

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050070.D
 Acq On : 01 May 2025 18:41
 Operator : RC/JU
 Sample : Q1906-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-5

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/02/2025
 Supervised By :Jagrut Upadhyay 05/02/2025

Quant Time: May 02 01:11:33 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	257526	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	949425	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	650722	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1360339	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1412028	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1427016	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1185991	80.643	ng	-0.02
7) Phenol-d6	6.934	99	1716391	92.856	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1040143	53.985	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	868874	90.303	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2586974	47.030	ng	-0.02
79) Terphenyl-d14	19.768	244	4653912	48.771	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.116	152	129423	2.143	ng	100
71) Phenanthrene	17.180	178	519436	6.770	ng	99
75) Fluoranthene	19.203	202	2046371	22.717	ng	100
78) Pyrene	19.562	202	1853621	18.694	ng	100
81) Benzo(a)anthracene	21.362	228	1124504	11.565	ng	98
83) Chrysene	21.427	228	963276	10.704	ng	98
87) Indeno(1,2,3-cd)pyrene	27.744	276	679498	6.390	ng	98
88) Benzo(b)fluoranthene	23.433	252	1375074	14.817	ng	99
89) Benzo(k)fluoranthene	23.486	252	493482m	5.257	ng	
90) Benzo(a)pyrene	24.233	252	984665	11.328	ng	98
91) Dibenzo(a,h)anthracene	27.779	278	179232	2.068	ng	# 91
92) Benzo(g,h,i)perylene	28.797	276	649276	7.824	ng	99

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

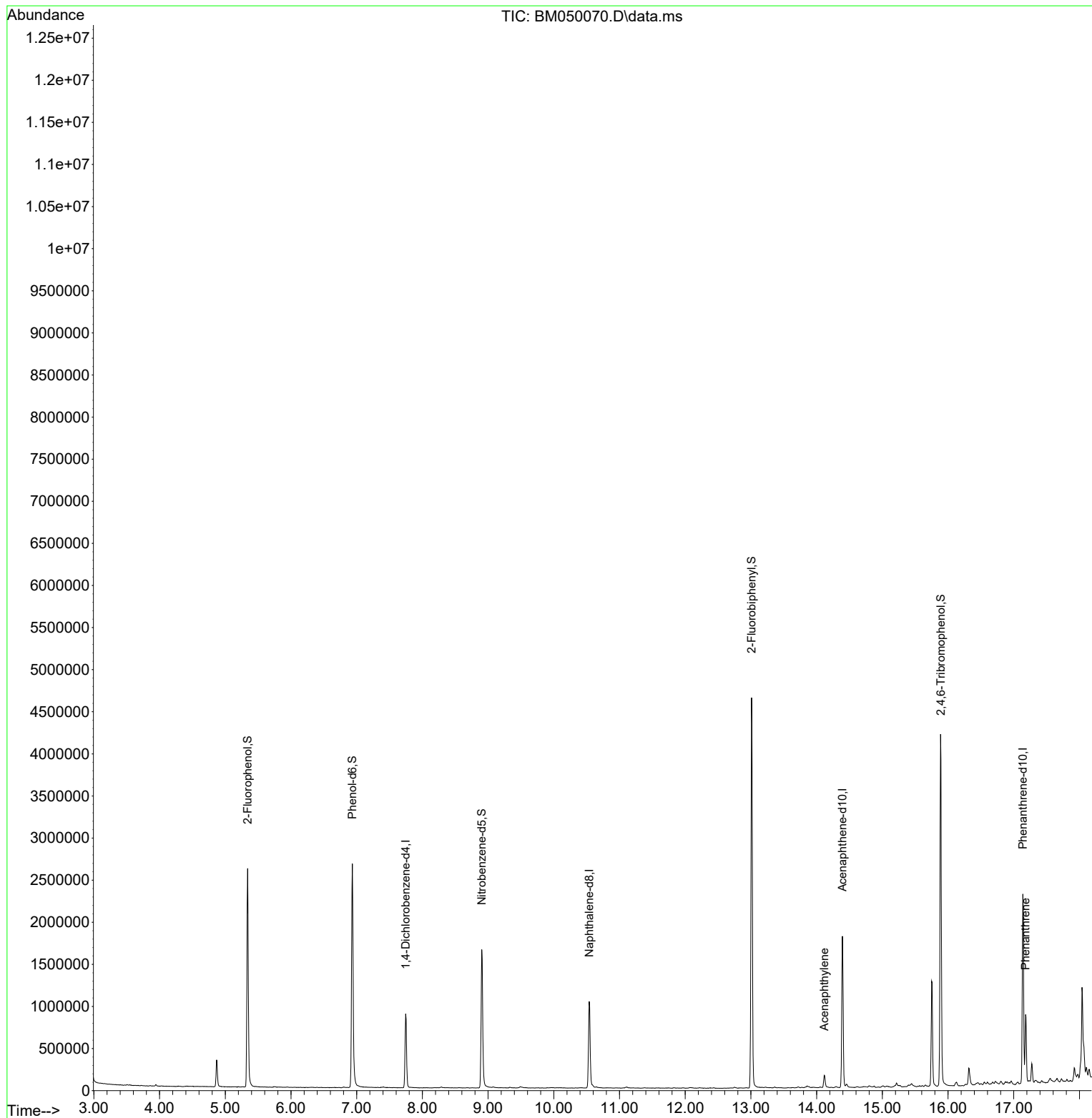
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050070.D
Acq On : 01 May 2025 18:41
Operator : RC/JU
Sample : Q1906-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-5

Quant Time: May 02 01:11:33 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

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



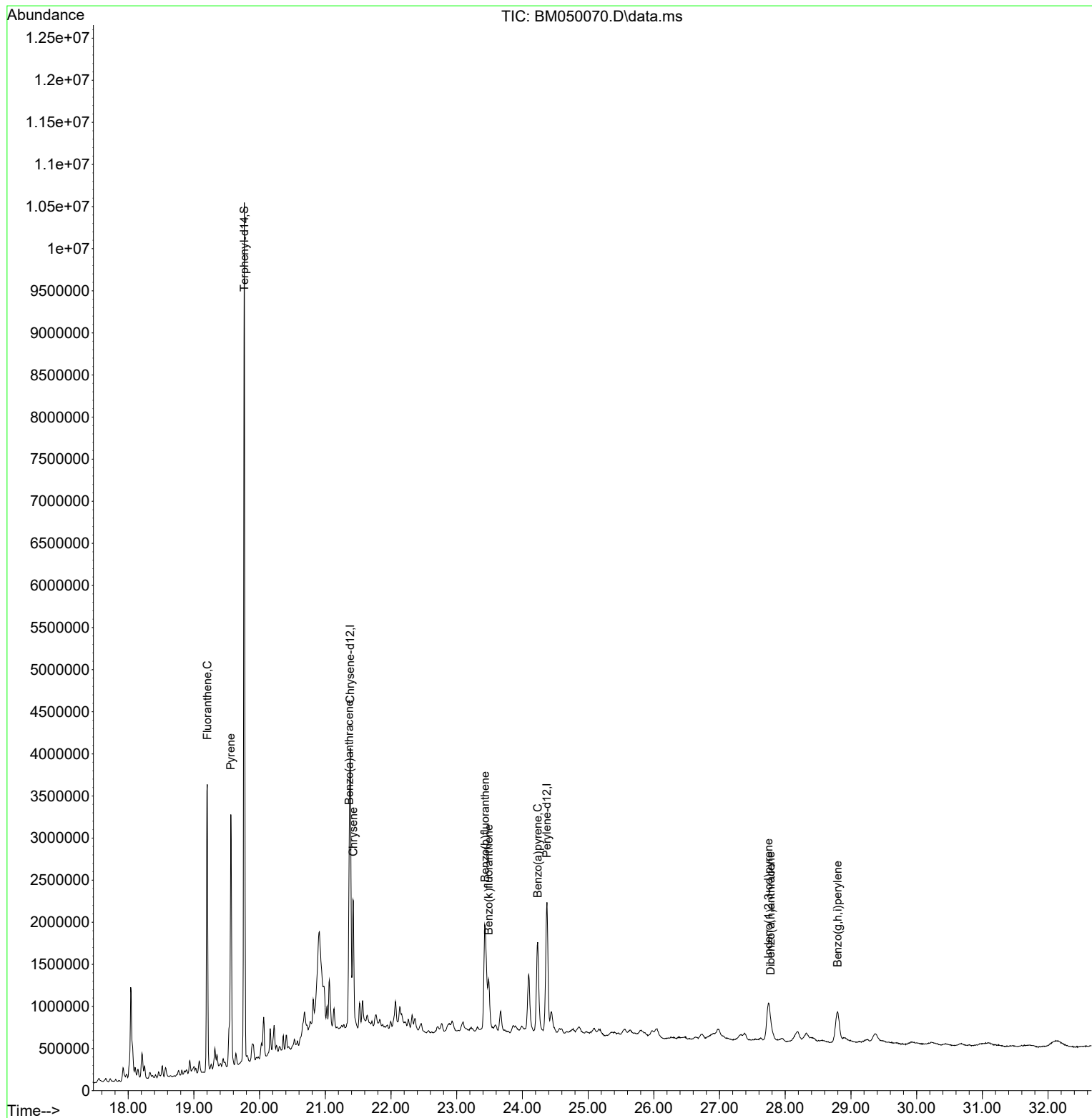
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050070.D
Acq On : 01 May 2025 18:41
Operator : RC/JU
Sample : Q1906-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-5

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

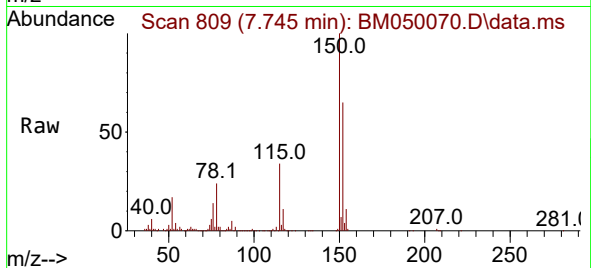
Quant Time: May 02 01:11:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050070.D
Acq: 01 May 2025 18:41

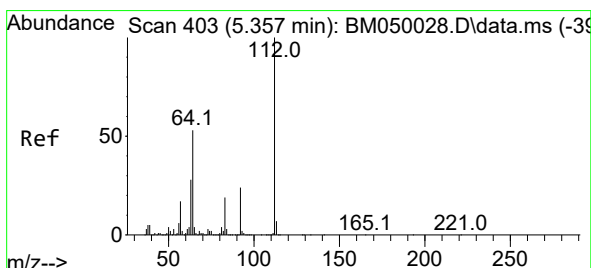
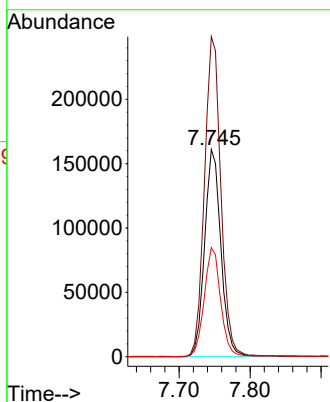
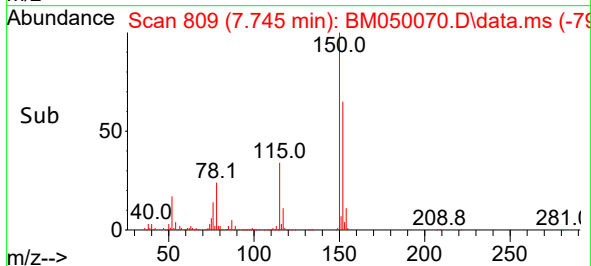
Instrument :
BNA_M
ClientSampleId :
WC-5



Tgt Ion:152 Resp: 257520
Ion Ratio Lower Upper
152 100
150 154.4 124.1 186.1
115 52.6 41.2 61.8

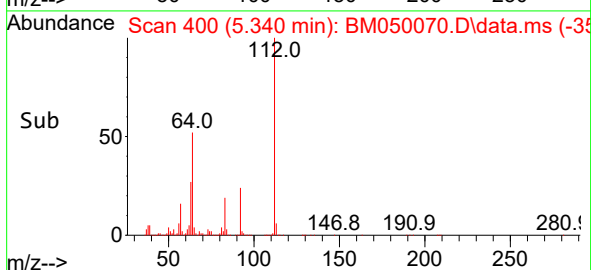
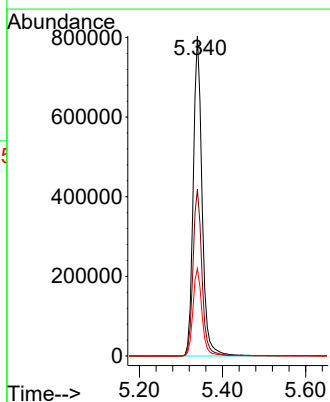
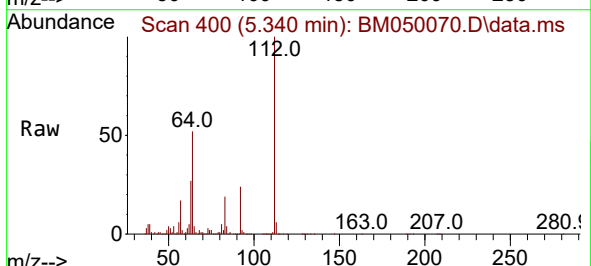
Manual Integrations
APPROVED

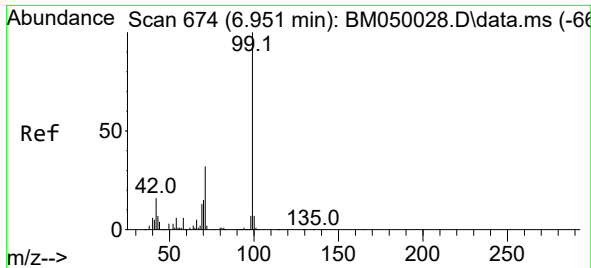
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#5
2-Fluorophenol
Concen: 80.643 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050070.D
Acq: 01 May 2025 18:41

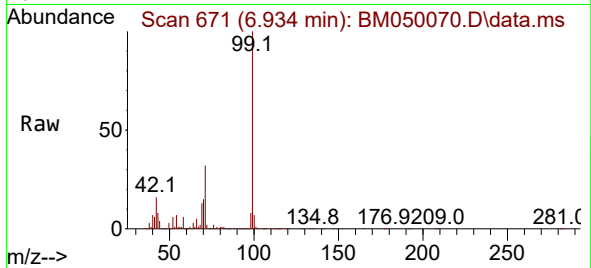
Tgt Ion:112 Resp: 1185991
Ion Ratio Lower Upper
112 100
64 52.1 42.6 64.0
63 27.3 22.2 33.4





#7
Phenol-d6
Concen: 92.856 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050070.D
Acq: 01 May 2025 18:41

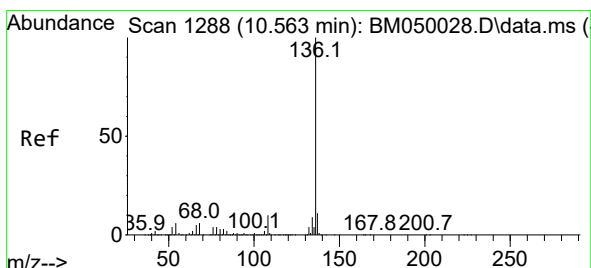
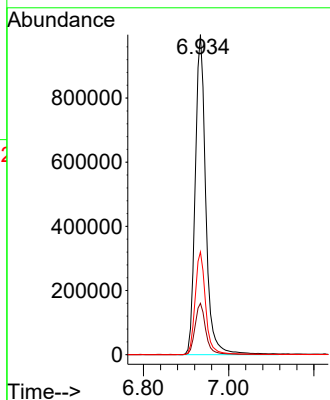
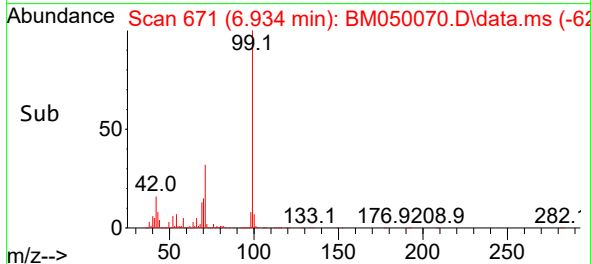
Instrument :
BNA_M
ClientSampleId :
WC-5



Tgt Ion: 99 Resp: 171639
Ion Ratio Lower Upper
99 100
42 16.0 13.0 19.4
71 32.1 25.6 38.4

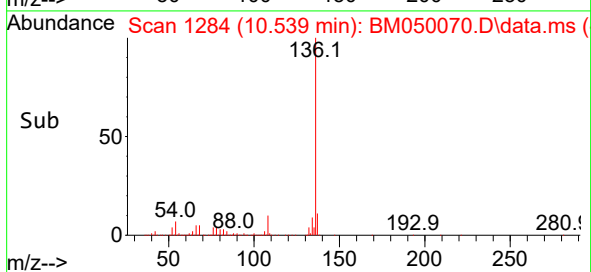
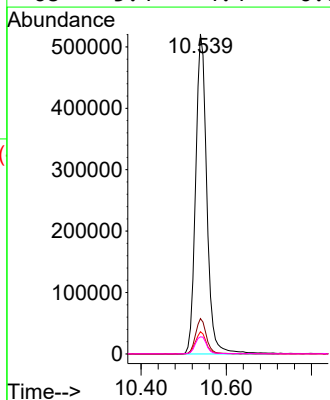
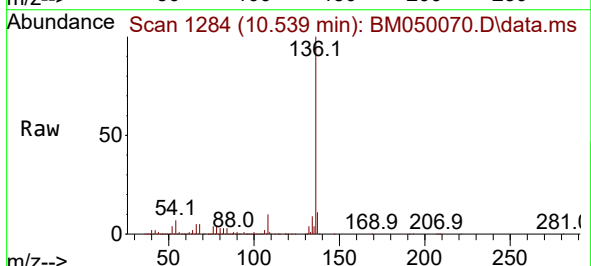
Manual Integrations
APPROVED

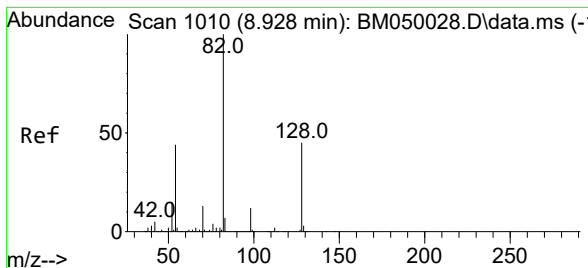
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050070.D
Acq: 01 May 2025 18:41

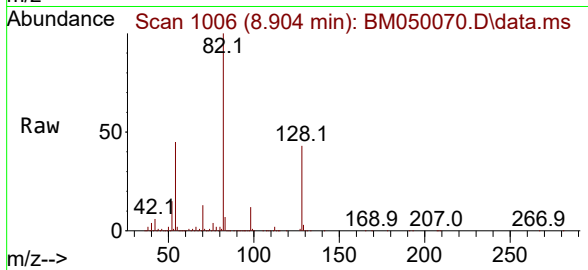
Tgt Ion:136 Resp: 949425
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.0 5.1 7.7
68 5.4 4.4 6.6





#23
Nitrobenzene-d5
Concen: 53.985 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050070.D
Acq: 01 May 2025 18:41

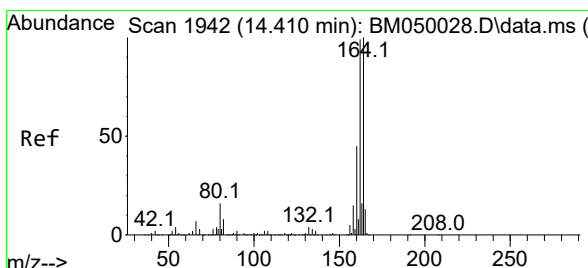
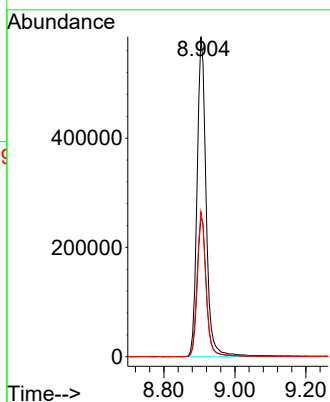
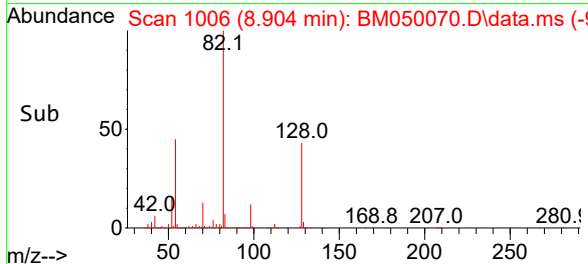
Instrument :
BNA_M
ClientSampleId :
WC-5



Tgt Ion: 82 Resp: 104014
Ion Ratio Lower Upper
82 100
128 43.4 35.7 53.5
54 45.4 35.4 53.2

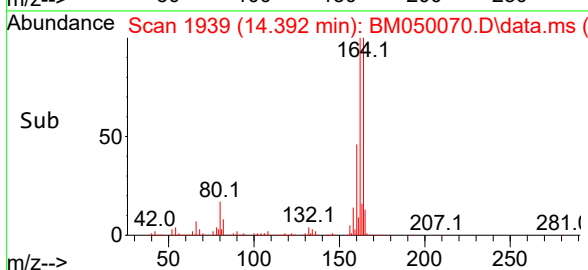
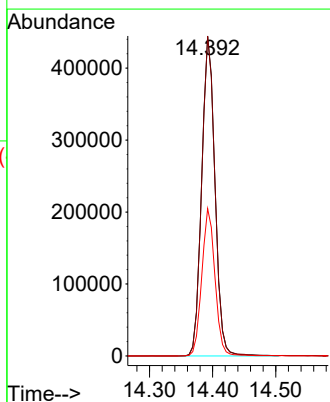
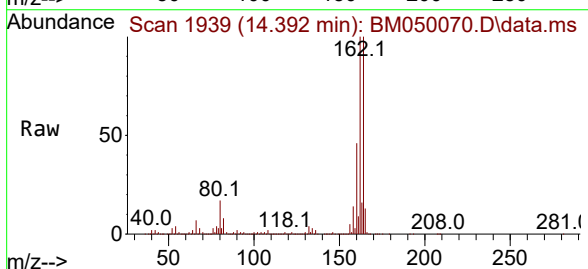
Manual Integrations
APPROVED

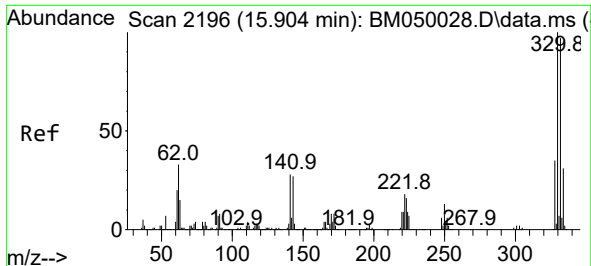
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050070.D
Acq: 01 May 2025 18:41

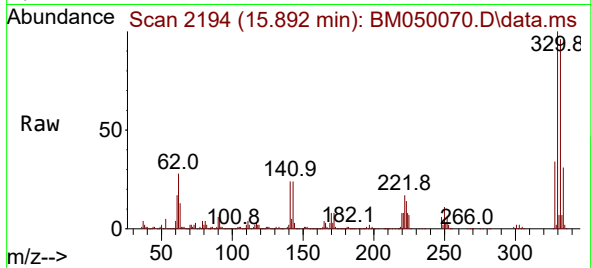
Tgt Ion:164 Resp: 650722
Ion Ratio Lower Upper
164 100
162 100.2 79.4 119.0
160 46.2 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 90.303 ng
RT: 15.892 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM050070.D
Acq: 01 May 2025 18:41

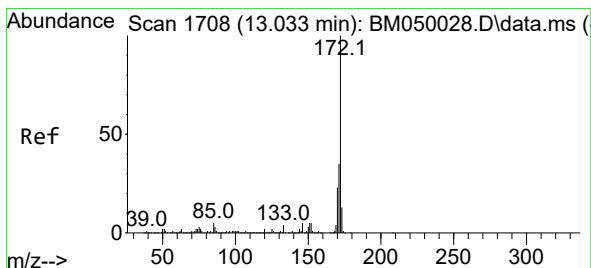
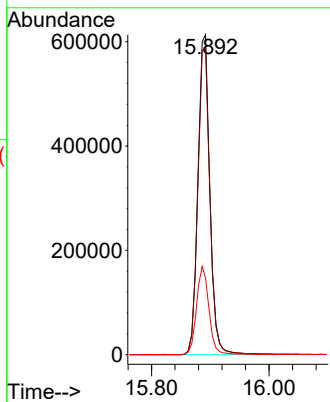
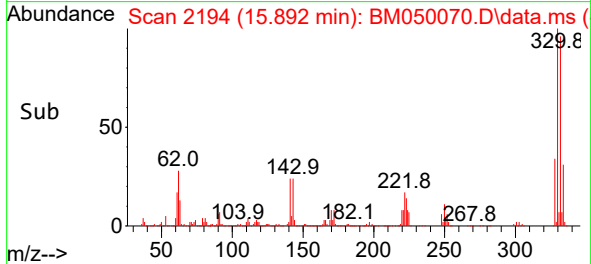
Instrument :
BNA_M
ClientSampleId :
WC-5



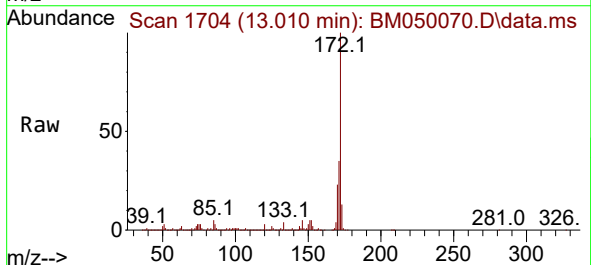
Tgt Ion:330 Resp: 868874
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 28.4 22.5 33.7

Manual Integrations
APPROVED

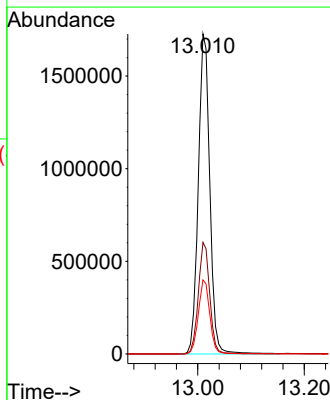
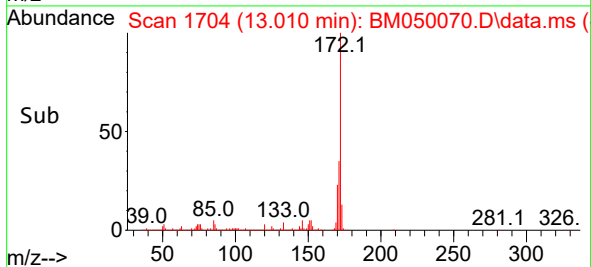
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

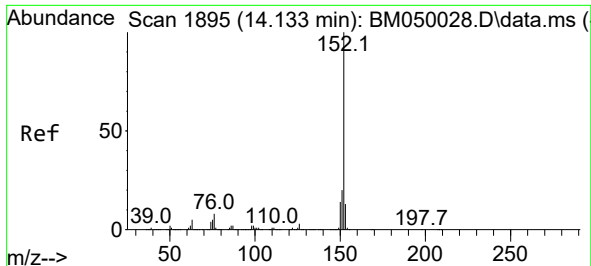


#45
2-Fluorobiphenyl
Concen: 47.030 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050070.D
Acq: 01 May 2025 18:41



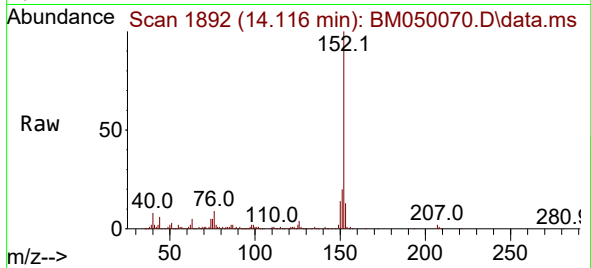
Tgt Ion:172 Resp: 2586974
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 23.2 18.6 28.0





#49
Acenaphthylene
Concen: 2.143 ng
RT: 14.116 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM050070.D
Acq: 01 May 2025 18:41

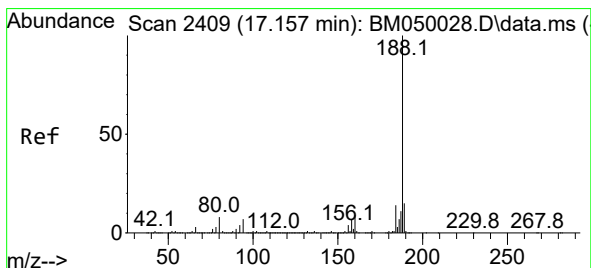
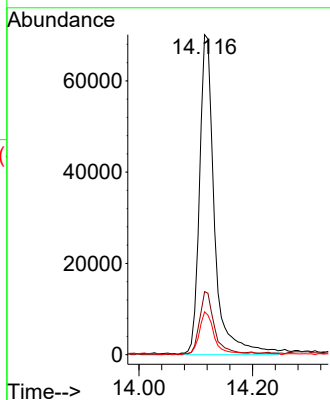
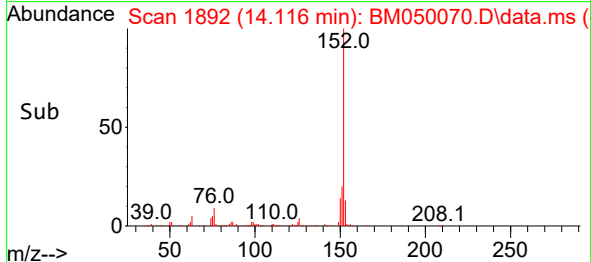
Instrument :
BNA_M
ClientSampleId :
WC-5



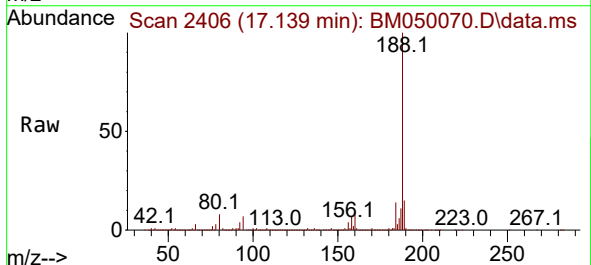
Tgt Ion:152 Resp: 12942
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.8
153 13.4 10.6 15.8

Manual Integrations
APPROVED

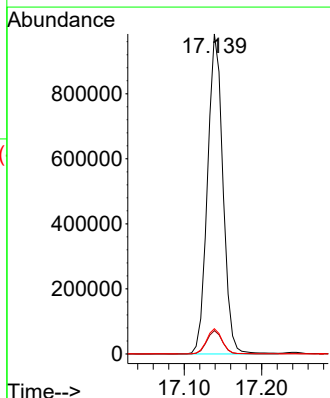
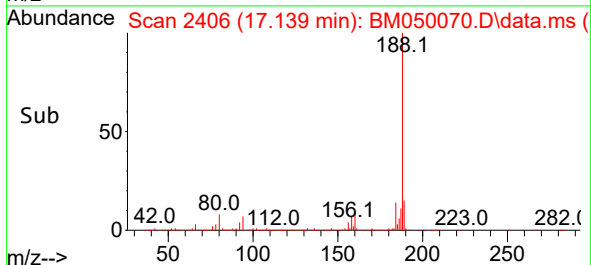
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

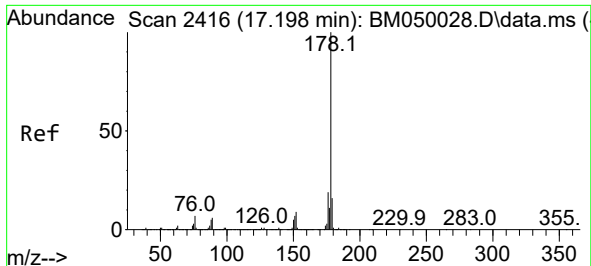


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050070.D
Acq: 01 May 2025 18:41



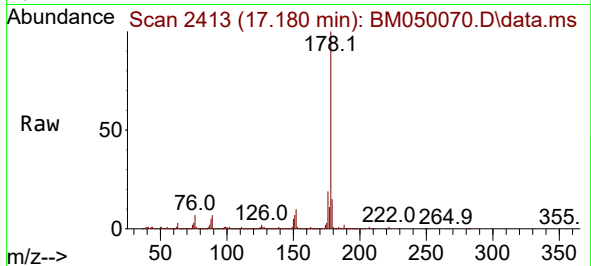
Tgt Ion:188 Resp: 1360339
Ion Ratio Lower Upper
188 100
94 7.3 5.7 8.5
80 7.9 6.2 9.4





#71
Phenanthrene
Concen: 6.770 ng
RT: 17.180 min Scan# 2416
Delta R.T. -0.018 min
Lab File: BM050070.D
Acq: 01 May 2025 18:41

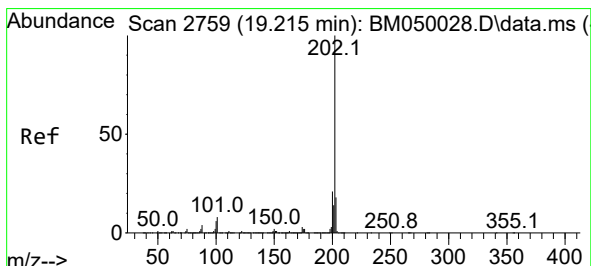
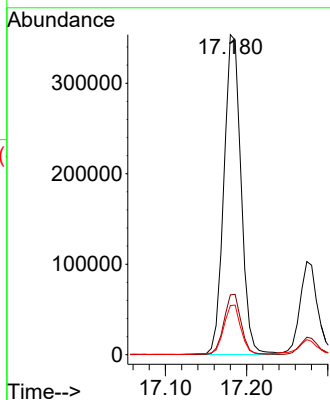
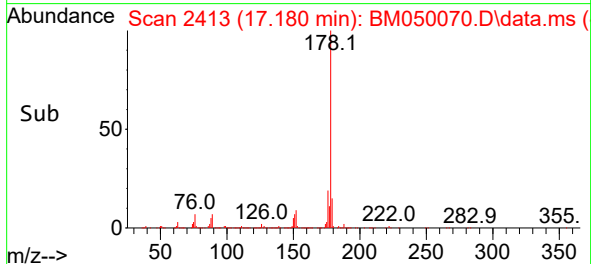
Instrument :
BNA_M
ClientSampleId :
WC-5



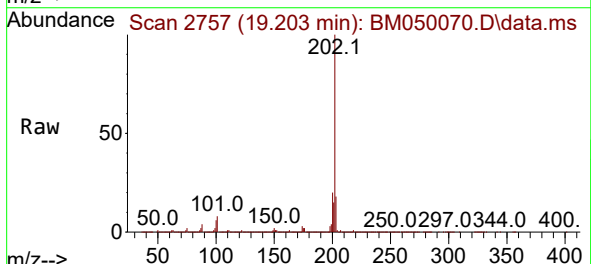
Tgt Ion:178 Resp: 519430
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.4 12.4 18.6

Manual Integrations
APPROVED

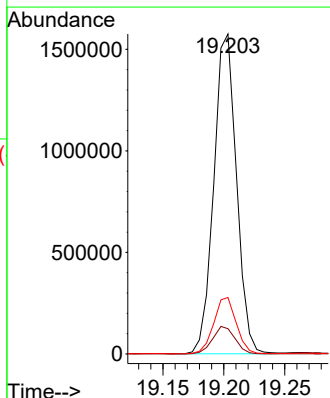
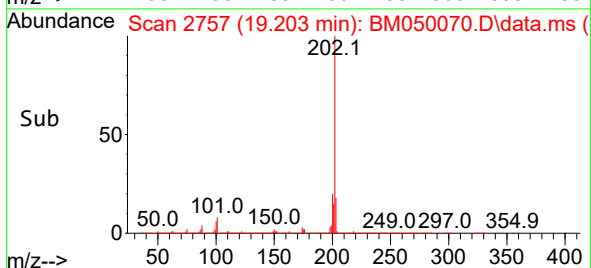
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

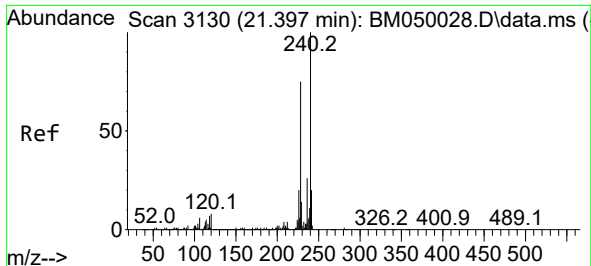


#75
Fluoranthene
Concen: 22.717 ng
RT: 19.203 min Scan# 2757
Delta R.T. -0.012 min
Lab File: BM050070.D
Acq: 01 May 2025 18:41



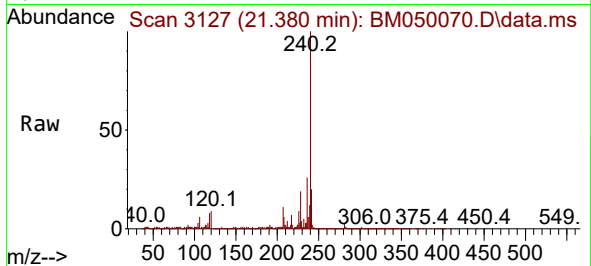
Tgt Ion:202 Resp: 2046371
Ion Ratio Lower Upper
202 100
101 7.9 0.0 28.0
203 17.7 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3130
Delta R.T. -0.017 min
Lab File: BM050070.D
Acq: 01 May 2025 18:41

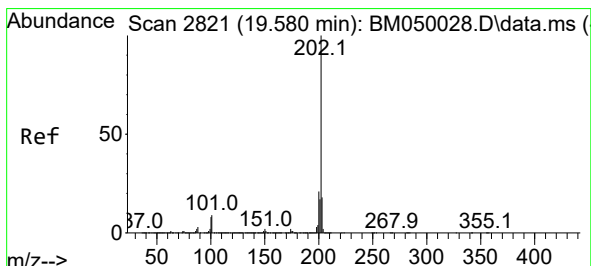
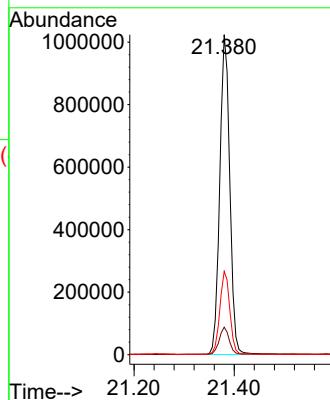
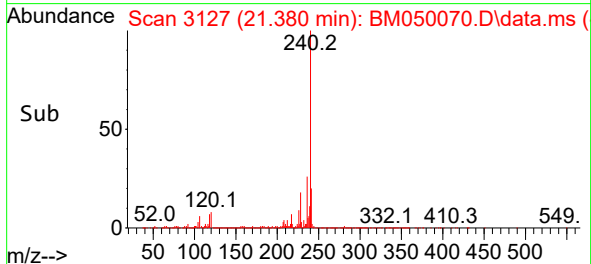
Instrument :
BNA_M
ClientSampleId :
WC-5



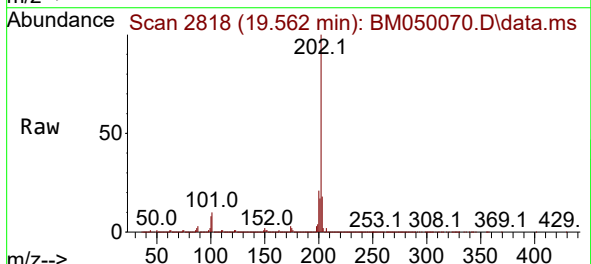
Tgt Ion:240 Resp: 1412028
Ion Ratio Lower Upper
240 100
120 8.6 6.5 9.7
236 26.1 20.9 31.3

Manual Integrations
APPROVED

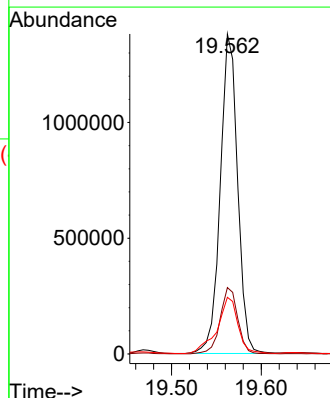
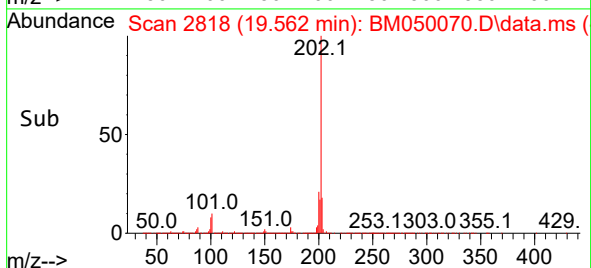
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

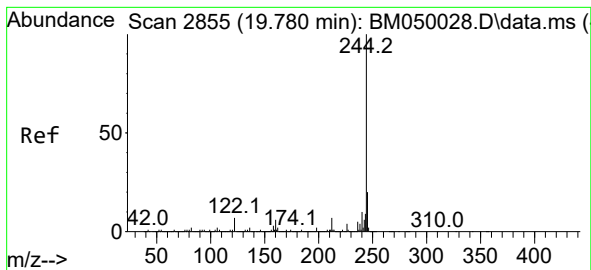


#78
Pyrene
Concen: 18.694 ng
RT: 19.562 min Scan# 2818
Delta R.T. -0.018 min
Lab File: BM050070.D
Acq: 01 May 2025 18:41



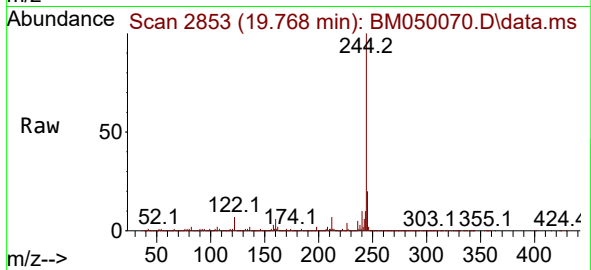
Tgt Ion:202 Resp: 1853621
Ion Ratio Lower Upper
202 100
200 20.7 16.7 25.1
203 17.7 14.1 21.1





#79
 Terphenyl-d14
 Concen: 48.771 ng
 RT: 19.768 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050070.D
 Acq: 01 May 2025 18:41

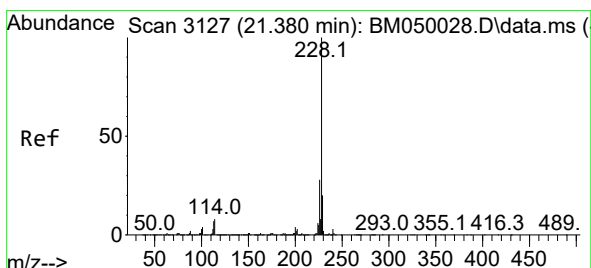
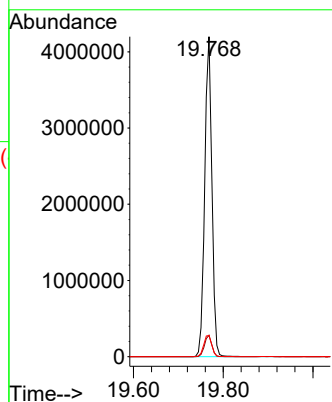
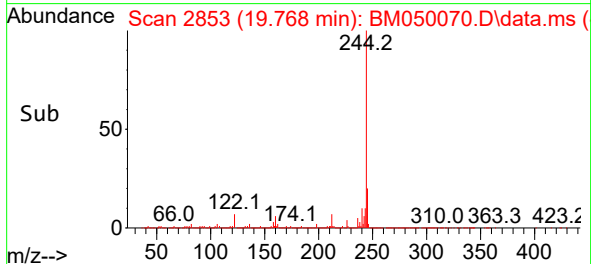
Instrument :
 BNA_M
 ClientSampleId :
 WC-5



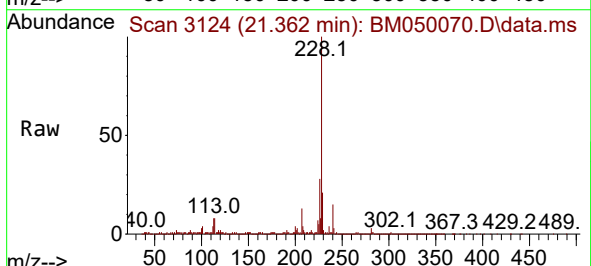
Tgt Ion:244 Resp: 4653912
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 6.6 5.6 8.4

Manual Integrations
 APPROVED

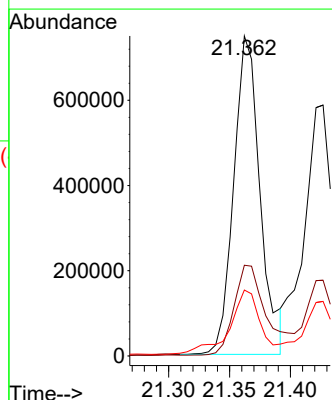
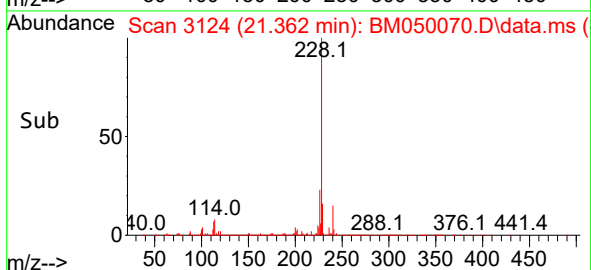
Reviewed By :Rahul Chavli 05/02/2025
 Supervised By :Jagrut Upadhyay 05/02/2025

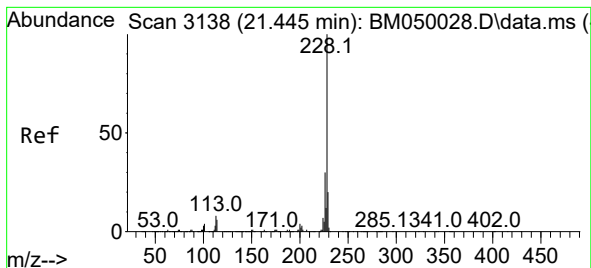


#81
 Benzo(a)anthracene
 Concen: 11.565 ng
 RT: 21.362 min Scan# 3124
 Delta R.T. -0.018 min
 Lab File: BM050070.D
 Acq: 01 May 2025 18:41



Tgt Ion:228 Resp: 1124504
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.1 33.1
 229 20.6 15.7 23.5





#83

Chrysene

Concen: 10.704 ng

RT: 21.427 min Scan# 3138

Delta R.T. -0.018 min

Lab File: BM050070.D

Acq: 01 May 2025 18:41

Instrument :

BNA_M

ClientSampleId :

WC-5

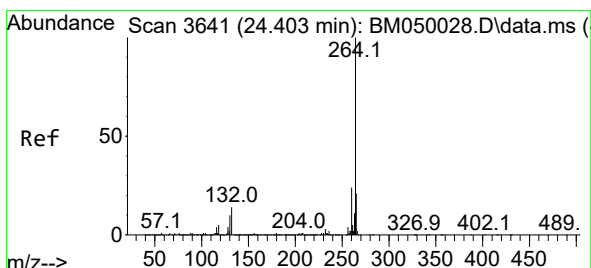
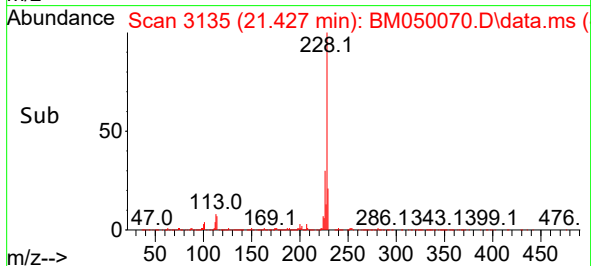
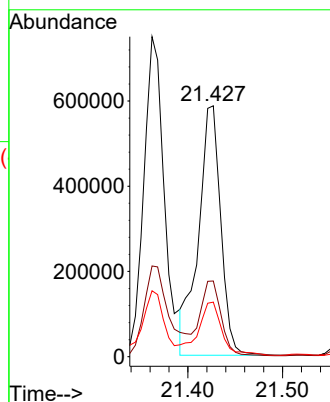
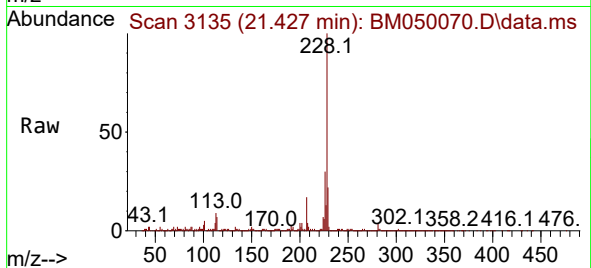
Tgt Ion:228 Resp: 963270
 Ion Ratio Lower Upper
 228 100
 226 30.2 24.2 36.2
 229 21.7 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025



#86

Perylene-d12

Concen: 20.000 ng

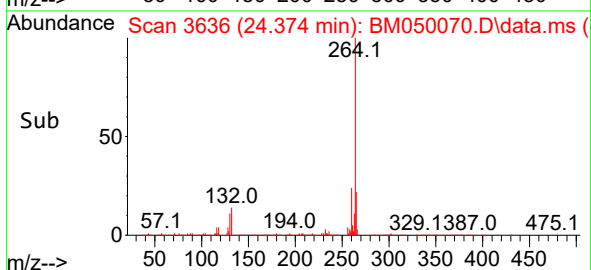
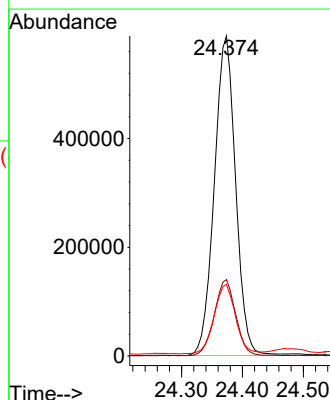
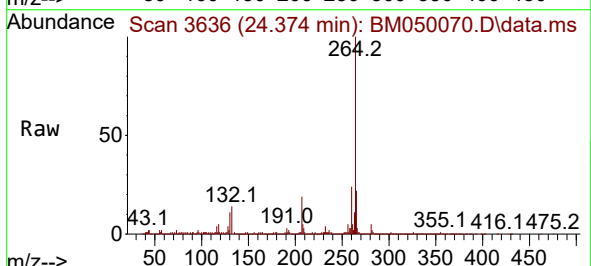
RT: 24.374 min Scan# 3636

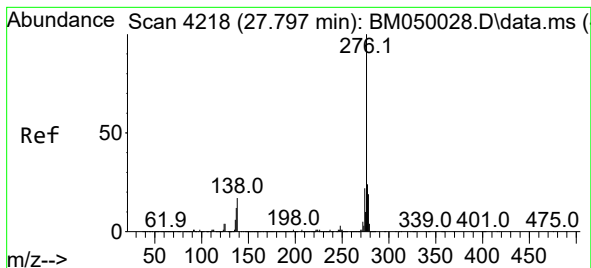
Delta R.T. -0.029 min

Lab File: BM050070.D

Acq: 01 May 2025 18:41

Tgt Ion:264 Resp: 1427016
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.8 28.2
 265 22.4 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.390 ng

RT: 27.744 min Scan# 4218

Delta R.T. -0.053 min

Lab File: BM050070.D

Acq: 01 May 2025 18:41

Instrument :

BNA_M

ClientSampleId :

WC-5

Tgt Ion:276 Resp: 679498

Ion Ratio Lower Upper

276 100

138 18.3 16.4 24.6

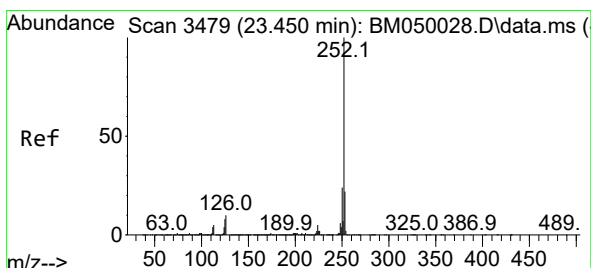
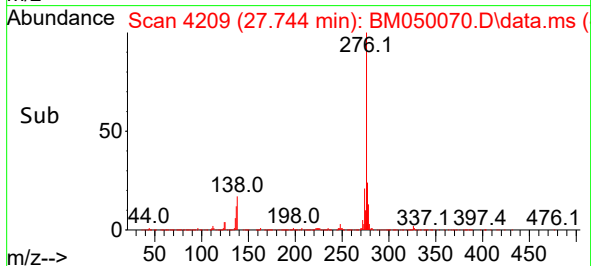
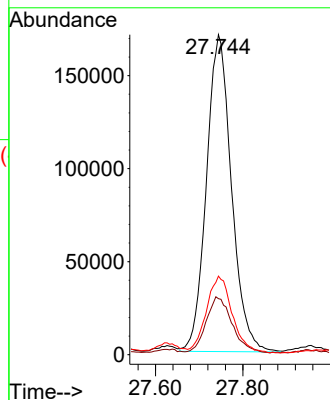
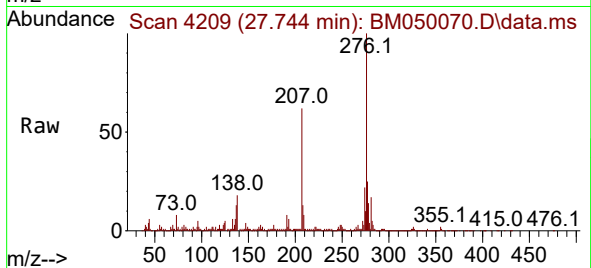
277 24.8 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025



#88

Benzo(b)fluoranthene

Concen: 14.817 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.018 min

Lab File: BM050070.D

Acq: 01 May 2025 18:41

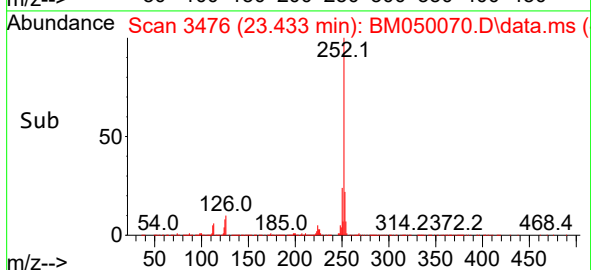
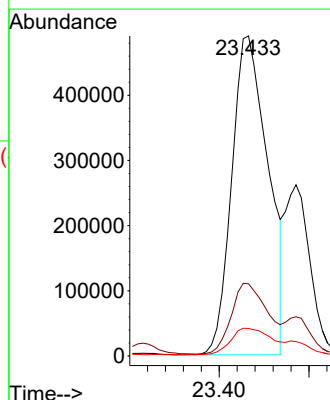
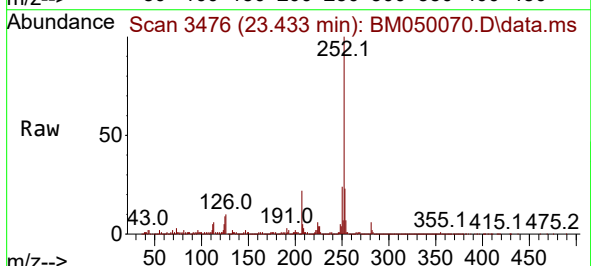
Tgt Ion:252 Resp: 1375074

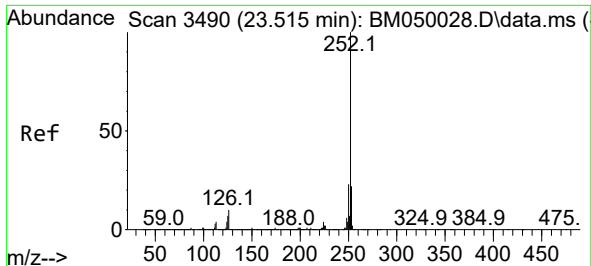
Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

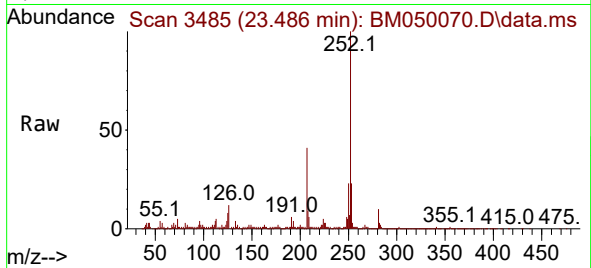
125 8.6 6.1 9.1





#89
Benzo(k)fluoranthene
Concen: 5.257 ng m
RT: 23.486 min Scan# 3490
Delta R.T. -0.029 min
Lab File: BM050070.D
Acq: 01 May 2025 18:41

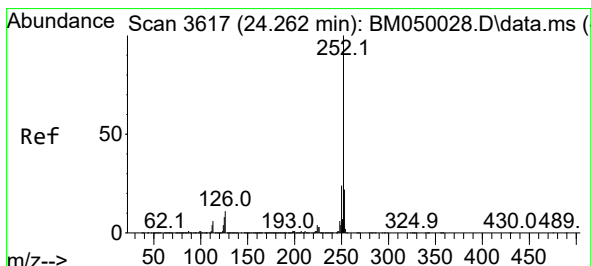
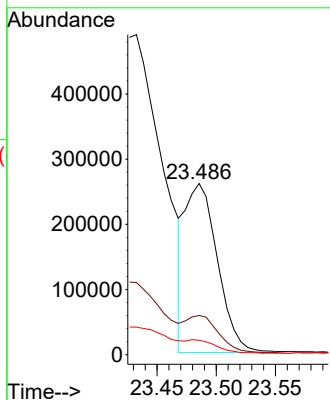
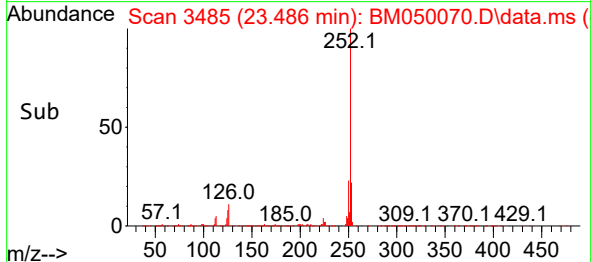
Instrument :
BNA_M
ClientSampleId :
WC-5



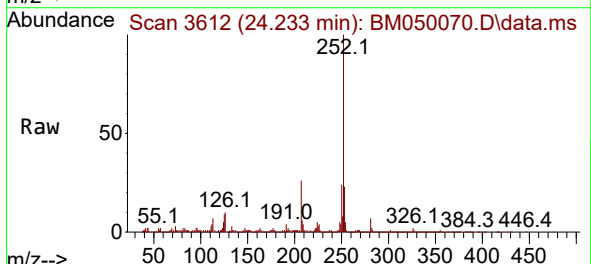
Tgt Ion:252 Resp: 493482
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 8.5 5.8 8.8

Manual Integrations
APPROVED

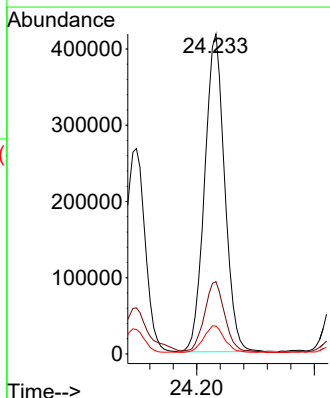
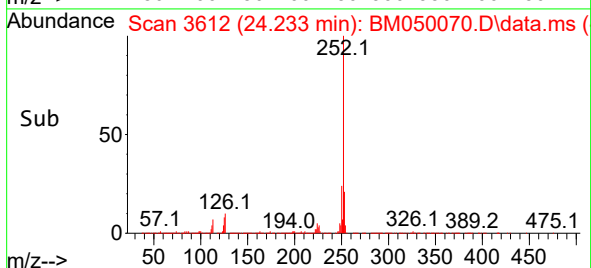
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

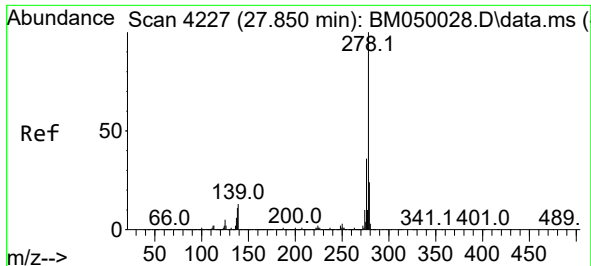


#90
Benzo(a)pyrene
Concen: 11.328 ng
RT: 24.233 min Scan# 3612
Delta R.T. -0.029 min
Lab File: BM050070.D
Acq: 01 May 2025 18:41



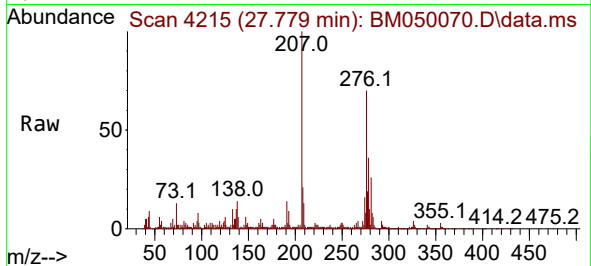
Tgt Ion:252 Resp: 984665
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 8.7 6.6 9.8





#91
Dibenzo(a,h)anthracene
Concen: 2.068 ng
RT: 27.779 min Scan# 41
Delta R.T. -0.071 min
Lab File: BM050070.D
Acq: 01 May 2025 18:41

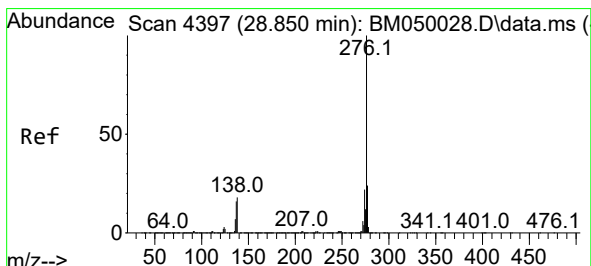
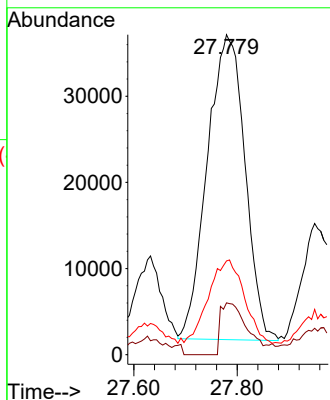
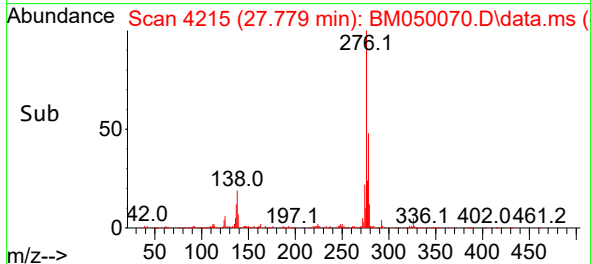
Instrument :
BNA_M
ClientSampleId :
WC-5



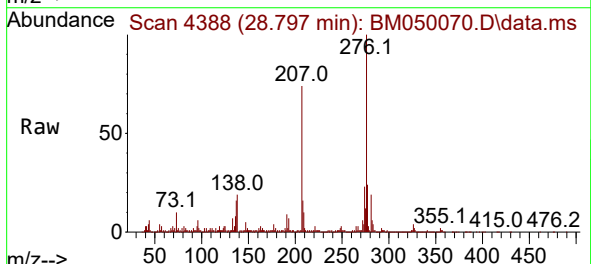
Tgt Ion:278 Resp: 17923
Ion Ratio Lower Upper
278 100
139 16.2 10.5 15.7
279 29.3 19.4 29.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#92
Benzo(g,h,i)perylene
Concen: 7.824 ng
RT: 28.797 min Scan# 4388
Delta R.T. -0.053 min
Lab File: BM050070.D
Acq: 01 May 2025 18:41



Tgt Ion:276 Resp: 649276
Ion Ratio Lower Upper
276 100
277 24.2 19.1 28.7
138 18.7 14.3 21.5

