

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032724\
 Data File : BM044791.D
 Acq On : 27 Mar 2024 22:22
 Operator : MA/JU
 Sample : P1874-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-209

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 03/28/2024
 Supervised By :mohammad ahmed 03/29/2024

Quant Time: Mar 28 01:02:32 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	7.681	152	155923	20.000	ng	-0.02
21) Naphthalene-d8	10.457	136	556850	20.000	ng	-0.03
39) Acenaphthene-d10	14.327	164	292701	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	554563	20.000	ng	-0.02
76) Chrysene-d12	21.286	240	515540	20.000	ng	-0.02
86) Perylene-d12	23.527	264	632669	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	904208	83.262	ng	-0.01
7) Phenol-d6	6.863	99	1083061	77.521	ng	-0.02
23) Nitrobenzene-d5	8.845	82	684588	59.227	ng	-0.02
42) 2,4,6-Tribromophenol	15.827	330	298068	92.327	ng	-0.02
45) 2-Fluorobiphenyl	12.945	172	1236964	58.202	ng	-0.02
79) Terphenyl-d14	19.727	244	1565086	53.107	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.127	178	256880	8.382	ng	100
75) Fluoranthene	19.151	202	615570	17.969	ng	97
78) Pyrene	19.515	202	529795	14.021	ng	99
81) Benzo(a)anthracene	21.268	228	276200	7.700	ng	99
83) Chrysene	21.321	228	288466	8.416	ng	97
87) Indeno(1,2,3-cd)pyrene	25.785	276	210170	4.595	ng	94
88) Benzo(b)fluoranthene	22.856	252	429682	11.557	ng	99
89) Benzo(k)fluoranthene	22.897	252	125107m	3.273	ng	
90) Benzo(a)pyrene	23.427	252	276365	7.621	ng	98
92) Benzo(g,h,i)perylene	26.480	276	209457	5.518	ng	98

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

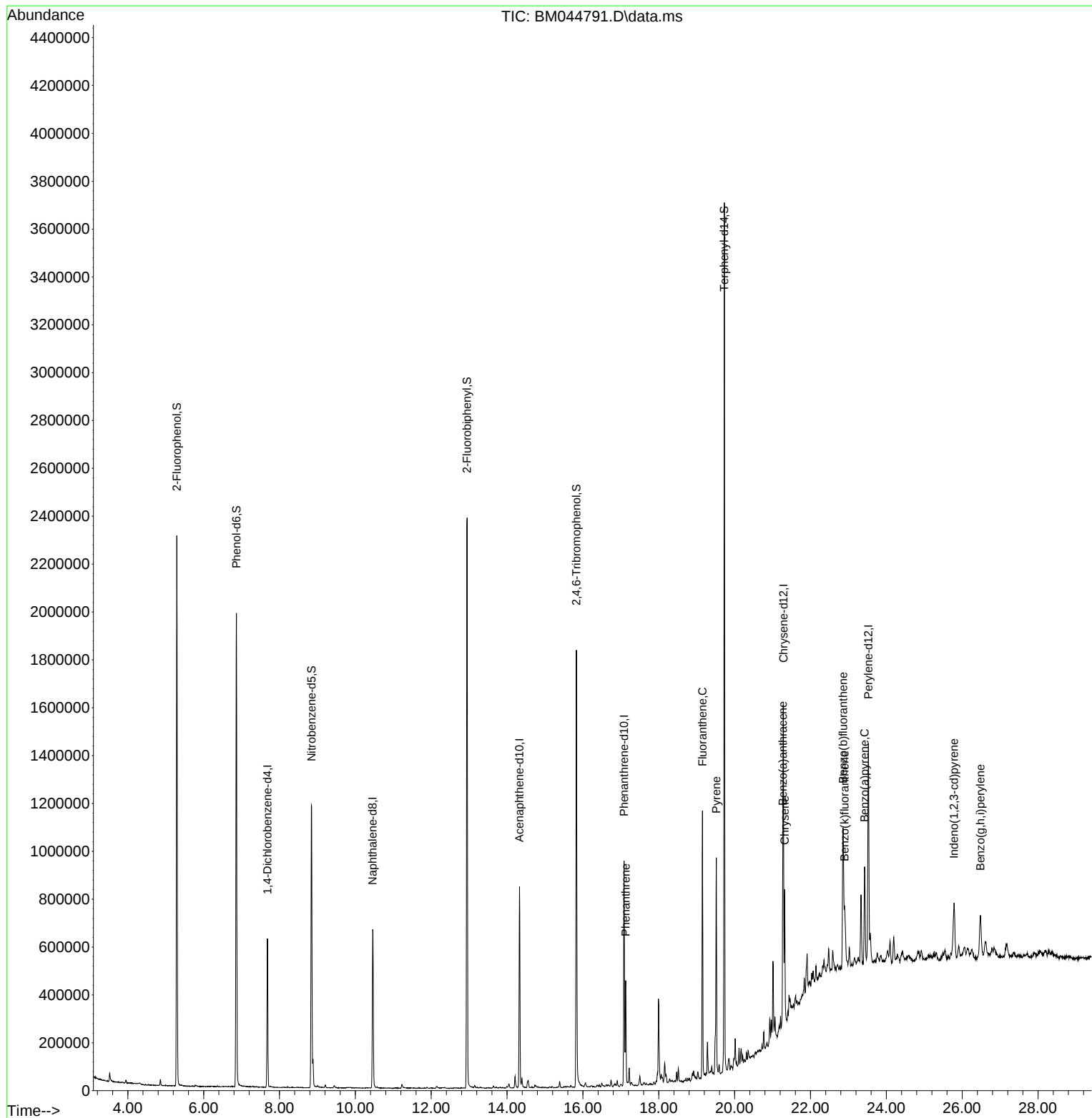
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032724\
Data File : BM044791.D
Acq On : 27 Mar 2024 22:22
Operator : MA/JU
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ALS Vial : 16 Sample Multiplier: 1

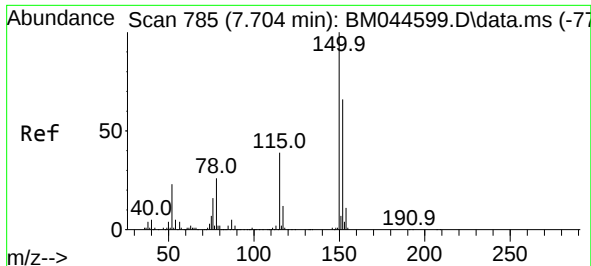
Instrument :
BNA_M
ClientSampleId :
VNJ-209

Quant Time: Mar 28 01:02:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
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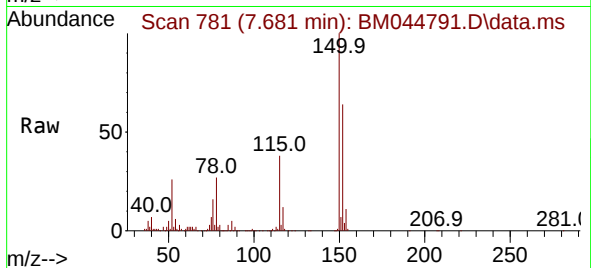
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.681 min Scan# 71
Delta R.T. -0.023 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

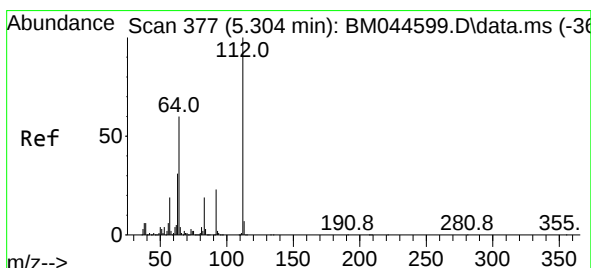
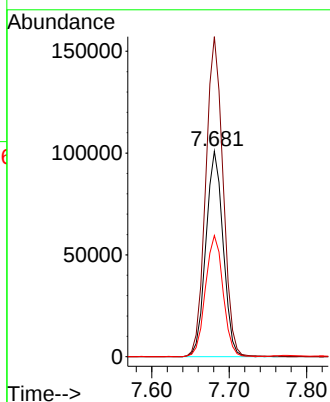
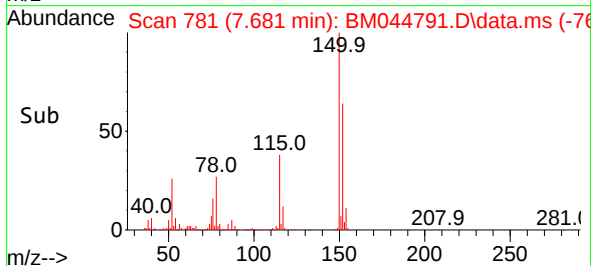
Instrument :
BNA_M
ClientSampleId :
VNJ-209



Tgt Ion:152 Resp: 155923
Ion Ratio Lower Upper
152 100
150 155.7 121.9 182.9
115 58.9 47.1 70.7

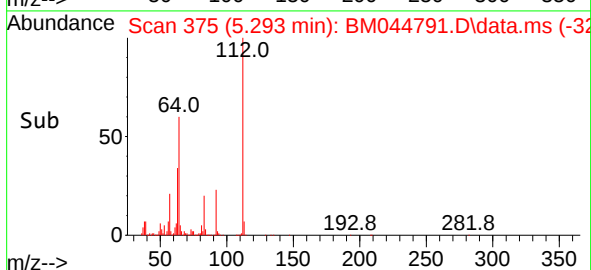
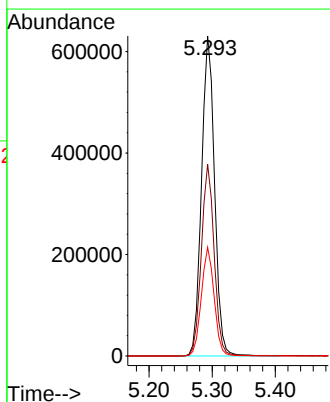
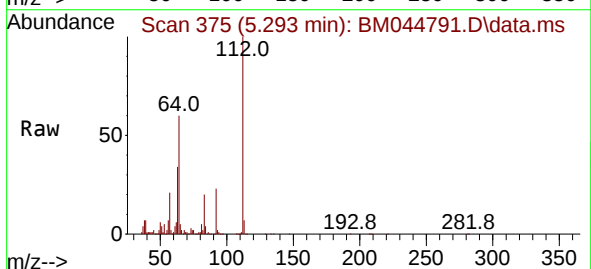
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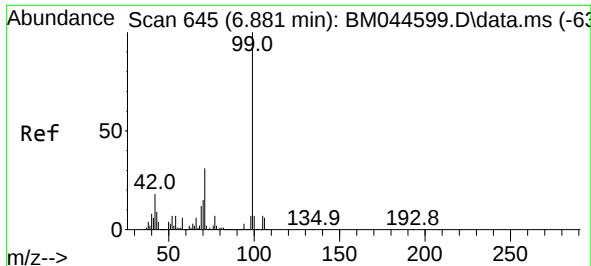
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#5
2-Fluorophenol
Concen: 83.262 ng
RT: 5.293 min Scan# 375
Delta R.T. -0.012 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

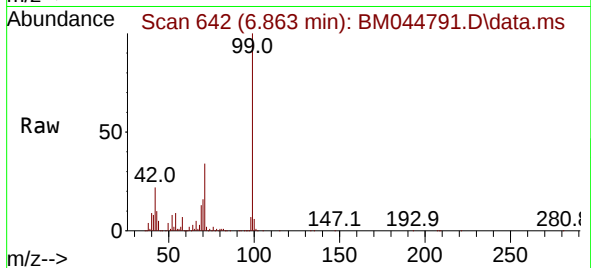
Tgt Ion:112 Resp: 904208
Ion Ratio Lower Upper
112 100
64 59.9 47.9 71.9
63 34.0 25.0 37.4





#7
Phenol-d6
Concen: 77.521 ng
RT: 6.863 min Scan# 64
Delta R.T. -0.018 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

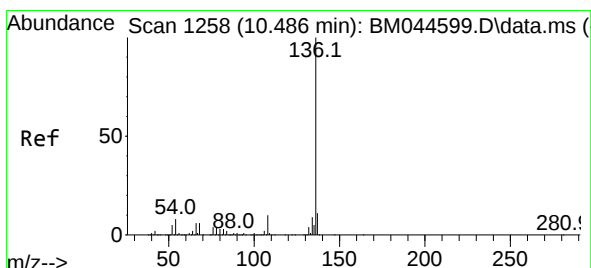
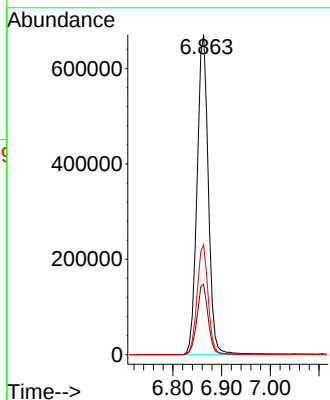
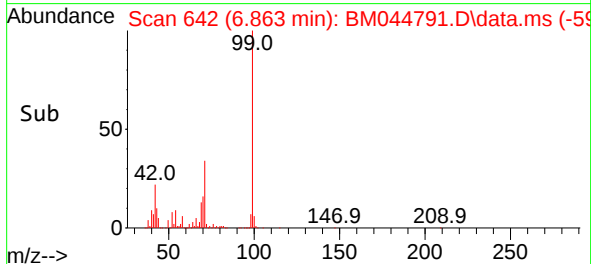
Instrument :
BNA_M
ClientSampleId :
VNJ-209



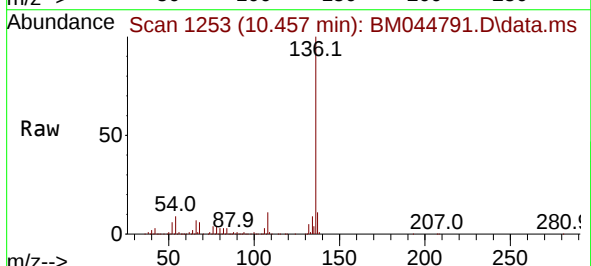
Tgt Ion: 99 Resp: 108306
Ion Ratio Lower Upper
99 100
42 21.9 14.3 21.5
71 34.4 24.5 36.7

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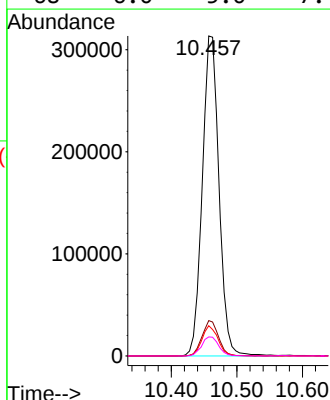
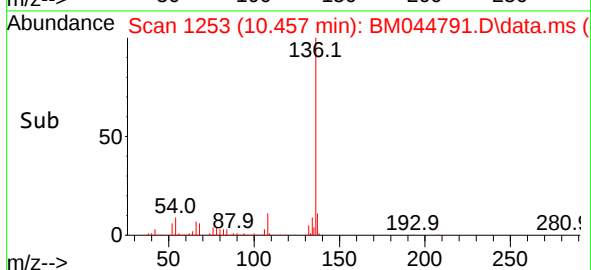
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.457 min Scan# 1253
Delta R.T. -0.029 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22



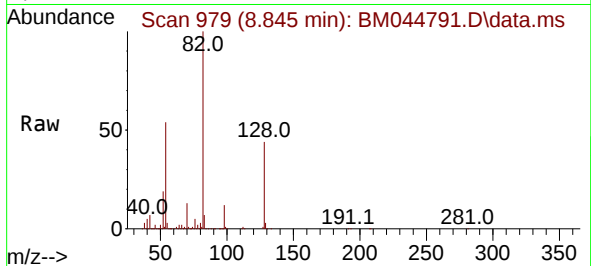
Tgt Ion:136 Resp: 556850
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.4 6.6 10.0
68 6.0 5.0 7.4





#23
Nitrobenzene-d5
Concen: 59.227 ng
RT: 8.845 min Scan# 911
Delta R.T. -0.017 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

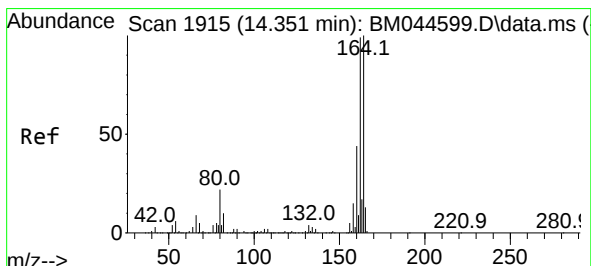
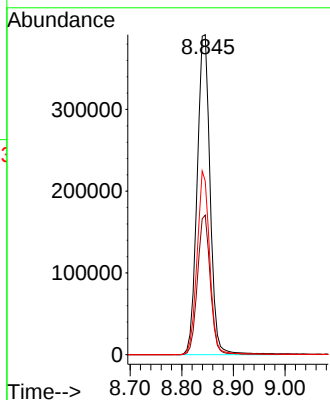
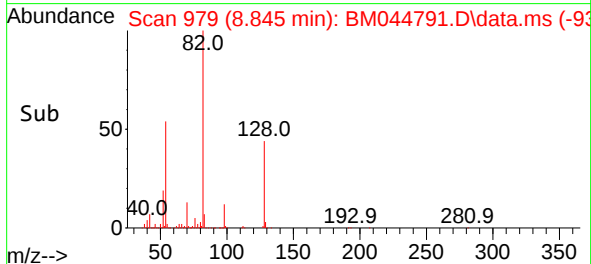
Instrument :
BNA_M
ClientSampleId :
VNJ-209



Tgt Ion: 82 Resp: 684588
Ion Ratio Lower Upper
82 100
128 43.6 34.2 51.4
54 54.2 41.3 61.9

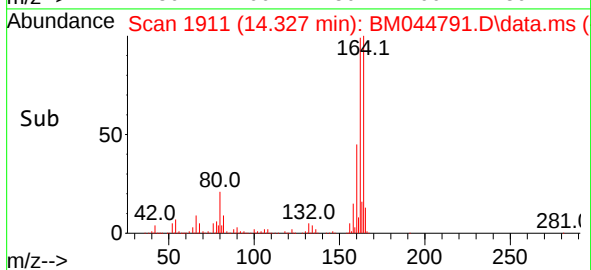
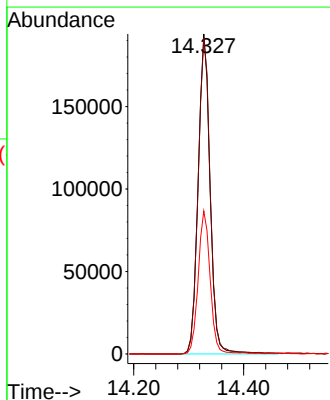
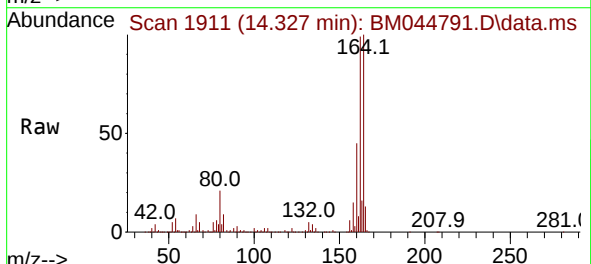
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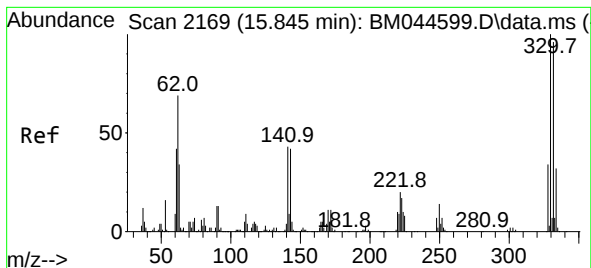
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.327 min Scan# 1911
Delta R.T. -0.023 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

Tgt Ion:164 Resp: 292701
Ion Ratio Lower Upper
164 100
162 98.8 79.3 118.9
160 44.7 35.2 52.8





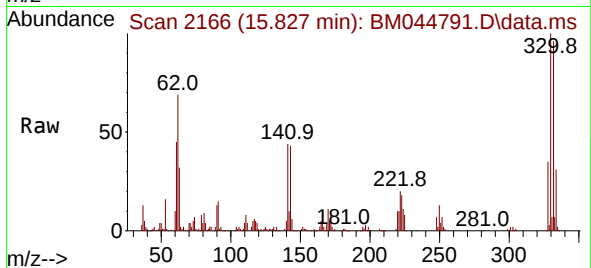
#42
2,4,6-Tribromophenol
Concen: 92.327 ng
RT: 15.827 min Scan# 2166
Delta R.T. -0.017 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

Instrument :

BNA_M

ClientSampleId :

VNJ-209

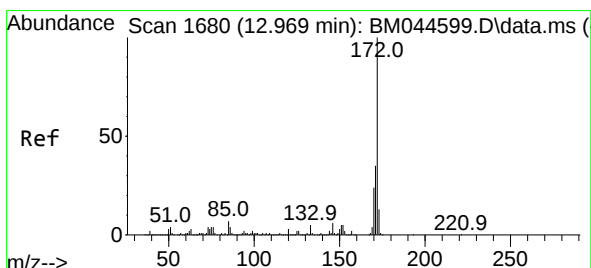
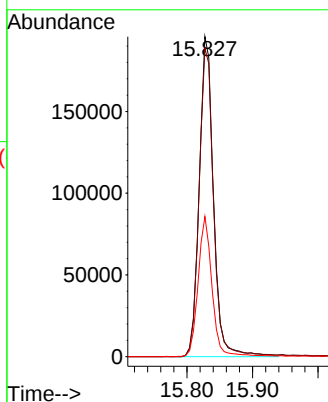
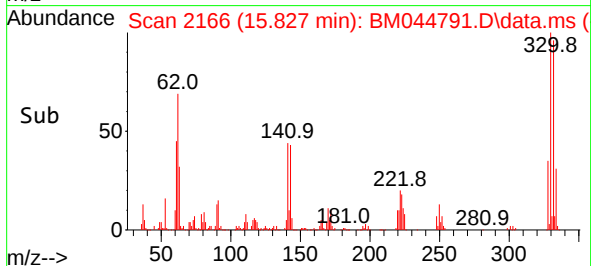


Tgt Ion:330 Resp: 298068
Ion Ratio Lower Upper
330 100
332 98.0 77.8 116.8
141 42.9 33.4 50.0

Manual Integrations

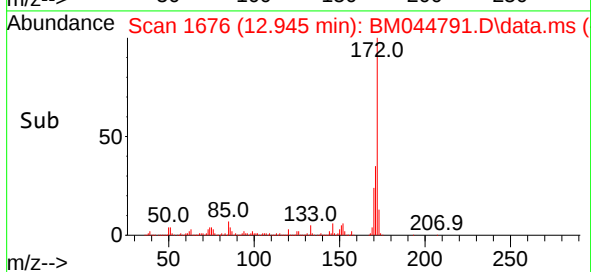
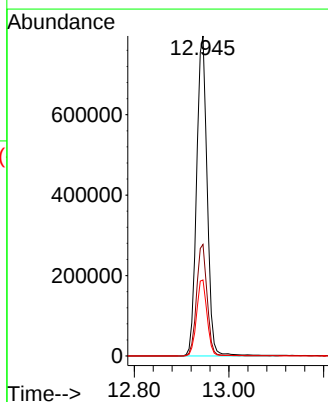
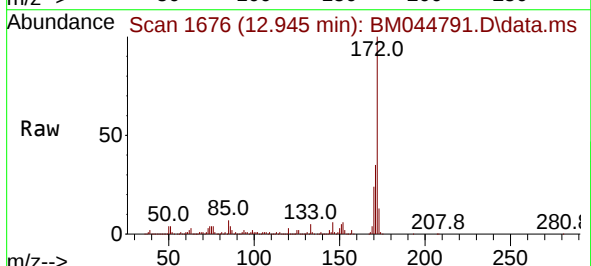
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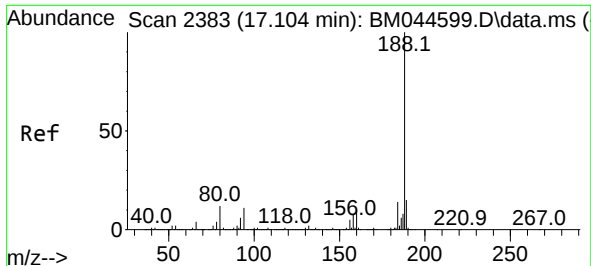
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#45
2-Fluorobiphenyl
Concen: 58.202 ng
RT: 12.945 min Scan# 1676
Delta R.T. -0.023 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

Tgt Ion:172 Resp: 1236964
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 23.8 19.0 28.6





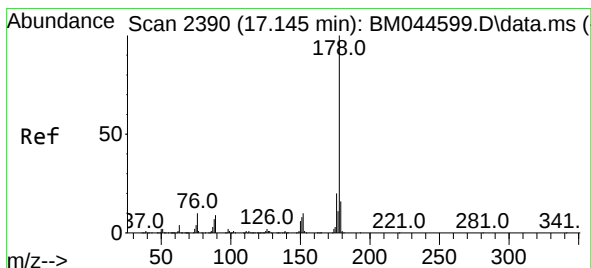
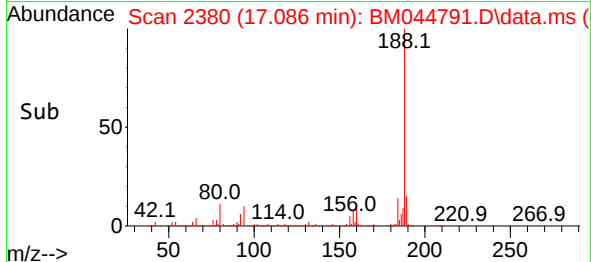
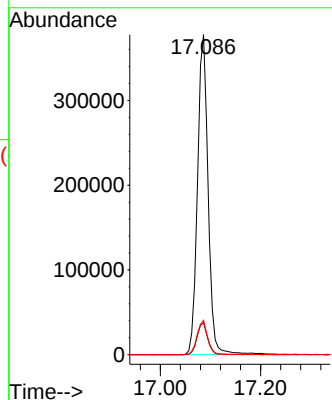
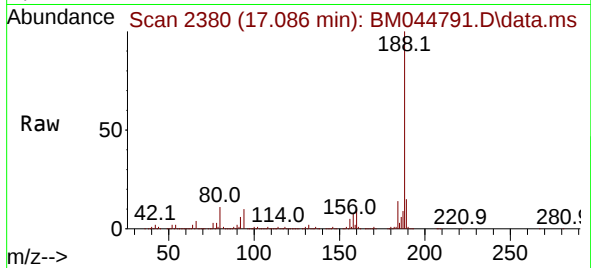
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 21
Delta R.T. -0.017 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

Instrument :
BNA_M
ClientSampleId :
VNJ-209

Tgt Ion:188 Resp: 55456
Ion Ratio Lower Upper
188 100
94 9.9 8.4 12.6
80 10.7 9.4 14.0

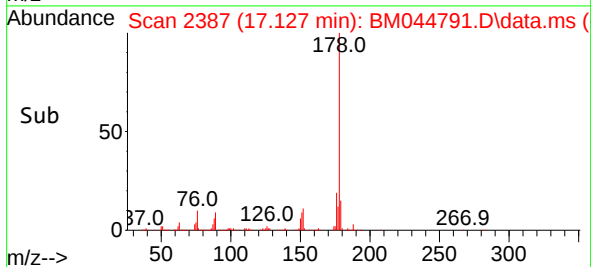
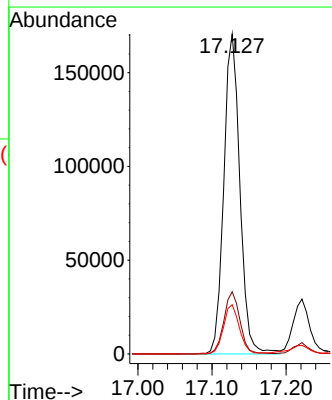
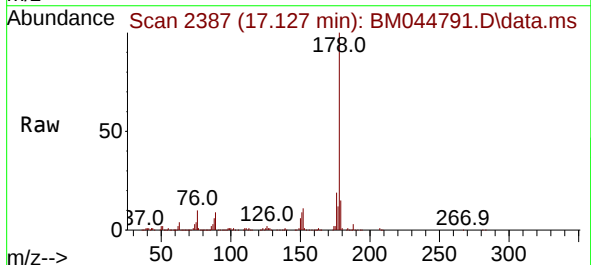
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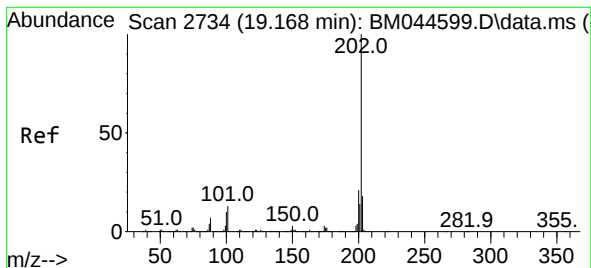
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#71
Phenanthrene
Concen: 8.382 ng
RT: 17.127 min Scan# 2387
Delta R.T. -0.017 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

Tgt Ion:178 Resp: 256880
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.4 12.4 18.6





#75

Fluoranthene

Concen: 17.969 ng

RT: 19.151 min Scan# 21

Delta R.T. -0.017 min

Lab File: BM044791.D

Acq: 27 Mar 2024 22:22

Instrument :

BNA_M

ClientSampleId :

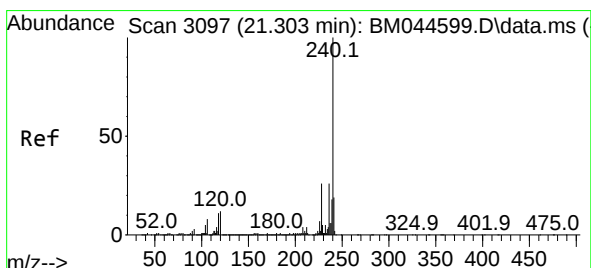
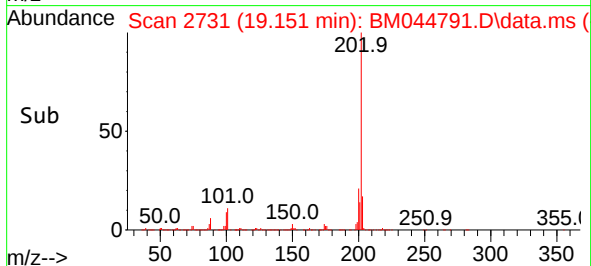
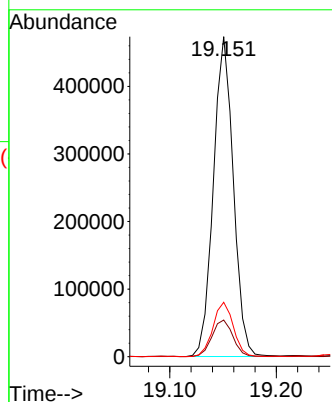
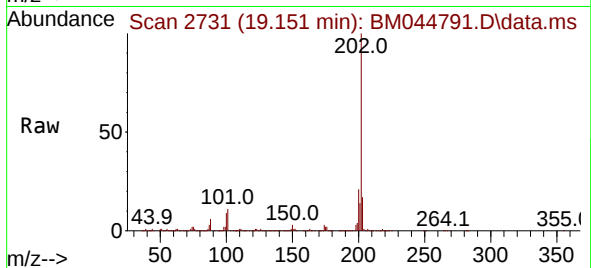
VNJ-209

Tgt Ion:	202	Resp:	615570
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	33.3
203	17.0	0.0	37.7

Manual Integrations

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Supervised By :mohammad ahmed 03/29/2024



#76

Chrysene-d12

Concen: 20.000 ng

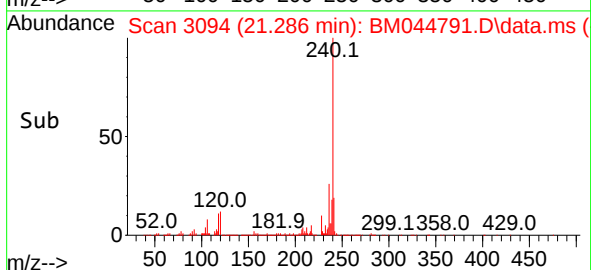
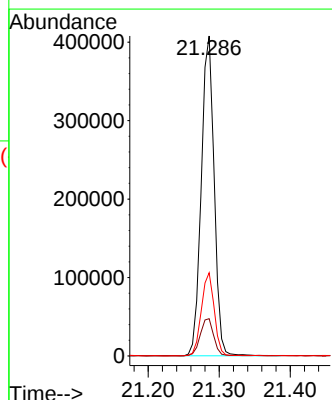
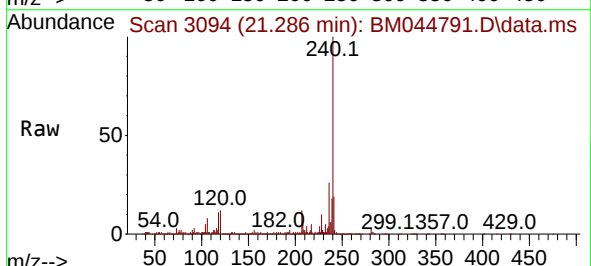
RT: 21.286 min Scan# 3094

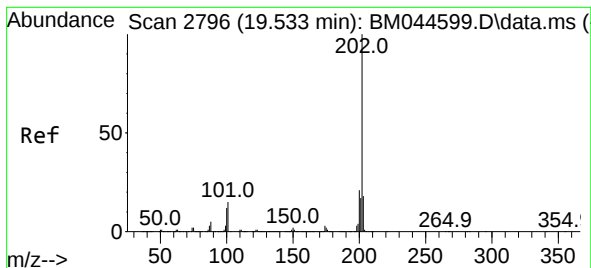
Delta R.T. -0.017 min

Lab File: BM044791.D

Acq: 27 Mar 2024 22:22

Tgt Ion:	240	Resp:	515540
Ion Ratio	Lower	Upper	
240	100		
120	11.7	9.7	14.5
236	26.0	21.0	31.4





#78

Pyrene

Concen: 14.021 ng

RT: 19.515 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM044791.D

Acq: 27 Mar 2024 22:22

Instrument :

BNA_M

ClientSampleId :

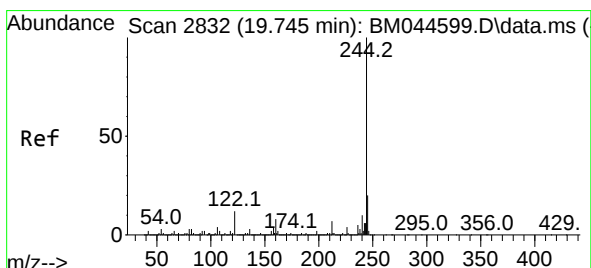
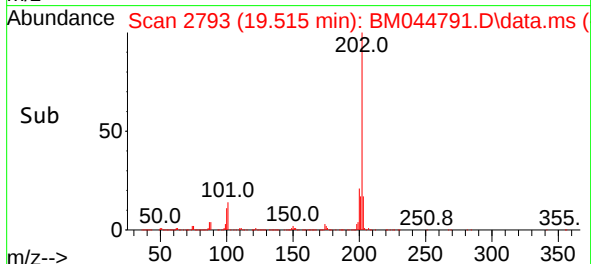
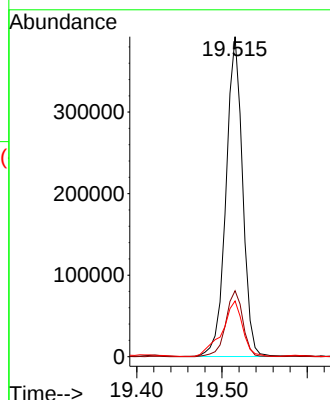
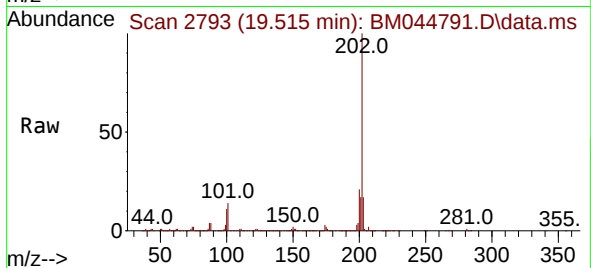
VNJ-209

Tgt Ion:202 Resp: 529799
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.0 25.4
 203 17.4 14.1 21.1

Manual Integrations

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#79

Terphenyl-d14

Concen: 53.107 ng

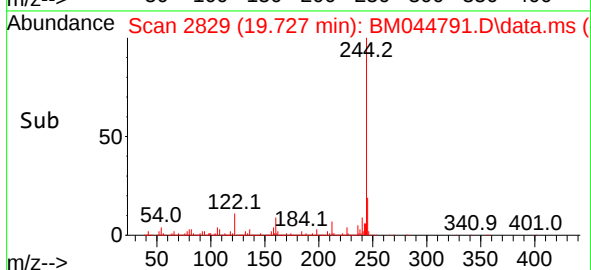
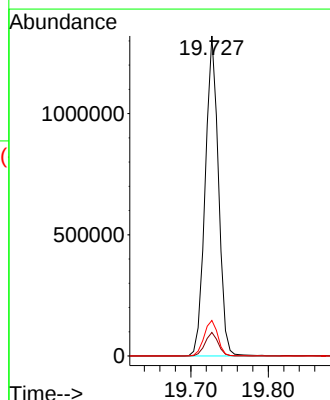
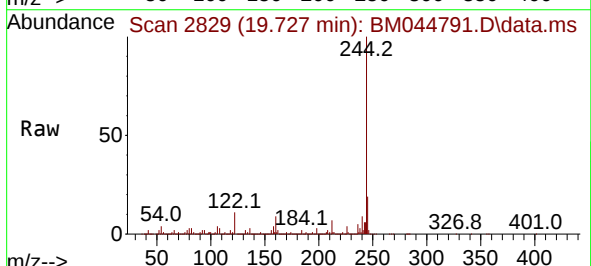
RT: 19.727 min Scan# 2829

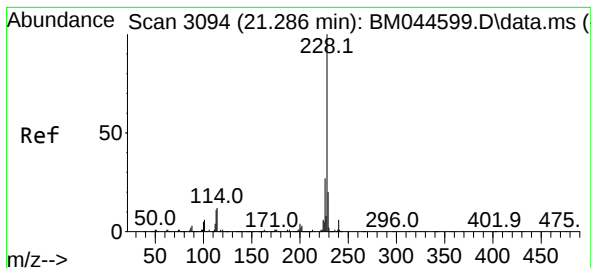
Delta R.T. -0.018 min

Lab File: BM044791.D

Acq: 27 Mar 2024 22:22

Tgt Ion:244 Resp: 1565086
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.5 8.3
 122 11.1 9.7 14.5





#81

Benzo(a)anthracene

Concen: 7.700 ng

RT: 21.268 min Scan# 30

Delta R.T. -0.017 min

Lab File: BM044791.D

Acq: 27 Mar 2024 22:22

Instrument :

BNA_M

ClientSampleId :

VNJ-209

Tgt Ion:228 Resp: 276200

Ion Ratio Lower Upper

228 100

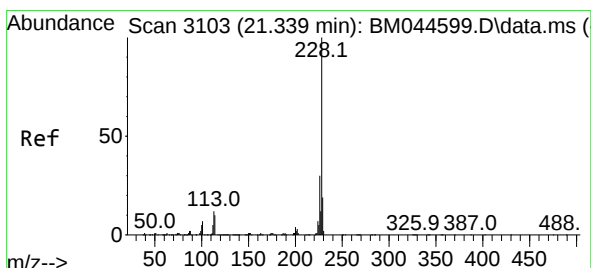
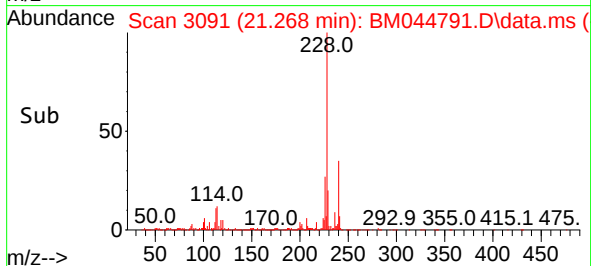
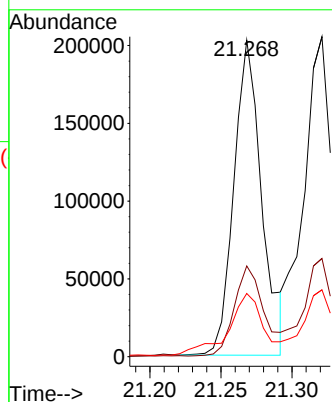
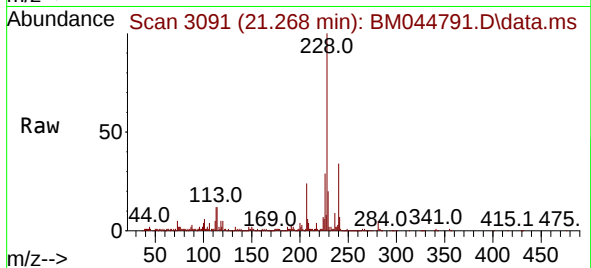
226 28.7 21.9 32.9

229 20.0 15.9 23.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#83

Chrysene

Concen: 8.416 ng

RT: 21.321 min Scan# 3100

Delta R.T. -0.017 min

Lab File: BM044791.D

Acq: 27 Mar 2024 22:22

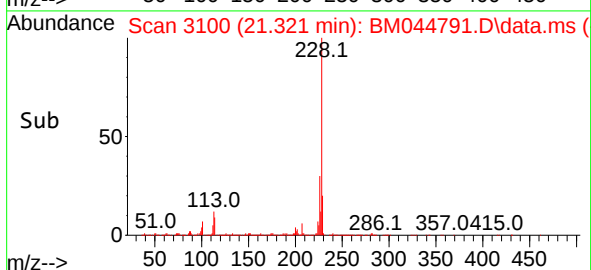
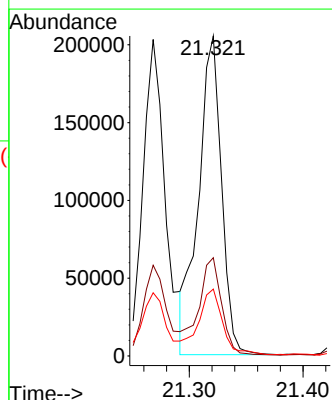
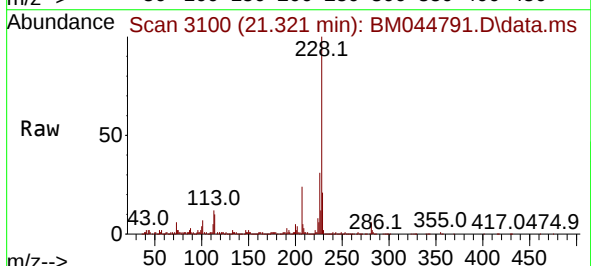
Tgt Ion:228 Resp: 288466

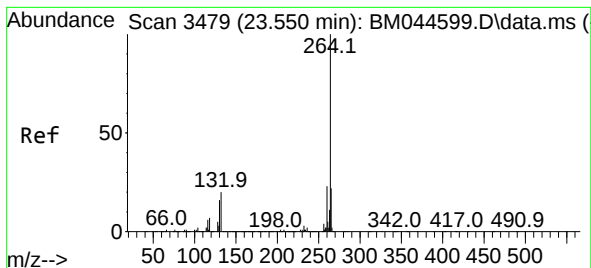
Ion Ratio Lower Upper

228 100

226 30.7 23.6 35.4

229 20.9 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.527 min Scan# 34

Delta R.T. -0.023 min

Lab File: BM044791.D

Acq: 27 Mar 2024 22:22

Instrument :

BNA_M

ClientSampleId :

VNJ-209

Tgt Ion:264 Resp: 63266

Ion Ratio Lower Upper

264 100

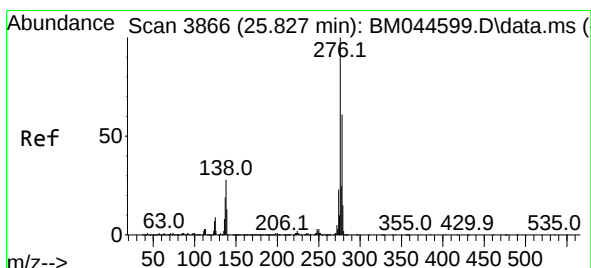
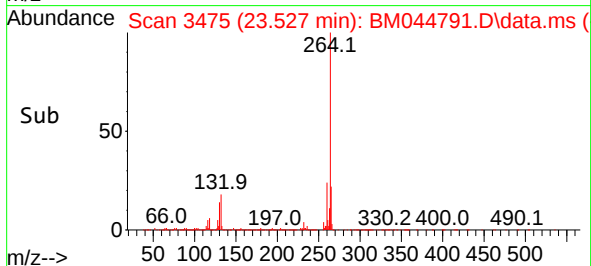
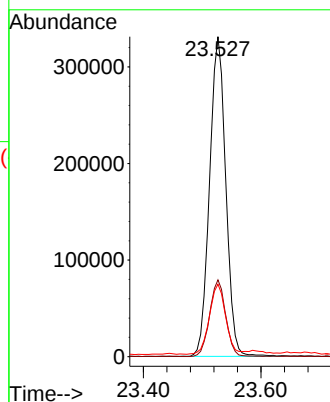
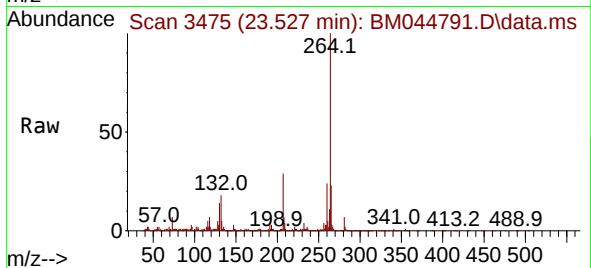
260 24.0 18.3 27.5

265 22.7 17.5 26.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.595 ng

RT: 25.785 min Scan# 3859

Delta R.T. -0.041 min

Lab File: BM044791.D

Acq: 27 Mar 2024 22:22

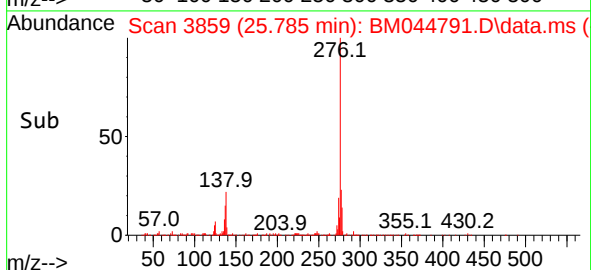
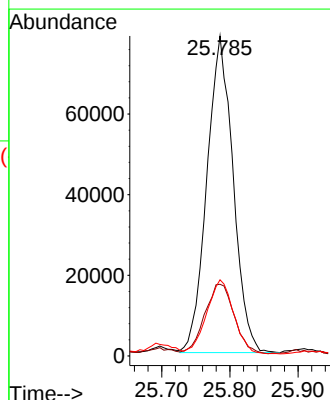
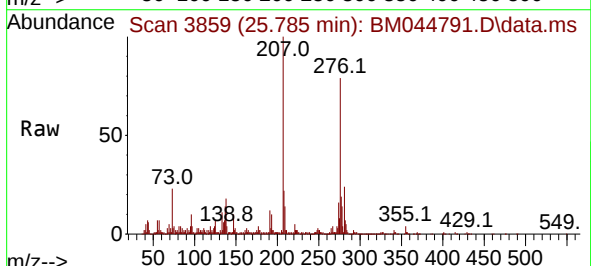
Tgt Ion:276 Resp: 210170

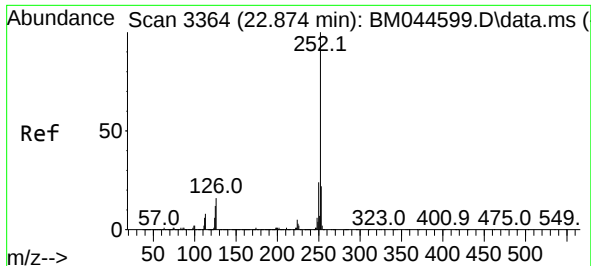
Ion Ratio Lower Upper

276 100

138 24.7 23.6 35.4

277 24.1 20.2 30.2





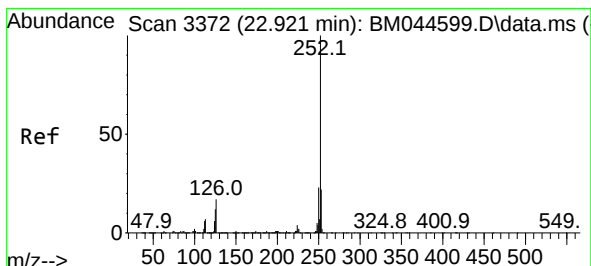
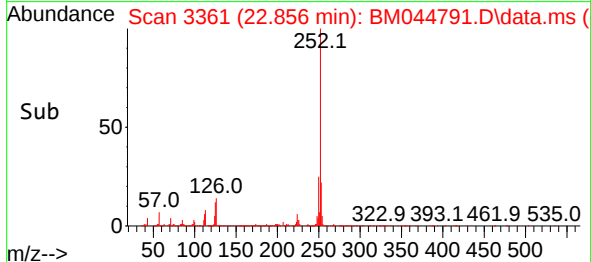
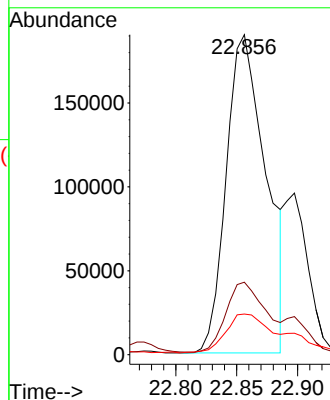
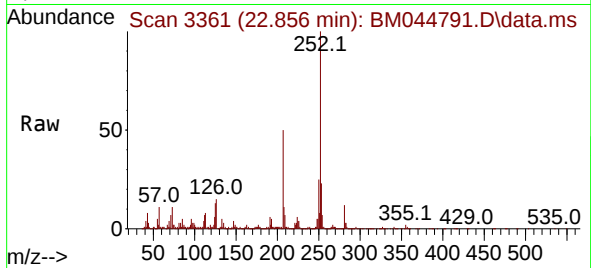
#88
Benzo(b)fluoranthene
Concen: 11.557 ng
RT: 22.856 min Scan# 3361
Delta R.T. -0.018 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

Instrument :
BNA_M
ClientSampleId :
VNJ-209

Tgt Ion:252 Resp: 42968
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 12.7 9.6 14.4

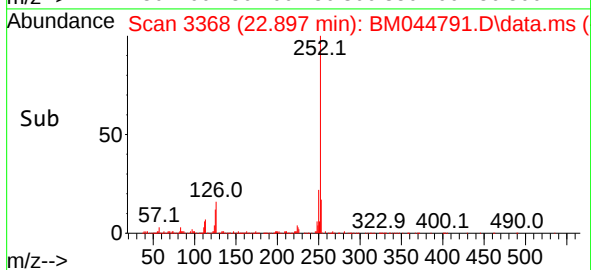
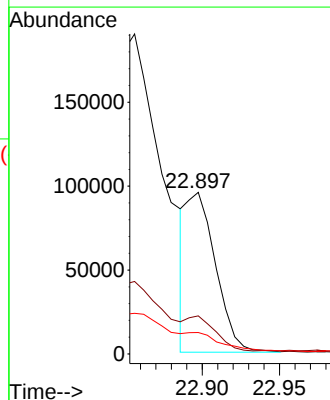
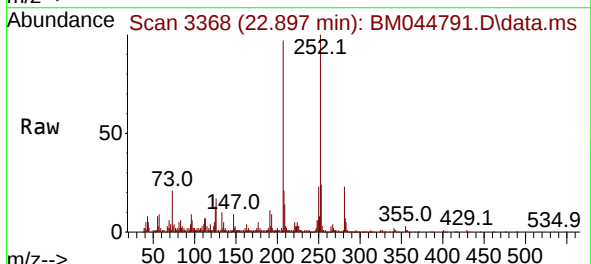
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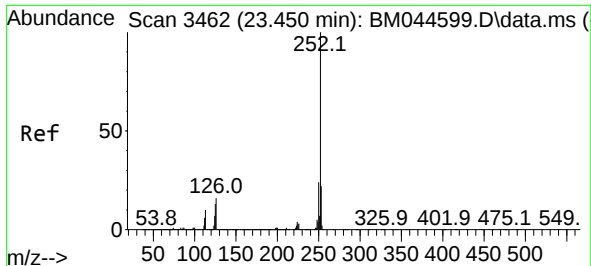
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#89
Benzo(k)fluoranthene
Concen: 3.273 ng m
RT: 22.897 min Scan# 3368
Delta R.T. -0.023 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

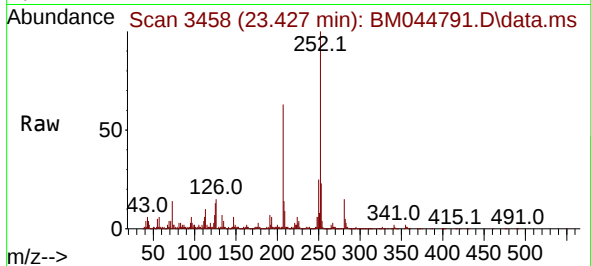
Tgt Ion:252 Resp: 125107
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 13.2 9.4 14.0





#90
Benzo(a)pyrene
Concen: 7.621 ng
RT: 23.427 min Scan# 3462
Delta R.T. -0.023 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

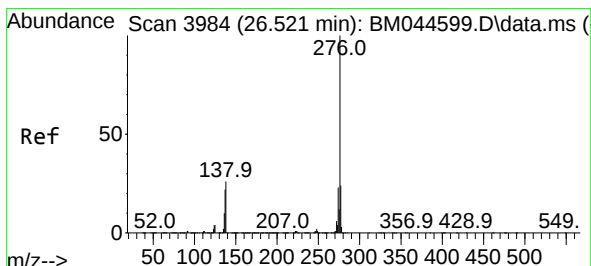
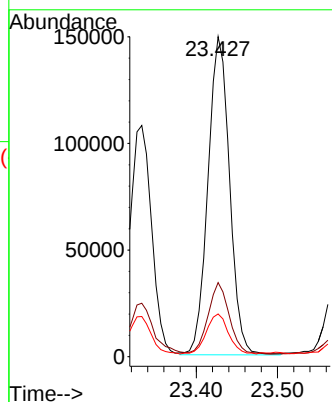
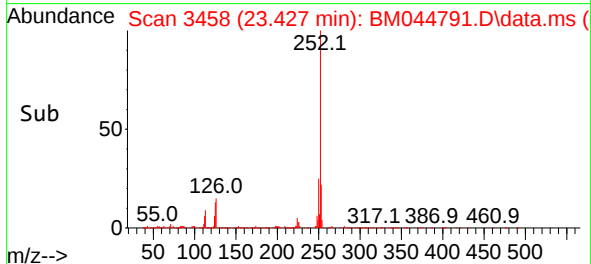
Instrument :
BNA_M
ClientSampleId :
VNJ-209



Tgt Ion:252 Resp: 27636
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 13.4 10.5 15.7

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#92
Benzo(g,h,i)perylene
Concen: 5.518 ng
RT: 26.480 min Scan# 3977
Delta R.T. -0.041 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

Tgt Ion:276 Resp: 209457
Ion Ratio Lower Upper
276 100
277 22.8 19.3 28.9
138 25.2 20.7 31.1

