

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049407.D
 Acq On : 23 Jan 2025 07:06
 Operator : RC/JU
 Sample : Q1139-13
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZJ0

Manual Integrations
 APPROVED

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

Quant Time: Jan 23 07:38:50 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	421929	20.000	ng/ul	0.00
20) Naphthalene-d8	10.281	136	1589653	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.157	164	997802	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.910	188	1891235	20.000	ng/ul	0.00
79) Chrysene-d12	21.139	240	1571964	20.000	ng/ul	0.00
88) Perylene-d12	23.915	264	1536011	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	43456	4.261	ng/uL	0.00
4) Pyridine-d5	3.510	84	538450	16.586	ng/ul	0.00
7) Phenol-d5	6.710	99	764980	21.598	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	500058	21.203	ng/ul	0.00
11) 2-Chlorophenol-d4	7.057	132	622111	22.961	ng/ul	0.00
15) 4-Methylphenol-d8	8.228	113	586467	21.353	ng/ul	-0.01
21) Nitrobenzene-d5	8.663	128	290969	24.003	ng/ul	0.00
24) 2-Nitrophenol-d4	9.375	143	323308	23.858	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.910	165	606871	21.946	ng/ul	0.00
31) 4-Chloroaniline-d4	10.422	131	639099	17.564	ng/ul	0.00
46) Dimethylphthalate-d6	13.580	166	1677566	22.589	ng/ul	0.00
49) Acenaphthylene-d8	13.845	160	1881994	22.198	ng/ul	0.00
54) 4-Nitrophenol-d4	14.386	143	209694	17.051	ng/ul	0.00
60) Fluorene-d10	15.157	176	1373997	21.416	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.286	200	99998	8.297	ng/ul	0.00
73) Anthracene-d10	17.010	188	2091212	22.368	ng/ul	0.00
81) Pyrene-d10	19.315	212	2077034	21.711	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.727	264	1655312	20.075	ng/ul	-0.02
Target Compounds					Qvalue	
50) Acenaphthylene	13.874	152	119119	1.371	ng/ul	99
52) Acenaphthene	14.221	153	78280	1.261	ng/ul	97
61) Fluorene	15.216	166	294511	4.088	ng/ul	98
72) Phenanthrene	16.951	178	1157272	11.007	ng/ul	100
74) Anthracene	17.045	178	1992474	18.880	ng/ul	99
80) Fluoranthene	18.980	202	15087763	137.249	ng/ul	99
82) Pyrene	19.351	202	12761008	109.052	ng/ul	99
85) Benzo(a)anthracene	21.121	228	3625513	33.095	ng/ul	98
87) Chrysene	21.180	228	3368637	33.683	ng/ul	99
90) Benzo(b)fluoranthene	23.050	252	1934238	18.814	ng/ul	98
91) Benzo(k)fluoranthene	23.103	252	648245	6.324	ng/ul	99
93) Benzo(a)pyrene	23.786	252	1054750	11.358	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.991	276	351648	3.301	ng/ul	100
95) Dibenzo(a,h)anthracene	27.032	278	99398m	1.146	ng/ul	
96) Benzo(g,h,i)perylene	27.944	276	263134	3.309	ng/ul	98

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

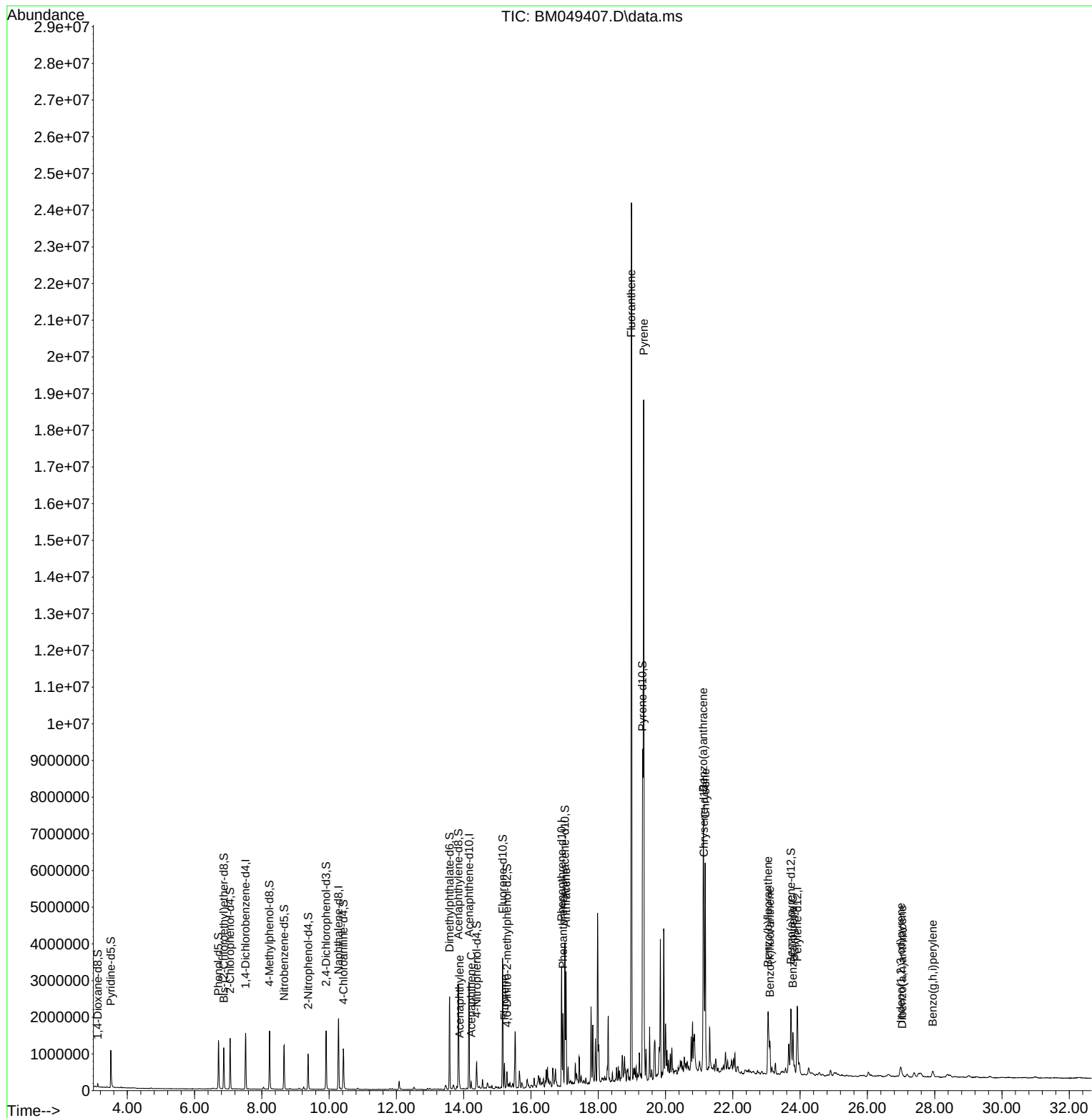
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049407.D
Acq On : 23 Jan 2025 07:06
Operator : RC/JU
Sample : Q1139-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

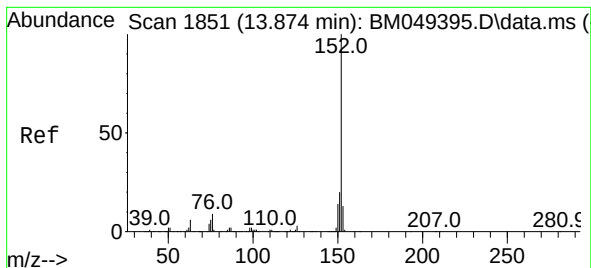
Instrument :
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ClientSampleId :
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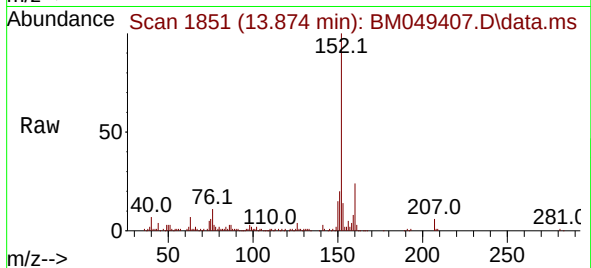
Quant Time: Jan 23 07:38:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
Response via : Initial Calibration





#50
Acenaphthylene
Concen: 1.371 ng/ul
RT: 13.874 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049407.D
Acq: 23 Jan 2025 07:06

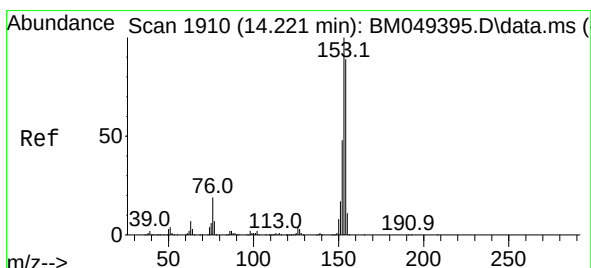
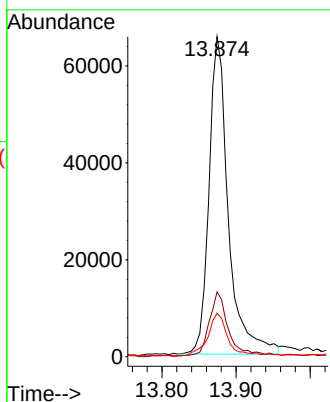
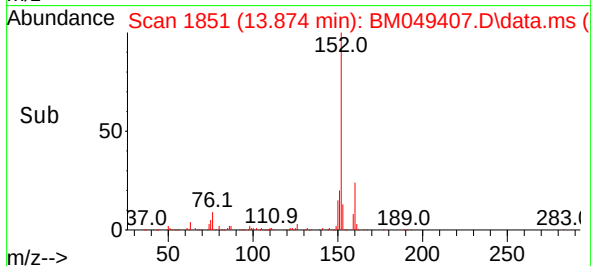
Instrument :
BNA_M
ClientSampleId :
DCZJ0



Tgt Ion:152 Resp: 119119
Ion Ratio Lower Upper
152 100
151 20.3 15.8 23.8
153 13.6 10.6 15.8

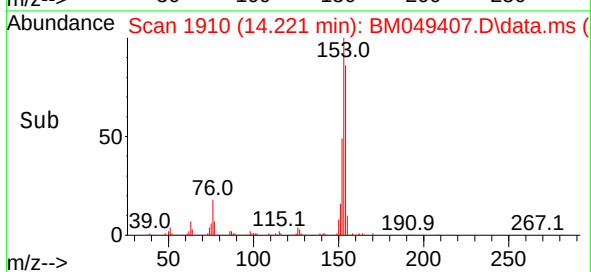
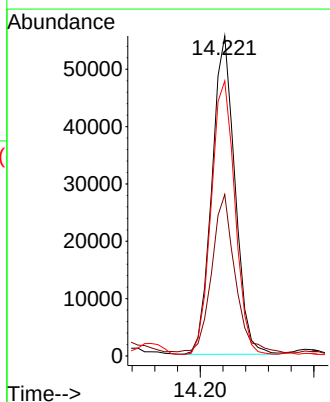
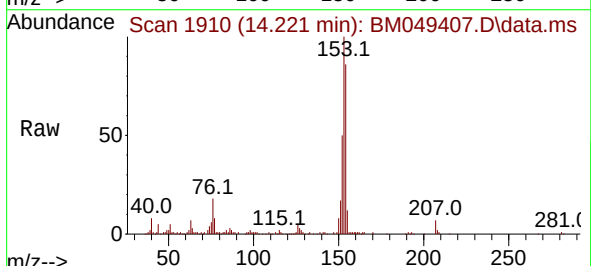
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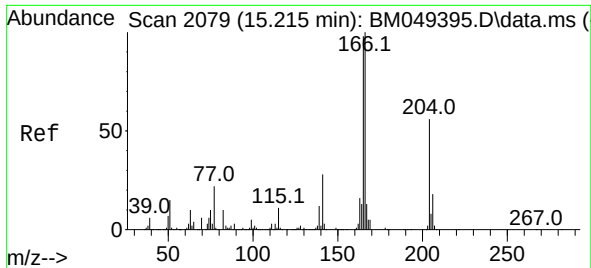
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#52
Acenaphthene
Concen: 1.261 ng/ul
RT: 14.221 min Scan# 1910
Delta R.T. -0.006 min
Lab File: BM049407.D
Acq: 23 Jan 2025 07:06

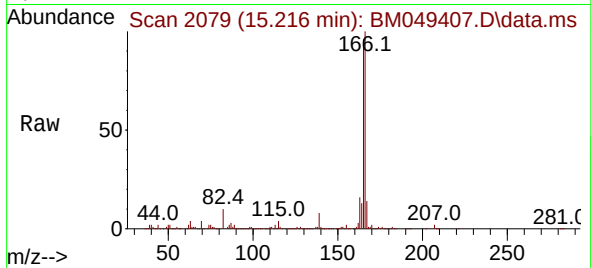
Tgt Ion:153 Resp: 78280
Ion Ratio Lower Upper
153 100
152 50.4 39.0 58.6
154 86.0 71.6 107.4





#61
Fluorene
Concen: 4.088 ng/ul
RT: 15.216 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BM049407.D
Acq: 23 Jan 2025 07:06

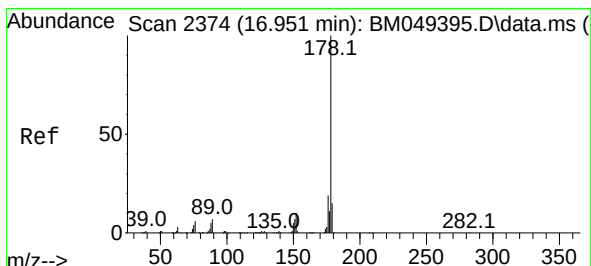
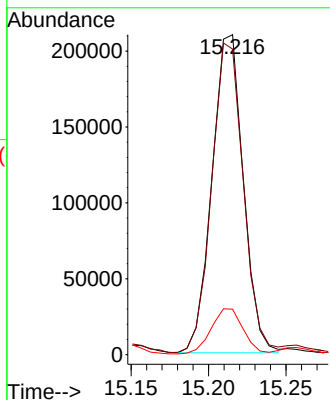
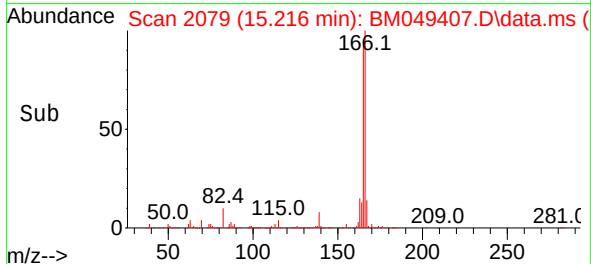
Instrument :
BNA_M
ClientSampleId :
DCZJ0



Tgt Ion:166 Resp: 29451
Ion Ratio Lower Upper
166 100
165 95.5 77.7 116.5
167 14.2 10.7 16.1

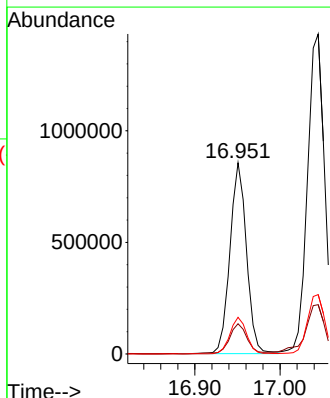
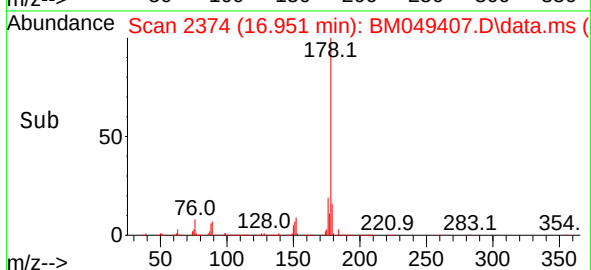
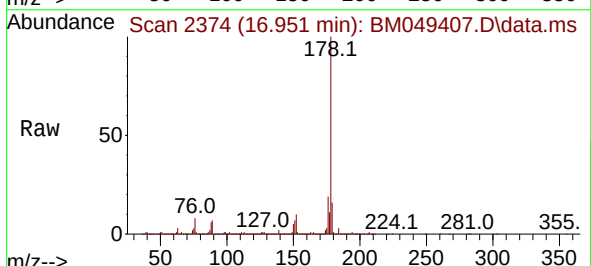
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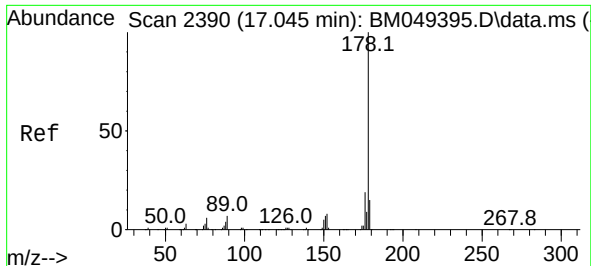
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#72
Phenanthrene
Concen: 11.007 ng/ul
RT: 16.951 min Scan# 2374
Delta R.T. -0.006 min
Lab File: BM049407.D
Acq: 23 Jan 2025 07:06

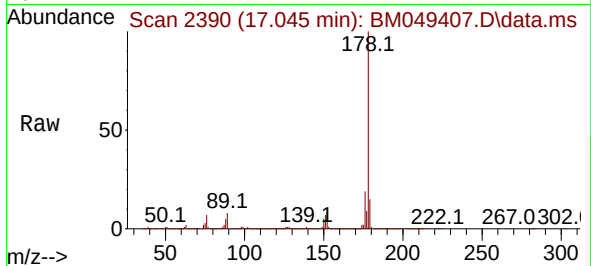
Tgt Ion:178 Resp: 1157272
Ion Ratio Lower Upper
178 100
179 15.8 12.6 19.0
176 19.2 15.4 23.2





#74
 Anthracene
 Concen: 18.880 ng/ul
 RT: 17.045 min Scan# 2390
 Delta R.T. -0.006 min
 Lab File: BM049407.D
 Acq: 23 Jan 2025 07:06

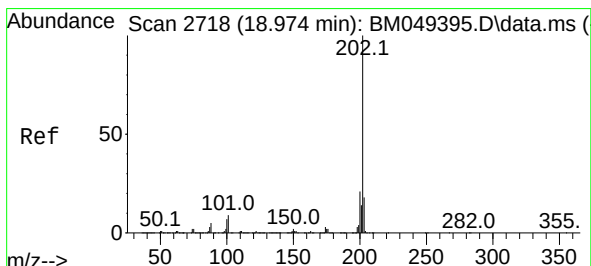
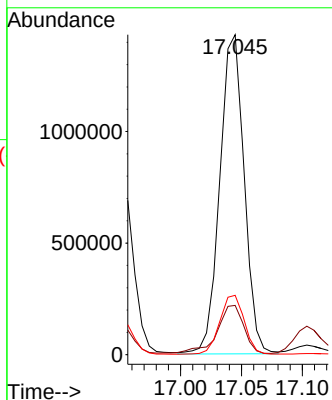
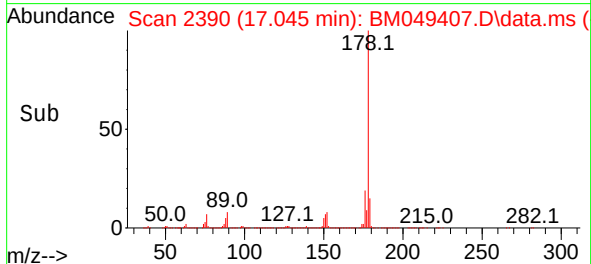
Instrument :
 BNA_M
 ClientSampleId :
 DCZJ0



Tgt Ion:178 Resp: 1992474
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.5 18.7
 176 18.6 15.1 22.7

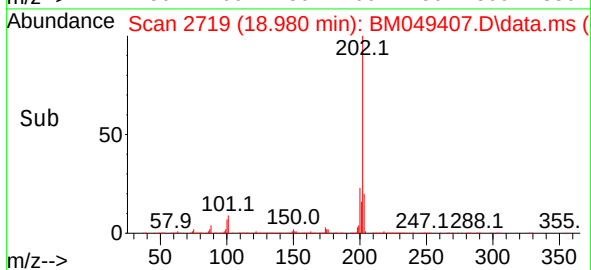
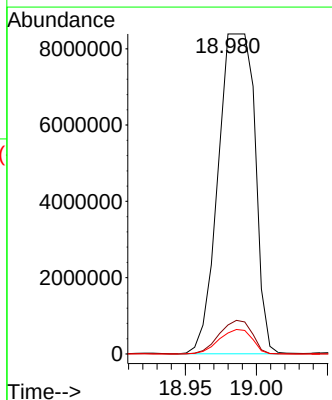
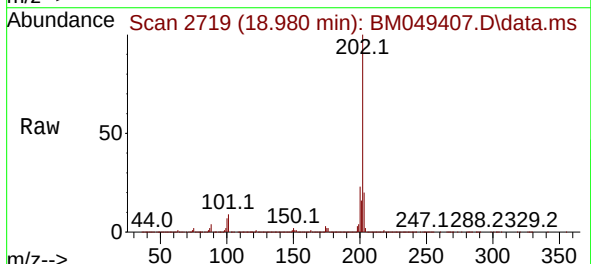
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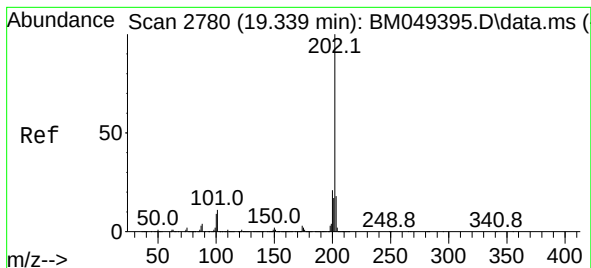
Reviewed By :Yogesh Patel 01/24/2025
 Supervised By :mohammad ahmed 01/24/2025



#80
 Fluoranthene
 Concen: 137.249 ng/ul
 RT: 18.980 min Scan# 2719
 Delta R.T. -0.006 min
 Lab File: BM049407.D
 Acq: 23 Jan 2025 07:06

Tgt Ion:202 Resp:15087763
 Ion Ratio Lower Upper
 202 100
 101 9.1 7.0 10.4
 100 6.6 5.0 7.6





#82

Pyrene

Concen: 109.052 ng/ul

RT: 19.351 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM049407.D

Acq: 23 Jan 2025 07:06

Instrument :

BNA_M

ClientSampleId :

DCZJ0

Tgt Ion:202 Resp:12761008

Ion Ratio Lower Upper

202 100

101 9.7 7.8 11.8

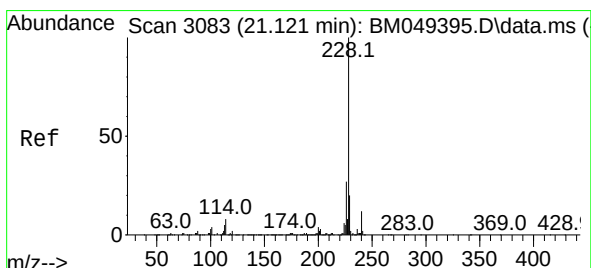
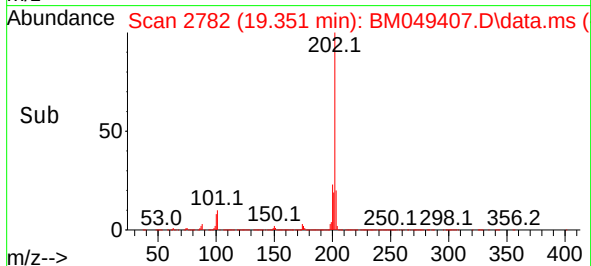
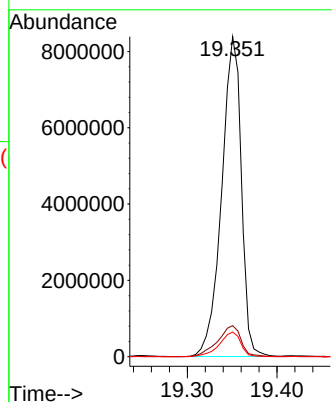
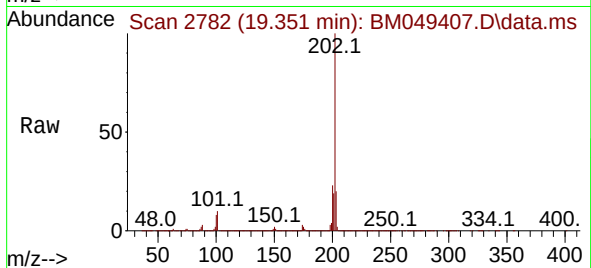
100 7.7 6.6 10.0

Manual Integrations

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#85

Benzo(a)anthracene

Concen: 33.095 ng/ul

RT: 21.121 min Scan# 3083

Delta R.T. -0.012 min

Lab File: BM049407.D

Acq: 23 Jan 2025 07:06

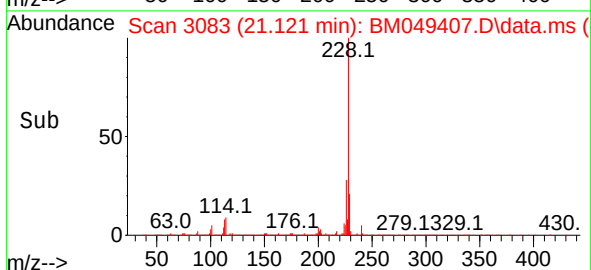
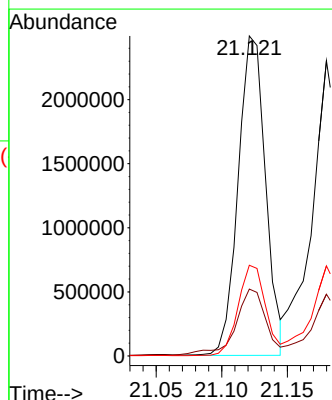
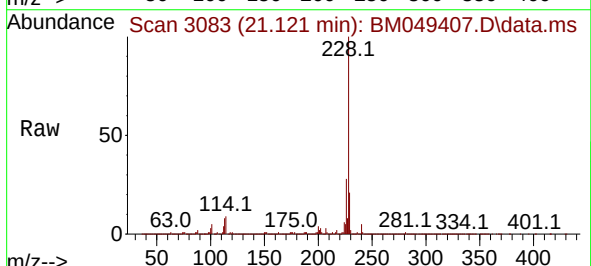
Tgt Ion:228 Resp: 3625513

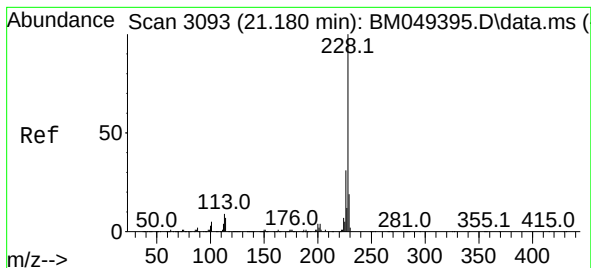
Ion Ratio Lower Upper

228 100

229 20.9 15.8 23.6

226 28.4 22.1 33.1





#87

Chrysene

Concen: 33.683 ng/ul

RT: 21.180 min Scan# 3093

Delta R.T. -0.006 min

Lab File: BM049407.D

Acq: 23 Jan 2025 07:06

Instrument :

BNA_M

ClientSampleId :

DCZJ0

Tgt Ion:228 Resp: 336863

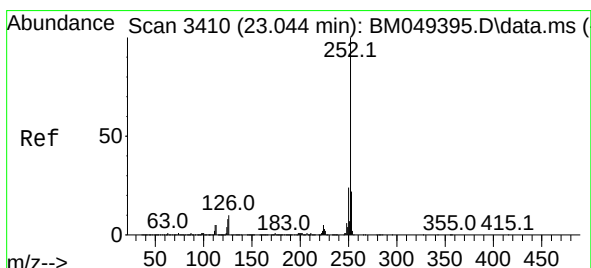
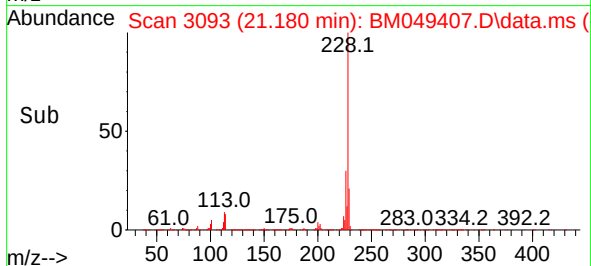
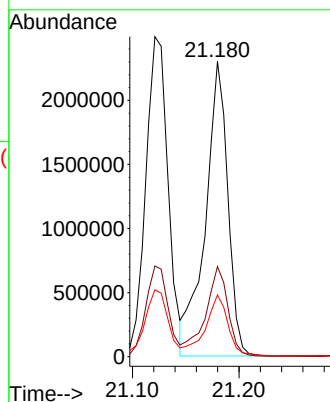
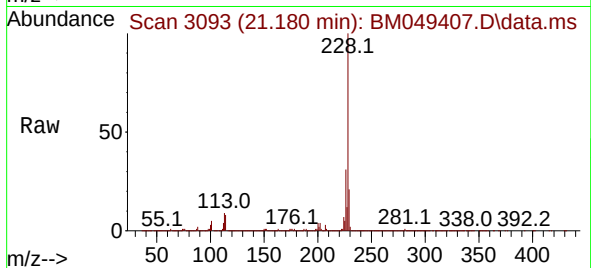
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.3	36.5
229	20.9	16.0	24.0

Manual Integrations

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Supervised By :mohammad ahmed 01/24/2025



#90

Benzo(b)fluoranthene

Concen: 18.814 ng/ul

RT: 23.050 min Scan# 3411

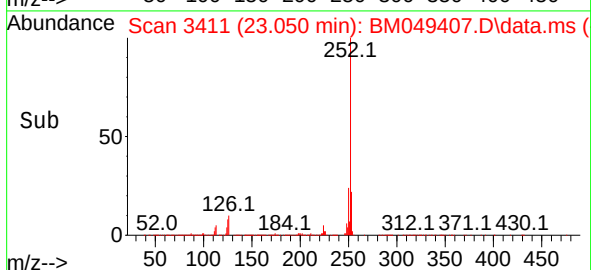
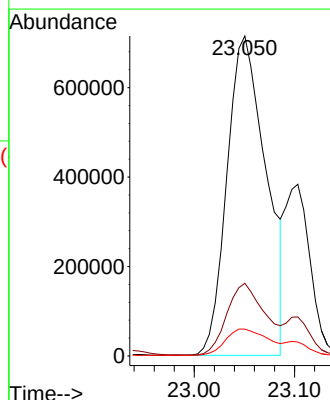
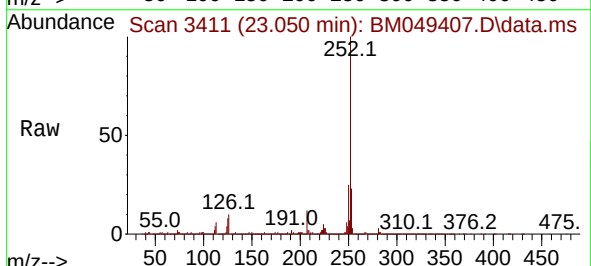
Delta R.T. -0.006 min

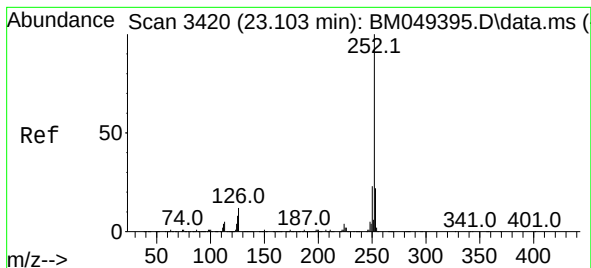
Lab File: BM049407.D

Acq: 23 Jan 2025 07:06

Tgt Ion:252 Resp: 1934238

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	8.4	6.6	9.8





#91

Benzo(k)fluoranthene

Concen: 6.324 ng/ul

RT: 23.103 min Scan# 3420

Delta R.T. -0.012 min

Lab File: BM049407.D

Acq: 23 Jan 2025 07:06

Instrument :

BNA_M

ClientSampleId :

DCZJ0

Tgt Ion:252 Resp: 648249

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

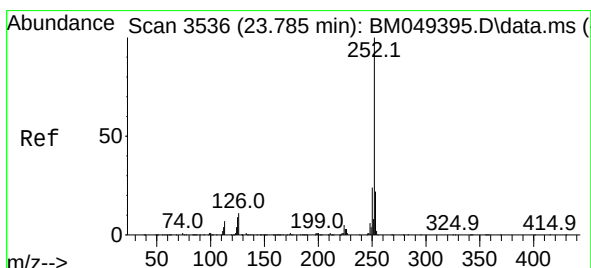
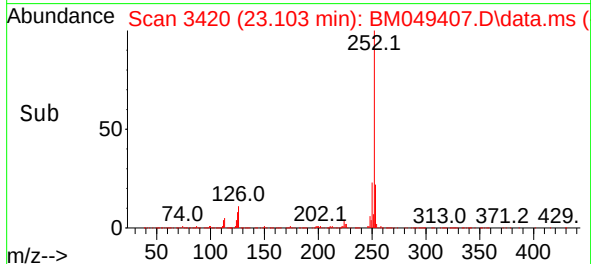
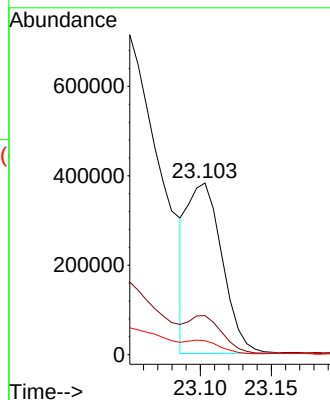
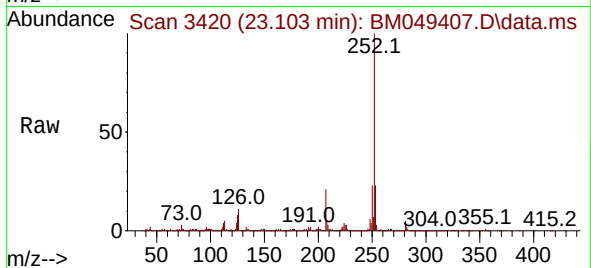
125 8.1 6.5 9.7

Manual Integrations

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Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025



#93

Benzo(a)pyrene

Concen: 11.358 ng/ul

RT: 23.786 min Scan# 3536

Delta R.T. -0.012 min

Lab File: BM049407.D

Acq: 23 Jan 2025 07:06

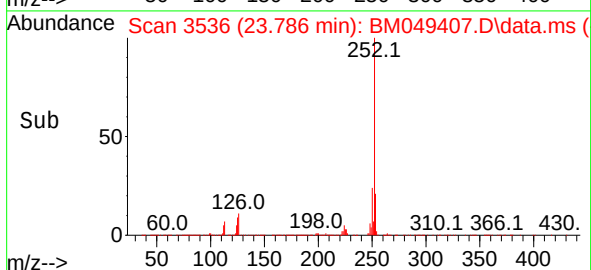
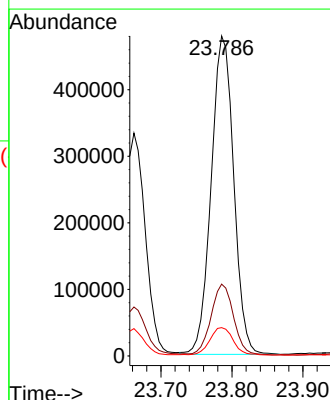
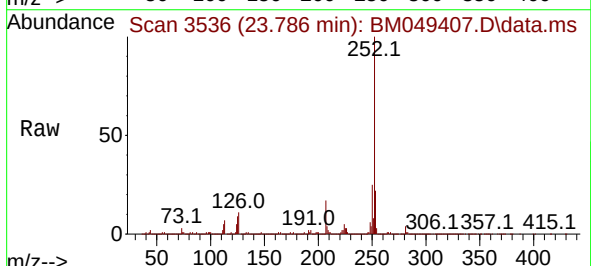
Tgt Ion:252 Resp: 1054750

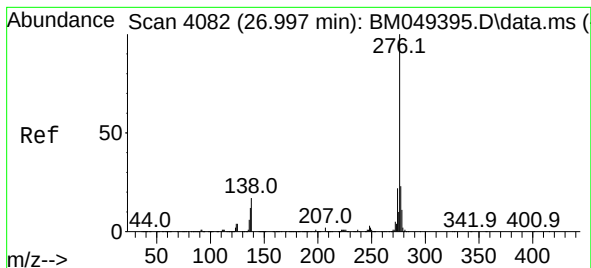
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 8.9 6.9 10.3





#94

Indeno(1,2,3-cd)pyrene

Concen: 3.301 ng/ul

RT: 26.991 min Scan# 4081

Delta R.T. -0.029 min

Lab File: BM049407.D

Acq: 23 Jan 2025 07:06

Instrument :

BNA_M

ClientSampleId :

DCZJ0

Tgt Ion:276 Resp: 35164

Ion Ratio Lower Upper

276 100

138 17.0 13.4 20.0

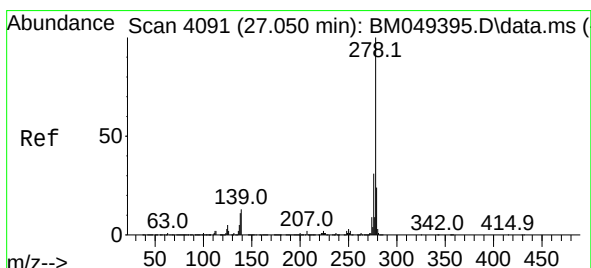
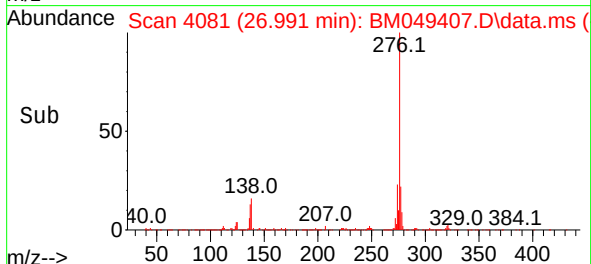
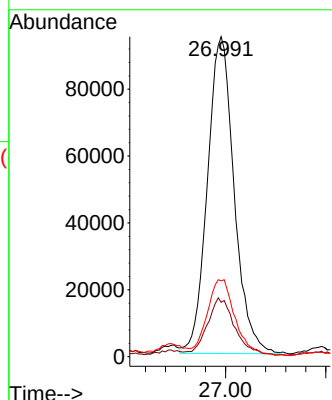
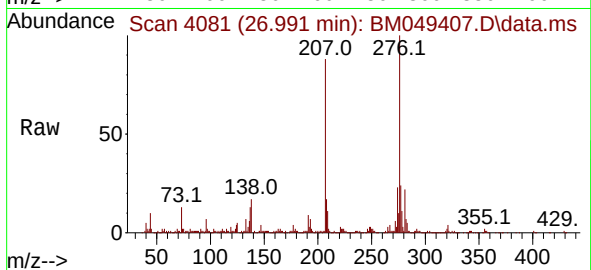
277 23.7 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025



#95

Dibenzo(a,h)anthracene

Concen: 1.146 ng/ul m

RT: 27.032 min Scan# 4088

Delta R.T. -0.041 min

Lab File: BM049407.D

Acq: 23 Jan 2025 07:06

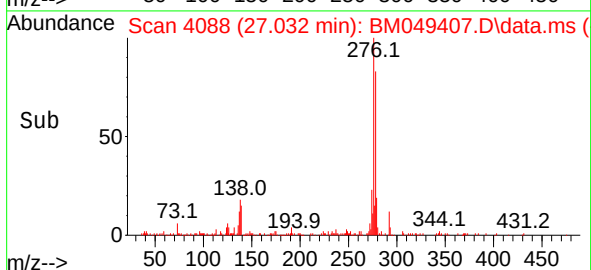
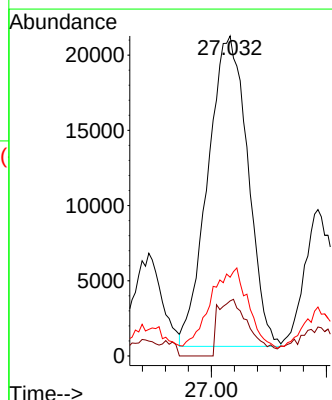
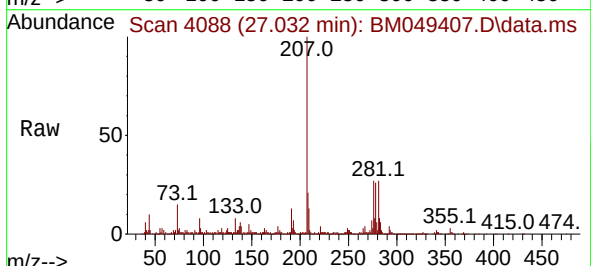
Tgt Ion:278 Resp: 99398

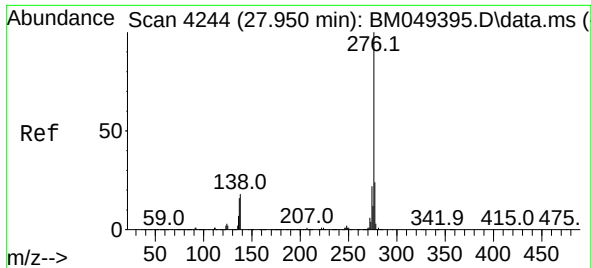
Ion Ratio Lower Upper

278 100

139 17.2 9.9 14.9#

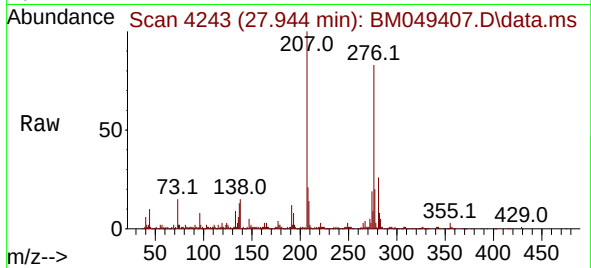
279 24.6 19.4 29.0





#96
 Benzo(g,h,i)perylene
 Concen: 3.309 ng/ul
 RT: 27.944 min Scan# 41
 Delta R.T. -0.035 min
 Lab File: BM049407.D
 Acq: 23 Jan 2025 07:06

Instrument :
 BNA_M
 ClientSampleId :
 DCZJ0



Tgt Ion:276 Resp: 263134
 Ion Ratio Lower Upper
 276 100
 138 18.7 14.1 21.1
 277 23.8 19.4 29.0

Manual Integrations
 APPROVED

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

