

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049414.D
 Acq On : 23 Jan 2025 11:38
 Operator : RC/JU
 Sample : Q1139-13DL 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZJ0DL

Manual Integrations
 APPROVED

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

Quant Time: Jan 23 22:29:45 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	260423	20.000	ng/u1	0.00
20) Naphthalene-d8	10.275	136	940053	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.157	164	573037	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.910	188	1083220	20.000	ng/u1	0.00
79) Chrysene-d12	21.139	240	1021447	20.000	ng/u1	0.00
88) Perylene-d12	23.915	264	1042234	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	7875	1.251	ng/uL	0.00
4) Pyridine-d5	3.516	84	82729	4.129	ng/u1	0.00
7) Phenol-d5	6.710	99	116918	5.348	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	82595	5.674	ng/u1	0.00
11) 2-Chlorophenol-d4	7.057	132	97219	5.813	ng/u1	0.00
15) 4-Methylphenol-d8	8.228	113	83609	4.932	ng/u1	-0.01
21) Nitrobenzene-d5	8.663	128	40704	5.678	ng/u1	0.00
24) 2-Nitrophenol-d4	9.375	143	37845	4.722	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.916	165	82586	5.050	ng/u1	0.00
31) 4-Chloroaniline-d4	10.428	131	84647	3.934	ng/u1	0.00
46) Dimethylphthalate-d6	13.580	166	260082	6.098	ng/u1	0.00
49) Acenaphthylene-d8	13.845	160	281208	5.776	ng/u1	0.00
54) 4-Nitrophenol-d4	14.398	143	14609m	2.068	ng/u1	0.00
60) Fluorene-d10	15.157	176	207742	5.638	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.286	200	11079	1.605	ng/u1	0.00
73) Anthracene-d10	17.004	188	312791	5.841	ng/u1	-0.01
81) Pyrene-d10	19.309	212	347609	5.592	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.727	264	291320	5.207	ng/u1	-0.02
Target Compounds					Qvalue	
61) Fluorene	15.210	166	45284	1.094	ng/u1	97
72) Phenanthrene	16.951	178	173466	2.881	ng/u1	100
74) Anthracene	17.039	178	308431	5.103	ng/u1	99
80) Fluoranthene	18.980	202	3258743	45.620	ng/u1	100
82) Pyrene	19.339	202	2358643	31.020	ng/u1	99
85) Benzo(a)anthracene	21.121	228	646807	9.086	ng/u1	100
87) Chrysene	21.180	228	607646	9.351	ng/u1	100
90) Benzo(b)fluoranthene	23.045	252	336757	4.827	ng/u1	100
91) Benzo(k)fluoranthene	23.097	252	138451m	1.991	ng/u1	
93) Benzo(a)pyrene	23.780	252	187168	2.970	ng/u1	99

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

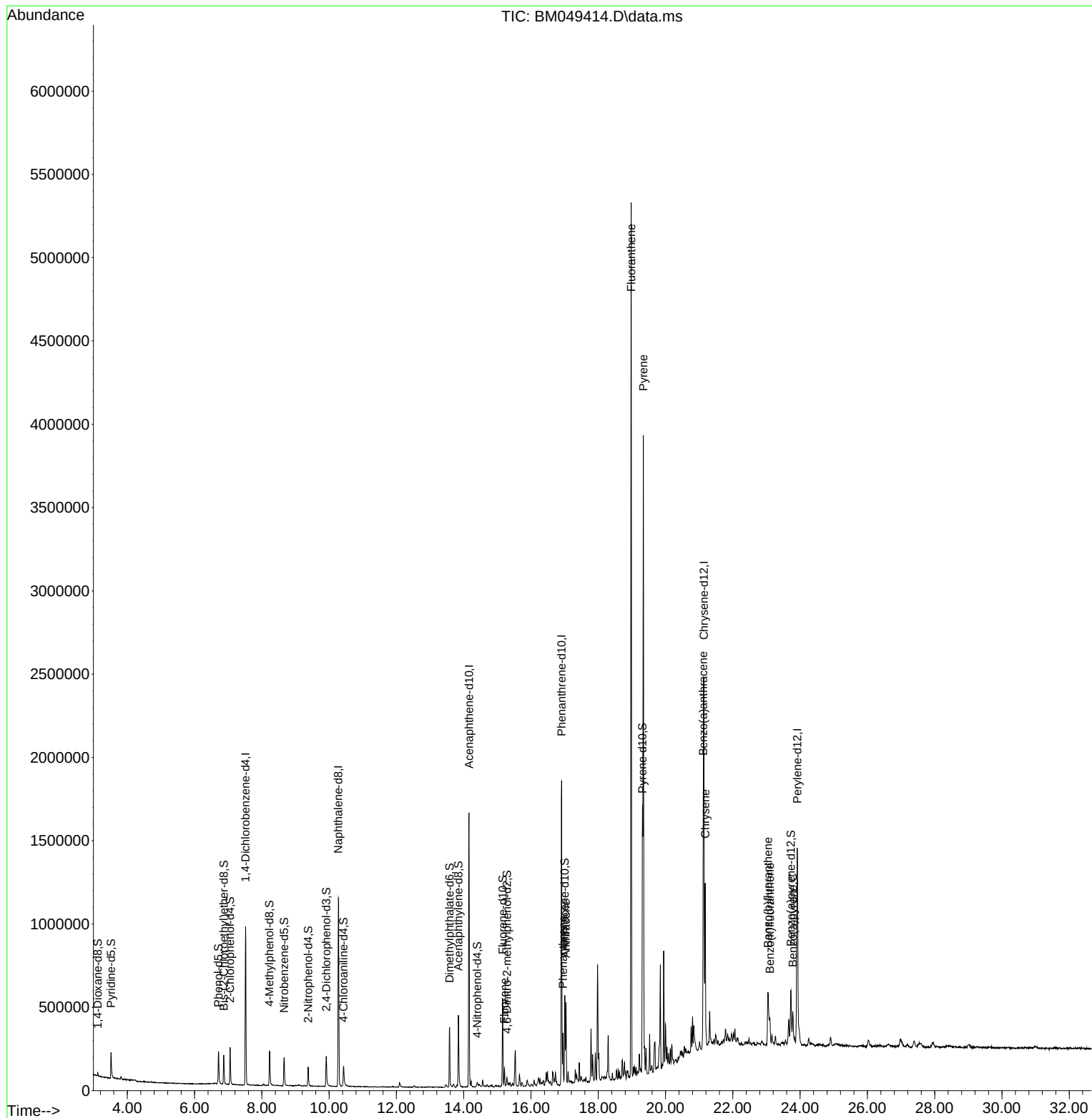
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049414.D
Acq On : 23 Jan 2025 11:38
Operator : RC/JU
Sample : Q1139-13DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

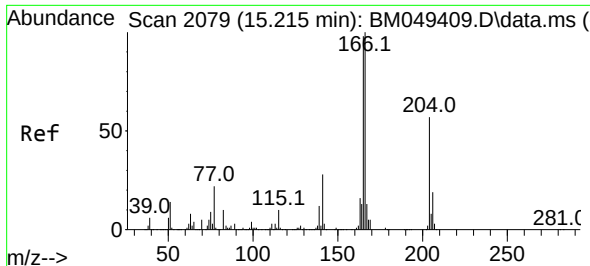
Instrument :
BNA_M
ClientSampleId :
DCZJ0DL

Quant Time: Jan 23 22:29:45 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

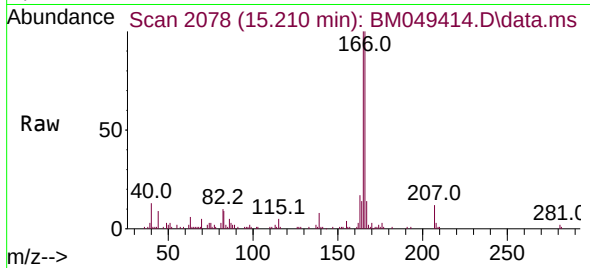
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025





#61
Fluorene
Concen: 1.094 ng/ul
RT: 15.210 min Scan# 2078
Delta R.T. -0.012 min
Lab File: BM049414.D
Acq: 23 Jan 2025 11:38

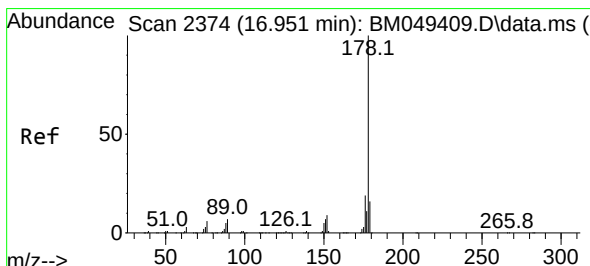
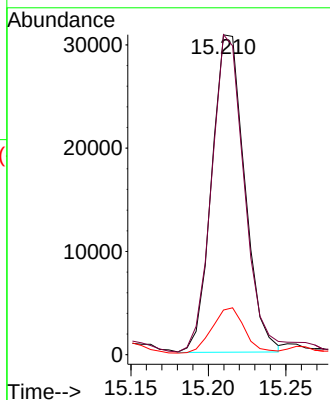
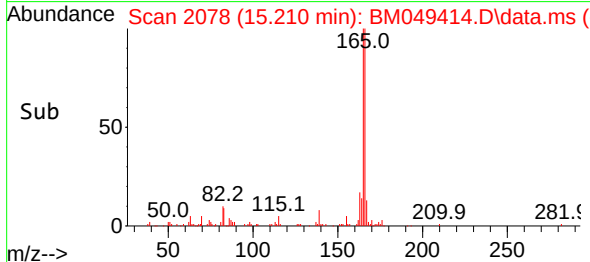
Instrument :
BNA_M
ClientSampleId :
DCZJ0DL



Tgt Ion:166 Resp: 45284
Ion Ratio Lower Upper
166 100
165 100.0 77.7 116.5
167 13.9 10.7 16.1

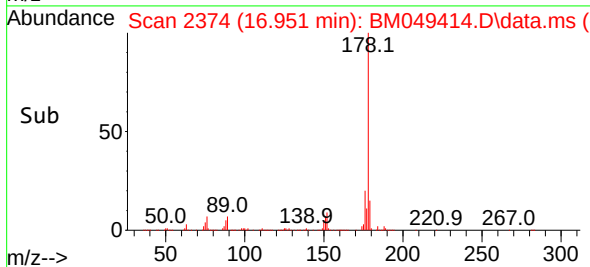
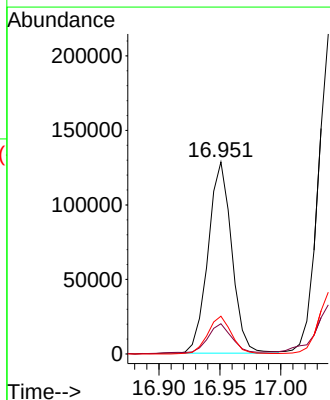
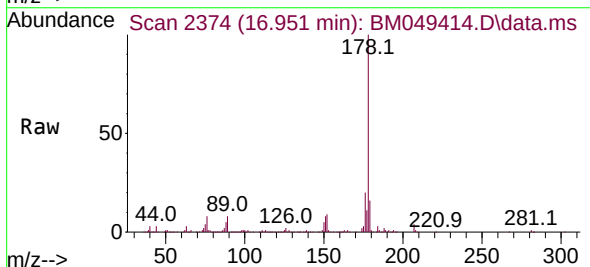
Manual Integrations
APPROVED

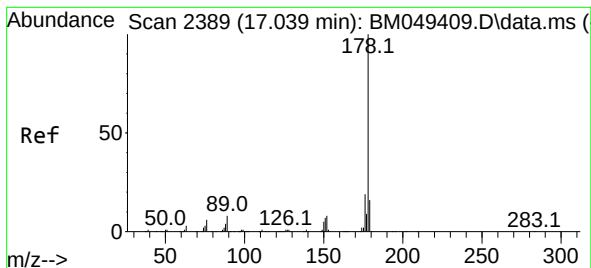
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#72
Phenanthrene
Concen: 2.881 ng/ul
RT: 16.951 min Scan# 2374
Delta R.T. -0.006 min
Lab File: BM049414.D
Acq: 23 Jan 2025 11:38

Tgt Ion:178 Resp: 173466
Ion Ratio Lower Upper
178 100
179 15.7 12.6 19.0
176 19.7 15.4 23.2





#74

Anthracene

Concen: 5.103 ng/u1

RT: 17.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM049414.D

Acq: 23 Jan 2025 11:38

Instrument :

BNA_M

ClientSampleId :

DCZJ0DL

Tgt Ion:178 Resp: 30843

Ion Ratio Lower Upper

178 100

179 15.3 12.5 18.7

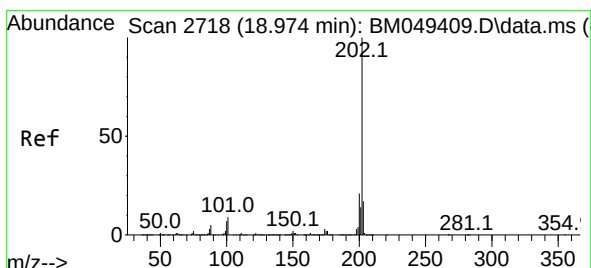
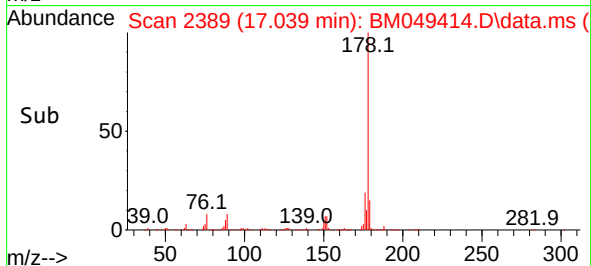
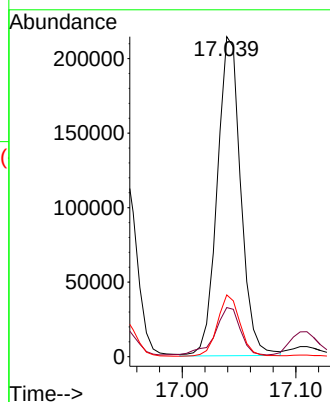
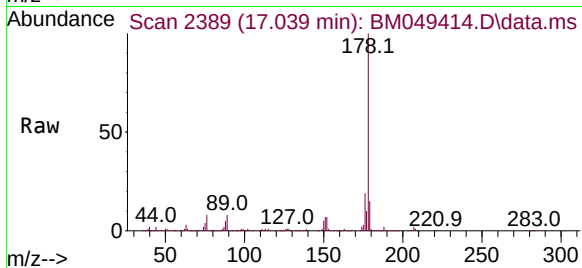
176 19.3 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025



#80

Fluoranthene

Concen: 45.620 ng/u1

RT: 18.980 min Scan# 2719

Delta R.T. -0.006 min

Lab File: BM049414.D

Acq: 23 Jan 2025 11:38

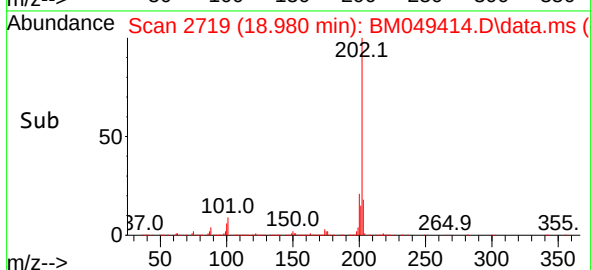
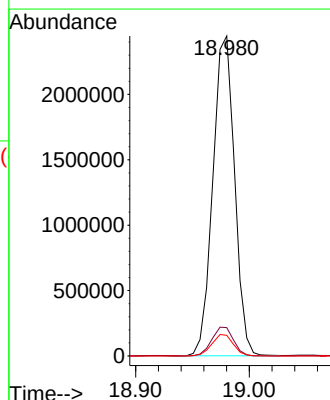
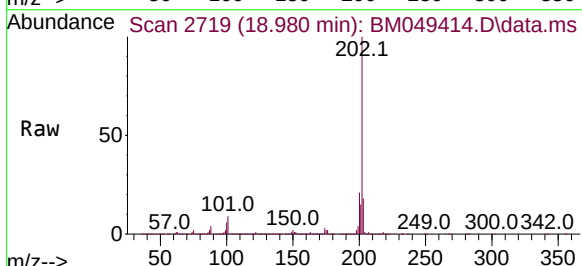
Tgt Ion:202 Resp: 3258743

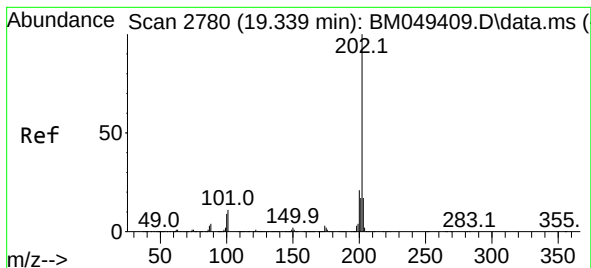
Ion Ratio Lower Upper

202 100

101 8.8 7.0 10.4

100 6.5 5.0 7.6





#82

Pyrene

Concen: 31.020 ng/ul

RT: 19.339 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM049414.D

Acq: 23 Jan 2025 11:38

Instrument :

BNA_M

ClientSampleId :

DCZJ0DL

Tgt Ion:202 Resp: 235864

Ion Ratio Lower Upper

202 100

101 10.7 7.8 11.8

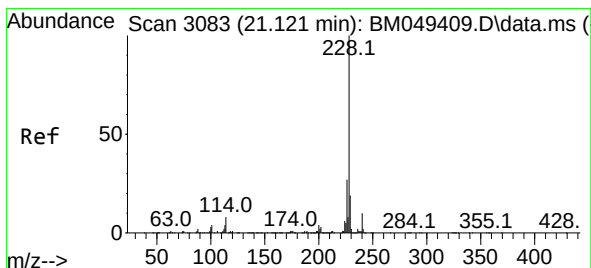
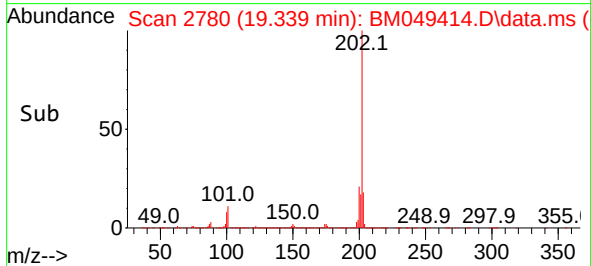
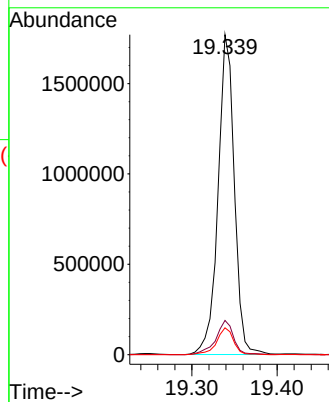
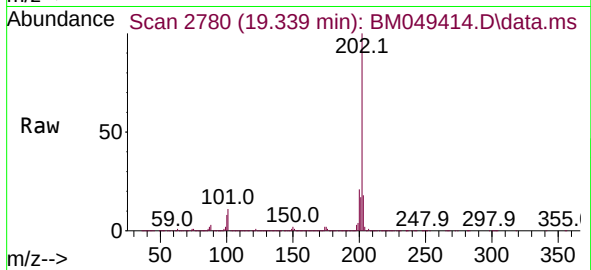
100 8.4 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025



#85

Benzo(a)anthracene

Concen: 9.086 ng/ul

RT: 21.121 min Scan# 3083

Delta R.T. -0.012 min

Lab File: BM049414.D

Acq: 23 Jan 2025 11:38

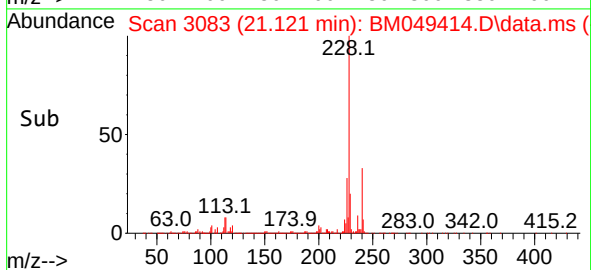
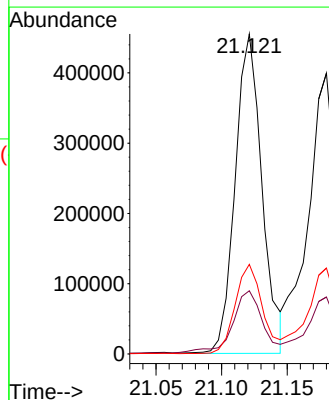
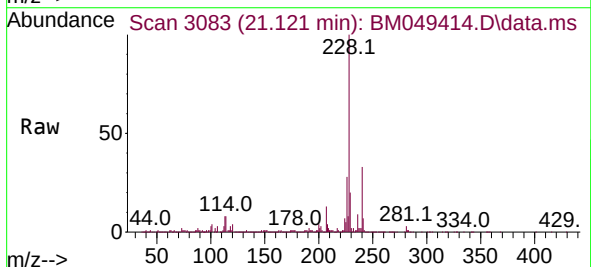
Tgt Ion:228 Resp: 646807

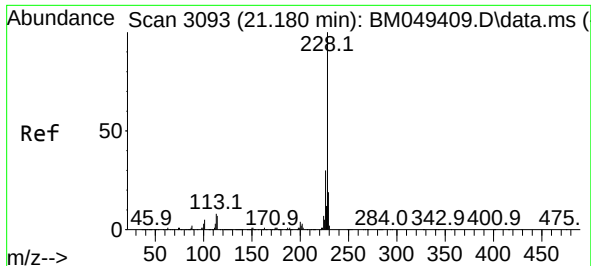
Ion Ratio Lower Upper

228 100

229 19.7 15.8 23.6

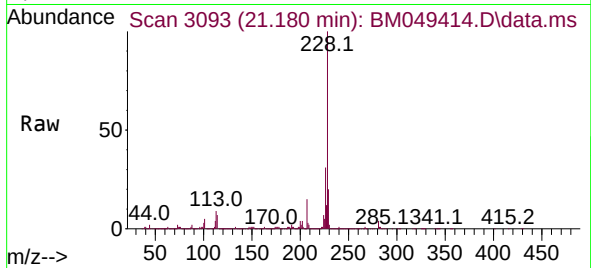
226 28.0 22.1 33.1





#87
Chrysene
Concen: 9.351 ng/ul
RT: 21.180 min Scan# 3093
Delta R.T. -0.006 min
Lab File: BM049414.D
Acq: 23 Jan 2025 11:38

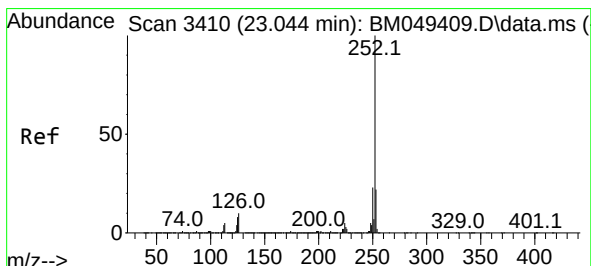
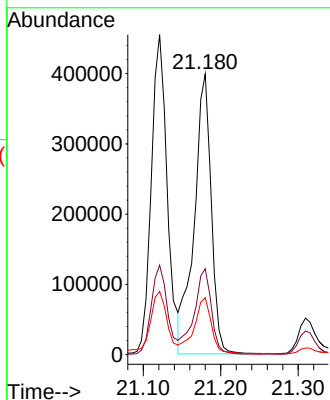
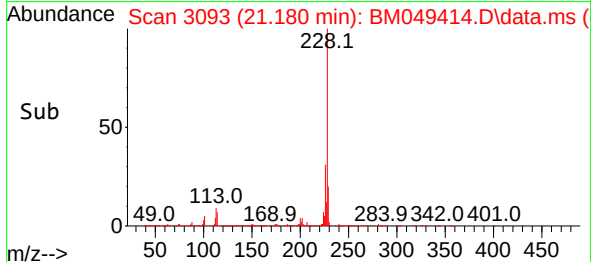
Instrument :
BNA_M
ClientSampleId :
DCZJ0DL



Tgt Ion:228 Resp: 607640
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 20.3 16.0 24.0

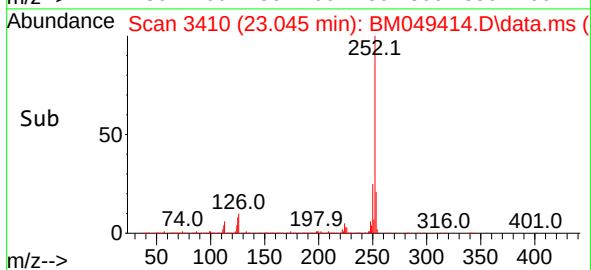
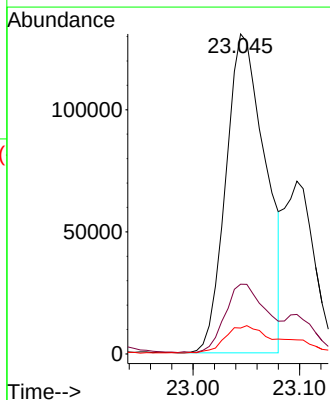
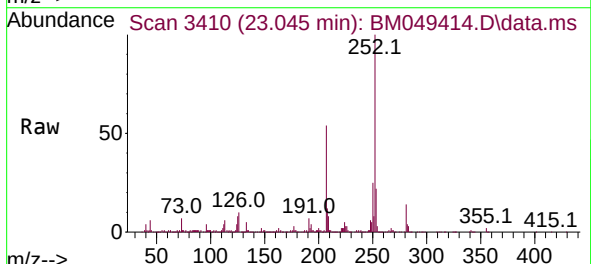
Manual Integrations
APPROVED

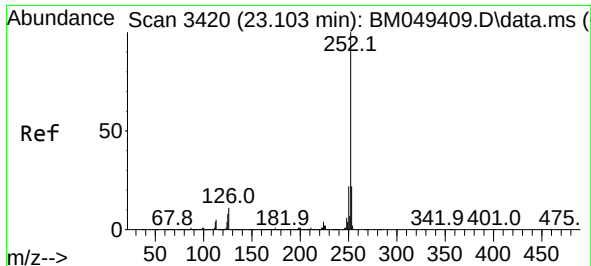
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#90
Benzo(b)fluoranthene
Concen: 4.827 ng/ul
RT: 23.045 min Scan# 3410
Delta R.T. -0.012 min
Lab File: BM049414.D
Acq: 23 Jan 2025 11:38

Tgt Ion:252 Resp: 336757
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 8.1 6.6 9.8





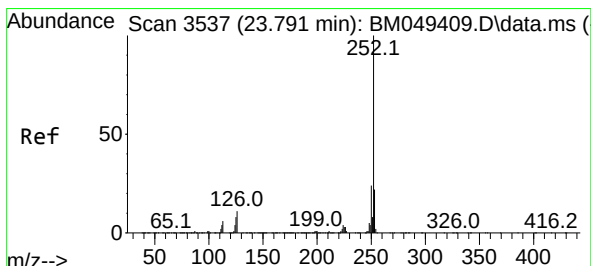
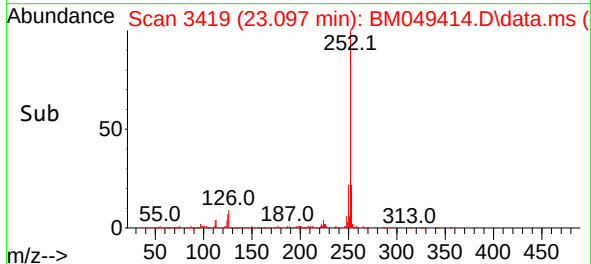
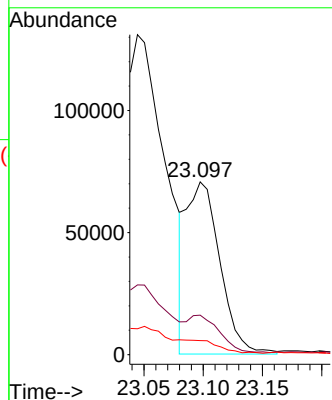
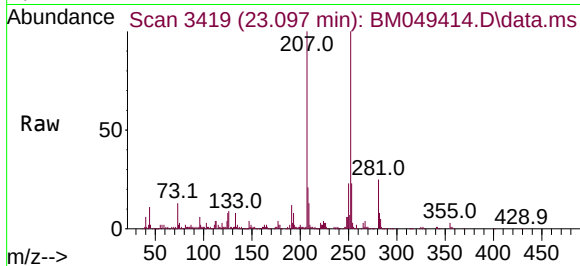
#91
Benzo(k)fluoranthene
Concen: 1.991 ng/ul m
RT: 23.097 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM049414.D
Acq: 23 Jan 2025 11:38

Instrument :
BNA_M
ClientSampleId :
DCZJ0DL

Tgt Ion:252 Resp: 13845
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 8.2 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: 2.970 ng/ul
RT: 23.780 min Scan# 3535
Delta R.T. -0.017 min
Lab File: BM049414.D
Acq: 23 Jan 2025 11:38

Tgt Ion:252 Resp: 187168
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 9.3 6.9 10.3

