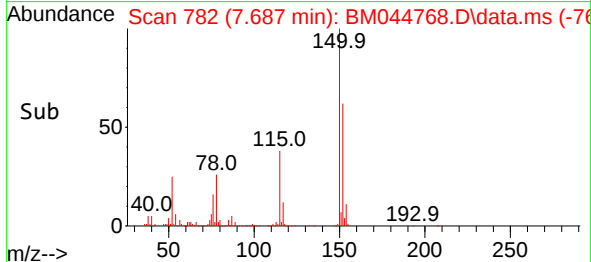
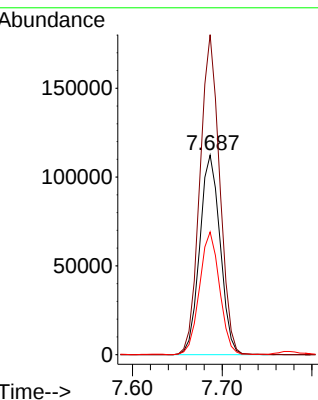
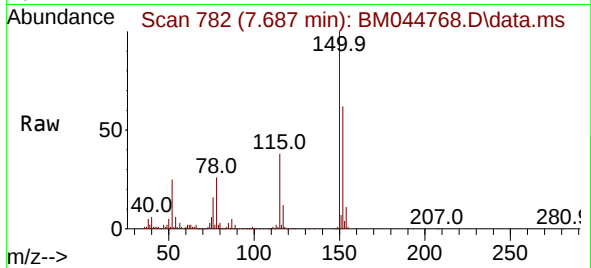
150 160.3 121.9 182.9

115 61.5 47.1 70.7

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Supervised By :mohammad ahmed 03/28/2024



#5

2-Fluorophenol

Concen: 76.146 ng

RT: 5.298 min Scan# 376

Delta R.T. -0.006 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

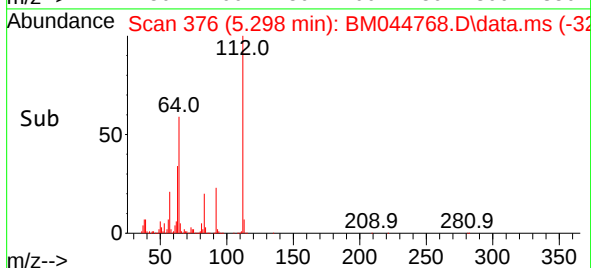
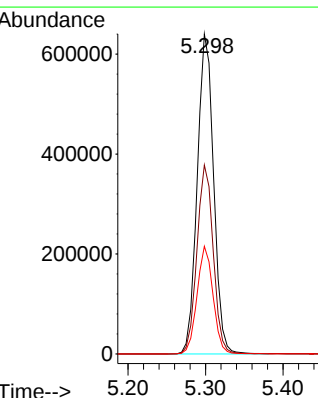
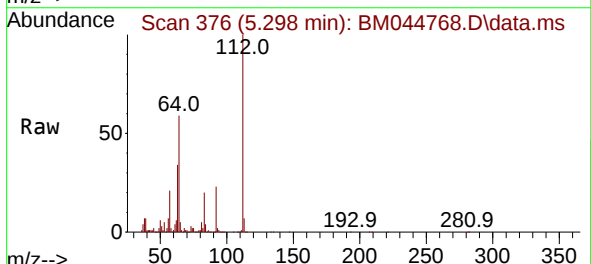
Tgt Ion:112 Resp: 940989

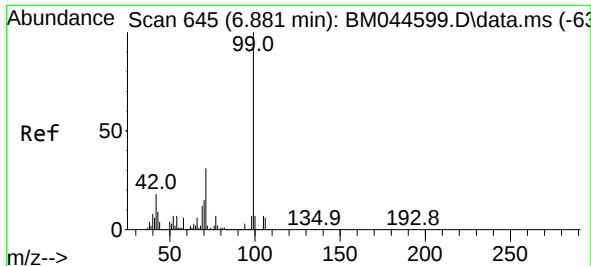
Ion Ratio Lower Upper

112 100

64 59.1 47.9 71.9

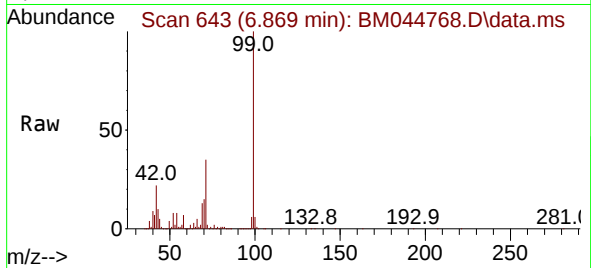
63 33.7 25.0 37.4





#7
Phenol-d6
Concen: 74.233 ng
RT: 6.869 min Scan# 645
Delta R.T. -0.012 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

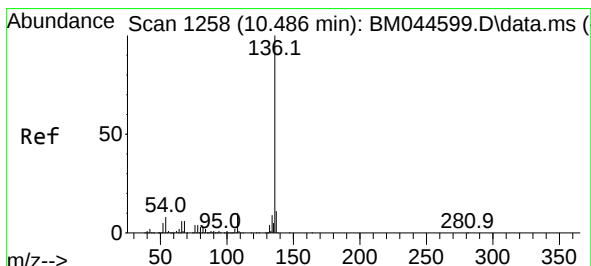
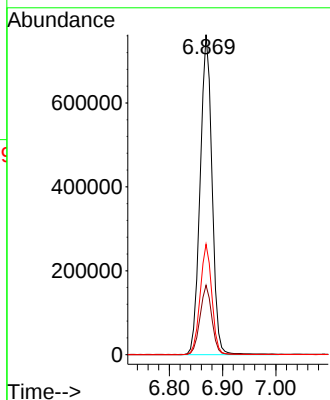
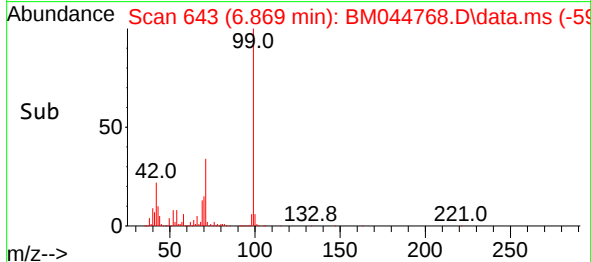
Instrument :
BNA_M
ClientSampleId :
VNJ-235



Tgt Ion: 99 Resp: 1180170
Ion Ratio Lower Upper
99 100
42 21.7 14.3 21.5
71 34.5 24.5 36.7

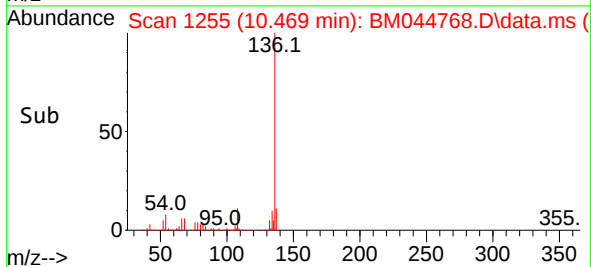
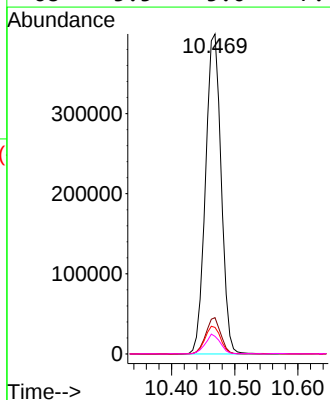
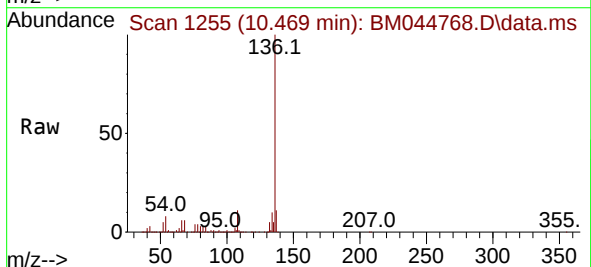
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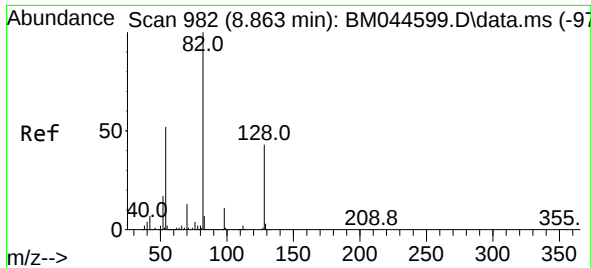
Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.469 min Scan# 1255
Delta R.T. -0.018 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

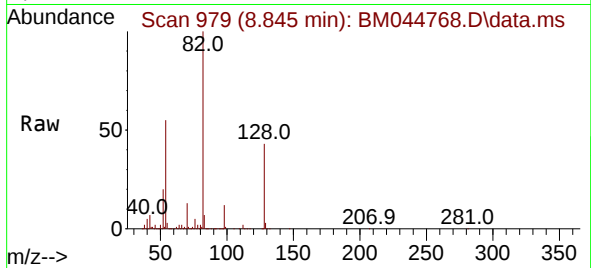
Tgt Ion:136 Resp: 687033
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 8.3 6.6 10.0
68 5.5 5.0 7.4





#23
Nitrobenzene-d5
Concen: 50.203 ng
RT: 8.845 min Scan# 91
Delta R.T. -0.018 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

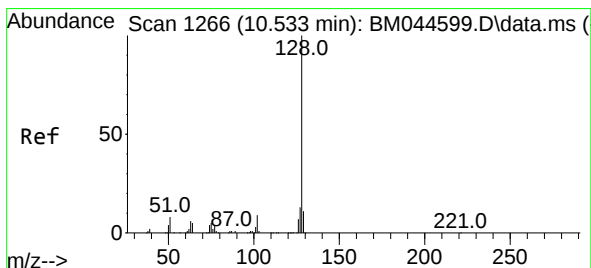
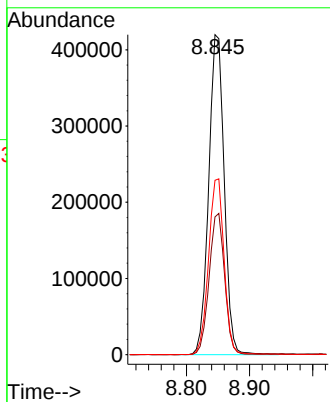
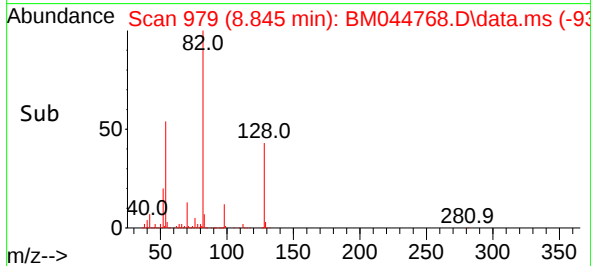
Instrument :
BNA_M
ClientSampleId :
VNJ-235



Tgt Ion: 82 Resp: 715948
Ion Ratio Lower Upper
82 100
128 43.1 34.2 51.4
54 54.5 41.3 61.9

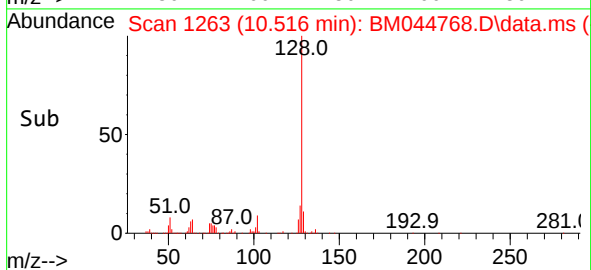
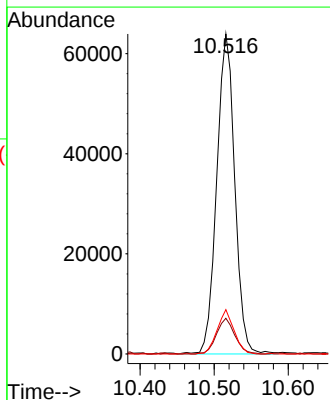
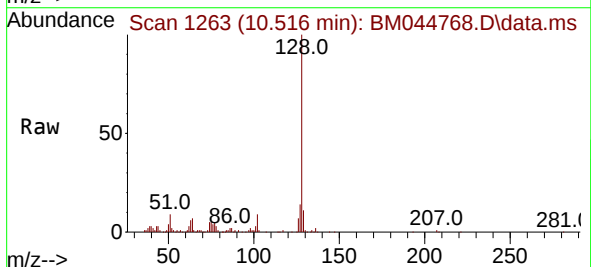
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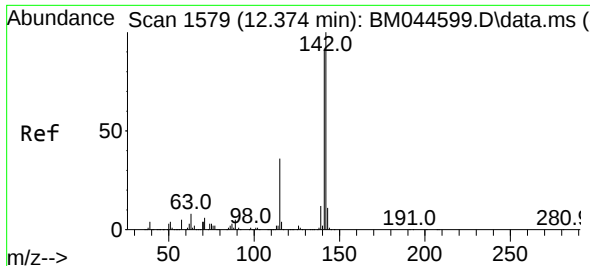
Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024



#31
Naphthalene
Concen: 2.869 ng
RT: 10.516 min Scan# 1263
Delta R.T. -0.018 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

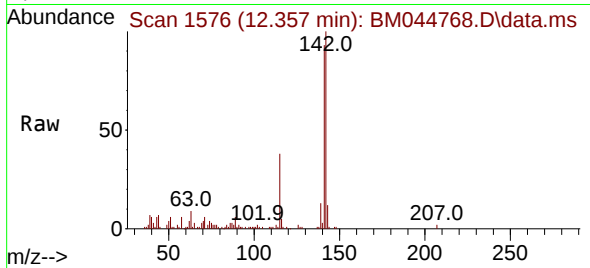
Tgt Ion:128 Resp: 108193
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.9 10.2 15.4





#38
1-Methylnaphthalene
Concen: 2.204 ng
RT: 12.357 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

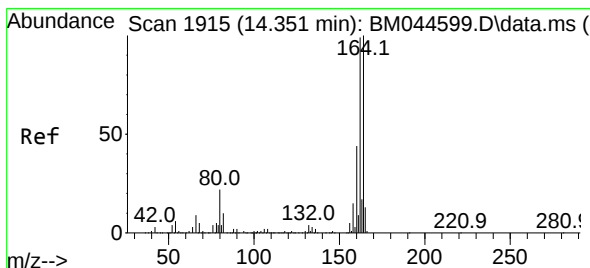
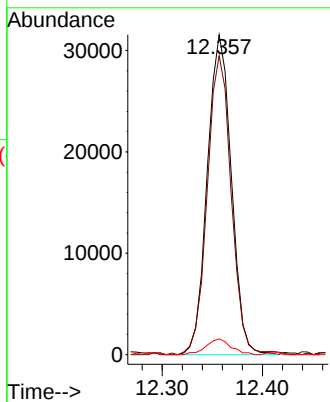
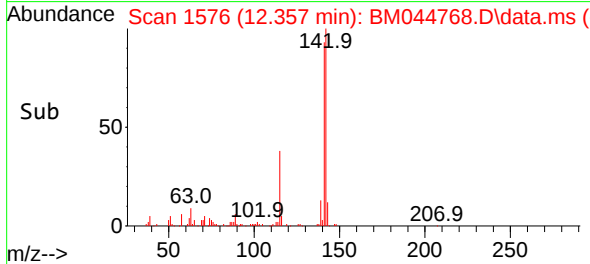
Instrument :
BNA_M
ClientSampleId :
VNJ-235



Tgt Ion:142 Resp: 5255
Ion Ratio Lower Upper
142 100
141 93.4 72.9 109.3
116 5.0 2.9 4.3

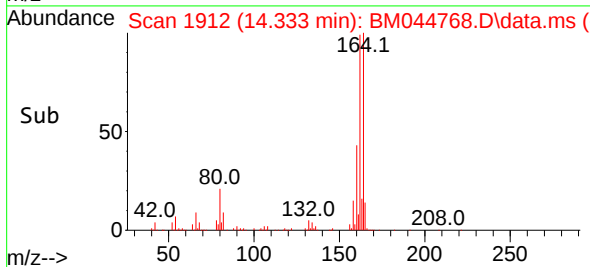
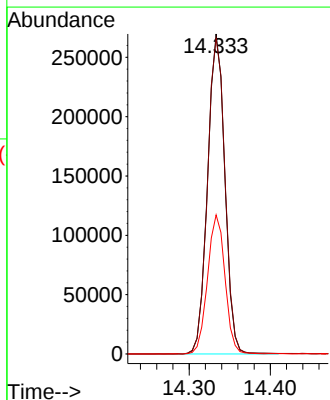
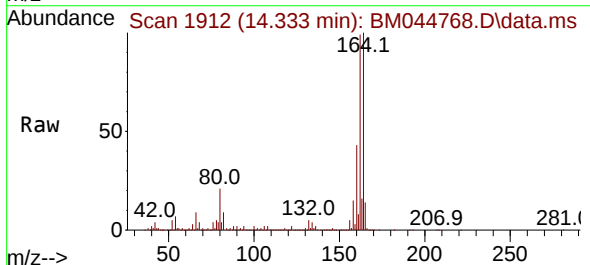
Manual Integrations
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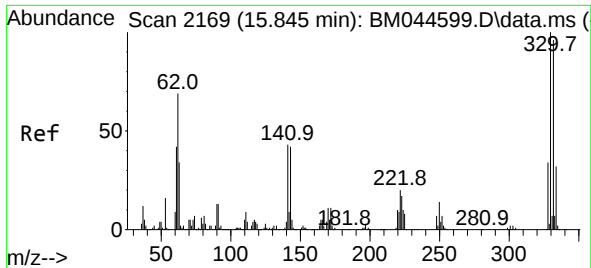
Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.333 min Scan# 1912
Delta R.T. -0.018 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

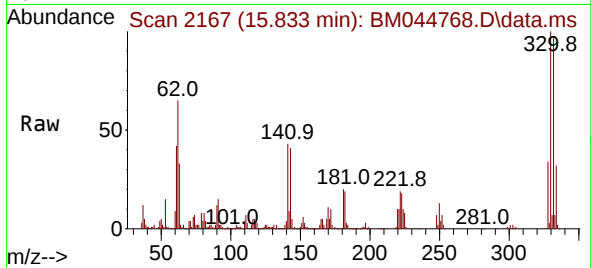
Tgt Ion:164 Resp: 396828
Ion Ratio Lower Upper
164 100
162 98.6 79.3 118.9
160 43.4 35.2 52.8





#42
2,4,6-Tribromophenol
Concen: 89.568 ng
RT: 15.833 min Scan# 2167
Delta R.T. -0.012 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

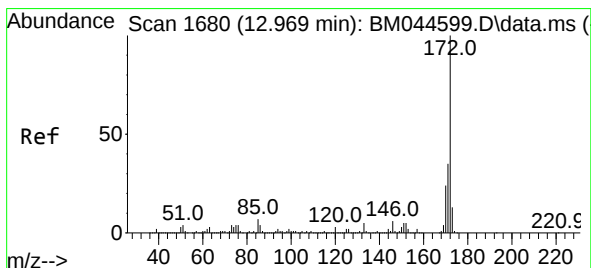
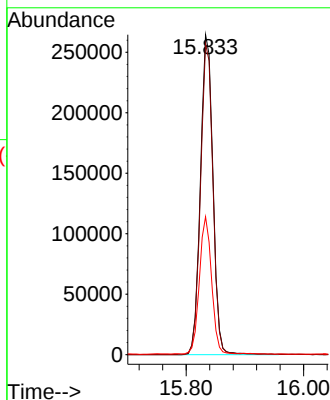
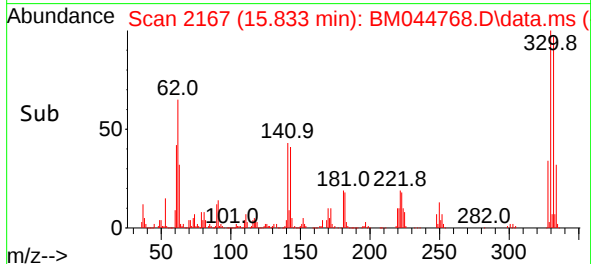
Instrument :
BNA_M
ClientSampleId :
VNJ-235



Tgt Ion:330 Resp: 392028
Ion Ratio Lower Upper
330 100
332 96.2 77.8 116.8
141 41.6 33.4 50.0

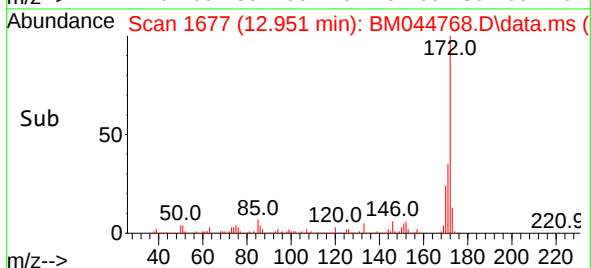
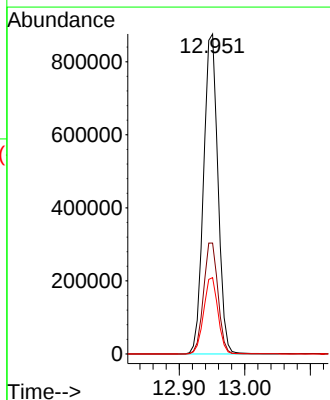
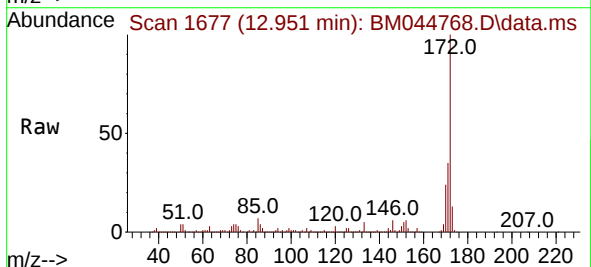
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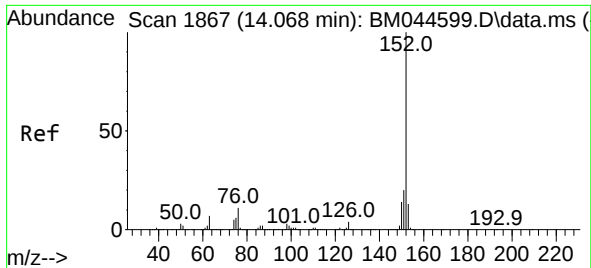
Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024



#45
2-Fluorobiphenyl
Concen: 46.494 ng
RT: 12.951 min Scan# 1677
Delta R.T. -0.018 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

Tgt Ion:172 Resp: 1339682
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.2
170 23.8 19.0 28.6





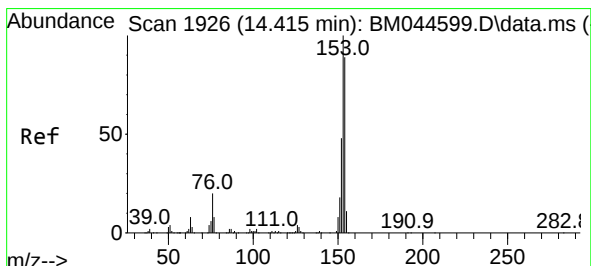
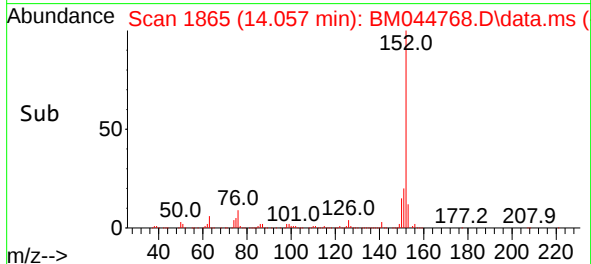
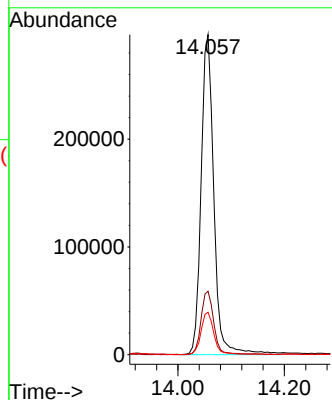
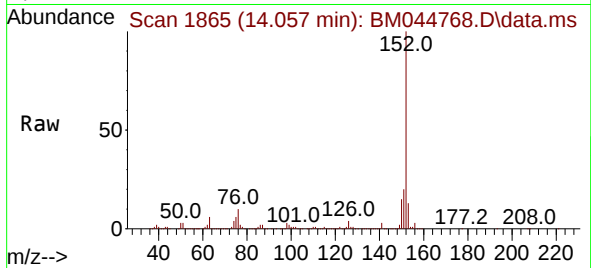
#49
Acenaphthylene
Concen: 13.191 ng
RT: 14.057 min Scan# 1865
Delta R.T. -0.012 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

Instrument :
BNA_M
ClientSampleId :
VNJ-235

Tgt Ion:152 Resp: 49318
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 13.3 10.6 15.8

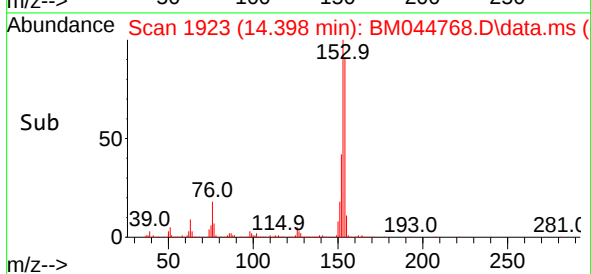
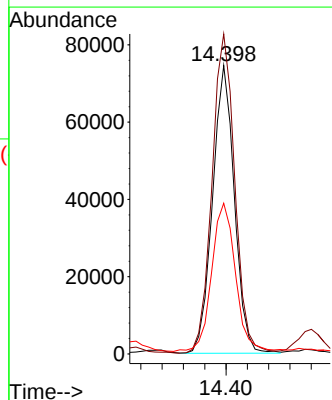
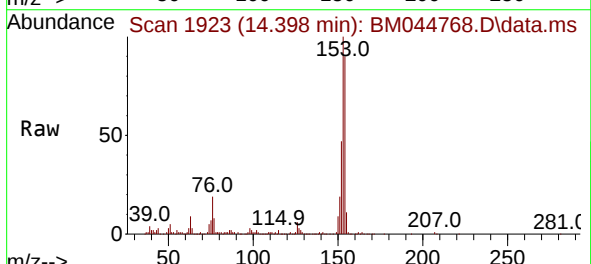
Manual Integrations
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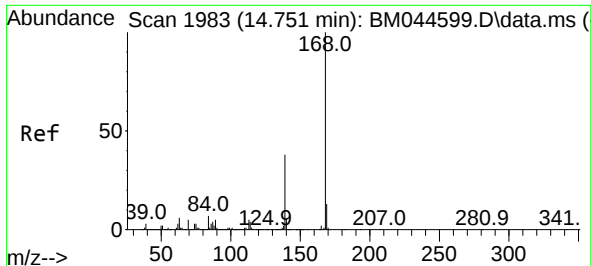
Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024



#52
Acenaphthene
Concen: 4.685 ng
RT: 14.398 min Scan# 1923
Delta R.T. -0.018 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

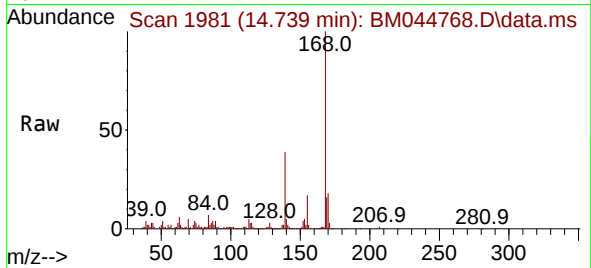
Tgt Ion:154 Resp: 105877
Ion Ratio Lower Upper
154 100
153 110.9 90.3 135.5
152 52.2 43.1 64.7





#55
Dibenzenofuran
Concen: 3.853 ng
RT: 14.739 min Scan# 1981
Delta R.T. -0.012 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

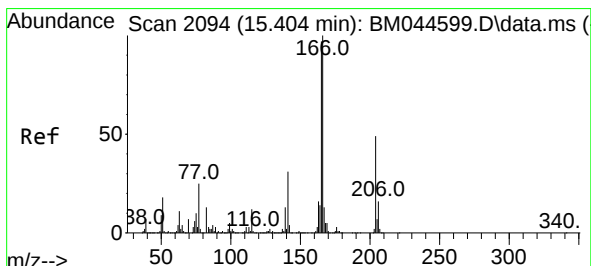
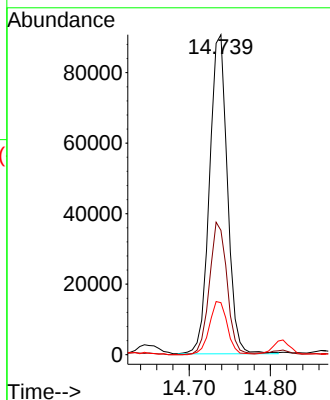
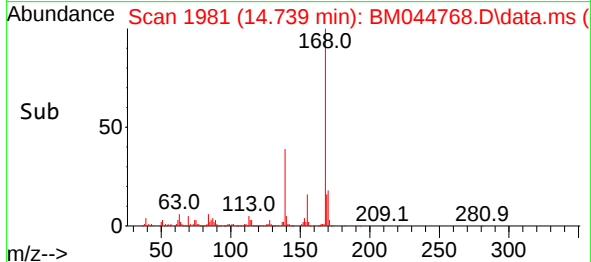
Instrument :
BNA_M
ClientSampleId :
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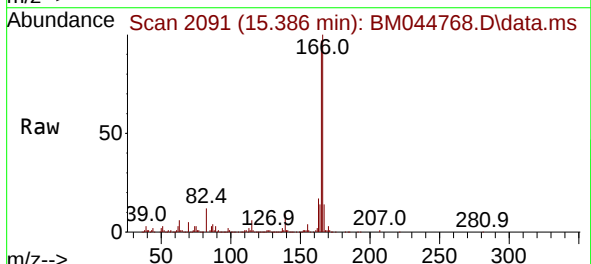
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Ion Ratio Lower Upper
168 100
139 38.9 30.6 46.0
169 16.3 10.6 16.0

Manual Integrations
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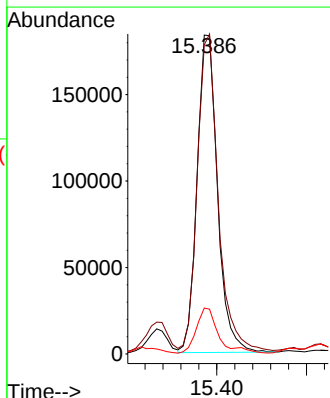
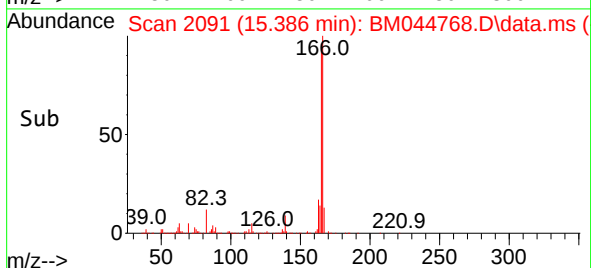
Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024

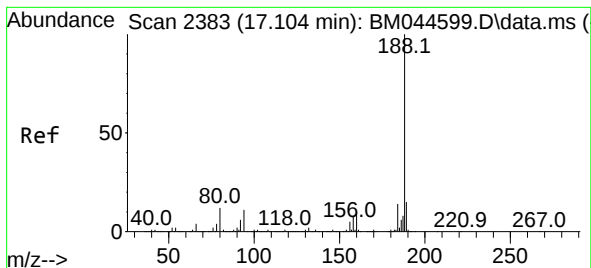


#58
Fluorene
Concen: 10.393 ng
RT: 15.386 min Scan# 2091
Delta R.T. -0.018 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47



Tgt Ion:166 Resp: 290306
Ion Ratio Lower Upper
166 100
165 96.9 77.7 116.5
167 14.4 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

Instrument :

BNA_M

ClientSampleId :

VNJ-235

Tgt Ion:188 Resp: 789100

Ion Ratio Lower Upper

188 100

94 9.6 8.4 12.6

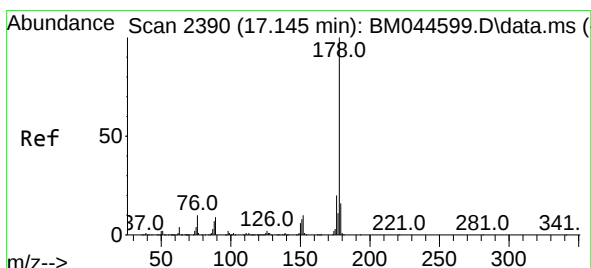
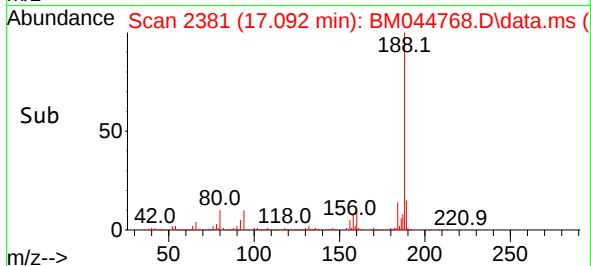
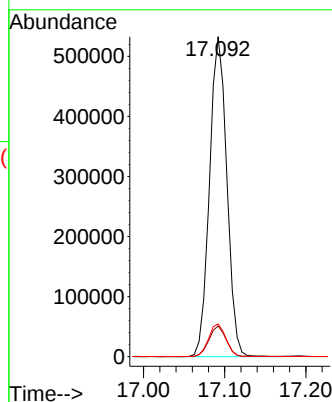
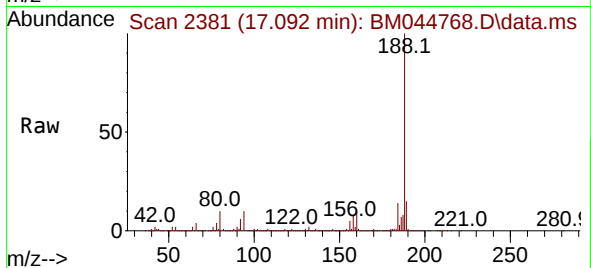
80 10.2 9.4 14.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/27/2024

Supervised By :mohammad ahmed 03/28/2024



#71

Phenanthrene

Concen: 74.019 ng

RT: 17.139 min Scan# 2389

Delta R.T. -0.006 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

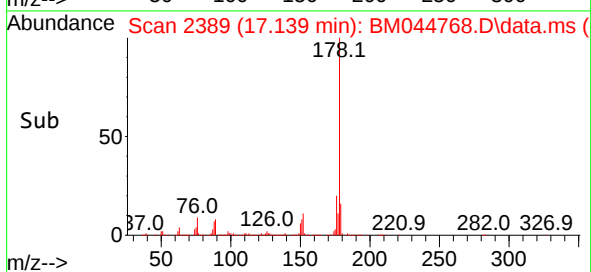
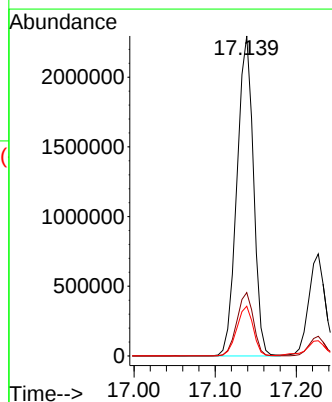
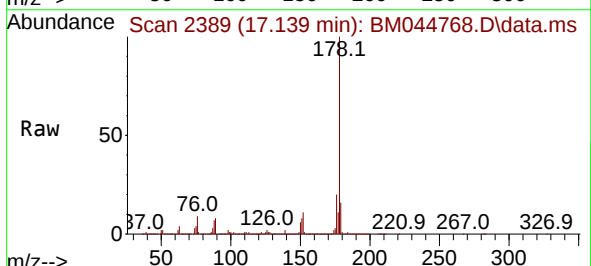
Tgt Ion:178 Resp: 3227772

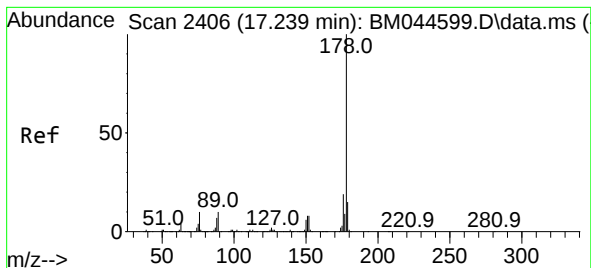
Ion Ratio Lower Upper

178 100

176 19.8 15.7 23.5

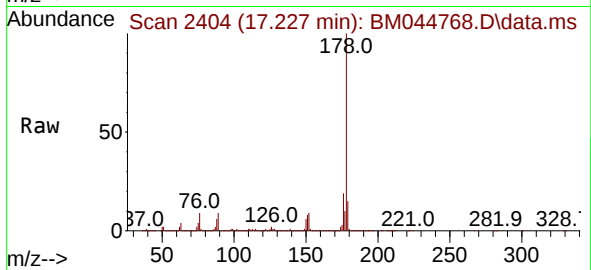
179 15.5 12.4 18.6





#72
 Anthracene
 Concen: 23.198 ng
 RT: 17.227 min Scan# 2404
 Delta R.T. -0.012 min
 Lab File: BM044768.D
 Acq: 26 Mar 2024 14:47

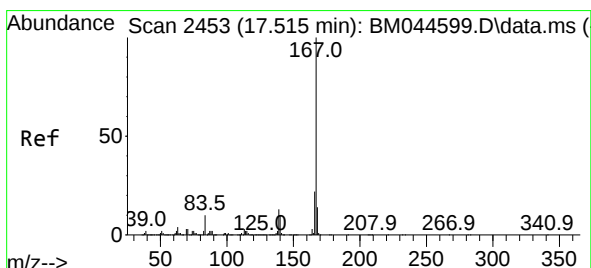
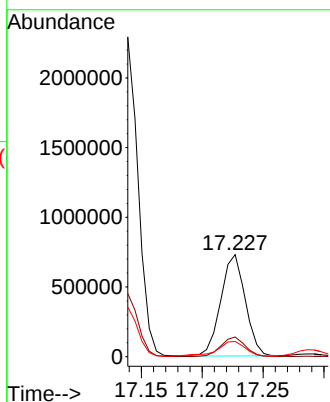
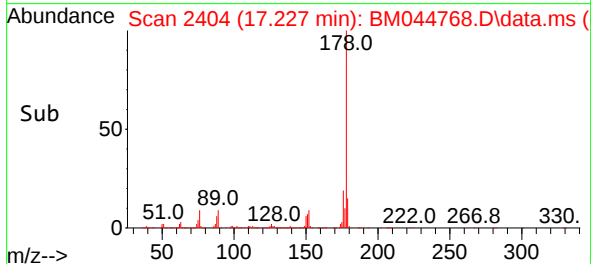
Instrument :
 BNA_M
 ClientSampleId :
 VNJ-235



Tgt Ion:178 Resp: 101460
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.3 22.9
 179 15.0 12.2 18.4

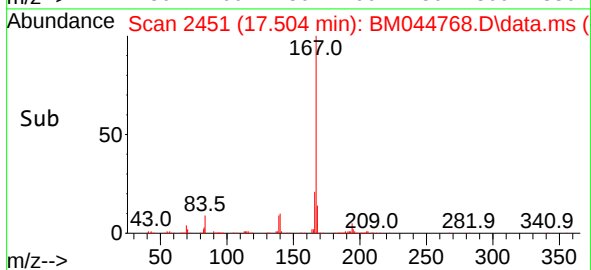
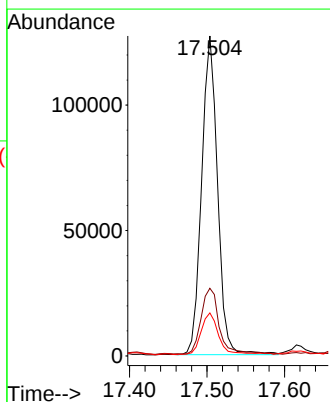
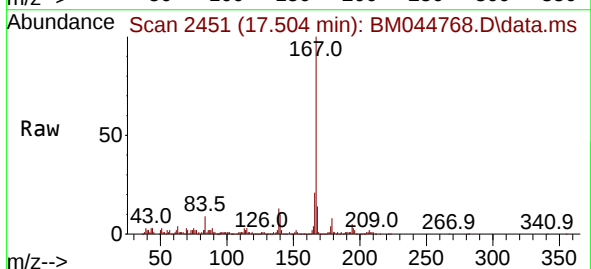
Manual Integrations
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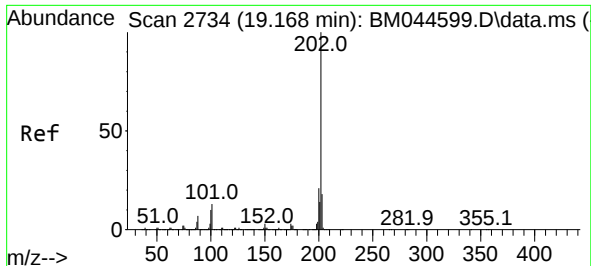
Reviewed By :Jagrut Upadhyay 03/27/2024
 Supervised By :mohammad ahmed 03/28/2024



#73
 Carbazole
 Concen: 4.406 ng
 RT: 17.504 min Scan# 2451
 Delta R.T. -0.012 min
 Lab File: BM044768.D
 Acq: 26 Mar 2024 14:47

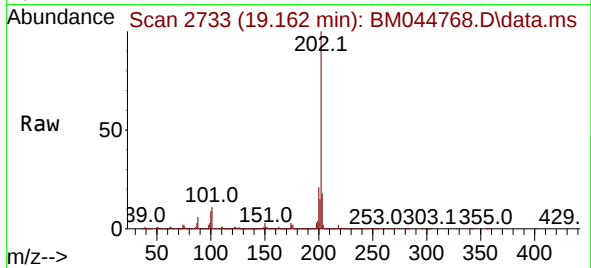
Tgt Ion:167 Resp: 181497
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.2 25.8
 139 13.4 10.6 15.8





#75
Fluoranthene
Concen: 110.202 ng
RT: 19.162 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

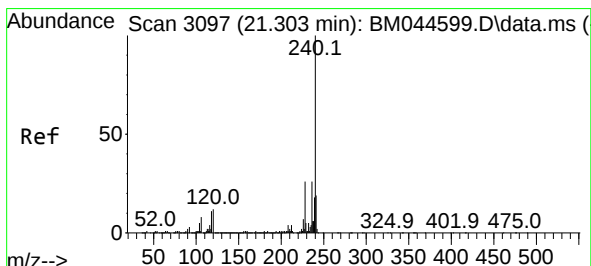
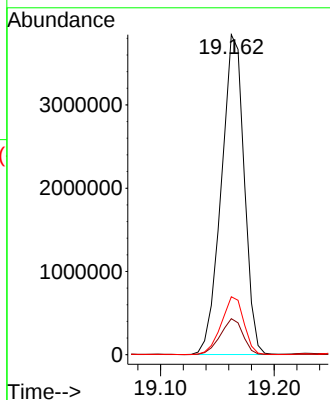
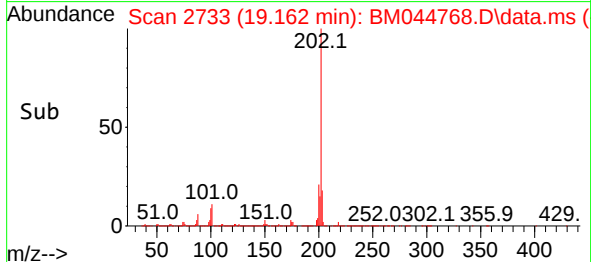
Instrument :
BNA_M
ClientSampleId :
VNJ-235



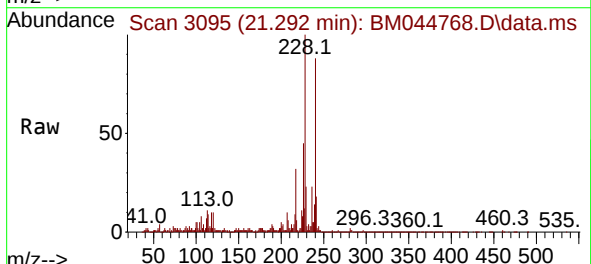
Tgt Ion:202 Resp: 5371974
Ion Ratio Lower Upper
202 100
101 11.3 0.0 33.3
203 18.1 0.0 37.7

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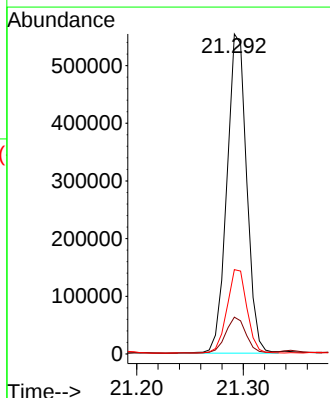
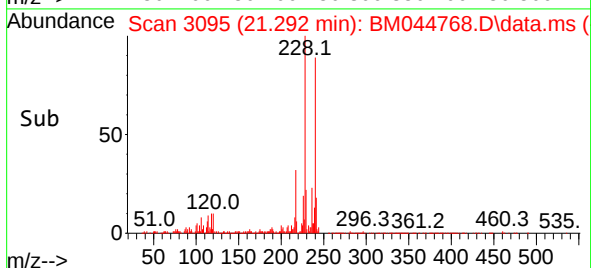
Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024

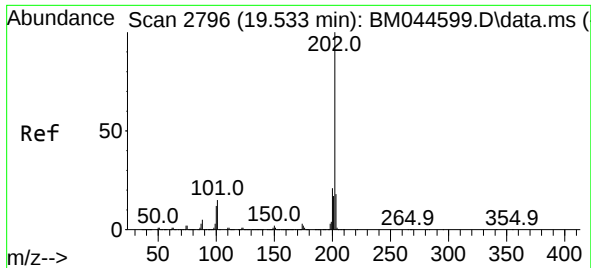


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 3095
Delta R.T. -0.012 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47



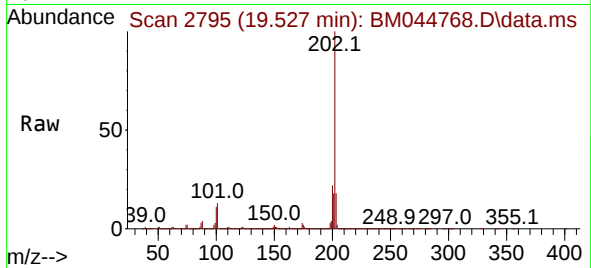
Tgt Ion:240 Resp: 713553
Ion Ratio Lower Upper
240 100
120 11.5 9.7 14.5
236 26.4 21.0 31.4





#78
Pyrene
Concen: 90.273 ng
RT: 19.527 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

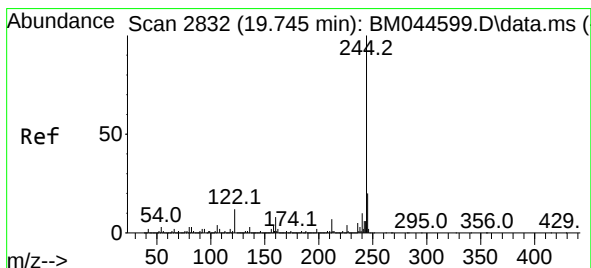
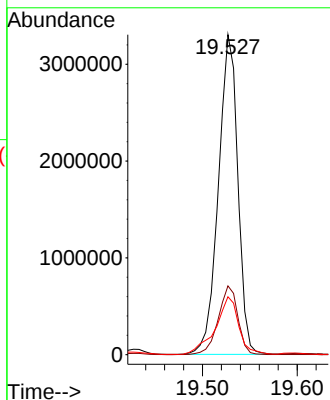
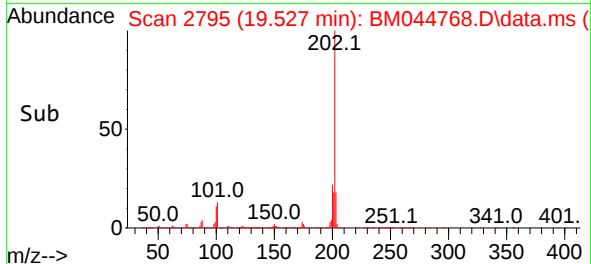
Instrument :
BNA_M
ClientSampleId :
VNJ-235



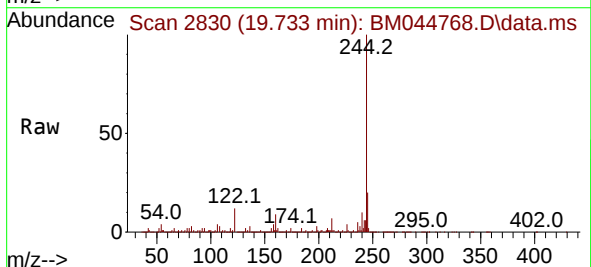
Tgt Ion:202 Resp: 472106
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.4
203 18.1 14.1 21.1

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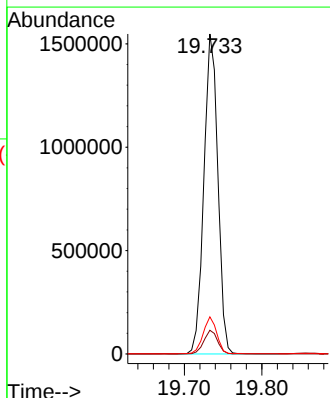
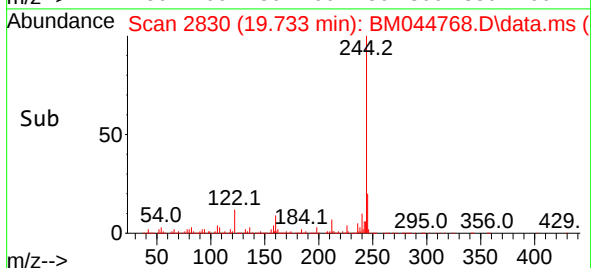
Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024

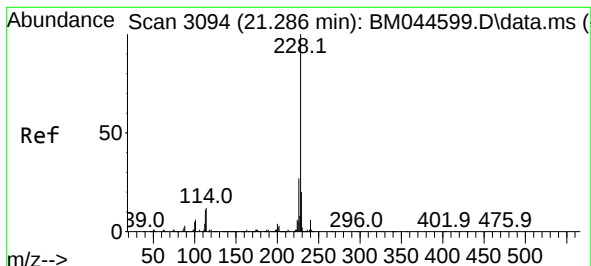


#79
Terphenyl-d14
Concen: 47.364 ng
RT: 19.733 min Scan# 2830
Delta R.T. -0.012 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47



Tgt Ion:244 Resp: 1931968
Ion Ratio Lower Upper
244 100
212 7.4 5.5 8.3
122 11.6 9.7 14.5





#81

Benzo(a)anthracene

Concen: 52.074 ng

RT: 21.280 min Scan# 3094

Delta R.T. -0.006 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

Instrument :

BNM

ClientSampleId :

VNJ-235

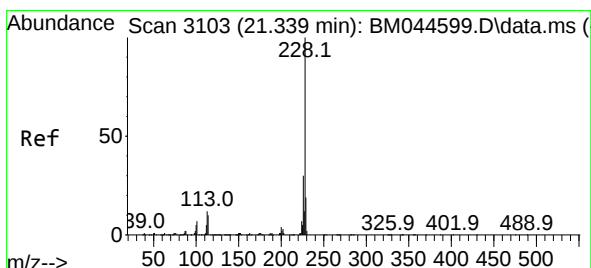
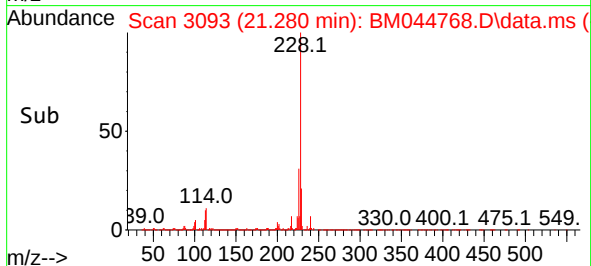
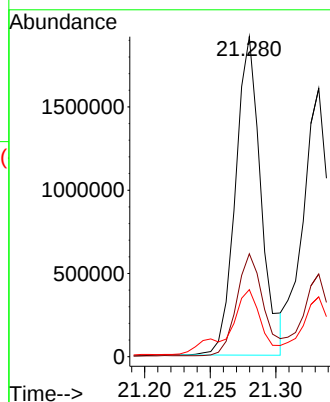
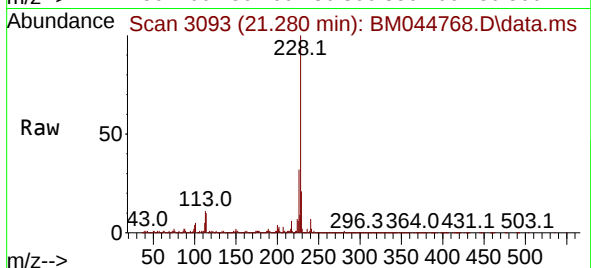
Tgt Ion:228 Resp: 258540

Ion	Ratio	Lower	Upper
228	100		
226	32.1	21.9	32.9
229	21.0	15.9	23.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024



#83

Chrysene

Concen: 45.738 ng

RT: 21.333 min Scan# 3102

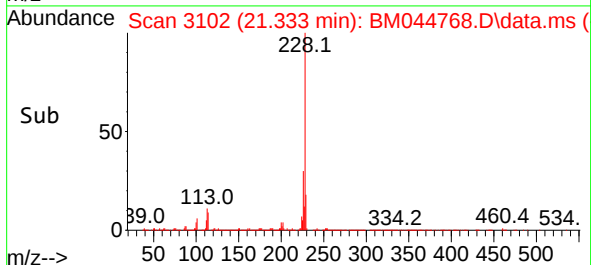
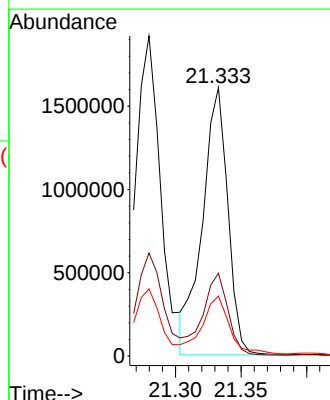
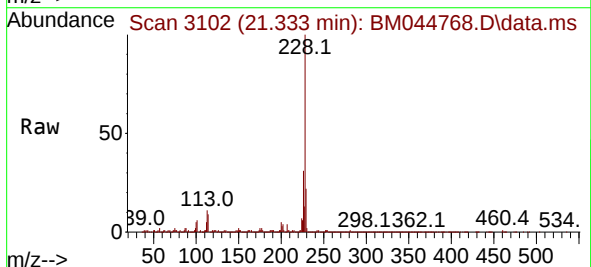
Delta R.T. -0.006 min

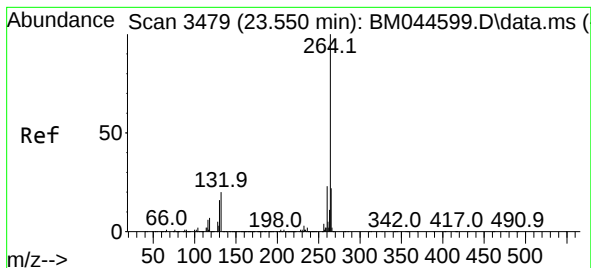
Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

Tgt Ion:228 Resp: 2169917

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.6	35.4
229	22.3	15.5	23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.544 min Scan# 3479

Delta R.T. -0.006 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

Instrument :

BNA_M

ClientSampleId :

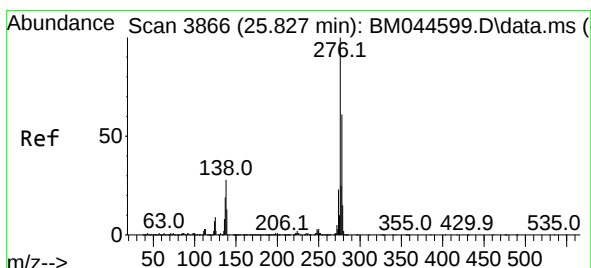
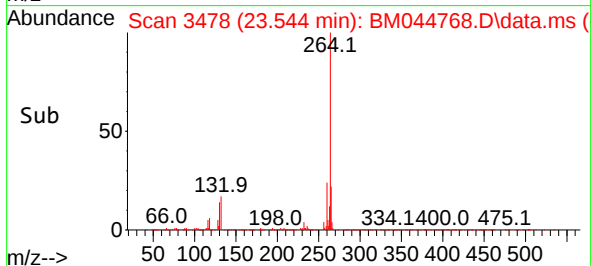
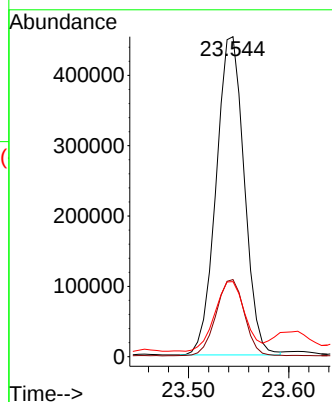
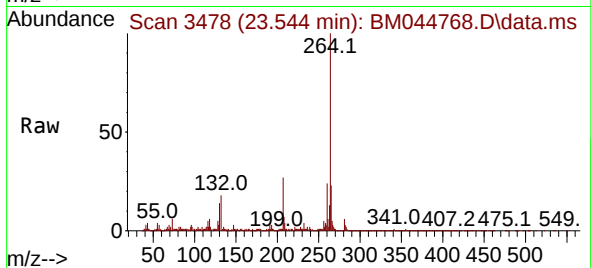
VNJ-235

Tgt Ion:	264	Resp:	879150
Ion Ratio	Lower	Upper	
264	100		
260	24.1	18.3	27.5
265	23.4	17.5	26.3

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Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 20.398 ng

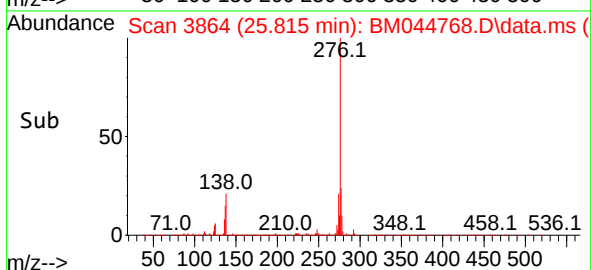
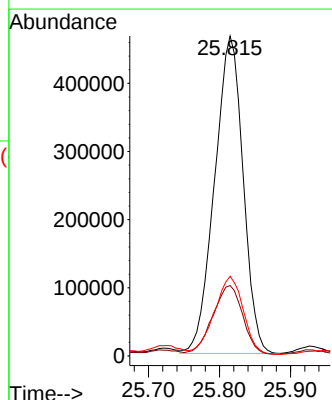
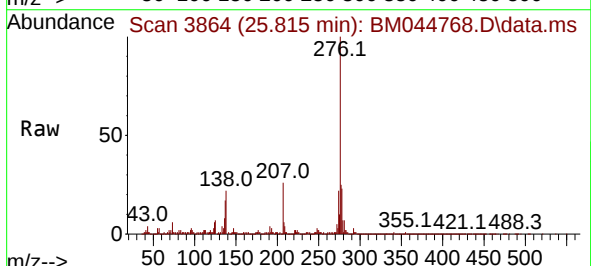
RT: 25.815 min Scan# 3864

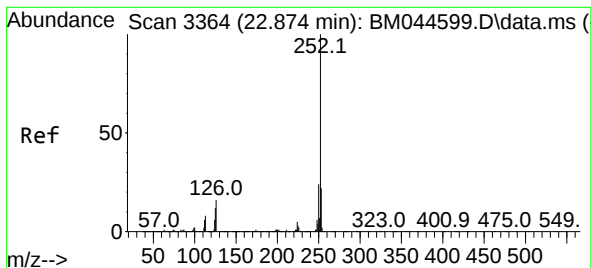
Delta R.T. -0.012 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

Tgt Ion:	276	Resp:	1296360
Ion Ratio	Lower	Upper	
276	100		
138	22.8	23.6	35.4#
277	25.0	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 55.139 ng

RT: 22.874 min Scan# 3364

Delta R.T. 0.000 min

Lab File: BM044768.D

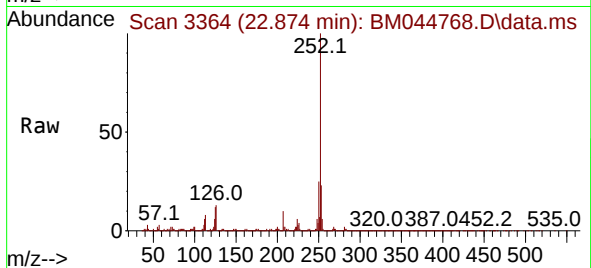
Acq: 26 Mar 2024 14:47

Instrument :

BNA_M

ClientSampleId :

VNJ-235



Tgt Ion:252 Resp: 2848769

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

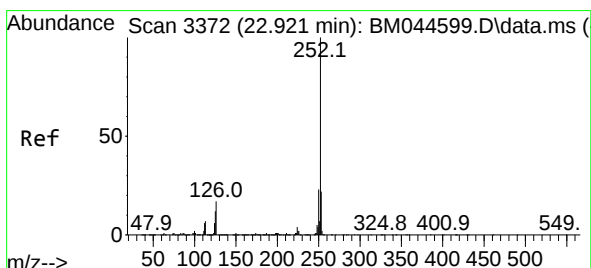
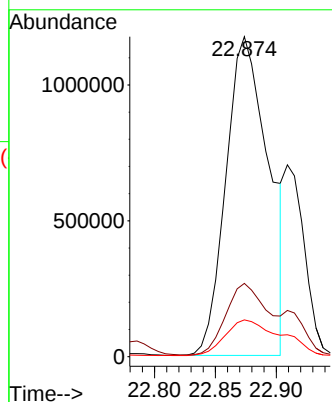
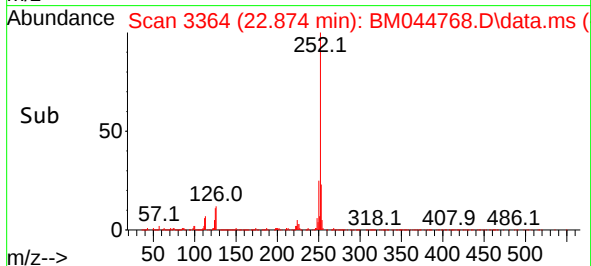
125 11.5 9.6 14.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/27/2024

Supervised By :mohammad ahmed 03/28/2024



#89

Benzo(k)fluoranthene

Concen: 15.418 ng m

RT: 22.909 min Scan# 3370

Delta R.T. -0.012 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

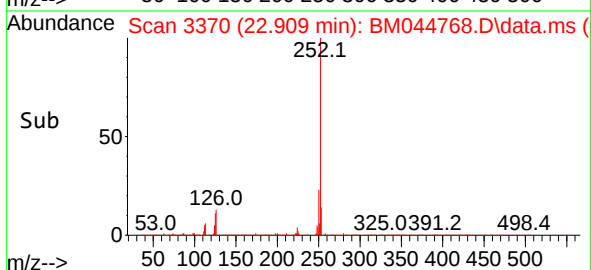
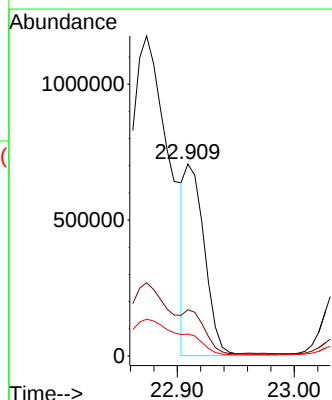
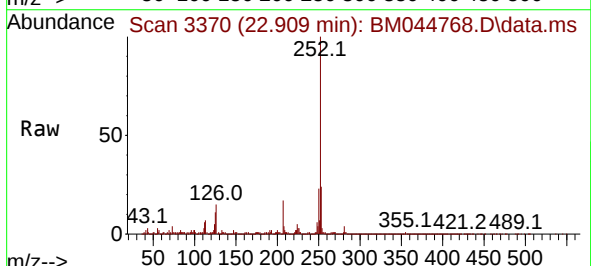
Tgt Ion:252 Resp: 818897

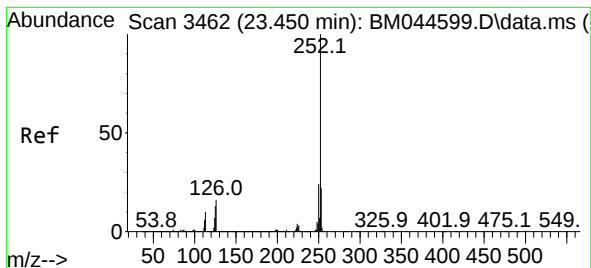
Ion Ratio Lower Upper

252 100

253 24.1 17.6 26.4

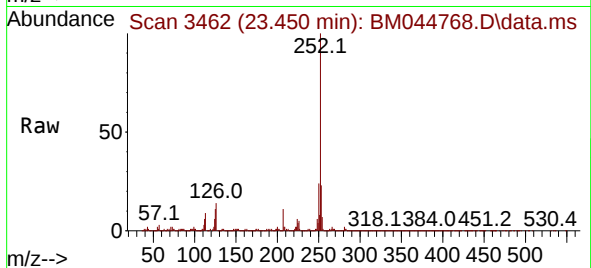
125 11.4 9.4 14.0





#90
Benzo(a)pyrene
Concen: 41.924 ng
RT: 23.450 min Scan# 3462
Delta R.T. 0.000 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

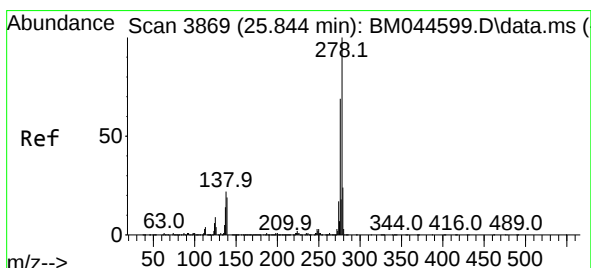
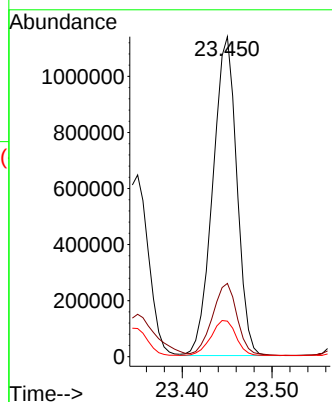
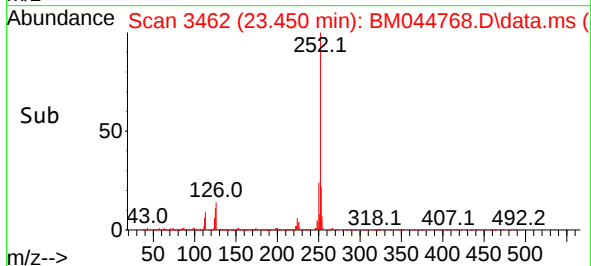
Instrument :
BNA_M
ClientSampleId :
VNJ-235



Tgt Ion:252 Resp: 211267
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 11.1 10.5 15.7

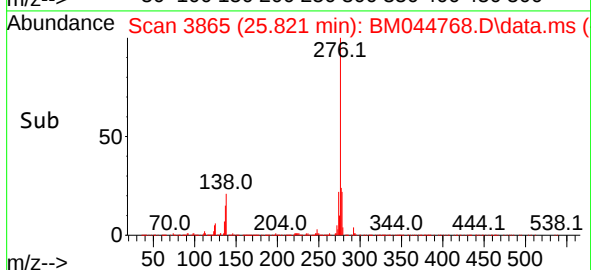
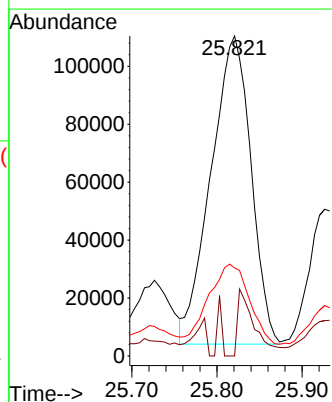
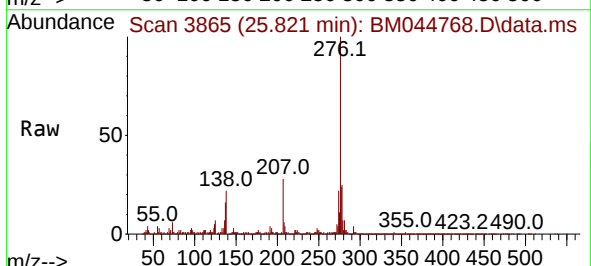
Manual Integrations
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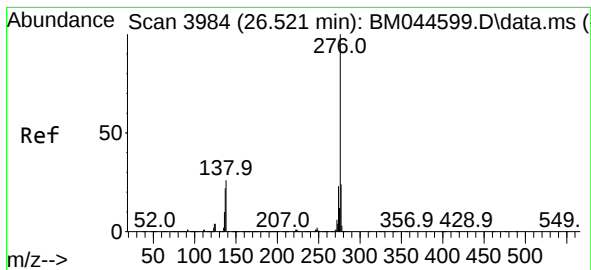
Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024



#91
Dibenzo(a,h)anthracene
Concen: 6.498 ng m
RT: 25.821 min Scan# 3865
Delta R.T. -0.023 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

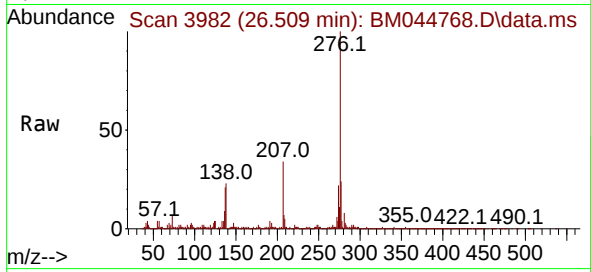
Tgt Ion:278 Resp: 348165
Ion Ratio Lower Upper
278 100
139 0.0 15.0 22.6#
279 27.5 19.3 28.9





#92
 Benzo(g,h,i)perylene
 Concen: 22.297 ng
 RT: 26.509 min Scan# 3982
 Delta R.T. -0.012 min
 Lab File: BM044768.D
 Acq: 26 Mar 2024 14:47

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-235



Tgt Ion: 276 Resp: 117602
 Ion Ratio Lower Upper
 276 100
 277 23.9 19.3 28.9
 138 23.5 20.7 31.1

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 03/27/2024
 Supervised By :mohammad ahmed 03/28/2024

