

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
 Data File : BM049456.D
 Acq On : 27 Jan 2025 20:00
 Operator : RC/JU
 Sample : Q1139-12ME
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH9ME

Manual Integrations
 APPROVED

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

Quant Time: Jan 28 00:32:05 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	180085	20.000	ng/u1	0.00
20) Naphthalene-d8	10.275	136	653225	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.151	164	416918	20.000	ng/u1	-0.01
64) Phenanthrene-d10	16.909	188	870839	20.000	ng/u1	0.00
79) Chrysene-d12	21.139	240	998346	20.000	ng/u1	0.00
88) Perylene-d12	23.915	264	1045497	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	19519	4.485	ng/uL	0.00
4) Pyridine-d5	3.510	84	246073	17.759	ng/u1	0.00
7) Phenol-d5	6.710	99	299417	19.806	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.863	67	215112	21.370	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.057	132	237759	20.560	ng/u1	0.00
15) 4-Methylphenol-d8	8.228	113	223623	19.076	ng/u1	-0.01
21) Nitrobenzene-d5	8.657	128	108363	21.754	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.375	143	113866	20.448	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.910	165	223973	19.711	ng/u1	0.00
31) 4-Chloroaniline-d4	10.422	131	270470	18.089	ng/u1	0.00
46) Dimethylphthalate-d6	13.574	166	693956	22.364	ng/u1	-0.01
49) Acenaphthylene-d8	13.839	160	813973	22.978	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.386	143	67631m	13.162	ng/u1	0.00
60) Fluorene-d10	15.151	176	637693	23.789	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.286	200	71536	12.890	ng/u1	0.00
73) Anthracene-d10	17.003	188	1008189	23.420	ng/u1	-0.01
81) Pyrene-d10	19.309	212	1329620	21.884	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.727	264	1294399	23.063	ng/u1	-0.02
Target Compounds	Qvalue					
37) 1-Methylnaphthalene	12.169	142	44989	1.823	ng/u1	100
52) Acenaphthene	14.215	153	719299	27.721	ng/u1	99
61) Fluorene	15.210	166	778996	25.876	ng/u1	100
72) Phenanthrene	16.951	178	5976216	123.441	ng/u1	99
74) Anthracene	17.039	178	609352	12.540	ng/u1	100
80) Fluoranthene	18.980	202	9323812	133.548	ng/u1	99
82) Pyrene	19.345	202	5978834	80.450	ng/u1	99
85) Benzo(a)anthracene	21.121	228	980924	14.099	ng/u1	100
87) Chrysene	21.174	228	1137290	17.906	ng/u1	99
90) Benzo(b)fluoranthene	23.044	252	659957	9.431	ng/u1	99
91) Benzo(k)fluoranthene	23.097	252	235407	3.374	ng/u1	100
93) Benzo(a)pyrene	23.780	252	262623	4.155	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	26.985	276	106681	1.471	ng/u1	98
96) Benzo(g,h,i)perylene	27.944	276	86618	1.600	ng/u1	99

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

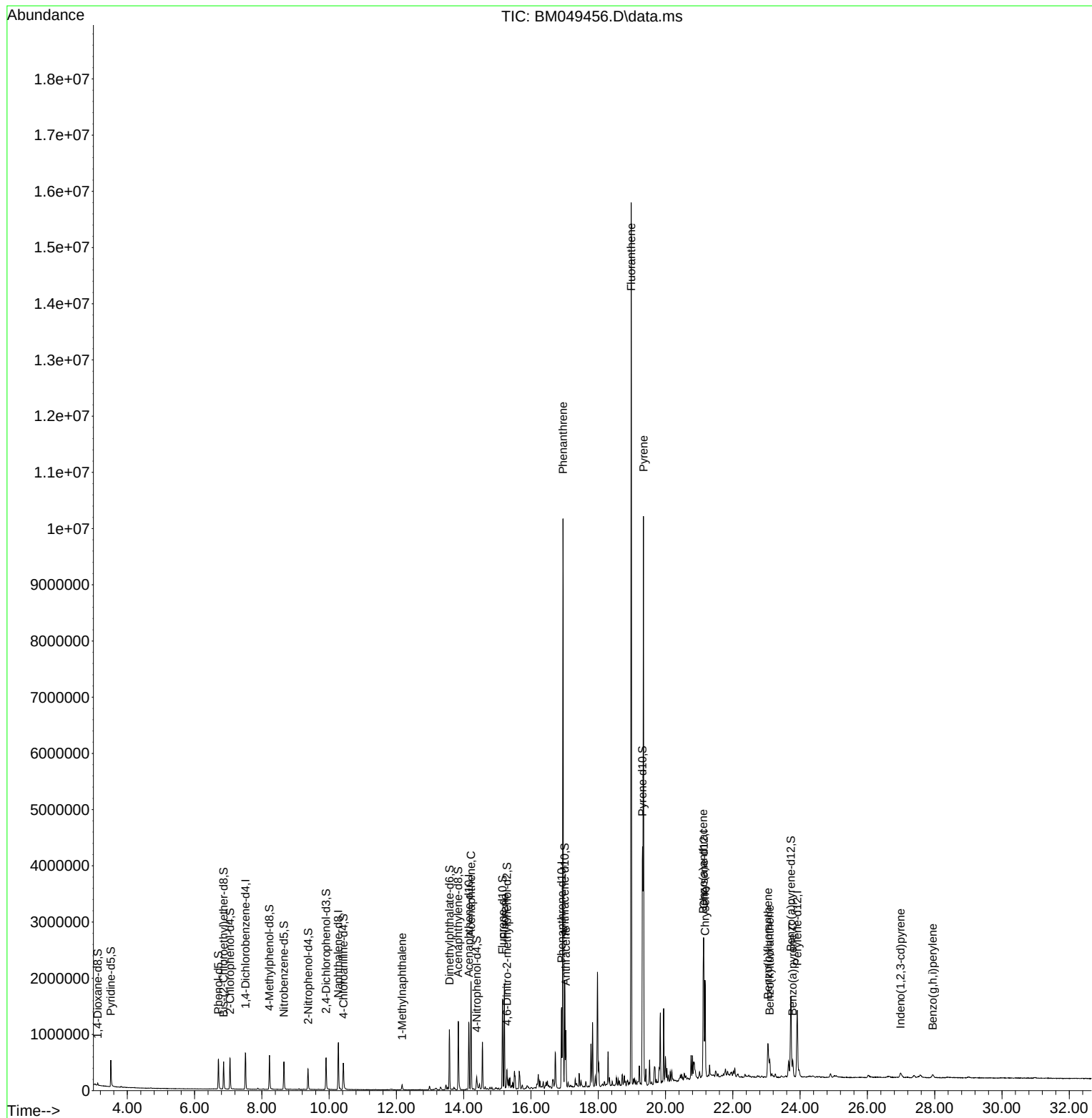
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
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ALS Vial : 14 Sample Multiplier: 1

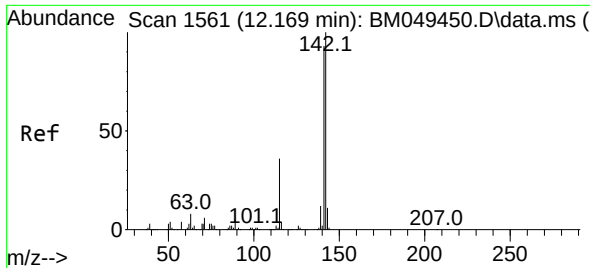
Instrument :
BNA_M
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Quant Time: Jan 28 00:32:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
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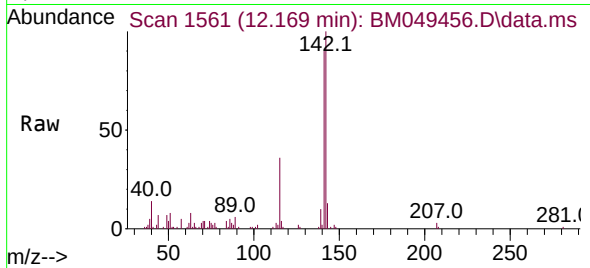
Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025





#37
1-Methylnaphthalene
Concen: 1.823 ng/ul
RT: 12.169 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BM049456.D
Acq: 27 Jan 2025 20:00

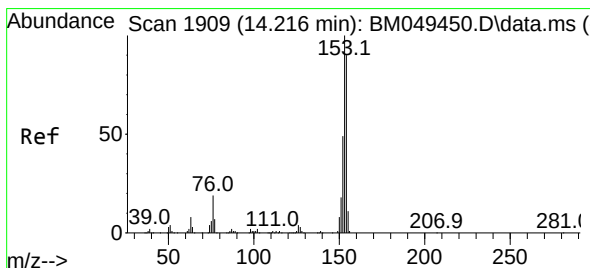
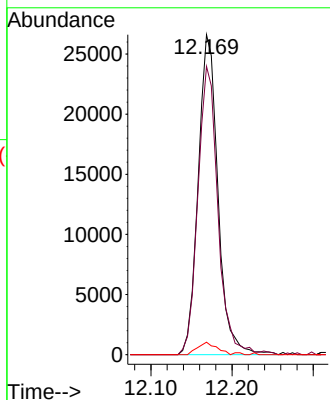
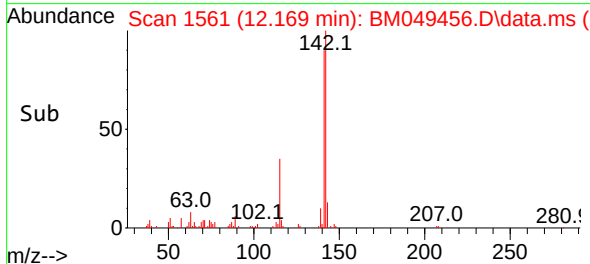
Instrument :
BNA_M
ClientSampleId :
DCZH9ME



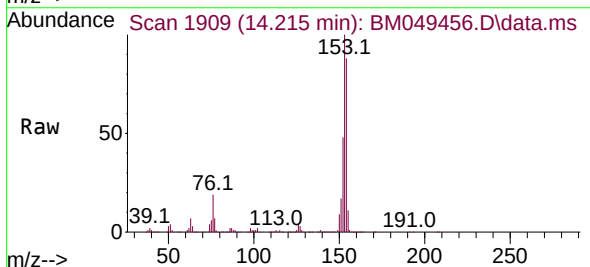
Tgt Ion:142 Resp: 44989
Ion Ratio Lower Upper
142 100
141 90.1 71.9 107.9
116 3.9 2.8 4.2

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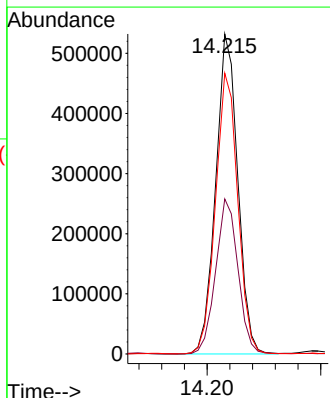
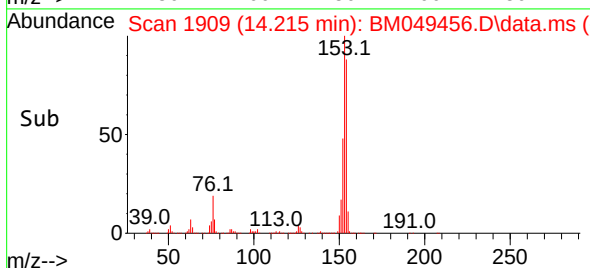
Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025

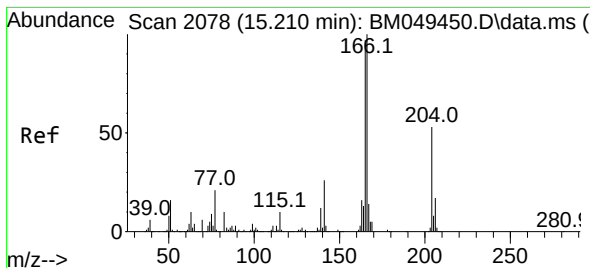


#52
Acenaphthene
Concen: 27.721 ng/ul
RT: 14.215 min Scan# 1909
Delta R.T. -0.012 min
Lab File: BM049456.D
Acq: 27 Jan 2025 20:00



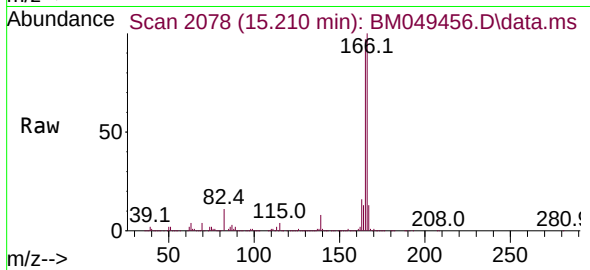
Tgt Ion:153 Resp: 719299
Ion Ratio Lower Upper
153 100
152 48.5 39.0 58.6
154 87.7 71.6 107.4





#61
Fluorene
Concen: 25.876 ng/ul
RT: 15.210 min Scan# 2078
Delta R.T. -0.012 min
Lab File: BM049456.D
Acq: 27 Jan 2025 20:00

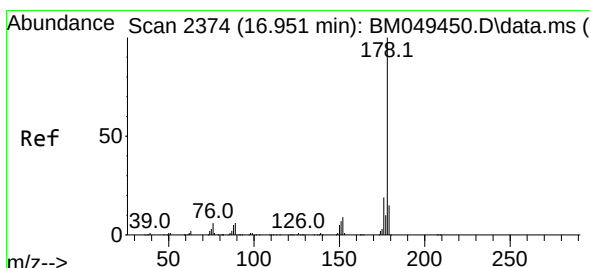
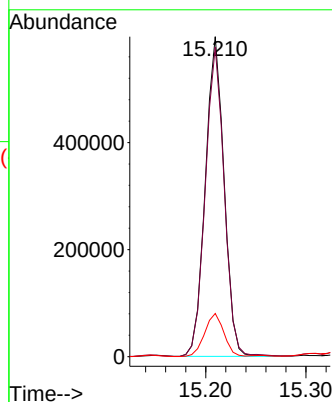
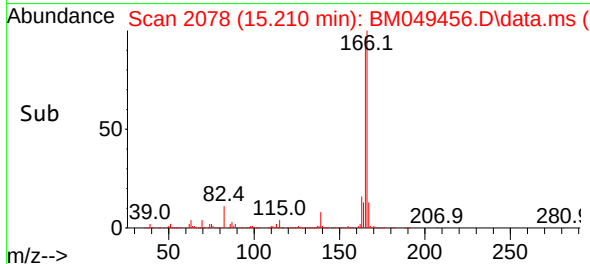
Instrument :
BNA_M
ClientSampleId :
DCZH9ME



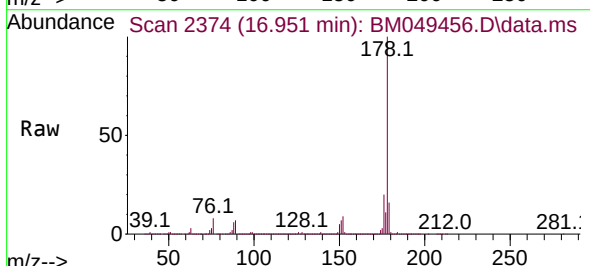
Tgt Ion:166 Resp: 778990
Ion Ratio Lower Upper
166 100
165 96.7 77.7 116.5
167 13.5 10.7 16.1

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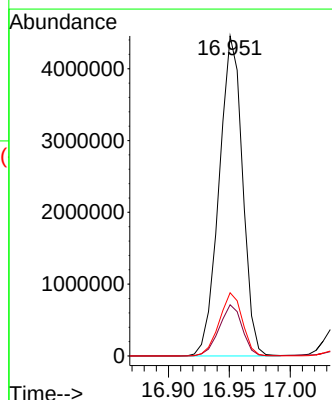
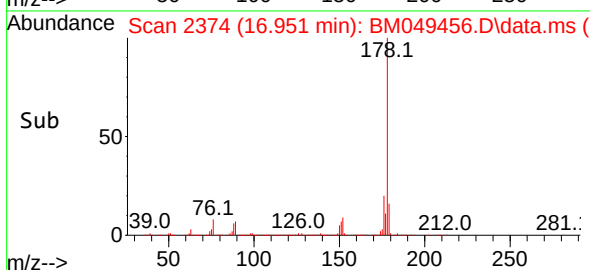
Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025

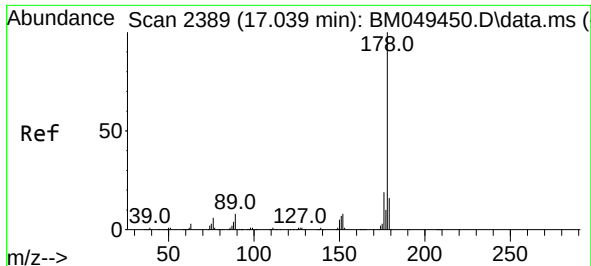


#72
Phenanthrene
Concen: 123.441 ng/ul
RT: 16.951 min Scan# 2374
Delta R.T. -0.006 min
Lab File: BM049456.D
Acq: 27 Jan 2025 20:00



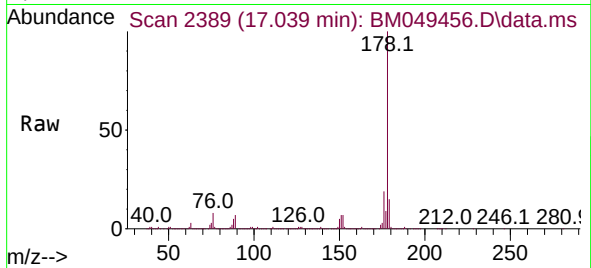
Tgt Ion:178 Resp: 5976216
Ion Ratio Lower Upper
178 100
179 16.0 12.6 19.0
176 19.7 15.4 23.2





#74
 Anthracene
 Concen: 12.540 ng/ul
 RT: 17.039 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM049456.D
 Acq: 27 Jan 2025 20:00

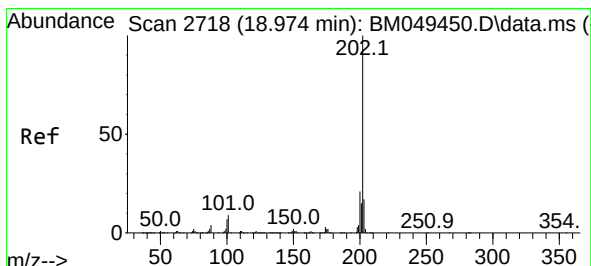
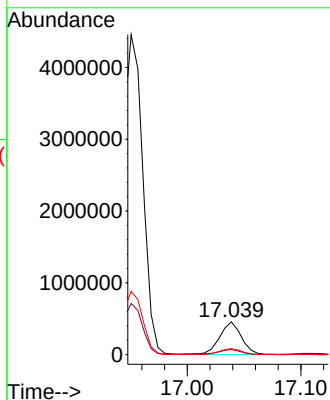
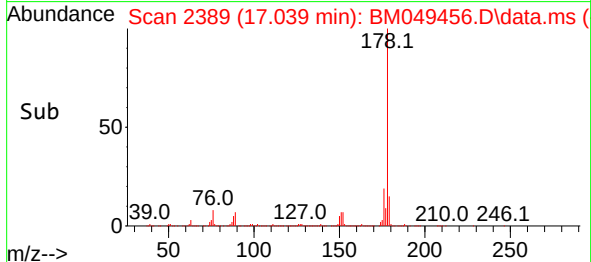
Instrument :
 BNA_M
 ClientSampleId :
 DCZH9ME



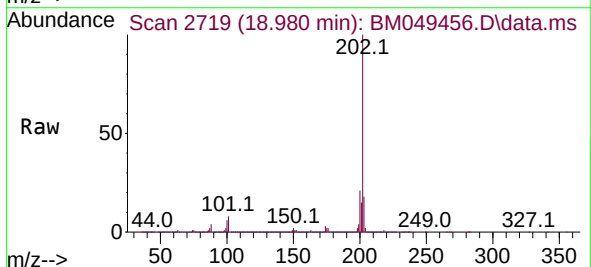
Tgt Ion:178 Resp: 609352
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.5 18.7
 176 18.7 15.1 22.7

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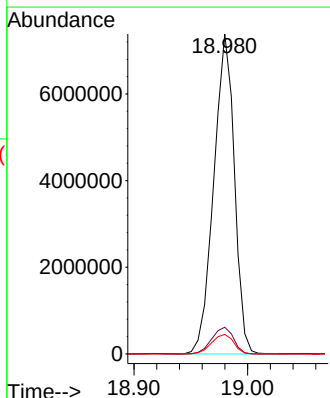
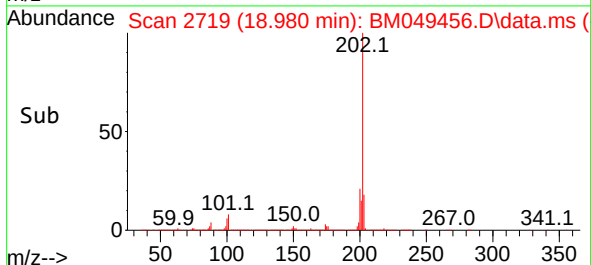
Reviewed By :Jagrut Upadhyay 01/28/2025
 Supervised By :mohammad ahmed 01/31/2025

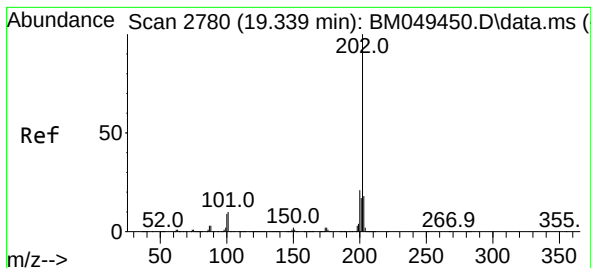


#80
 Fluoranthene
 Concen: 133.548 ng/ul
 RT: 18.980 min Scan# 2719
 Delta R.T. -0.006 min
 Lab File: BM049456.D
 Acq: 27 Jan 2025 20:00



Tgt Ion:202 Resp: 9323812
 Ion Ratio Lower Upper
 202 100
 101 8.4 7.0 10.4
 100 6.1 5.0 7.6





#82

Pyrene

Concen: 80.450 ng/ul

RT: 19.345 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049456.D

Acq: 27 Jan 2025 20:00

Instrument :

BNA_M

ClientSampleId :

DCZH9ME

Tgt Ion:202 Resp: 5978834

Ion Ratio Lower Upper

202 100

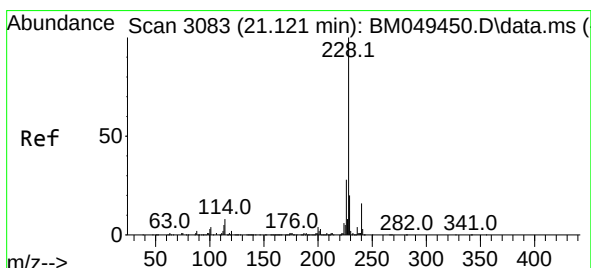
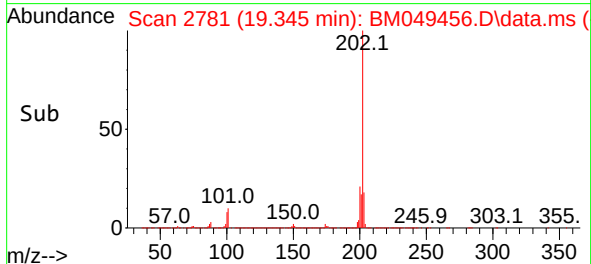
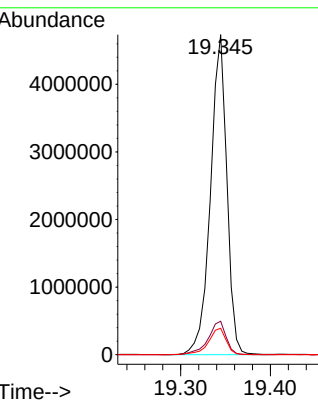
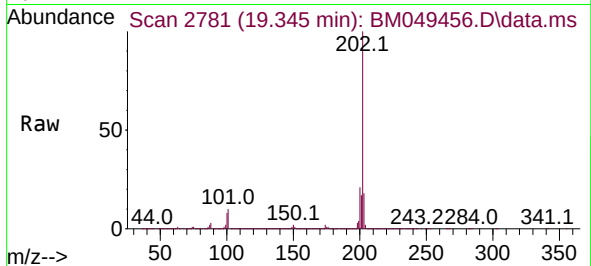
101 10.5 7.8 11.8

100 8.3 6.6 10.0

Manual Integrations

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



#85

Benzo(a)anthracene

Concen: 14.099 ng/ul

RT: 21.121 min Scan# 3083

Delta R.T. -0.012 min

Lab File: BM049456.D

Acq: 27 Jan 2025 20:00

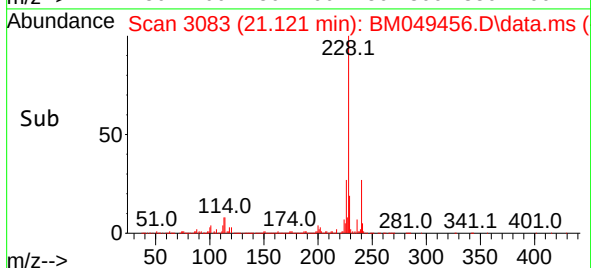
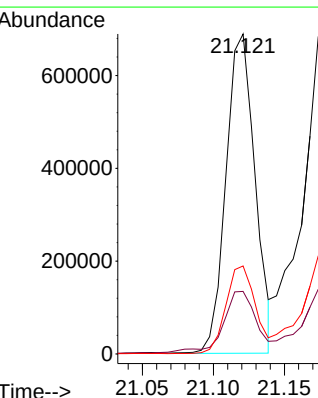
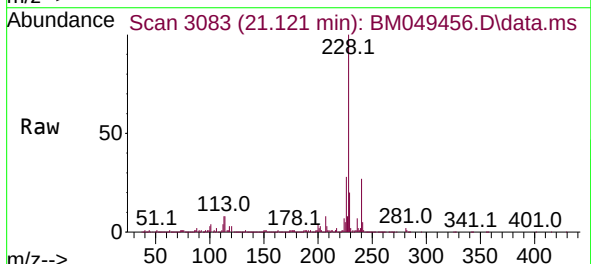
Tgt Ion:228 Resp: 980924

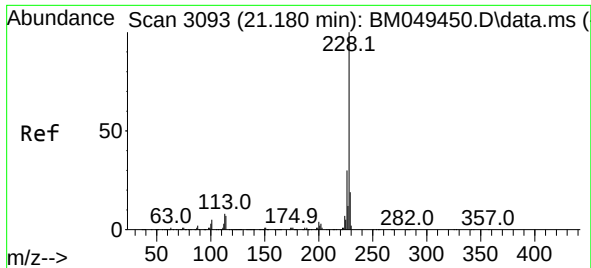
Ion Ratio Lower Upper

228 100

229 19.5 15.8 23.6

226 27.5 22.1 33.1





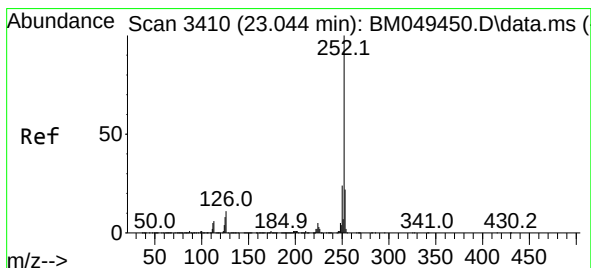
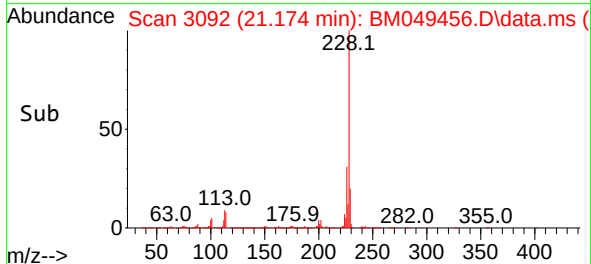
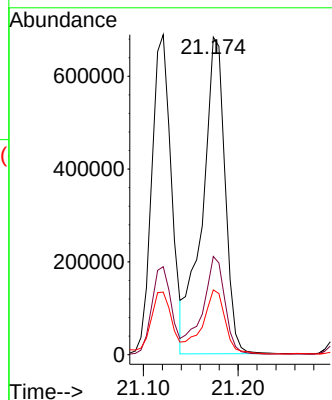
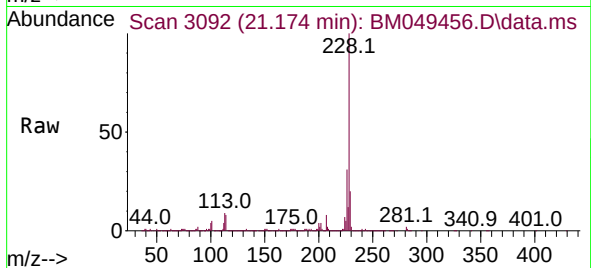
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Chrysene
Concen: 17.906 ng/ul
RT: 21.174 min Scan# 3093
Delta R.T. -0.012 min
Lab File: BM049456.D
Acq: 27 Jan 2025 20:00

Instrument :
BNA_M
ClientSampleId :
DCZH9ME

Tgt Ion:228 Resp: 1137290
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 20.4 16.0 24.0

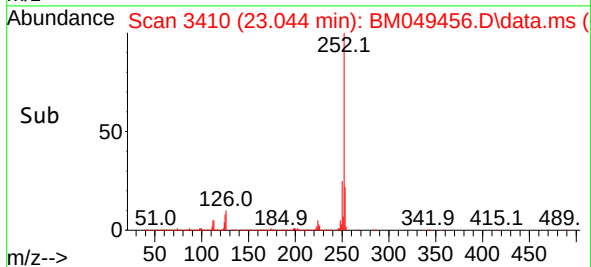
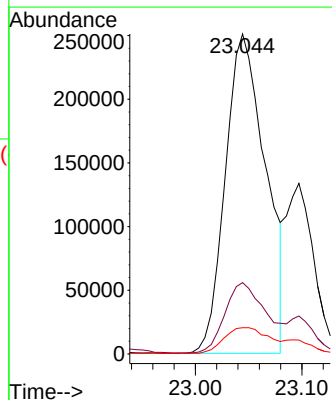
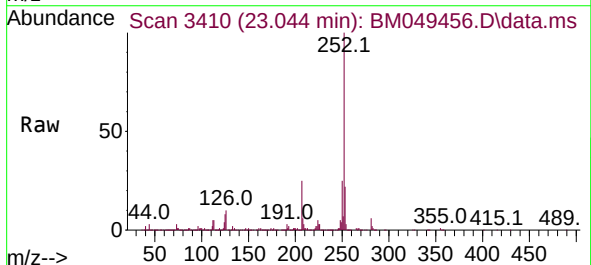
Manual Integrations
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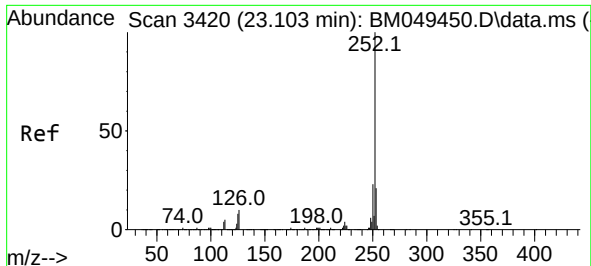
Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025



#90
Benzo(b)fluoranthene
Concen: 9.431 ng/ul
RT: 23.044 min Scan# 3410
Delta R.T. -0.012 min
Lab File: BM049456.D
Acq: 27 Jan 2025 20:00

Tgt Ion:252 Resp: 659957
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 8.2 6.6 9.8





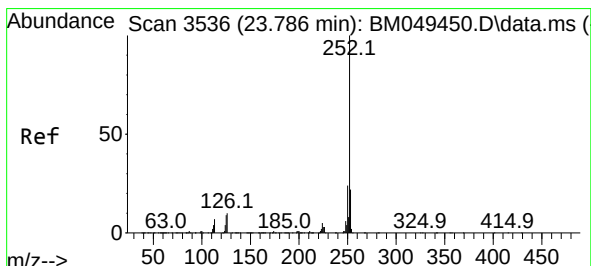
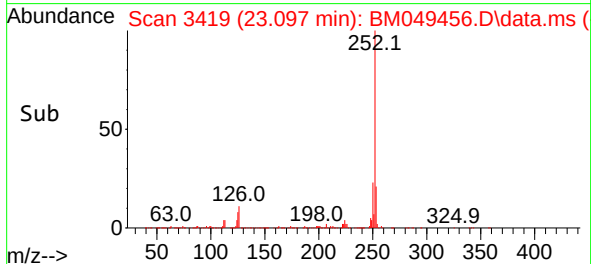
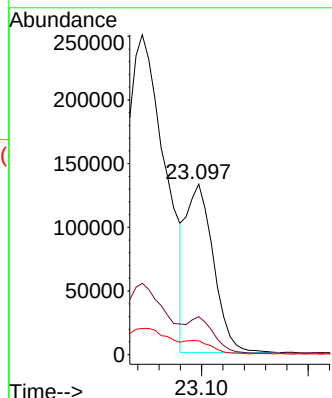
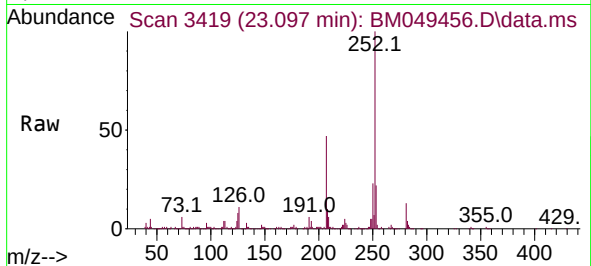
#91
Benzo(k)fluoranthene
Concen: 3.374 ng/u1
RT: 23.097 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM049456.D
Acq: 27 Jan 2025 20:00

Instrument :
BNA_M
ClientSampleId :
DCZH9ME

Tgt Ion:252 Resp: 23540
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 8.2 6.5 9.7

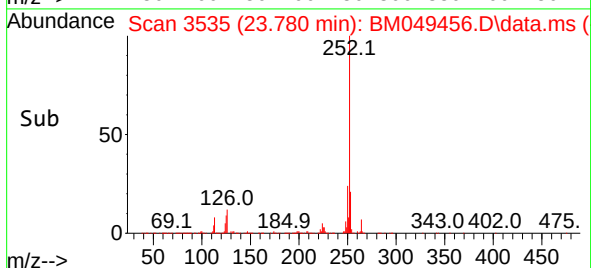
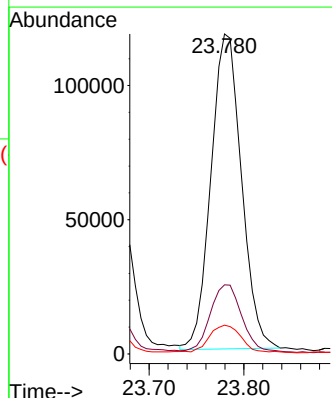
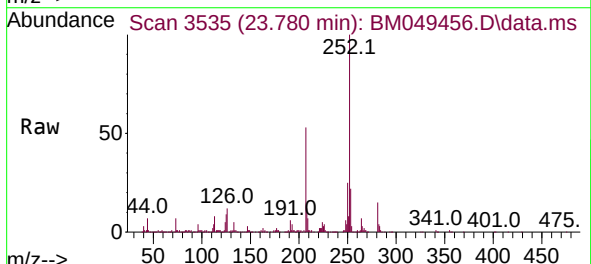
Manual Integrations
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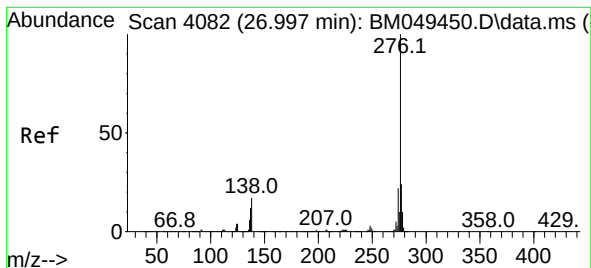
Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025



#93
Benzo(a)pyrene
Concen: 4.155 ng/u1
RT: 23.780 min Scan# 3535
Delta R.T. -0.018 min
Lab File: BM049456.D
Acq: 27 Jan 2025 20:00

Tgt Ion:252 Resp: 262623
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.2
125 9.0 6.9 10.3





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.471 ng/ul

RT: 26.985 min Scan# 4080

Delta R.T. -0.035 min

Lab File: BM049456.D

Acq: 27 Jan 2025 20:00

Instrument :

BNA_M

ClientSampleId :

DCZH9ME

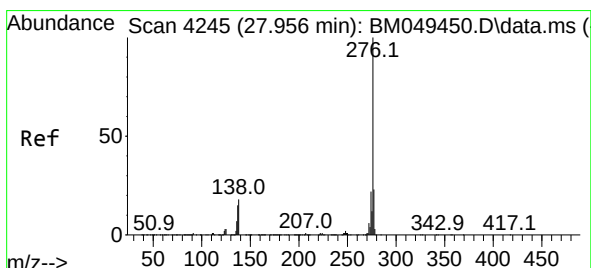
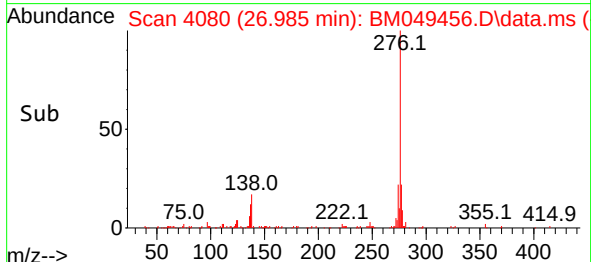
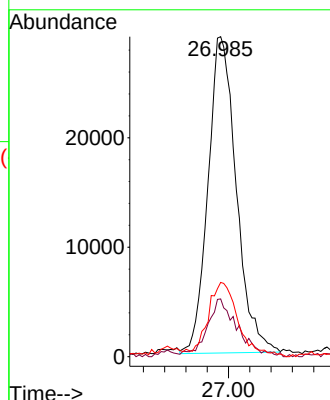
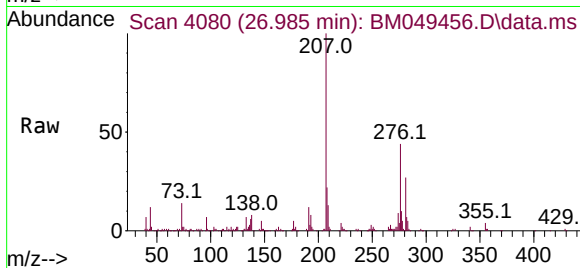
Tgt Ion:276 Resp: 10668

Ion	Ratio	Lower	Upper
276	100		
138	18.0	13.4	20.0
277	23.2	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: 1.600 ng/ul

RT: 27.944 min Scan# 4243

Delta R.T. -0.035 min

Lab File: BM049456.D

Acq: 27 Jan 2025 20:00

Tgt Ion:276 Resp: 86618

Ion	Ratio	Lower	Upper
276	100		
138	17.4	14.1	21.1
277	23.4	19.4	29.0

