

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
 Data File : BM049805.D
 Acq On : 03 Apr 2025 14:37
 Operator : RC/JU
 Sample : Q1693-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WCS-TP-2

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/04/2025
 Supervised By :Jagrut Upadhyay 04/04/2025

Quant Time: Apr 03 15:23:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 13 14:55:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.786	152	293955	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	1005562	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	643411	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1278391	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1280864	20.000	ng	-0.02
86) Perylene-d12	24.403	264	1344709	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	2171640	124.654	ng	-0.02
7) Phenol-d6	6.957	99	2752779	125.911	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1632457	83.350	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	1167873	155.445	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	3919344	76.289	ng	-0.02
79) Terphenyl-d14	19.792	244	6275470	82.561	ng	-0.02
Target Compounds						Qvalue
78) Pyrene	19.586	202	182254	2.037	ng	98
81) Benzo(a)anthracene	21.386	228	189944m	2.220	ng	
83) Chrysene	21.444	228	192251	2.371	ng	97
88) Benzo(b)fluoranthene	23.456	252	300655	3.320	ng	99
90) Benzo(a)pyrene	24.256	252	302907	3.982	ng	98
92) Benzo(g,h,i)perylene	28.814	276	192972	2.376	ng	98

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

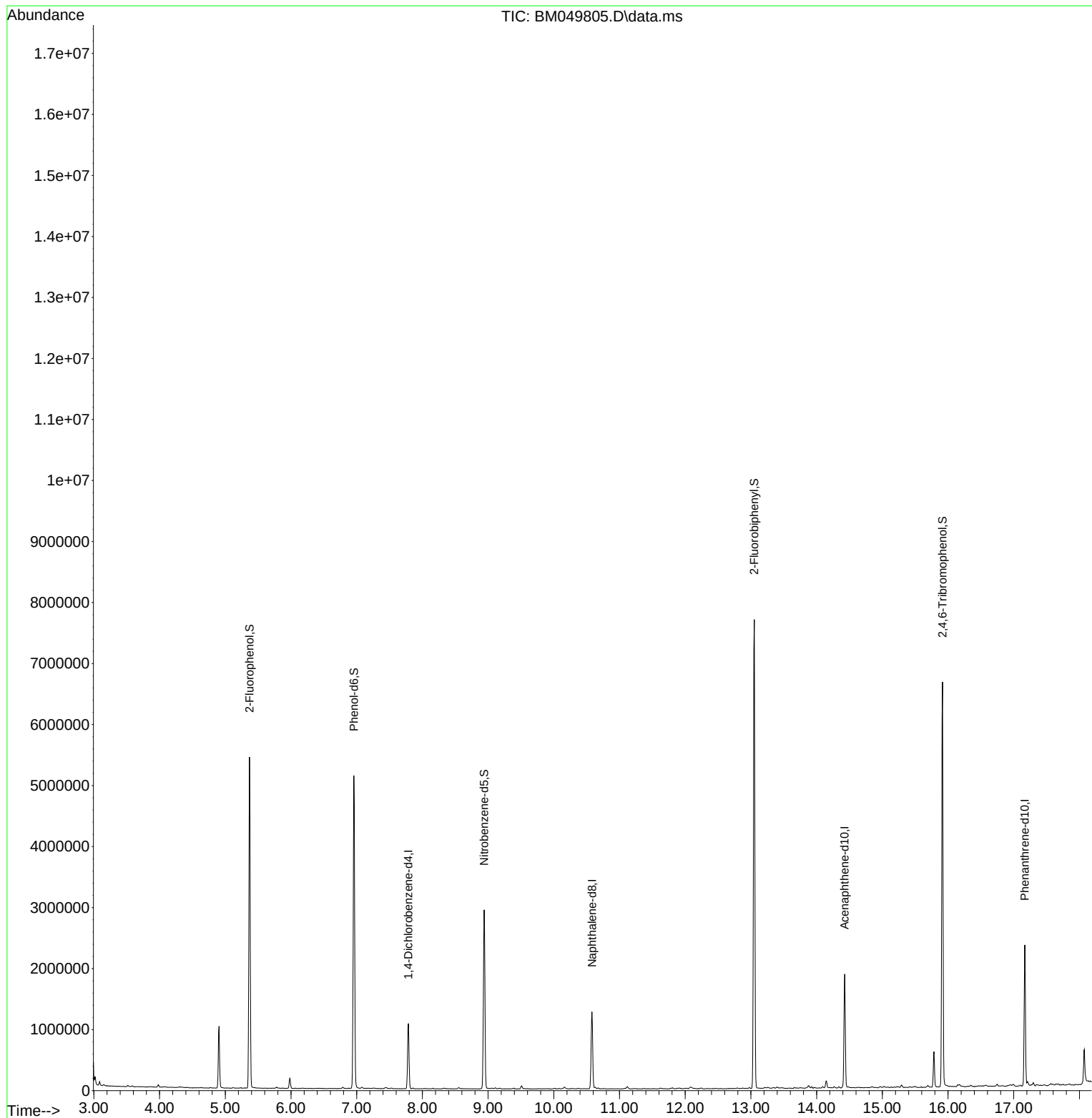
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
Data File : BM049805.D
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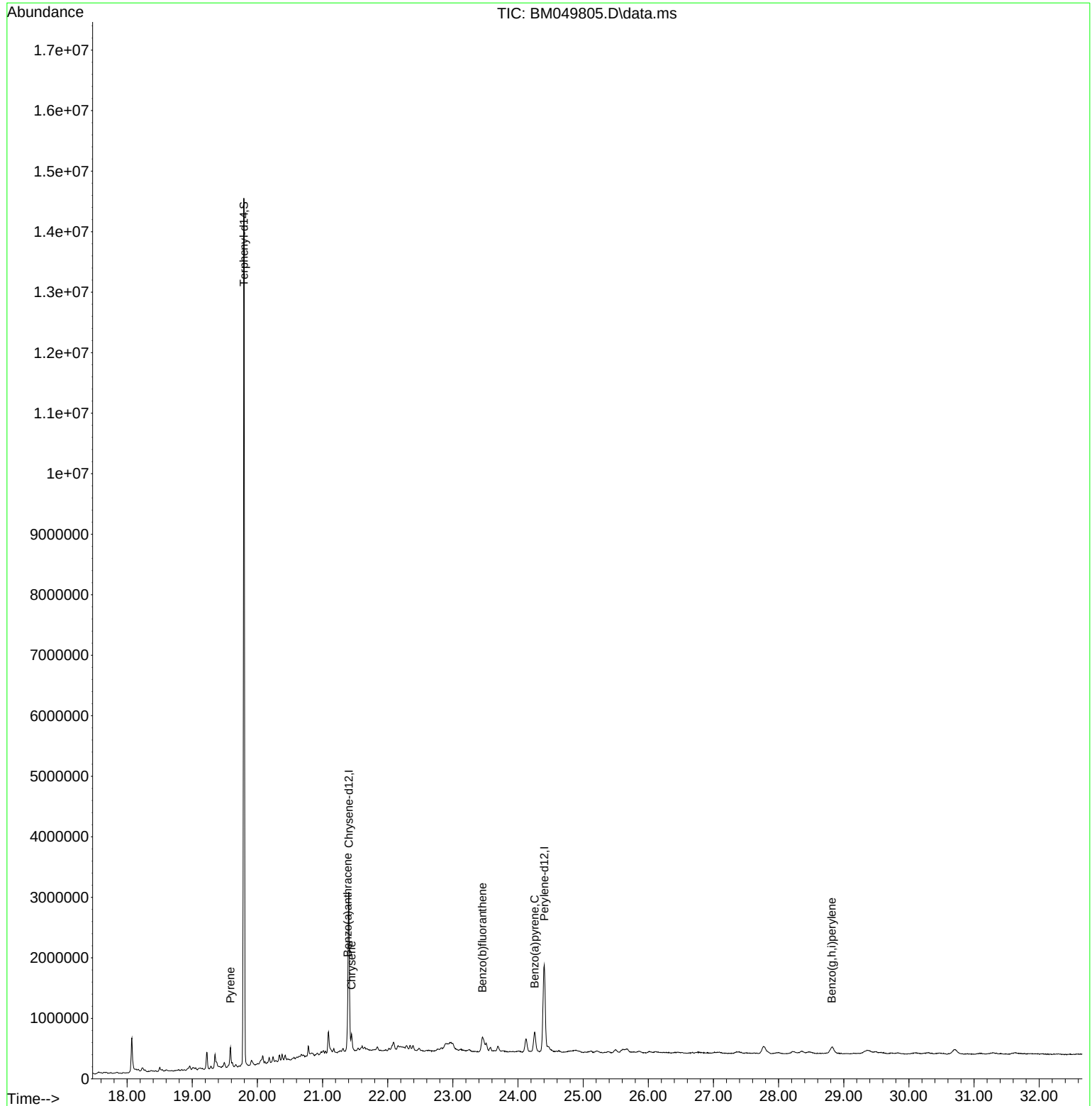
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
Data File : BM049805.D
Acq On : 03 Apr 2025 14:37
Operator : RC/JU
Sample : Q1693-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

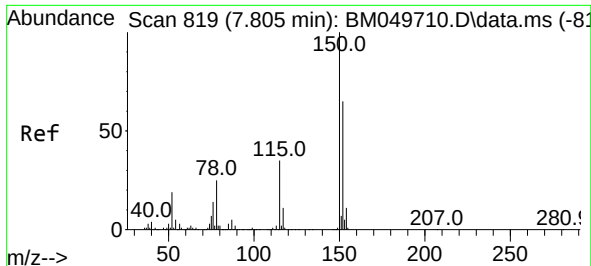
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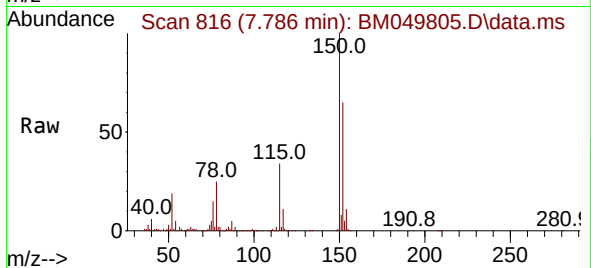
Quant Time: Apr 03 15:23:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.786 min Scan# 81
Delta R.T. -0.019 min
Lab File: BM049805.D
Acq: 03 Apr 2025 14:37

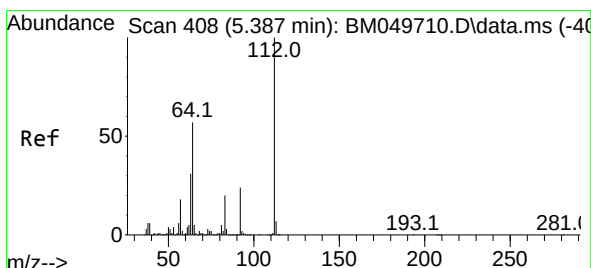
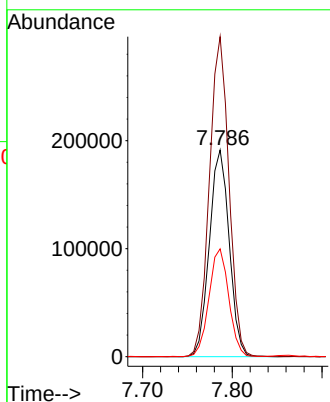
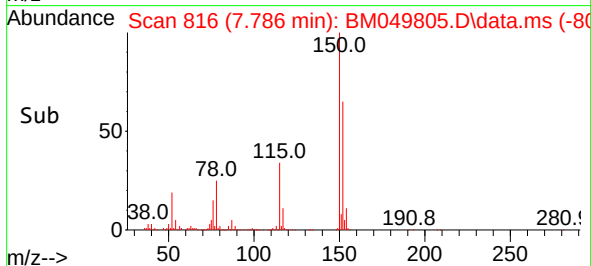
Instrument :
BNA_M
ClientSampleId :
WCS-TP-2



Tgt Ion:152 Resp: 29395
Ion Ratio Lower Upper
152 100
150 154.8 123.8 185.8
115 52.1 43.0 64.6

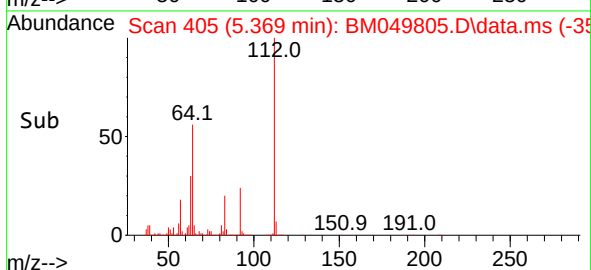
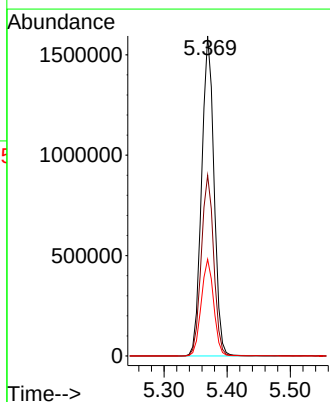
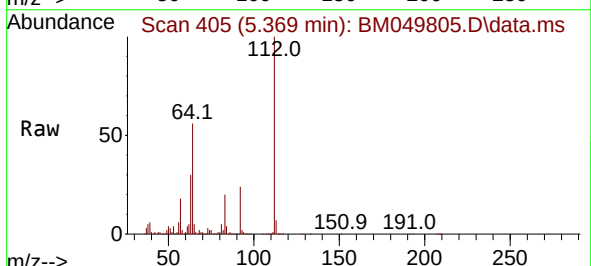
Manual Integrations
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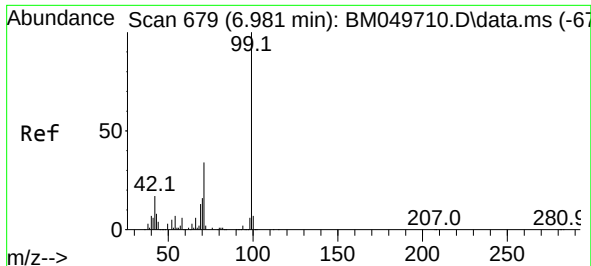
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025



#5
2-Fluorophenol
Concen: 124.654 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049805.D
Acq: 03 Apr 2025 14:37

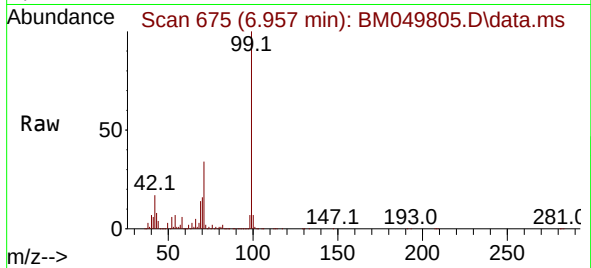
Tgt Ion:112 Resp: 2171640
Ion Ratio Lower Upper
112 100
64 56.5 45.3 67.9
63 30.2 24.4 36.6





#7
Phenol-d6
Concen: 125.911 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.024 min
Lab File: BM049805.D
Acq: 03 Apr 2025 14:37

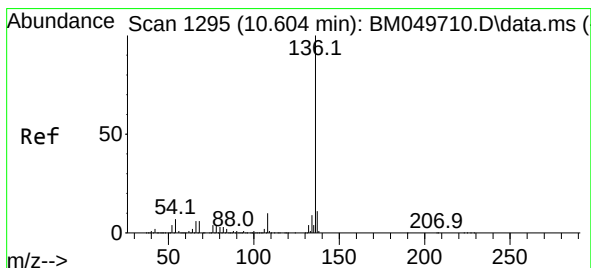
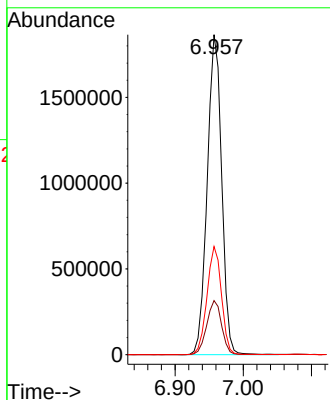
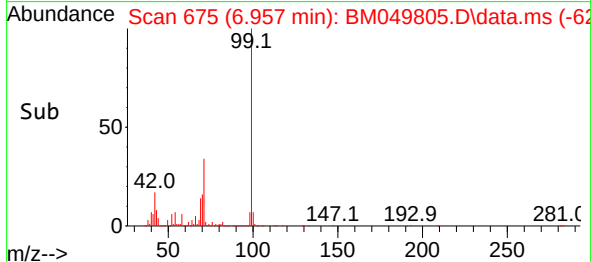
Instrument :
BNA_M
ClientSampleId :
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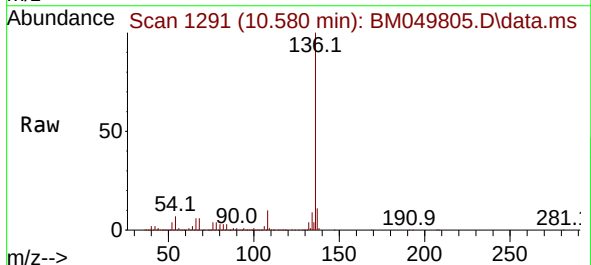
Tgt Ion: 99 Resp: 2752779
Ion Ratio Lower Upper
99 100
42 16.9 13.6 20.4
71 33.8 27.0 40.6

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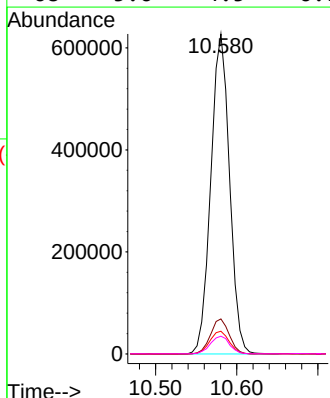
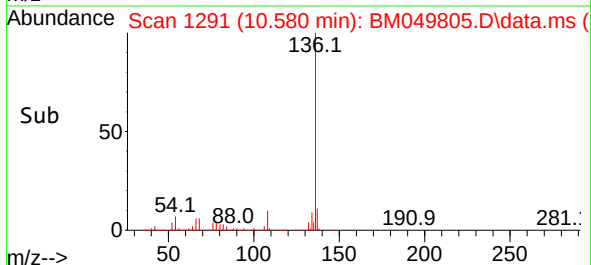
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025

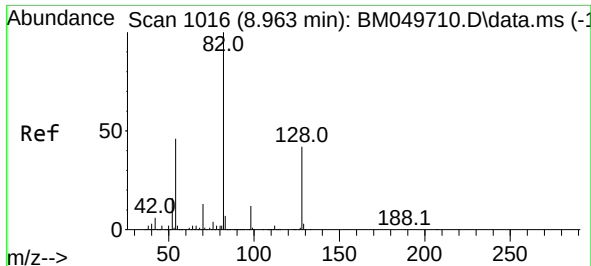


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049805.D
Acq: 03 Apr 2025 14:37



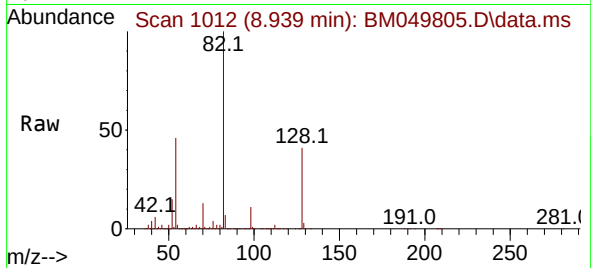
Tgt Ion:136 Resp: 1005562
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.1 5.8 8.8
68 5.6 4.5 6.7





#23
Nitrobenzene-d5
Concen: 83.350 ng
RT: 8.939 min Scan# 1016
Delta R.T. -0.024 min
Lab File: BM049805.D
Acq: 03 Apr 2025 14:37

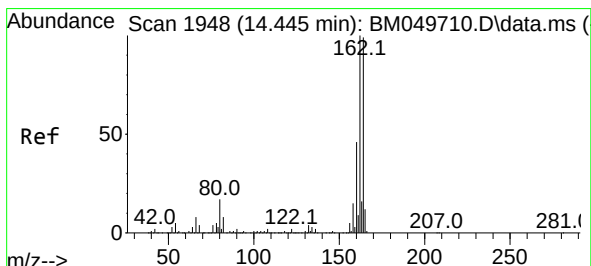
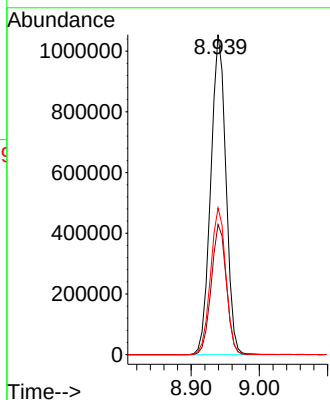
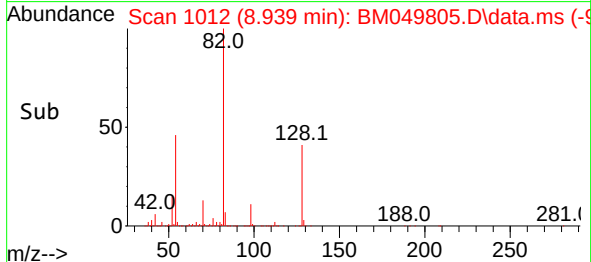
Instrument :
BNA_M
ClientSampleId :
WCS-TP-2



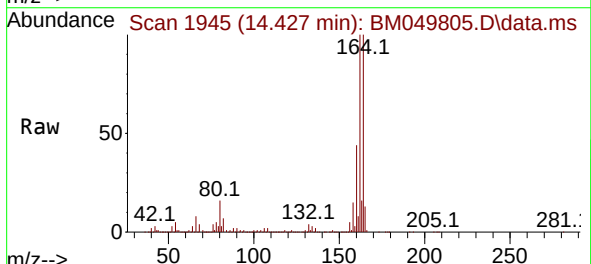
Tgt Ion: 82 Resp: 163245
Ion Ratio Lower Upper
82 100
128 40.7 33.4 50.0
54 45.9 36.4 54.6

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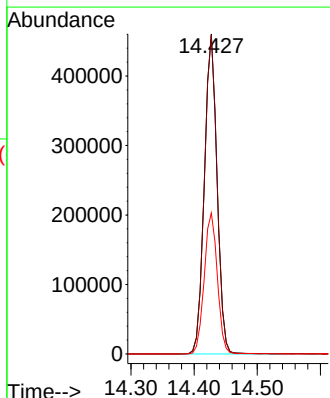
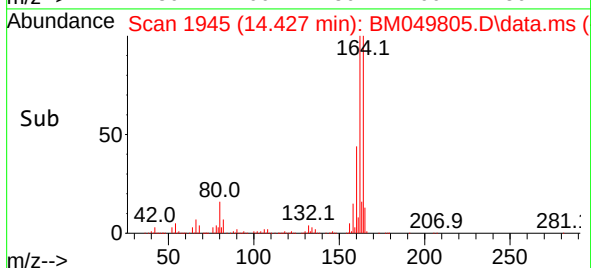
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025

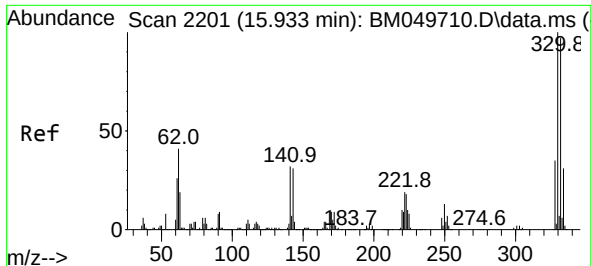


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049805.D
Acq: 03 Apr 2025 14:37



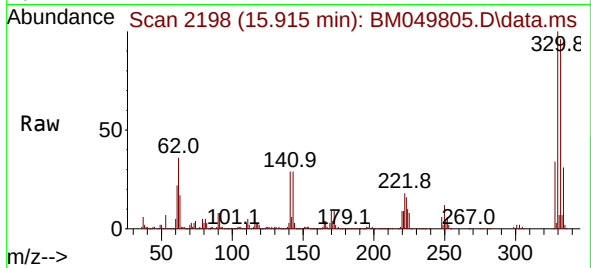
Tgt Ion:164 Resp: 643411
Ion Ratio Lower Upper
164 100
162 99.6 80.5 120.7
160 44.1 36.9 55.3





#42
2,4,6-Tribromophenol
Concen: 155.445 ng
RT: 15.915 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BM049805.D
Acq: 03 Apr 2025 14:37

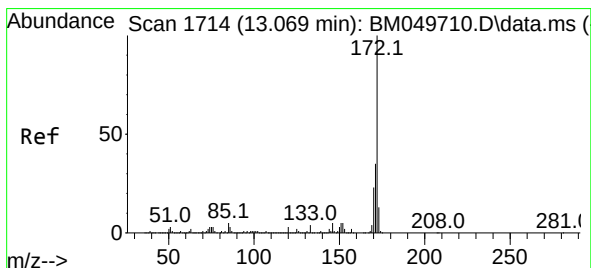
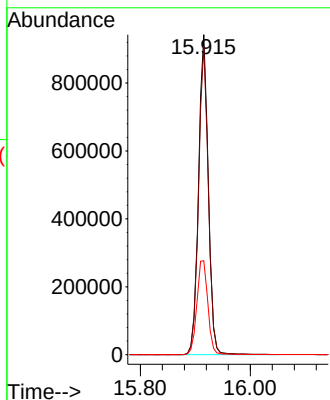
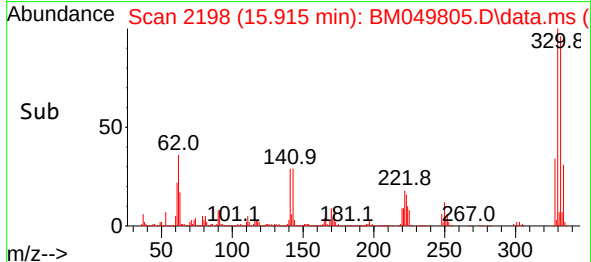
Instrument :
BNA_M
ClientSampleId :
WCS-TP-2



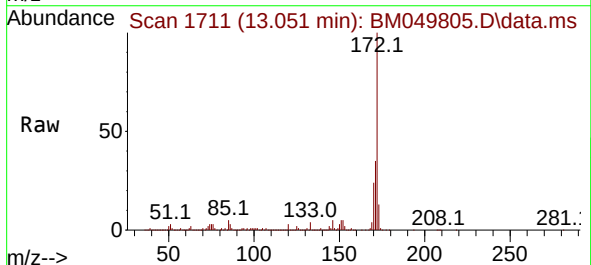
Tgt Ion:330 Resp: 116787
Ion Ratio Lower Upper
330 100
332 95.9 77.0 115.4
141 32.8 27.8 41.6

Manual Integrations
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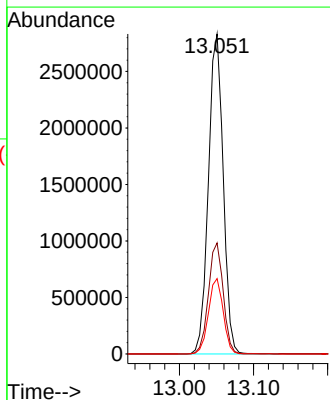
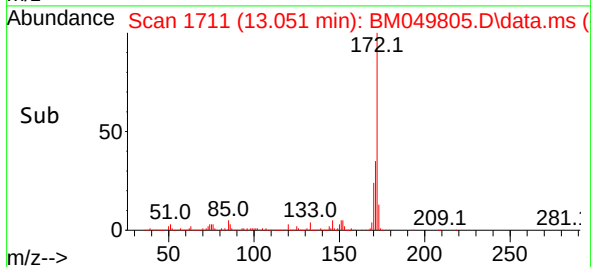
Reviewed By :Rahul Chavli 04/04/2025
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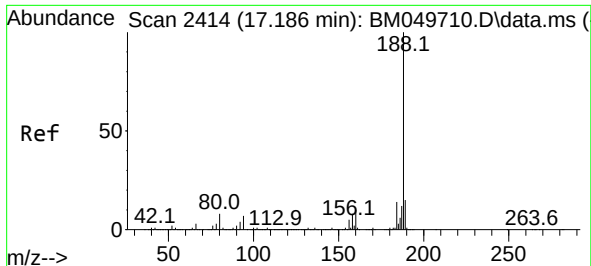


#45
2-Fluorobiphenyl
Concen: 76.289 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BM049805.D
Acq: 03 Apr 2025 14:37



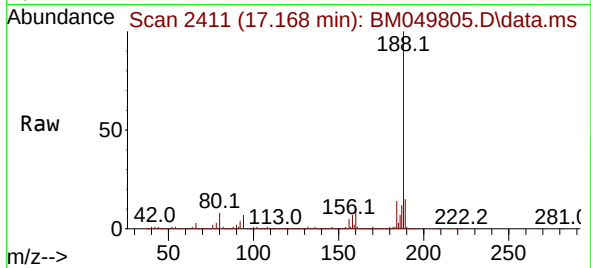
Tgt Ion:172 Resp: 3919344
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 23.6 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 2414
Delta R.T. -0.018 min
Lab File: BM049805.D
Acq: 03 Apr 2025 14:37

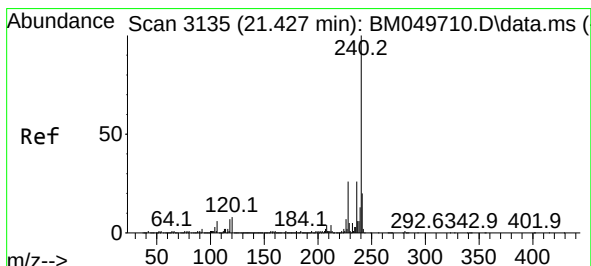
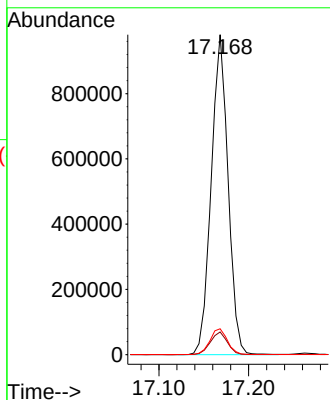
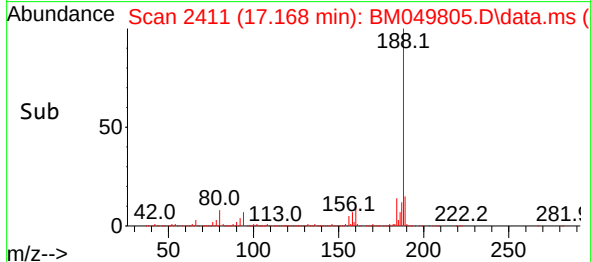
Instrument :
BNA_M
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WCS-TP-2



Tgt Ion:188 Resp: 127839
Ion Ratio Lower Upper
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94 7.1 5.8 8.6
80 8.1 6.3 9.5

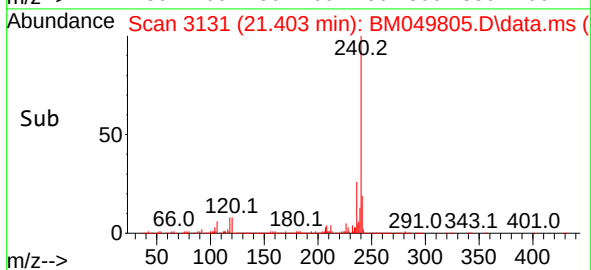
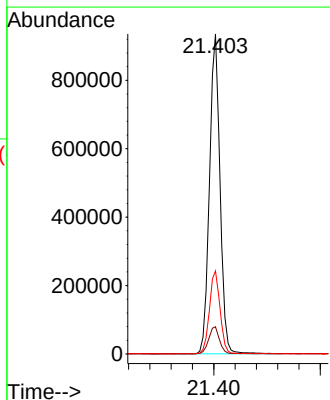
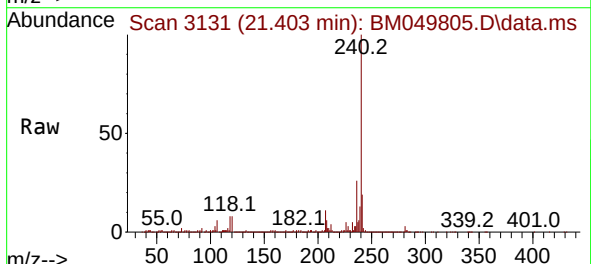
Manual Integrations
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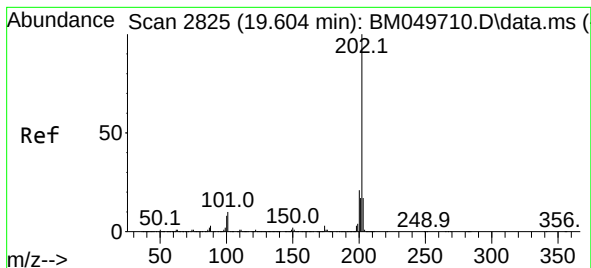
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049805.D
Acq: 03 Apr 2025 14:37

Tgt Ion:240 Resp: 1280864
Ion Ratio Lower Upper
240 100
120 8.5 6.5 9.7
236 26.0 20.7 31.1





#78

Pyrene

Concen: 2.037 ng

RT: 19.586 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM049805.D

Acq: 03 Apr 2025 14:37

Instrument :

BNA_M

ClientSampleId :

WCS-TP-2

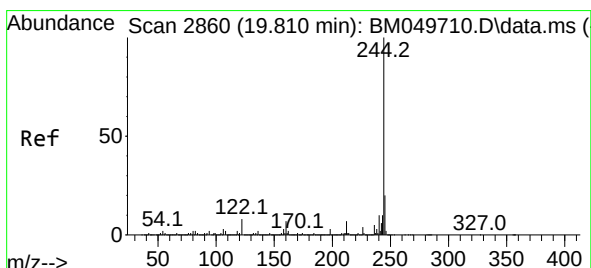
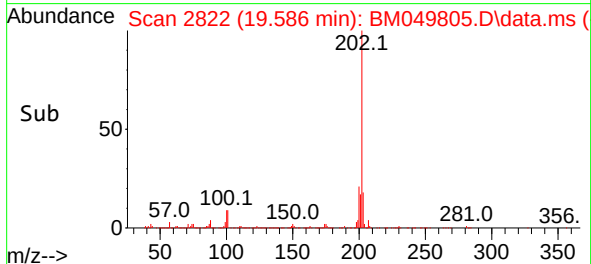
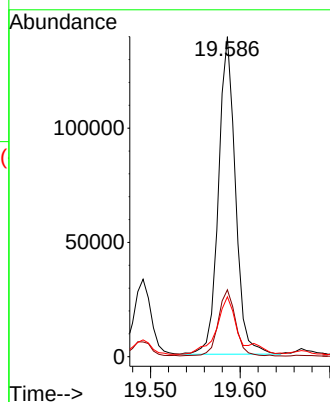
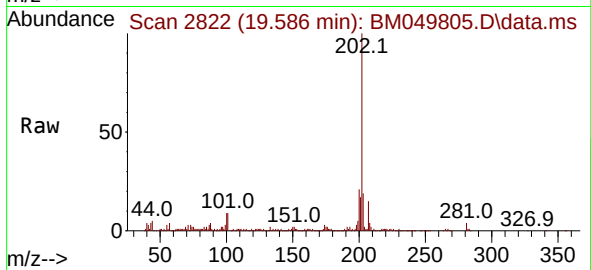
Tgt Ion:202 Resp: 182254
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.0 25.4
 203 18.7 14.0 21.0

Manual Integrations

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Reviewed By :Rahul Chavli 04/04/2025

Supervised By :Jagrut Upadhyay 04/04/2025



#79

Terphenyl-d14

Concen: 82.561 ng

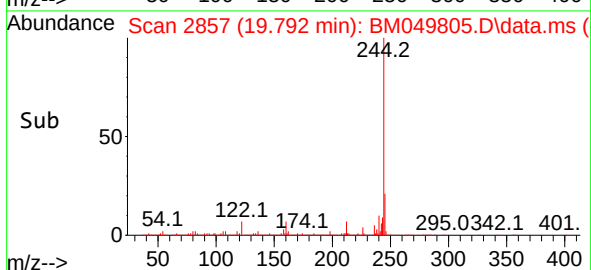
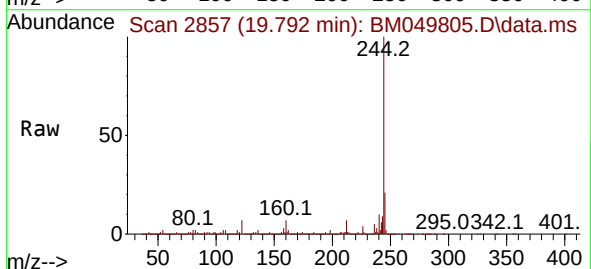
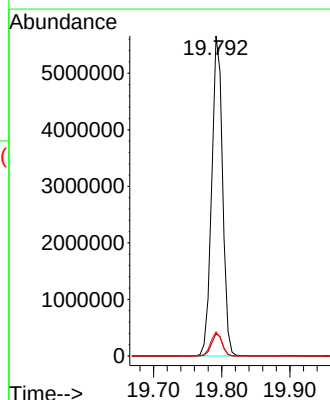
RT: 19.792 min Scan# 2857

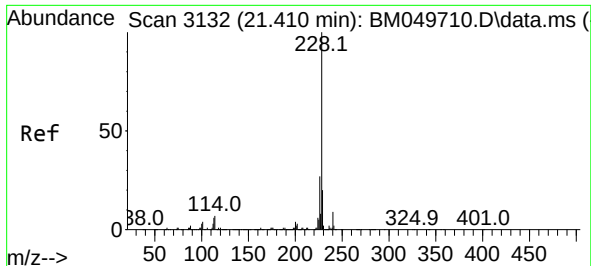
Delta R.T. -0.018 min

Lab File: BM049805.D

Acq: 03 Apr 2025 14:37

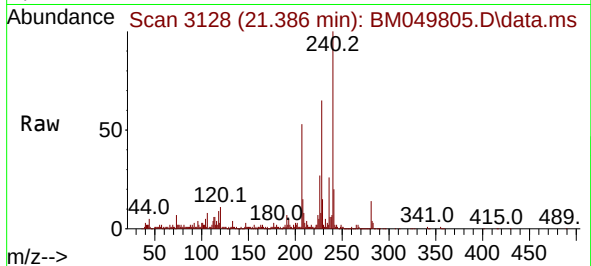
Tgt Ion:244 Resp: 6275470
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 7.5 6.0 9.0





#81
Benzo(a)anthracene
Concen: 2.220 ng m
RT: 21.386 min Scan# 3132
Delta R.T. -0.024 min
Lab File: BM049805.D
Acq: 03 Apr 2025 14:37

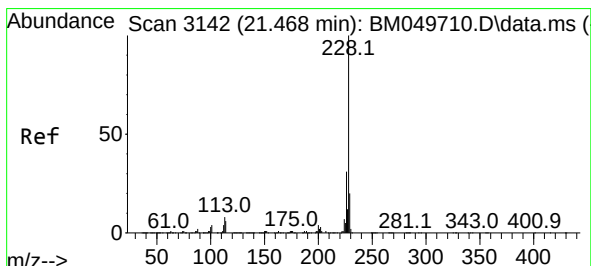
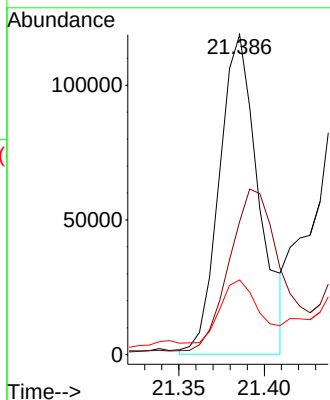
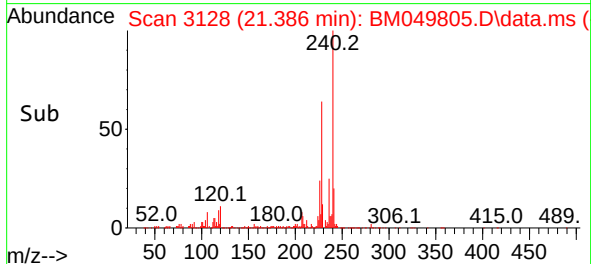
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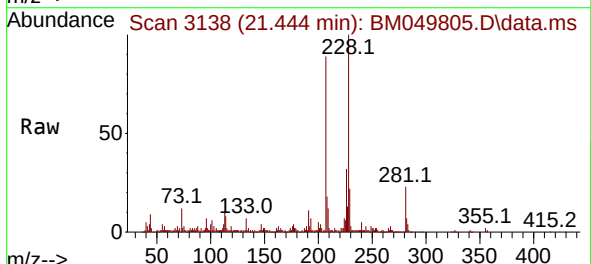
Tgt Ion:228 Resp: 189944
Ion Ratio Lower Upper
228 100
226 41.6 22.0 33.0
229 23.4 15.8 23.8

Manual Integrations
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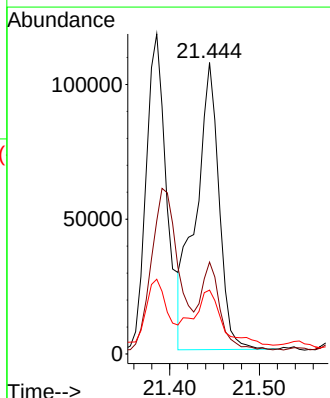
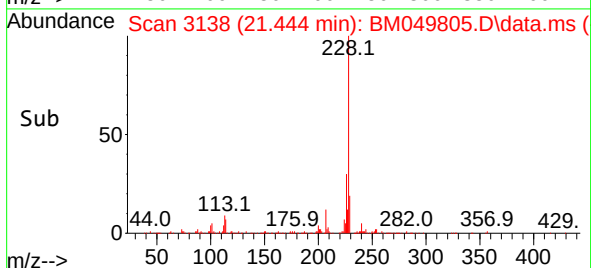
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025

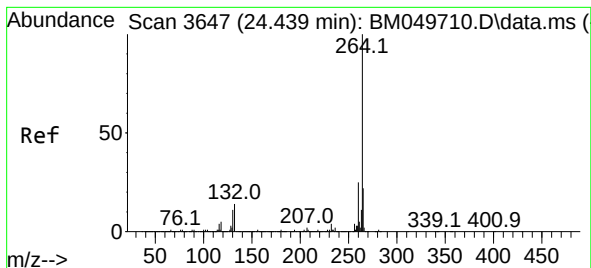


#83
Chrysene
Concen: 2.371 ng
RT: 21.444 min Scan# 3138
Delta R.T. -0.024 min
Lab File: BM049805.D
Acq: 03 Apr 2025 14:37



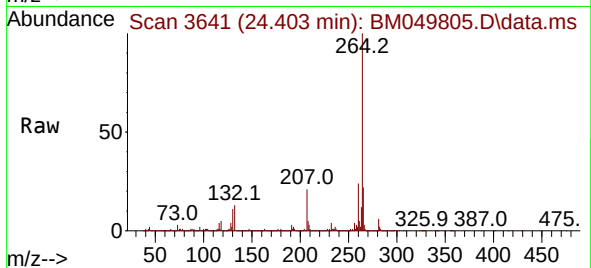
Tgt Ion:228 Resp: 192251
Ion Ratio Lower Upper
228 100
226 31.5 24.5 36.7
229 21.9 15.8 23.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.403 min Scan# 30
 Delta R.T. -0.036 min
 Lab File: BM049805.D
 Acq: 03 Apr 2025 14:37

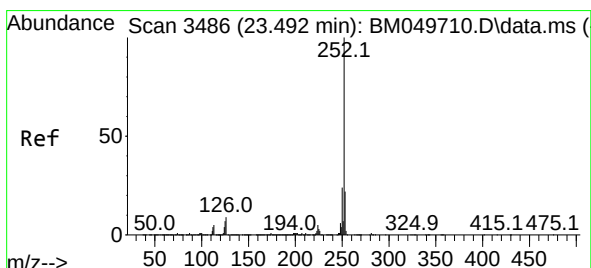
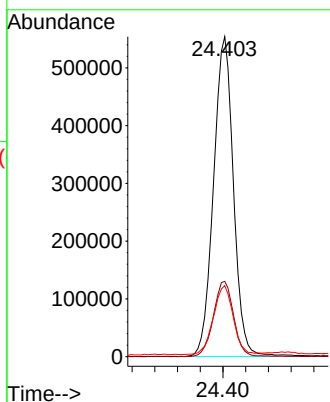
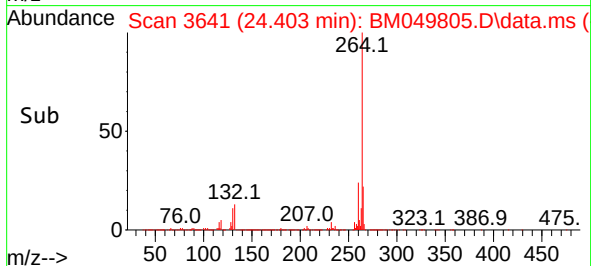
Instrument :
 BNA_M
 ClientSampleId :
 WCS-TP-2



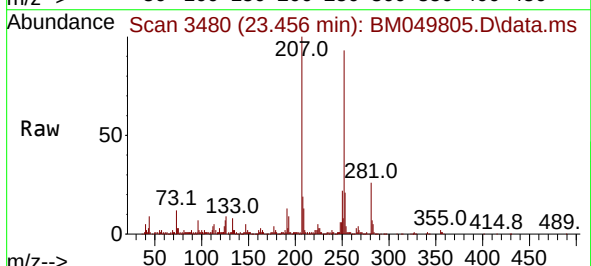
Tgt Ion:264 Resp: 1344709
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.6 29.4
 265 22.2 18.2 27.2

Manual Integrations
 APPROVED

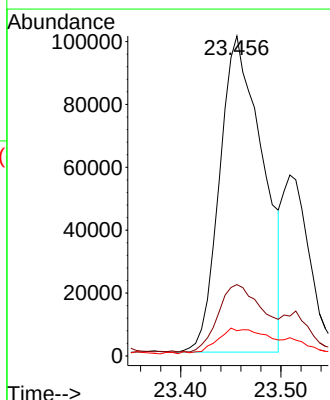
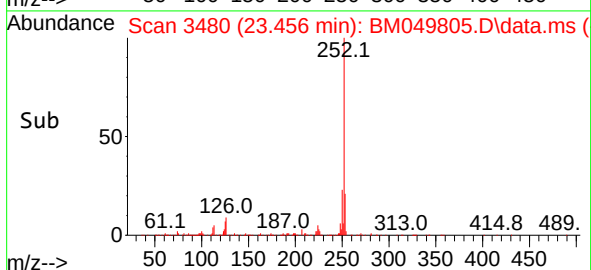
Reviewed By :Rahul Chavli 04/04/2025
 Supervised By :Jagrut Upadhyay 04/04/2025

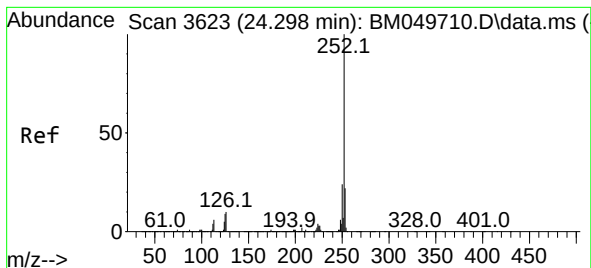


#88
 Benzo(b)fluoranthene
 Concen: 3.320 ng
 RT: 23.456 min Scan# 3480
 Delta R.T. -0.036 min
 Lab File: BM049805.D
 Acq: 03 Apr 2025 14:37



Tgt Ion:252 Resp: 300655
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.4 26.0
 125 7.9 5.9 8.9





#90

Benzo(a)pyrene

Concen: 3.982 ng

RT: 24.256 min Scan# 30290

Delta R.T. -0.042 min

Lab File: BM049805.D

Acq: 03 Apr 2025 14:37

Instrument :

BNA_M

ClientSampleId :

WCS-TP-2

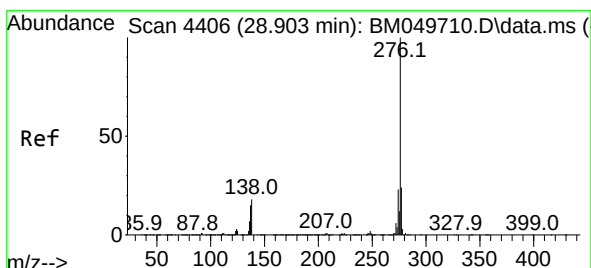
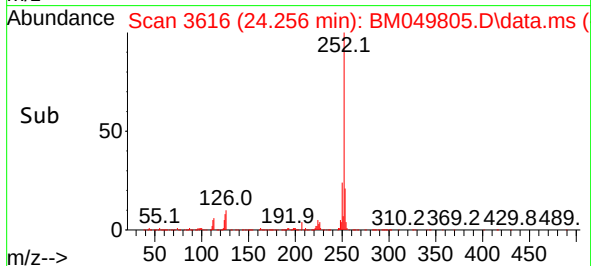
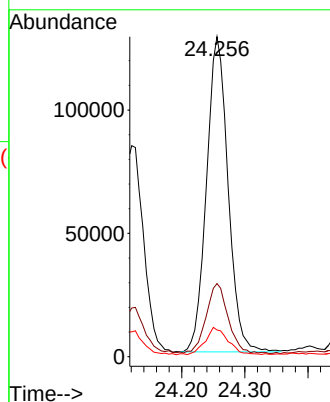
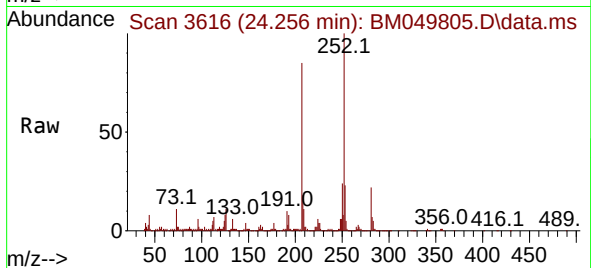
Tgt Ion:	252	Resp:	30290
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.2	25.8
125	8.4	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/04/2025

Supervised By :Jagrut Upadhyay 04/04/2025



#92

Benzo(g,h,i)perylene

Concen: 2.376 ng

RT: 28.814 min Scan# 4391

Delta R.T. -0.089 min

Lab File: BM049805.D

Acq: 03 Apr 2025 14:37

Tgt Ion:	276	Resp:	192972
Ion Ratio	Lower	Upper	
276	100		
277	22.7	18.8	28.2
138	18.6	14.0	21.0

