

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050082.D
 Acq On : 02 May 2025 12:41
 Operator : RC/JU
 Sample : Q1914-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-8

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/05/2025
 Supervised By :Jagrut Upadhyay 05/05/2025

Quant Time: May 02 13:41:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.751	152	344484	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	630857	20.000	ng	# 0.00
39) Acenaphthene-d10	14.416	164	706415	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1174129	20.000	ng	# 0.00
76) Chrysene-d12	21.386	240	1218527	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1375318	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	2322463	118.055	ng	-0.01
7) Phenol-d6	6.940	99	2505773	101.341	ng	-0.01
23) Nitrobenzene-d5	8.916	82	1771743	138.391	ng	-0.01
42) 2,4,6-Tribromophenol	15.910	330	1032011	98.802	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	3262574	54.636	ng	0.00
79) Terphenyl-d14	19.780	244	4567238	55.463	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.604	128	1770044	55.403	ng	# 86
37) 2-Methylnaphthalene	12.233	142	3451439	161.134	ng	99
38) 1-Methylnaphthalene	12.445	142	2160593m	95.315	ng	
46) 1,1'-Biphenyl	13.239	154	711656	13.552	ng	98
52) Acenaphthene	14.480	154	202098	5.325	ng	# 82
71) Phenanthrene	17.204	178	2636316	39.810	ng	97
72) Anthracene	17.292	178	411989m	6.148	ng	
74) Di-n-butylphthalate	18.115	149	459124	6.630	ng	# 88
75) Fluoranthene	19.221	202	4425756	56.924	ng	98
78) Pyrene	19.580	202	4298119	50.230	ng	99
81) Benzo(a)anthracene	21.368	228	2173300	25.900	ng	98
83) Chrysene	21.433	228	1857590	23.919	ng	98
84) Bis(2-ethylhexyl)phtha...	21.286	149	1283549	26.813	ng	98
87) Indeno(1,2,3-cd)pyrene	27.750	276	1189908	11.611	ng	96
88) Benzo(b)fluoranthene	23.433	252	2437742	27.255	ng	99
89) Benzo(k)fluoranthene	23.491	252	830931m	9.184	ng	
90) Benzo(a)pyrene	24.233	252	1789914	21.367	ng	98
91) Dibenzo(a,h)anthracene	27.785	278	316870	3.793	ng	95
92) Benzo(g,h,i)perylene	28.803	276	1082442	13.535	ng	99

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

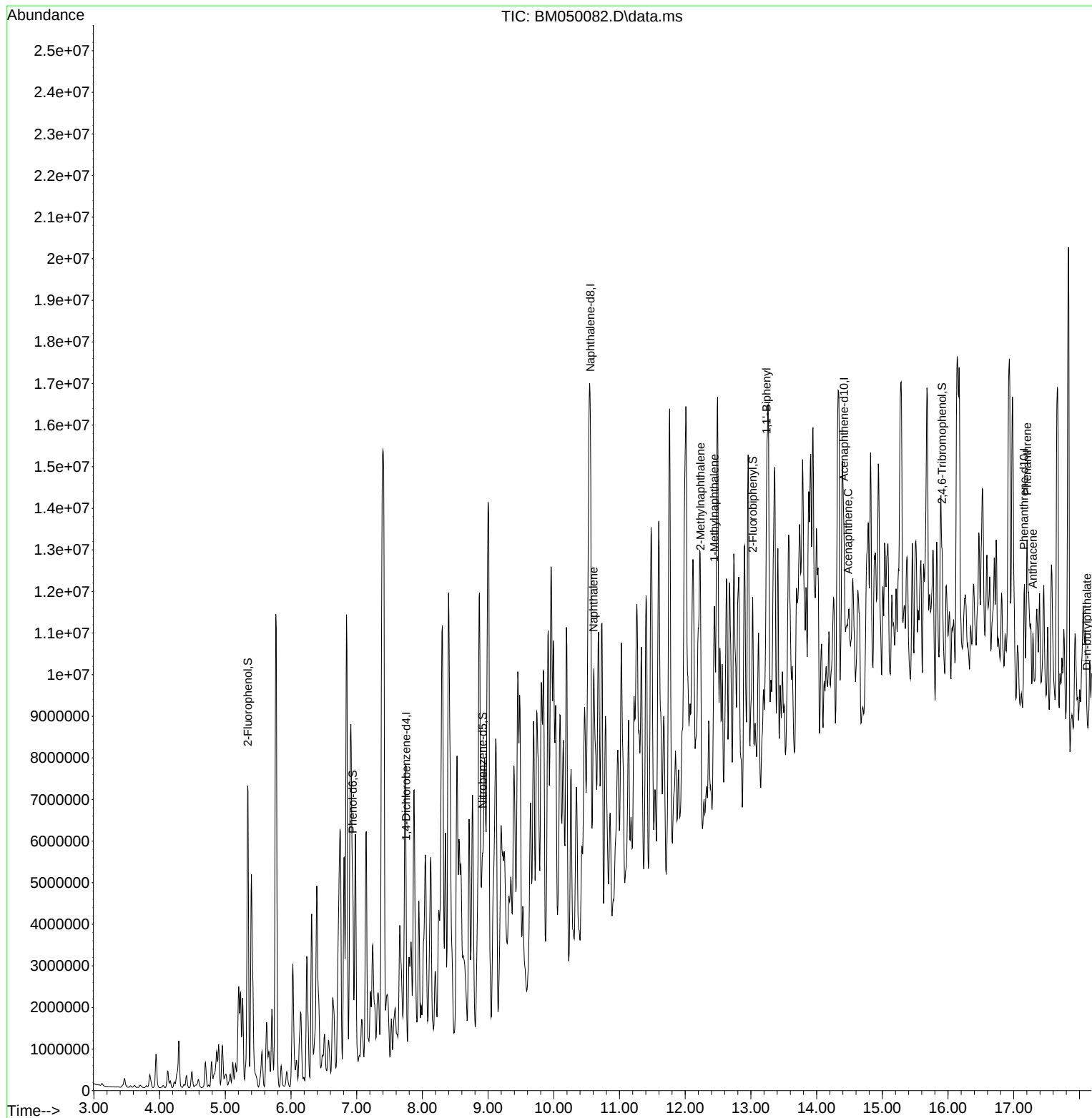
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050082.D
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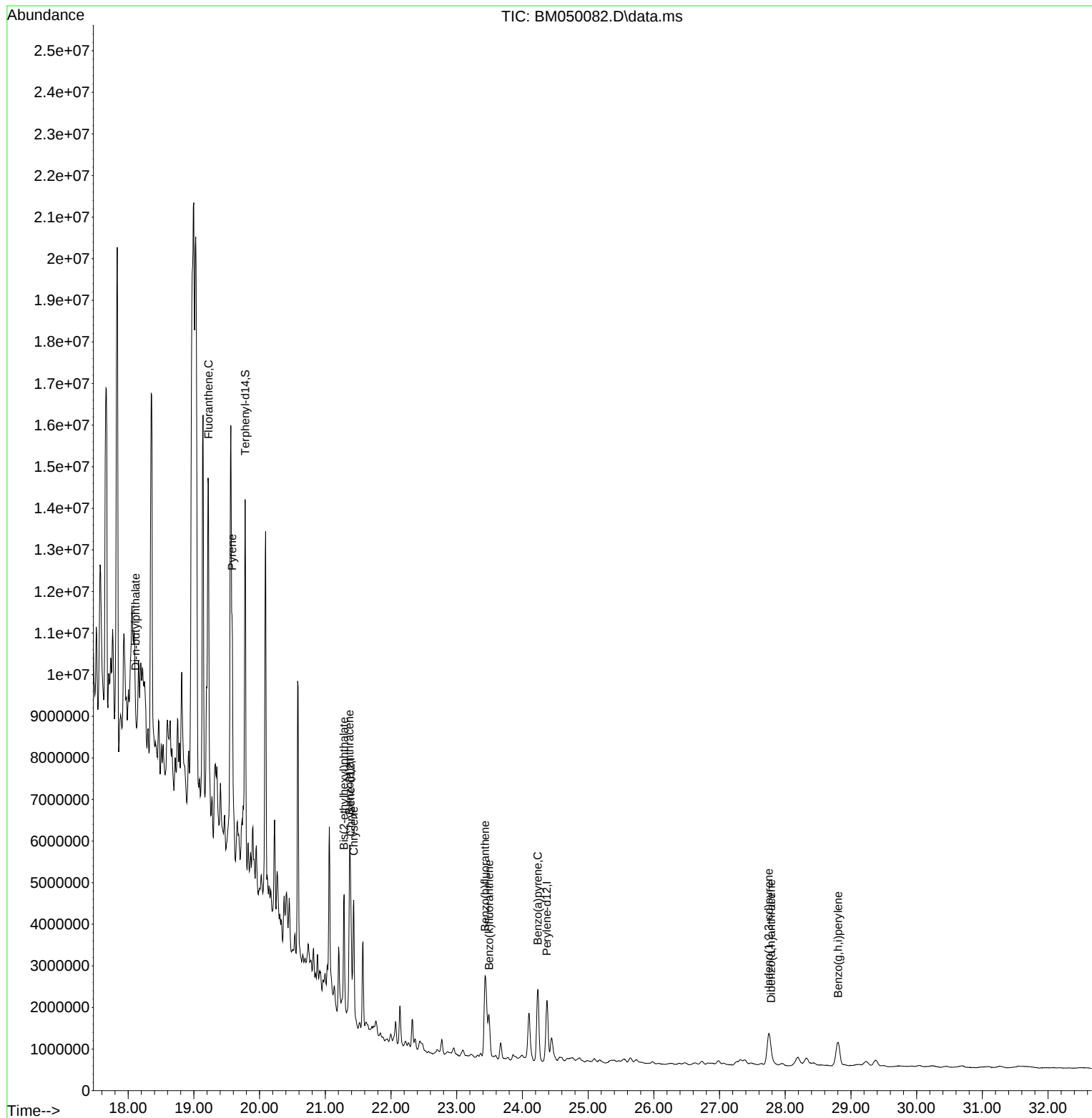
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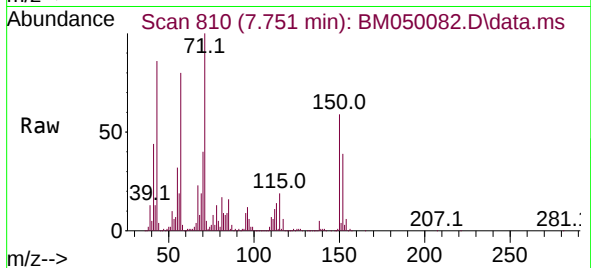
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.751 min Scan# 813
Delta R.T. -0.018 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

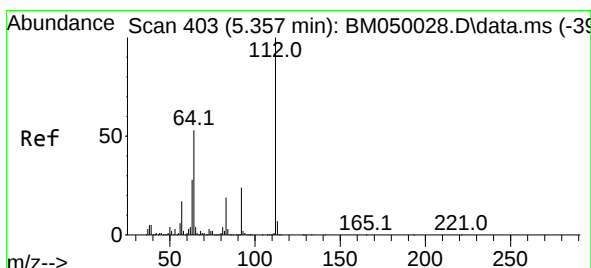
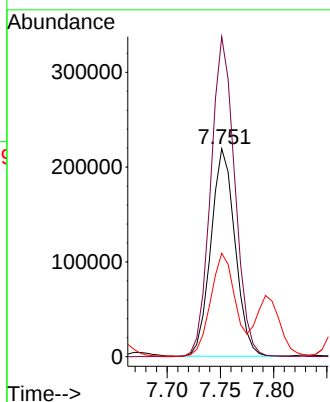
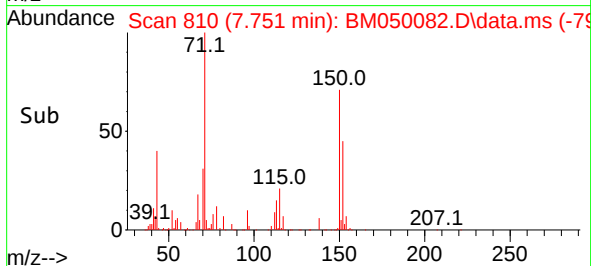
Instrument :
BNA_M
ClientSampleId :
SS-8



Tgt Ion:152 Resp: 344484
Ion Ratio Lower Upper
152 100
150 153.9 124.1 186.1
115 49.7 41.2 61.8

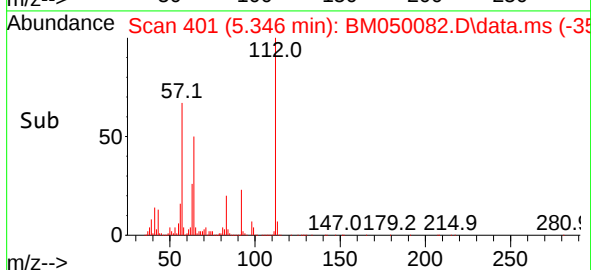
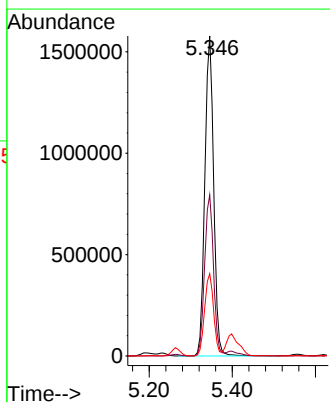
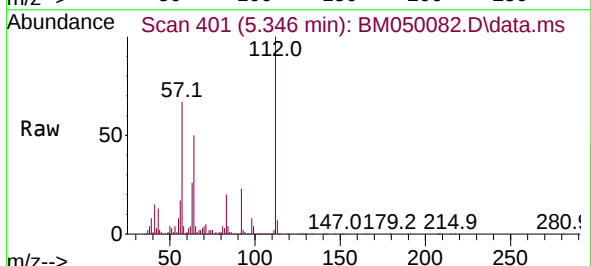
Manual Integrations
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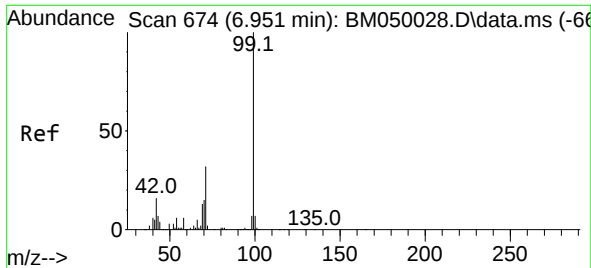
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#5
2-Fluorophenol
Concen: 118.055 ng
RT: 5.346 min Scan# 401
Delta R.T. -0.012 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

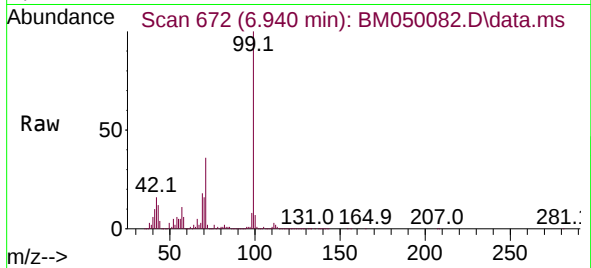
Tgt Ion:112 Resp: 2322463
Ion Ratio Lower Upper
112 100
64 50.4 42.6 64.0
63 25.7 22.2 33.4





#7
Phenol-d6
Concen: 101.341 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

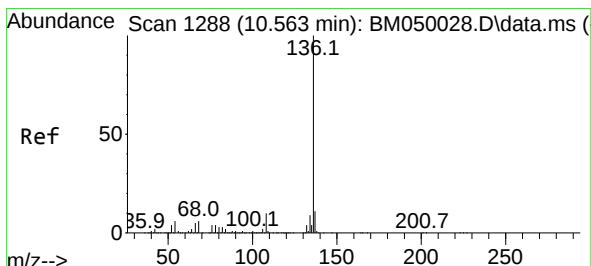
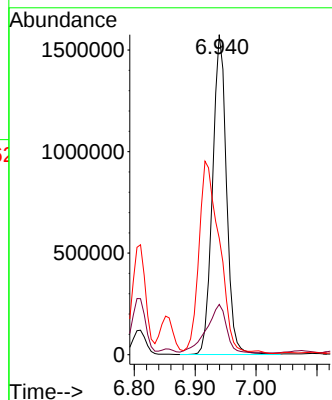
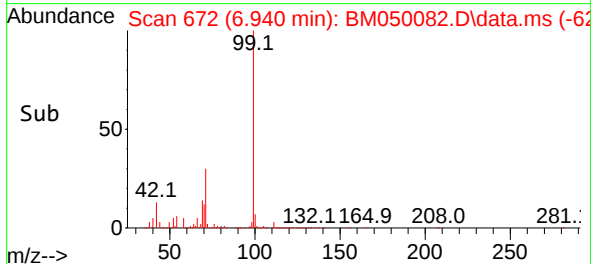
Instrument :
BNA_M
ClientSampleId :
SS-8



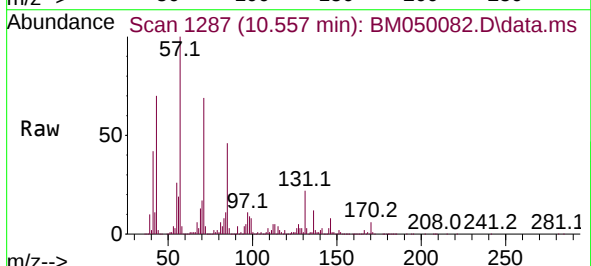
Tgt Ion: 99 Resp: 250577
Ion Ratio Lower Upper
99 100
42 15.7 13.0 19.4
71 36.4 25.6 38.4

Manual Integrations
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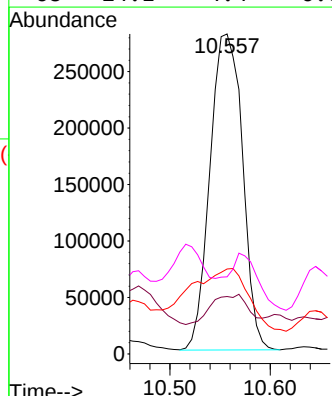
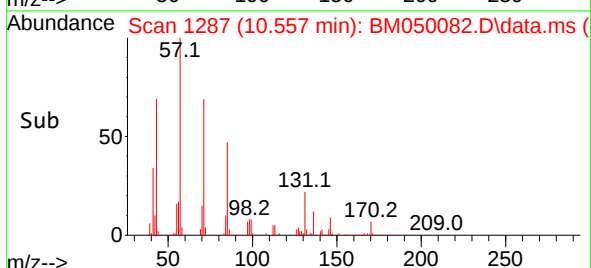
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

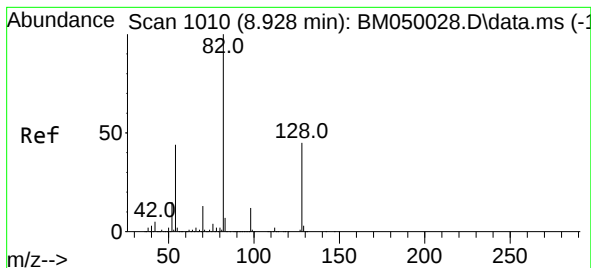


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41



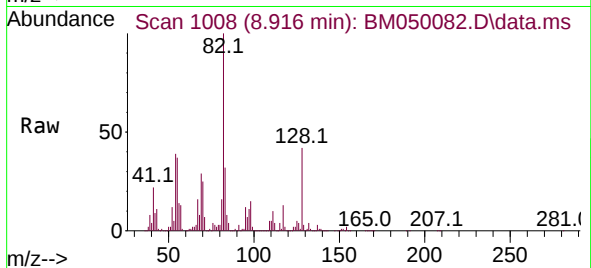
Tgt Ion:136 Resp: 630857
Ion Ratio Lower Upper
136 100
137 18.0 8.9 13.3#
54 26.6 5.1 7.7#
68 24.1 4.4 6.6#





#23
Nitrobenzene-d5
Concen: 138.391 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.012 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

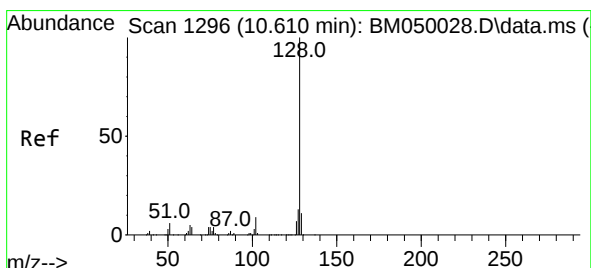
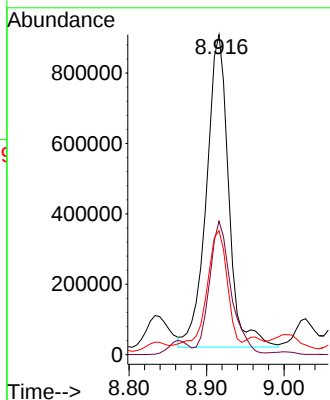
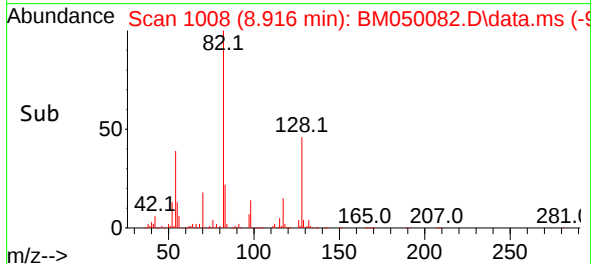
Instrument :
BNA_M
ClientSampleId :
SS-8



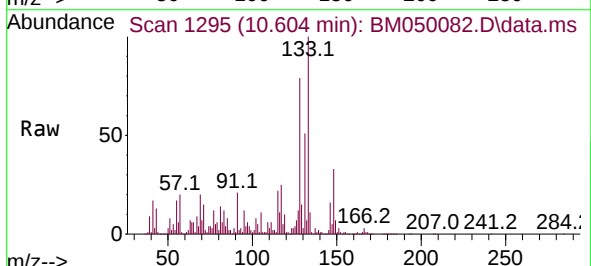
Tgt Ion: 82 Resp: 177174
Ion Ratio Lower Upper
82 100
128 41.7 35.7 53.5
54 38.7 35.4 53.2

Manual Integrations
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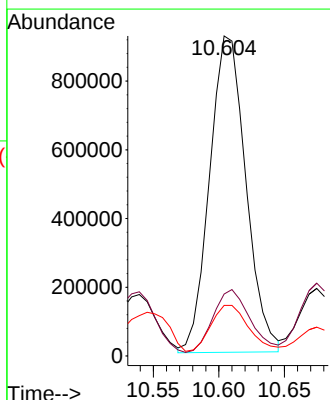
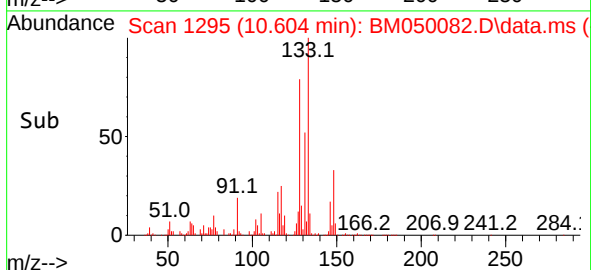
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Supervised By :Jagrut Upadhyay 05/05/2025

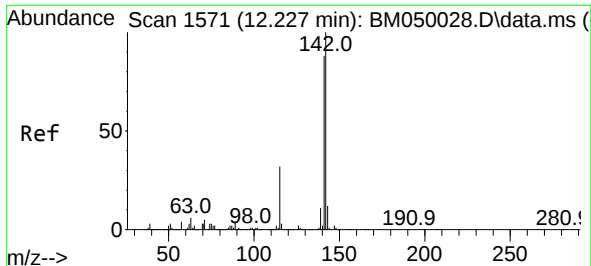


#31
Naphthalene
Concen: 55.403 ng
RT: 10.604 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41



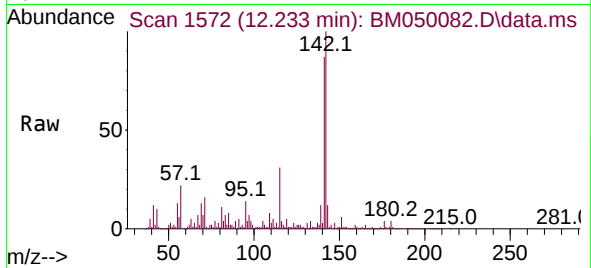
Tgt Ion:128 Resp: 1770044
Ion Ratio Lower Upper
128 100
129 19.3 8.8 13.2#
127 15.8 10.4 15.6#





#37
2-Methylnaphthalene
Concen: 161.134 ng
RT: 12.233 min Scan# 1571
Delta R.T. 0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

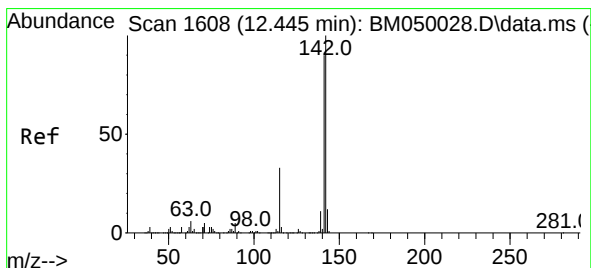
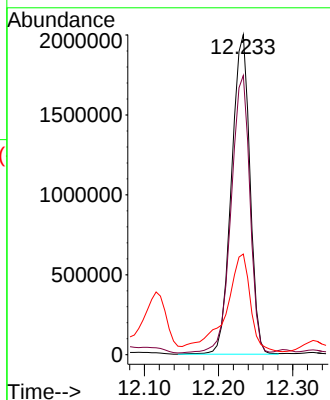
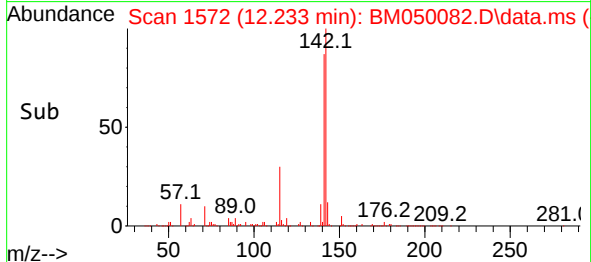
Instrument :
BNA_M
ClientSampleId :
SS-8



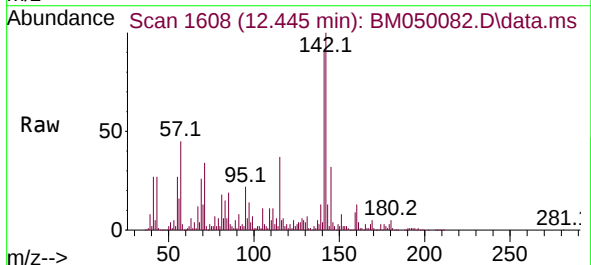
Tgt Ion:142 Resp: 3451439
Ion Ratio Lower Upper
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141 87.3 70.4 105.6
115 31.4 25.4 38.2

Manual Integrations
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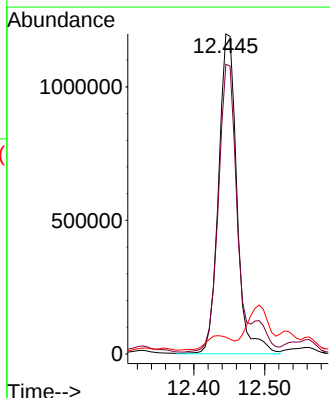
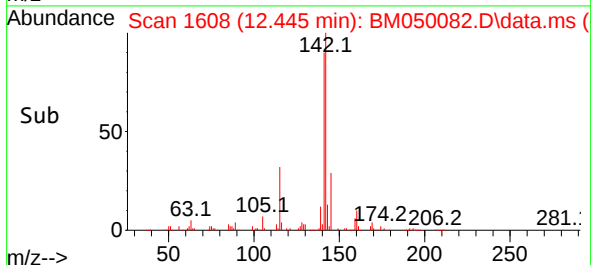
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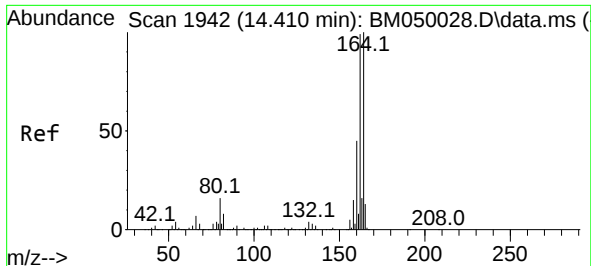


#38
1-Methylnaphthalene
Concen: 95.315 ng m
RT: 12.445 min Scan# 1608
Delta R.T. -0.000 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41



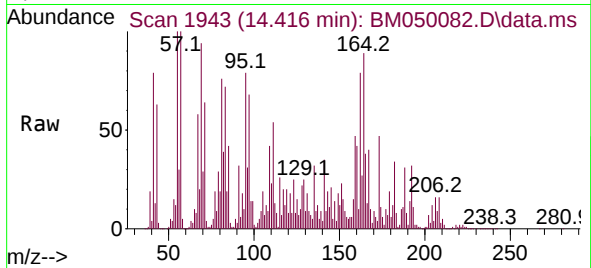
Tgt Ion:142 Resp: 2160593
Ion Ratio Lower Upper
142 100
141 90.6 72.1 108.1
116 5.3 2.7 4.1#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. 0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

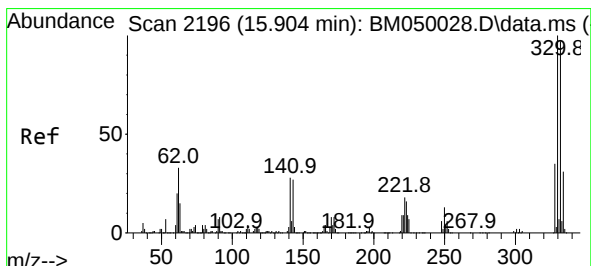
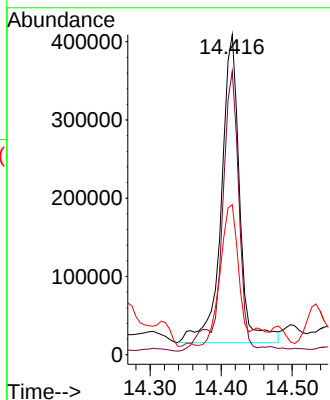
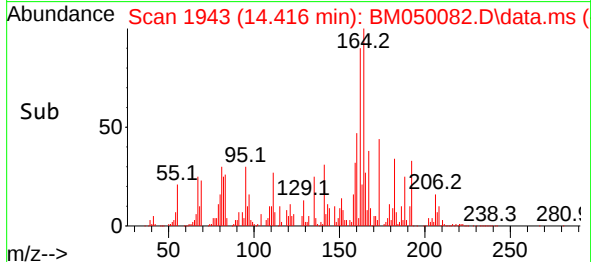
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ClientSampleId :
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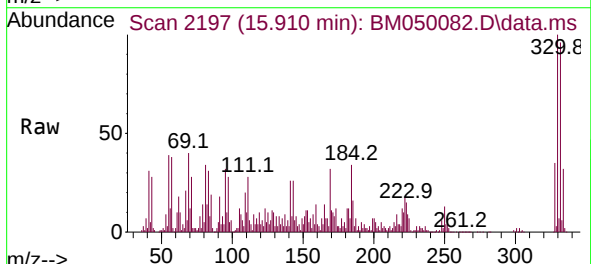
Tgt Ion:164 Resp: 706415
Ion Ratio Lower Upper
164 100
162 88.6 79.4 119.0
160 46.9 36.2 54.4

Manual Integrations
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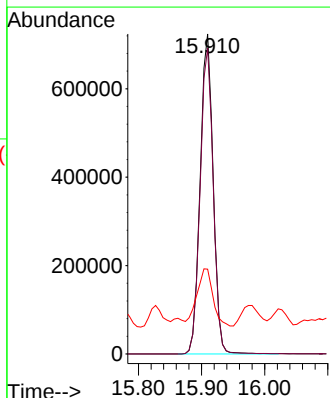
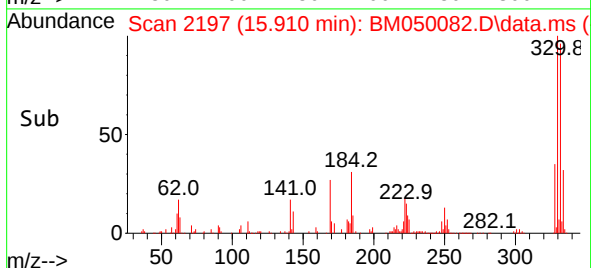
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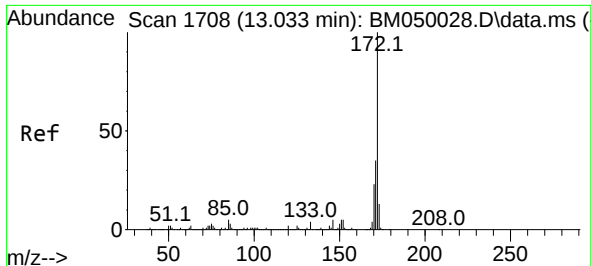


#42
2,4,6-Tribromophenol
Concen: 98.802 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41



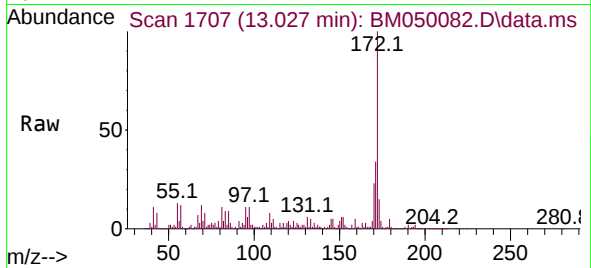
Tgt Ion:330 Resp: 1032011
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 21.9 22.5 33.7#





#45
2-Fluorobiphenyl
Concen: 54.636 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

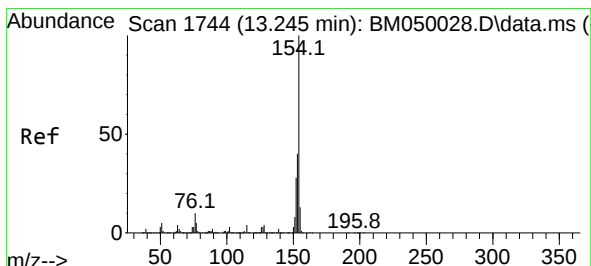
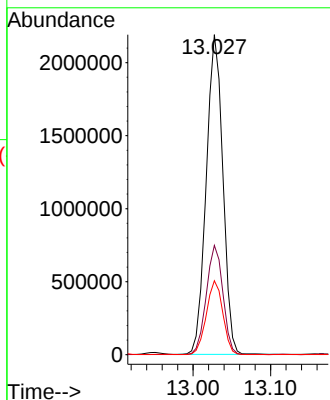
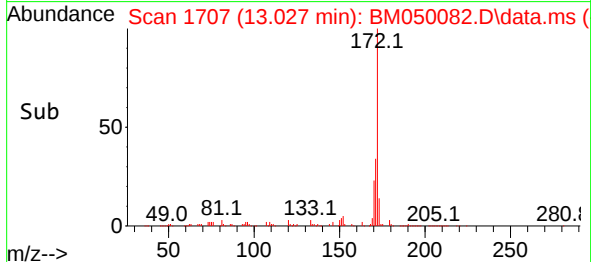
Instrument :
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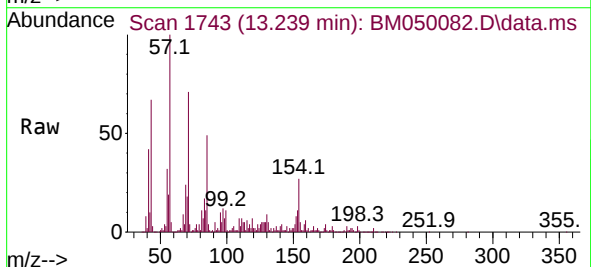
Tgt Ion:172 Resp: 3262574
Ion Ratio Lower Upper
172 100
171 34.1 27.8 41.6
170 23.1 18.6 28.0

Manual Integrations
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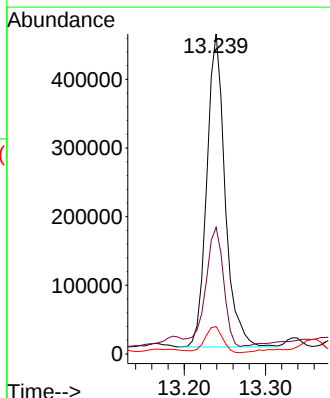
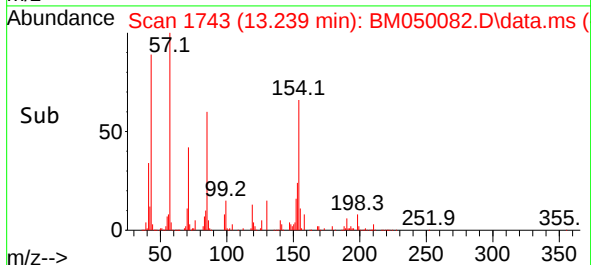
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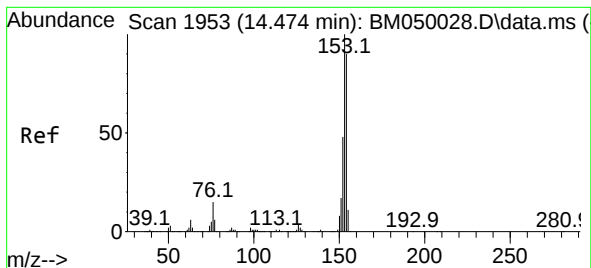


#46
1,1'-Biphenyl
Concen: 13.552 ng
RT: 13.239 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41



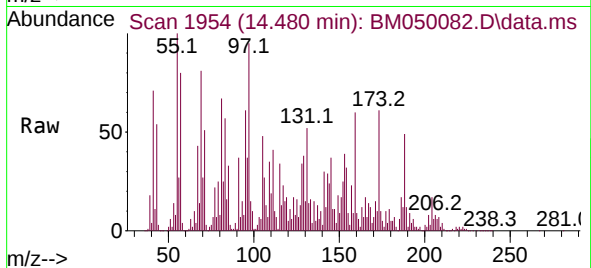
Tgt Ion:154 Resp: 711656
Ion Ratio Lower Upper
154 100
153 39.5 20.0 60.0
76 8.6 0.0 30.3





#52
Acenaphthene
Concen: 5.325 ng
RT: 14.480 min Scan# 1954
Delta R.T. 0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

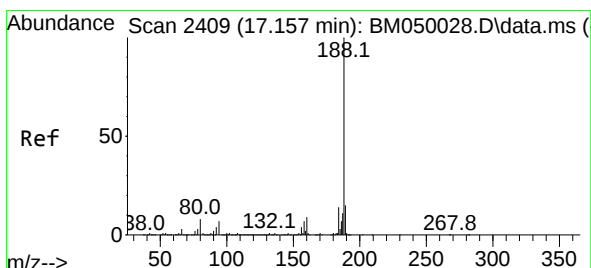
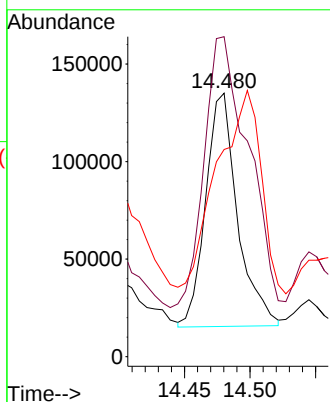
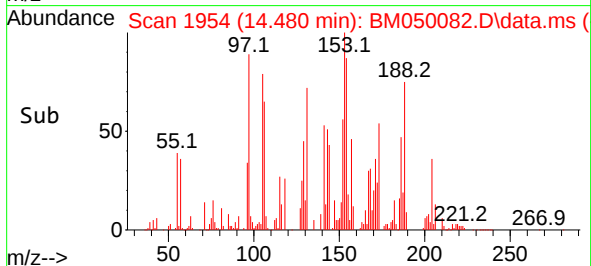
Instrument :
BNA_M
ClientSampleId :
SS-8



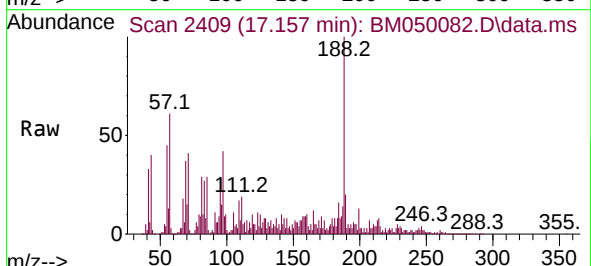
Tgt Ion:154 Resp: 202098
Ion Ratio Lower Upper
154 100
153 121.4 89.0 133.4
152 78.6 43.0 64.6

Manual Integrations
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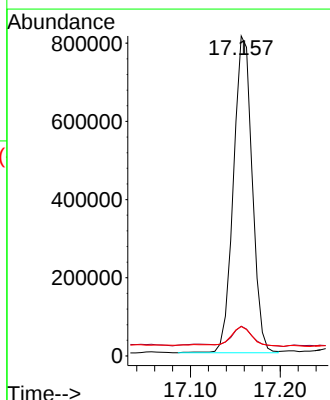
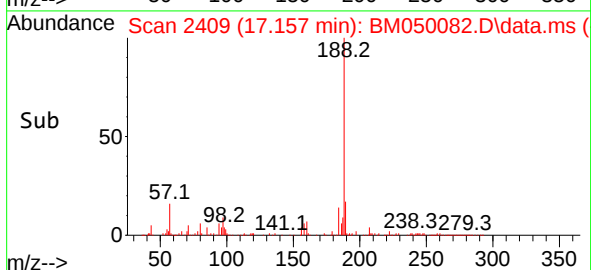
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

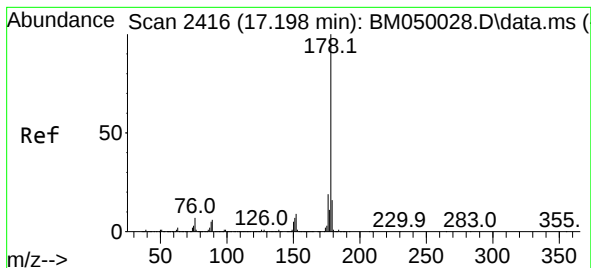


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41



Tgt Ion:188 Resp: 1174129
Ion Ratio Lower Upper
188 100
94 9.3 5.7 8.5#
80 9.2 6.2 9.4





#71

Phenanthrene

Concen: 39.810 ng

RT: 17.204 min Scan# 2416

Delta R.T. 0.006 min

Lab File: BM050082.D

Acq: 02 May 2025 12:41

Instrument :

BNA_M

ClientSampleId :

SS-8

Tgt Ion:178 Resp: 2636310

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

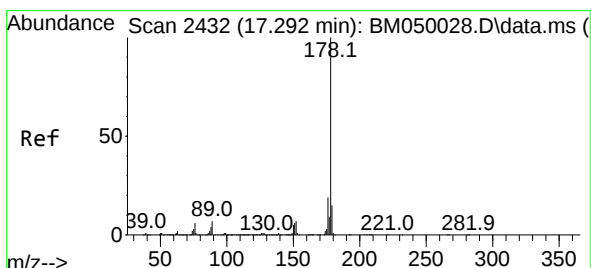
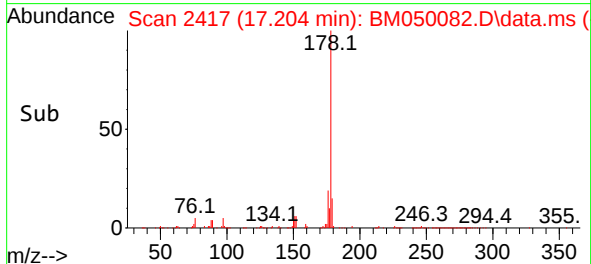
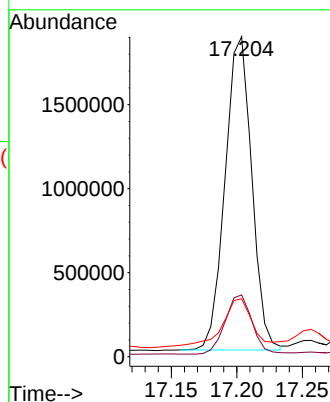
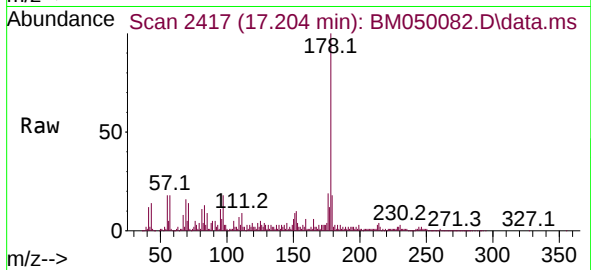
179 18.1 12.4 18.6

Manual Integrations

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Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#72

Anthracene

Concen: 6.148 ng m

RT: 17.292 min Scan# 2432

Delta R.T. -0.000 min

Lab File: BM050082.D

Acq: 02 May 2025 12:41

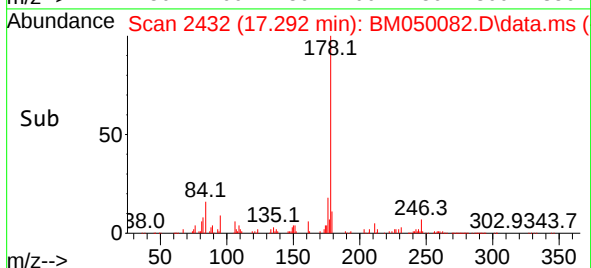
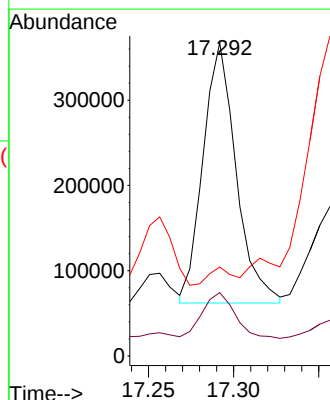
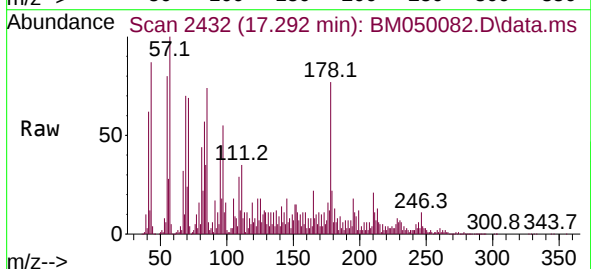
Tgt Ion:178 Resp: 411989

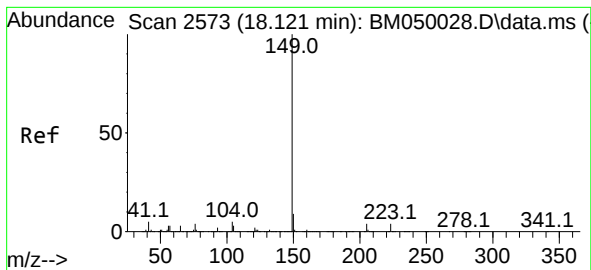
Ion Ratio Lower Upper

178 100

176 20.2 15.0 22.4

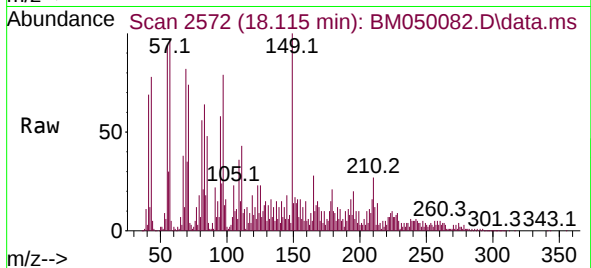
179 28.4 12.2 18.4#





#74
Di-n-butylphthalate
Concen: 6.630 ng
RT: 18.115 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

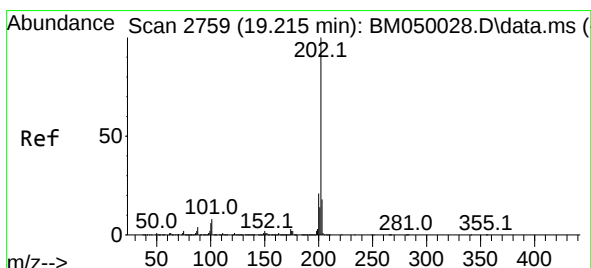
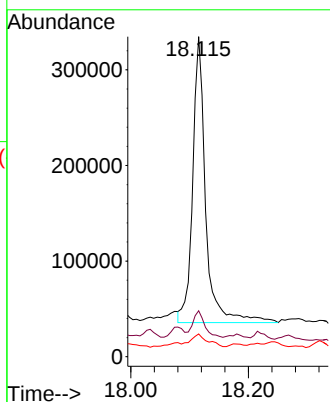
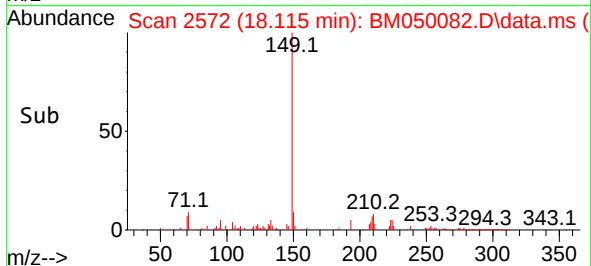
Instrument :
BNA_M
ClientSampleId :
SS-8



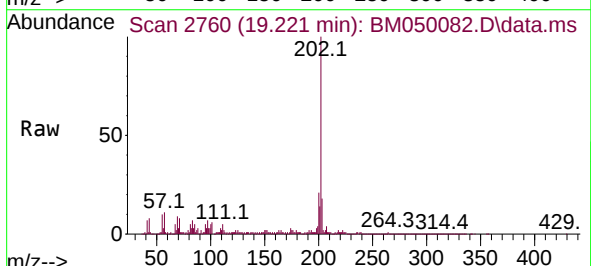
Tgt Ion:149 Resp: 459124
Ion Ratio Lower Upper
149 100
150 14.4 7.3 10.9
104 7.1 3.8 5.6

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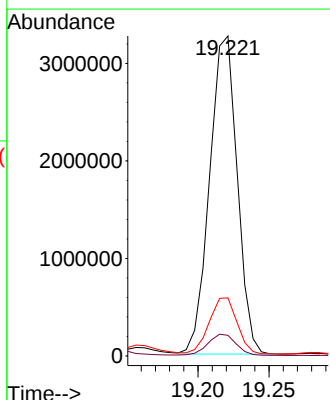
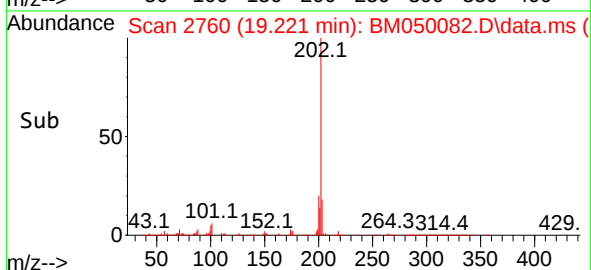
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

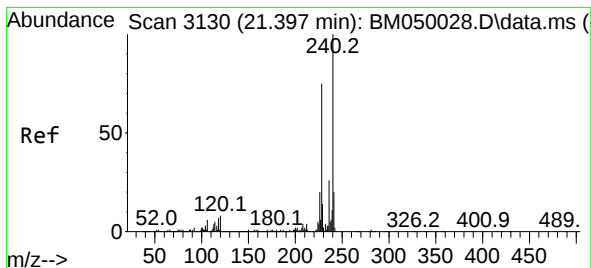


#75
Fluoranthene
Concen: 56.924 ng
RT: 19.221 min Scan# 2760
Delta R.T. 0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41



Tgt Ion:202 Resp: 4425756
Ion Ratio Lower Upper
202 100
101 6.4 0.0 28.0
203 18.2 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 31

Delta R.T. -0.011 min

Lab File: BM050082.D

Acq: 02 May 2025 12:41

Instrument :

BNA_M

ClientSampleId :

SS-8

Tgt Ion:240 Resp: 121852

Ion Ratio Lower Upper

240 100

120 8.0 6.5 9.7

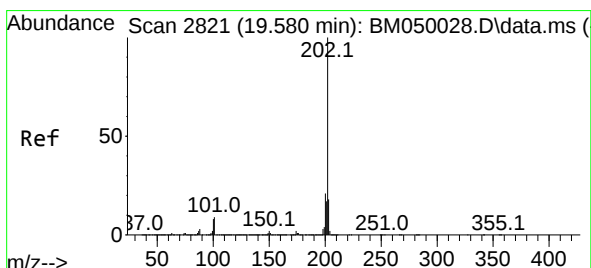
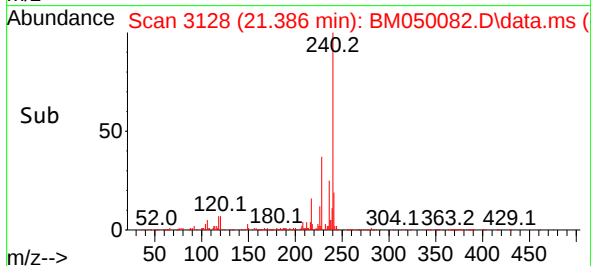
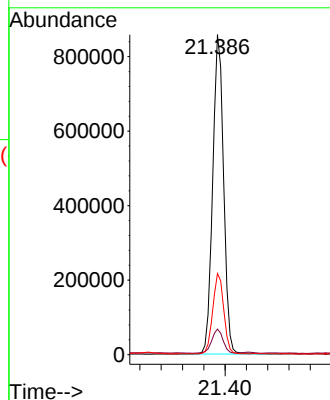
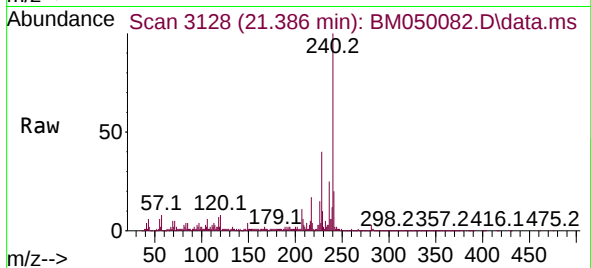
236 25.4 20.9 31.3

Manual Integrations

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Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#78

Pyrene

Concen: 50.230 ng

RT: 19.580 min Scan# 2821

Delta R.T. -0.000 min

Lab File: BM050082.D

Acq: 02 May 2025 12:41

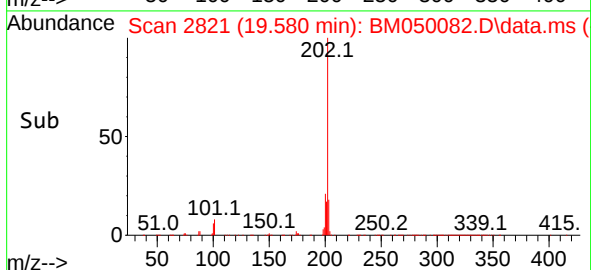
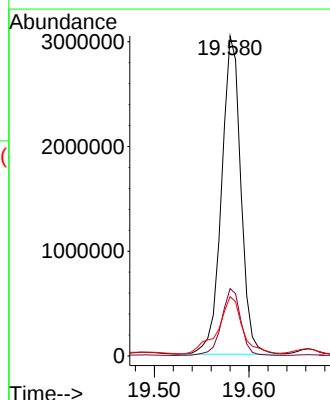
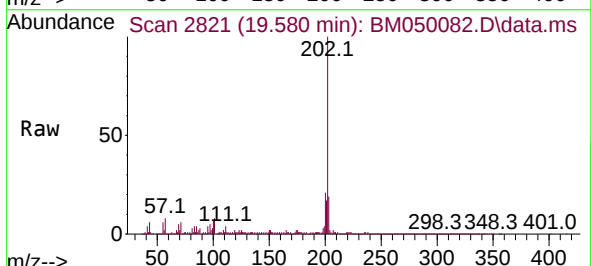
Tgt Ion:202 Resp: 4298119

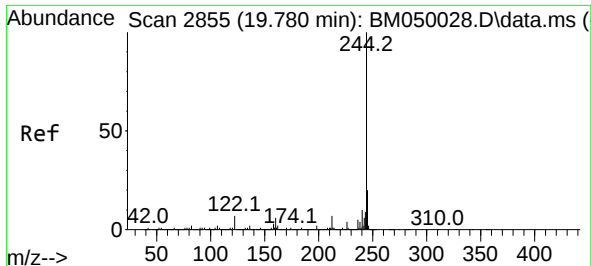
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

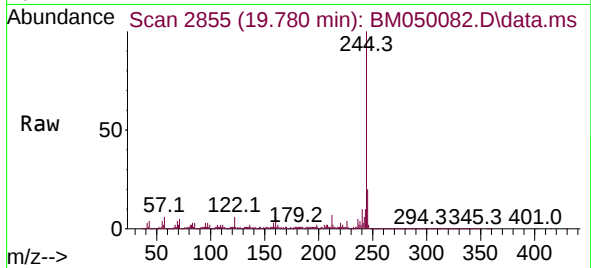
203 18.6 14.1 21.1





#79
 Terphenyl-d14
 Concen: 55.463 ng
 RT: 19.780 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM050082.D
 Acq: 02 May 2025 12:41

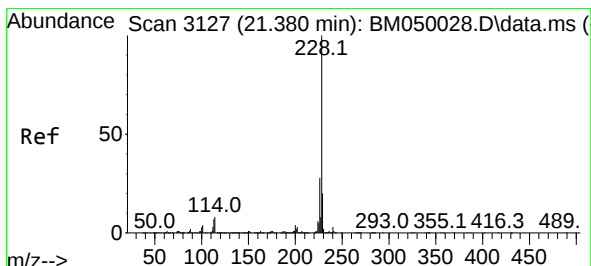
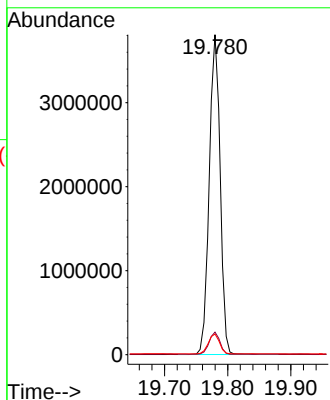
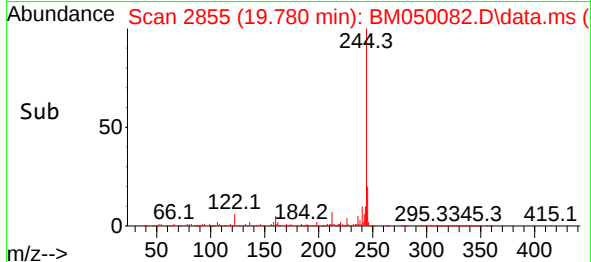
Instrument :
 BNA_M
 ClientSampleId :
 SS-8



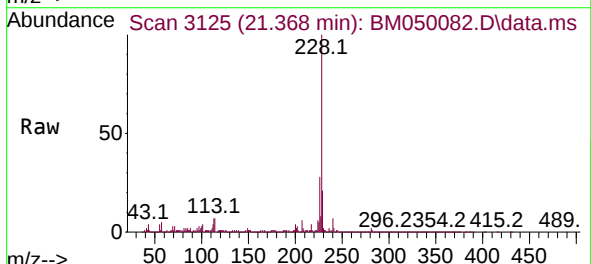
Tgt Ion:244 Resp: 4567238
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 6.4 5.6 8.4

Manual Integrations
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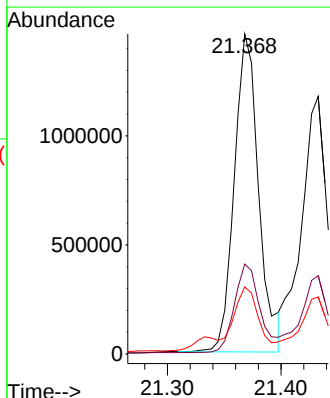
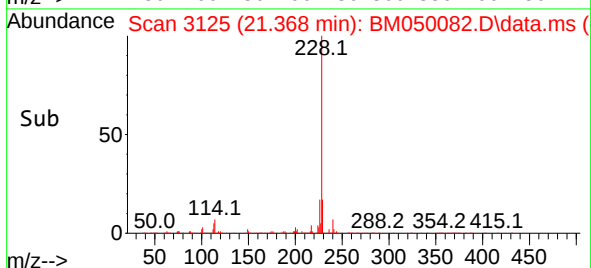
Reviewed By :Rahul Chavli 05/05/2025
 Supervised By :Jagrut Upadhyay 05/05/2025

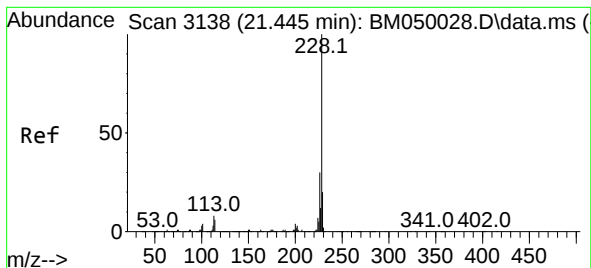


#81
 Benzo(a)anthracene
 Concen: 25.900 ng
 RT: 21.368 min Scan# 3125
 Delta R.T. -0.012 min
 Lab File: BM050082.D
 Acq: 02 May 2025 12:41



Tgt Ion:228 Resp: 2173300
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.1 33.1
 229 21.0 15.7 23.5





#83

Chrysene

Concen: 23.919 ng

RT: 21.433 min Scan# 3138

Delta R.T. -0.012 min

Lab File: BM050082.D

Acq: 02 May 2025 12:41

Instrument :

BNA_M

ClientSampleId :

SS-8

Tgt Ion:228 Resp: 1857590

Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.2

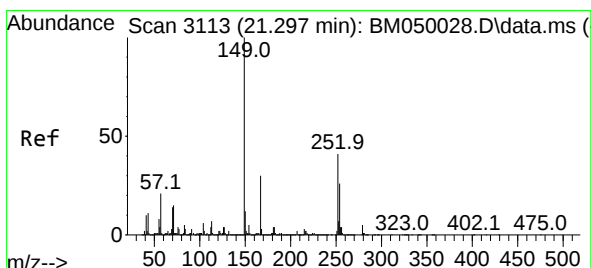
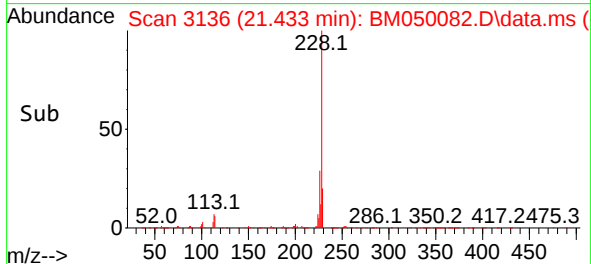
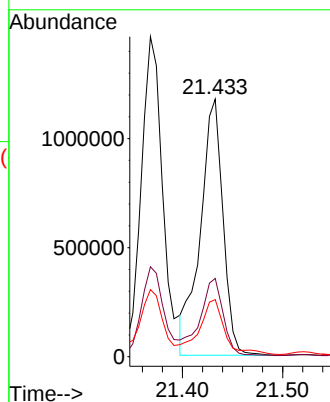
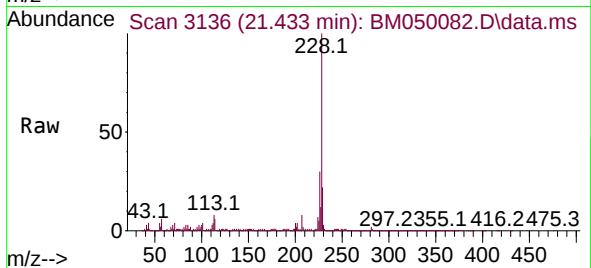
229 22.1 15.7 23.5

Manual Integrations

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Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 26.813 ng

RT: 21.286 min Scan# 3111

Delta R.T. -0.012 min

Lab File: BM050082.D

Acq: 02 May 2025 12:41

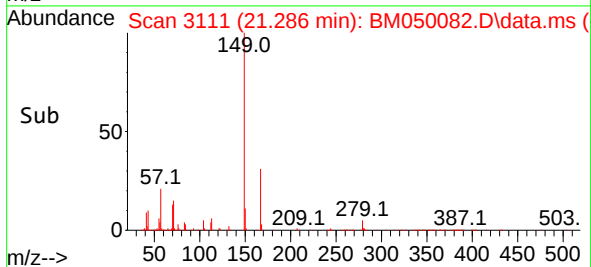
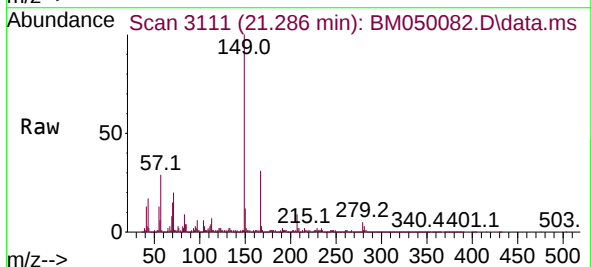
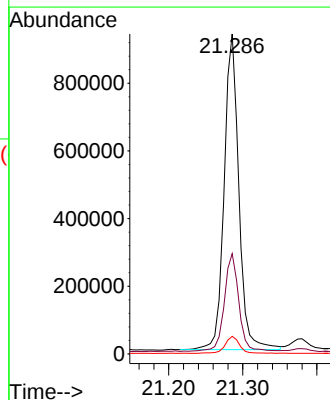
Tgt Ion:149 Resp: 1283549

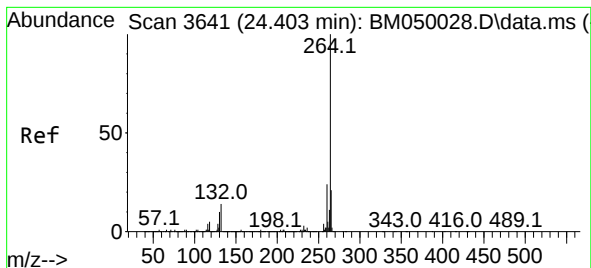
Ion Ratio Lower Upper

149 100

167 31.4 24.1 36.1

279 5.5 3.9 5.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.374 min Scan# 30

Delta R.T. -0.029 min

Lab File: BM050082.D

Acq: 02 May 2025 12:41

Instrument :

BNA_M

ClientSampleId :

SS-8

Tgt Ion:264 Resp: 1375318

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

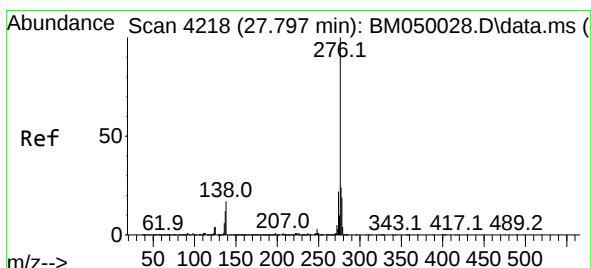
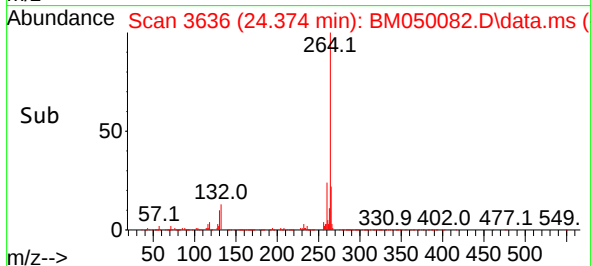
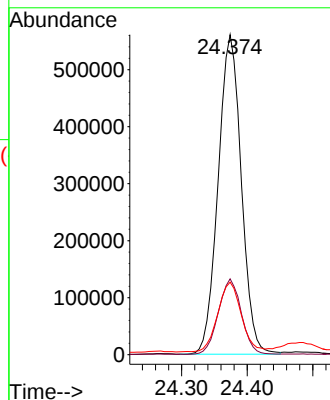
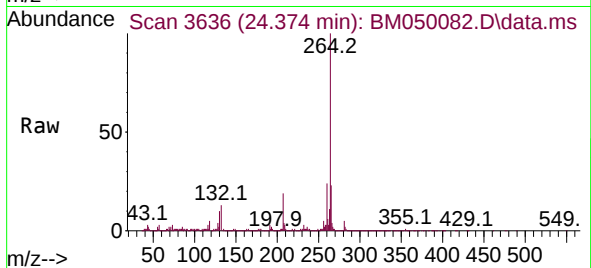
265 22.6 17.0 25.4

Manual Integrations

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Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.611 ng

RT: 27.750 min Scan# 4210

Delta R.T. -0.047 min

Lab File: BM050082.D

Acq: 02 May 2025 12:41

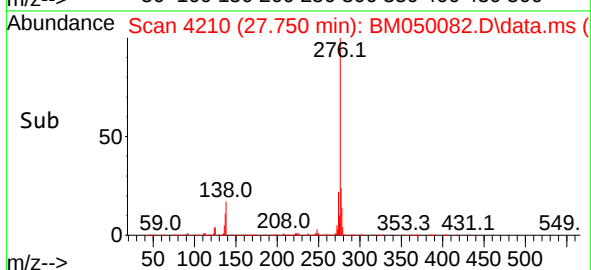
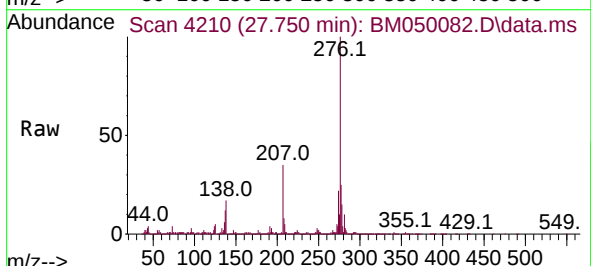
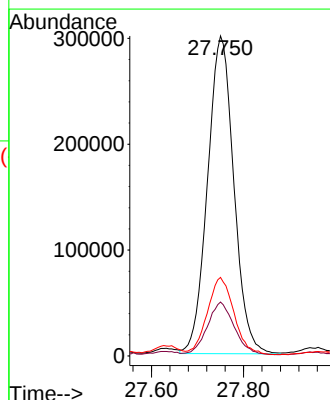
Tgt Ion:276 Resp: 1189908

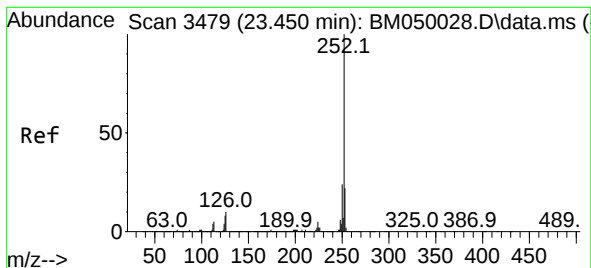
Ion Ratio Lower Upper

276 100

138 16.9 16.4 24.6

277 24.6 19.8 29.8





#88

Benzo(b)fluoranthene

Concen: 27.255 ng

RT: 23.433 min Scan# 3479

Delta R.T. -0.018 min

Lab File: BM050082.D

Acq: 02 May 2025 12:41

Instrument :

BNA_M

ClientSampleId :

SS-8

Tgt Ion:252 Resp: 243774

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

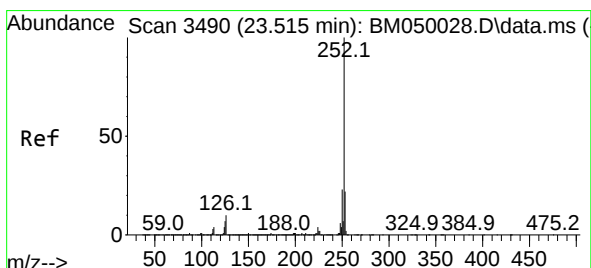
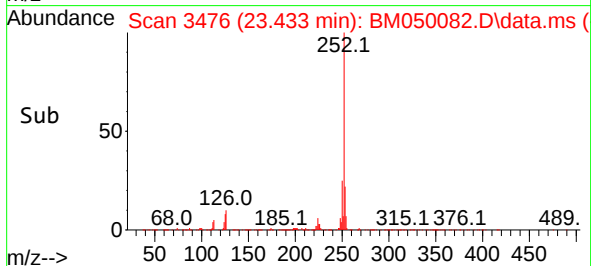
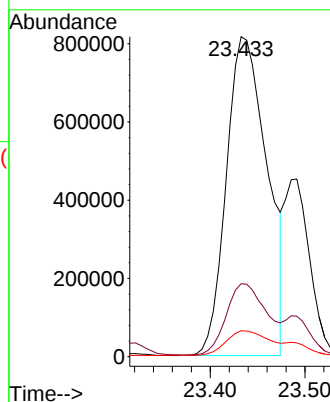
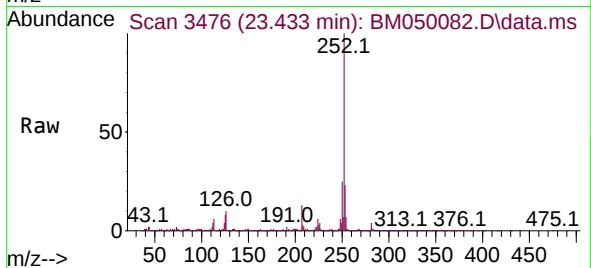
125 8.1 6.1 9.1

Manual Integrations

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Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#89

Benzo(k)fluoranthene

Concen: 9.184 ng m

RT: 23.491 min Scan# 3486

Delta R.T. -0.024 min

Lab File: BM050082.D

Acq: 02 May 2025 12:41

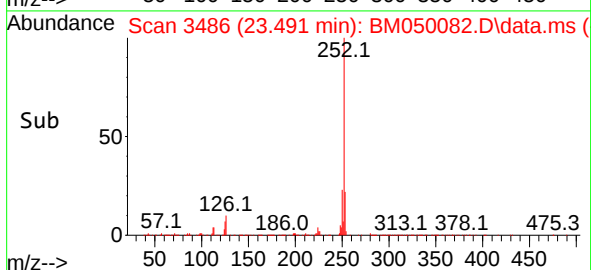
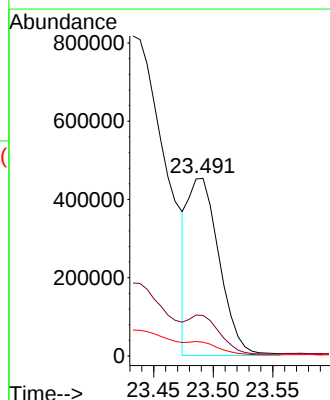
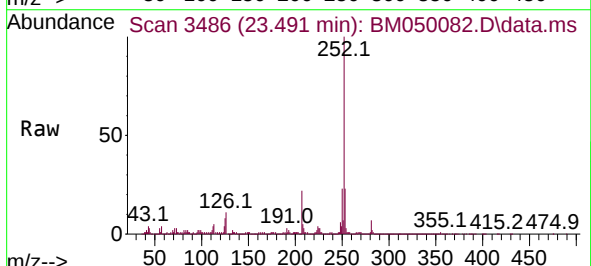
Tgt Ion:252 Resp: 830931

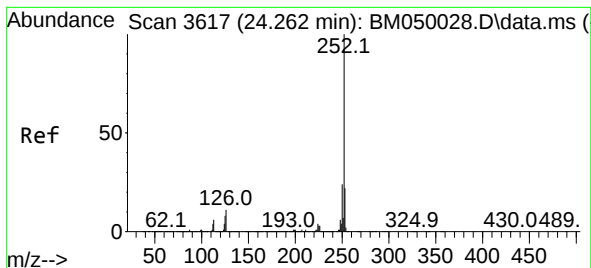
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 7.8 5.8 8.8





#90

Benzo(a)pyrene

Concen: 21.367 ng

RT: 24.233 min Scan# 30

Delta R.T. -0.029 min

Lab File: BM050082.D

Acq: 02 May 2025 12:41

Instrument :

BNA_M

ClientSampleId :

SS-8

Tgt Ion:252 Resp: 1789914

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

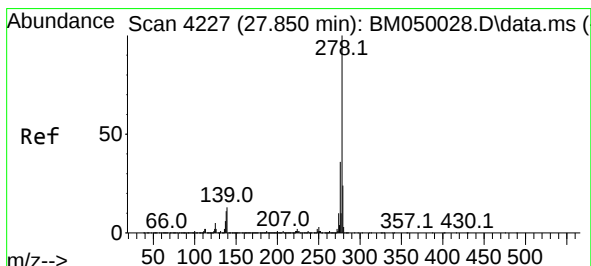
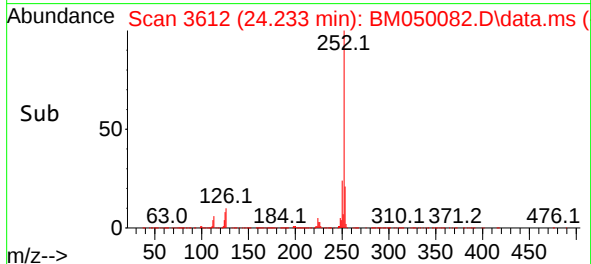
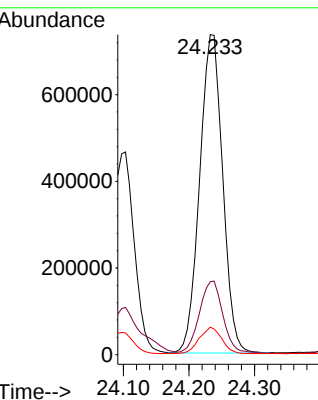
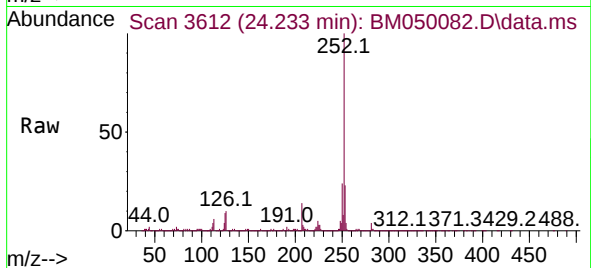
125 8.6 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#91

Dibenzo(a,h)anthracene

Concen: 3.793 ng

RT: 27.785 min Scan# 4216

Delta R.T. -0.065 min

Lab File: BM050082.D

Acq: 02 May 2025 12:41

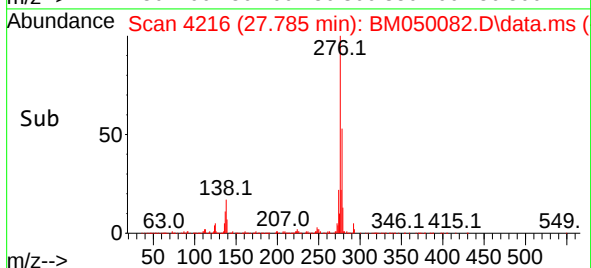
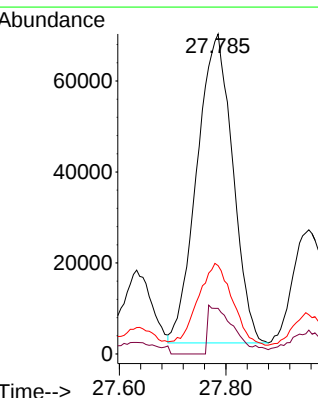
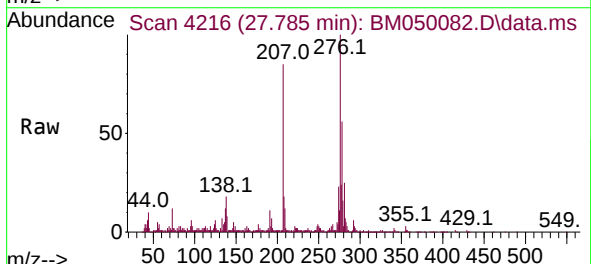
Tgt Ion:278 Resp: 316870

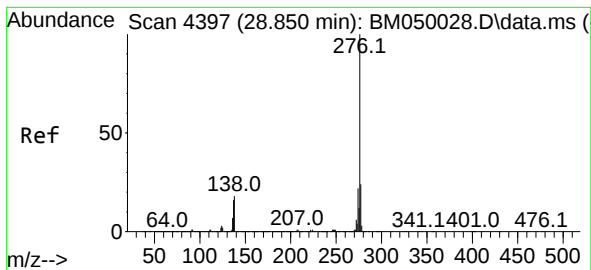
Ion Ratio Lower Upper

278 100

139 14.3 10.5 15.7

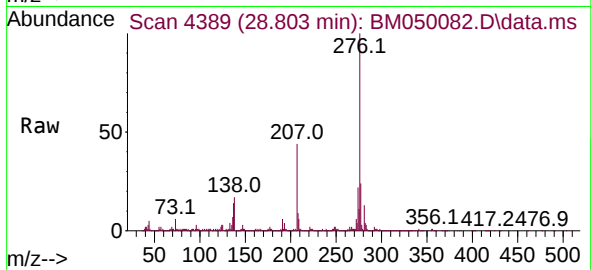
279 27.6 19.4 29.0





#92
Benzo(g,h,i)perylene
Concen: 13.535 ng
RT: 28.803 min Scan# 41
Delta R.T. -0.047 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

Instrument :
BNA_M
ClientSampleId :
SS-8



Tgt Ion:276 Resp: 108244
Ion Ratio Lower Upper
276 100
277 24.1 19.1 28.7
138 17.1 14.3 21.5

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

