

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049427.D
 Acq On : 23 Jan 2025 20:43
 Operator : RC/JU
 Sample : Q1139-12DL2 30X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH9DL2

Manual Integrations
 APPROVED

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

Quant Time: Jan 23 23:43:20 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	222831	20.000	ng/u1	0.00
20) Naphthalene-d8	10.275	136	785181	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.157	164	478417	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.909	188	988460	20.000	ng/u1	0.00
79) Chrysene-d12	21.139	240	1014305	20.000	ng/u1	0.00
88) Perylene-d12	23.915	264	991553	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.716	99	11082	0.592	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	10447	0.839	ng/u1	0.00
11) 2-Chlorophenol-d4	7.063	132	9944m	0.695	ng/u1	0.00
15) 4-Methylphenol-d8	8.245	113	7246	0.500	ng/u1	0.00
21) Nitrobenzene-d5	8.675	128	3853	0.644	ng/u1	0.00
24) 2-Nitrophenol-d4	9.381	143	3560	0.532	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.933	165	8519m	0.624	ng/u1	0.02
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/u1	
46) Dimethylphthalate-d6	13.580	166	34058	0.956	ng/u1	0.00
49) Acenaphthylene-d8	13.845	160	34769	0.855	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.157	176	27538	0.895	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.004	188	45796	0.937	ng/u1	-0.01
81) Pyrene-d10	19.309	212	44795	0.726	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.727	264	29855	0.561	ng/u1	-0.02
Target Compounds					Qvalue	
37) 1-Methylnaphthalene	12.169	142	66193	2.231	ng/u1	97
50) Acenaphthylene	13.874	152	46758	1.122	ng/u1#	95
52) Acenaphthene	14.221	153	1058492	35.550	ng/u1	100
61) Fluorene	15.210	166	1117715	32.354	ng/u1	99
72) Phenanthrene	16.957	178	8311722	151.253	ng/u1	99
74) Anthracene	17.039	178	909229	16.484	ng/u1	100
80) Fluoranthene	18.986	202	11784415	166.136	ng/u1	100
82) Pyrene	19.345	202	5793944	76.735	ng/u1	99
85) Benzo(a)anthracene	21.121	228	1266341	17.915	ng/u1	99
87) Chrysene	21.180	228	1666909	25.831	ng/u1	100
90) Benzo(b)fluoranthene	23.044	252	744974	11.225	ng/u1	99
91) Benzo(k)fluoranthene	23.097	252	302548m	4.572	ng/u1	
93) Benzo(a)pyrene	23.780	252	129363	2.158	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	26.985	276	70799	1.030	ng/u1	98

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

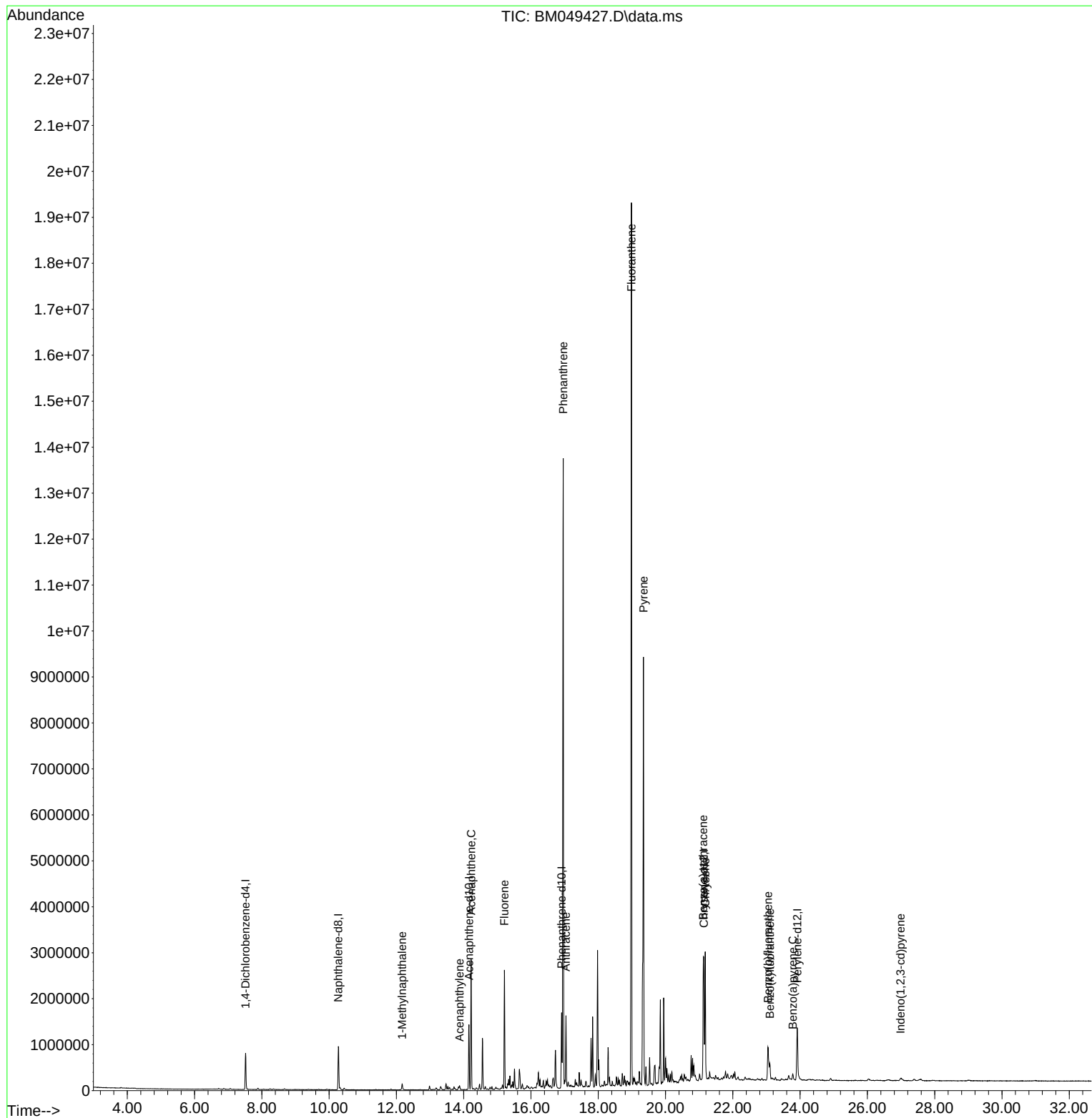
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049427.D
Acq On : 23 Jan 2025 20:43
Operator : RC/JU
Sample : Q1139-12DL2 30X
Misc :
ALS Vial : 50 Sample Multiplier: 1

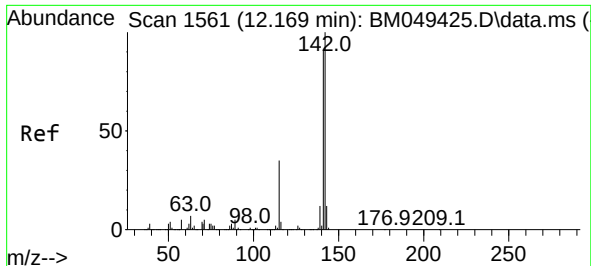
Instrument :
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Quant Title : SVOA CALIBRATION
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#37

1-Methylnaphthalene

Concen: 2.231 ng/ul

RT: 12.169 min Scan# 1561

Delta R.T. -0.012 min

Lab File: BM049427.D

Acq: 23 Jan 2025 20:43

Instrument :

BNA_M

ClientSampleId :

DCZH9DL2

Tgt Ion:142 Resp: 6619

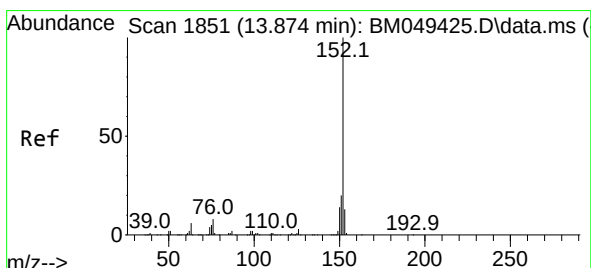
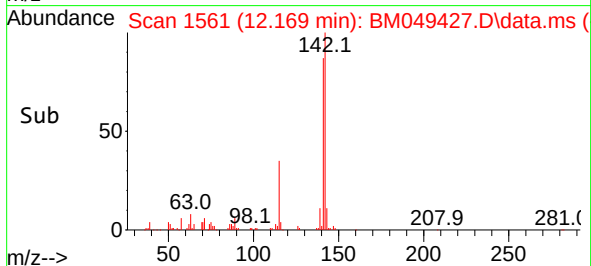
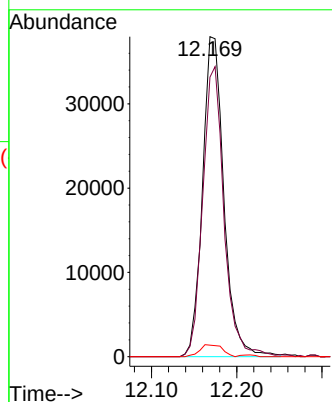
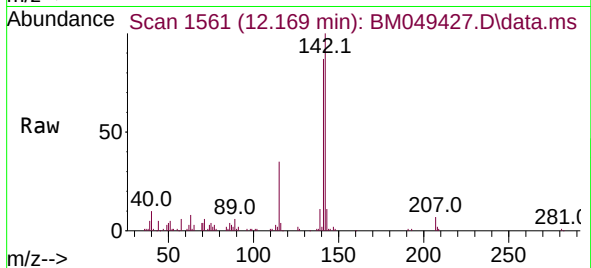
Ion	Ratio	Lower	Upper
142	100		
141	87.3	71.9	107.9
116	3.6	2.8	4.2

Manual Integrations

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#50

Acenaphthylene

Concen: 1.122 ng/ul

RT: 13.874 min Scan# 1851

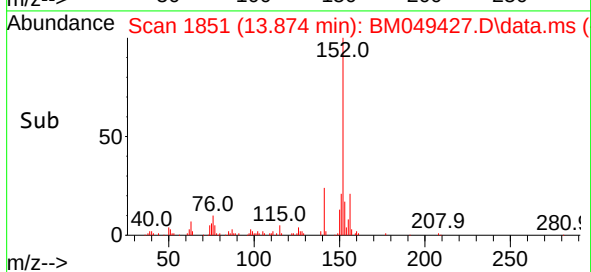
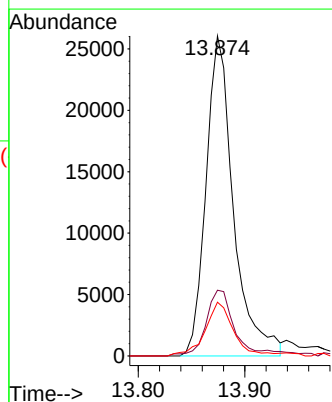
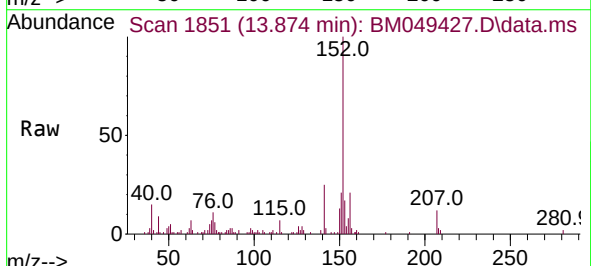
Delta R.T. -0.006 min

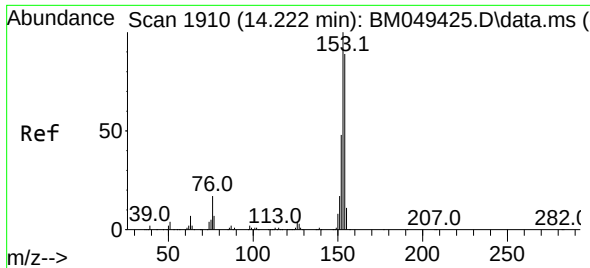
Lab File: BM049427.D

Acq: 23 Jan 2025 20:43

Tgt Ion:152 Resp: 46758

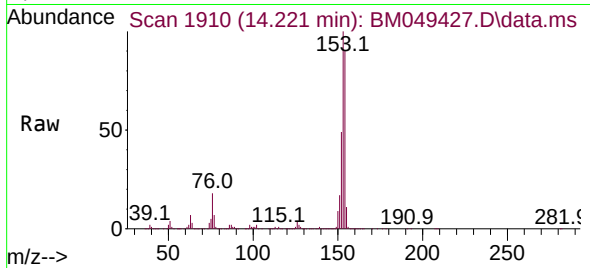
Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.8	23.8
153	16.8	10.6	15.8#





#52
Acenaphthene
Concen: 35.550 ng/ul
RT: 14.221 min Scan# 1910
Delta R.T. -0.006 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43

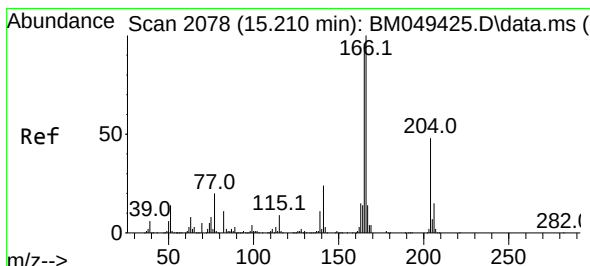
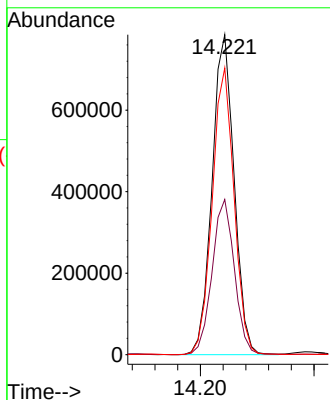
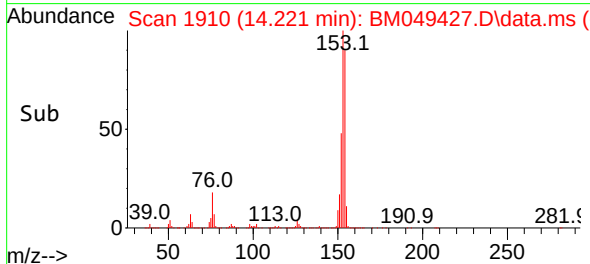
Instrument :
BNA_M
ClientSampleId :
DCZH9DL2



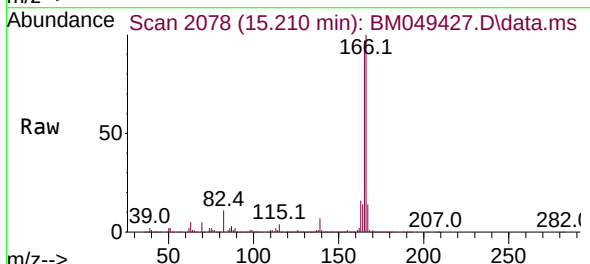
Tgt Ion:153 Resp: 1058492
Ion Ratio Lower Upper
153 100
152 48.5 39.0 58.6
154 89.6 71.6 107.4

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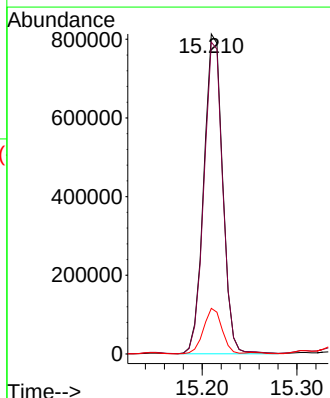
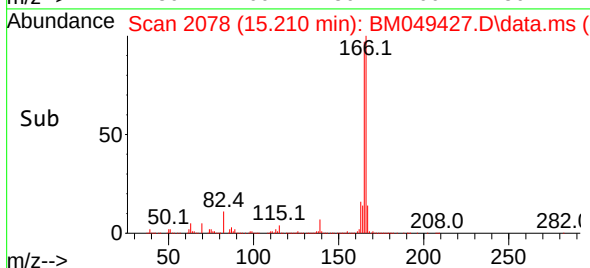
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

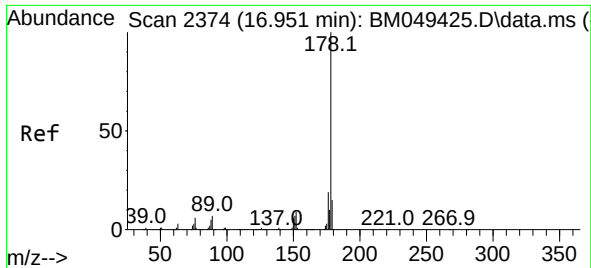


#61
Fluorene
Concen: 32.354 ng/ul
RT: 15.210 min Scan# 2078
Delta R.T. -0.012 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43



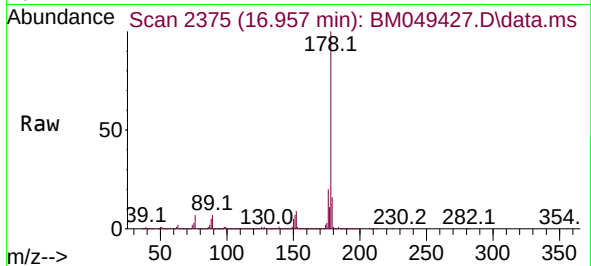
Tgt Ion:166 Resp: 1117715
Ion Ratio Lower Upper
166 100
165 97.4 77.7 116.5
167 14.2 10.7 16.1





#72
Phenanthrene
Concen: 151.253 ng/ul
RT: 16.957 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43

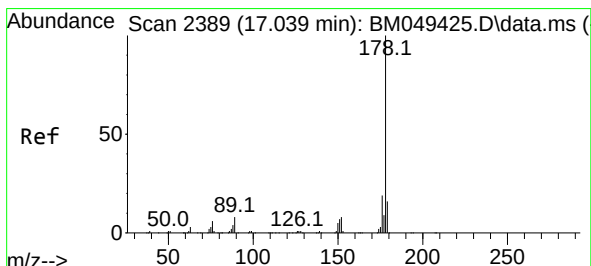
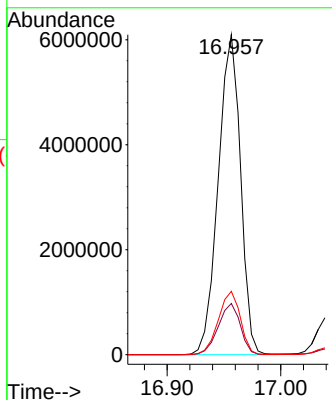
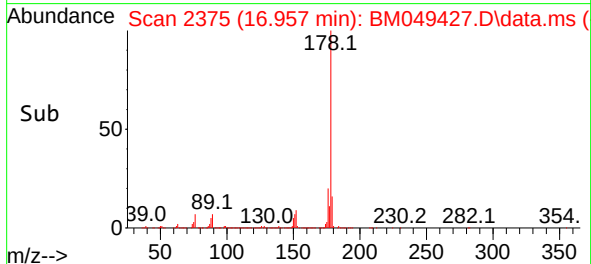
Instrument :
BNA_M
ClientSampleId :
DCZH9DL2



Tgt Ion:178 Resp: 831172
Ion Ratio Lower Upper
178 100
179 16.0 12.6 19.0
176 19.8 15.4 23.2

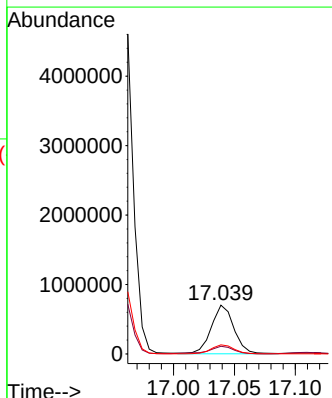
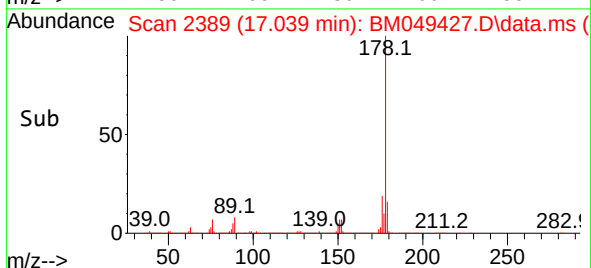
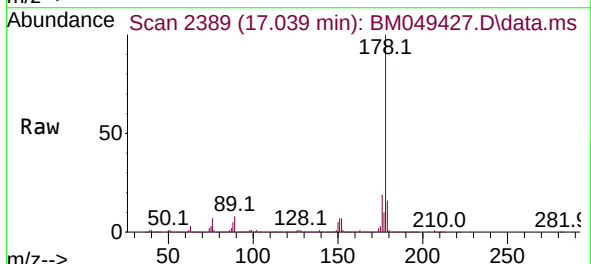
Manual Integrations
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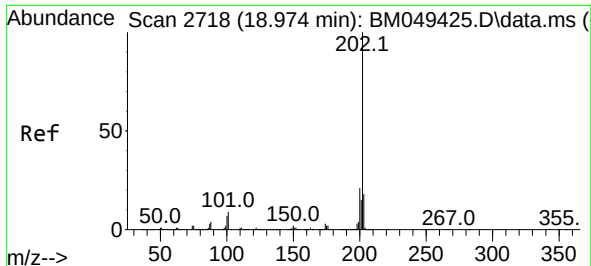
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#74
Anthracene
Concen: 16.484 ng/ul
RT: 17.039 min Scan# 2389
Delta R.T. -0.012 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43

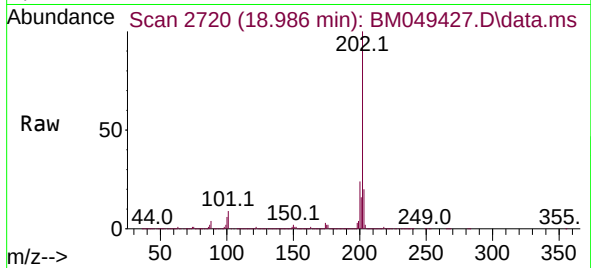
Tgt Ion:178 Resp: 909229
Ion Ratio Lower Upper
178 100
179 15.8 12.5 18.7
176 18.8 15.1 22.7





#80
Fluoranthene
Concen: 166.136 ng/ul
RT: 18.986 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43

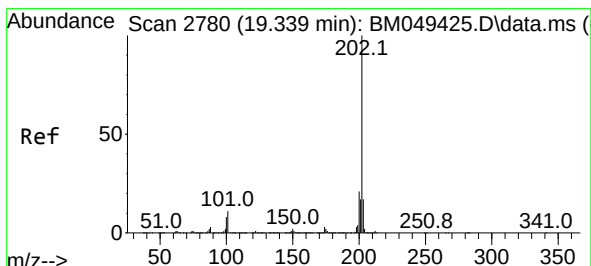
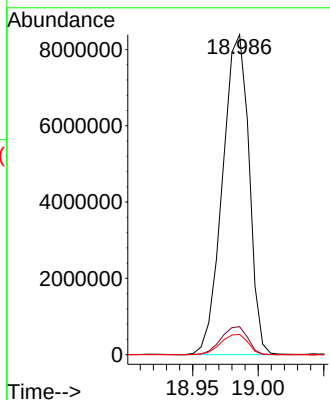
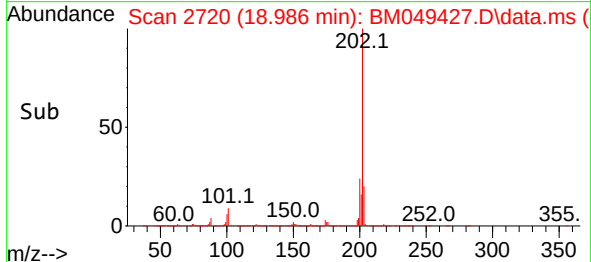
Instrument :
BNA_M
ClientSampleId :
DCZH9DL2



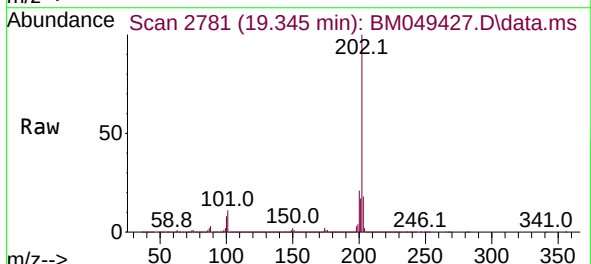
Tgt Ion:202 Resp:1178441
Ion Ratio Lower Upper
202 100
101 8.7 7.0 10.4
100 6.4 5.0 7.6

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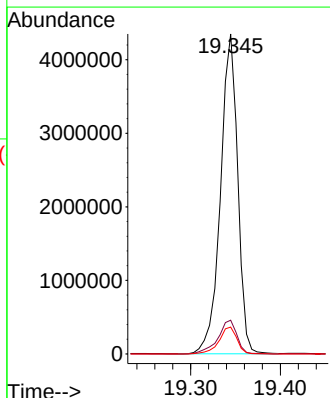
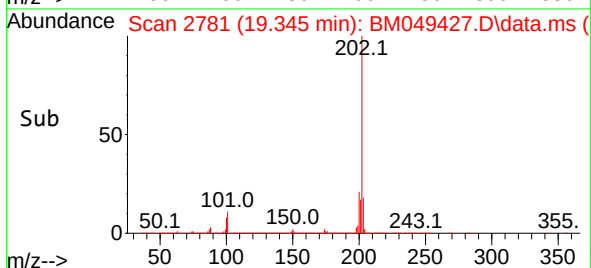
Reviewed By :Yogesh Patel 01/24/2025
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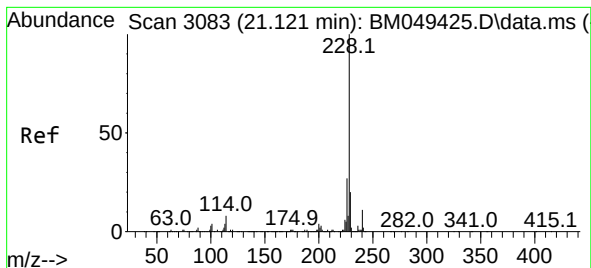


#82
Pyrene
Concen: 76.735 ng/ul
RT: 19.345 min Scan# 2781
Delta R.T. -0.006 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43



Tgt Ion:202 Resp: 5793944
Ion Ratio Lower Upper
202 100
101 10.6 7.8 11.8
100 8.4 6.6 10.0





#85

Benzo(a)anthracene

Concen: 17.915 ng/ul

RT: 21.121 min Scan# 3083

Delta R.T. -0.012 min

Lab File: BM049427.D

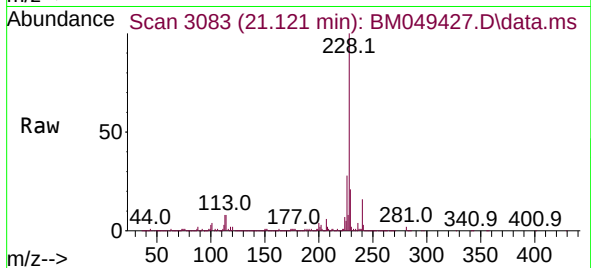
Acq: 23 Jan 2025 20:43

Instrument :

BNA_M

ClientSampleId :

DCZH9DL2



Tgt Ion:228 Resp: 126634

Ion Ratio Lower Upper

228 100

229 20.7 15.8 23.6

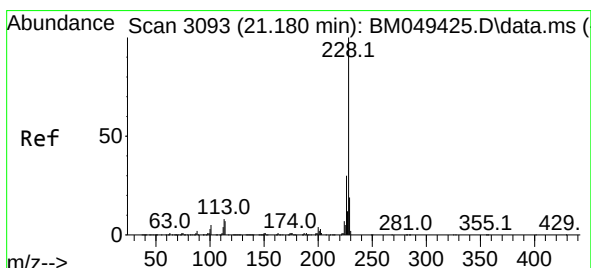
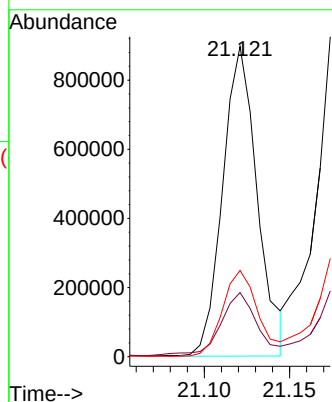
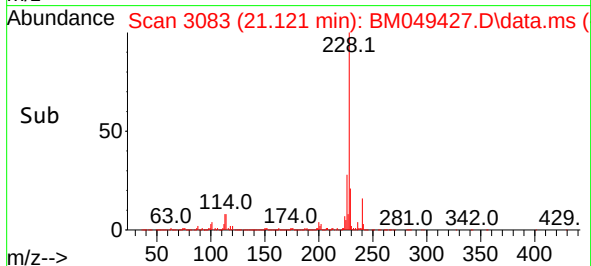
226 27.8 22.1 33.1

Manual Integrations

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#87

Chrysene

Concen: 25.831 ng/ul

RT: 21.180 min Scan# 3093

Delta R.T. -0.006 min

Lab File: BM049427.D

Acq: 23 Jan 2025 20:43

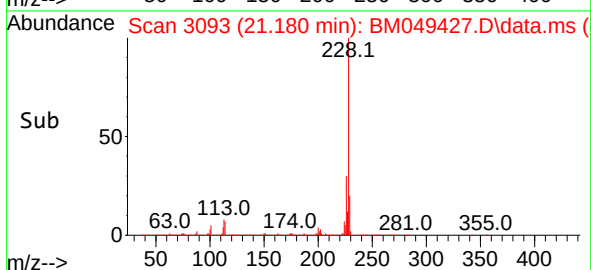
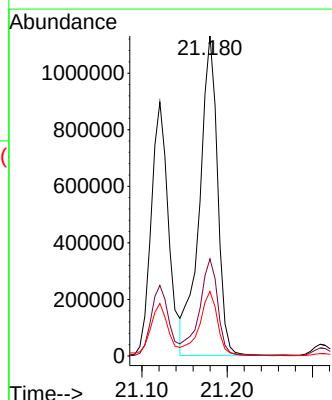
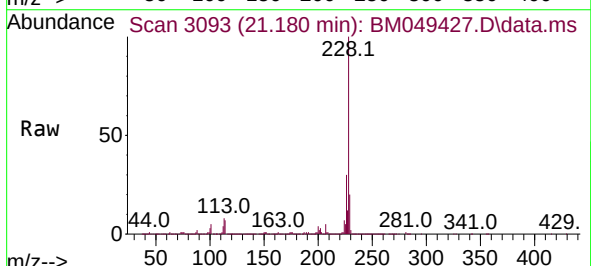
Tgt Ion:228 Resp: 1666909

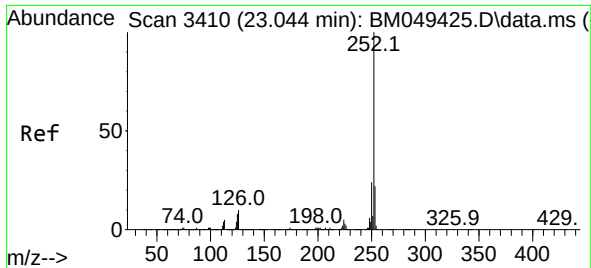
Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

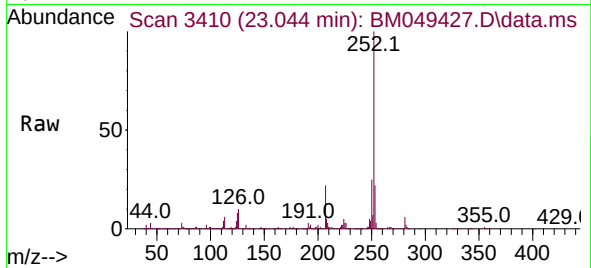
229 20.2 16.0 24.0





#90
Benzo(b)fluoranthene
Concen: 11.225 ng/ul
RT: 23.044 min Scan# 3410
Delta R.T. -0.012 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43

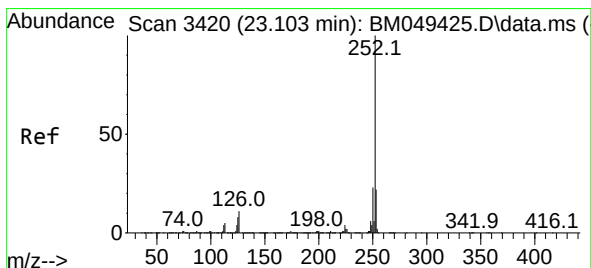
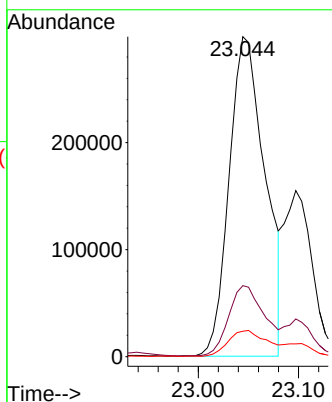
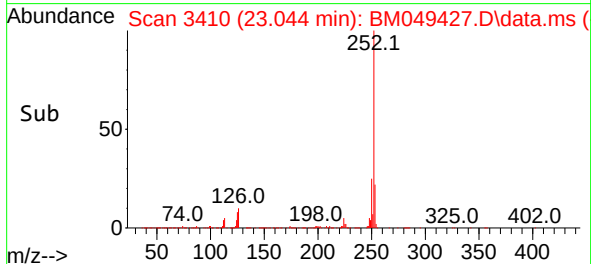
Instrument :
BNA_M
ClientSampleId :
DCZH9DL2



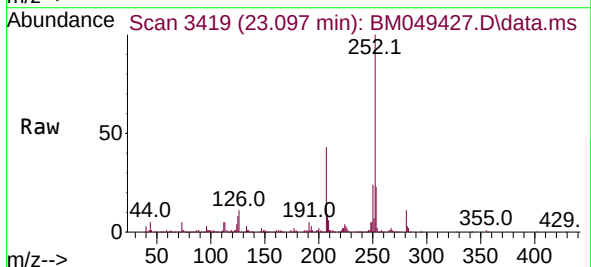
Tgt Ion:252 Resp: 744974
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 7.9 6.6 9.8

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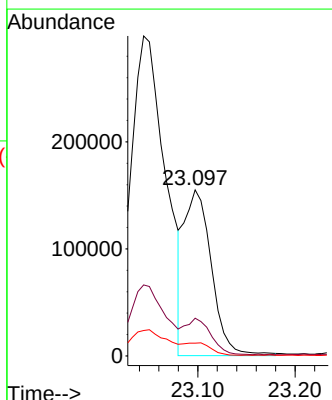
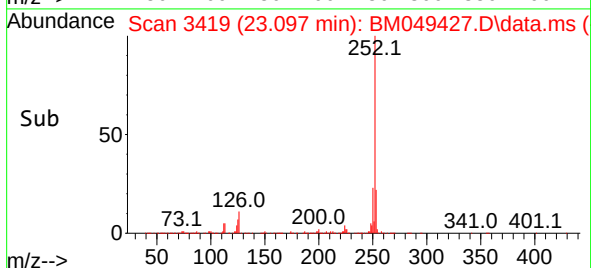
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

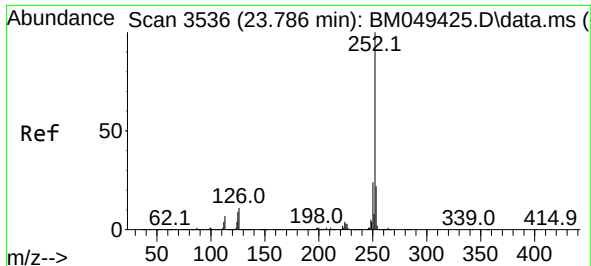


#91
Benzo(k)fluoranthene
Concen: 4.572 ng/ul m
RT: 23.097 min Scan# 3419
Delta R.T. -0.018 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43



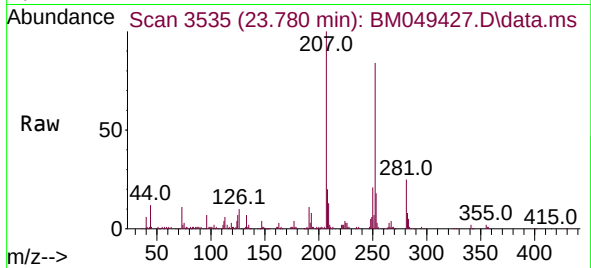
Tgt Ion:252 Resp: 302548
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 7.8 6.5 9.7





#93
Benzo(a)pyrene
Concen: 2.158 ng/ul
RT: 23.780 min Scan# 3536
Delta R.T. -0.018 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43

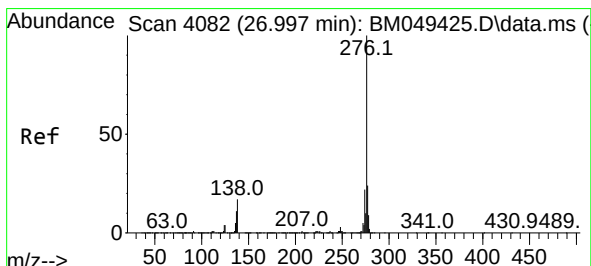
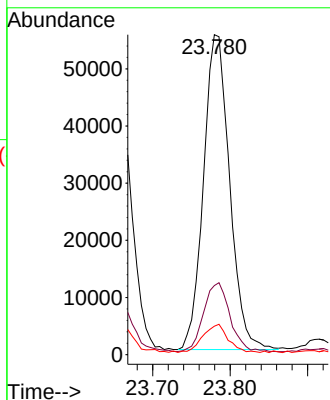
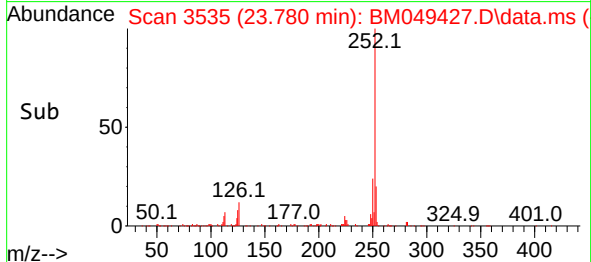
Instrument :
BNA_M
ClientSampleId :
DCZH9DL2



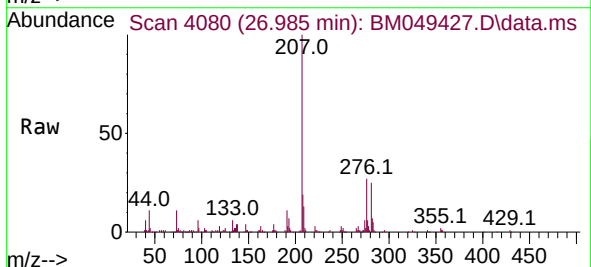
Tgt Ion:252 Resp: 12936
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.2
125 8.9 6.9 10.3

Manual Integrations
APPROVED

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



#94
Indeno(1,2,3-cd)pyrene
Concen: 1.030 ng/ul
RT: 26.985 min Scan# 4080
Delta R.T. -0.035 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43



Tgt Ion:276 Resp: 70799
Ion Ratio Lower Upper
276 100
138 16.4 13.4 20.0
277 22.7 19.1 28.7

