

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049420.D
 Acq On : 23 Jan 2025 15:31
 Operator : RC/JU
 Sample : Q1139-07DL 10X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH4DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/24/2025
 Supervised By :mohammad ahmed 01/24/2025

Quant Time: Jan 23 23:11:07 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	248510	20.000	ng/u1	0.00
20) Naphthalene-d8	10.280	136	888338	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.157	164	583886	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.909	188	1118464	20.000	ng/u1	0.00
79) Chrysene-d12	21.139	240	1064315	20.000	ng/u1	0.00
88) Perylene-d12	23.915	264	1011870	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	3030	0.504	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.710	99	33413	1.602	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	28532	2.054	ng/u1	0.00
11) 2-Chlorophenol-d4	7.057	132	28954	1.814	ng/u1	0.00
15) 4-Methylphenol-d8	8.234	113	24203	1.496	ng/u1	0.00
21) Nitrobenzene-d5	8.663	128	12529	1.850	ng/u1	0.00
24) 2-Nitrophenol-d4	9.375	143	11384	1.503	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.916	165	27713m	1.793	ng/u1	0.00
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/u1	
46) Dimethylphthalate-d6	13.580	166	100295	2.308	ng/u1	0.00
49) Acenaphthylene-d8	13.845	160	109288	2.203	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.157	176	89183	2.376	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.292	200	2404	0.337	ng/u1	0.00
73) Anthracene-d10	17.009	188	134768	2.437	ng/u1	0.00
81) Pyrene-d10	19.315	212	130296	2.012	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.727	264	64490	1.187	ng/u1	-0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.333	128	9410130	199.602	ng/u1	98
36) 2-Methylnaphthalene	11.951	142	2374229	70.377	ng/u1	99
37) 1-Methylnaphthalene	12.169	142	1028683	30.646	ng/u1	99
50) Acenaphthylene	13.874	152	88929	1.748	ng/u1#	92
52) Acenaphthene	14.221	153	2338824	64.361	ng/u1	100
61) Fluorene	15.215	166	2794377	66.277	ng/u1	98
72) Phenanthrene	16.956	178	14939493	240.263	ng/u1	96
74) Anthracene	17.045	178	3226119	51.691	ng/u1	100
80) Fluoranthene	18.980	202	9215734	123.818	ng/u1	100
82) Pyrene	19.345	202	4436846	56.001	ng/u1	99
85) Benzo(a)anthracene	21.121	228	1269029	17.110	ng/u1	100
87) Chrysene	21.180	228	1065193	15.731	ng/u1	99
90) Benzo(b)fluoranthene	23.044	252	547583	8.085	ng/u1	99
91) Benzo(k)fluoranthene	23.097	252	181296m	2.685	ng/u1	
93) Benzo(a)pyrene	23.780	252	122638	2.005	ng/u1	100

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

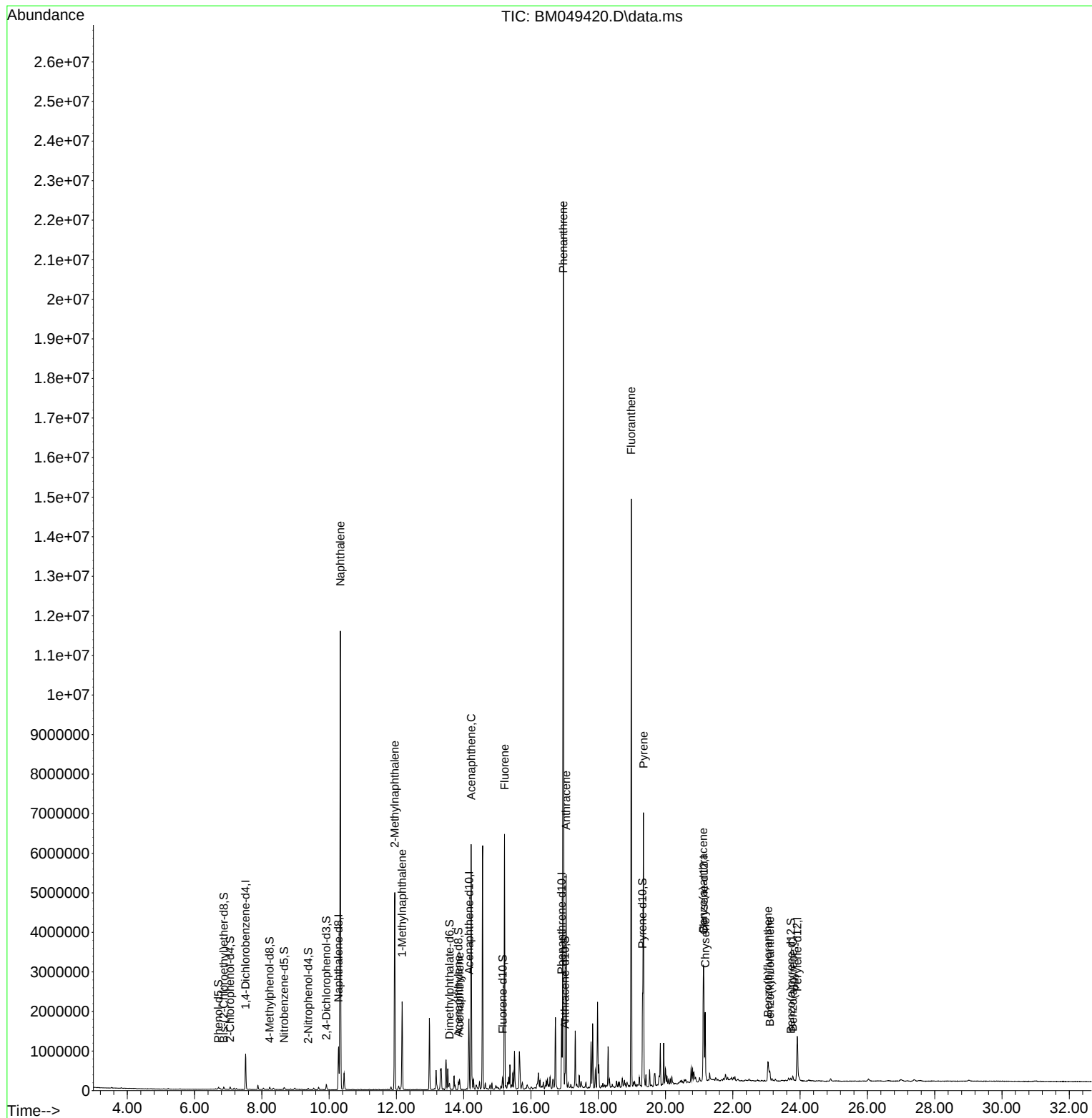
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049420.D
Acq On : 23 Jan 2025 15:31
Operator : RC/JU
Sample : Q1139-07DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

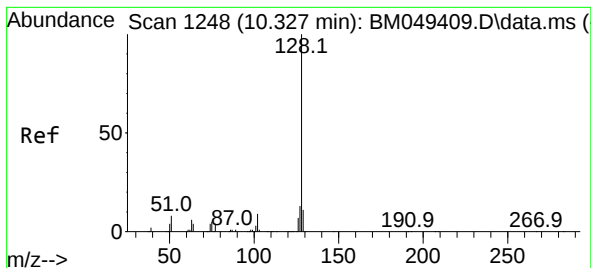
Instrument :
BNA_M
ClientSampleId :
DCZH4DL

Quant Time: Jan 23 23:11:07 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

Manual Integrations
APPROVED

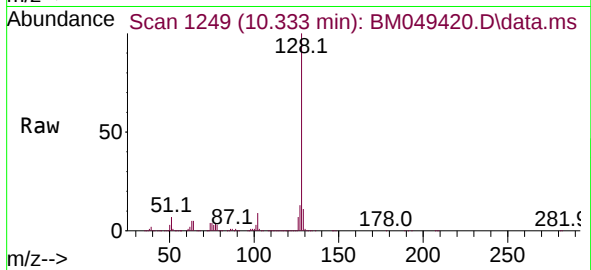
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025





#30
Naphthalene
Concen: 199.602 ng/ul
RT: 10.333 min Scan# 1249
Delta R.T. -0.000 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31

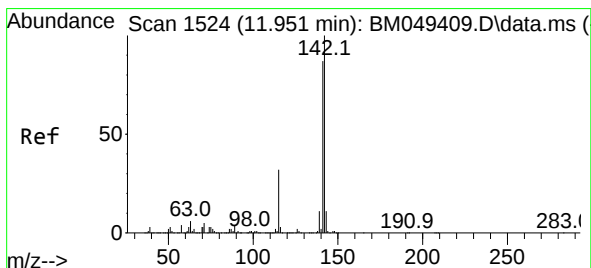
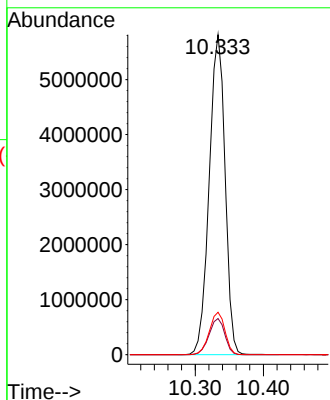
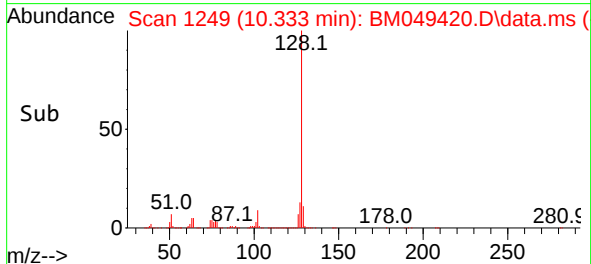
Instrument :
BNA_M
ClientSampleId :
DCZH4DL



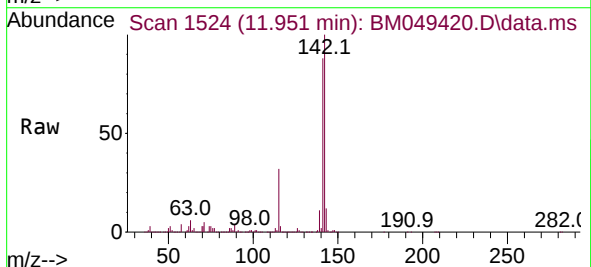
Tgt Ion:128 Resp: 9410130
Ion Ratio Lower Upper
128 100
129 11.3 8.5 12.7
127 13.2 10.2 15.2

Manual Integrations
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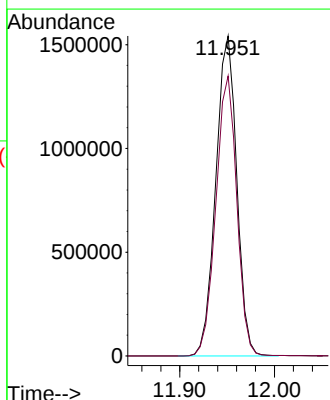
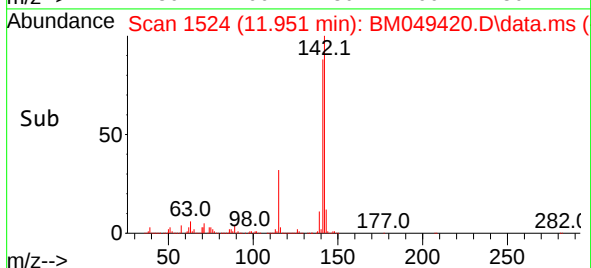
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

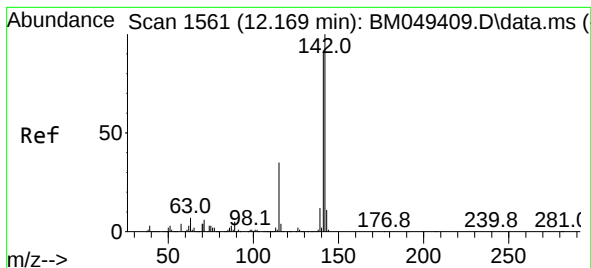


#36
2-Methylnaphthalene
Concen: 70.377 ng/ul
RT: 11.951 min Scan# 1524
Delta R.T. -0.006 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31



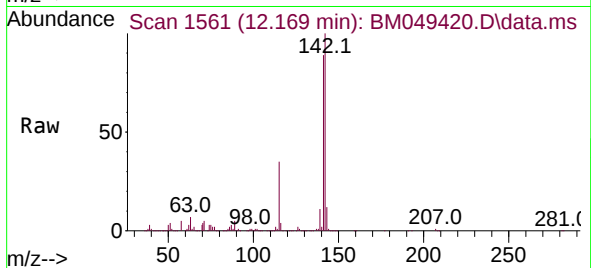
Tgt Ion:142 Resp: 2374229
Ion Ratio Lower Upper
142 100
141 87.5 69.6 104.4





#37
1-Methylnaphthalene
Concen: 30.646 ng/ul
RT: 12.169 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31

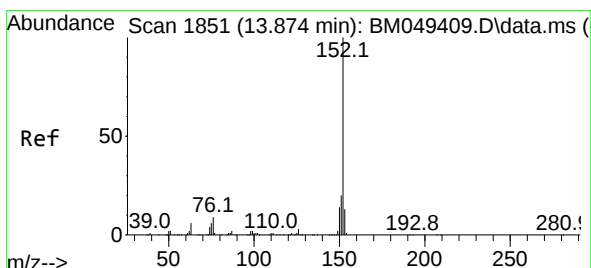
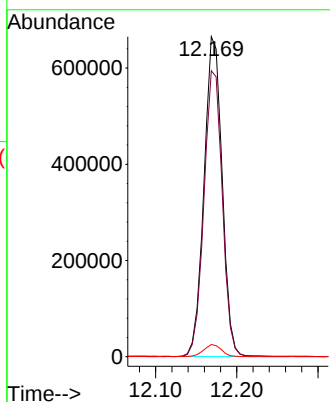
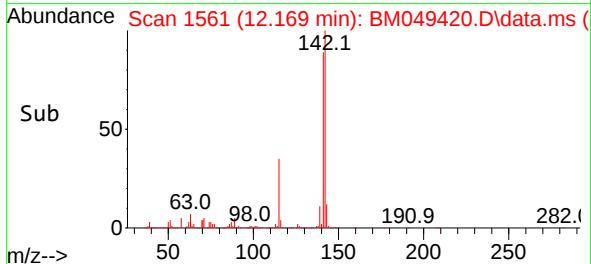
Instrument :
BNA_M
ClientSampleId :
DCZH4DL



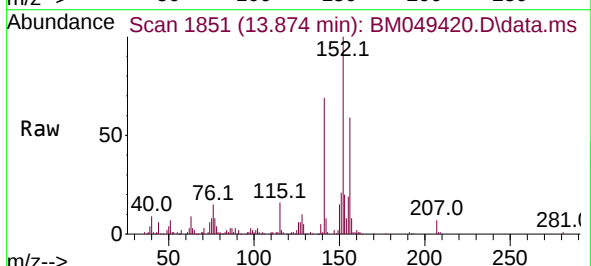
Tgt Ion:142 Resp: 102868
Ion Ratio Lower Upper
142 100
141 89.3 71.9 107.9
116 3.8 2.8 4.2

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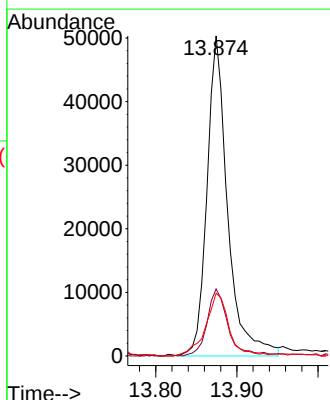
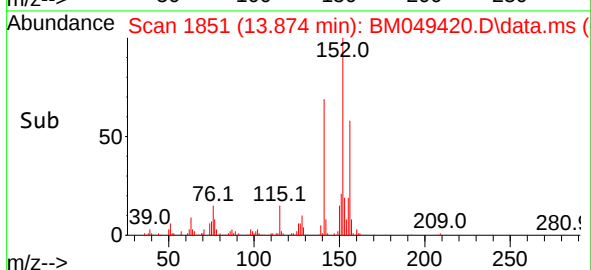
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

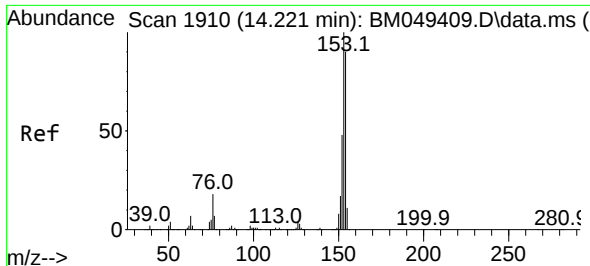


#50
Acenaphthylene
Concen: 1.748 ng/ul
RT: 13.874 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31



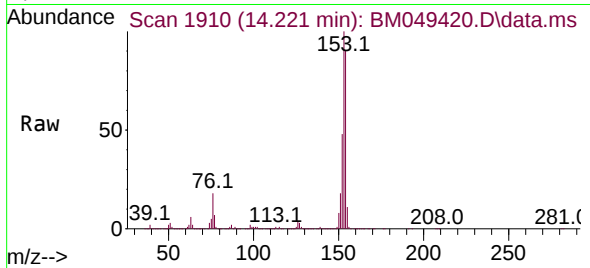
Tgt Ion:152 Resp: 88929
Ion Ratio Lower Upper
152 100
151 21.0 15.8 23.8
153 19.6 10.6 15.8#





#52
Acenaphthene
Concen: 64.361 ng/ul
RT: 14.221 min Scan# 1910
Delta R.T. -0.006 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31

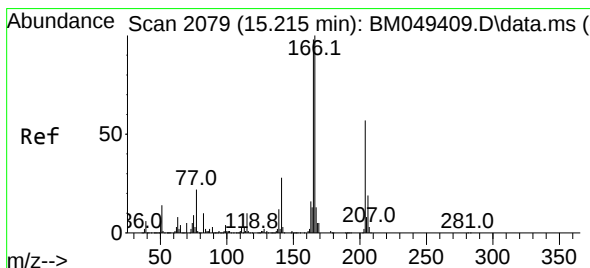
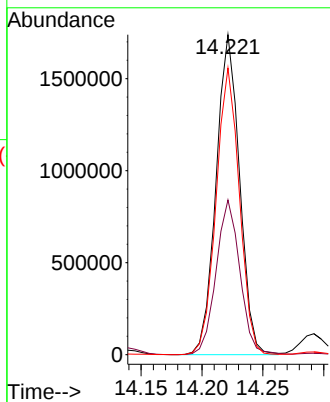
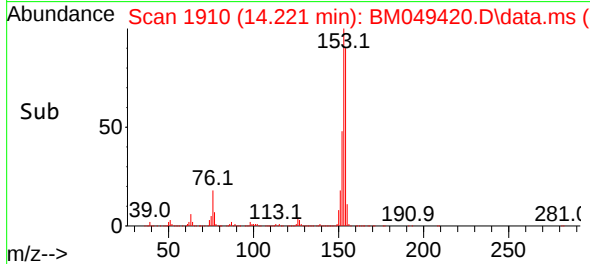
Instrument :
BNA_M
ClientSampleId :
DCZH4DL



Tgt Ion:153 Resp: 2338824
Ion Ratio Lower Upper
153 100
152 48.4 39.0 58.6
154 89.6 71.6 107.4

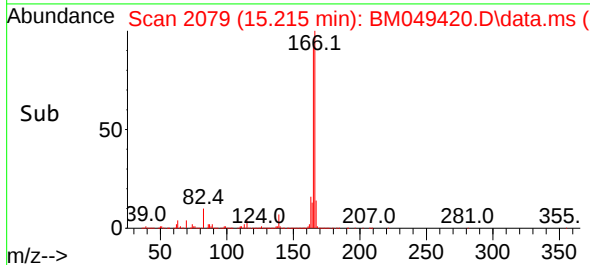
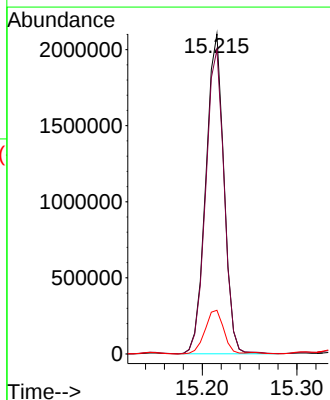
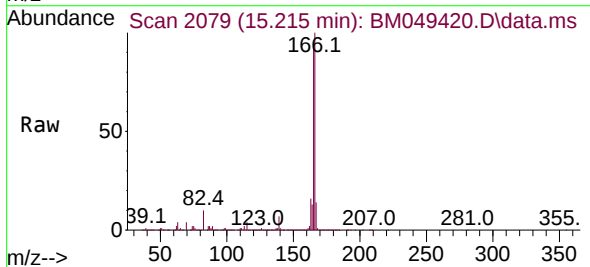
Manual Integrations
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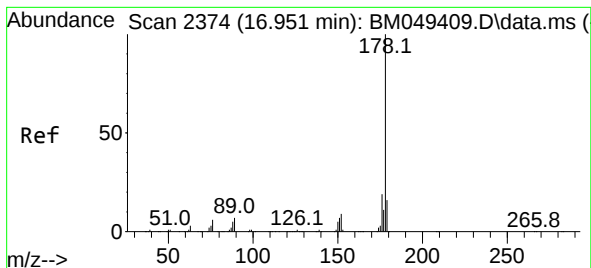
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#61
Fluorene
Concen: 66.277 ng/ul
RT: 15.215 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31

Tgt Ion:166 Resp: 2794377
Ion Ratio Lower Upper
166 100
165 95.1 77.7 116.5
167 13.7 10.7 16.1





#72

Phenanthrene

Concen: 240.263 ng/u1

RT: 16.956 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM049420.D

Acq: 23 Jan 2025 15:31

Instrument :

BNA_M

ClientSampleId :

DCZH4DL

Tgt Ion:178 Resp:1493949

Ion Ratio Lower Upper

178 100

179 17.4 12.6 19.0

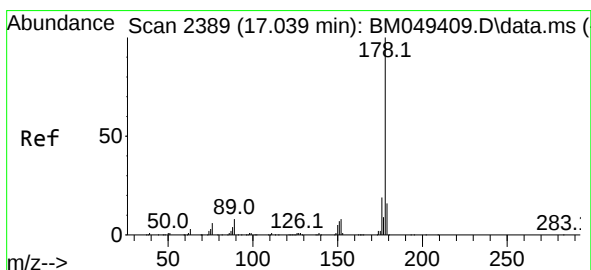
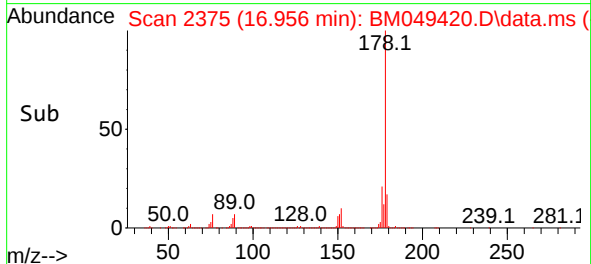
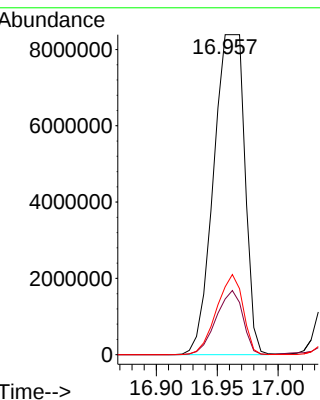
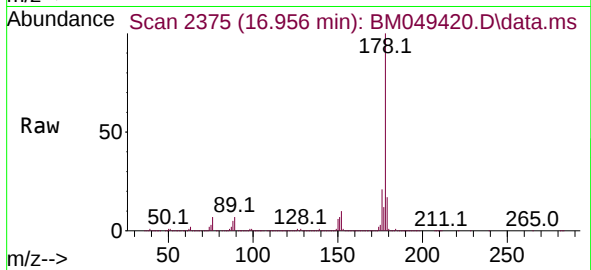
176 21.2 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025



#74

Anthracene

Concen: 51.691 ng/u1

RT: 17.045 min Scan# 2390

Delta R.T. -0.006 min

Lab File: BM049420.D

Acq: 23 Jan 2025 15:31

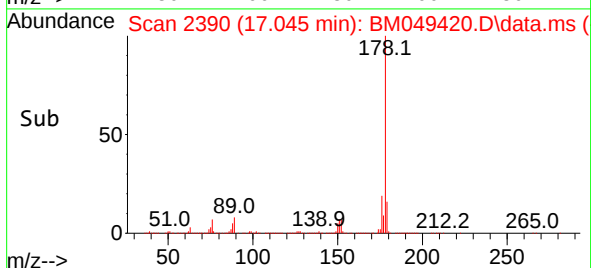
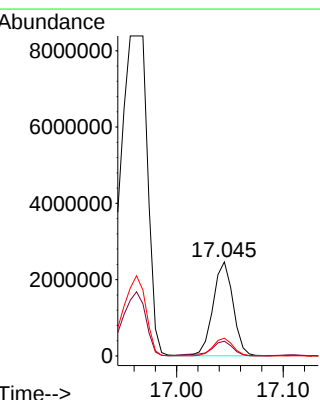
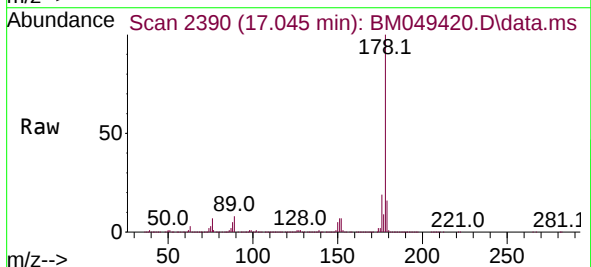
Tgt Ion:178 Resp: 3226119

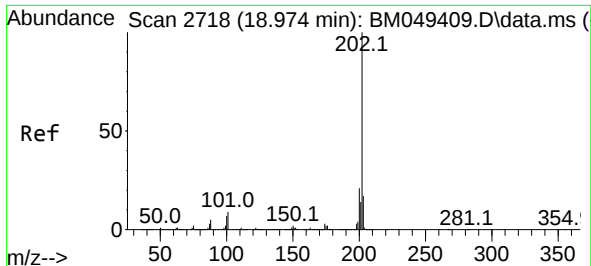
Ion Ratio Lower Upper

178 100

179 15.6 12.5 18.7

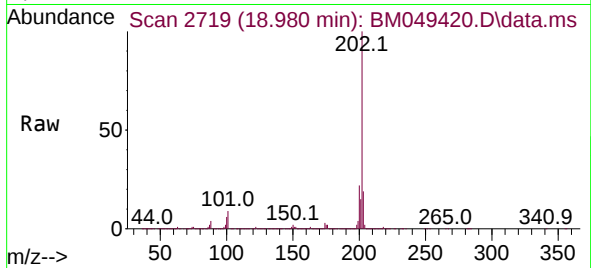
176 18.9 15.1 22.7





#80
Fluoranthene
Concen: 123.818 ng/u1
RT: 18.980 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31

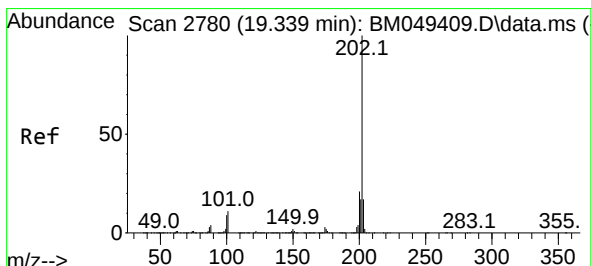
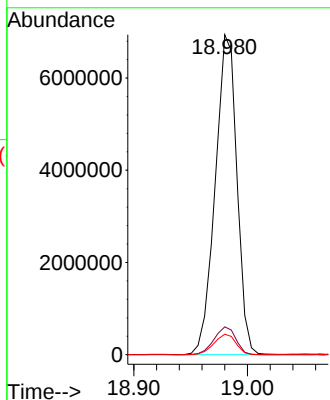
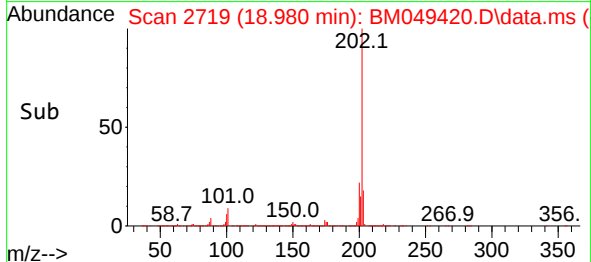
Instrument :
BNA_M
ClientSampleId :
DCZH4DL



Tgt Ion:202 Resp: 9215734
Ion Ratio Lower Upper
202 100
101 8.7 7.0 10.4
100 6.4 5.0 7.6

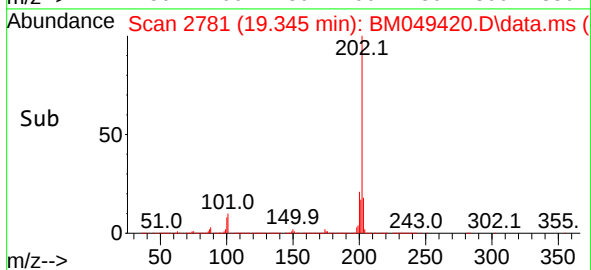
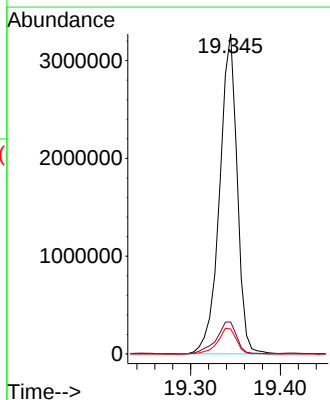
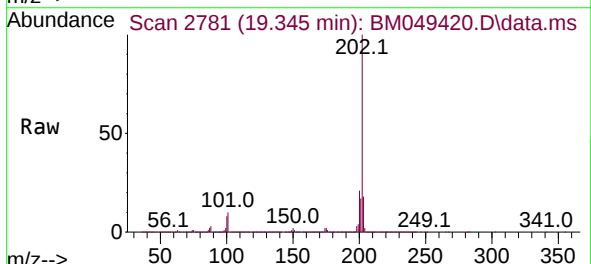
Manual Integrations
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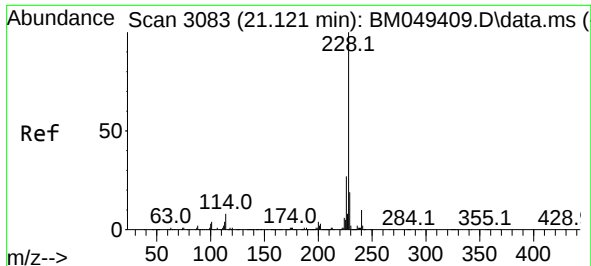
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#82
Pyrene
Concen: 56.001 ng/u1
RT: 19.345 min Scan# 2781
Delta R.T. -0.006 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31

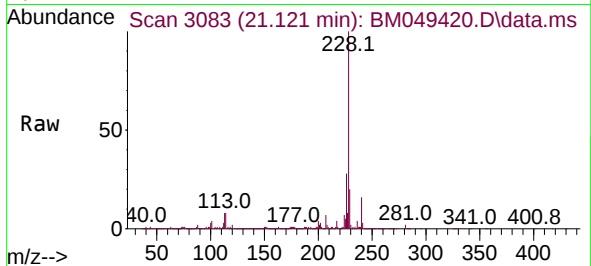
Tgt Ion:202 Resp: 4436846
Ion Ratio Lower Upper
202 100
101 10.0 7.8 11.8
100 7.8 6.6 10.0





#85
Benzo(a)anthracene
Concen: 17.110 ng/ul
RT: 21.121 min Scan# 3083
Delta R.T. -0.012 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31

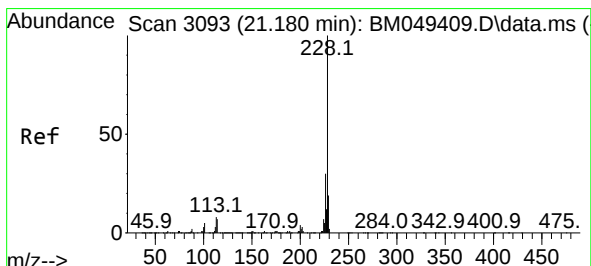
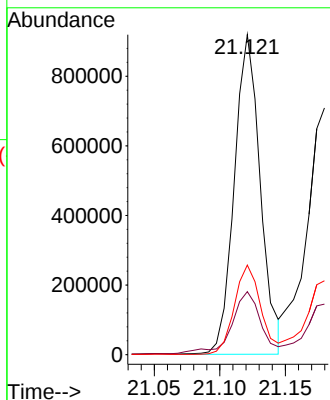
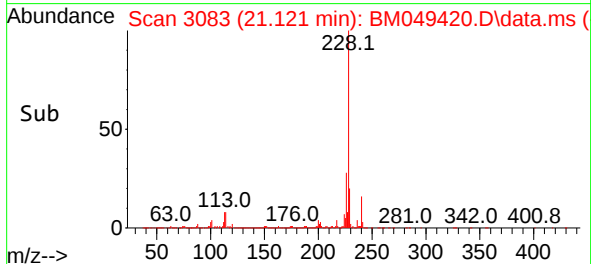
Instrument :
BNA_M
ClientSampleId :
DCZH4DL



Tgt Ion:228 Resp: 1269029
Ion Ratio Lower Upper
228 100
229 19.7 15.8 23.6
226 28.0 22.1 33.1

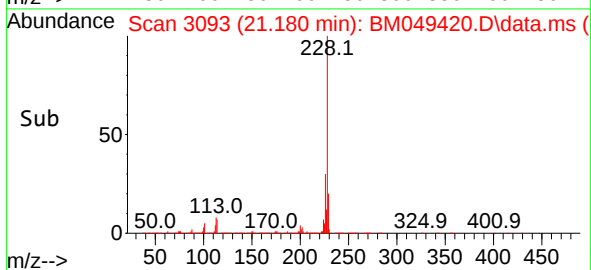
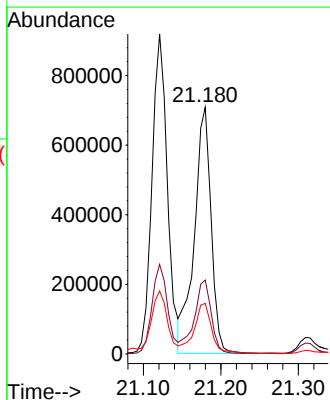
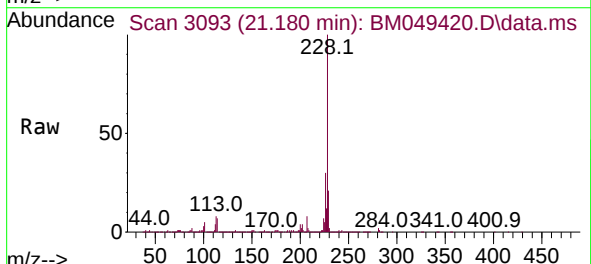
Manual Integrations
APPROVED

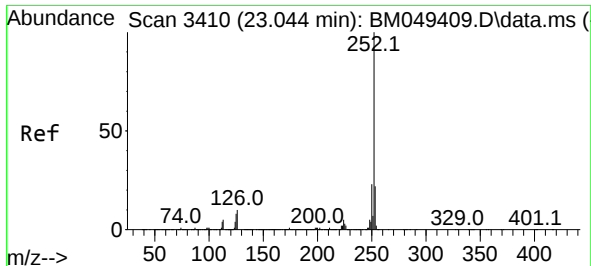
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#87
Chrysene
Concen: 15.731 ng/ul
RT: 21.180 min Scan# 3093
Delta R.T. -0.006 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31

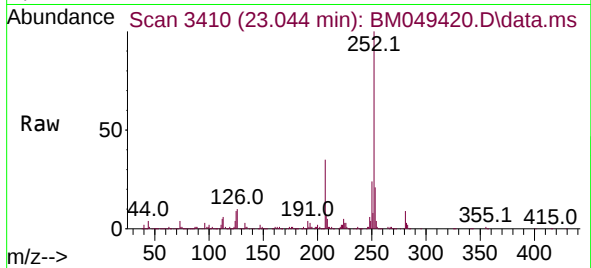
Tgt Ion:228 Resp: 1065193
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 20.5 16.0 24.0





#90
Benzo(b)fluoranthene
Concen: 8.085 ng/ul
RT: 23.044 min Scan# 3410
Delta R.T. -0.012 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31

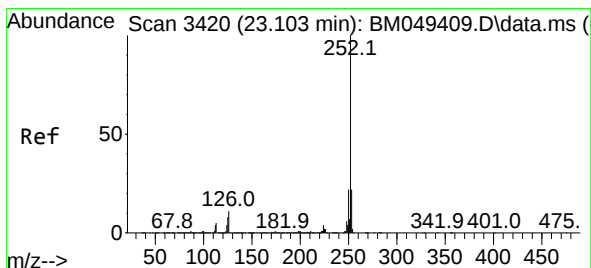
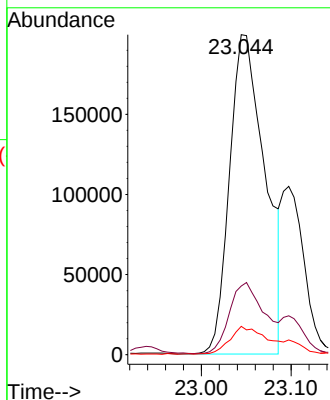
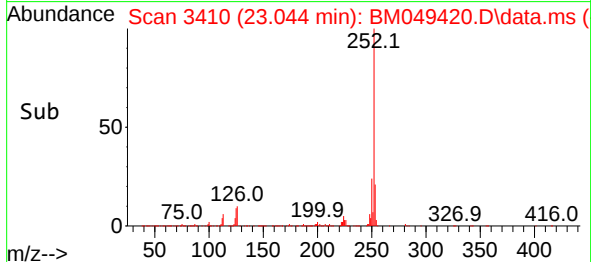
Instrument :
BNA_M
ClientSampleId :
DCZH4DL



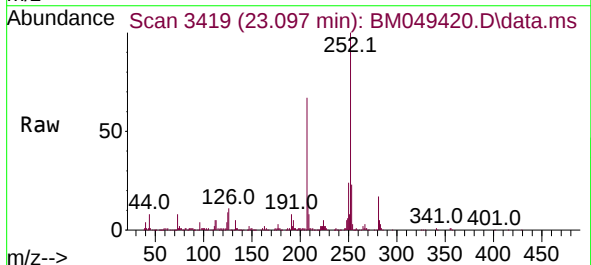
Tgt Ion:252 Resp: 54758
Ion Ratio Lower Upper
252 100
253 21.5 17.4 26.2
125 8.9 6.6 9.8

Manual Integrations
APPROVED

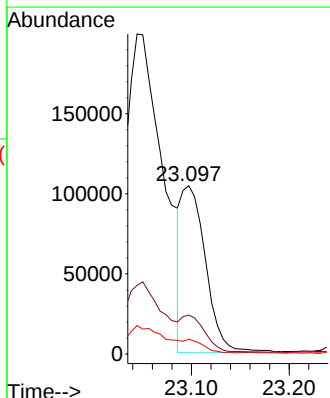
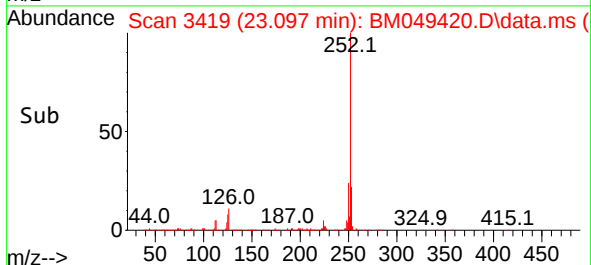
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

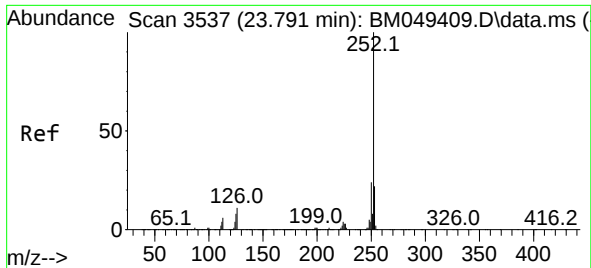


#91
Benzo(k)fluoranthene
Concen: 2.685 ng/ul m
RT: 23.097 min Scan# 3419
Delta R.T. -0.018 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31



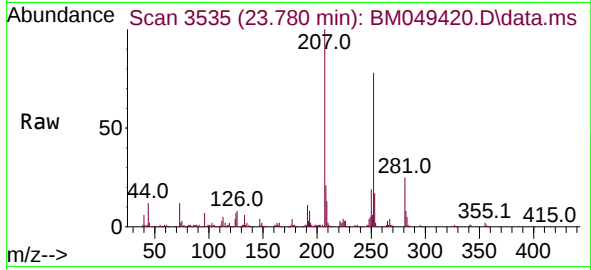
Tgt Ion:252 Resp: 181296
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 8.7 6.5 9.7





#93
Benzo(a)pyrene
Concen: 2.005 ng/ul
RT: 23.780 min Scan# 3535
Delta R.T. -0.018 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31

Instrument :
BNA_M
ClientSampleId :
DCZH4DL



Tgt Ion:252 Resp: 122638
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 9.0 6.9 10.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

