

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
 Data File : BM049455.D
 Acq On : 27 Jan 2025 19:21
 Operator : RC/JU
 Sample : Q1139-08ME
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH5ME

Quant Time: Jan 28 00:23:35 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 :Jagrut Upadhyay 01/28/2025
 Supervised By :mohammad ahmed 01/31/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.510	152	136658	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.275	136	489832	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.151	164	306326	20.000	ng/u1	-0.01
64) Phenanthrene-d10	16.904	188	634925	20.000	ng/u1	-0.01
79) Chrysene-d12	21.133	240	667428	20.000	ng/u1	-0.01
88) Perylene-d12	23.915	264	675164	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.116	96	17257	5.225	ng/uL	0.00
4) Pyridine-d5	3.510	84	219956	20.919	ng/u1	0.00
7) Phenol-d5	6.710	99	262561	22.888	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.863	67	190939	24.996	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.051	132	212335	24.196	ng/u1	-0.01
15) 4-Methylphenol-d8	8.228	113	192002	21.583	ng/u1	-0.01
21) Nitrobenzene-d5	8.657	128	95088	25.457	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.375	143	99023	23.714	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.910	165	193075	22.659	ng/u1	0.00
31) 4-Chloroaniline-d4	10.422	131	235067	20.965	ng/u1	0.00
46) Dimethylphthalate-d6	13.574	166	598056	26.231	ng/u1	-0.01
49) Acenaphthylene-d8	13.839	160	710430	27.295	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.386	143	54952m	14.555	ng/u1	0.00
60) Fluorene-d10	15.151	176	549797	27.914	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.280	200	57228	14.143	ng/u1	-0.01
73) Anthracene-d10	17.004	188	853806	27.203	ng/u1	-0.01
81) Pyrene-d10	19.309	212	1093632	26.924	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.721	264	1006992	27.784	ng/u1	-0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.322	128	151349	5.822	ng/u1	99
36) 2-Methylnaphthalene	11.945	142	86619	4.656	ng/u1	97
37) 1-Methylnaphthalene	12.169	142	41205	2.226	ng/u1#	96
52) Acenaphthene	14.216	153	444882	23.335	ng/u1	99
61) Fluorene	15.210	166	401869	18.168	ng/u1	99
72) Phenanthrene	16.951	178	1631945	46.233	ng/u1	99
74) Anthracene	17.039	178	1884050	53.177	ng/u1	100
80) Fluoranthene	18.974	202	2686597	57.560	ng/u1	98
82) Pyrene	19.339	202	1917696	38.598	ng/u1	99
85) Benzo(a)anthracene	21.115	228	352876	7.587	ng/u1	99
87) Chrysene	21.174	228	377622	8.893	ng/u1	99
90) Benzo(b)fluoranthene	23.044	252	281882	6.238	ng/u1	98
91) Benzo(k)fluoranthene	23.097	252	78768	1.748	ng/u1	98
93) Benzo(a)pyrene	23.780	252	112986	2.768	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	26.991	276	51740	1.105	ng/u1	98
96) Benzo(g,h,i)perylene	27.944	276	43142m	1.234	ng/u1	

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

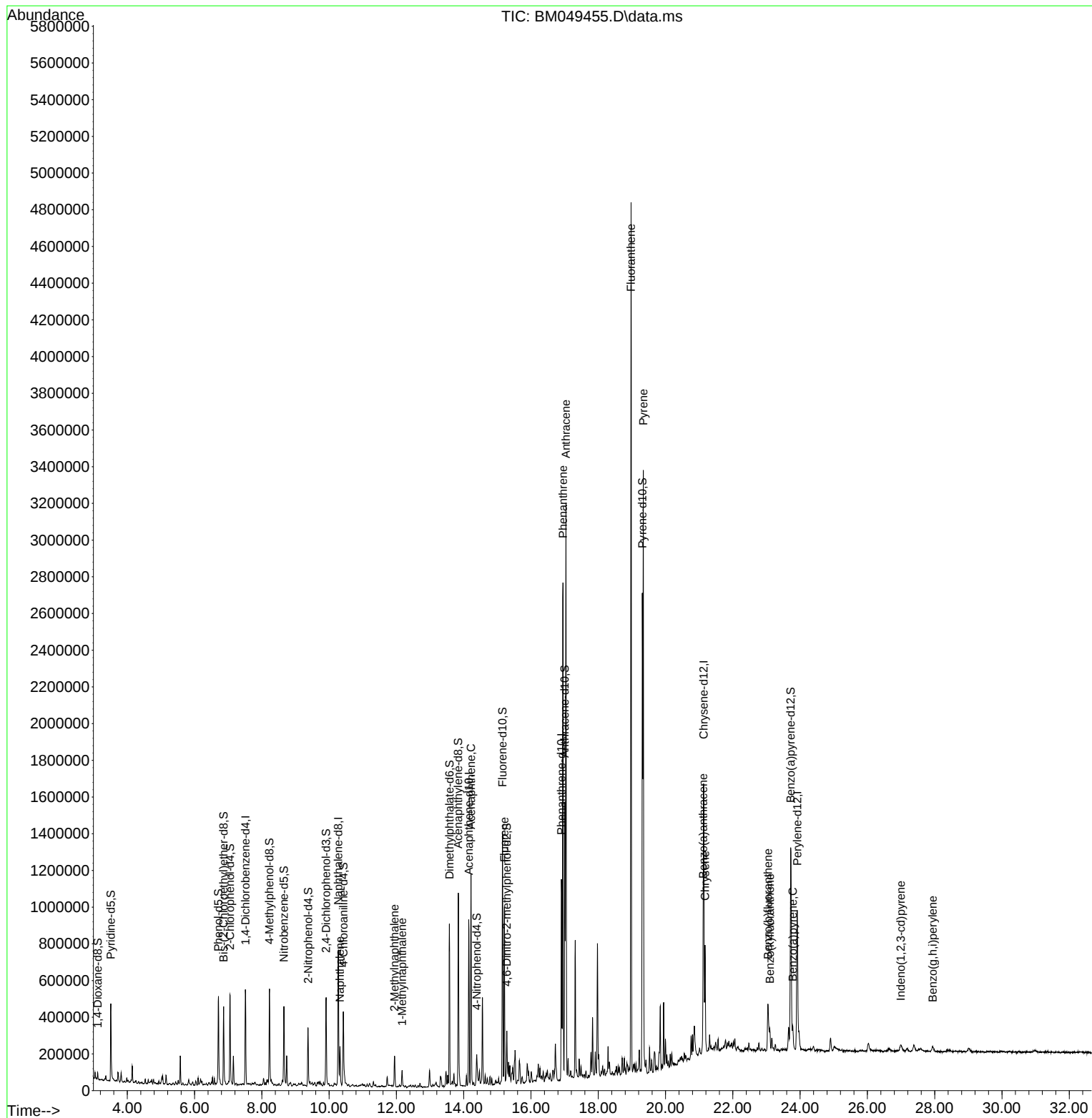
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049455.D
Acq On : 27 Jan 2025 19:21
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Misc :
ALS Vial : 13 Sample Multiplier: 1

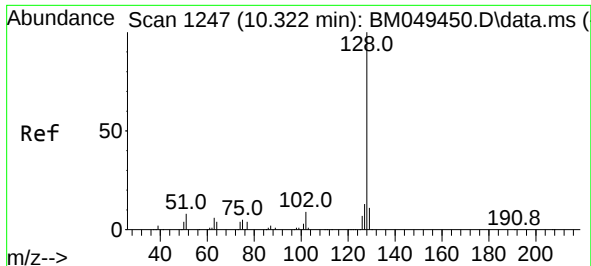
Instrument :
BNA_M
ClientSampleId :
DCZH5ME

Quant Time: Jan 28 00:23:35 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
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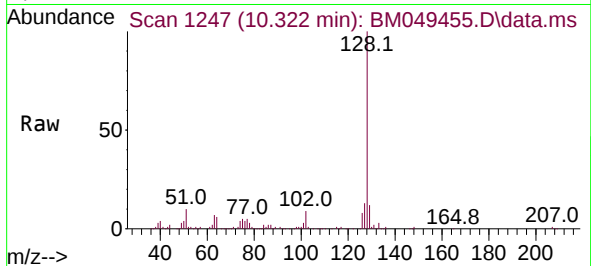
Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025





#30
Naphthalene
Concen: 5.822 ng/ul
RT: 10.322 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049455.D
Acq: 27 Jan 2025 19:21

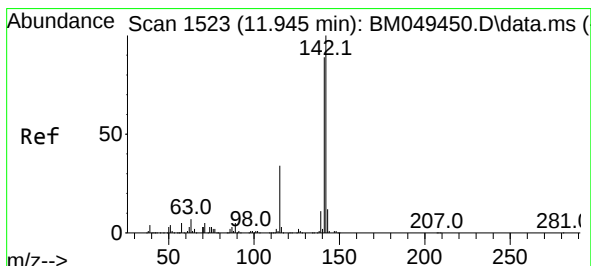
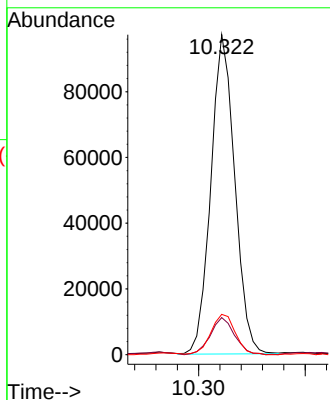
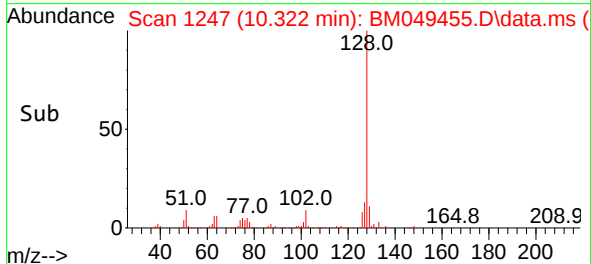
Instrument :
BNA_M
ClientSampleId :
DCZH5ME



Tgt Ion:128 Resp: 151349
Ion Ratio Lower Upper
128 100
129 11.6 8.5 12.7
127 12.6 10.2 15.2

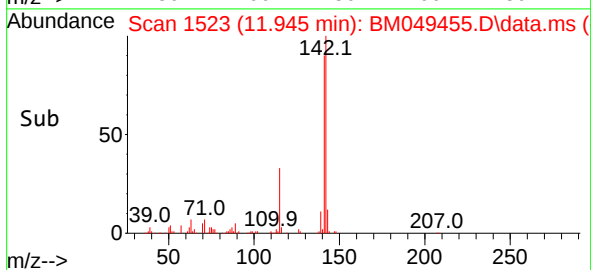
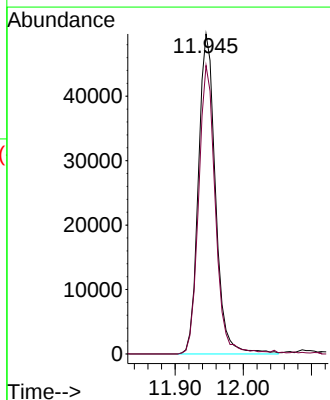
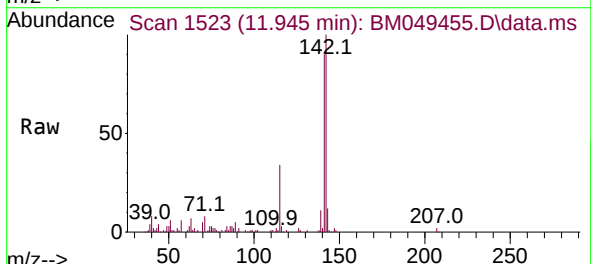
Manual Integrations
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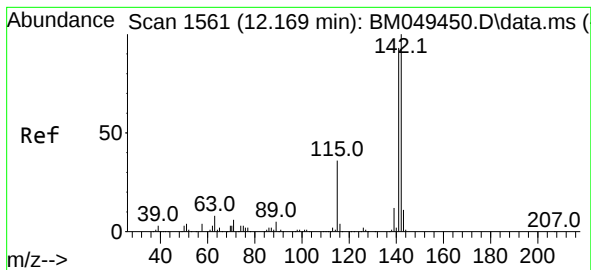
Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025



#36
2-Methylnaphthalene
Concen: 4.656 ng/ul
RT: 11.945 min Scan# 1523
Delta R.T. -0.012 min
Lab File: BM049455.D
Acq: 27 Jan 2025 19:21

Tgt Ion:142 Resp: 86619
Ion Ratio Lower Upper
142 100
141 90.2 69.6 104.4





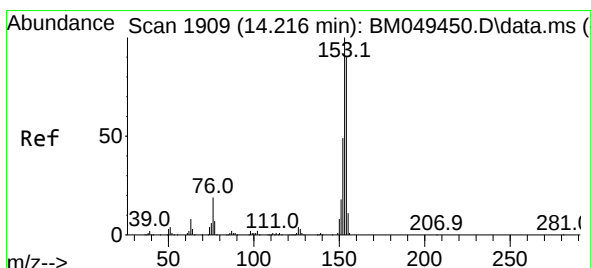
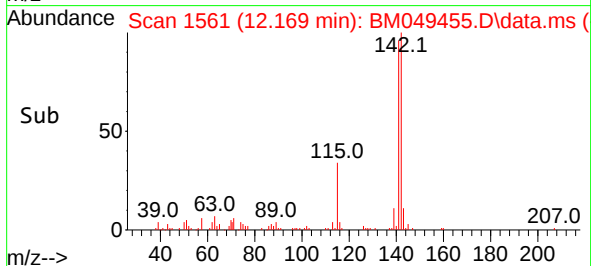
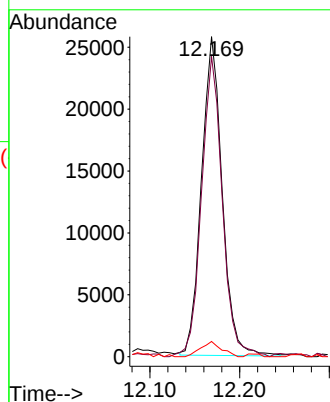
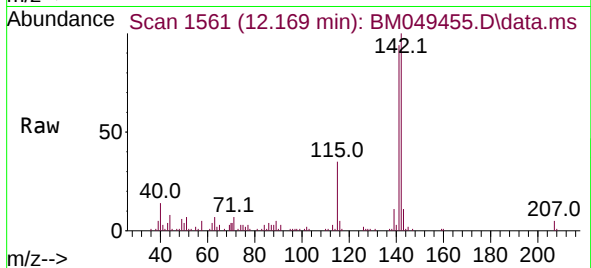
#37
1-Methylnaphthalene
Concen: 2.226 ng/ul
RT: 12.169 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BM049455.D
Acq: 27 Jan 2025 19:21

Instrument :
BNA_M
ClientSampleId :
DCZH5ME

Tgt Ion:142 Resp: 41209
Ion Ratio Lower Upper
142 100
141 93.8 71.9 107.9
116 4.8 2.8 4.2

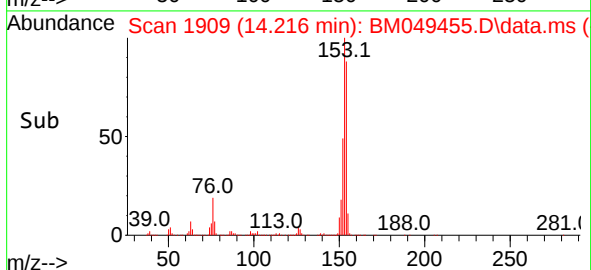
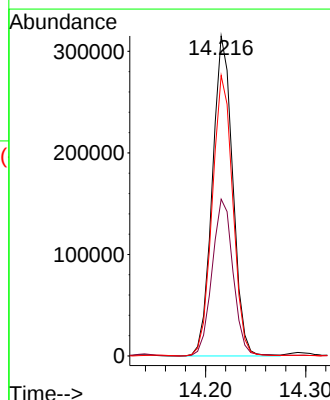
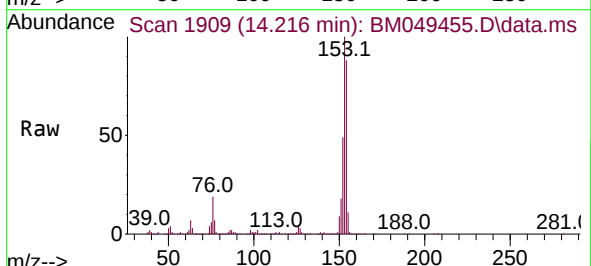
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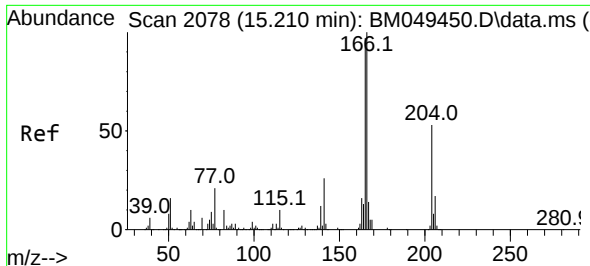
Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025



#52
Acenaphthene
Concen: 23.335 ng/ul
RT: 14.216 min Scan# 1909
Delta R.T. -0.012 min
Lab File: BM049455.D
Acq: 27 Jan 2025 19:21

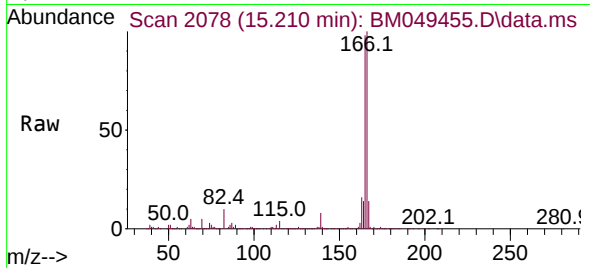
Tgt Ion:153 Resp: 444882
Ion Ratio Lower Upper
153 100
152 49.0 39.0 58.6
154 87.7 71.6 107.4





#61
Fluorene
Concen: 18.168 ng/ul
RT: 15.210 min Scan# 2078
Delta R.T. -0.012 min
Lab File: BM049455.D
Acq: 27 Jan 2025 19:21

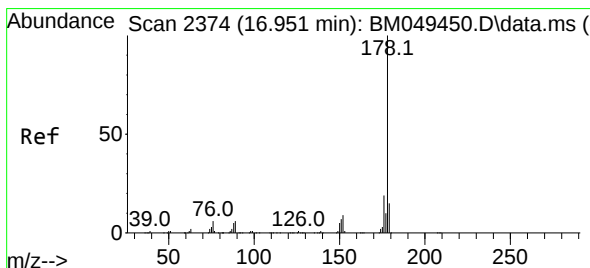
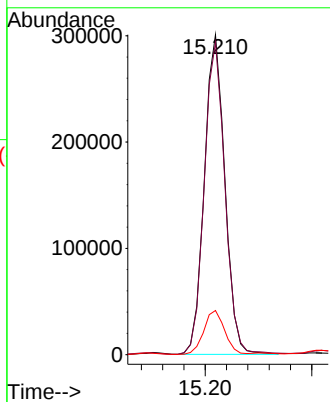
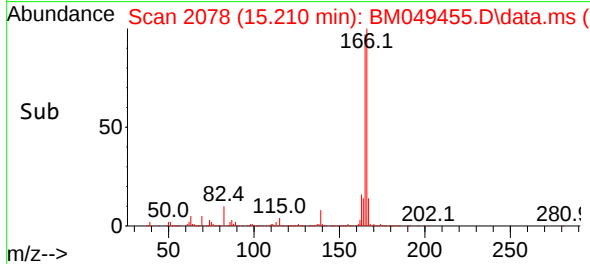
Instrument :
BNA_M
ClientSampleId :
DCZH5ME



Tgt Ion:166 Resp: 401869
Ion Ratio Lower Upper
166 100
165 97.7 77.7 116.5
167 13.8 10.7 16.1

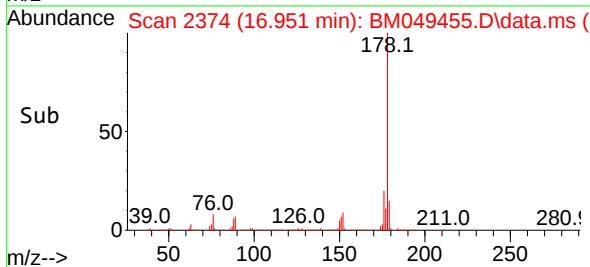
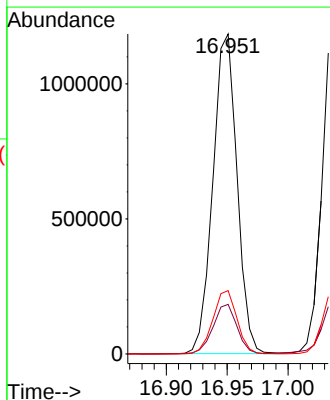
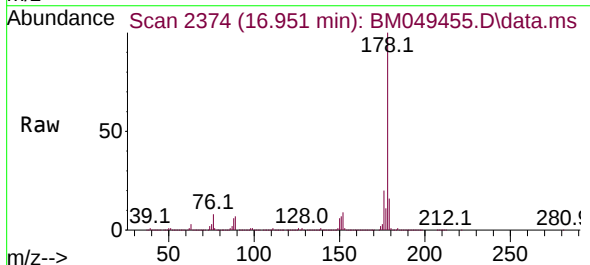
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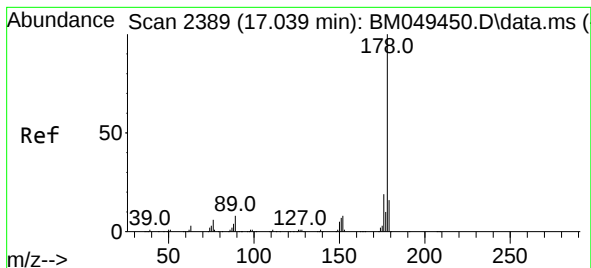
Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025



#72
Phenanthrene
Concen: 46.233 ng/ul
RT: 16.951 min Scan# 2374
Delta R.T. -0.006 min
Lab File: BM049455.D
Acq: 27 Jan 2025 19:21

Tgt Ion:178 Resp: 1631945
Ion Ratio Lower Upper
178 100
179 15.5 12.6 19.0
176 19.8 15.4 23.2





#74

Anthracene

Concen: 53.177 ng/ul

RT: 17.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM049455.D

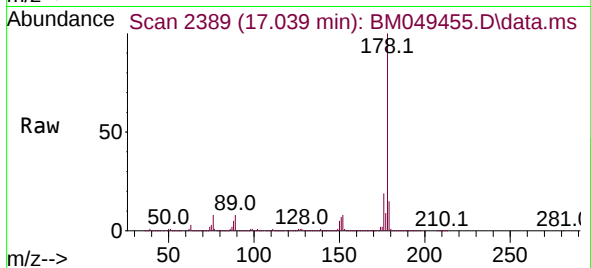
Acq: 27 Jan 2025 19:21

Instrument :

BNA_M

ClientSampleId :

DCZH5ME



Tgt Ion:178 Resp: 1884050

Ion Ratio Lower Upper

178 100

179 15.3 12.5 18.7

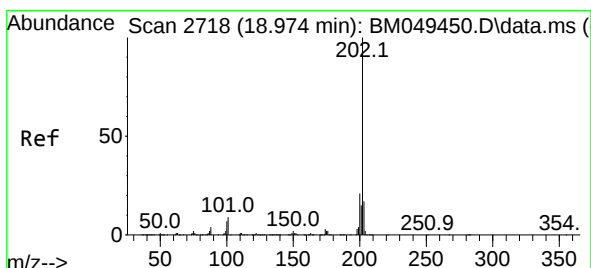
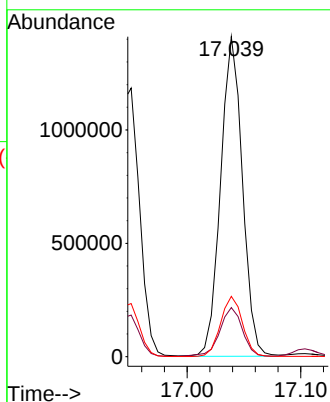
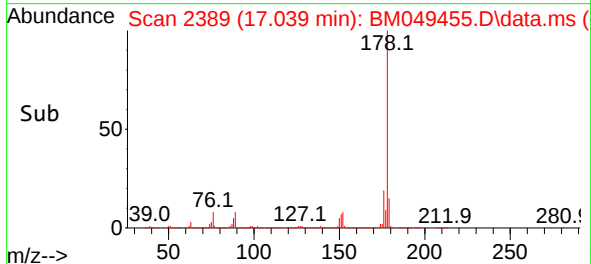
176 18.8 15.1 22.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/28/2025

Supervised By :mohammad ahmed 01/31/2025



#80

Fluoranthene

Concen: 57.560 ng/ul

RT: 18.974 min Scan# 2718

Delta R.T. -0.012 min

Lab File: BM049455.D

Acq: 27 Jan 2025 19:21

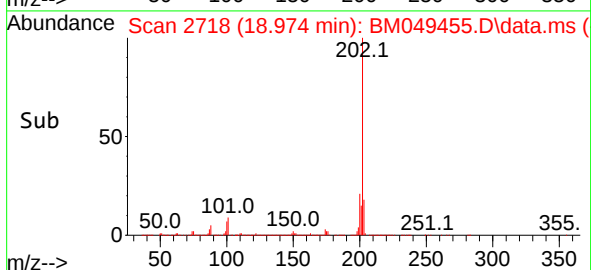
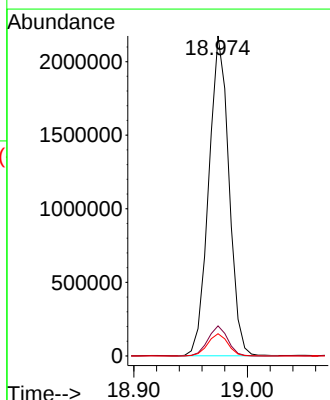
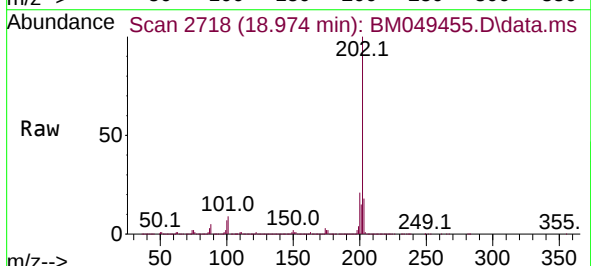
Tgt Ion:202 Resp: 2686597

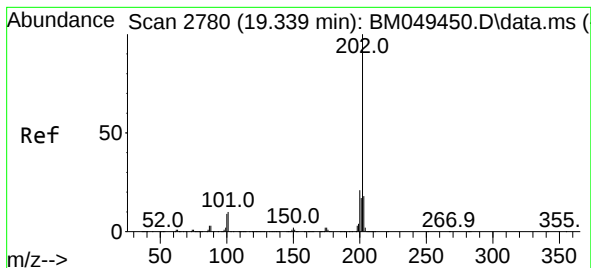
Ion Ratio Lower Upper

202 100

101 9.4 7.0 10.4

100 7.0 5.0 7.6





#82

Pyrene

Concen: 38.598 ng/ul

RT: 19.339 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM049455.D

Acq: 27 Jan 2025 19:21

Instrument :

BNA_M

ClientSampleId :

DCZH5ME

Tgt Ion:202 Resp: 1917690

Ion Ratio Lower Upper

202 100

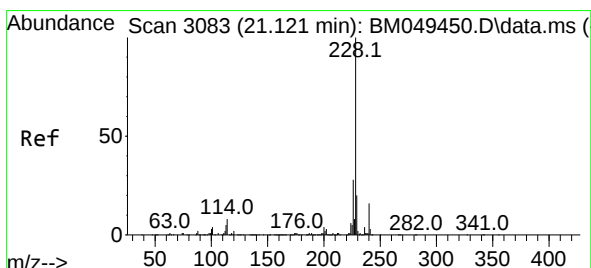
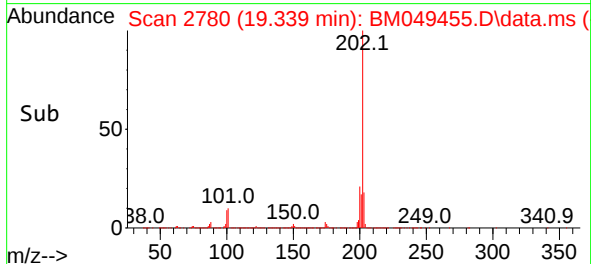
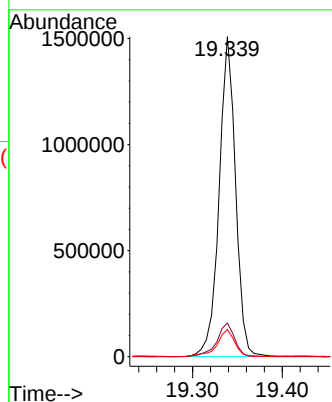
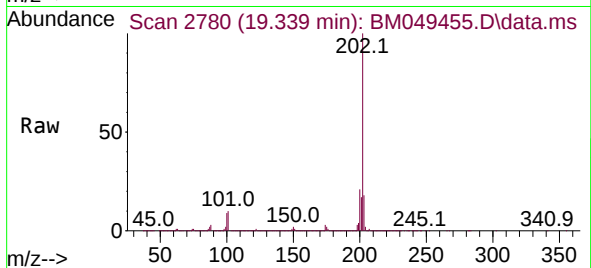
101 10.5 7.8 11.8

100 8.5 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025



#85

Benzo(a)anthracene

Concen: 7.587 ng/ul

RT: 21.115 min Scan# 3082

Delta R.T. -0.018 min

Lab File: BM049455.D

Acq: 27 Jan 2025 19:21

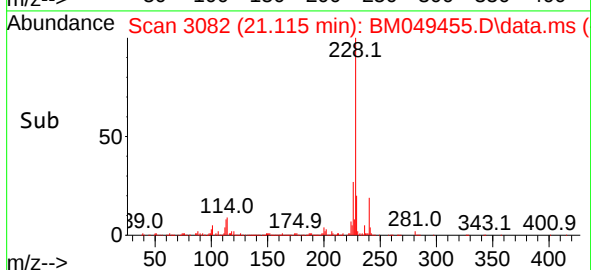
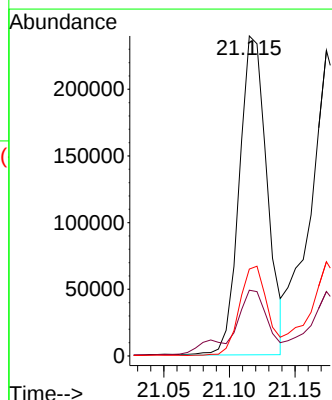
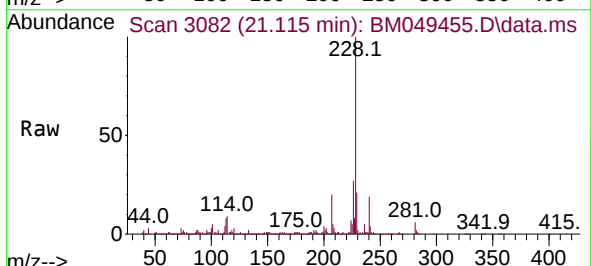
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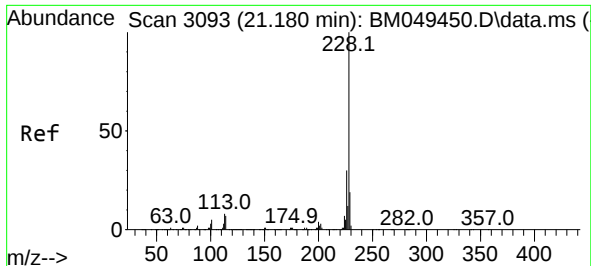
Ion Ratio Lower Upper

228 100

229 20.5 15.8 23.6

226 27.2 22.1 33.1





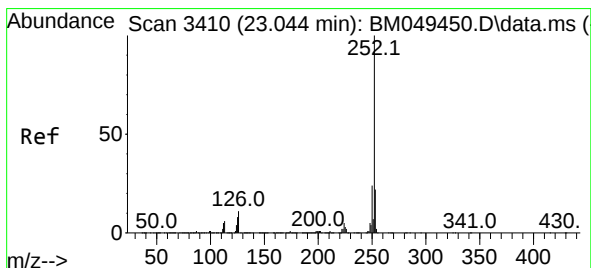
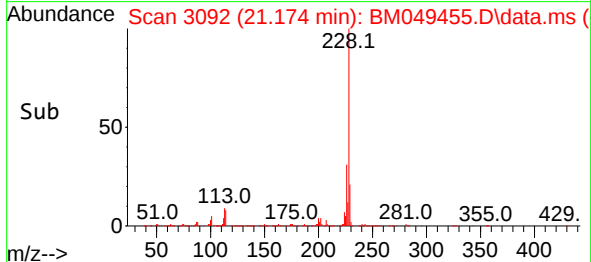
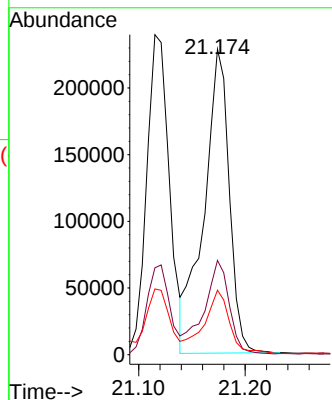
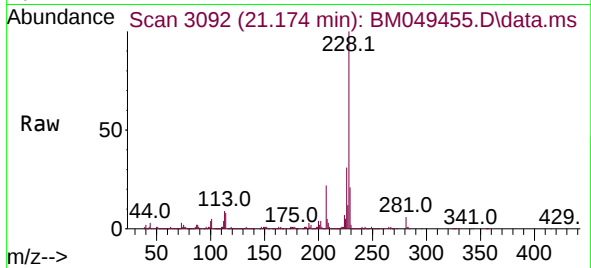
#87
Chrysene
Concen: 8.893 ng/u1
RT: 21.174 min Scan# 3092
Delta R.T. -0.012 min
Lab File: BM049455.D
Acq: 27 Jan 2025 19:21

Instrument :
BNA_M
ClientSampleId :
DCZH5ME

Tgt Ion:228 Resp: 37762
Ion Ratio Lower Upper
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226 30.8 24.3 36.5
229 21.1 16.0 24.0

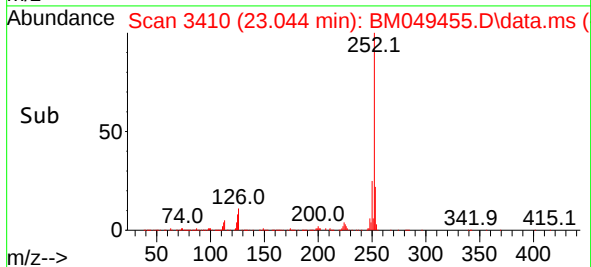
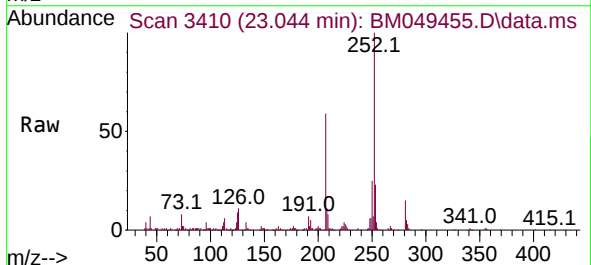
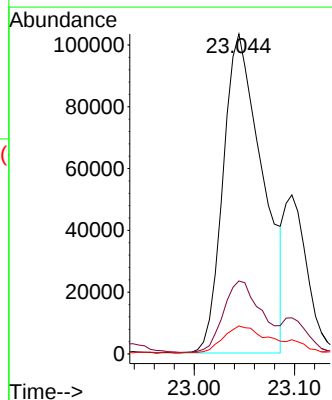
Manual Integrations
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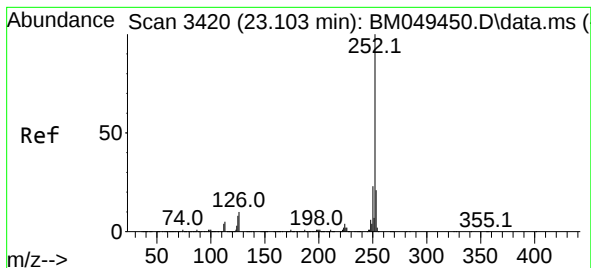
Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025



#90
Benzo(b)fluoranthene
Concen: 6.238 ng/u1
RT: 23.044 min Scan# 3410
Delta R.T. -0.012 min
Lab File: BM049455.D
Acq: 27 Jan 2025 19:21

Tgt Ion:252 Resp: 281882
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 8.7 6.6 9.8





#91

Benzo(k)fluoranthene

Concen: 1.748 ng/ul

RT: 23.097 min Scan# 34

Delta R.T. -0.018 min

Lab File: BM049455.D

Acq: 27 Jan 2025 19:21

Instrument :

BNA_M

ClientSampleId :

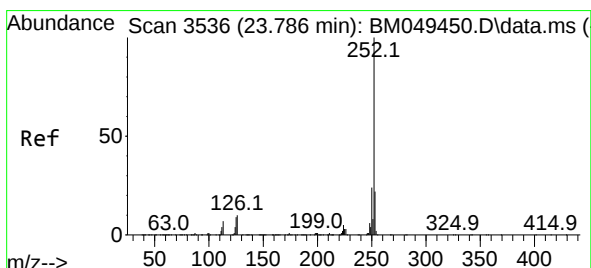
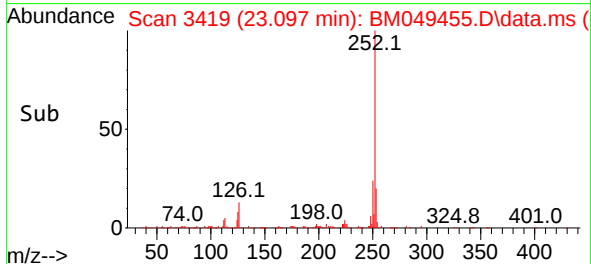
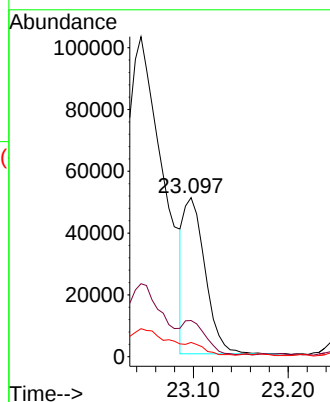
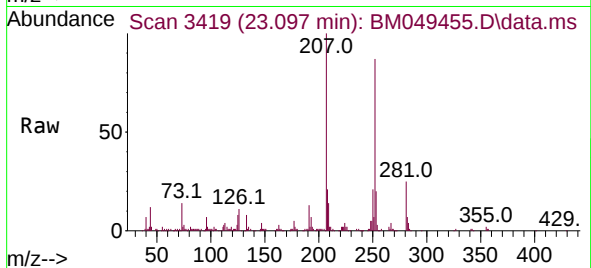
DCZH5ME

Tgt Ion:252 Resp: 78768
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 9.0 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025



#93

Benzo(a)pyrene

Concen: 2.768 ng/ul

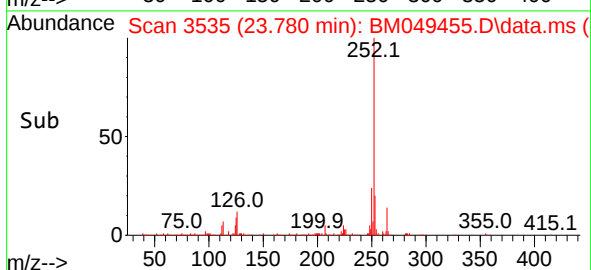
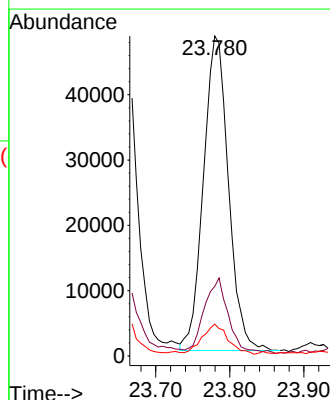
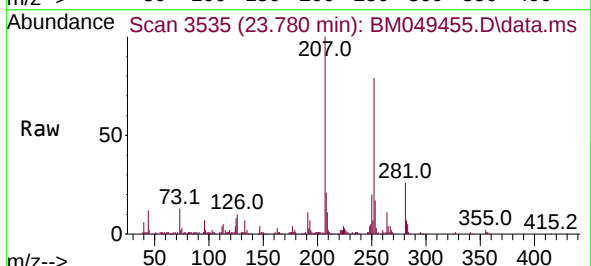
RT: 23.780 min Scan# 3535

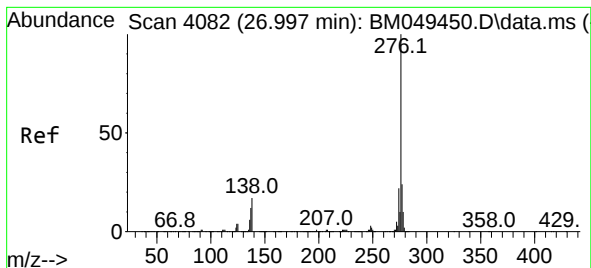
Delta R.T. -0.018 min

Lab File: BM049455.D

Acq: 27 Jan 2025 19:21

Tgt Ion:252 Resp: 112986
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 10.0 6.9 10.3





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.105 ng/ul

RT: 26.991 min Scan# 4082

Delta R.T. -0.029 min

Lab File: BM049455.D

Acq: 27 Jan 2025 19:21

Instrument :

BNA_M

ClientSampleId :

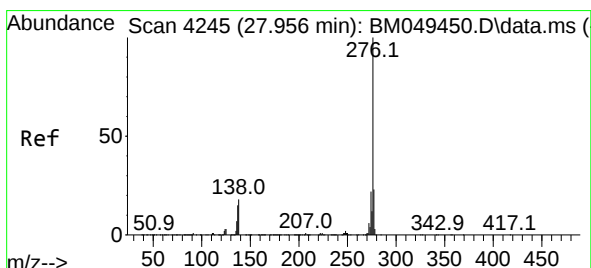
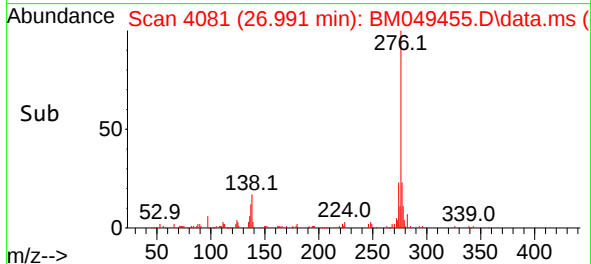
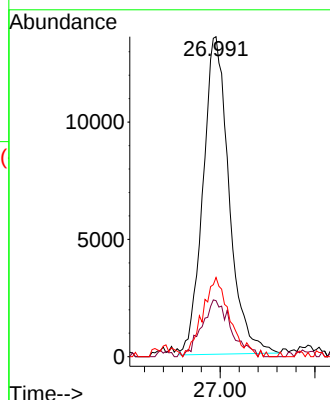
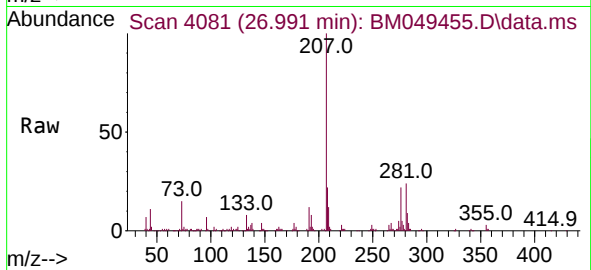
DCZH5ME

Tgt Ion:	276	Resp:	51740
Ion Ratio	Lower	Upper	
276	100		
138	17.5	13.4	20.0
277	24.7	19.1	28.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025



#96

Benzo(g,h,i)perylene

Concen: 1.234 ng/ul m

RT: 27.944 min Scan# 4243

Delta R.T. -0.035 min

Lab File: BM049455.D

Acq: 27 Jan 2025 19:21

Tgt Ion:	276	Resp:	43142
Ion Ratio	Lower	Upper	
276	100		
138	17.9	14.1	21.1
277	23.8	19.4	29.0

