

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050091.D
 Acq On : 02 May 2025 18:36
 Operator : RC/JU
 Sample : Q1906-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-6

Manual Integrations
 APPROVED

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

Quant Time: May 02 23:58:20 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	7.745	152	561267	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1922604	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	1113177	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1746831	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1449481	20.000	ng	-0.02
86) Perylene-d12	24.380	264	1520443	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	2204168	68.767	ng	-0.01
7) Phenol-d6	6.940	99	2929960	72.729	ng	-0.01
23) Nitrobenzene-d5	8.904	82	1696620	43.484	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	1090416	66.247	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	4497800	47.799	ng	-0.02
79) Terphenyl-d14	19.768	244	4223573	43.117	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.116	152	358419	3.469	ng	99
71) Phenanthrene	17.180	178	291765	2.961	ng	99
72) Anthracene	17.280	178	469726	4.711	ng	100
75) Fluoranthene	19.203	202	1008945	8.722	ng	99
78) Pyrene	19.562	202	1244436	12.226	ng	99
80) Butylbenzylphthalate	20.462	149	233731	6.131	ng	97
81) Benzo(a)anthracene	21.362	228	754384	7.558	ng	96
83) Chrysene	21.427	228	850042m	9.201	ng	
84) Bis(2-ethylhexyl)phtha...	21.280	149	215220	3.780	ng	98
87) Indeno(1,2,3-cd)pyrene	27.756	276	666228	5.881	ng	97
88) Benzo(b)fluoranthene	23.433	252	1177487	11.908	ng	96
89) Benzo(k)fluoranthene	23.486	252	384512m	3.844	ng	
90) Benzo(a)pyrene	24.233	252	820827	8.863	ng	97
92) Benzo(g,h,i)perylene	28.815	276	698826	7.904	ng	100

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

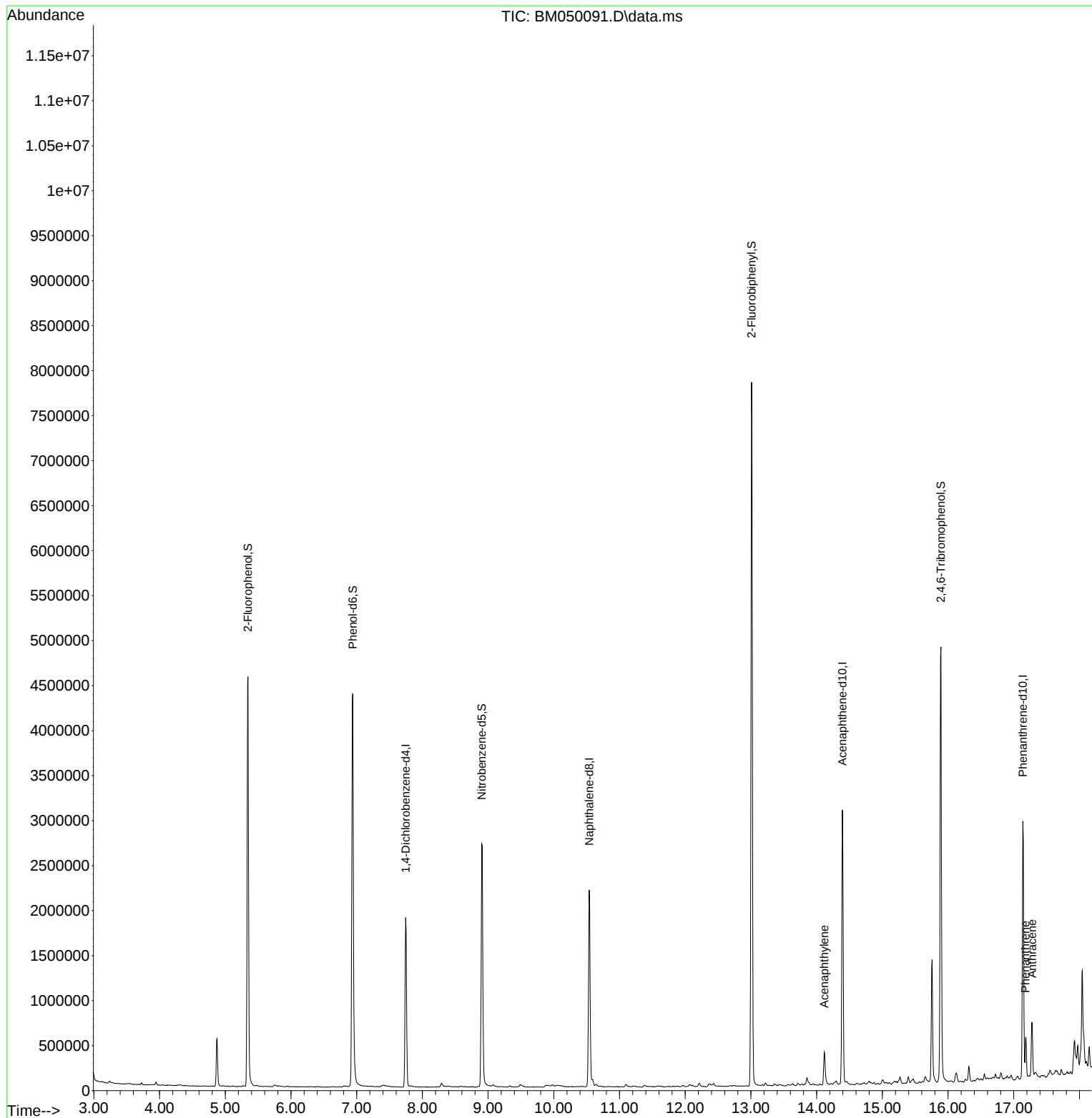
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
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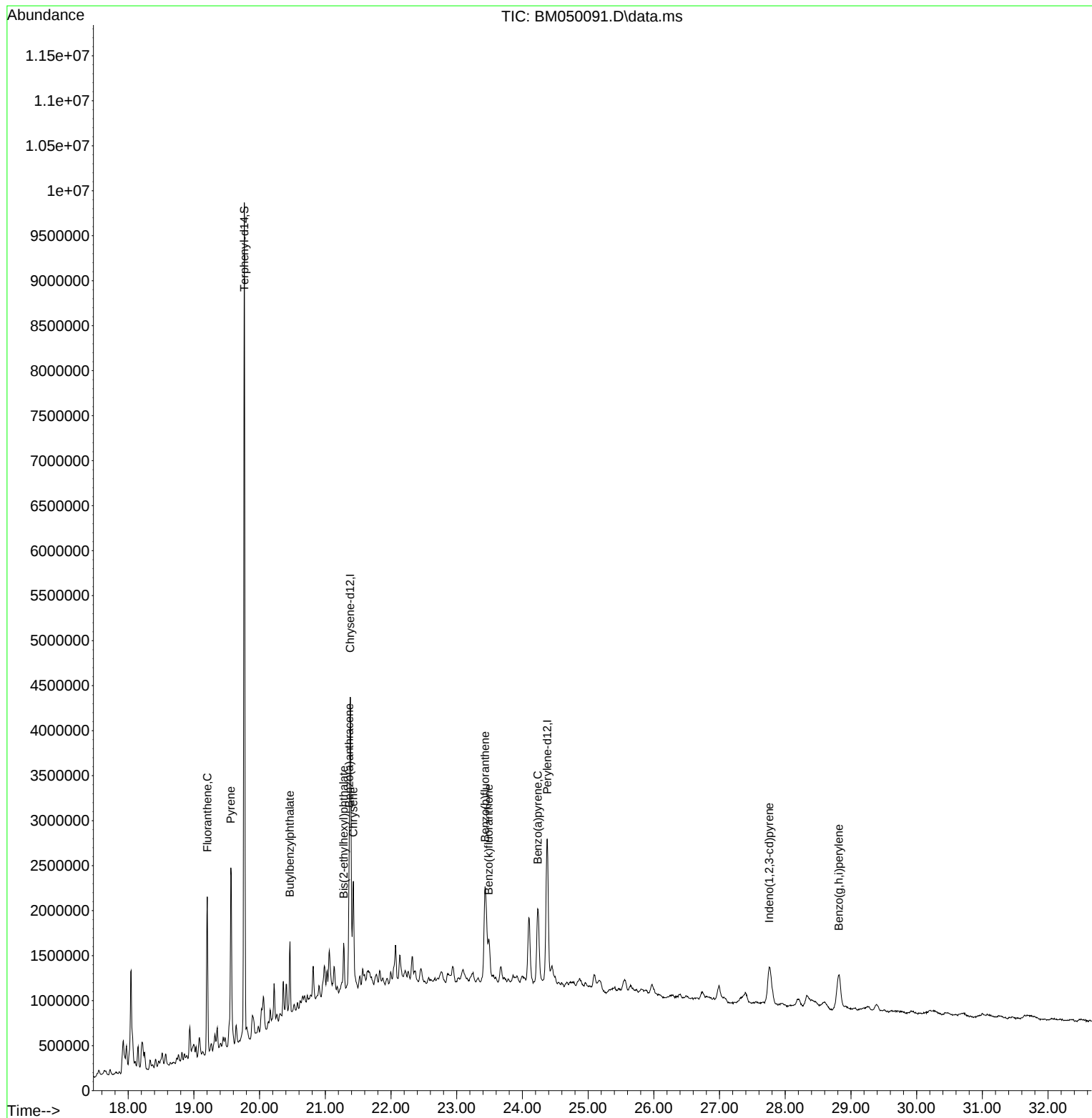
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Data File : BM050091.D
Acq On : 02 May 2025 18:36
Operator : RC/JU
Sample : Q1906-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

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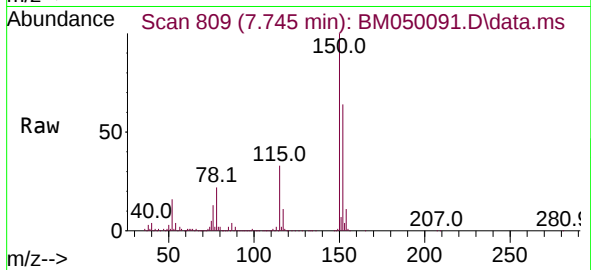
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36

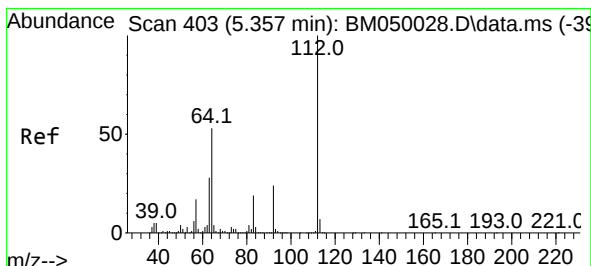
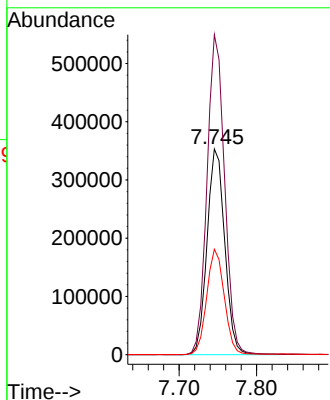
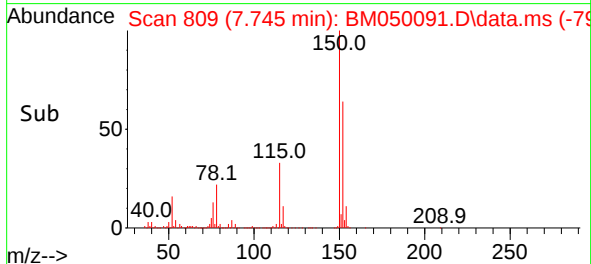
Instrument :
BNA_M
ClientSampleId :
WC-6



Tgt Ion:152 Resp: 56126
Ion Ratio Lower Upper
152 100
150 155.5 124.1 186.1
115 51.2 41.2 61.8

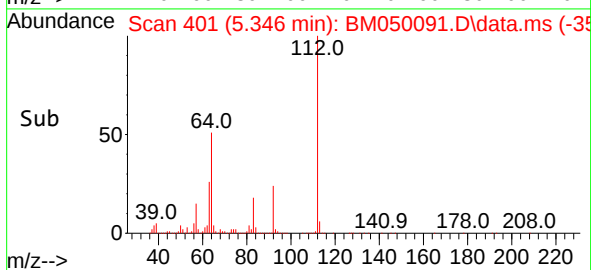
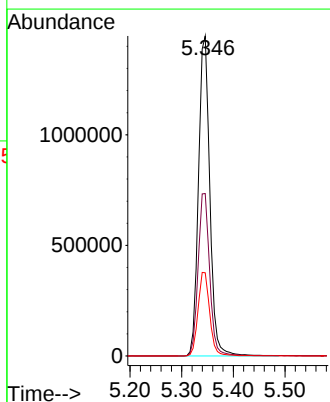
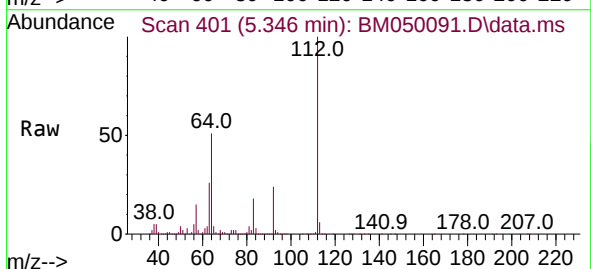
Manual Integrations
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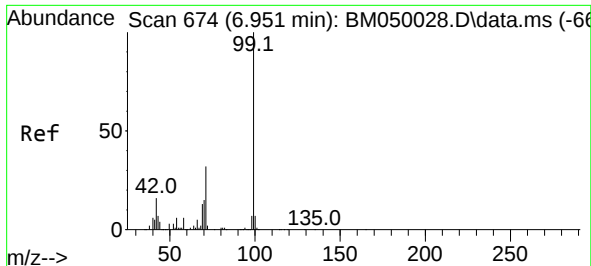
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#5
2-Fluorophenol
Concen: 68.767 ng
RT: 5.346 min Scan# 401
Delta R.T. -0.012 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36

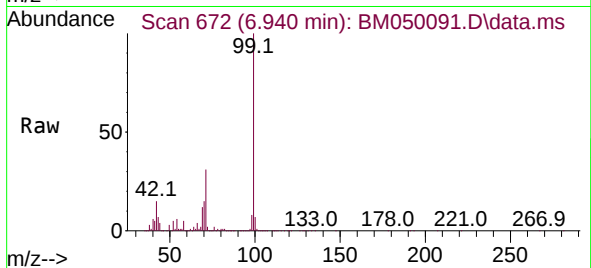
Tgt Ion:112 Resp: 2204168
Ion Ratio Lower Upper
112 100
64 50.7 42.6 64.0
63 26.0 22.2 33.4





#7
Phenol-d6
Concen: 72.729 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36

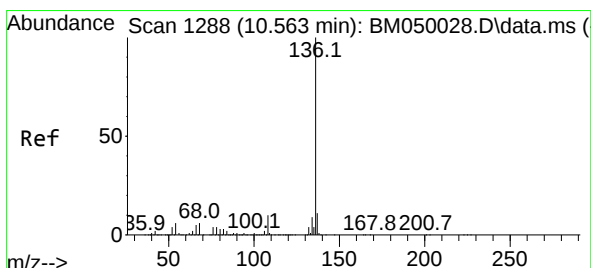
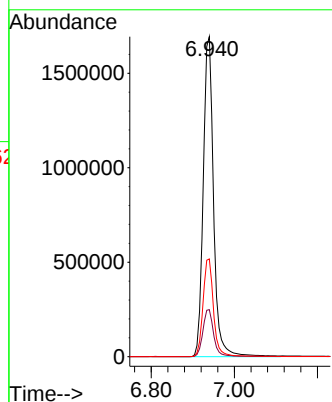
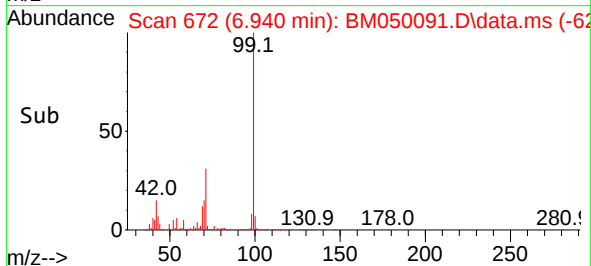
Instrument :
BNA_M
ClientSampleId :
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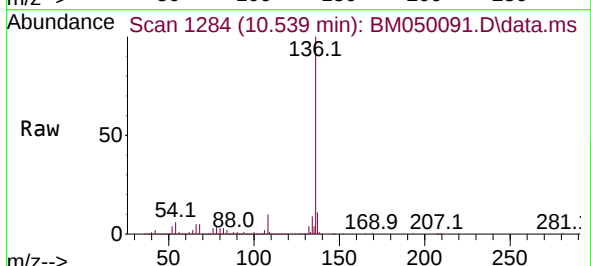
Tgt Ion: 99 Resp: 2929960
Ion Ratio Lower Upper
99 100
42 14.7 13.0 19.4
71 30.6 25.6 38.4

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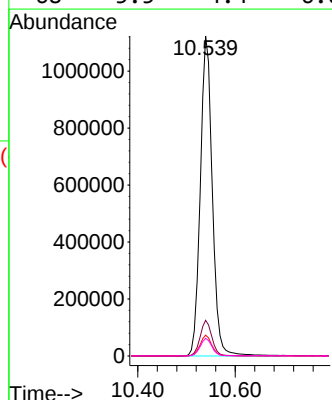
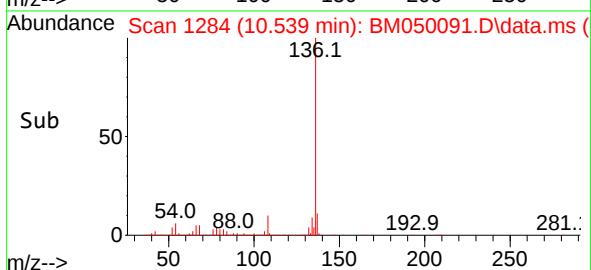
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

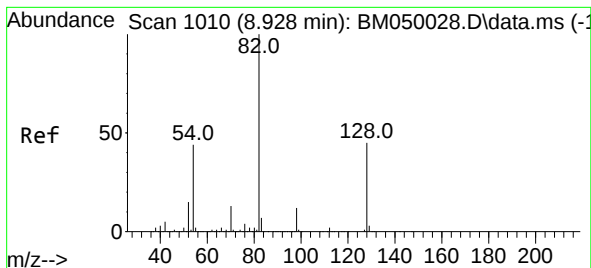


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36



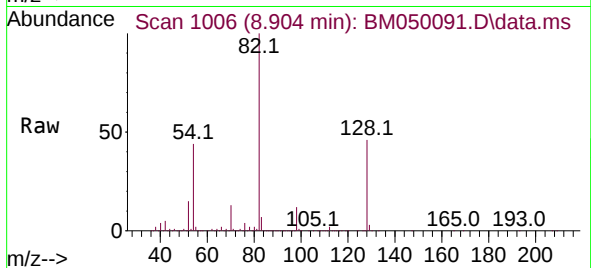
Tgt Ion:136 Resp: 1922604
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 6.5 5.1 7.7
68 5.5 4.4 6.6





#23
Nitrobenzene-d5
Concen: 43.484 ng
RT: 8.904 min Scan# 1010
Delta R.T. -0.024 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36

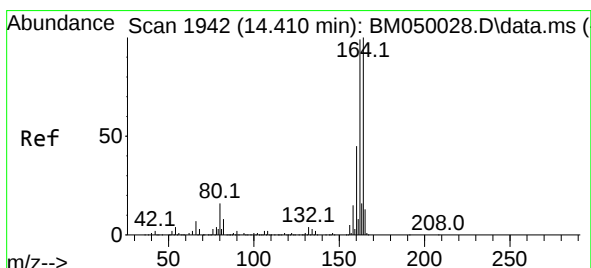
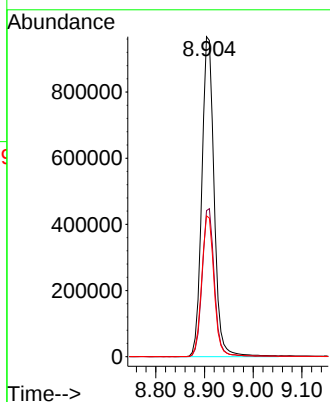
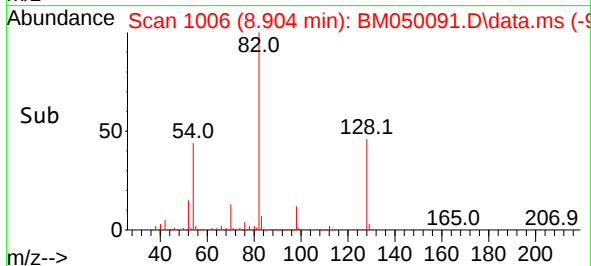
Instrument :
BNA_M
ClientSampleId :
WC-6



Tgt Ion: 82 Resp: 1696620
Ion Ratio Lower Upper
82 100
128 45.6 35.7 53.5
54 44.0 35.4 53.2

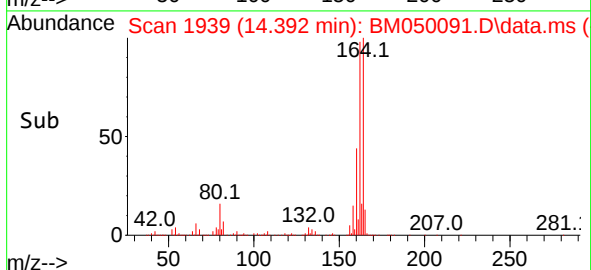
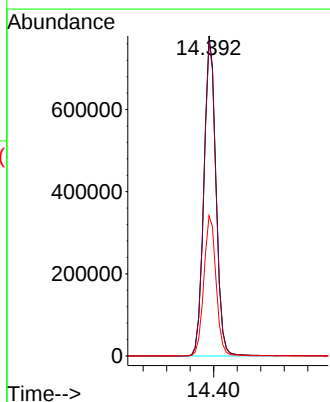
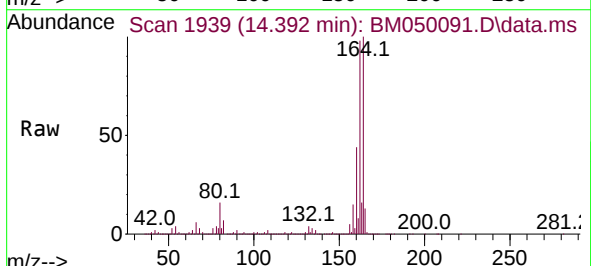
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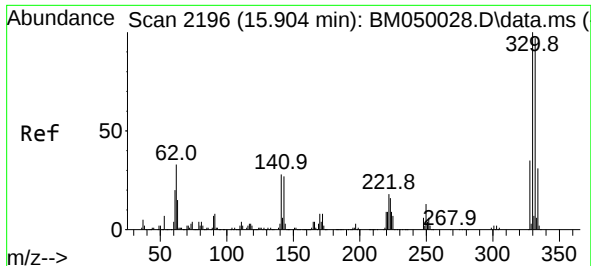
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36

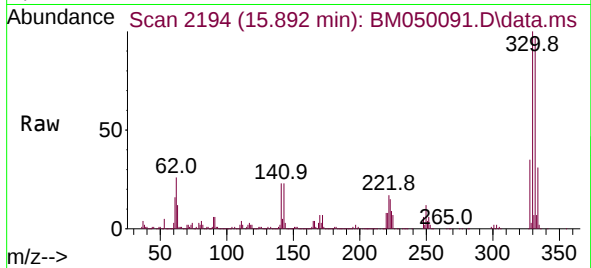
Tgt Ion:164 Resp: 1113177
Ion Ratio Lower Upper
164 100
162 98.4 79.4 119.0
160 43.9 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 66.247 ng
RT: 15.892 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36

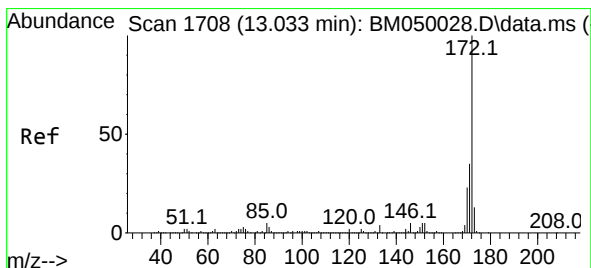
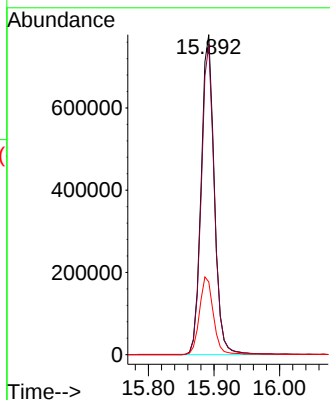
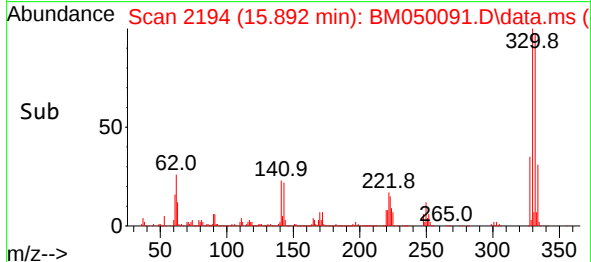
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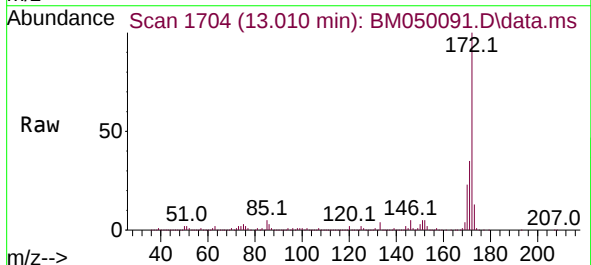
Tgt Ion:330 Resp: 1090410
Ion Ratio Lower Upper
330 100
332 96.2 77.3 115.9
141 25.3 22.5 33.7

Manual Integrations
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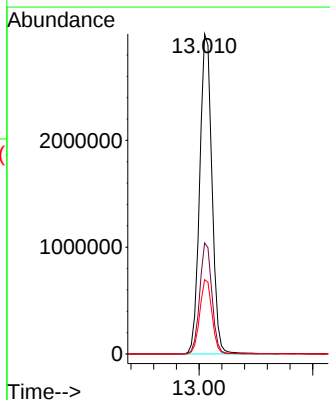
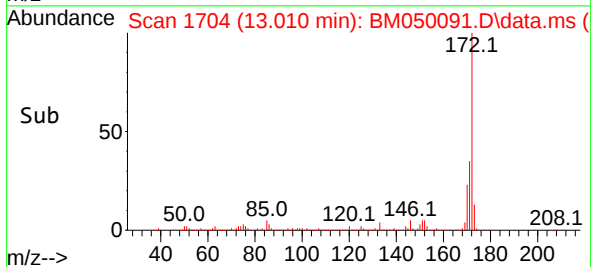
Reviewed By :Rahul Chavli 05/05/2025
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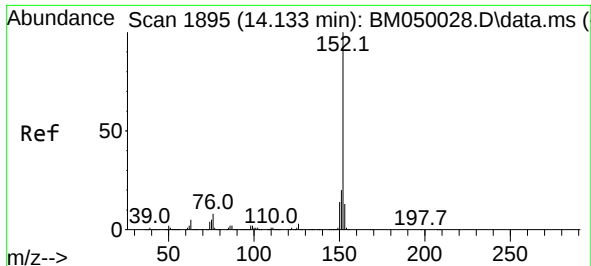


#45
2-Fluorobiphenyl
Concen: 47.799 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36



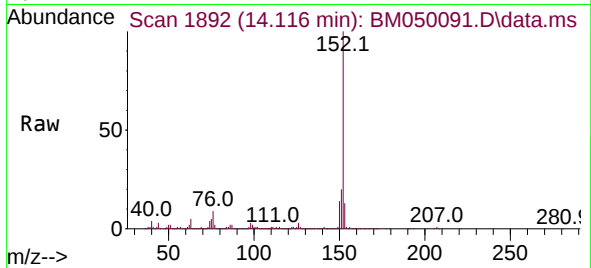
Tgt Ion:172 Resp: 4497800
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 23.2 18.6 28.0





#49
Acenaphthylene
Concen: 3.469 ng
RT: 14.116 min Scan# 1892
Delta R.T. -0.018 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36

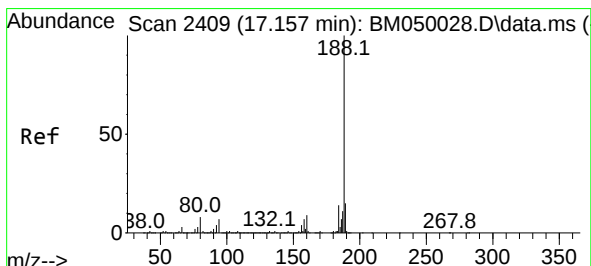
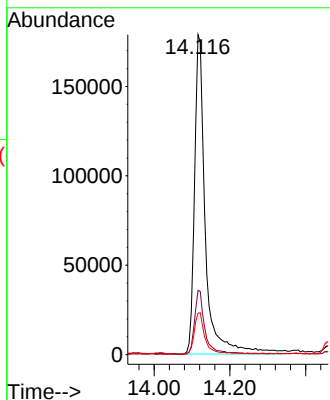
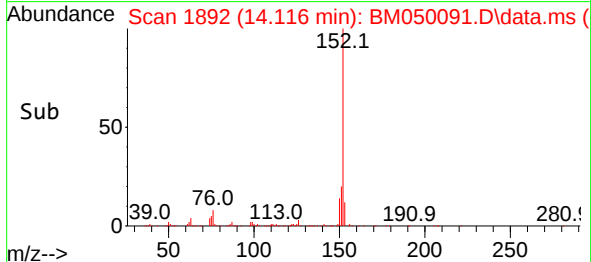
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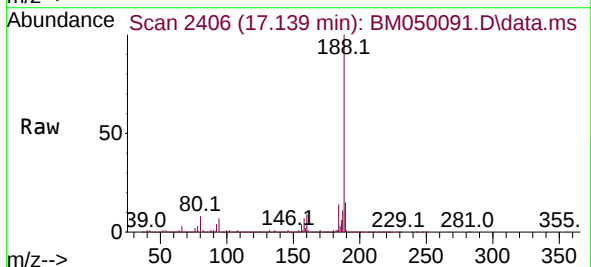
Tgt Ion:152 Resp: 358419
Ion Ratio Lower Upper
152 100
151 20.1 15.8 23.8
153 13.0 10.6 15.8

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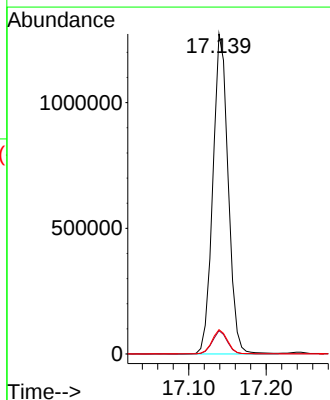
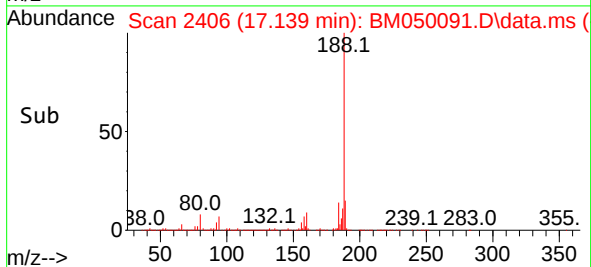
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

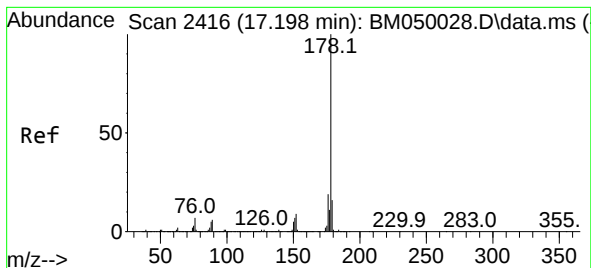


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36



Tgt Ion:188 Resp: 1746831
Ion Ratio Lower Upper
188 100
94 7.3 5.7 8.5
80 7.6 6.2 9.4





#71

Phenanthrene

Concen: 2.961 ng

RT: 17.180 min Scan# 2416

Delta R.T. -0.018 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

Instrument :

BNA_M

ClientSampleId :

WC-6

Tgt Ion:178 Resp: 29176

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

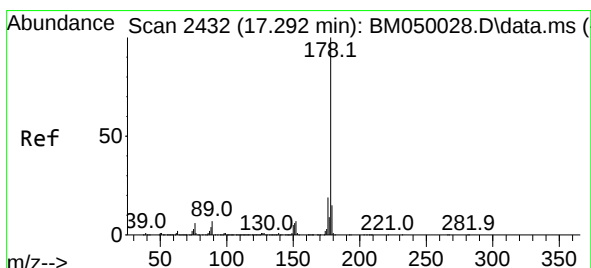
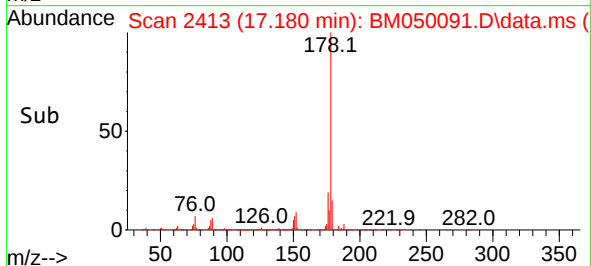
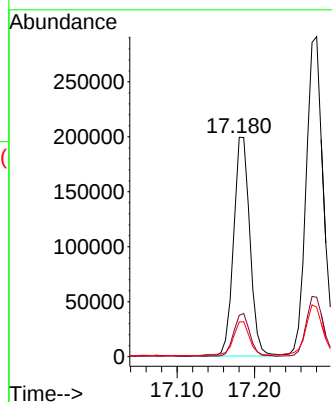
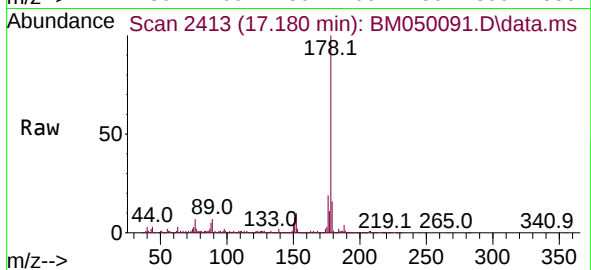
179 15.9 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#72

Anthracene

Concen: 4.711 ng

RT: 17.280 min Scan# 2430

Delta R.T. -0.012 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

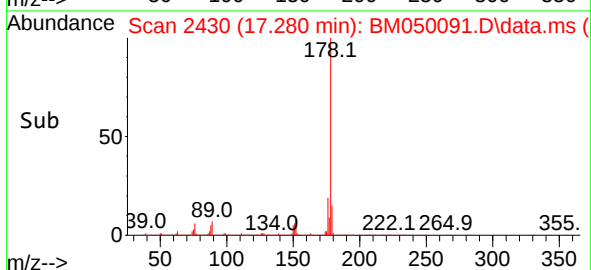
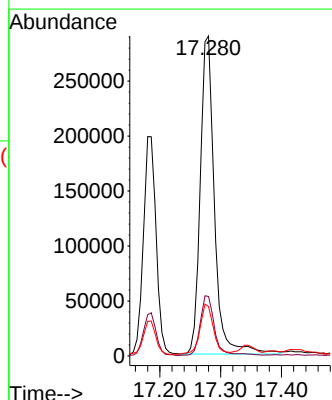
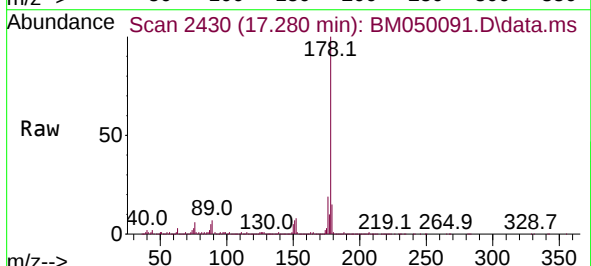
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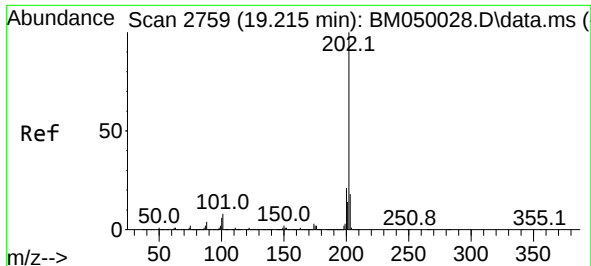
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

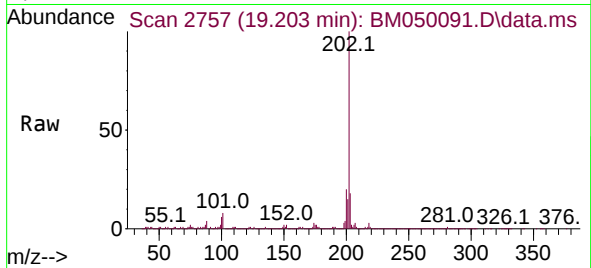
179 15.4 12.2 18.4





#75
Fluoranthene
Concen: 8.722 ng
RT: 19.203 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36

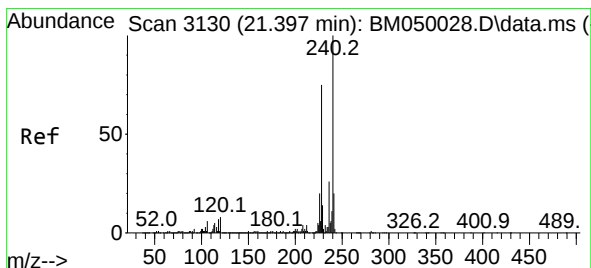
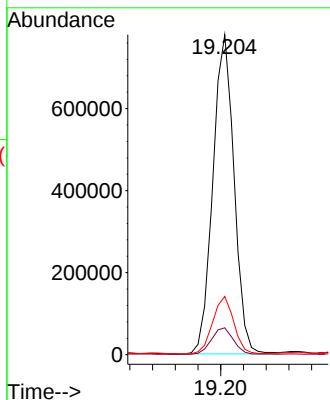
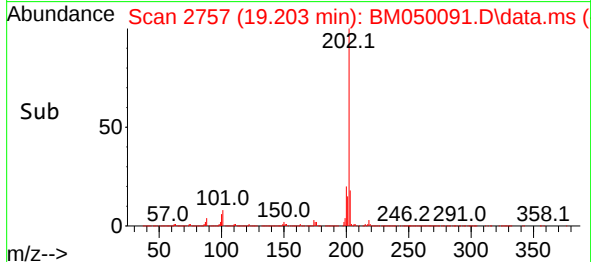
Instrument :
BNA_M
ClientSampleId :
WC-6



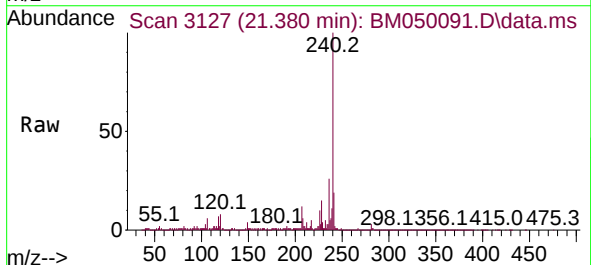
Tgt Ion:202 Resp: 100894
Ion Ratio Lower Upper
202 100
101 8.4 0.0 28.0
203 18.2 0.0 37.7

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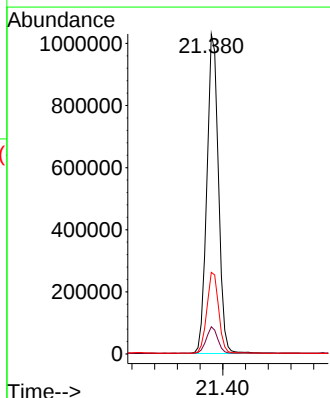
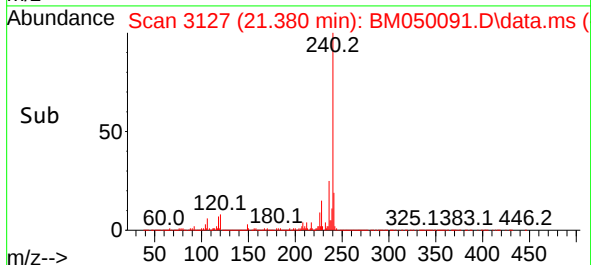
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

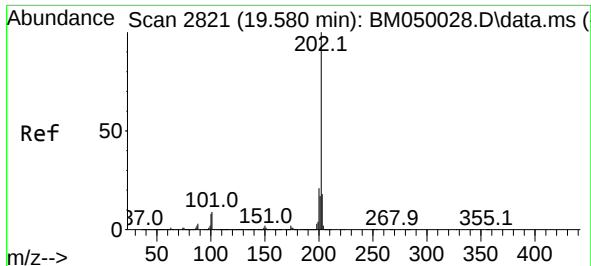


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.017 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36



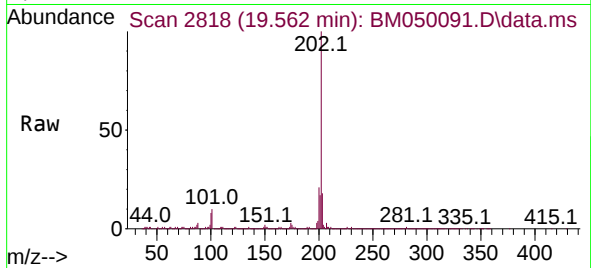
Tgt Ion:240 Resp: 1449481
Ion Ratio Lower Upper
240 100
120 8.5 6.5 9.7
236 25.5 20.9 31.3





#78
Pyrene
Concen: 12.226 ng
RT: 19.562 min Scan# 2821
Delta R.T. -0.018 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36

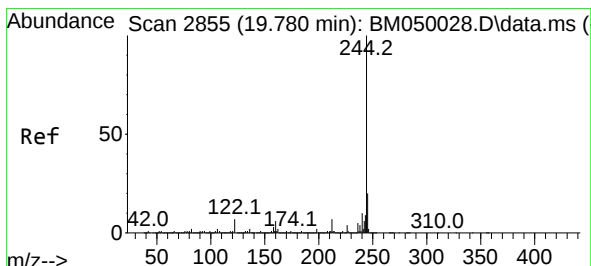
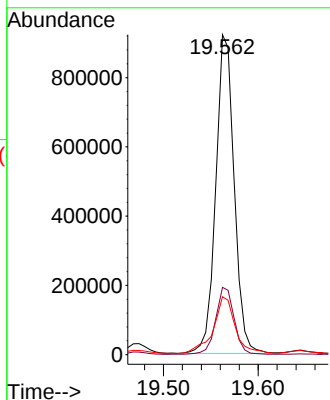
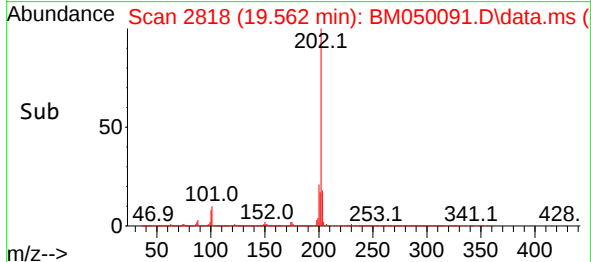
Instrument :
BNA_M
ClientSampleId :
WC-6



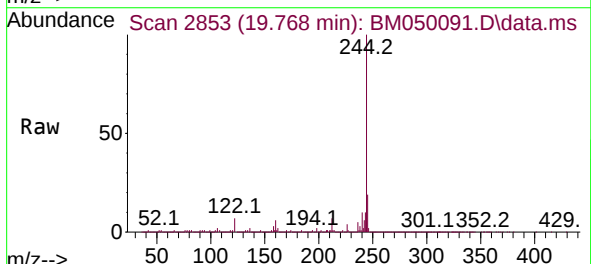
Tgt Ion:202 Resp: 1244430
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 18.1 14.1 21.1

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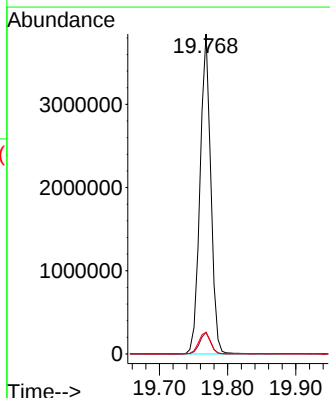
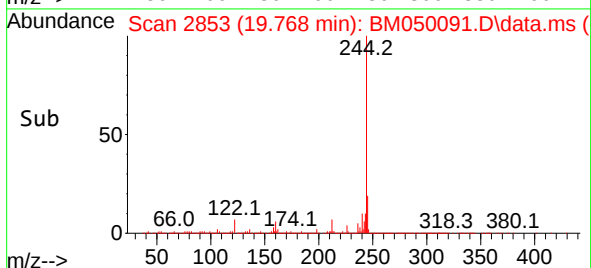
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

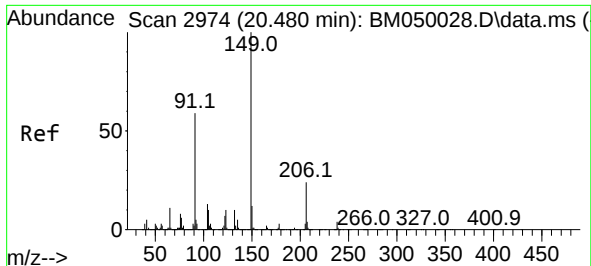


#79
Terphenyl-d14
Concen: 43.117 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36



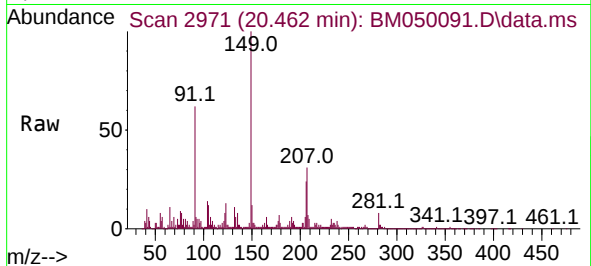
Tgt Ion:244 Resp: 4223573
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 6.7 5.6 8.4





#80
Butylbenzylphthalate
Concen: 6.131 ng
RT: 20.462 min Scan# 2971
Delta R.T. -0.018 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36

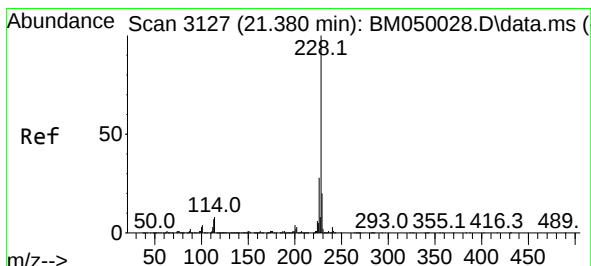
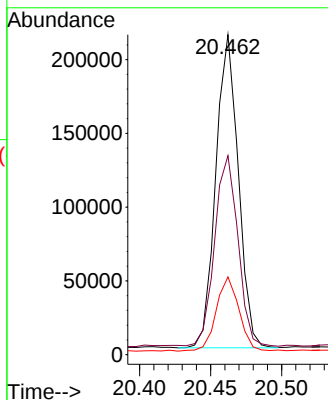
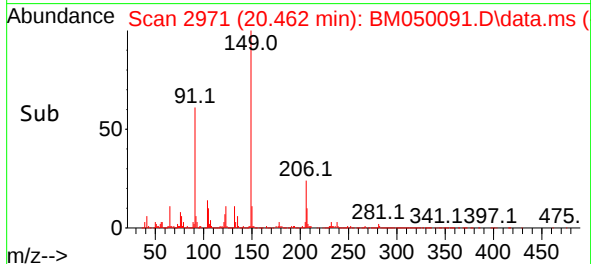
Instrument :
BNA_M
ClientSampleId :
WC-6



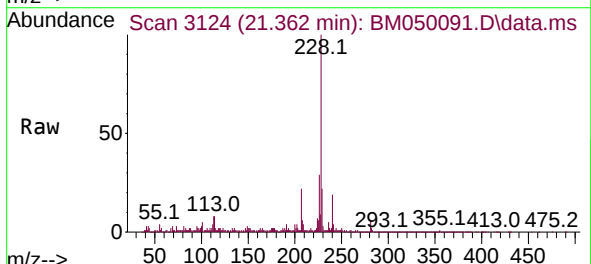
Tgt Ion:149 Resp: 23373
Ion Ratio Lower Upper
149 100
91 62.2 47.4 71.2
206 24.3 19.4 29.0

Manual Integrations
APPROVED

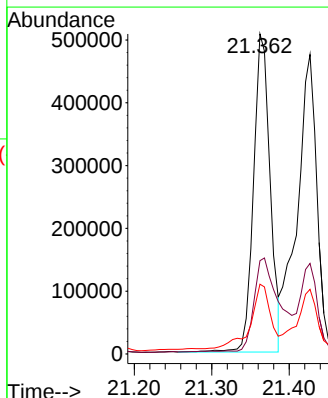
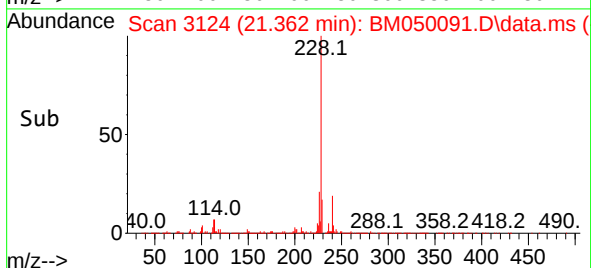
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

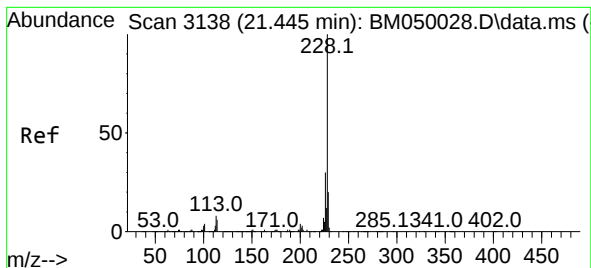


#81
Benzo(a)anthracene
Concen: 7.558 ng
RT: 21.362 min Scan# 3124
Delta R.T. -0.018 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36



Tgt Ion:228 Resp: 754384
Ion Ratio Lower Upper
228 100
226 29.1 22.1 33.1
229 21.8 15.7 23.5





#83

Chrysene

Concen: 9.201 ng m

RT: 21.427 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

Instrument :

BNA_M

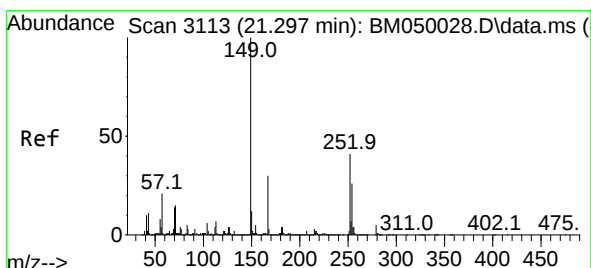
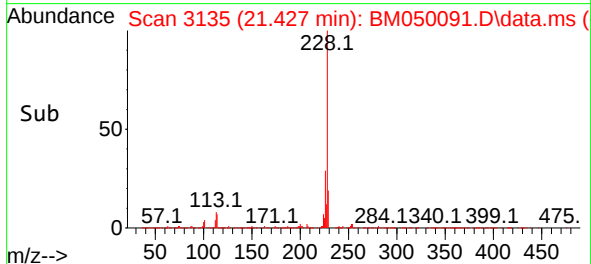
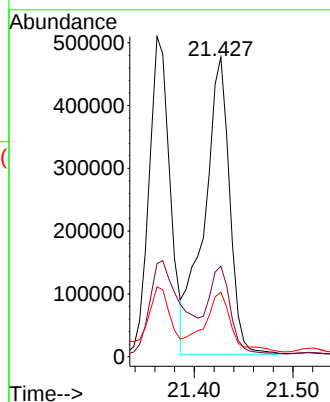
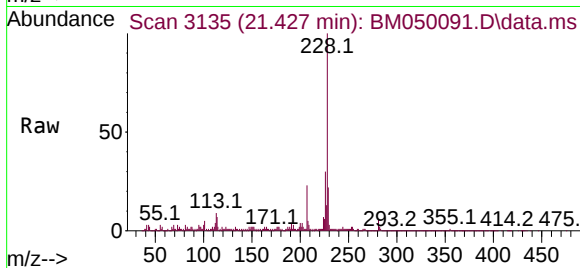
ClientSampleId :

WC-6

Tgt Ion:228 Resp: 85004
 Ion Ratio Lower Upper
 228 100
 226 30.2 24.2 36.2
 229 21.6 15.7 23.5

Manual Integrations
 APPROVED

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.780 ng

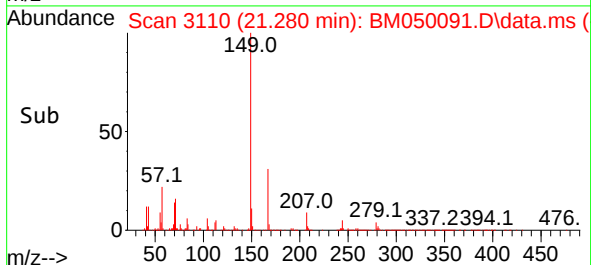
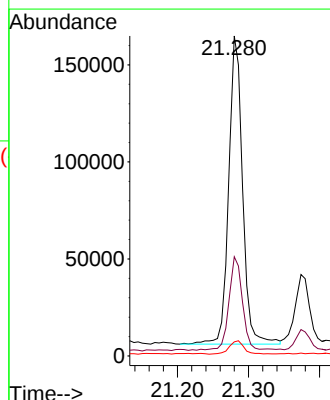
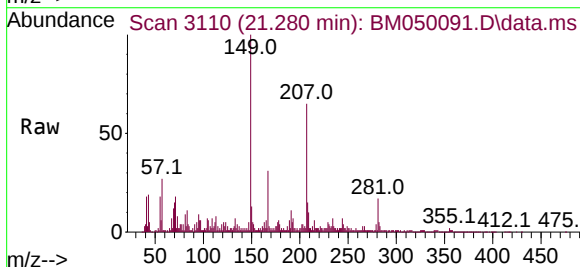
RT: 21.280 min Scan# 3110

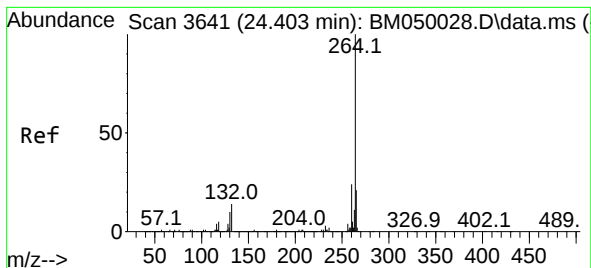
Delta R.T. -0.018 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

Tgt Ion:149 Resp: 215220
 Ion Ratio Lower Upper
 149 100
 167 31.0 24.1 36.1
 279 4.4 3.9 5.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.380 min Scan# 30

Delta R.T. -0.024 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

Instrument :

BNA_M

ClientSampleId :

WC-6

Tgt Ion:264 Resp: 152044

Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

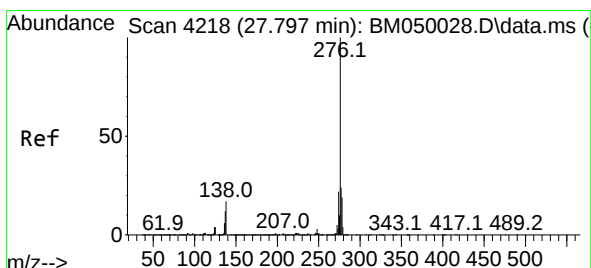
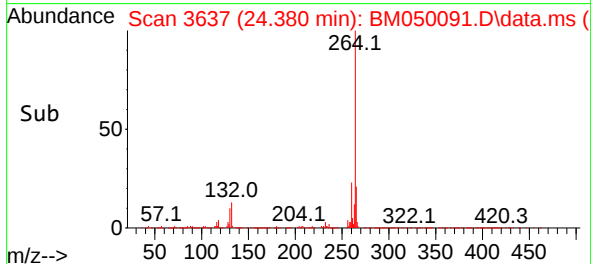
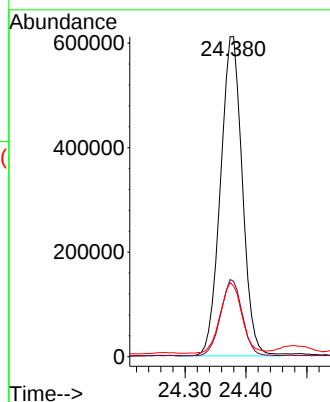
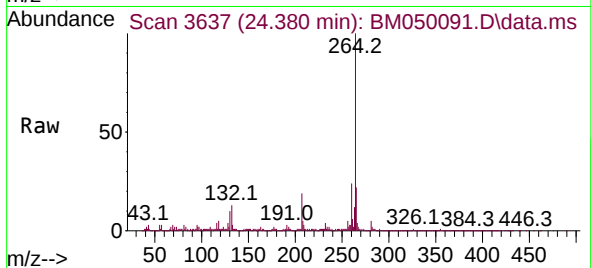
265 22.1 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.881 ng

RT: 27.756 min Scan# 4211

Delta R.T. -0.041 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

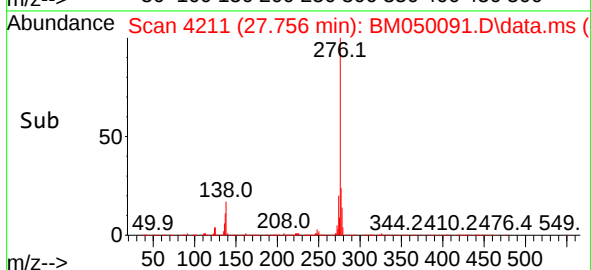
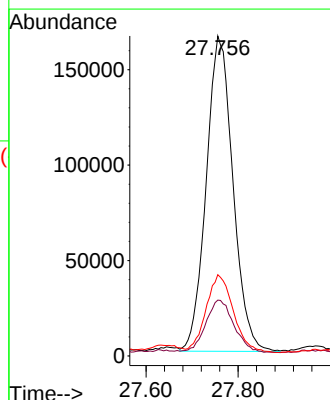
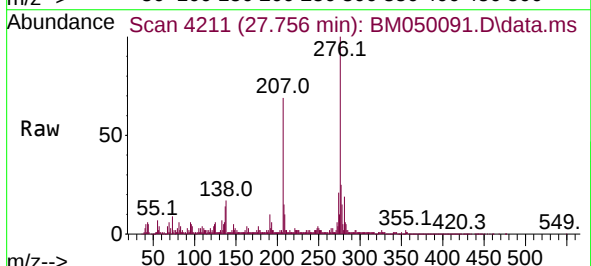
Tgt Ion:276 Resp: 666228

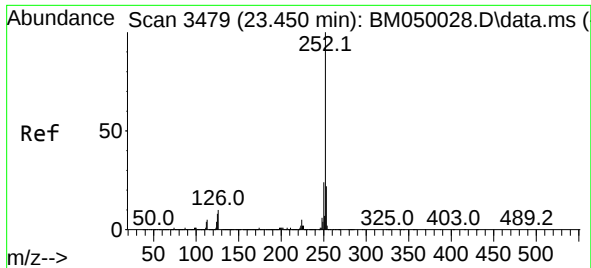
Ion Ratio Lower Upper

276 100

138 17.7 16.4 24.6

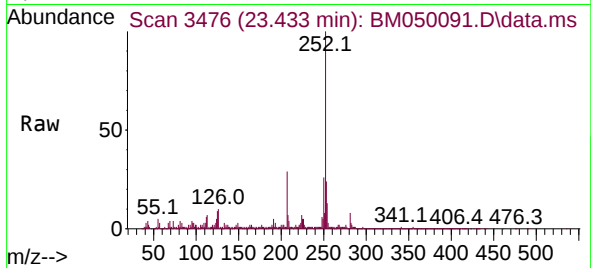
277 25.2 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 11.908 ng
RT: 23.433 min Scan# 3479
Delta R.T. -0.018 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36

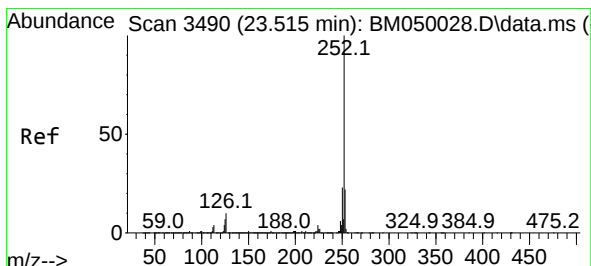
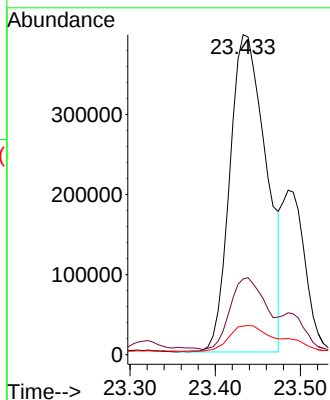
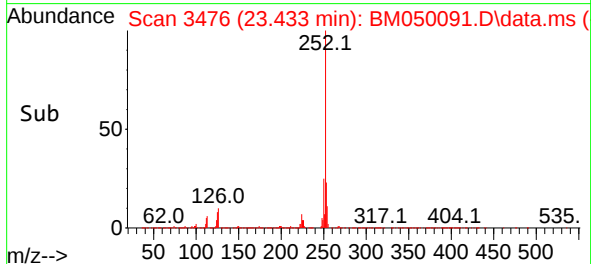
Instrument :
BNA_M
ClientSampleId :
WC-6



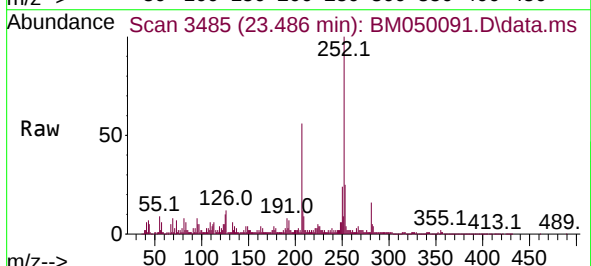
Tgt Ion:252 Resp: 117748
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 8.9 6.1 9.1

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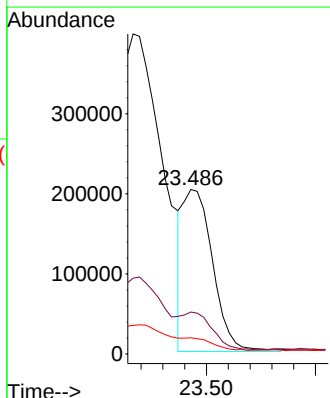
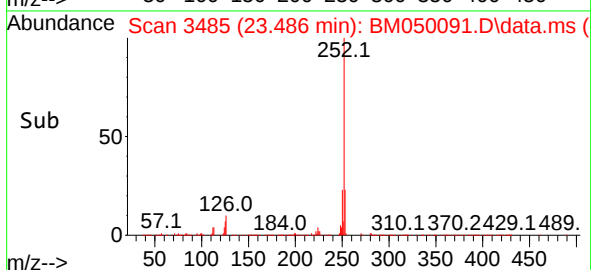
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

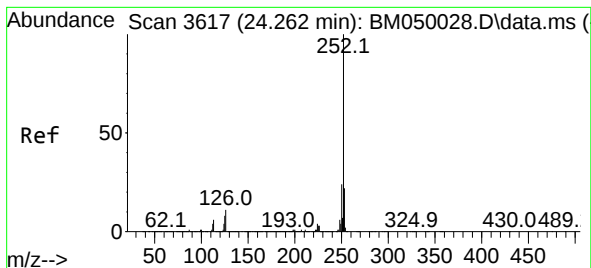


#89
Benzo(k)fluoranthene
Concen: 3.844 ng m
RT: 23.486 min Scan# 3485
Delta R.T. -0.029 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36



Tgt Ion:252 Resp: 384512
Ion Ratio Lower Upper
252 100
253 25.4 17.4 26.2
125 9.8 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 8.863 ng

RT: 24.233 min Scan# 30

Delta R.T. -0.029 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

Instrument :

BNA_M

ClientSampleId :

WC-6

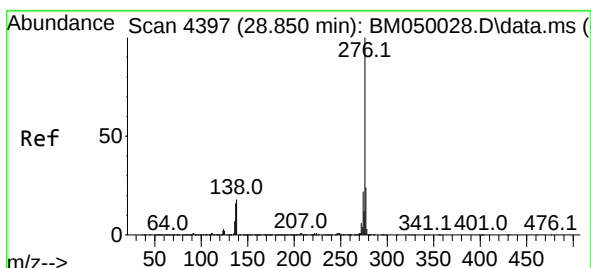
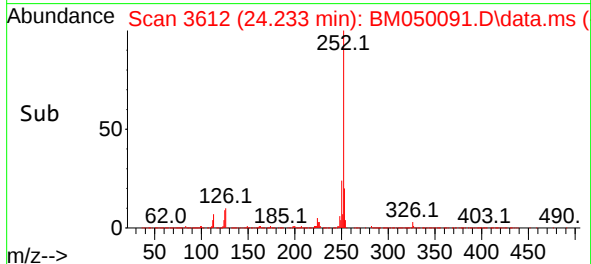
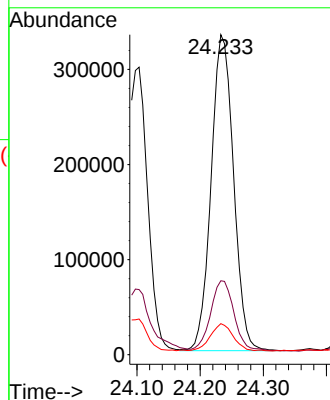
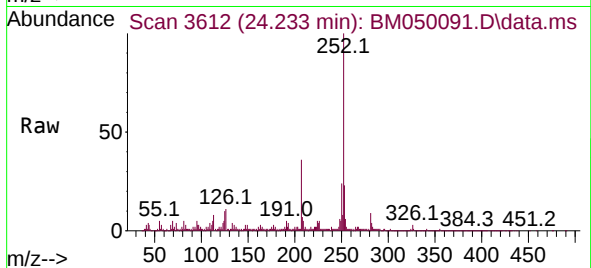
Tgt Ion:252 Resp: 82082
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.4 26.0
 125 9.7 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#92

Benzo(g,h,i)perylene

Concen: 7.904 ng

RT: 28.815 min Scan# 4391

Delta R.T. -0.035 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

Tgt Ion:276 Resp: 698826
 Ion Ratio Lower Upper
 276 100
 277 23.8 19.1 28.7
 138 18.2 14.3 21.5

