

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049416.D
 Acq On : 23 Jan 2025 12:56
 Operator : RC/JU
 Sample : Q1139-12DL 10X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH9DL

Quant Time: Jan 23 22:41:50 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

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	284222	20.000	ng/u1	0.00
20) Naphthalene-d8	10.281	136	1042293	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.157	164	654082	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.915	188	1265504	20.000	ng/u1	0.00
79) Chrysene-d12	21.145	240	1104404	20.000	ng/u1	0.00
88) Perylene-d12	23.921	264	1069038	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	3741	0.545	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	0.00
7) Phenol-d5	6.710	99	51838	2.173	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	40629	2.557	ng/u1	0.00
11) 2-Chlorophenol-d4	7.057	132	44316	2.428	ng/u1	0.00
15) 4-Methylphenol-d8	8.234	113	39243	2.121	ng/u1	0.00
21) Nitrobenzene-d5	8.663	128	19415	2.443	ng/u1	0.00
24) 2-Nitrophenol-d4	9.375	143	18915	2.129	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.916	165	41967	2.315	ng/u1	0.00
31) 4-Chloroaniline-d4	10.439	131	21196	0.888	ng/u1	0.01
46) Dimethylphthalate-d6	13.580	166	141423	2.905	ng/u1	0.00
49) Acenaphthylene-d8	13.845	160	140736	2.532	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	0.00
60) Fluorene-d10	15.157	176	109740	2.609	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.298	200	3016	0.374	ng/u1	0.00
73) Anthracene-d10	17.010	188	155478	2.485	ng/u1	0.00
81) Pyrene-d10	19.315	212	143816	2.140	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.727	264	68907	1.201	ng/u1	-0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.328	128	110289	1.994	ng/u1	98
37) 1-Methylnaphthalene	12.175	142	265256	6.735	ng/u1	98
50) Acenaphthylene	13.874	152	145521	2.554	ng/u1#	96
52) Acenaphthene	14.227	153	4153172	102.024	ng/u1	99
61) Fluorene	15.216	166	4478473	94.821	ng/u1	99
72) Phenanthrene	16.957	178	18769812m	266.790	ng/u1	
74) Anthracene	17.045	178	3142156	44.496	ng/u1	100
80) Fluoranthene	18.980	202	20965877m	271.463	ng/u1	
82) Pyrene	19.351	202	15126486	183.993	ng/u1	99
85) Benzo(a)anthracene	21.127	228	4101013	53.284	ng/u1	98
87) Chrysene	21.186	228	5193357	73.913	ng/u1	99
90) Benzo(b)fluoranthene	23.056	252	2390095	33.403	ng/u1	99
91) Benzo(k)fluoranthene	23.103	252	929270m	13.025	ng/u1	
93) Benzo(a)pyrene	23.786	252	432488	6.692	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	26.997	276	221511	2.988	ng/u1	97
95) Dibenzo(a,h)anthracene	27.032	278	99825m	1.653	ng/u1	

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

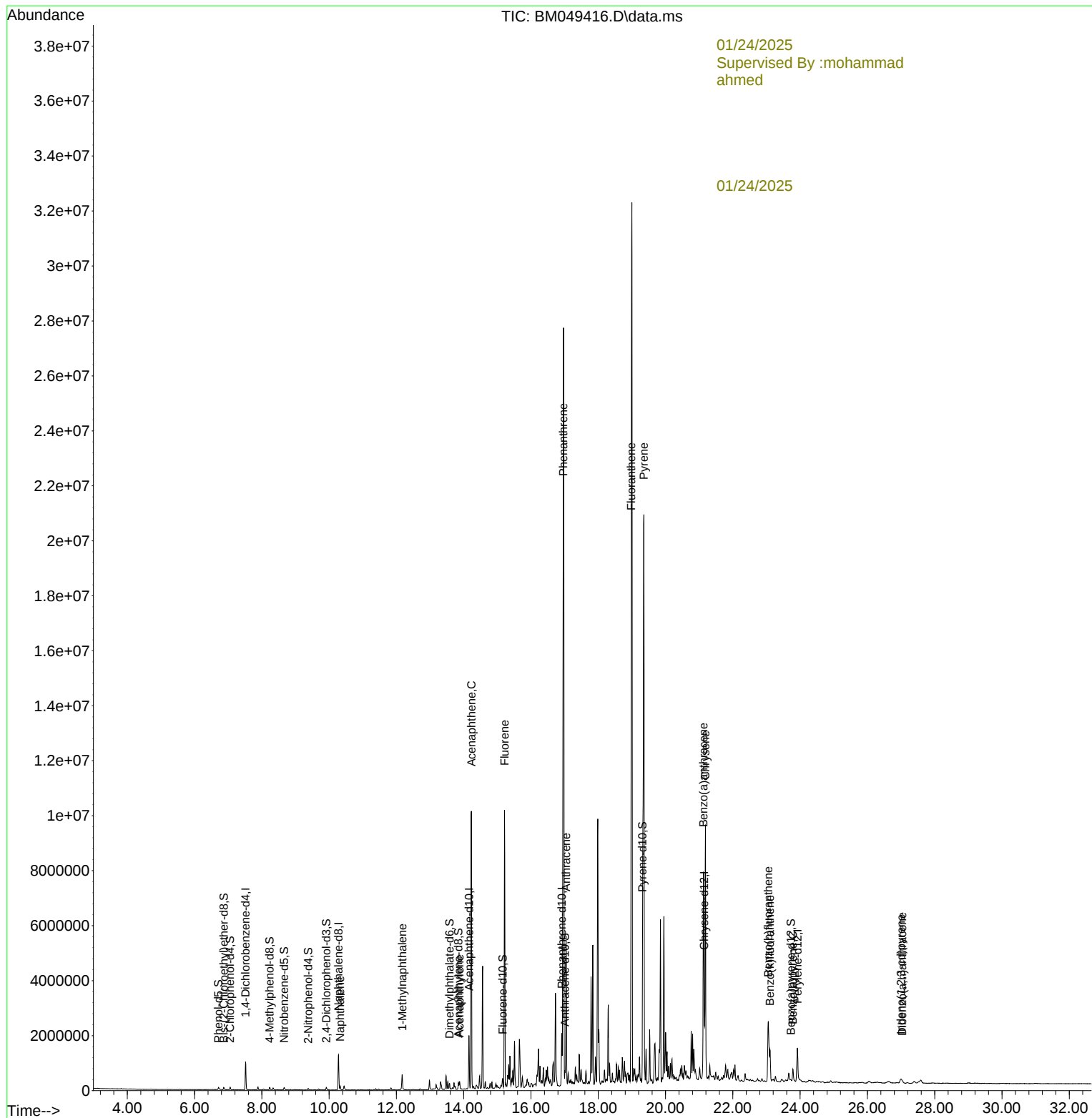
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049416.D
Acq On : 23 Jan 2025 12:56
Operator : RC/JU
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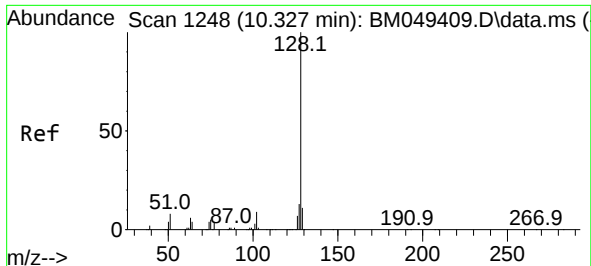
Instrument :
BNA_M
ClientSampleId :
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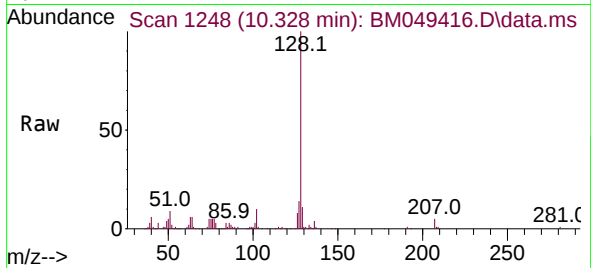
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
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#30
Naphthalene
Concen: 1.994 ng/ul
RT: 10.328 min Scan# 11028
Delta R.T. -0.006 min
Lab File: BM049416.D
Acq: 23 Jan 2025 12:56

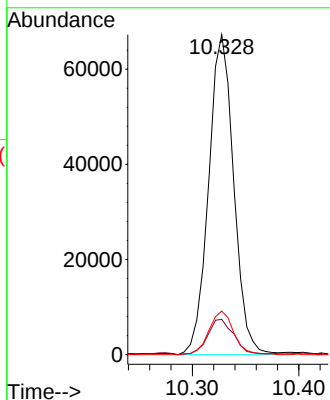
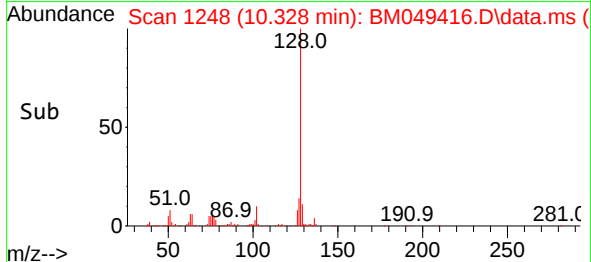
Instrument :
BNA_M
ClientSampleId :
DCZH9DL



Tgt Ion:128 Resp: 110289
Ion Ratio Lower Upper
128 100
129 11.1 8.5 12.7
127 13.7 10.2 15.2

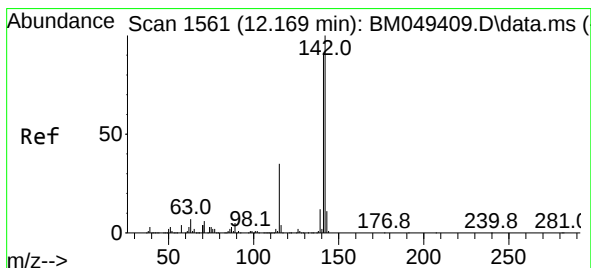
Manual Integrations
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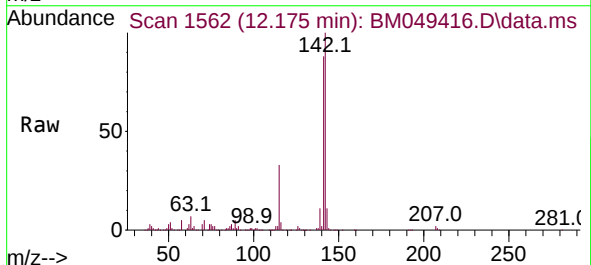


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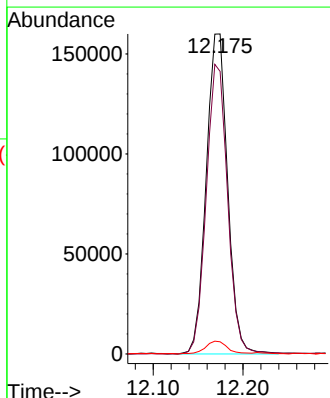
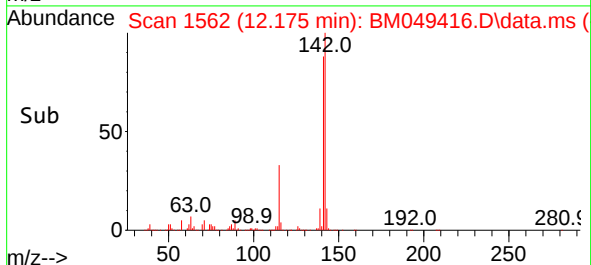
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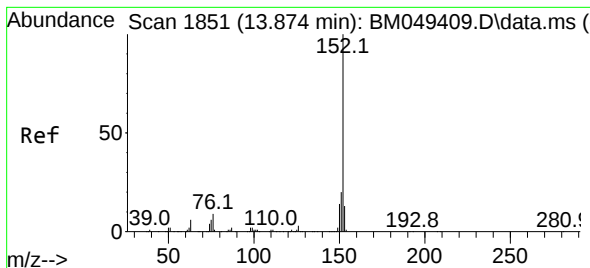


#37
1-Methylnaphthalene
Concen: 6.735 ng/ul
RT: 12.175 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BM049416.D
Acq: 23 Jan 2025 12:56



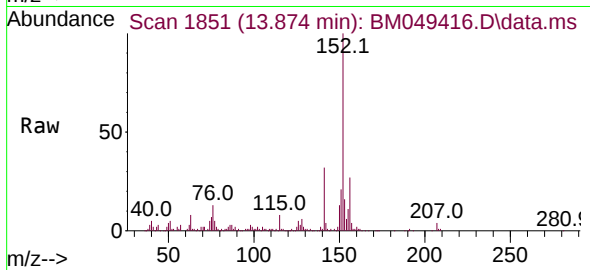
Tgt Ion:142 Resp: 265256
Ion Ratio Lower Upper
142 100
141 88.3 71.9 107.9
116 3.8 2.8 4.2





#50
Acenaphthylene
Concen: 2.554 ng/ul
RT: 13.874 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049416.D
Acq: 23 Jan 2025 12:56

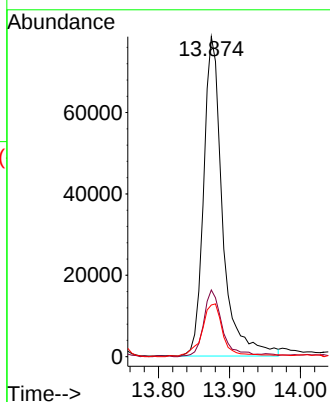
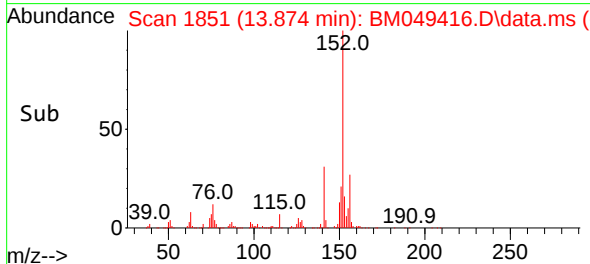
Instrument :
BNA_M
ClientSampleId :
DCZH9DL



Tgt Ion:152 Resp: 14552
Ion Ratio Lower Upper
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151 20.8 15.8 23.8
153 16.2 10.6 15.8

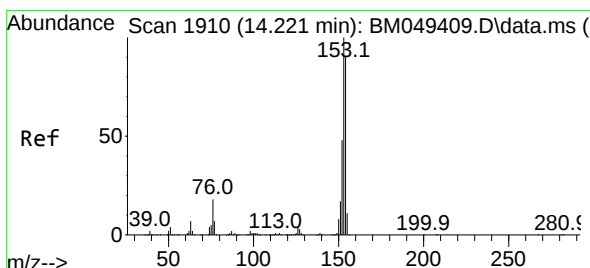
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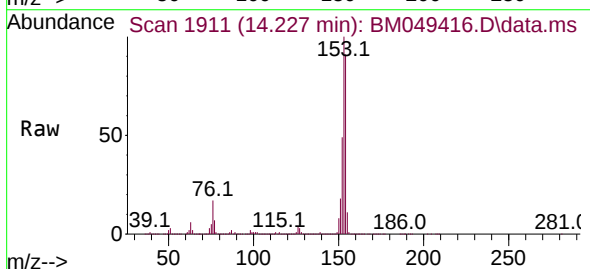


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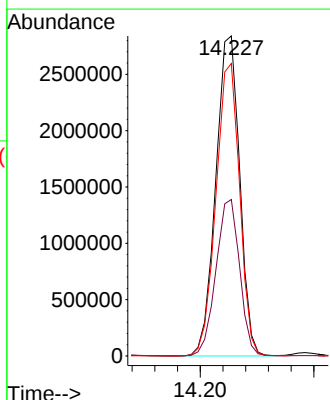
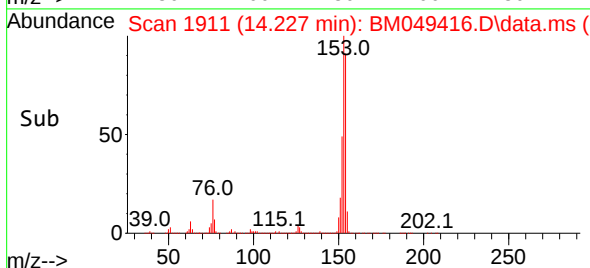
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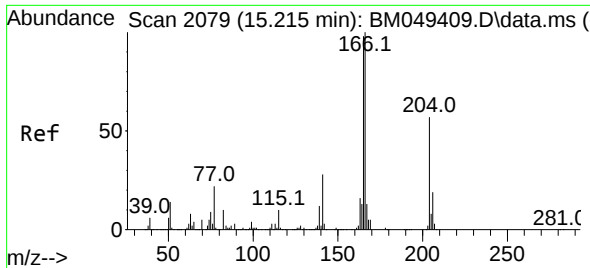


#52
Acenaphthene
Concen: 102.024 ng/ul
RT: 14.227 min Scan# 1911
Delta R.T. 0.000 min
Lab File: BM049416.D
Acq: 23 Jan 2025 12:56



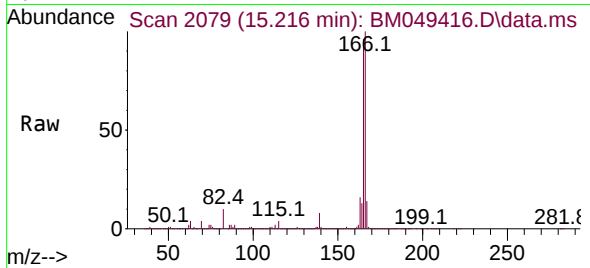
Tgt Ion:153 Resp: 4153172
Ion Ratio Lower Upper
153 100
152 48.9 39.0 58.6
154 91.4 71.6 107.4





#61
Fluorene
Concen: 94.821 ng/ul
RT: 15.216 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BM049416.D
Acq: 23 Jan 2025 12:56

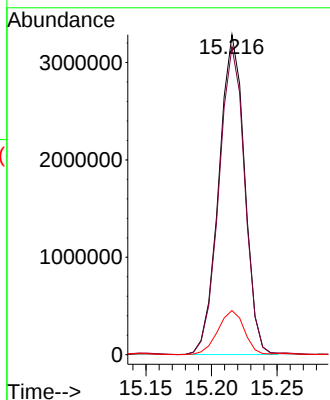
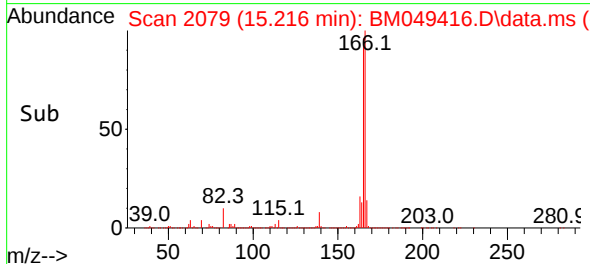
Instrument :
BNA_M
ClientSampleId :
DCZH9DL



Tgt Ion:166 Resp: 447847
Ion Ratio Lower Upper
166 100
165 96.3 77.7 116.5
167 13.8 10.7 16.1

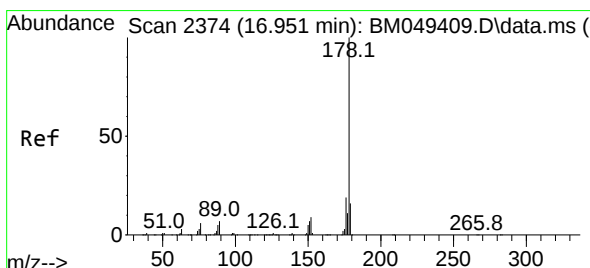
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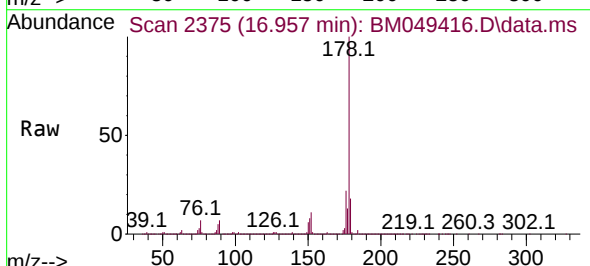


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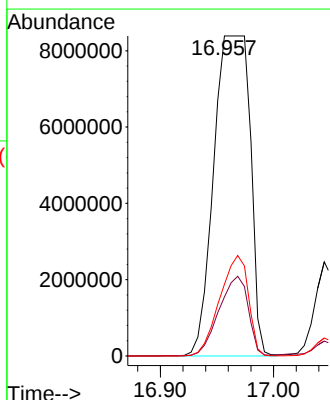
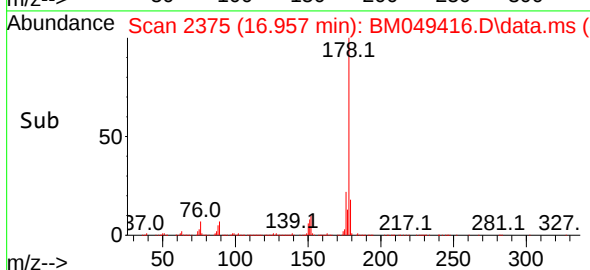
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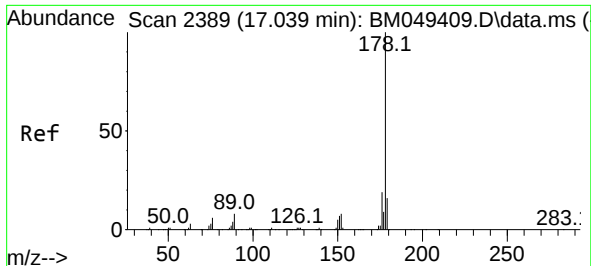


#72
Phenanthrene
Concen: 266.790 ng/ul m
RT: 16.957 min Scan# 2375
Delta R.T. 0.000 min
Lab File: BM049416.D
Acq: 23 Jan 2025 12:56



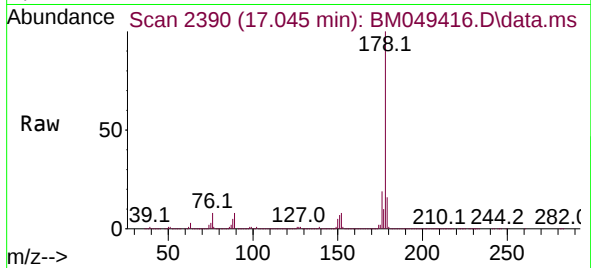
Tgt Ion:178 Resp:18769812
Ion Ratio Lower Upper
178 100
179 18.5 12.6 19.0
176 22.4 15.4 23.2





#74
 Anthracene
 Concen: 44.496 ng/ul
 RT: 17.045 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM049416.D
 Acq: 23 Jan 2025 12:56

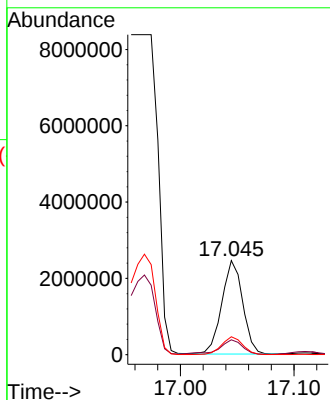
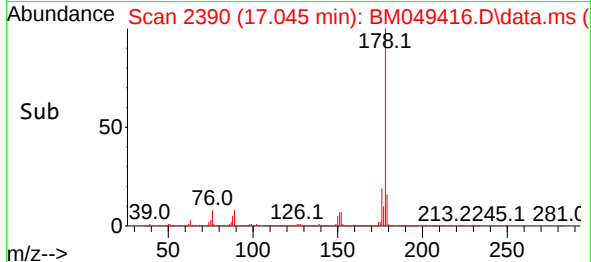
Instrument :
 BNA_M
 ClientSampleId :
 DCZH9DL



Tgt Ion:178 Resp: 3142150
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.5 18.7
 176 19.1 15.1 22.7

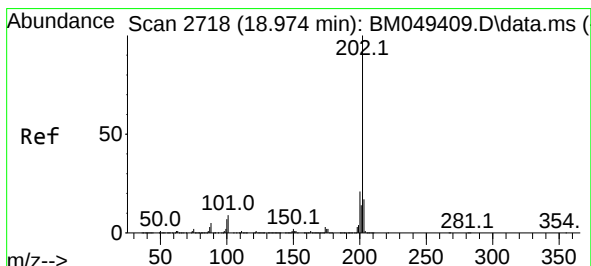
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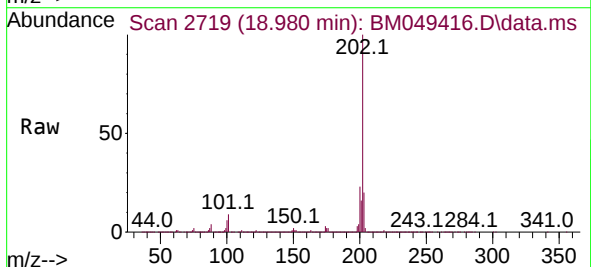


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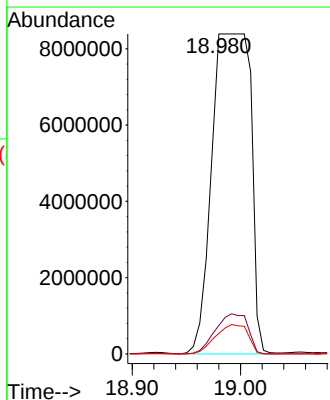
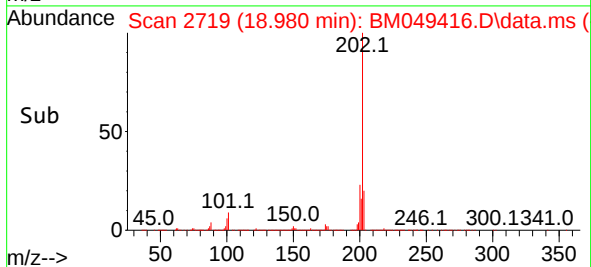
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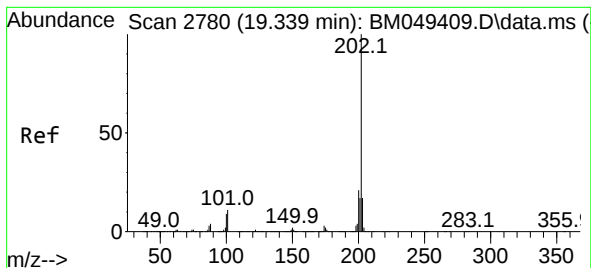


#80
 Fluoranthene
 Concen: 271.463 ng/ul m
 RT: 18.980 min Scan# 2719
 Delta R.T. -0.006 min
 Lab File: BM049416.D
 Acq: 23 Jan 2025 12:56



Tgt Ion:202 Resp:20965877
 Ion Ratio Lower Upper
 202 100
 101 8.9 7.0 10.4
 100 6.4 5.0 7.6





#82

Pyrene

Concen: 183.993 ng/ul

RT: 19.351 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM049416.D

Acq: 23 Jan 2025 12:56

Instrument :

BNM

ClientSampleId :

DCZH9DL

Tgt Ion:202 Resp:1512648

Ion Ratio Lower Upper

202 100

101 10.6 7.8 11.8

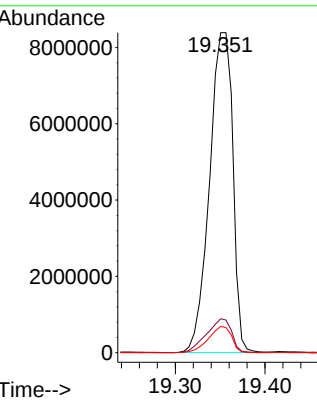
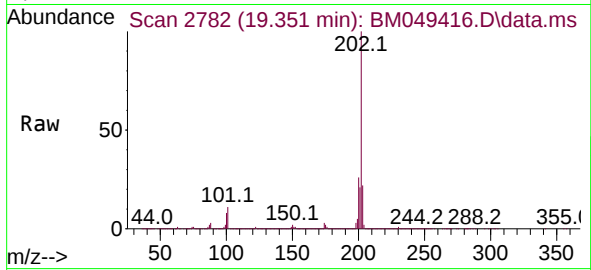
100 8.2 6.6 10.0

Manual Integrations

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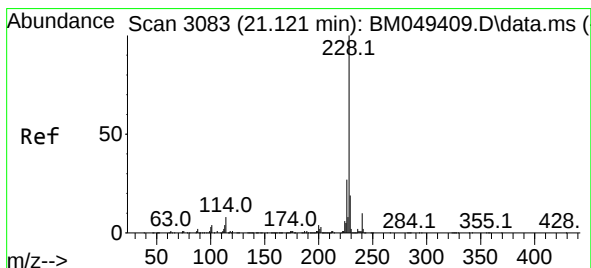
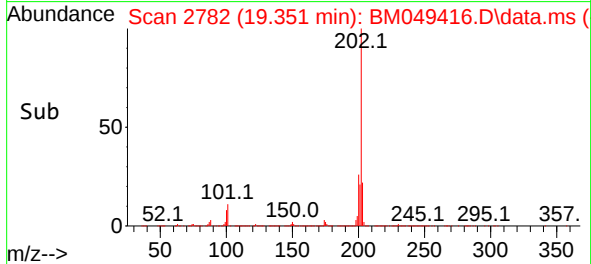
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ahmed

01/24/2025



#85

Benzo(a)anthracene

Concen: 53.284 ng/ul

RT: 21.127 min Scan# 3084

Delta R.T. -0.006 min

Lab File: BM049416.D

Acq: 23 Jan 2025 12:56

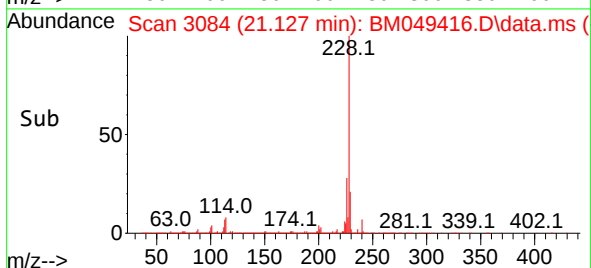
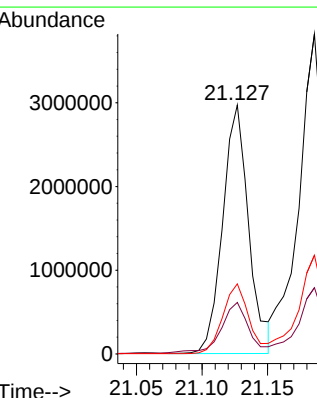
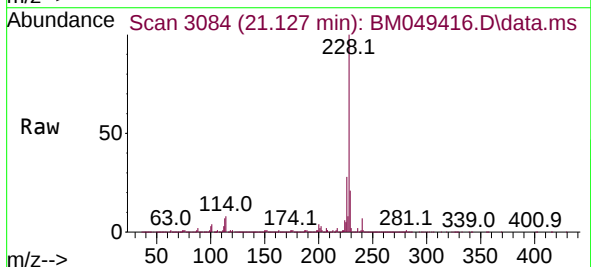
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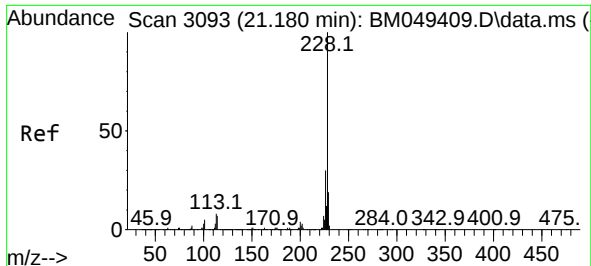
Ion Ratio Lower Upper

228 100

229 20.7 15.8 23.6

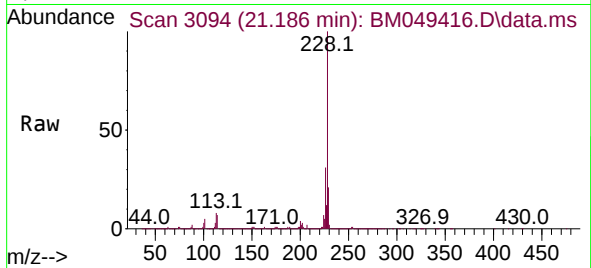
226 28.2 22.1 33.1





#87
Chrysene
Concen: 73.913 ng/ul
RT: 21.186 min Scan# 3094
Delta R.T. 0.000 min
Lab File: BM049416.D
Acq: 23 Jan 2025 12:56

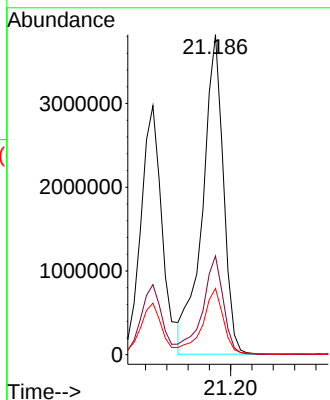
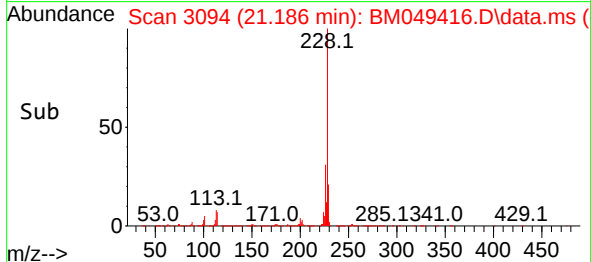
Instrument :
BNA_M
ClientSampleId :
DCZH9DL



Tgt Ion:228 Resp: 519335
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 20.7 16.0 24.0

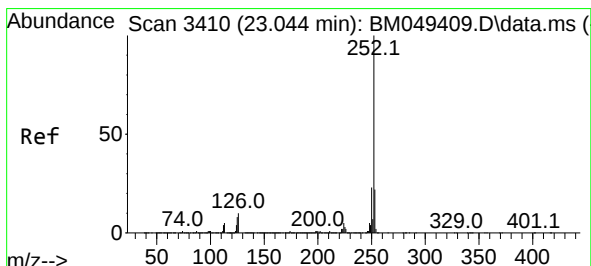
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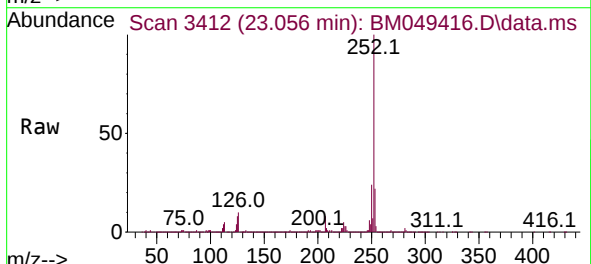


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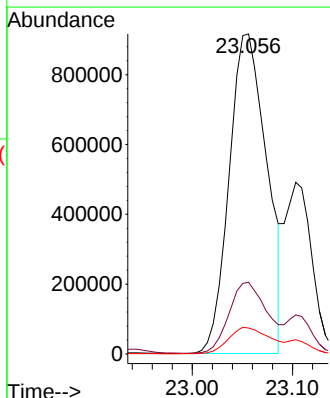
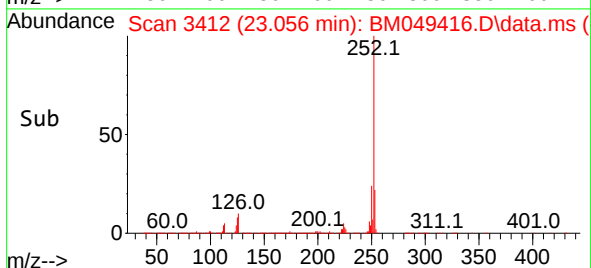
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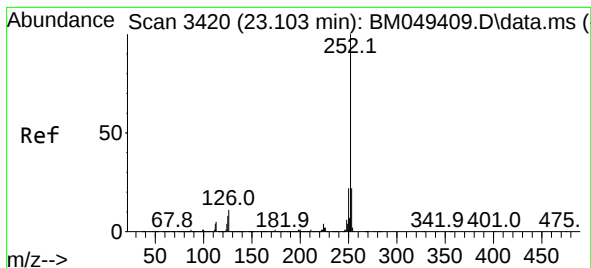


#90
Benzo(b)fluoranthene
Concen: 33.403 ng/ul
RT: 23.056 min Scan# 3412
Delta R.T. 0.000 min
Lab File: BM049416.D
Acq: 23 Jan 2025 12:56



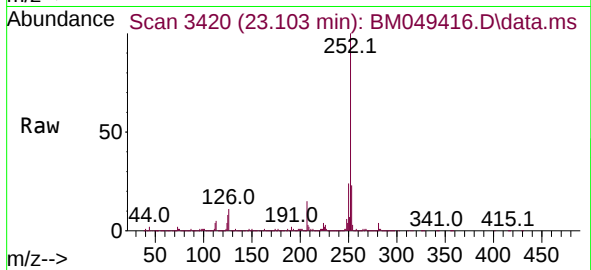
Tgt Ion:252 Resp: 2390095
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 8.1 6.6 9.8





#91
Benzo(k)fluoranthene
Concen: 13.025 ng/ul m
RT: 23.103 min Scan# 3420
Delta R.T. -0.012 min
Lab File: BM049416.D
Acq: 23 Jan 2025 12:56

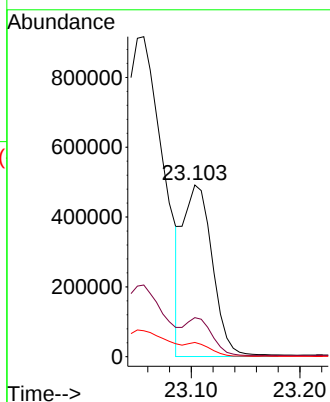
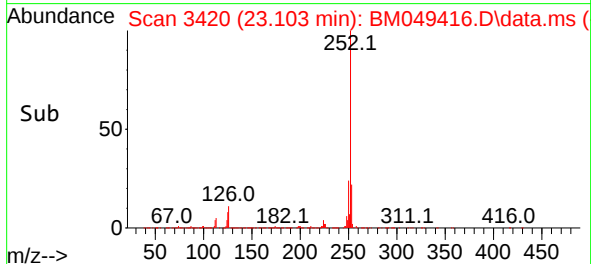
Instrument :
BNA_M
ClientSampleId :
DCZH9DL



Tgt Ion:252 Resp: 929270
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 8.3 6.5 9.7

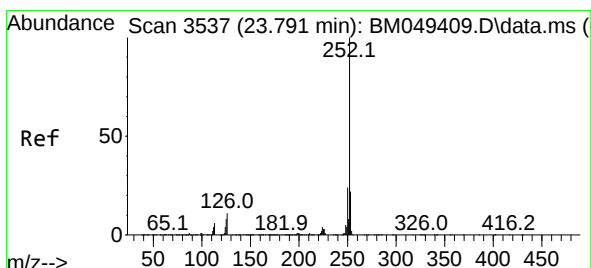
Manual Integrations
APPROVED

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



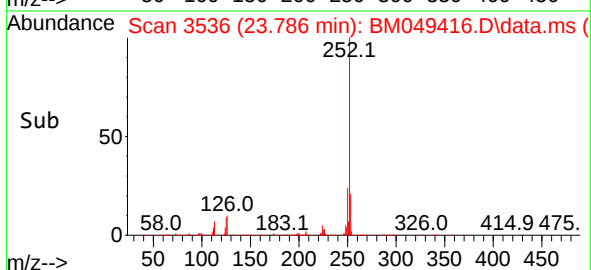
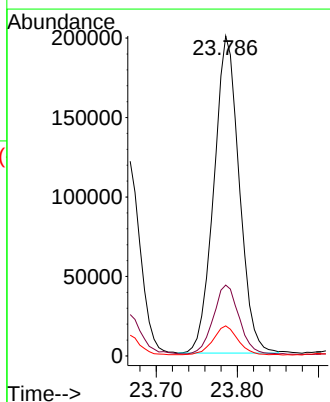
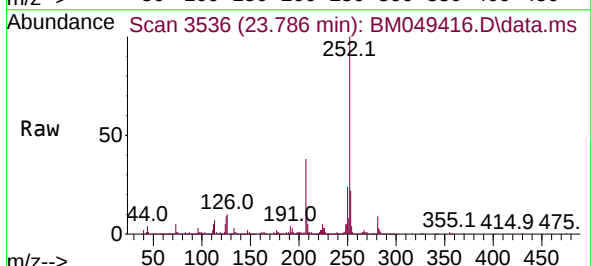
01/24/2025
Supervised By :mohammad
ahmed

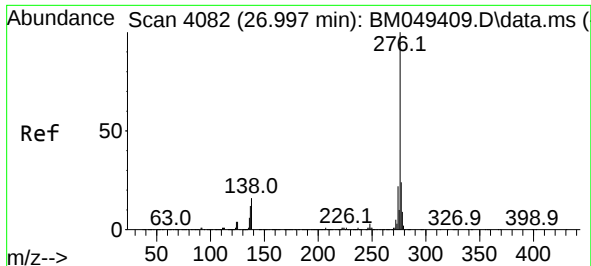
01/24/2025



#93
Benzo(a)pyrene
Concen: 6.692 ng/ul
RT: 23.786 min Scan# 3536
Delta R.T. -0.012 min
Lab File: BM049416.D
Acq: 23 Jan 2025 12:56

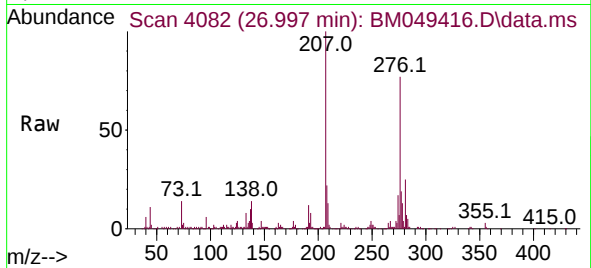
Tgt Ion:252 Resp: 432488
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 9.4 6.9 10.3





#94
Indeno(1,2,3-cd)pyrene
Concen: 2.988 ng/ul
RT: 26.997 min Scan# 4082
Delta R.T. -0.023 min
Lab File: BM049416.D
Acq: 23 Jan 2025 12:56

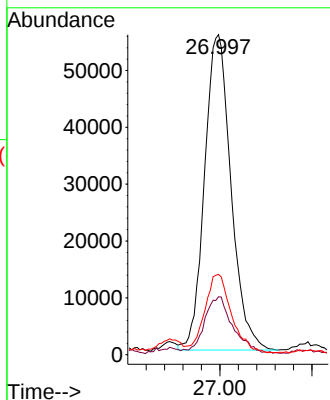
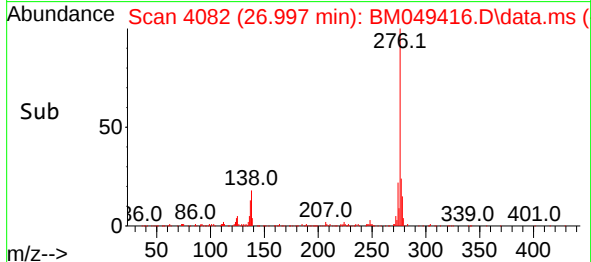
Instrument :
BNA_M
ClientSampleId :
DCZH9DL



Tgt Ion:276 Resp: 22151
Ion Ratio Lower Upper
276 100
138 18.1 13.4 20.0
277 25.1 19.1 28.7

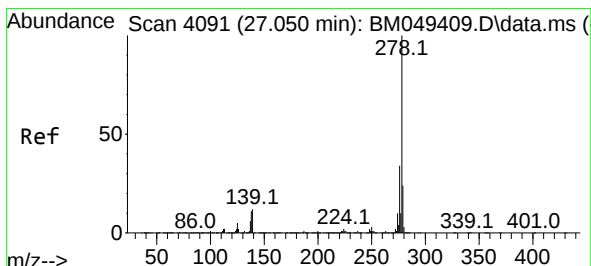
Manual Integrations
APPROVED

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

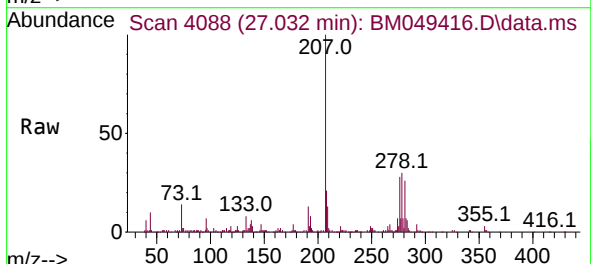


01/24/2025
Supervised By :mohammad
ahmed

01/24/2025



#95
Dibenzo(a,h)anthracene
Concen: 1.653 ng/ul m
RT: 27.032 min Scan# 4088
Delta R.T. -0.041 min
Lab File: BM049416.D
Acq: 23 Jan 2025 12:56



Tgt Ion:278 Resp: 99825
Ion Ratio Lower Upper
278 100
139 11.3 9.9 14.9
279 24.4 19.4 29.0

