

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049405.D
 Acq On : 23 Jan 2025 05:48
 Operator : RC/JU
 Sample : Q1139-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH4

Manual Integrations
 APPROVED

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

Quant Time: Jan 23 06:25:07 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	490958	20.000	ng/ul	0.00
20) Naphthalene-d8	10.293	136	1835203	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.163	164	1222469	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.933	188	1775579	20.000	ng/ul	0.02
79) Chrysene-d12	21.151	240	1534703	20.000	ng/ul	0.00
88) Perylene-d12	23.921	264	1673625	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	33699	2.840	ng/uL	0.00
4) Pyridine-d5	3.516	84	156925	4.154	ng/ul	0.00
7) Phenol-d5	6.710	99	678099	16.453	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	453234	16.516	ng/ul	0.00
11) 2-Chlorophenol-d4	7.057	132	545702	17.309	ng/ul	0.00
15) 4-Methylphenol-d8	8.234	113	525300	16.437	ng/ul	0.00
21) Nitrobenzene-d5	8.663	128	275483	19.685	ng/ul	0.00
24) 2-Nitrophenol-d4	9.381	143	305652	19.537	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.922	165	581473	18.214	ng/ul	0.00
31) 4-Chloroaniline-d4	10.428	131	370522m	8.820	ng/ul	0.00
46) Dimethylphthalate-d6	13.586	166	1558596	17.130	ng/ul	0.00
49) Acenaphthylene-d8	13.851	160	1820936	17.531	ng/ul	0.00
54) 4-Nitrophenol-d4	14.392	143	194710	12.923	ng/ul	0.00
60) Fluorene-d10	15.163	176	1362071	17.329	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.339	200	30264m	2.674	ng/ul	0.05
73) Anthracene-d10	17.051	188	1739753	19.821	ng/ul	0.04
81) Pyrene-d10	19.327	212	1501190	16.073	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.733	264	908945	10.117	ng/ul	-0.01
Target Compounds					Qvalue	
30) Naphthalene	10.340	128	40488304m	415.712	ng/ul	
36) 2-Methylnaphthalene	11.981	142	21213784	304.383	ng/ul	100
37) 1-Methylnaphthalene	12.192	142	11894248	171.523	ng/ul	99
50) Acenaphthylene	13.881	152	964047	9.053	ng/ul#	86
52) Acenaphthene	14.251	153	19179688	252.091	ng/ul	98
61) Fluorene	15.233	166	21897254m	248.060	ng/ul	
71) Pentachlorophenol	16.604	266	18826	1.210	ng/ul	98
72) Phenanthrene	16.963	178	46033515m	466.344	ng/ul	
74) Anthracene	17.074	178	19565994m	197.476	ng/ul	
80) Fluoranthene	18.986	202	32139987m	299.466	ng/ul	
82) Pyrene	19.357	202	24277047m	212.501	ng/ul	
85) Benzo(a)anthracene	21.133	228	13494871	126.177	ng/ul	96
87) Chrysene	21.192	228	11422953	116.992	ng/ul	96
90) Benzo(b)fluoranthene	23.062	252	6811435	60.805	ng/ul	99
91) Benzo(k)fluoranthene	23.109	252	2599150m	23.271	ng/ul	
93) Benzo(a)pyrene	23.792	252	1707841	16.879	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.003	276	765763	6.597	ng/ul	98
95) Dibenzo(a,h)anthracene	27.033	278	347115	3.672	ng/ul	97

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

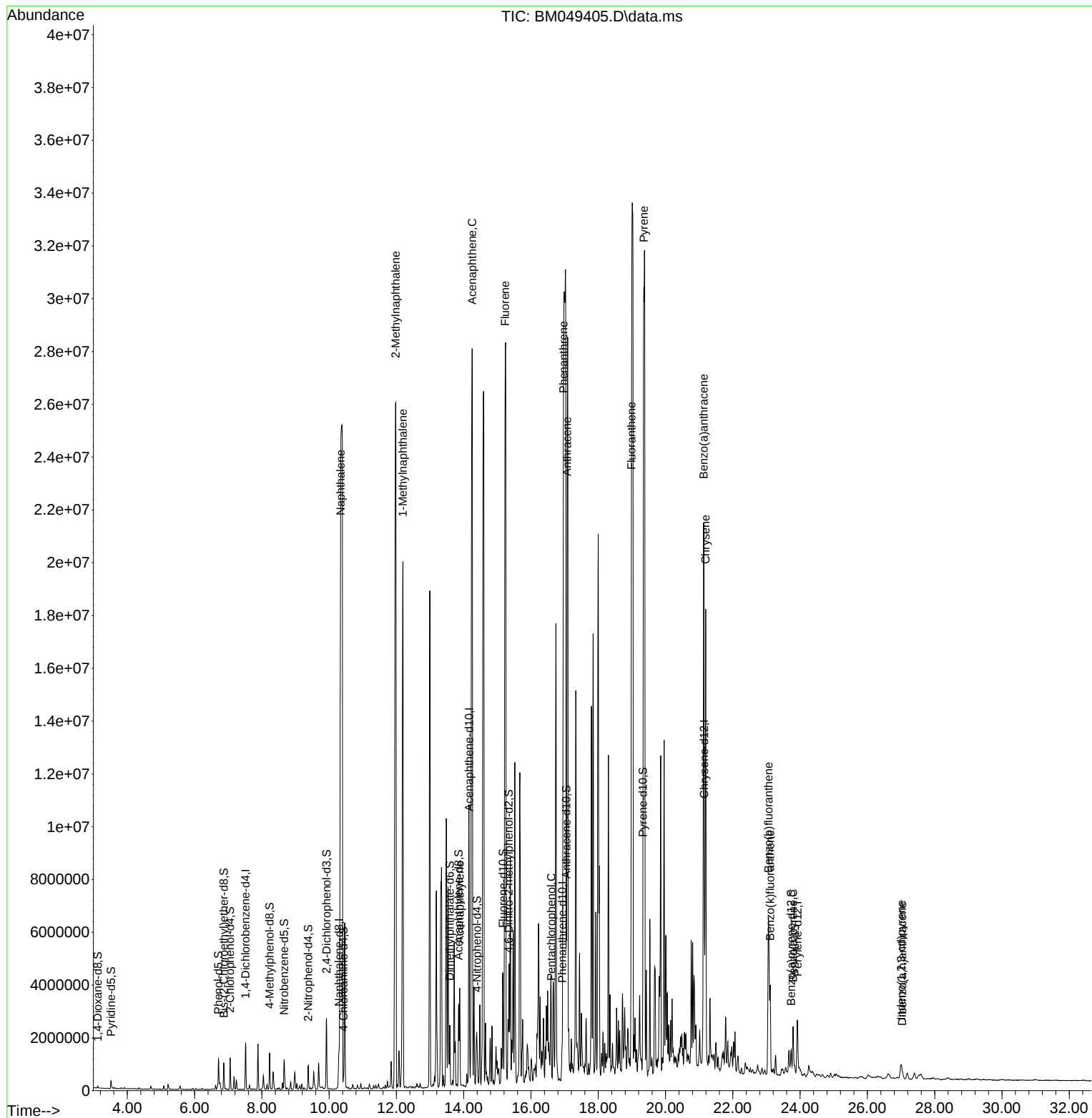
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049405.D
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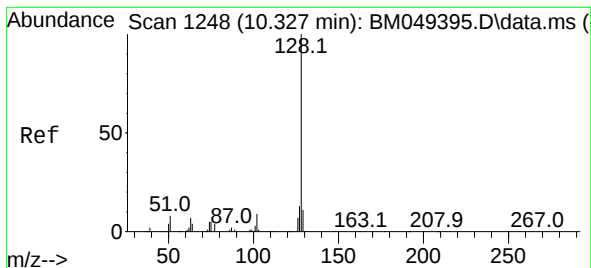
Instrument :
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Quant Time: Jan 23 06:25:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
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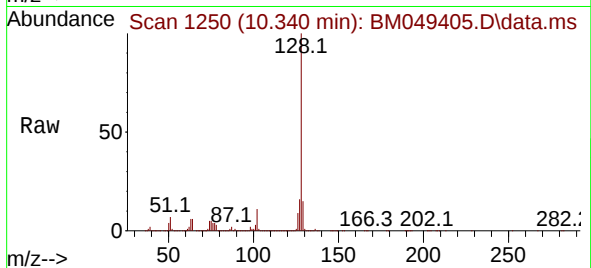
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025





#30
Naphthalene
Concen: 415.712 ng/ul m
RT: 10.340 min Scan# 1248
Delta R.T. 0.006 min
Lab File: BM049405.D
Acq: 23 Jan 2025 05:48

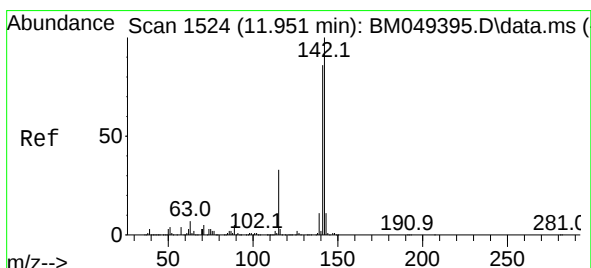
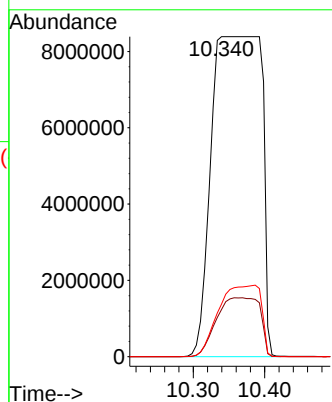
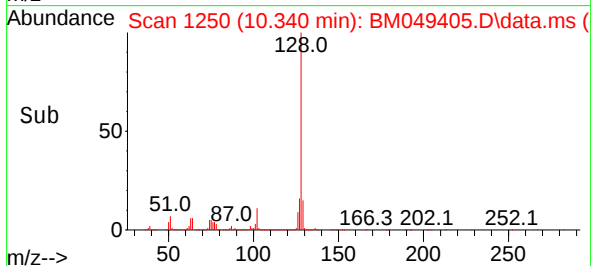
Instrument :
BNA_M
ClientSampleId :
DCZH4



Tgt Ion:128 Resp:40488304
Ion Ratio Lower Upper
128 100
129 14.7 8.5 12.7
127 16.4 10.2 15.2

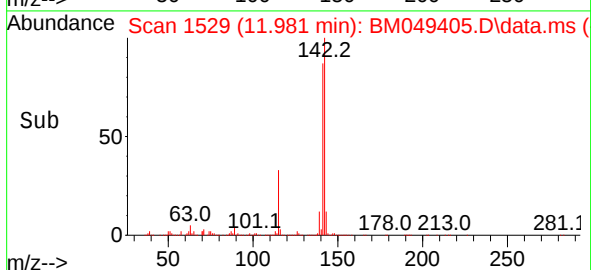
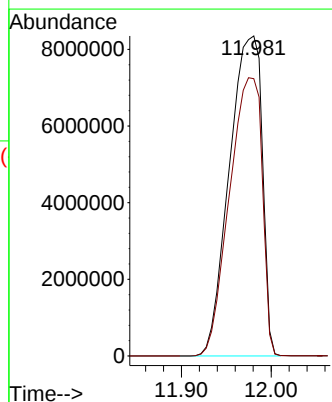
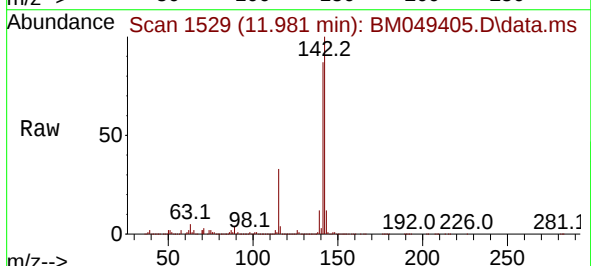
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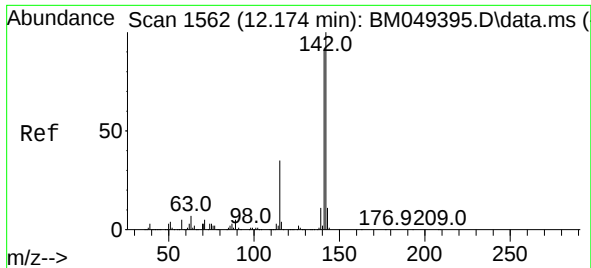
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#36
2-Methylnaphthalene
Concen: 304.383 ng/ul
RT: 11.981 min Scan# 1529
Delta R.T. 0.024 min
Lab File: BM049405.D
Acq: 23 Jan 2025 05:48

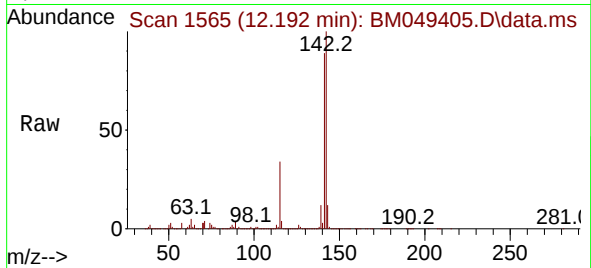
Tgt Ion:142 Resp:21213784
Ion Ratio Lower Upper
142 100
141 86.6 69.6 104.4





#37
1-Methylnaphthalene
Concen: 171.523 ng/ul
RT: 12.192 min Scan# 1565
Delta R.T. 0.012 min
Lab File: BM049405.D
Acq: 23 Jan 2025 05:48

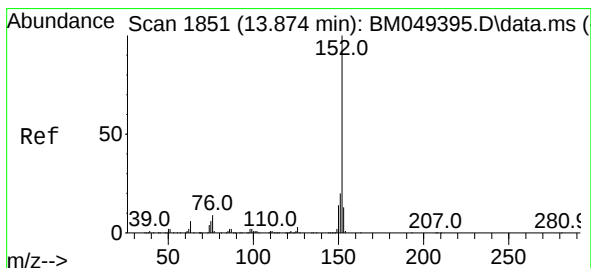
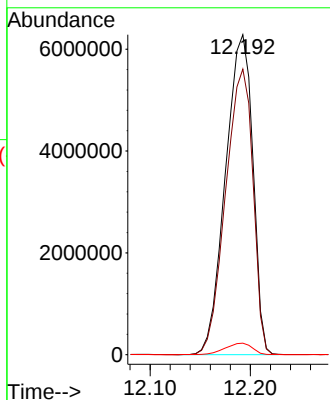
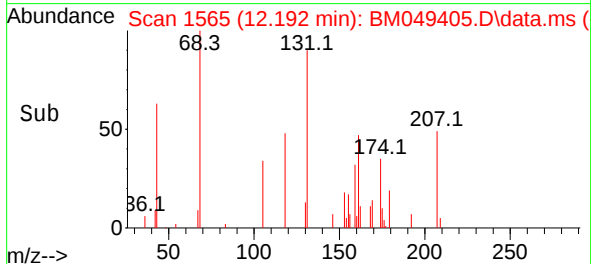
Instrument :
BNA_M
ClientSampleId :
DCZH4



Tgt Ion:142 Resp:1189424
Ion Ratio Lower Upper
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141 89.3 71.9 107.9
116 3.6 2.8 4.2

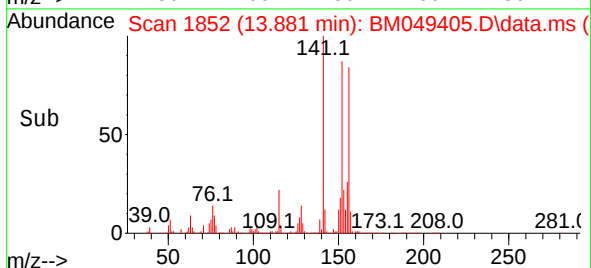
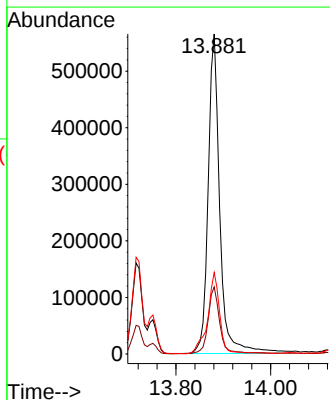
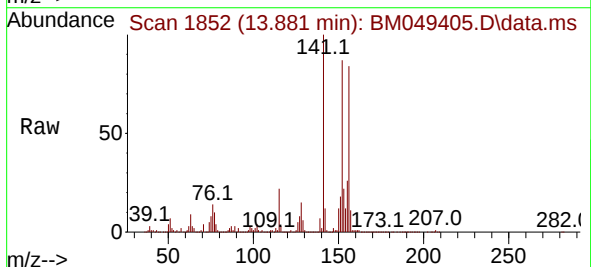
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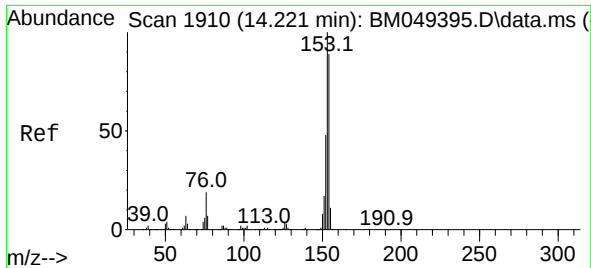
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#50
Acenaphthylene
Concen: 9.053 ng/ul
RT: 13.881 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049405.D
Acq: 23 Jan 2025 05:48

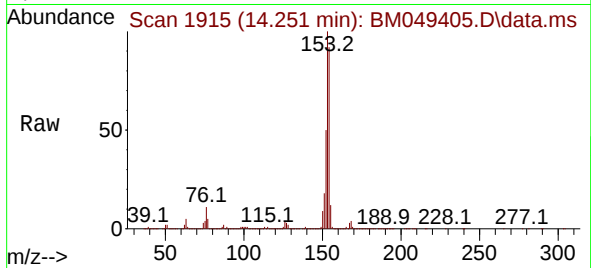
Tgt Ion:152 Resp: 964047
Ion Ratio Lower Upper
152 100
151 21.0 15.8 23.8
153 25.5 10.6 15.8#





#52
Acenaphthene
Concen: 252.091 ng/ul
RT: 14.251 min Scan# 1915
Delta R.T. 0.024 min
Lab File: BM049405.D
Acq: 23 Jan 2025 05:48

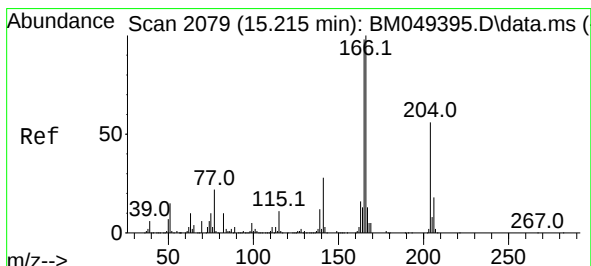
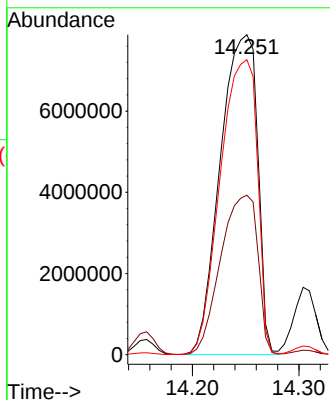
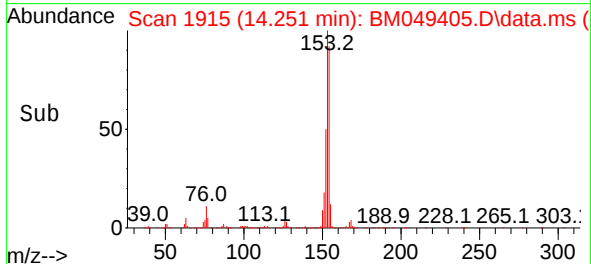
Instrument :
BNA_M
ClientSampleId :
DCZH4



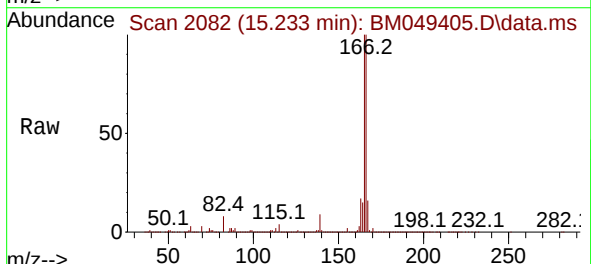
Tgt Ion:153 Resp:1917968
Ion Ratio Lower Upper
153 100
152 49.8 39.0 58.6
154 92.2 71.6 107.4

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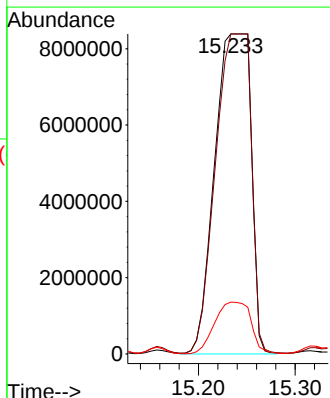
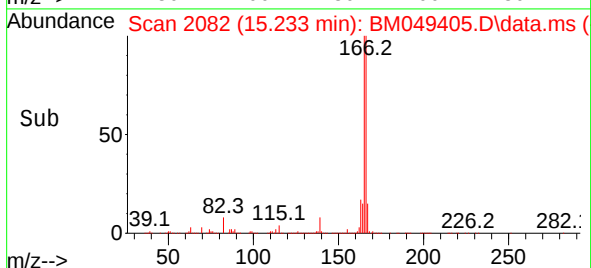
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

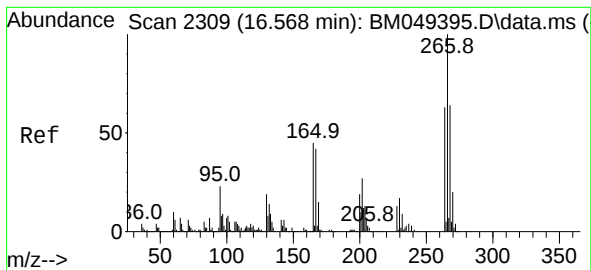


#61
Fluorene
Concen: 248.060 ng/ul m
RT: 15.233 min Scan# 2082
Delta R.T. 0.012 min
Lab File: BM049405.D
Acq: 23 Jan 2025 05:48



Tgt Ion:166 Resp:21897254
Ion Ratio Lower Upper
166 100
165 100.0 77.7 116.5
167 16.2 10.7 16.1#





#71

Pentachlorophenol

Concen: 1.210 ng/ul

RT: 16.604 min Scan# 2315

Delta R.T. 0.030 min

Lab File: BM049405.D

Acq: 23 Jan 2025 05:48

Instrument :

BNA_M

ClientSampleId :

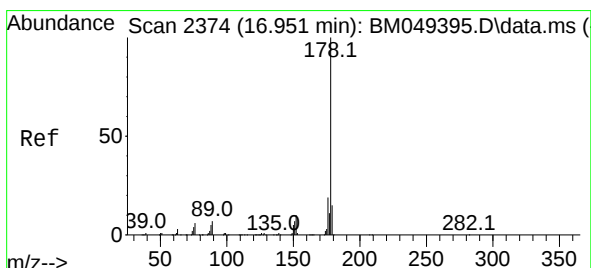
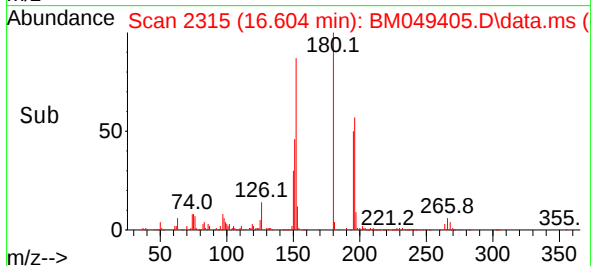
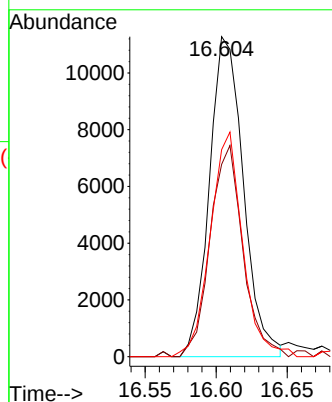
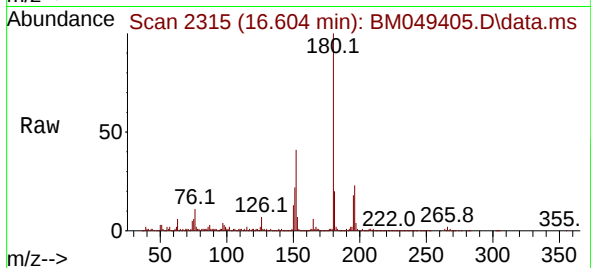
DCZH4

Tgt Ion:266 Resp: 18820
 Ion Ratio Lower Upper
 266 100
 264 60.1 48.6 72.8
 268 64.7 49.4 74.0

Manual Integrations

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 Supervised By :mohammad ahmed 01/24/2025



#72

Phenanthrene

Concen: 466.344 ng/ul m

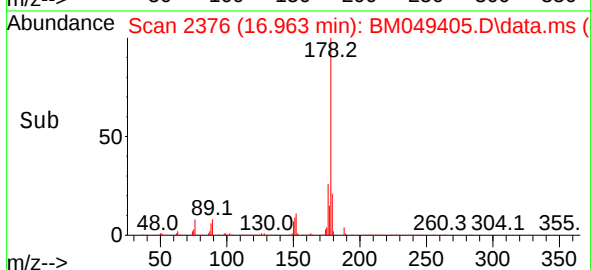
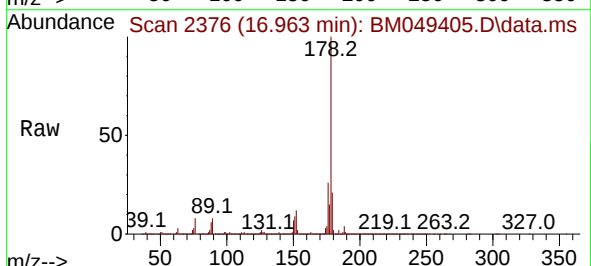
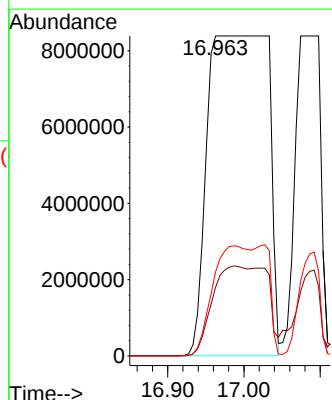
RT: 16.963 min Scan# 2376

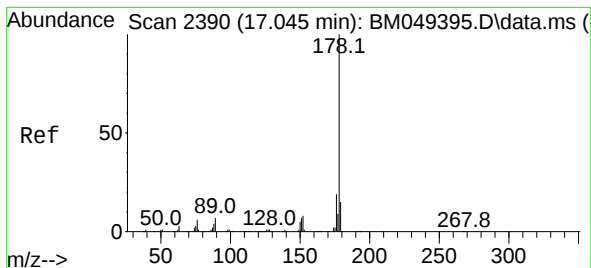
Delta R.T. 0.006 min

Lab File: BM049405.D

Acq: 23 Jan 2025 05:48

Tgt Ion:178 Resp:46033515
 Ion Ratio Lower Upper
 178 100
 179 21.4 12.6 19.0#
 176 26.2 15.4 23.2#





#74

Anthracene

Concen: 197.476 ng/ul m

RT: 17.074 min Scan# 2

Delta R.T. 0.024 min

Lab File: BM049405.D

Acq: 23 Jan 2025 05:48

Instrument :

BNA_M

ClientSampleId :

DCZH4

Tgt Ion:178 Resp:19565994

Ion Ratio Lower Upper

178 100

179 20.2 12.5 18.7

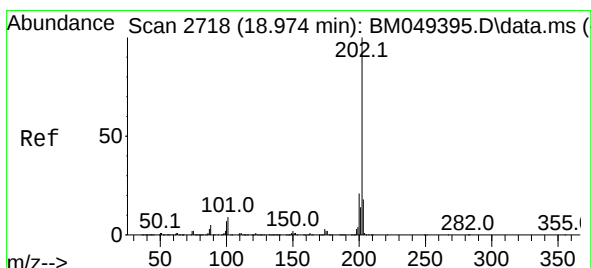
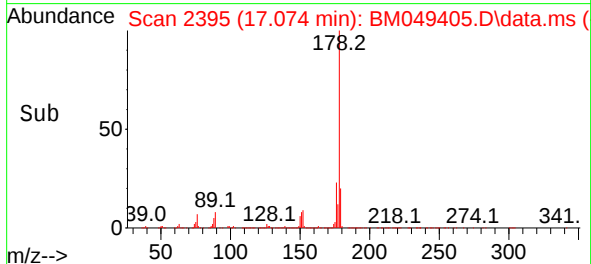
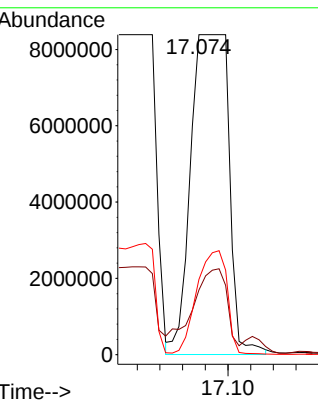
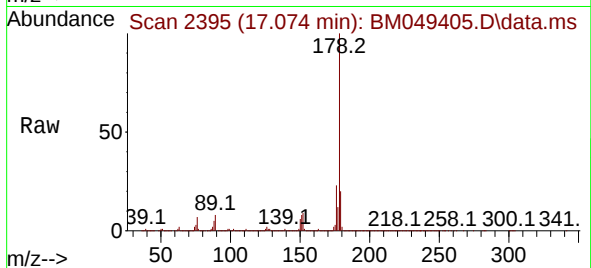
176 23.5 15.1 22.7

Manual Integrations

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#80

Fluoranthene

Concen: 299.466 ng/ul m

RT: 18.986 min Scan# 2720

Delta R.T. 0.000 min

Lab File: BM049405.D

Acq: 23 Jan 2025 05:48

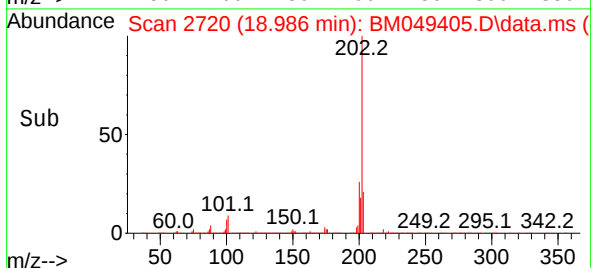
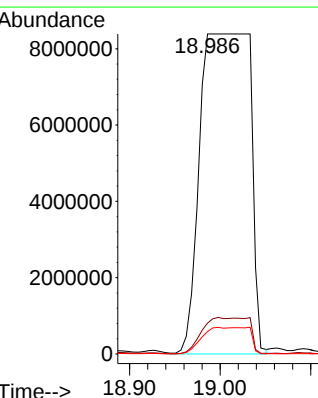
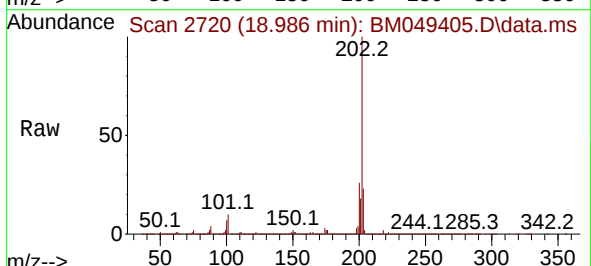
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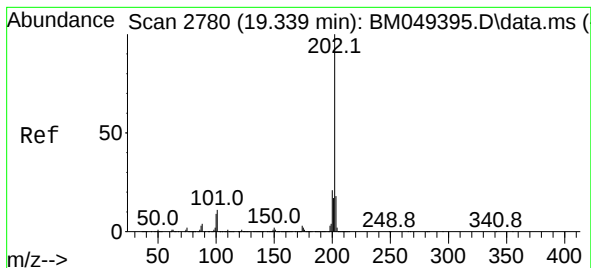
Ion Ratio Lower Upper

202 100

101 9.7 7.0 10.4

100 7.0 5.0 7.6





#82

Pyrene

Concen: 212.501 ng/ul m

RT: 19.357 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM049405.D

Acq: 23 Jan 2025 05:48

Instrument :

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Tgt Ion:202 Resp:2427704

Ion Ratio Lower Upper

202 100

101 13.2 7.8 11.8

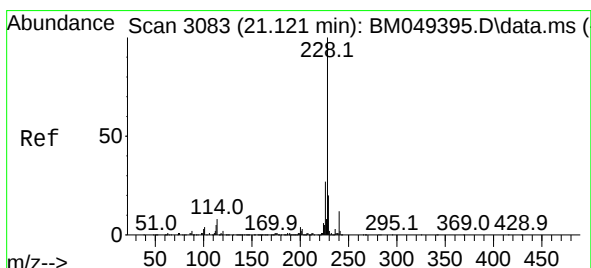
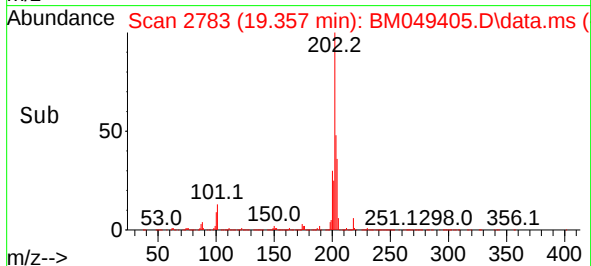
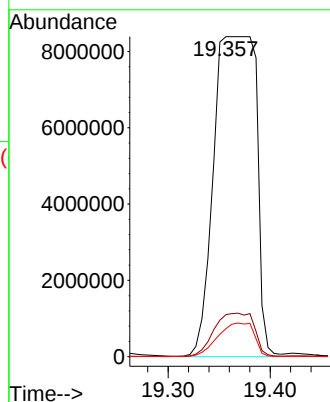
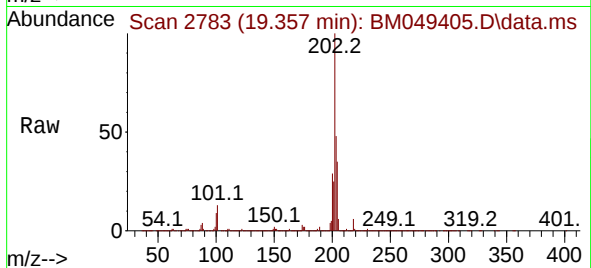
100 8.8 6.6 10.0

Manual Integrations

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Supervised By :mohammad ahmed 01/24/2025



#85

Benzo(a)anthracene

Concen: 126.177 ng/ul

RT: 21.133 min Scan# 3085

Delta R.T. 0.000 min

Lab File: BM049405.D

Acq: 23 Jan 2025 05:48

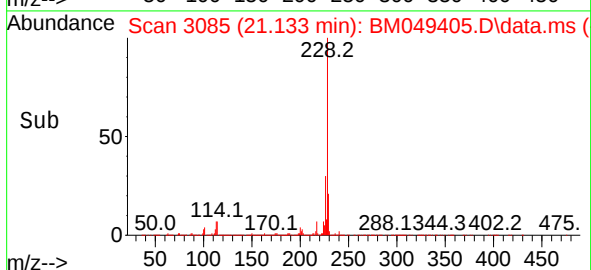
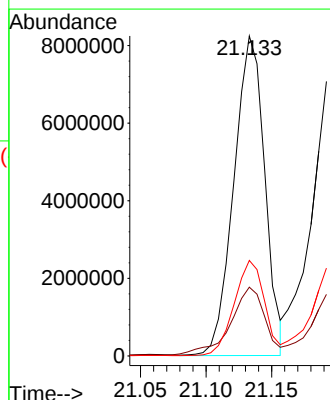
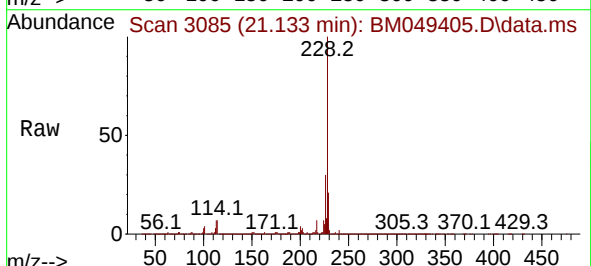
Tgt Ion:228 Resp:13494871

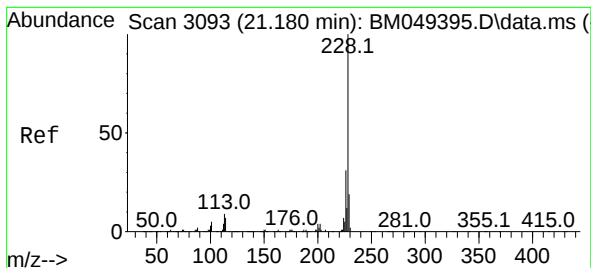
Ion Ratio Lower Upper

228 100

229 21.5 15.8 23.6

226 29.9 22.1 33.1





#87

Chrysene

Concen: 116.992 ng/ul

RT: 21.192 min Scan# 3093

Delta R.T. 0.006 min

Lab File: BM049405.D

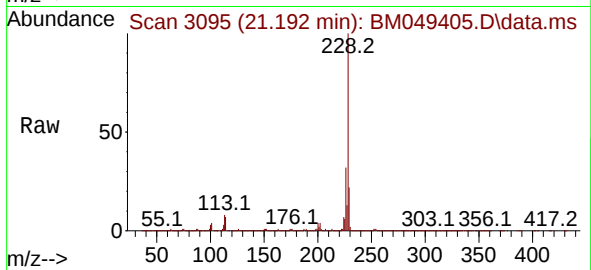
Acq: 23 Jan 2025 05:48

Instrument :

BNA_M

ClientSampleId :

DCZH4



Tgt Ion:228 Resp:1142295

Ion Ratio Lower Upper

228 100

226 32.0 24.3 36.5

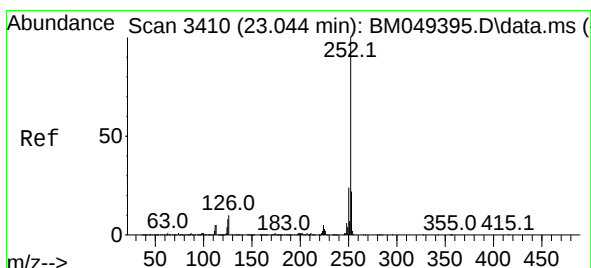
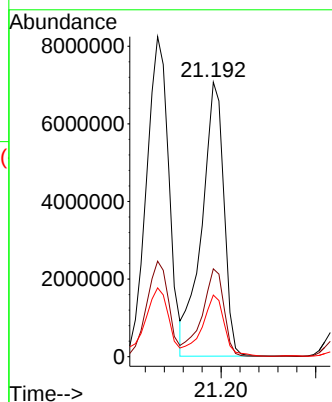
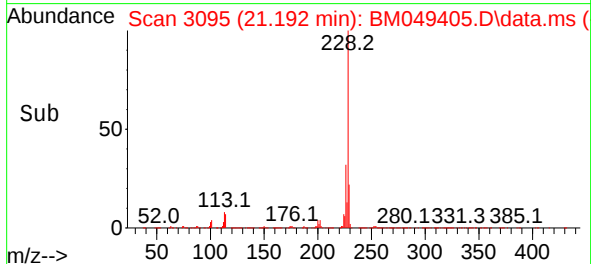
229 22.5 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025



#90

Benzo(b)fluoranthene

Concen: 60.805 ng/ul

RT: 23.062 min Scan# 3413

Delta R.T. 0.006 min

Lab File: BM049405.D

Acq: 23 Jan 2025 05:48

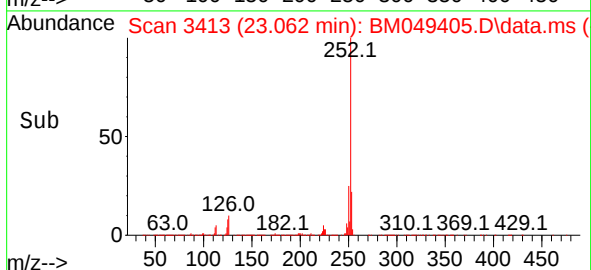
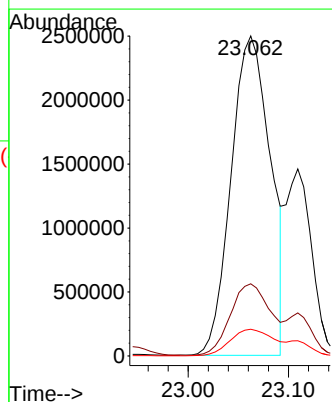
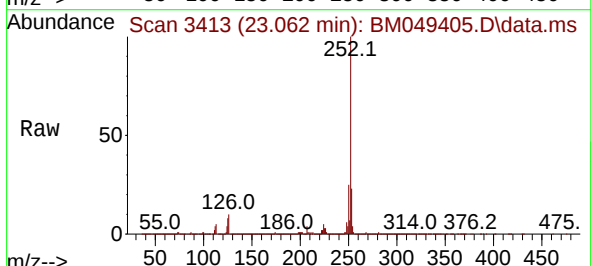
Tgt Ion:252 Resp: 6811435

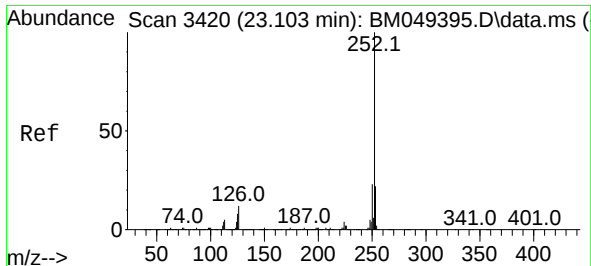
Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

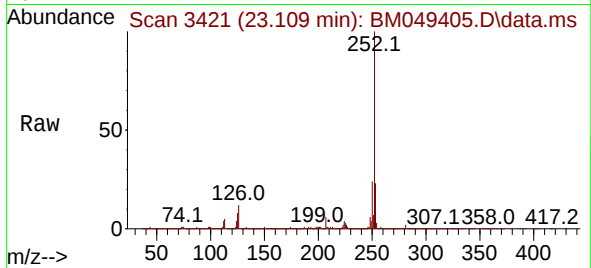
125 8.3 6.6 9.8





#91
Benzo(k)fluoranthene
Concen: 23.271 ng/ul m
RT: 23.109 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049405.D
Acq: 23 Jan 2025 05:48

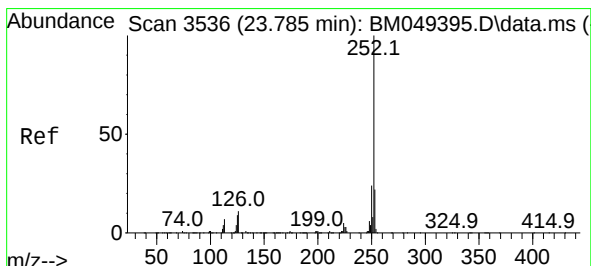
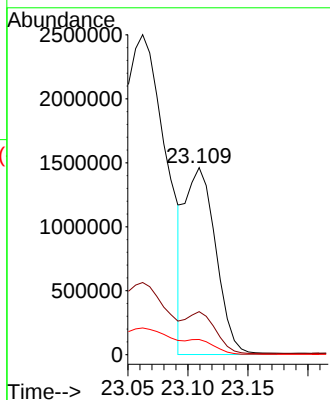
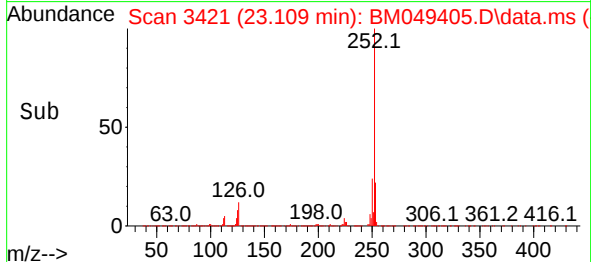
Instrument :
BNA_M
ClientSampleId :
DCZH4



Tgt Ion:252 Resp: 2599150
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 8.1 6.5 9.7

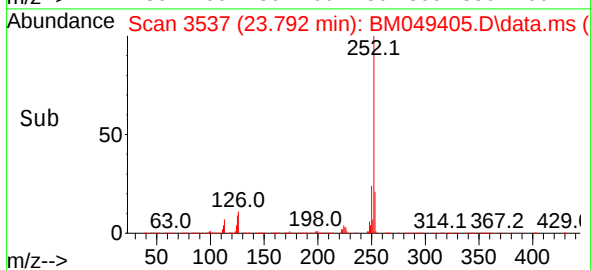
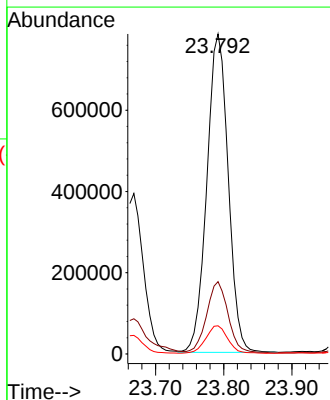
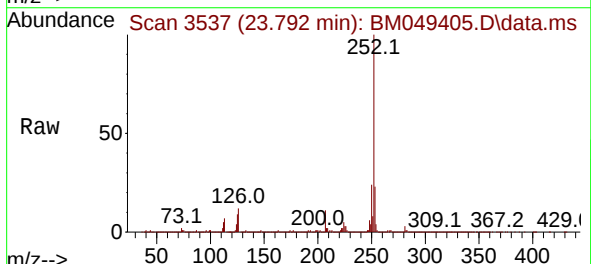
Manual Integrations
APPROVED

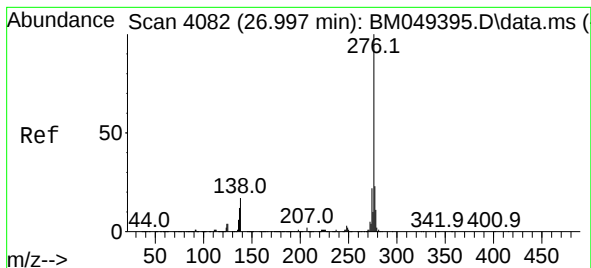
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#93
Benzo(a)pyrene
Concen: 16.879 ng/ul
RT: 23.792 min Scan# 3537
Delta R.T. -0.006 min
Lab File: BM049405.D
Acq: 23 Jan 2025 05:48

Tgt Ion:252 Resp: 1707841
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 8.8 6.9 10.3





#94

Indeno(1,2,3-cd)pyrene

Concen: 6.597 ng/ul

RT: 27.003 min Scan# 4083

Delta R.T. -0.017 min

Lab File: BM049405.D

Acq: 23 Jan 2025 05:48

Instrument :

BNA_M

ClientSampleId :

DCZH4

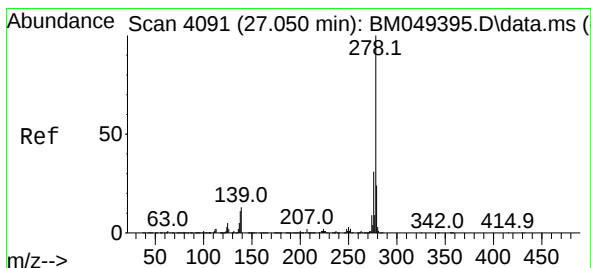
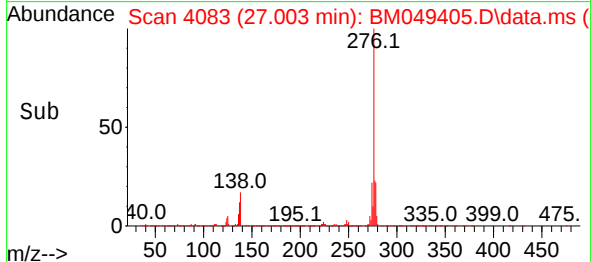
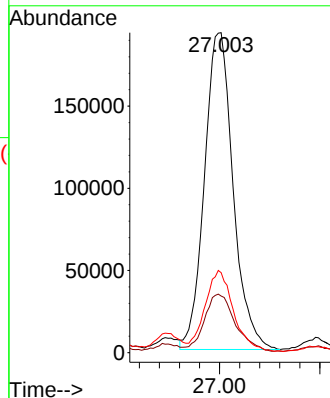
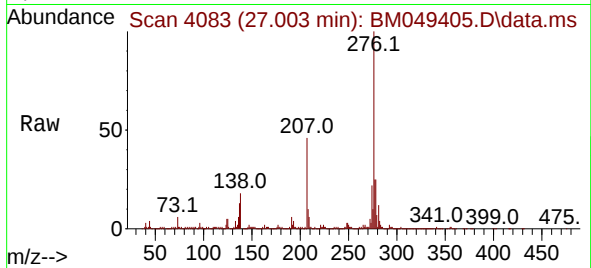
Tgt Ion:	276	Resp:	76576
Ion Ratio	Lower	Upper	
276	100		
138	17.7	13.4	20.0
277	25.0	19.1	28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025



#95

Dibenzo(a,h)anthracene

Concen: 3.672 ng/ul

RT: 27.033 min Scan# 4088

Delta R.T. -0.041 min

Lab File: BM049405.D

Acq: 23 Jan 2025 05:48

Tgt Ion:	278	Resp:	347115
Ion Ratio	Lower	Upper	
278	100		
139	13.6	9.9	14.9
279	26.0	19.4	29.0

