

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049413.D
 Acq On : 23 Jan 2025 10:59
 Operator : RC/JU
 Sample : Q1139-19DL 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZJ6DL

Quant Time: Jan 23 22:26:02 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

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	252278	20.000	ng/u1	0.00
20) Naphthalene-d8	10.280	136	880152	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.157	164	529296	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.909	188	1027247	20.000	ng/u1	0.00
79) Chrysene-d12	21.139	240	1152024	20.000	ng/u1	0.00
88) Perylene-d12	23.921	264	1207256	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	5190	0.851	ng/uL	0.00
4) Pyridine-d5	3.528	84	16292	0.839	ng/u1	0.02
7) Phenol-d5	6.716	99	67729	3.198	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	54562	3.869	ng/u1	0.00
11) 2-Chlorophenol-d4	7.057	132	58520	3.612	ng/u1	0.00
15) 4-Methylphenol-d8	8.234	113	49536	3.016	ng/u1	0.00
21) Nitrobenzene-d5	8.663	128	24805	3.696	ng/u1	0.00
24) 2-Nitrophenol-d4	9.381	143	23289	3.104	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.916	165	51397m	3.357	ng/u1	0.00
31) 4-Chloroaniline-d4	10.439	131	17975m	0.892	ng/u1	0.01
46) Dimethylphthalate-d6	13.580	166	154191	3.914	ng/u1	0.00
49) Acenaphthylene-d8	13.845	160	169569	3.770	ng/u1	0.00
54) 4-Nitrophenol-d4	14.404	143	8040m	1.232	ng/u1	0.01
60) Fluorene-d10	15.157	176	125047	3.674	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.286	200	7790	1.190	ng/u1	0.00
73) Anthracene-d10	17.004	188	187739	3.697	ng/u1	-0.01
81) Pyrene-d10	19.309	212	179009	2.553	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.727	264	105175	1.623	ng/u1	-0.02
Target Compounds					Qvalue	
30) Naphthalene	10.328	128	69622	1.491	ng/u1	98
50) Acenaphthylene	13.874	152	138137	2.996	ng/u1	99
72) Phenanthrene	16.951	178	301667	5.282	ng/u1	99
74) Anthracene	17.039	178	642312	11.205	ng/u1	99
80) Fluoranthene	18.980	202	2796194	34.708	ng/u1	99
82) Pyrene	19.339	202	1984022	23.135	ng/u1	99
85) Benzo(a)anthracene	21.121	228	1584066	19.731	ng/u1	97
87) Chrysene	21.180	228	2762488	37.691	ng/u1	99
90) Benzo(b)fluoranthene	23.056	252	3712331	45.942	ng/u1	99
91) Benzo(k)fluoranthene	23.109	252	1093030	13.566	ng/u1	97
93) Benzo(a)pyrene	23.791	252	431514	5.912	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	26.997	276	457478	5.464	ng/u1	97
95) Dibenzo(a,h)anthracene	27.044	278	206340	3.026	ng/u1	94

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

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Acq On : 23 Jan 2025 10:59
Operator : RC/JU
Sample : Q1139-19DL 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

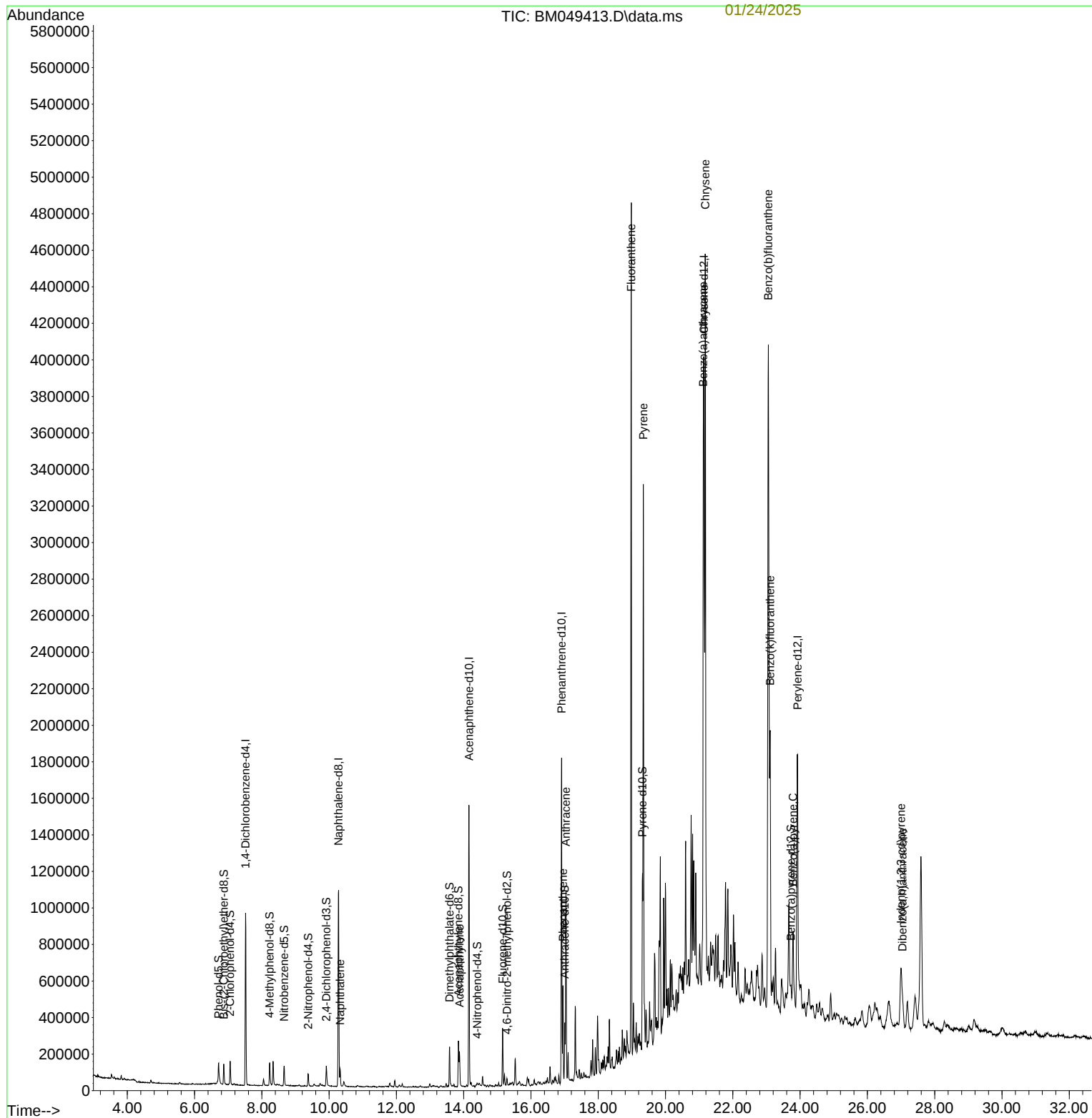
Instrument :
BNA_M
ClientSampleId :
DCZJ6DL

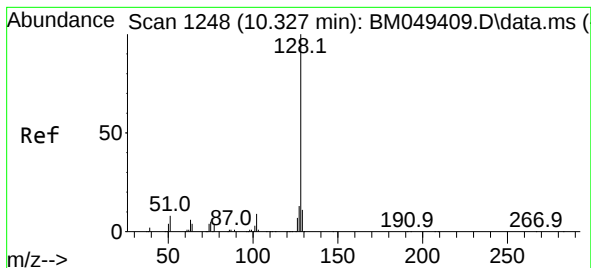
Quant Time: Jan 23 22:26:02 2025
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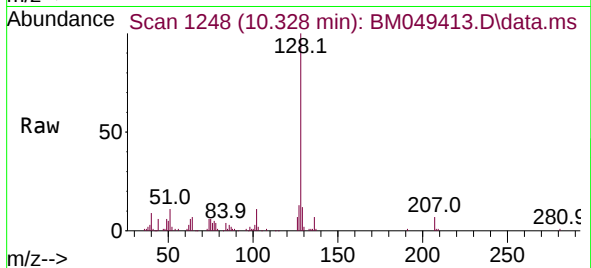
Supervised By :mohammad
ahmed
01/24/2025





#30
Naphthalene
Concen: 1.491 ng/ul
RT: 10.328 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BM049413.D
Acq: 23 Jan 2025 10:59

Instrument :
BNA_M
ClientSampleId :
DCZJ6DL

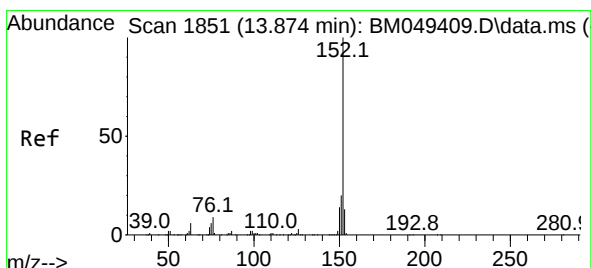
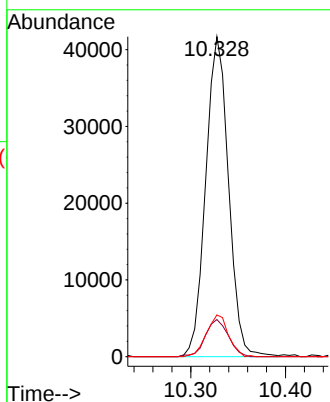
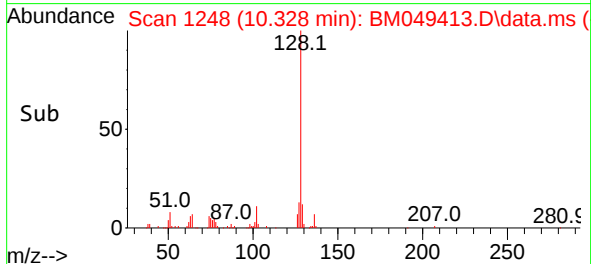


Tgt Ion:128 Resp: 6962
Ion Ratio Lower Upper
128 100
129 11.6 8.5 12.7
127 13.0 10.2 15.2

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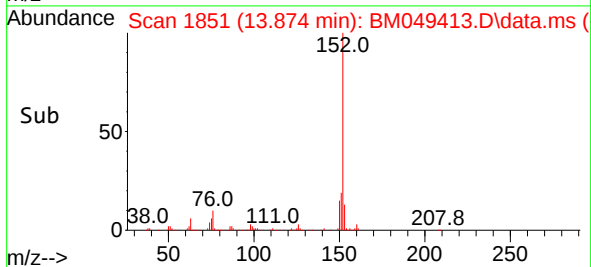
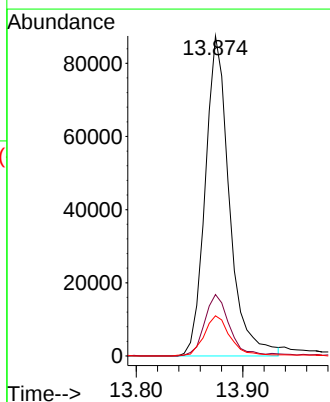
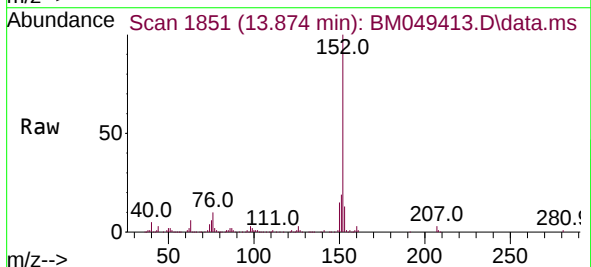
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

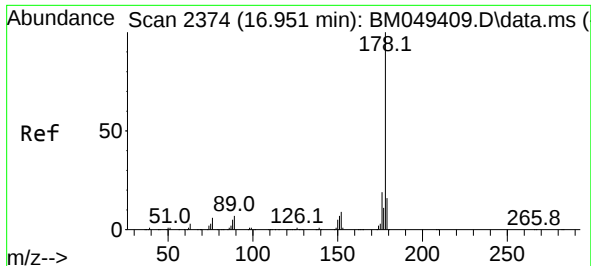
Supervised By :mohammad
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01/24/2025



#50
Acenaphthylene
Concen: 2.996 ng/ul
RT: 13.874 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049413.D
Acq: 23 Jan 2025 10:59

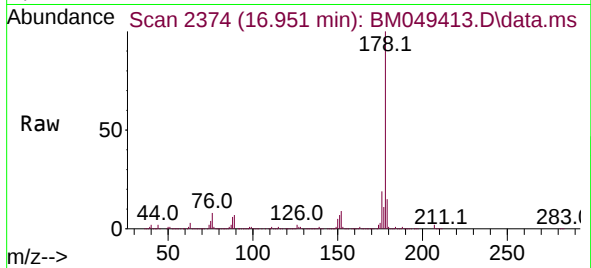
Tgt Ion:152 Resp: 138137
Ion Ratio Lower Upper
152 100
151 19.2 15.8 23.8
153 12.5 10.6 15.8





#72
Phenanthrene
Concen: 5.282 ng/u1
RT: 16.951 min Scan# 2374
Delta R.T. -0.006 min
Lab File: BM049413.D
Acq: 23 Jan 2025 10:59

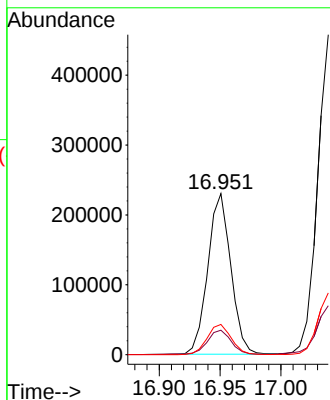
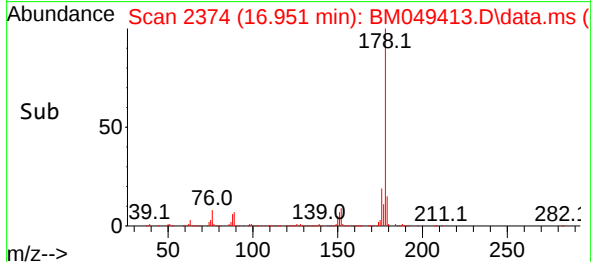
Instrument :
BNA_M
ClientSampleId :
DCZJ6DL



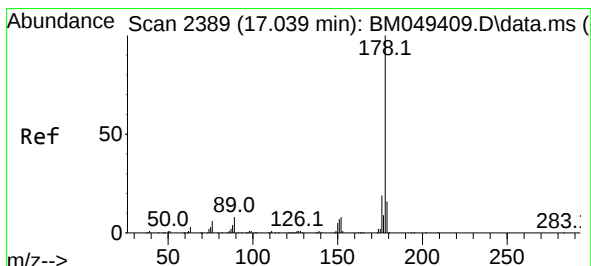
Tgt Ion:178 Resp: 30166
Ion Ratio Lower Upper
178 100
179 15.2 12.6 19.0
176 18.8 15.4 23.2

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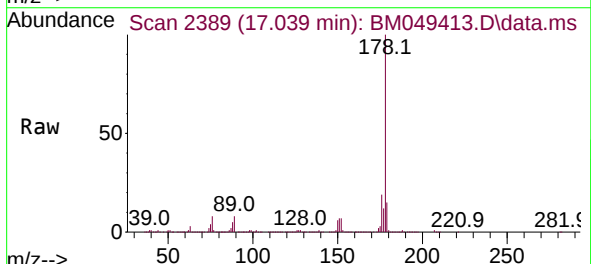
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



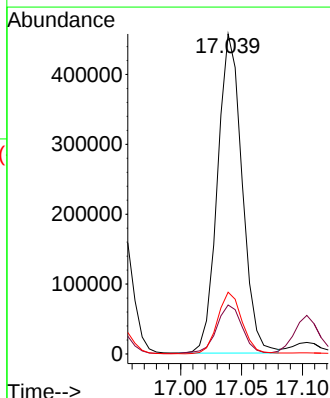
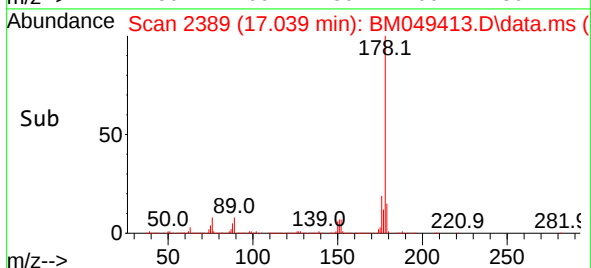
Supervised By :mohammad
ahmed
01/24/2025

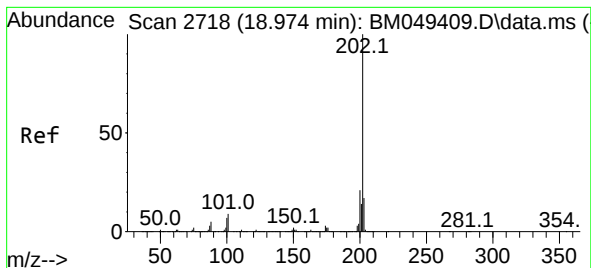


#74
Anthracene
Concen: 11.205 ng/u1
RT: 17.039 min Scan# 2389
Delta R.T. -0.012 min
Lab File: BM049413.D
Acq: 23 Jan 2025 10:59



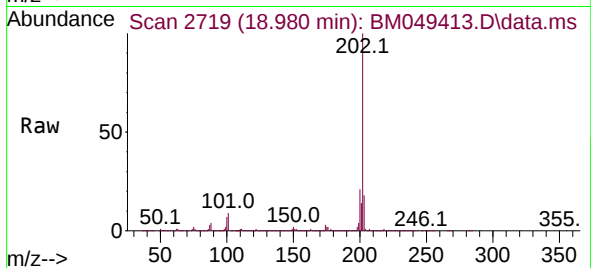
Tgt Ion:178 Resp: 642312
Ion Ratio Lower Upper
178 100
179 15.3 12.5 18.7
176 19.3 15.1 22.7





#80
Fluoranthene
Concen: 34.708 ng/u1
RT: 18.980 min Scan# 2719
Delta R.T. -0.006 min
Lab File: BM049413.D
Acq: 23 Jan 2025 10:59

Instrument :
BNA_M
ClientSampleId :
DCZJ6DL

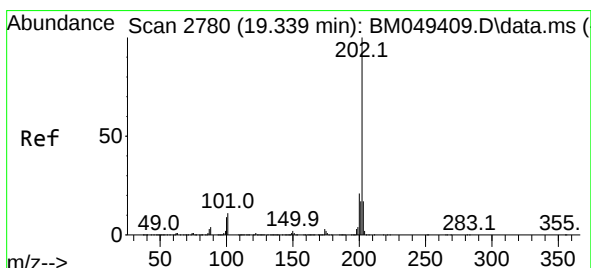
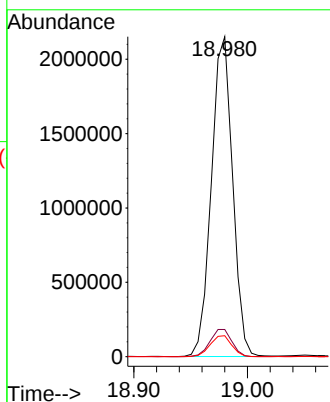
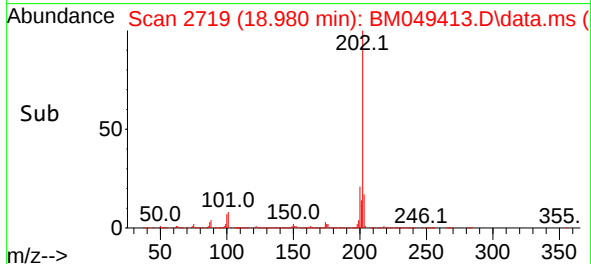


Tgt Ion:202 Resp: 2796194
Ion Ratio Lower Upper
202 100
101 8.5 7.0 10.4
100 6.6 5.0 7.6

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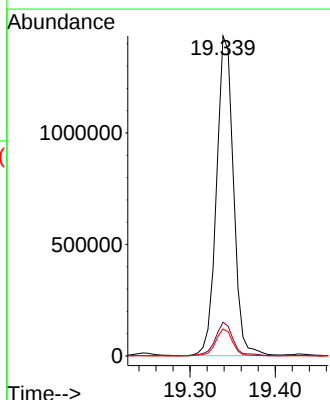
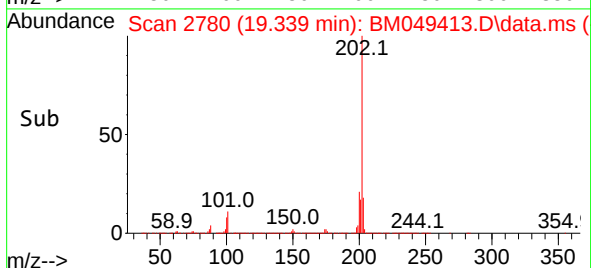
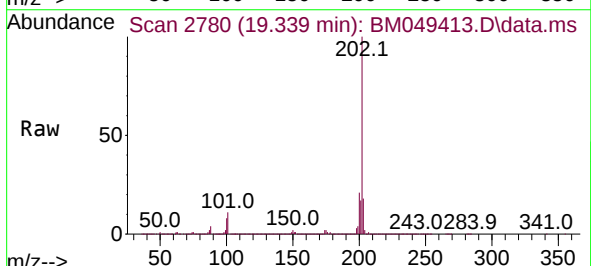
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

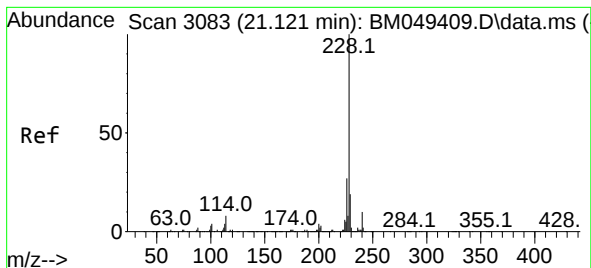
Supervised By :mohammad
ahmed
01/24/2025



#82
Pyrene
Concen: 23.135 ng/u1
RT: 19.339 min Scan# 2780
Delta R.T. -0.012 min
Lab File: BM049413.D
Acq: 23 Jan 2025 10:59

Tgt Ion:202 Resp: 1984022
Ion Ratio Lower Upper
202 100
101 10.5 7.8 11.8
100 8.5 6.6 10.0





#85

Benzo(a)anthracene

Concen: 19.731 ng/ul

RT: 21.121 min Scan# 3083

Delta R.T. -0.012 min

Lab File: BM049413.D

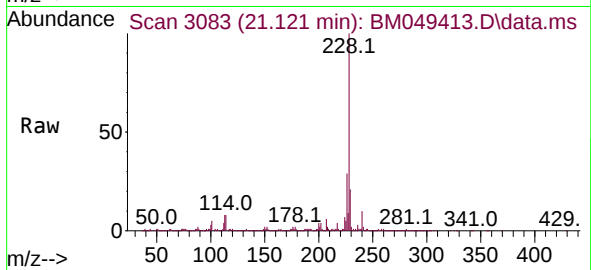
Acq: 23 Jan 2025 10:59

Instrument :

BNA_M

ClientSampleId :

DCZJ6DL



Tgt Ion:228 Resp: 1584060

Ion Ratio Lower Upper

228 100

229 20.9 15.8 23.6

226 29.3 22.1 33.1

Manual Integrations

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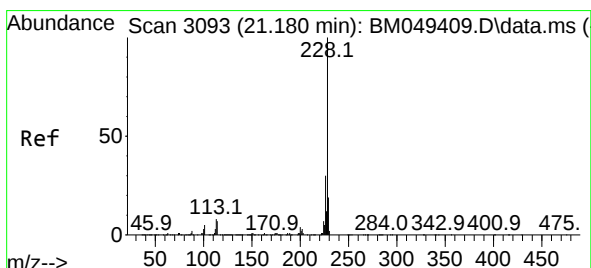
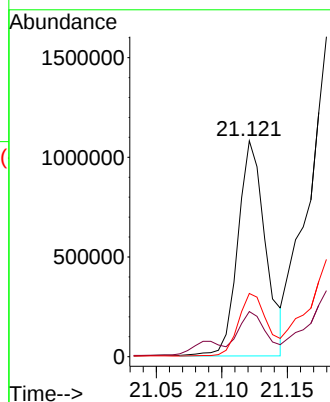
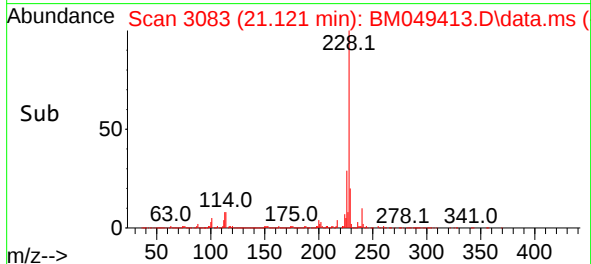
Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025

Supervised By :mohammad

ahmed

01/24/2025



#87

Chrysene

Concen: 37.691 ng/ul

RT: 21.180 min Scan# 3093

Delta R.T. -0.006 min

Lab File: BM049413.D

Acq: 23 Jan 2025 10:59

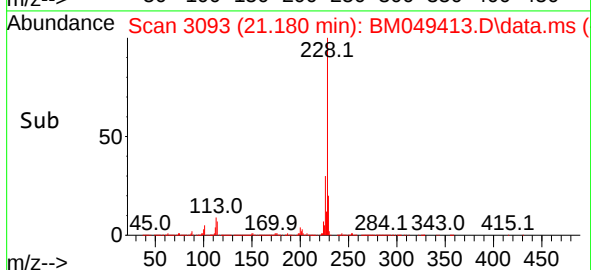
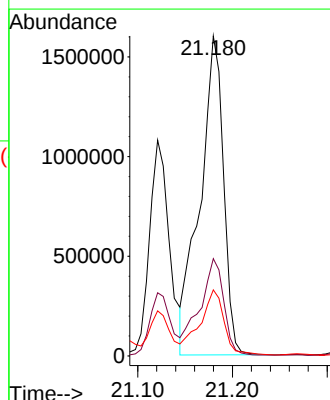
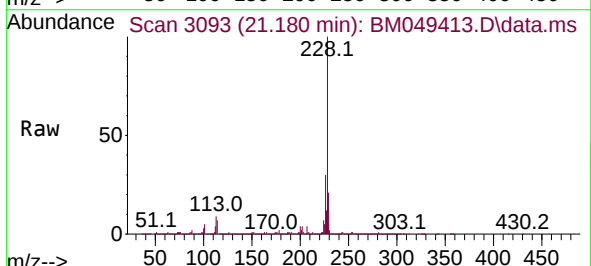
Tgt Ion:228 Resp: 2762488

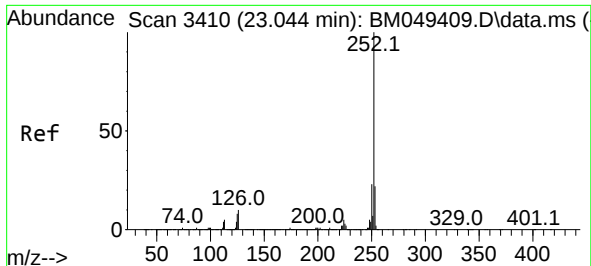
Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

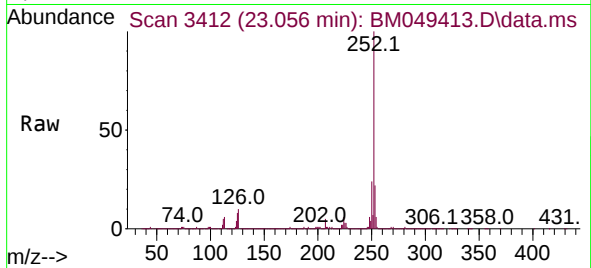
229 20.7 16.0 24.0





#90
Benzo(b)fluoranthene
Concen: 45.942 ng/ul
RT: 23.056 min Scan# 3410
Delta R.T. -0.000 min
Lab File: BM049413.D
Acq: 23 Jan 2025 10:59

Instrument :
BNA_M
ClientSampleId :
DCZJ6DL

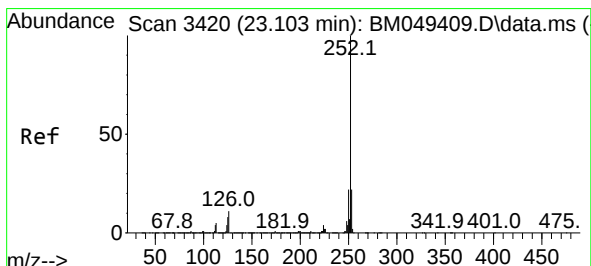
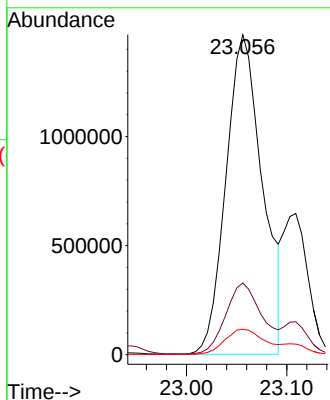
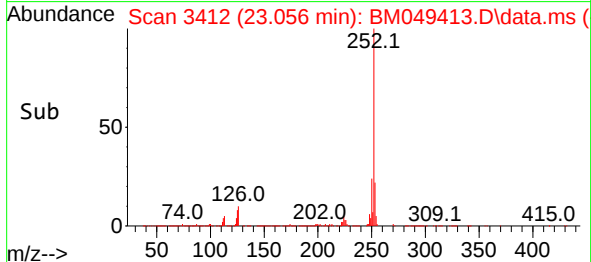


Tgt Ion:252 Resp: 371233
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 7.9 6.6 9.8

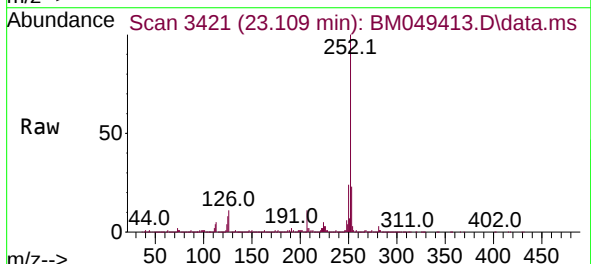
Manual Integrations
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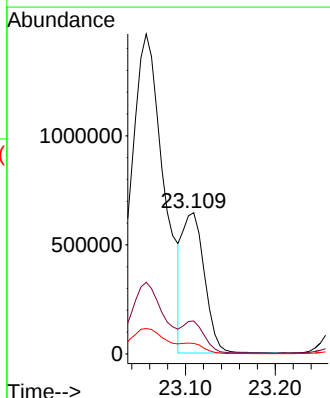
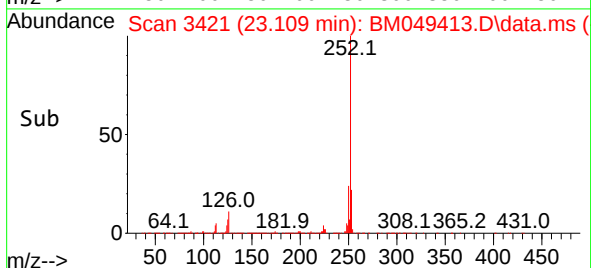
Supervised By :mohammad
ahmed
01/24/2025

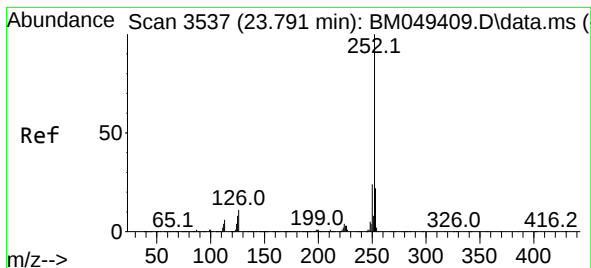


#91
Benzo(k)fluoranthene
Concen: 13.566 ng/ul
RT: 23.109 min Scan# 3421
Delta R.T. -0.006 min
Lab File: BM049413.D
Acq: 23 Jan 2025 10:59



Tgt Ion:252 Resp: 1093030
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 7.5 6.5 9.7





#93

Benzo(a)pyrene

Concen: 5.912 ng/ul

RT: 23.791 min Scan# 3537

Delta R.T. -0.006 min

Lab File: BM049413.D

Acq: 23 Jan 2025 10:59

Instrument :

BNA_M

ClientSampleId :

DCZJ6DL

Tgt Ion:252 Resp: 431514

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.2
125	8.8	6.9	10.3

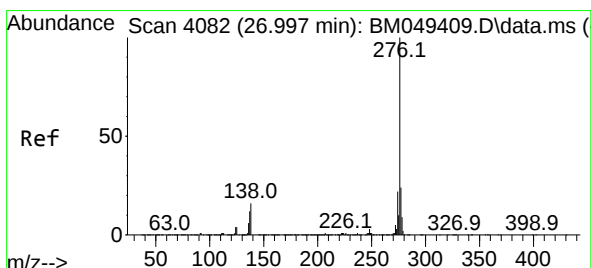
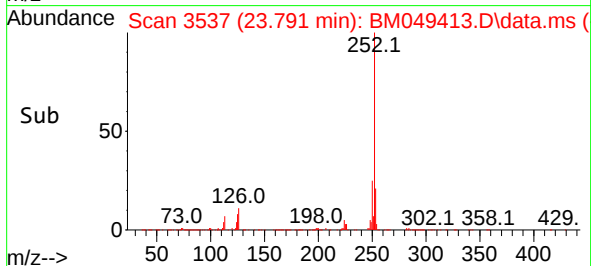
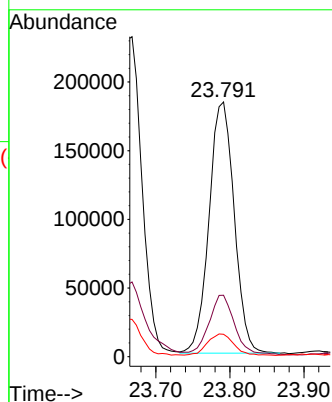
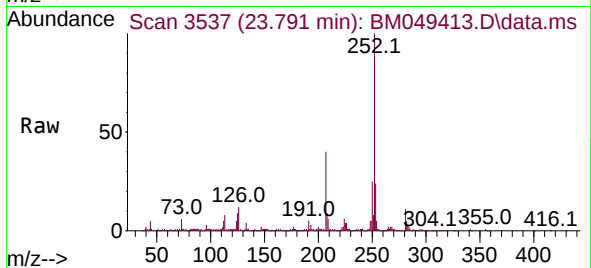
Manual Integrations

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Supervised By :mohammad ahmed 01/24/2025

Supervised By :mohammad
ahmed
01/24/2025



#94

Indeno(1,2,3-cd)pyrene

Concen: 5.464 ng/ul

RT: 26.997 min Scan# 4082

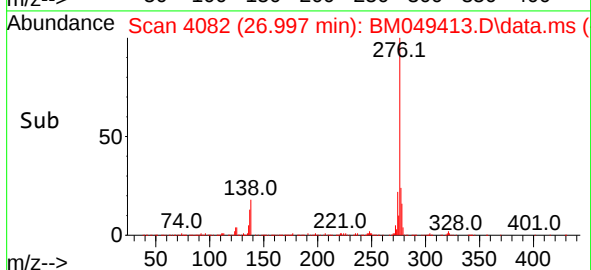
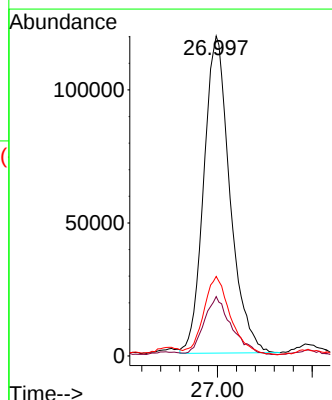
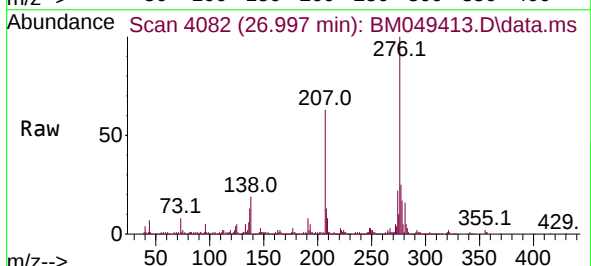
Delta R.T. -0.024 min

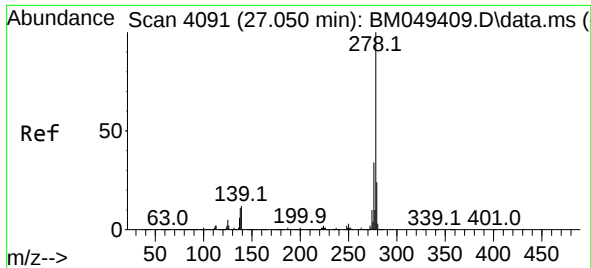
Lab File: BM049413.D

Acq: 23 Jan 2025 10:59

Tgt Ion:276 Resp: 457478

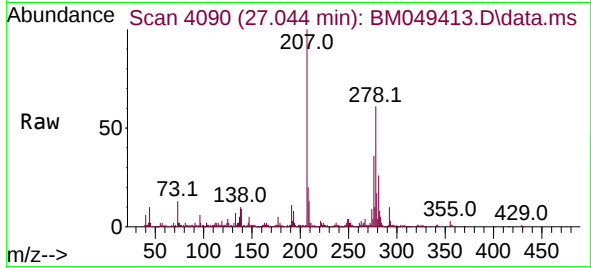
Ion	Ratio	Lower	Upper
276	100		
138	18.5	13.4	20.0
277	24.8	19.1	28.7





#95
 Dibenzo(a,h)anthracene
 Concen: 3.026 ng/ul
 RT: 27.044 min Scan# 4090
 Delta R.T. -0.029 min
 Lab File: BM049413.D
 Acq: 23 Jan 2025 10:59

Instrument :
 BNA_M
 ClientSampleId :
 DCZJ6DL

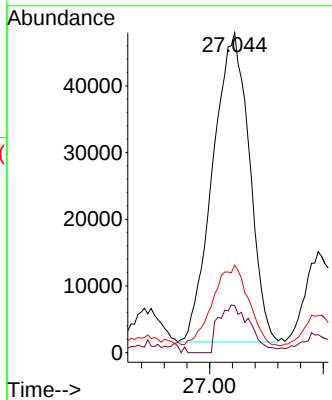
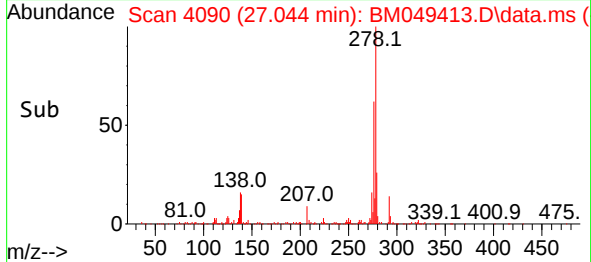


Tgt Ion: 278 Resp: 206340

Ion	Ratio	Lower	Upper
278	100		
139	14.8	9.9	14.9
279	27.3	19.4	29.0

Manual Integrations
 APPROVED

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



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 ahmed
 01/24/2025