

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
 Data File : BM049454.D
 Acq On : 27 Jan 2025 18:42
 Operator : RC/JU
 Sample : Q1139-07ME
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH4ME

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

Quant Time: Jan 28 00:12:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 13 16:56:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	166555	20.000	ng/u1	0.00
20) Naphthalene-d8	10.274	136	600475	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.151	164	377341	20.000	ng/u1	-0.01
64) Phenanthrene-d10	16.909	188	763343	20.000	ng/u1	0.00
79) Chrysene-d12	21.133	240	783389	20.000	ng/u1	-0.01
88) Perylene-d12	23.915	264	806433	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	20093	4.991	ng/uL	0.00
4) Pyridine-d5	3.510	84	269401	21.022	ng/u1	0.00
7) Phenol-d5	6.710	99	297439	21.274	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.863	67	217236	23.334	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.057	132	241499	22.579	ng/u1	0.00
15) 4-Methylphenol-d8	8.227	113	221592	20.438	ng/u1	-0.01
21) Nitrobenzene-d5	8.657	128	105872	23.121	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.374	143	112421	21.962	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.910	165	223845	21.430	ng/u1	0.00
31) 4-Chloroaniline-d4	10.421	131	271837	19.778	ng/u1	0.00
46) Dimethylphthalate-d6	13.574	166	695167	24.752	ng/u1	-0.01
49) Acenaphthylene-d8	13.839	160	803737	25.068	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.386	143	66232m	14.241	ng/u1	0.00
60) Fluorene-d10	15.156	176	628647	25.911	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.286	200	66193	13.606	ng/u1	0.00
73) Anthracene-d10	17.003	188	974833	25.834	ng/u1	-0.01
81) Pyrene-d10	19.309	212	1202024	25.212	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.727	264	1094799	25.290	ng/u1	-0.02
Target Compounds						
30) Naphthalene	10.327	128	2574189	80.778	ng/u1	99
36) 2-Methylnaphthalene	11.945	142	624213	27.373	ng/u1	100
37) 1-Methylnaphthalene	12.168	142	281794	12.420	ng/u1	99
50) Acenaphthylene	13.874	152	37647m	1.145	ng/u1	
52) Acenaphthene	14.215	153	636627	27.108	ng/u1	99
61) Fluorene	15.209	166	713233	26.176	ng/u1	100
72) Phenanthrene	16.950	178	5347896	126.019	ng/u1	100
74) Anthracene	17.039	178	446721	10.487	ng/u1	99
80) Fluoranthene	18.974	202	2877376	52.522	ng/u1	98
82) Pyrene	19.339	202	1877836	32.201	ng/u1	98
85) Benzo(a)anthracene	21.121	228	403784	7.396	ng/u1	99
87) Chrysene	21.174	228	306239	6.144	ng/u1	97
90) Benzo(b)fluoranthene	23.044	252	180916	3.352	ng/u1	98
91) Benzo(k)fluoranthene	23.097	252	69370m	1.289	ng/u1	
93) Benzo(a)pyrene	23.779	252	90669	1.860	ng/u1#	95

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

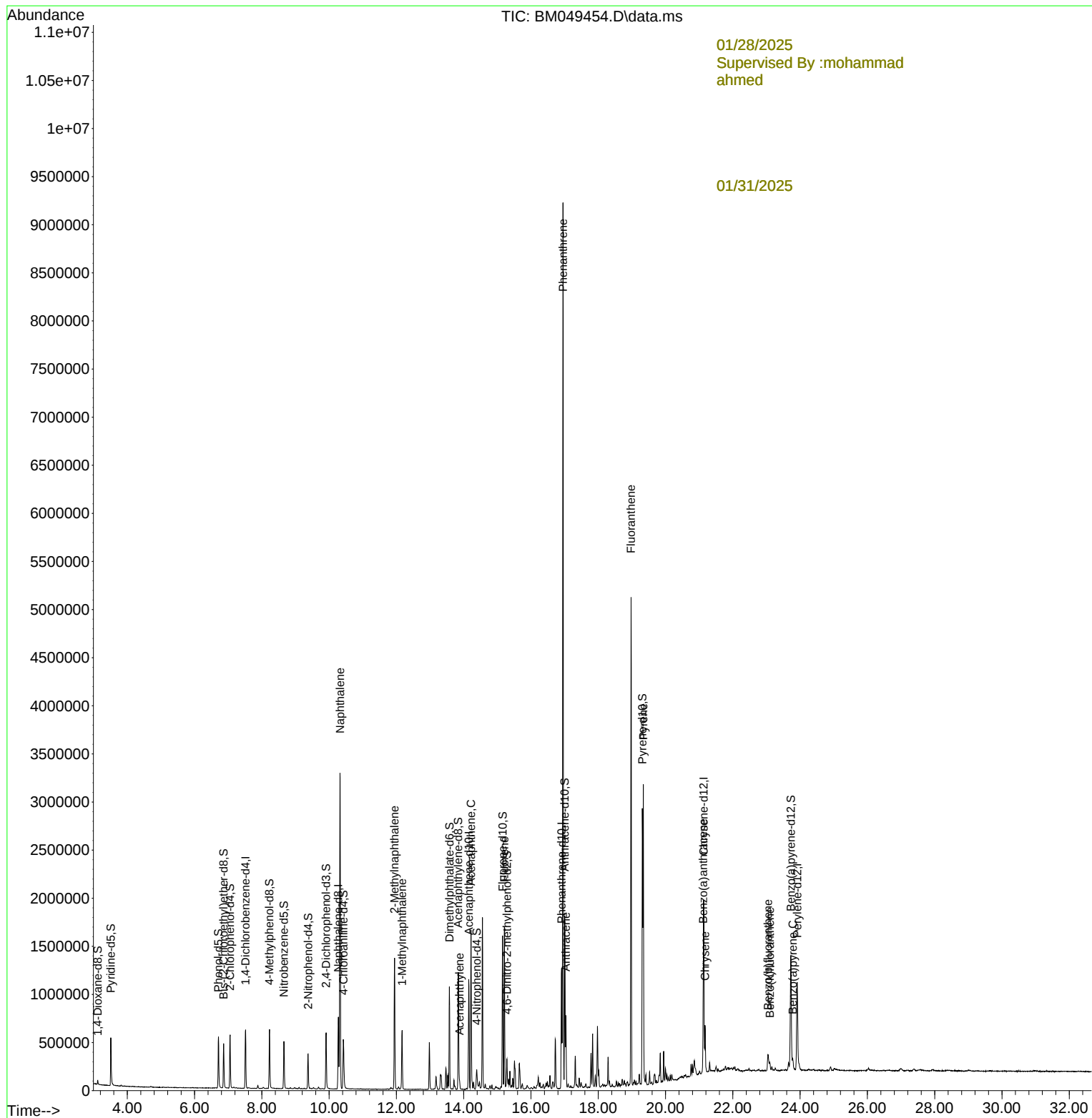
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Data File : BM049454.D
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ALS Vial : 12 Sample Multiplier: 1

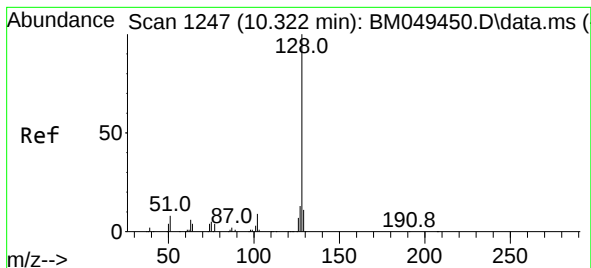
Instrument :
BNA_M
ClientSampleId :
DCZH4ME

Quant Time: Jan 28 00:12:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
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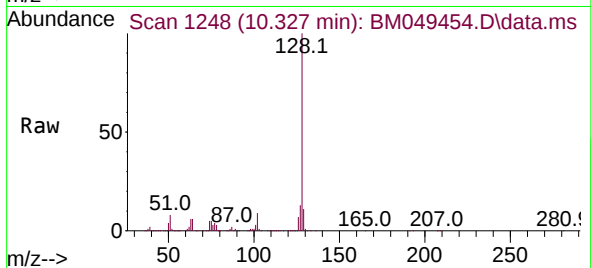
Reviewed By :Jagrut
Upadhyay





#30
Naphthalene
Concen: 80.778 ng/ul
RT: 10.327 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BM049454.D
Acq: 27 Jan 2025 18:42

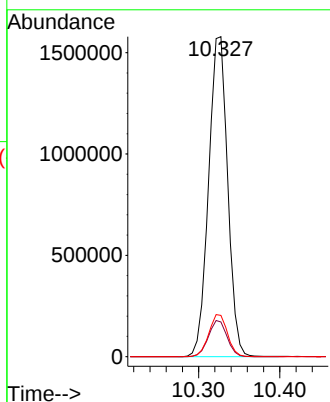
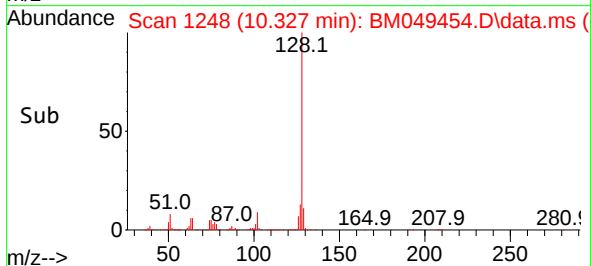
Instrument :
BNA_M
ClientSampleId :
DCZH4ME



Tgt Ion:128 Resp: 2574189
Ion Ratio Lower Upper
128 100
129 10.9 8.5 12.7
127 12.9 10.2 15.2

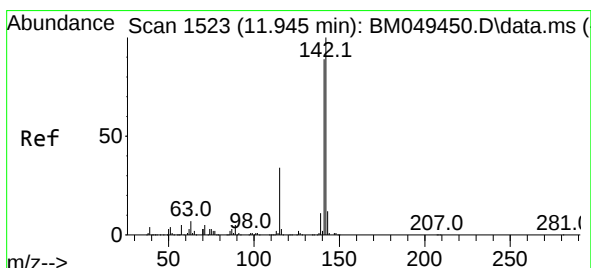
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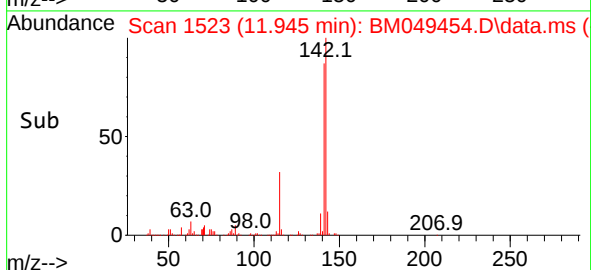
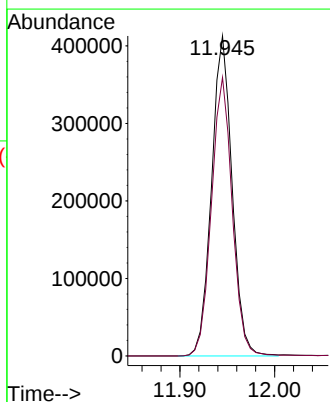
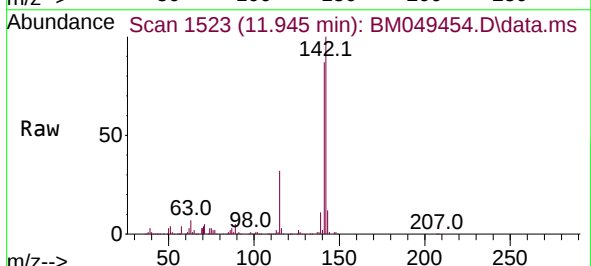
01/28/2025
Supervised By :mohammad
ahmed

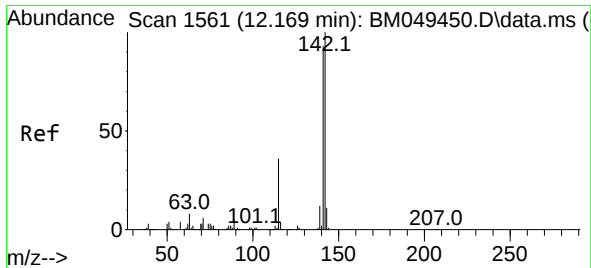
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#36
2-Methylnaphthalene
Concen: 27.373 ng/ul
RT: 11.945 min Scan# 1523
Delta R.T. -0.012 min
Lab File: BM049454.D
Acq: 27 Jan 2025 18:42

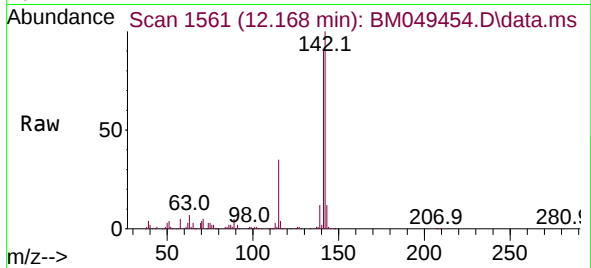
Tgt Ion:142 Resp: 624213
Ion Ratio Lower Upper
142 100
141 87.0 69.6 104.4





#37
1-Methylnaphthalene
Concen: 12.420 ng/ul
RT: 12.168 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM049454.D
Acq: 27 Jan 2025 18:42

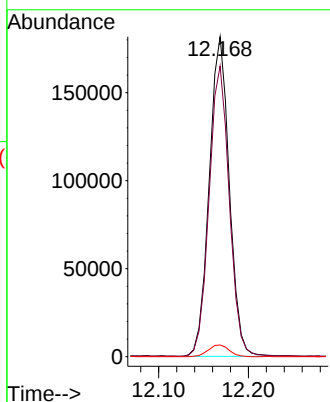
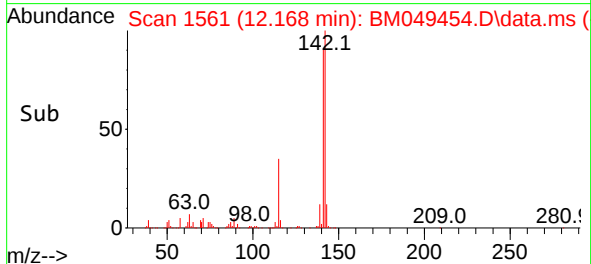
Instrument :
BNA_M
ClientSampleId :
DCZH4ME



Tgt Ion:142 Resp: 281794
Ion Ratio Lower Upper
142 100
141 90.8 71.9 107.9
116 3.7 2.8 4.2

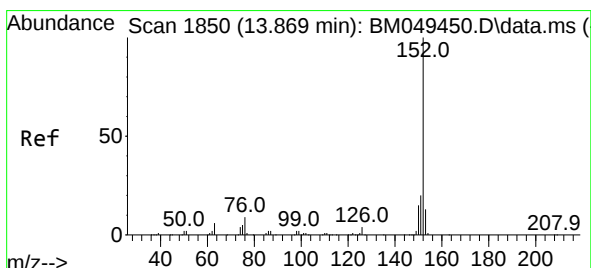
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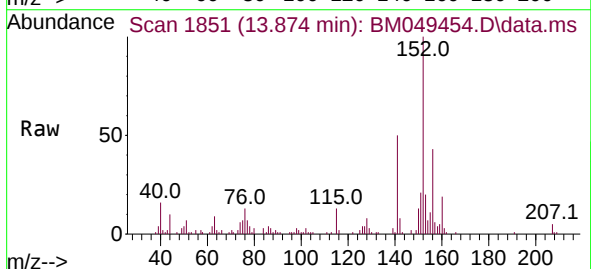


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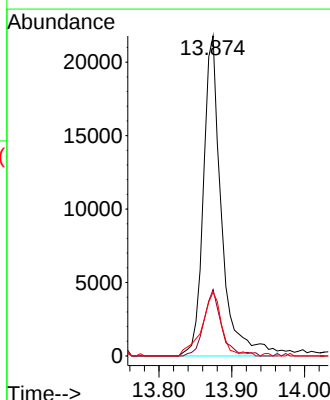
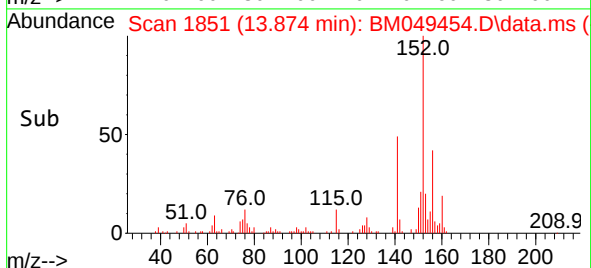
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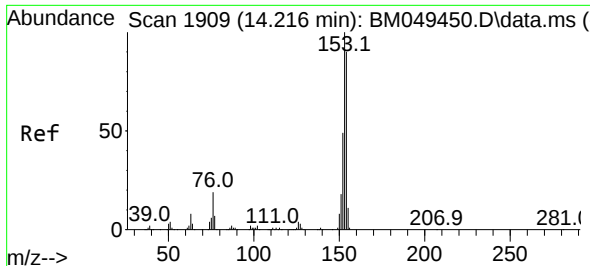


#50
Acenaphthylene
Concen: 1.145 ng/ul m
RT: 13.874 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049454.D
Acq: 27 Jan 2025 18:42



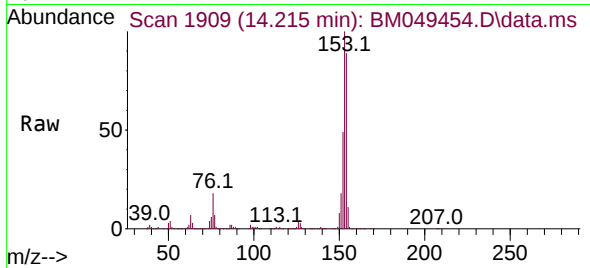
Tgt Ion:152 Resp: 37647
Ion Ratio Lower Upper
152 100
151 20.7 15.8 23.8
153 19.9 10.6 15.8#





#52
Acenaphthene
Concen: 27.108 ng/ul
RT: 14.215 min Scan# 1909
Delta R.T. -0.012 min
Lab File: BM049454.D
Acq: 27 Jan 2025 18:42

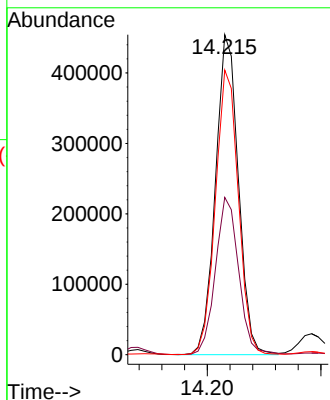
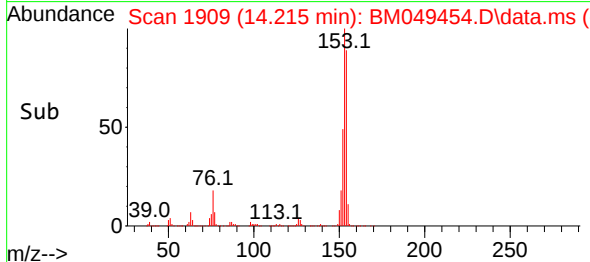
Instrument :
BNA_M
ClientSampleId :
DCZH4ME



Tgt Ion:153 Resp: 63662
Ion Ratio Lower Upper
153 100
152 49.1 39.0 58.6
154 88.9 71.6 107.4

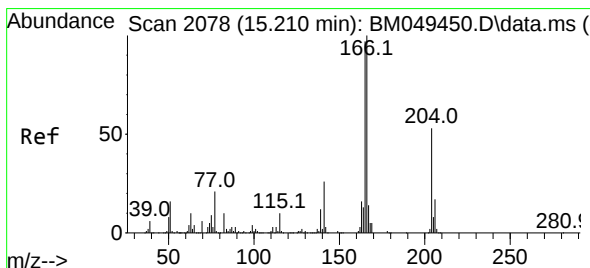
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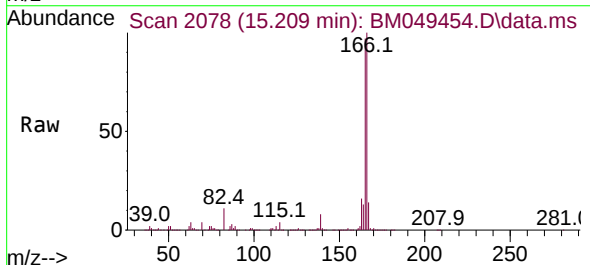


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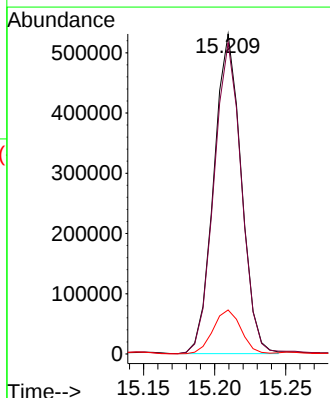
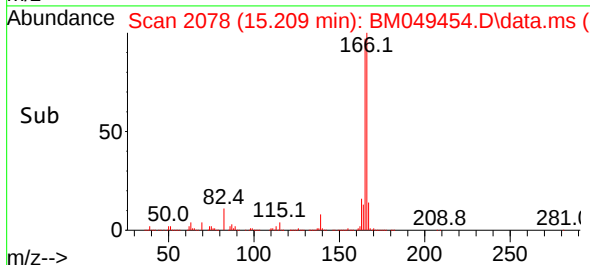
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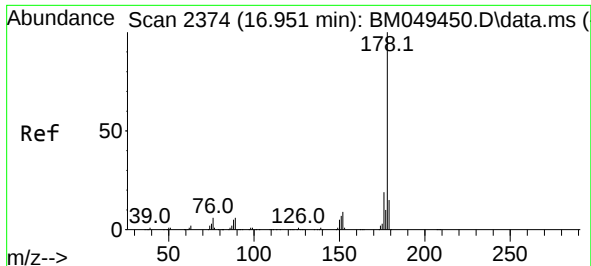


#61
Fluorene
Concen: 26.176 ng/ul
RT: 15.209 min Scan# 2078
Delta R.T. -0.012 min
Lab File: BM049454.D
Acq: 27 Jan 2025 18:42



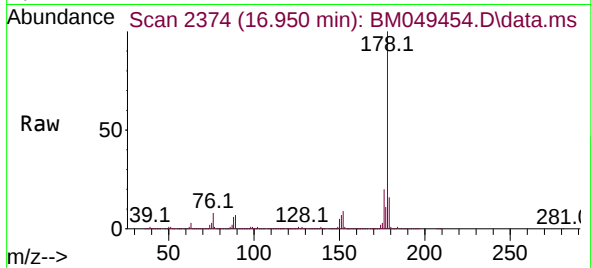
Tgt Ion:166 Resp: 713233
Ion Ratio Lower Upper
166 100
165 97.3 77.7 116.5
167 13.8 10.7 16.1





#72
Phenanthrene
Concen: 126.019 ng/ul
RT: 16.950 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049454.D
Acq: 27 Jan 2025 18:42

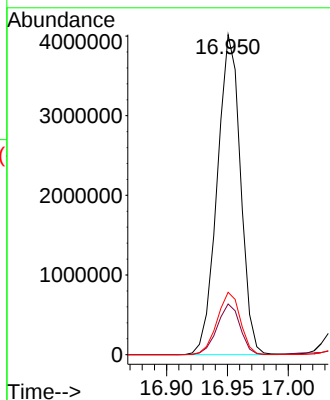
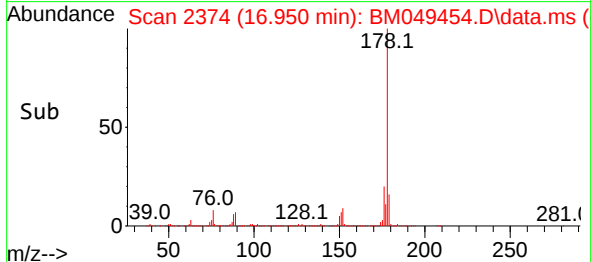
Instrument :
BNA_M
ClientSampleId :
DCZH4ME



Tgt Ion:178 Resp: 5347890
Ion Ratio Lower Upper
178 100
179 15.9 12.6 19.0
176 19.5 15.4 23.2

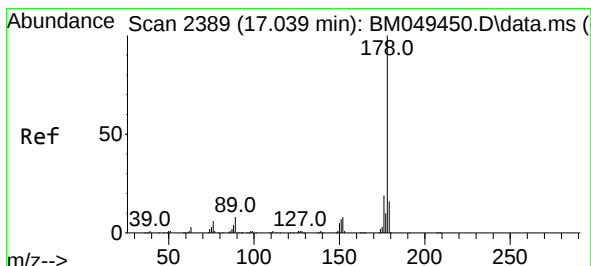
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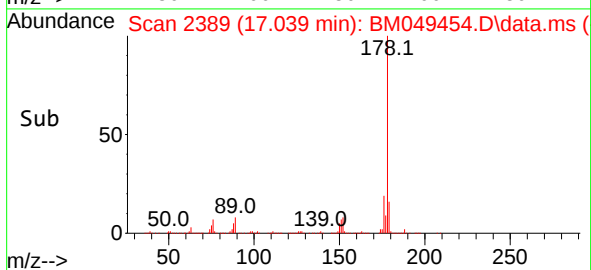
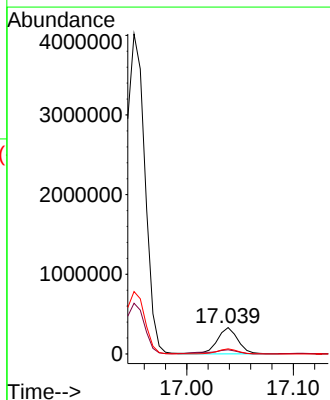
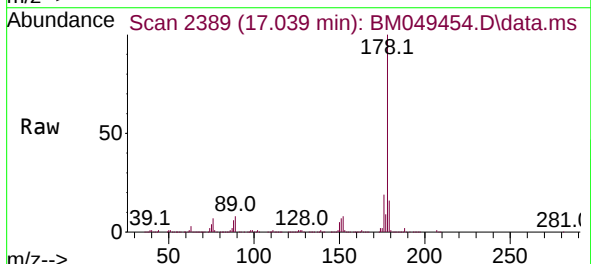
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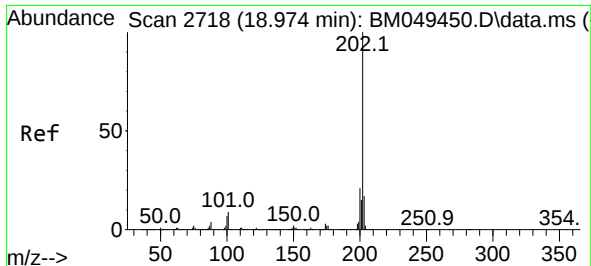
01/31/2025



#74
Anthracene
Concen: 10.487 ng/ul
RT: 17.039 min Scan# 2389
Delta R.T. -0.012 min
Lab File: BM049454.D
Acq: 27 Jan 2025 18:42

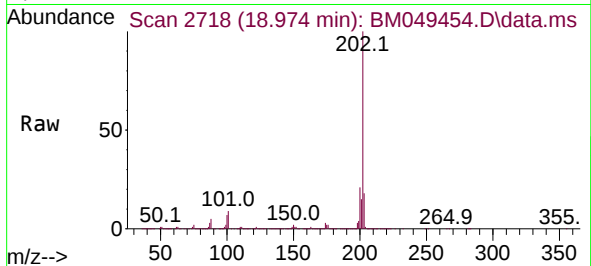
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Ion Ratio Lower Upper
178 100
179 15.9 12.5 18.7
176 19.4 15.1 22.7





#80
Fluoranthene
Concen: 52.522 ng/ul
RT: 18.974 min Scan# 2718
Delta R.T. -0.012 min
Lab File: BM049454.D
Acq: 27 Jan 2025 18:42

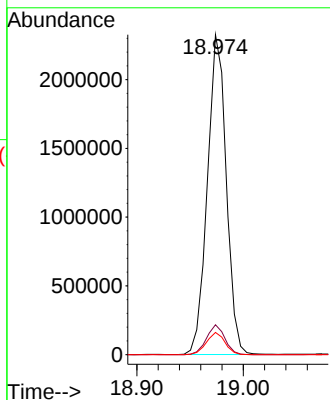
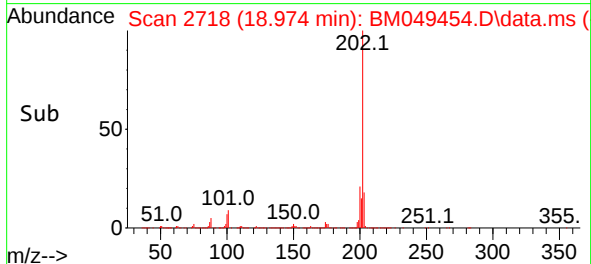
Instrument :
BNA_M
ClientSampleId :
DCZH4ME



Tgt Ion:202 Resp: 2877370
Ion Ratio Lower Upper
202 100
101 9.3 7.0 10.4
100 7.0 5.0 7.6

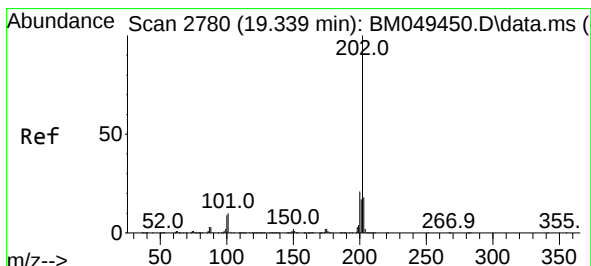
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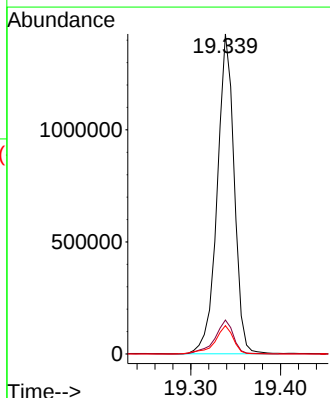
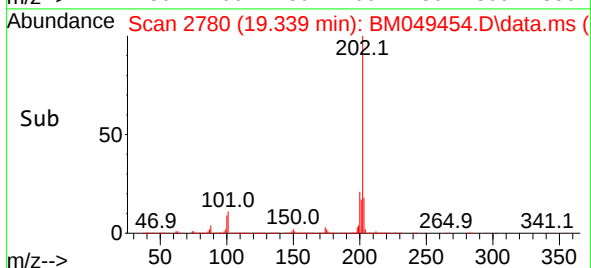
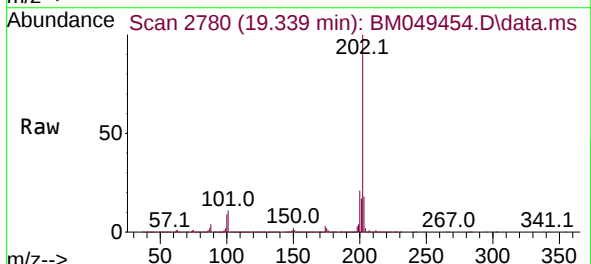
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ahmed

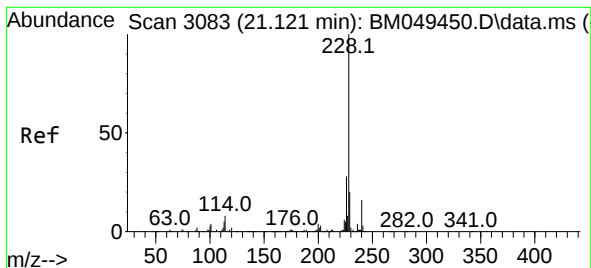
01/31/2025



#82
Pyrene
Concen: 32.201 ng/ul
RT: 19.339 min Scan# 2780
Delta R.T. -0.012 min
Lab File: BM049454.D
Acq: 27 Jan 2025 18:42

Tgt Ion:202 Resp: 1877836
Ion Ratio Lower Upper
202 100
101 10.6 7.8 11.8
100 8.8 6.6 10.0





#85

Benzo(a)anthracene

Concen: 7.396 ng/ul

RT: 21.121 min Scan# 3083

Delta R.T. -0.012 min

Lab File: BM049454.D

Acq: 27 Jan 2025 18:42

Instrument :

BNA_M

ClientSampleId :

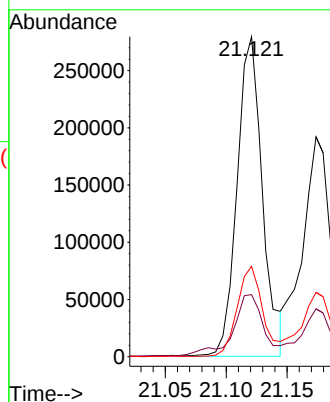
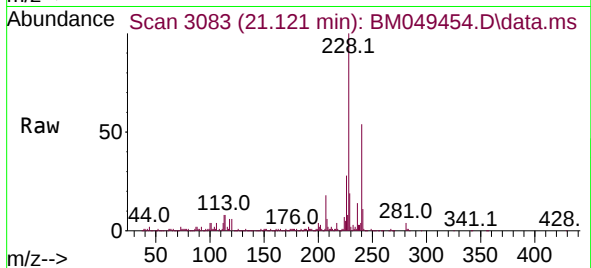
DCZH4ME

Tgt Ion:228 Resp: 403784

Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.8	23.6
226	28.2	22.1	33.1

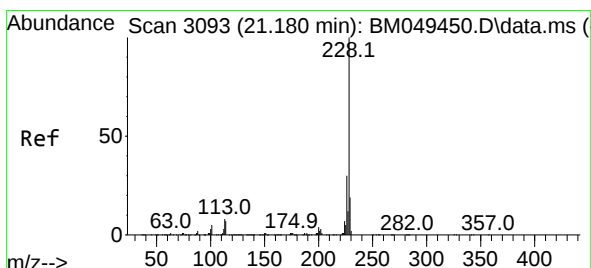
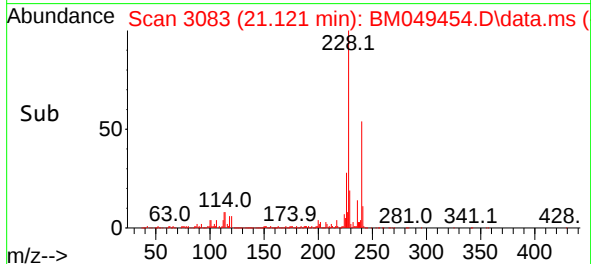
Manual Integrations
APPROVED

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Supervised By :mohammad
ahmed

01/31/2025



#87

Chrysene

Concen: 6.144 ng/ul

RT: 21.174 min Scan# 3092

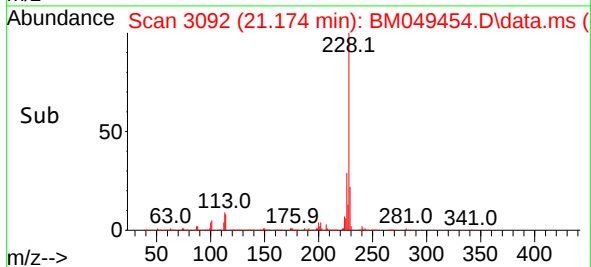
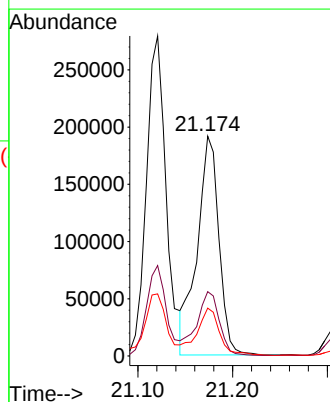
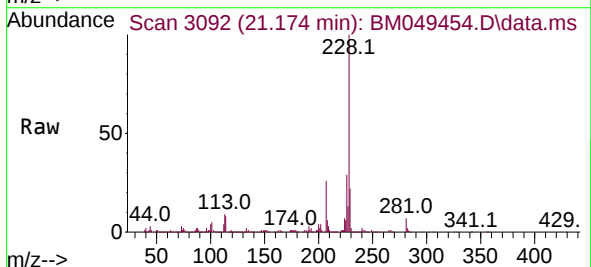
Delta R.T. -0.012 min

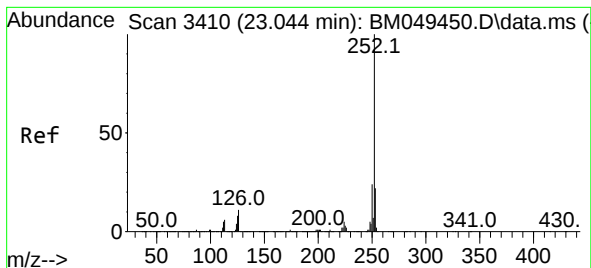
Lab File: BM049454.D

Acq: 27 Jan 2025 18:42

Tgt Ion:228 Resp: 306239

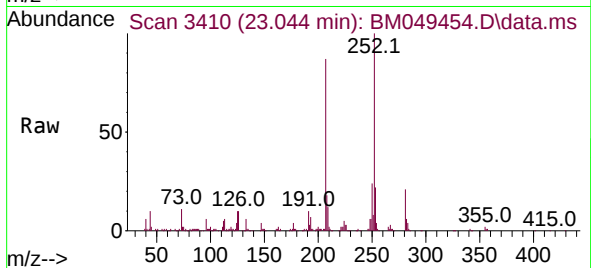
Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.3	36.5
229	21.7	16.0	24.0





#90
Benzo(b)fluoranthene
Concen: 3.352 ng/ul
RT: 23.044 min Scan# 3410
Delta R.T. -0.012 min
Lab File: BM049454.D
Acq: 27 Jan 2025 18:42

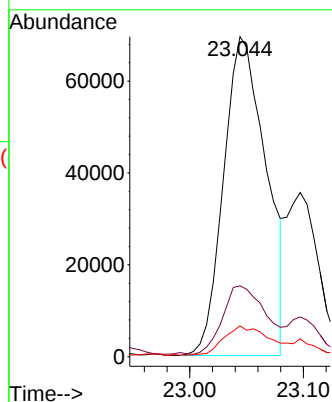
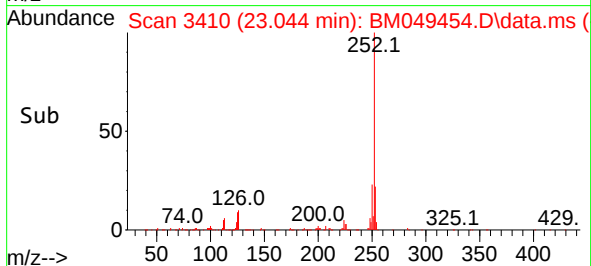
Instrument :
BNA_M
ClientSampleId :
DCZH4ME



Tgt Ion:252 Resp: 180910
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 9.6 6.6 9.8

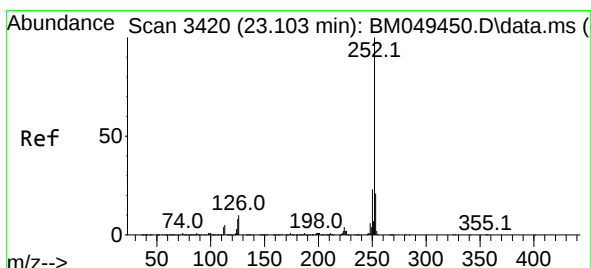
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

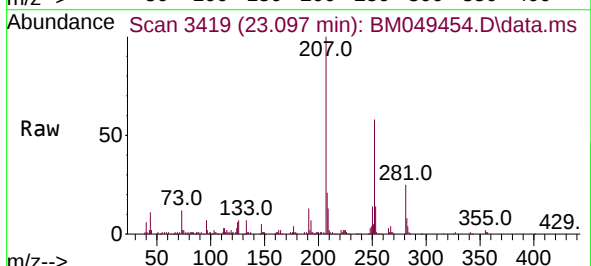


01/28/2025
Supervised By :mohammad
ahmed

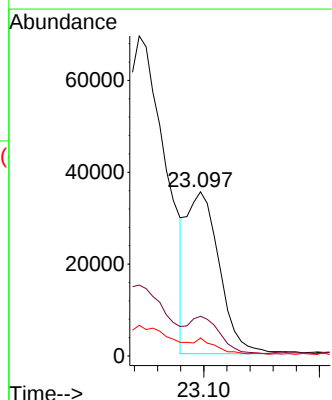
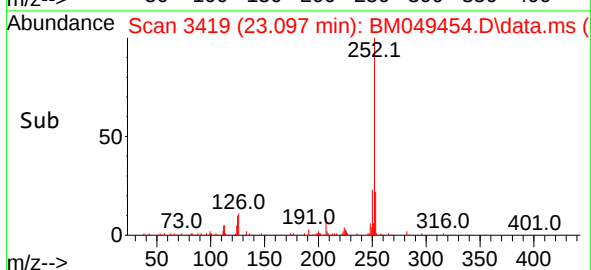
01/31/2025

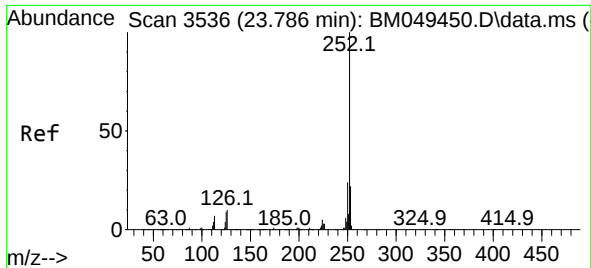


#91
Benzo(k)fluoranthene
Concen: 1.289 ng/ul m
RT: 23.097 min Scan# 3419
Delta R.T. -0.018 min
Lab File: BM049454.D
Acq: 27 Jan 2025 18:42



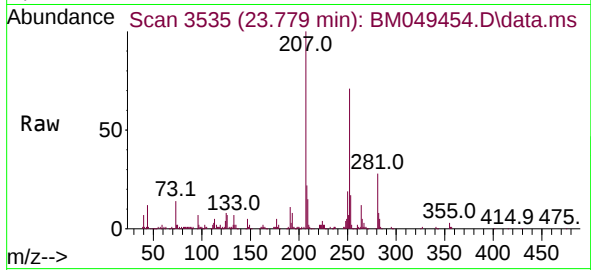
Tgt Ion:252 Resp: 69370
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 10.9 6.5 9.7#





#93
Benzo(a)pyrene
Concen: 1.860 ng/ul
RT: 23.779 min Scan# 31
Delta R.T. -0.018 min
Lab File: BM049454.D
Acq: 27 Jan 2025 18:42

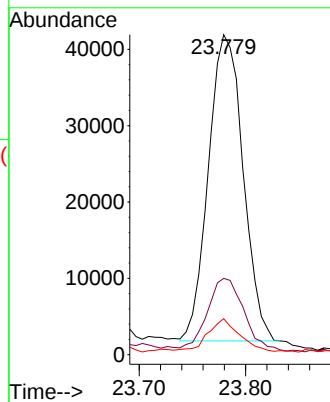
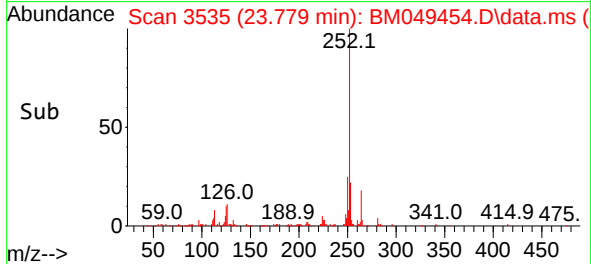
Instrument :
BNA_M
ClientSampleId :
DCZH4ME



Tgt Ion:252 Resp: 90669
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.2
125 11.2 6.9 10.3

Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay



01/28/2025
Supervised By :mohammad
ahmed

01/31/2025