

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
 Data File : BM049788.D
 Acq On : 02 Apr 2025 13:28
 Operator : RC/JU
 Sample : Q1679-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-9

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 04/03/2025
 Supervised By :Jagrut Upadhyay 04/03/2025

Quant Time: Apr 02 14:11:16 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	7.787	152	278646	20.000	ng	-0.02
21) Naphthalene-d8	10.581	136	966546	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	616799	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1264538	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1542051	20.000	ng	-0.02
86) Perylene-d12	24.397	264	1525700	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1780500	107.817	ng	-0.02
7) Phenol-d6	6.957	99	2271782	109.619	ng	-0.02
23) Nitrobenzene-d5	8.940	82	1343882	71.385	ng	-0.02
42) 2,4,6-Tribromophenol	15.916	330	915737	127.144	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	2967488	60.253	ng	-0.02
79) Terphenyl-d14	19.792	244	4621706	50.505	ng	-0.02
Target Compounds						Qvalue
81) Benzo(a)anthracene	21.386	228	208182	2.021	ng	100
83) Chrysene	21.445	228	226977	2.325	ng	99
88) Benzo(b)fluoranthene	23.450	252	214650	2.089	ng	# 97
89) Benzo(k)fluoranthene	23.509	252	220705m	2.183	ng	

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

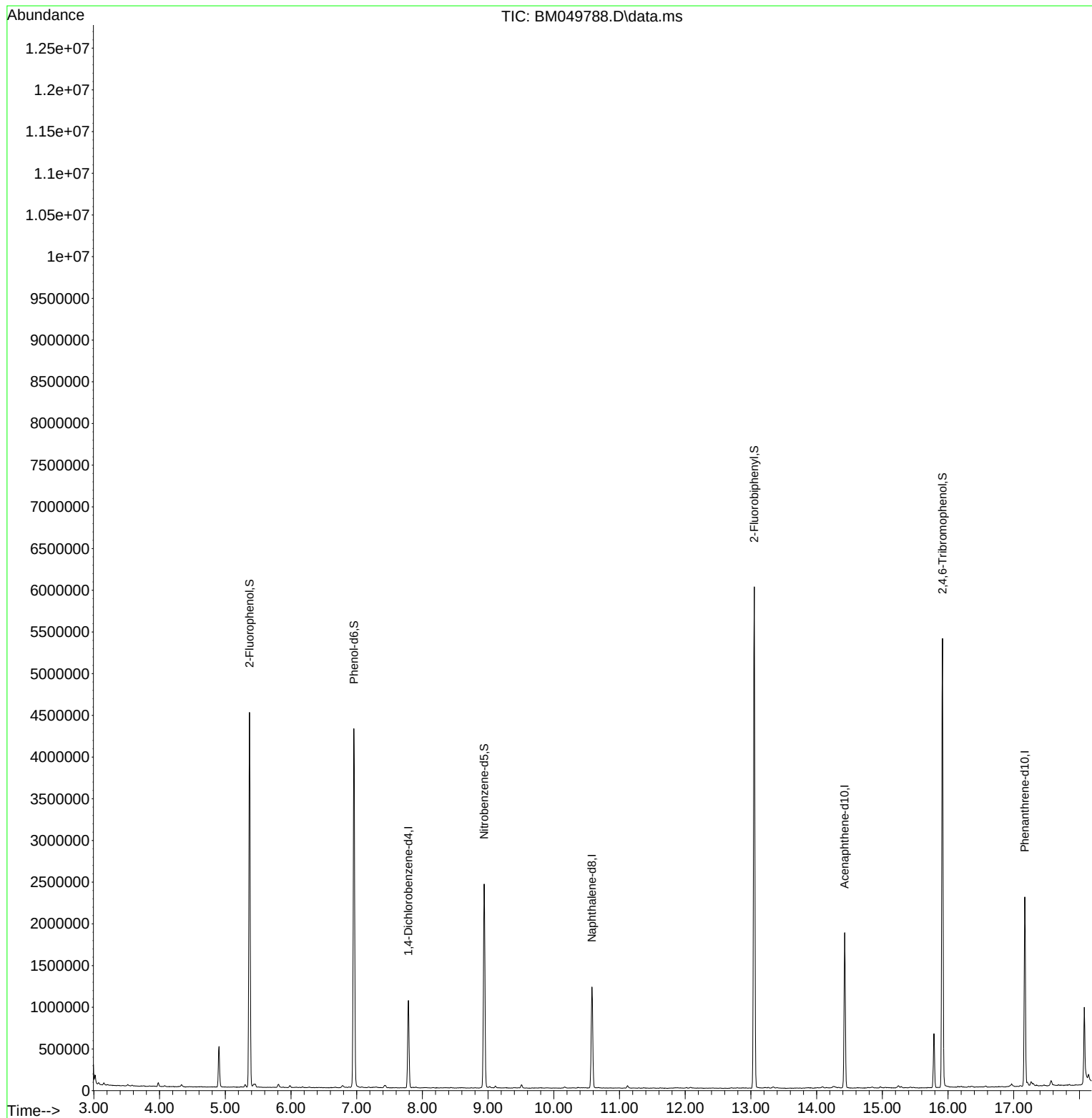
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049788.D
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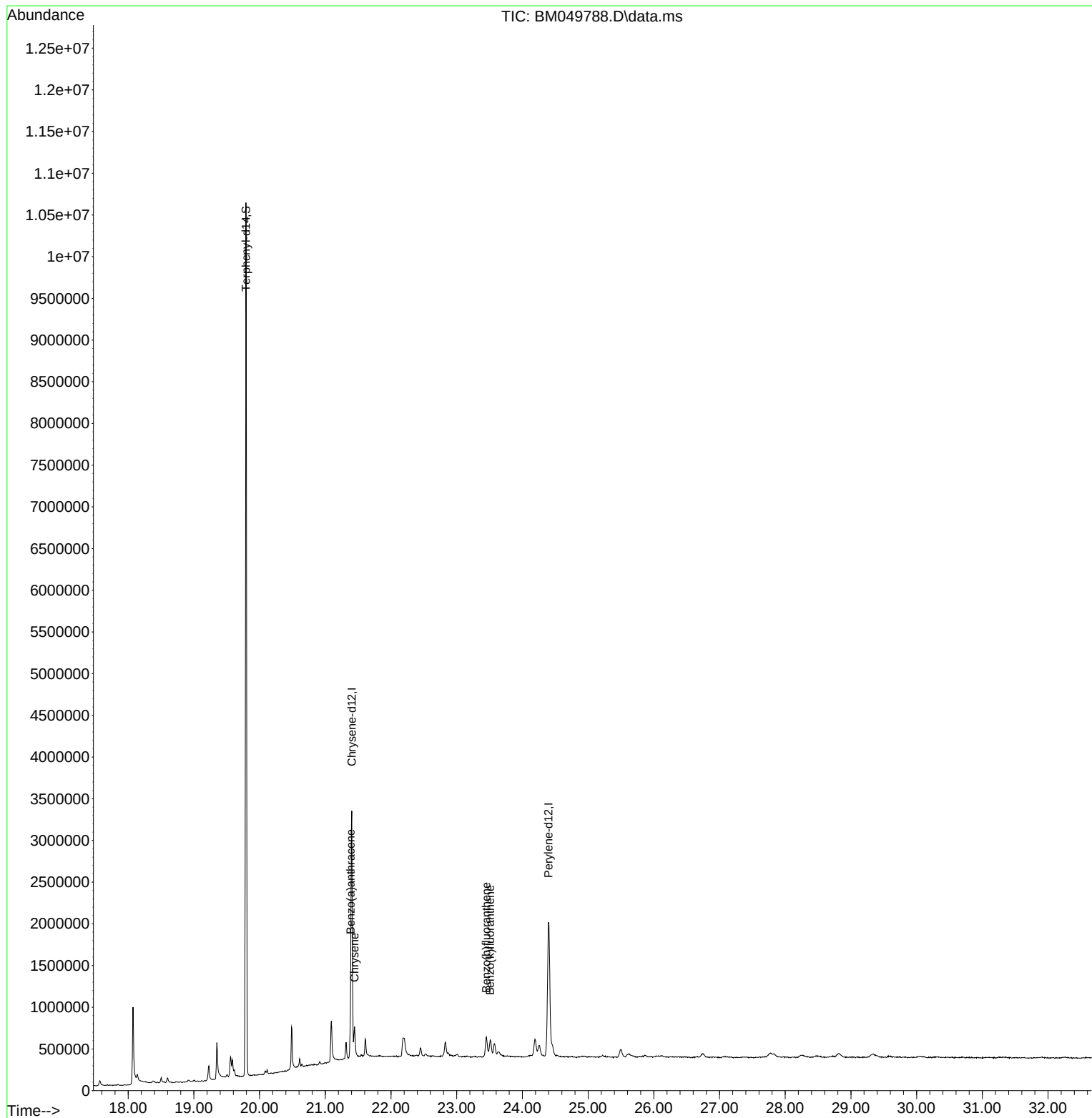
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049788.D
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Misc :
ALS Vial : 6 Sample Multiplier: 1

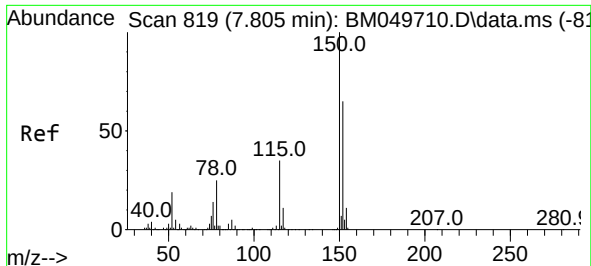
Instrument :
BNA_M
ClientSampleId :
TP-9

Quant Time: Apr 02 14:11:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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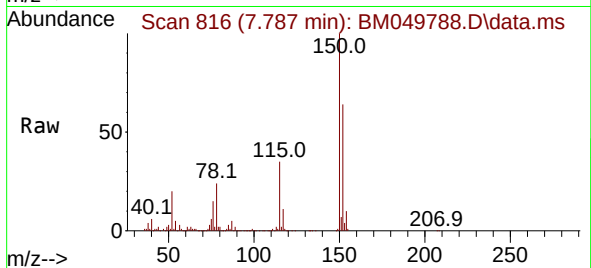
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 819
Delta R.T. -0.018 min
Lab File: BM049788.D
Acq: 02 Apr 2025 13:28

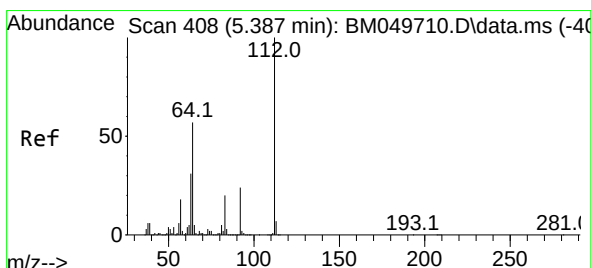
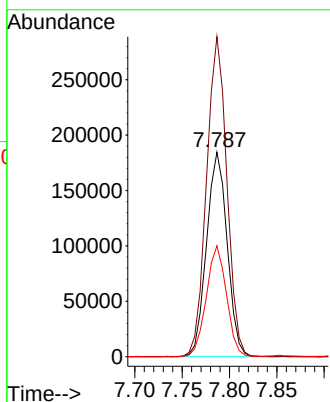
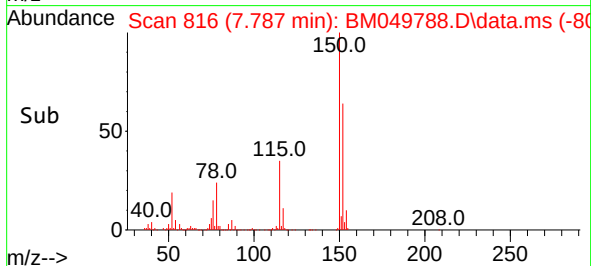
Instrument :
BNA_M
ClientSampleId :
TP-9



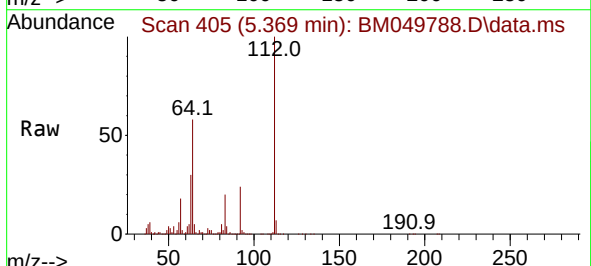
Tgt Ion:152 Resp: 278640
Ion Ratio Lower Upper
152 100
150 156.5 123.8 185.8
115 54.2 43.0 64.6

Manual Integrations
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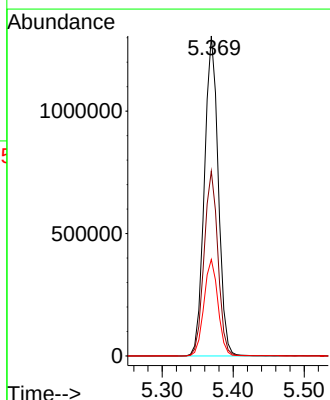
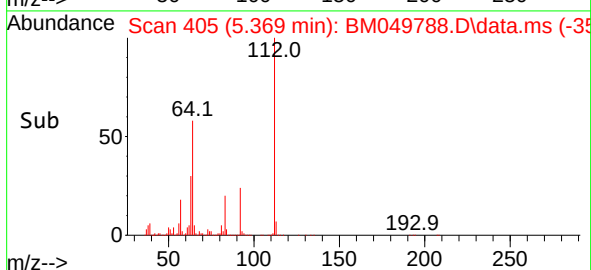
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025

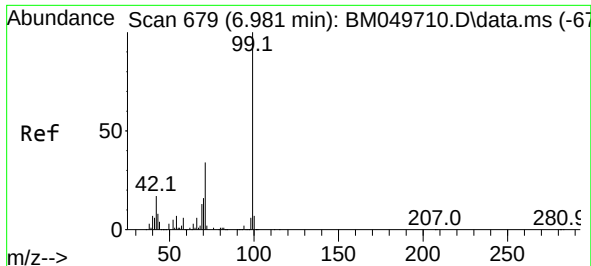


#5
2-Fluorophenol
Concen: 107.817 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049788.D
Acq: 02 Apr 2025 13:28



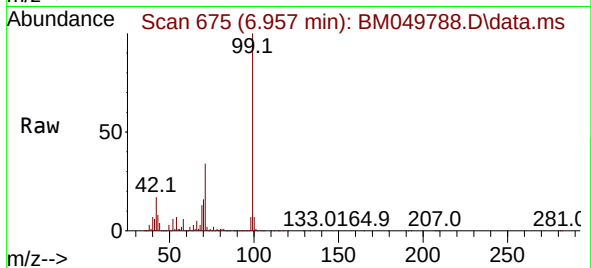
Tgt Ion:112 Resp: 1780500
Ion Ratio Lower Upper
112 100
64 57.7 45.3 67.9
63 30.1 24.4 36.6





#7
Phenol-d6
Concen: 109.619 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.024 min
Lab File: BM049788.D
Acq: 02 Apr 2025 13:28

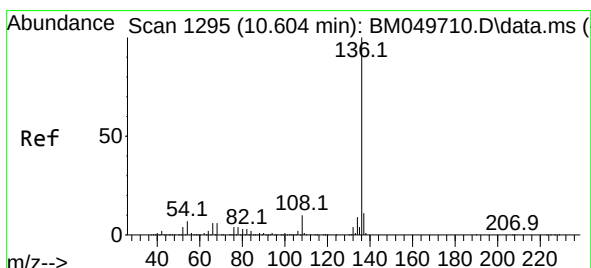
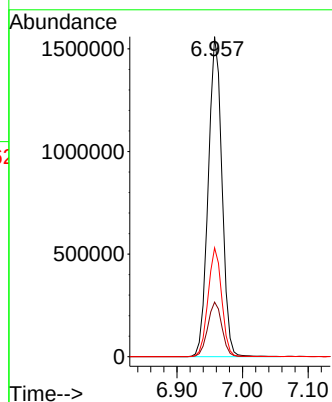
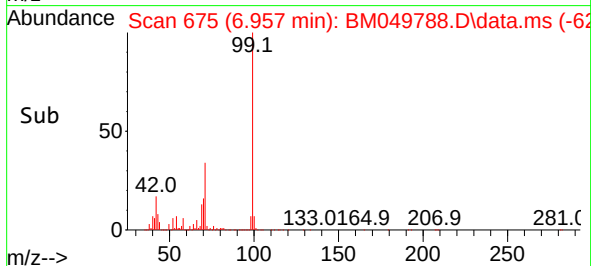
Instrument :
BNA_M
ClientSampleId :
TP-9



Tgt Ion: 99 Resp: 227178
Ion Ratio Lower Upper
99 100
42 17.1 13.6 20.4
71 34.0 27.0 40.6

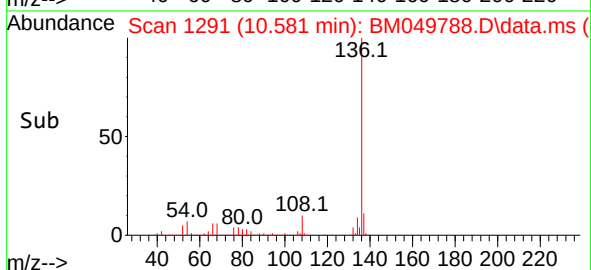
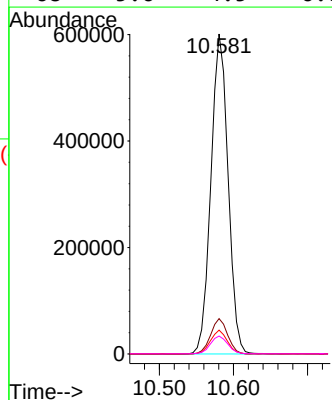
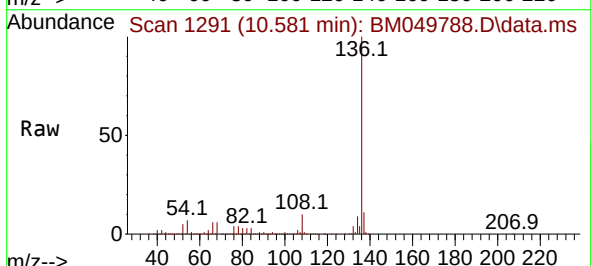
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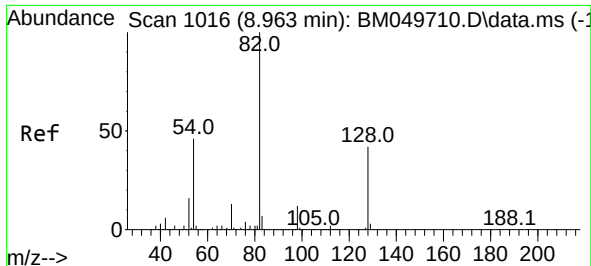
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049788.D
Acq: 02 Apr 2025 13:28

Tgt Ion:136 Resp: 966546
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 7.4 5.8 8.8
68 5.6 4.5 6.7





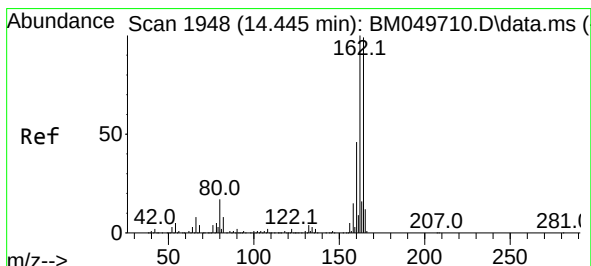
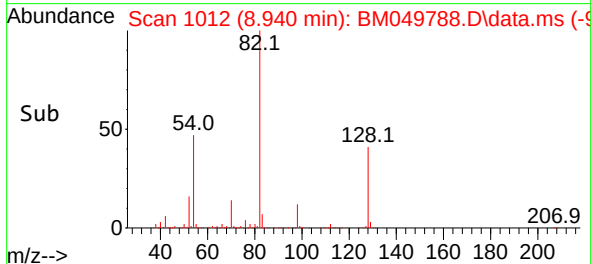
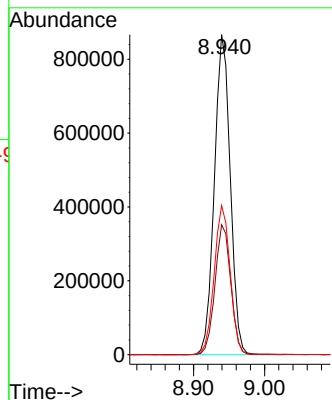
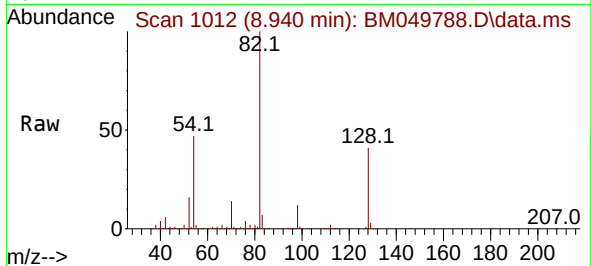
#23
Nitrobenzene-d5
Concen: 71.385 ng
RT: 8.940 min Scan# 1016
Delta R.T. -0.024 min
Lab File: BM049788.D
Acq: 02 Apr 2025 13:28

Instrument :
BNA_M
ClientSampleId :
TP-9

Tgt Ion: 82 Resp: 134388
Ion Ratio Lower Upper
82 100
128 40.6 33.4 50.0
54 46.6 36.4 54.6

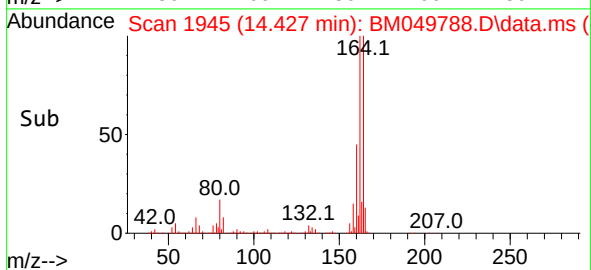
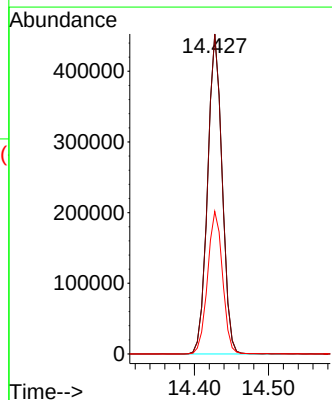
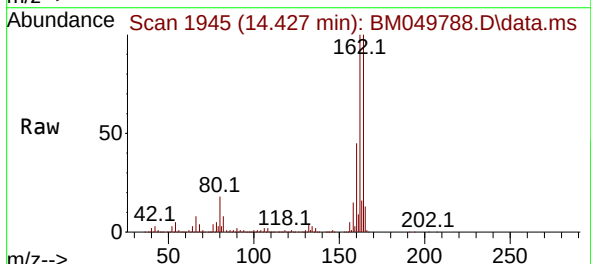
Manual Integrations
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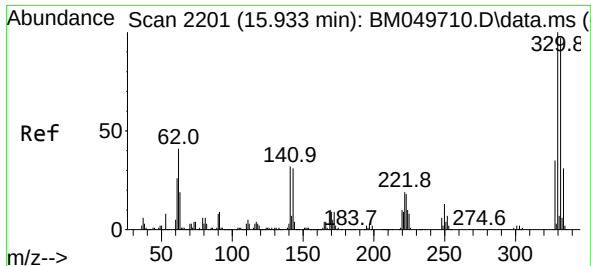
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049788.D
Acq: 02 Apr 2025 13:28

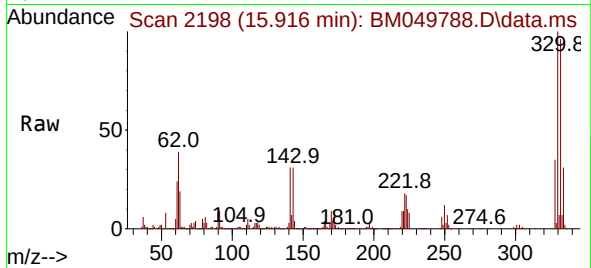
Tgt Ion:164 Resp: 616799
Ion Ratio Lower Upper
164 100
162 99.9 80.5 120.7
160 44.5 36.9 55.3





#42
2,4,6-Tribromophenol
Concen: 127.144 ng
RT: 15.916 min Scan# 2198
Delta R.T. -0.017 min
Lab File: BM049788.D
Acq: 02 Apr 2025 13:28

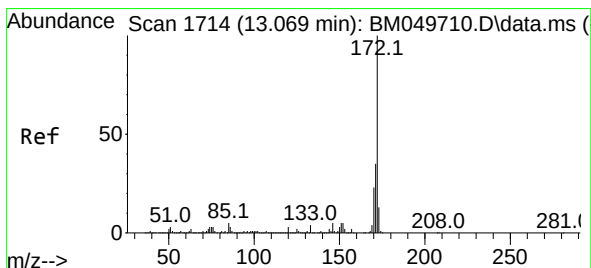
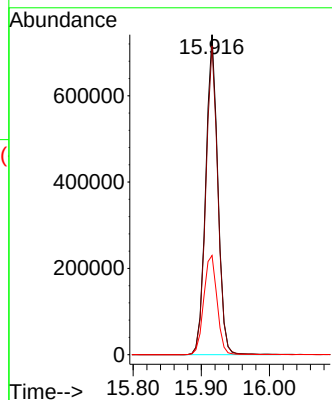
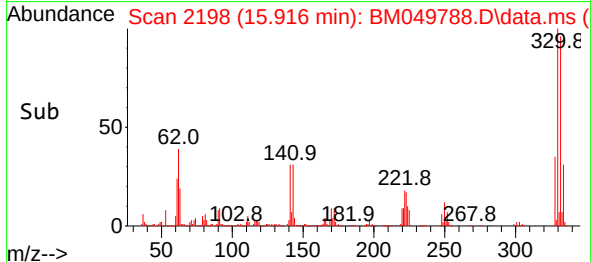
Instrument :
BNA_M
ClientSampleId :
TP-9



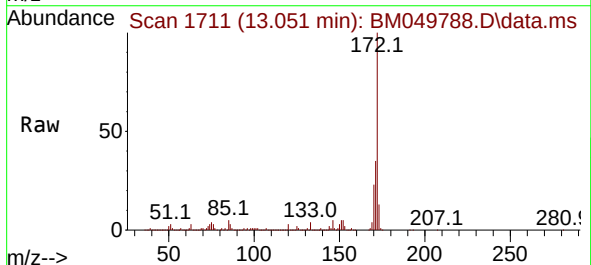
Tgt Ion:330 Resp: 91573
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.4
141 34.1 27.8 41.6

Manual Integrations
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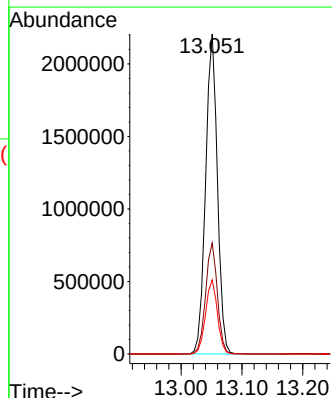
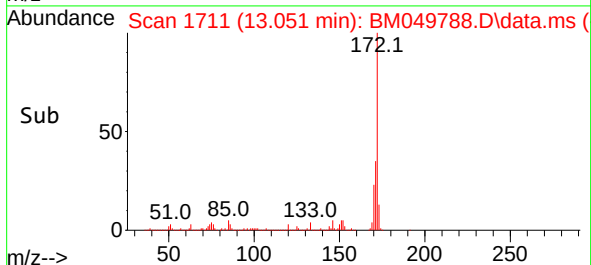
Reviewed By :Anahy Claudio 04/03/2025
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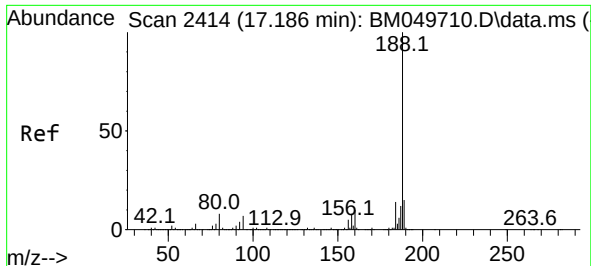


#45
2-Fluorobiphenyl
Concen: 60.253 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BM049788.D
Acq: 02 Apr 2025 13:28



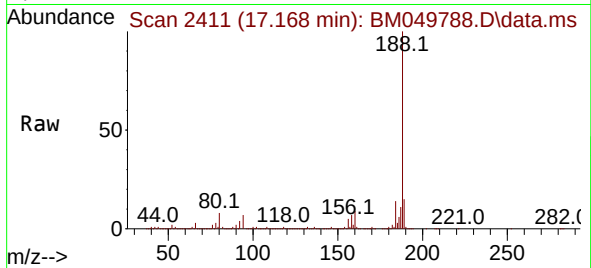
Tgt Ion:172 Resp: 2967488
Ion Ratio Lower Upper
172 100
171 34.6 27.9 41.9
170 23.2 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 2414
Delta R.T. -0.018 min
Lab File: BM049788.D
Acq: 02 Apr 2025 13:28

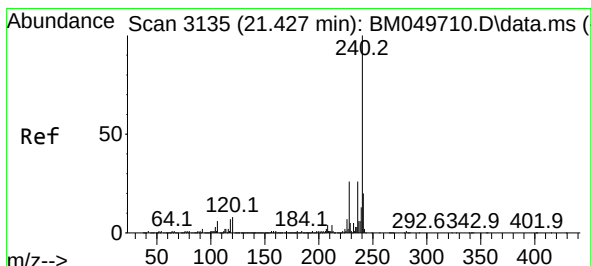
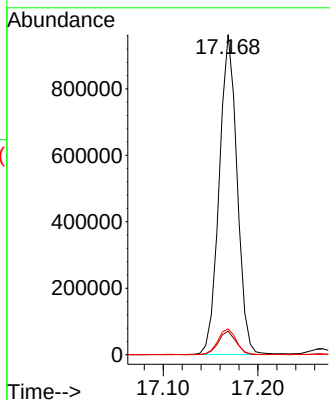
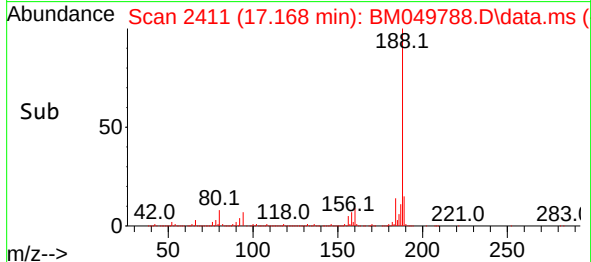
Instrument :
BNA_M
ClientSampleId :
TP-9



Tgt Ion:188 Resp: 1264538
Ion Ratio Lower Upper
188 100
94 7.3 5.8 8.6
80 8.1 6.3 9.5

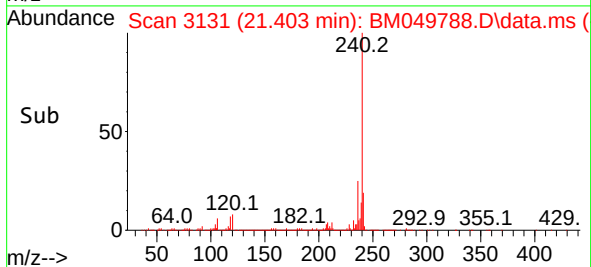
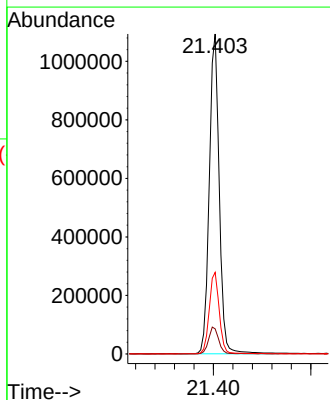
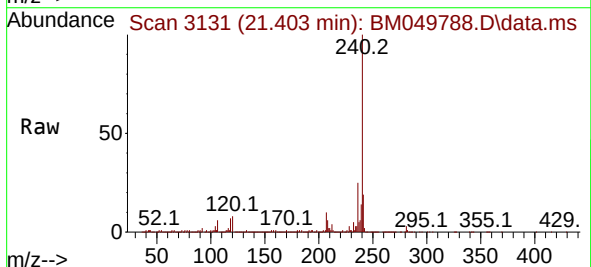
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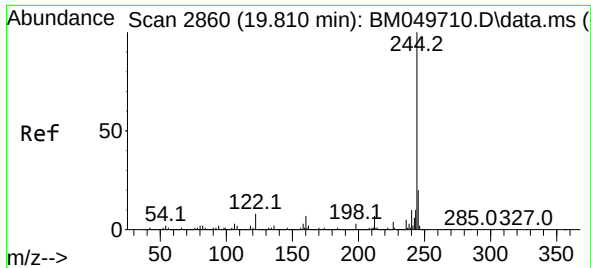
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049788.D
Acq: 02 Apr 2025 13:28

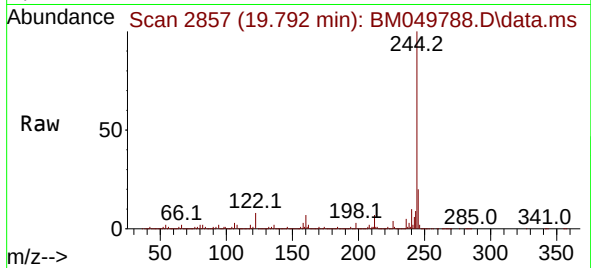
Tgt Ion:240 Resp: 1542051
Ion Ratio Lower Upper
240 100
120 7.8 6.5 9.7
236 25.5 20.7 31.1





#79
 Terphenyl-d14
 Concen: 50.505 ng
 RT: 19.792 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM049788.D
 Acq: 02 Apr 2025 13:28

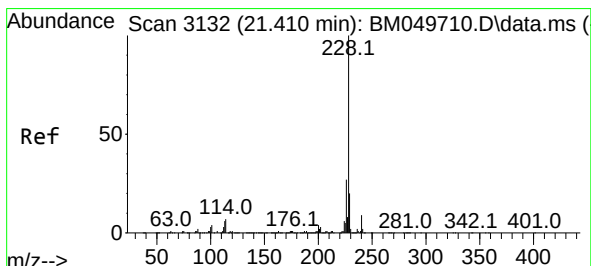
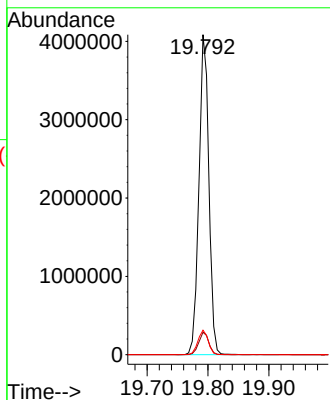
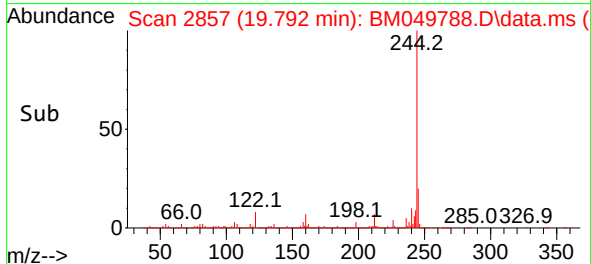
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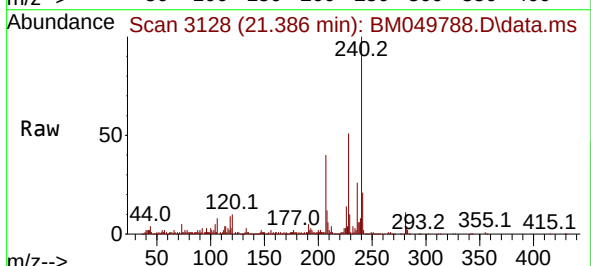
Tgt Ion:244 Resp: 4621700
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 7.7 6.0 9.0

Manual Integrations
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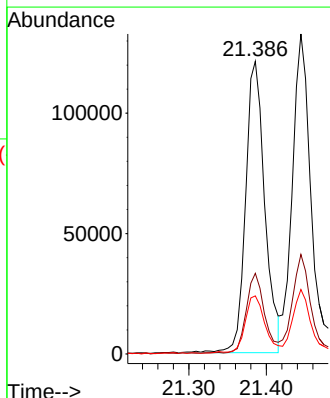
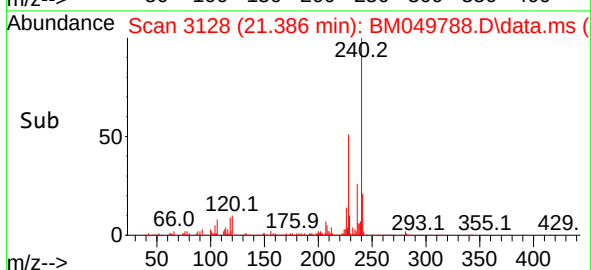
Reviewed By :Anahy Claudio 04/03/2025
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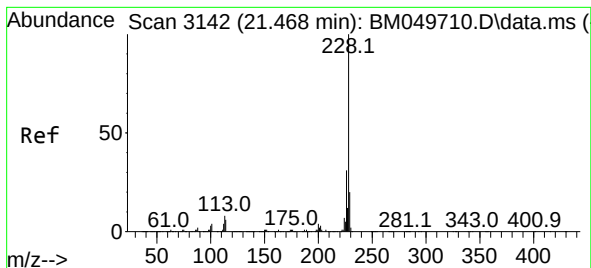


#81
 Benzo(a)anthracene
 Concen: 2.021 ng
 RT: 21.386 min Scan# 3128
 Delta R.T. -0.024 min
 Lab File: BM049788.D
 Acq: 02 Apr 2025 13:28



Tgt Ion:228 Resp: 208182
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.0 33.0
 229 19.9 15.8 23.8





#83

Chrysene

Concen: 2.325 ng

RT: 21.445 min Scan# 31

Delta R.T. -0.024 min

Lab File: BM049788.D

Acq: 02 Apr 2025 13:28

Instrument :

BNA_M

ClientSampleId :

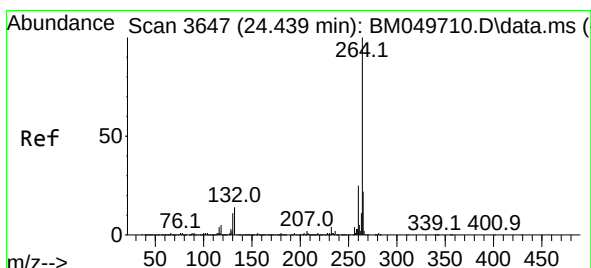
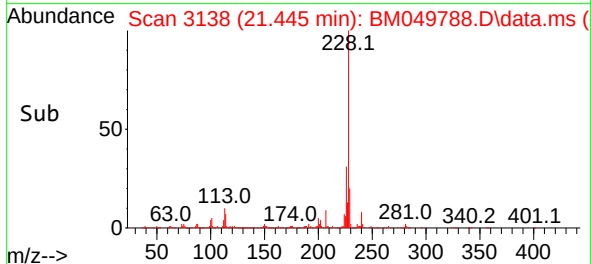
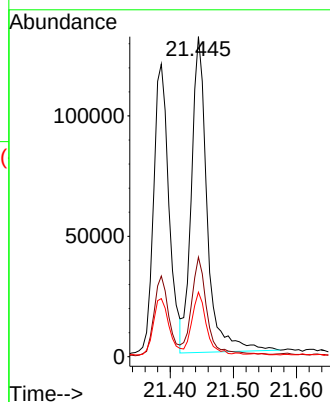
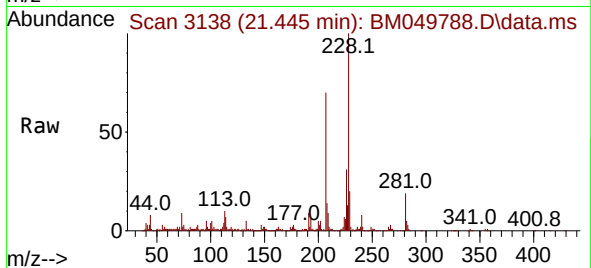
TP-9

Tgt Ion:228 Resp: 22697
 Ion Ratio Lower Upper
 228 100
 226 31.1 24.5 36.7
 229 20.1 15.8 23.6

Manual Integrations

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#86

Perylene-d12

Concen: 20.000 ng

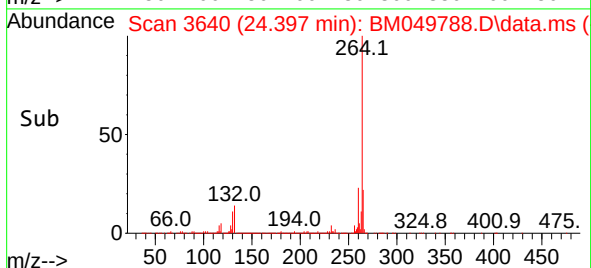
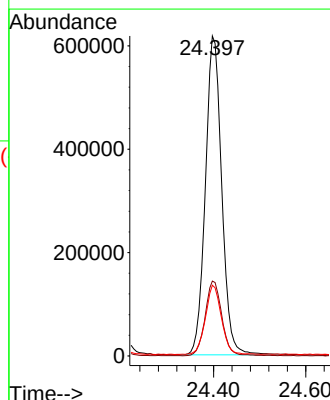
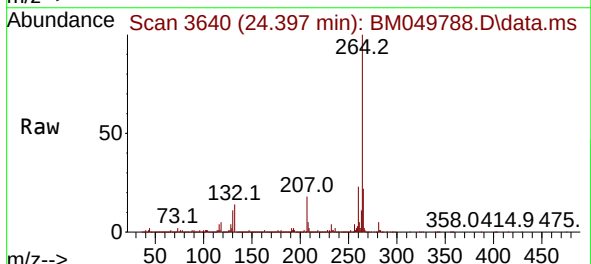
RT: 24.397 min Scan# 3640

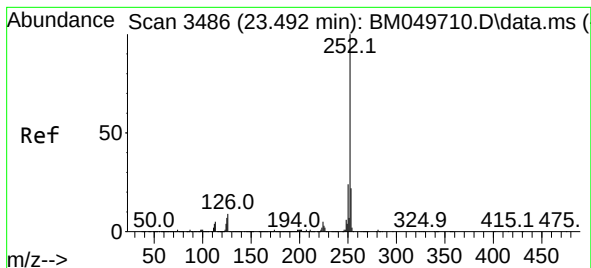
Delta R.T. -0.041 min

Lab File: BM049788.D

Acq: 02 Apr 2025 13:28

Tgt Ion:264 Resp: 1525700
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.6 29.4
 265 22.1 18.2 27.2





#88

Benzo(b)fluoranthene

Concen: 2.089 ng

RT: 23.450 min Scan# 3486

Delta R.T. -0.041 min

Lab File: BM049788.D

Acq: 02 Apr 2025 13:28

Instrument :

BNA_M

ClientSampleId :

TP-9

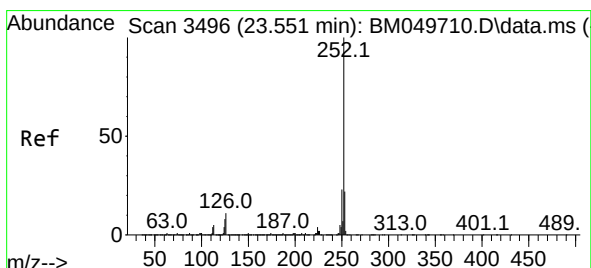
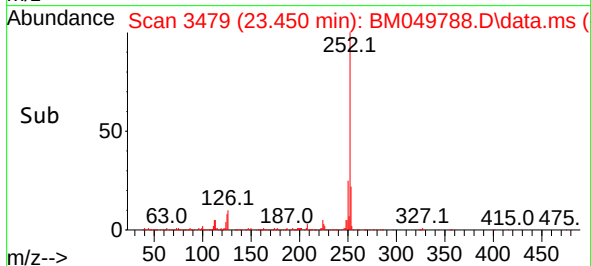
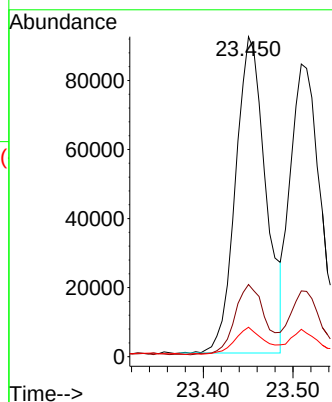
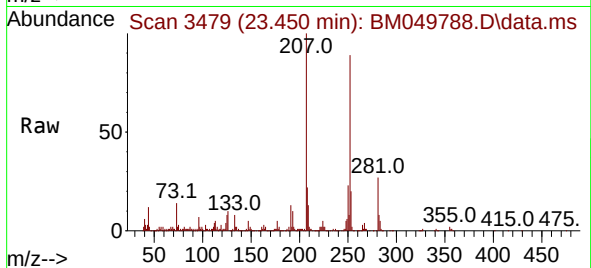
Tgt Ion:252 Resp: 214650
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.4 26.0
 125 9.2 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 04/03/2025

Supervised By :Jagrut Upadhyay 04/03/2025



#89

Benzo(k)fluoranthene

Concen: 2.183 ng m

RT: 23.509 min Scan# 3489

Delta R.T. -0.041 min

Lab File: BM049788.D

Acq: 02 Apr 2025 13:28

Tgt Ion:252 Resp: 220705
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.3 25.9
 125 9.3 6.2 9.2

