

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
 Data File : BM049538.D
 Acq On : 30 Jan 2025 22:26
 Operator : RC/JU
 Sample : Q1189-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A44Q3

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 31 08:18:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 28 14:45:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.510	152	241351	20.000	ng/u1	0.00
20) Naphthalene-d8	10.269	136	915579	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.151	164	605757	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.910	188	1285063	20.000	ng/u1	0.00
79) Chrysene-d12	21.139	240	1327742	20.000	ng/u1	0.00
88) Perylene-d12	23.927	264	1409535	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.110	96	20350	3.124	ng/uL	-0.01
4) Pyridine-d5	3.522	84	9562	0.500	ng/u1	0.01
7) Phenol-d5	6.728	99	408649	20.865	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	6.857	67	249140	18.603	ng/u1	0.00
11) 2-Chlorophenol-d4	7.057	132	327487	21.608	ng/u1	0.00
15) 4-Methylphenol-d8	8.239	113	268697	18.726	ng/u1	0.01
21) Nitrobenzene-d5	8.651	128	147480	21.055	ng/u1	0.00
24) 2-Nitrophenol-d4	9.369	143	171948	22.506	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.922	165	329667	21.145	ng/u1	0.02
31) 4-Chloroaniline-d4	10.422	131	195523	9.777	ng/u1	0.00
46) Dimethylphthalate-d6	13.574	166	1007004	22.673	ng/u1	0.00
49) Acenaphthylene-d8	13.839	160	1102109	21.119	ng/u1	0.00
54) 4-Nitrophenol-d4	14.427	143	158559	21.762	ng/u1	0.05
60) Fluorene-d10	15.151	176	853733	21.858	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.292	200	108676	13.420	ng/u1	0.01
73) Anthracene-d10	17.004	188	1296829	20.209	ng/u1	0.00
81) Pyrene-d10	19.315	212	1423870	18.344	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.733	264	945947	12.583	ng/u1	0.00
Target Compounds						
					Qvalue	
8) Phenol	6.751	94	42432	2.064	ng/u1#	93
16) Acetophenone	8.328	105	132975	5.573	ng/u1	95
50) Acenaphthylene	13.869	152	67165	1.253	ng/u1	97
72) Phenanthrene	16.951	178	363555	5.026	ng/u1	98
80) Fluoranthene	18.980	202	989463	11.161	ng/u1	100
82) Pyrene	19.339	202	717847	7.526	ng/u1	99
85) Benzo(a)anthracene	21.127	228	384730	4.125	ng/u1	93
87) Chrysene	21.180	228	522330	6.030	ng/u1	98
90) Benzo(b)fluoranthene	23.056	252	676047	7.399	ng/u1	97
91) Benzo(k)fluoranthene	23.103	252	236561m	2.562	ng/u1	
93) Benzo(a)pyrene	23.791	252	250979	2.928	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	27.009	276	237470	2.235	ng/u1	98

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

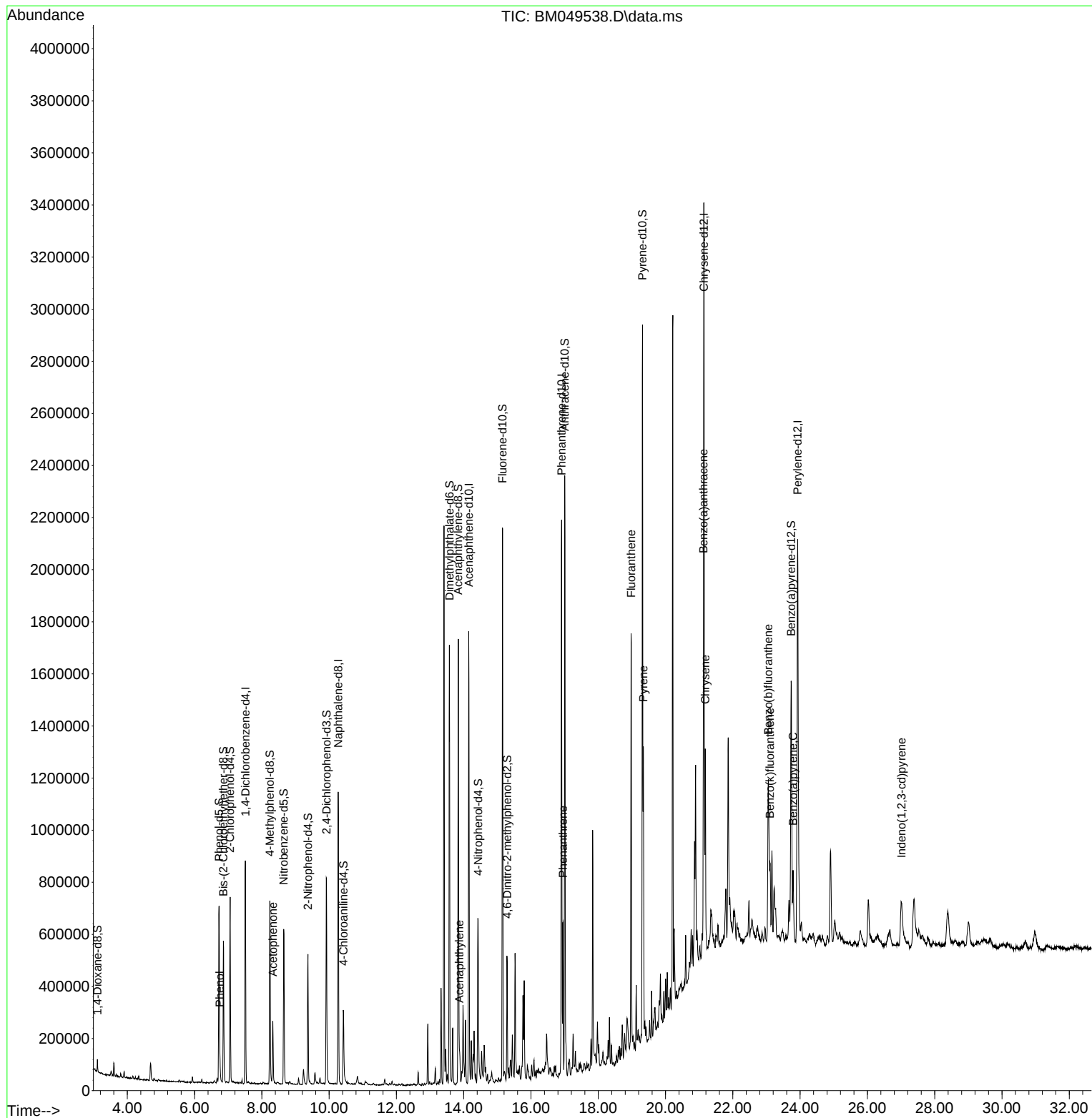
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
 Data File : BM049538.D
 Acq On : 30 Jan 2025 22:26
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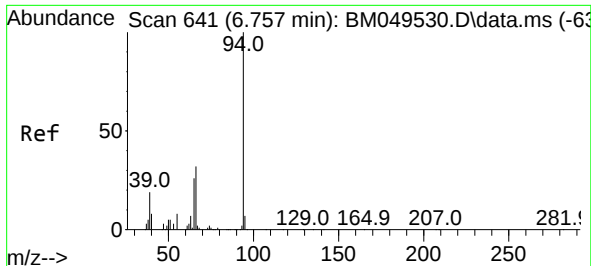
Instrument :
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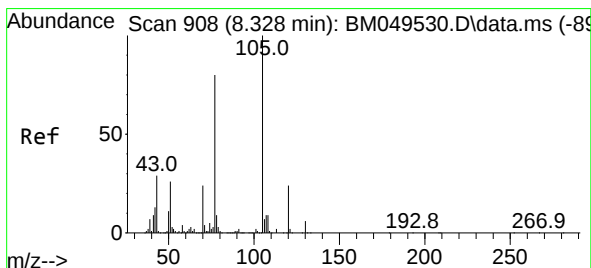
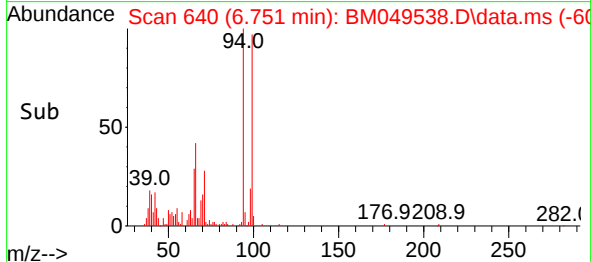
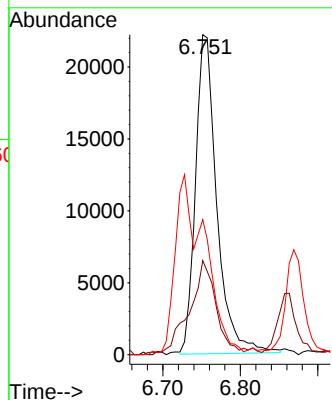
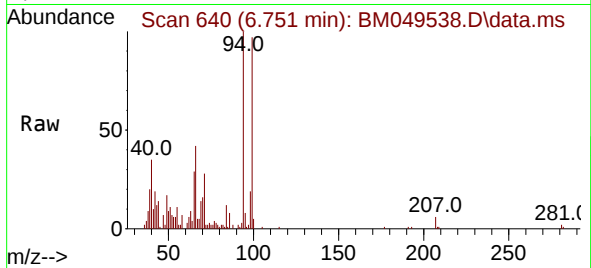
#8
Phenol
Concen: 2.064 ng/ul
RT: 6.751 min Scan# 641
Delta R.T. 0.018 min
Lab File: BM049538.D
Acq: 30 Jan 2025 22:26

Instrument :
BNA_M
ClientSampleId :
A44Q3

Tgt Ion: 94 Resp: 4243
Ion Ratio Lower Upper
94 100
65 29.4 23.4 35.0
66 42.2 27.8 41.8

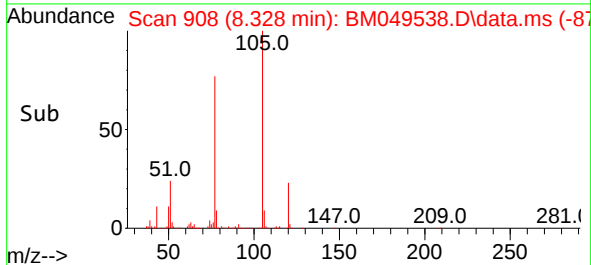
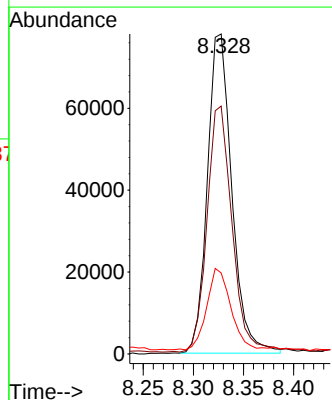
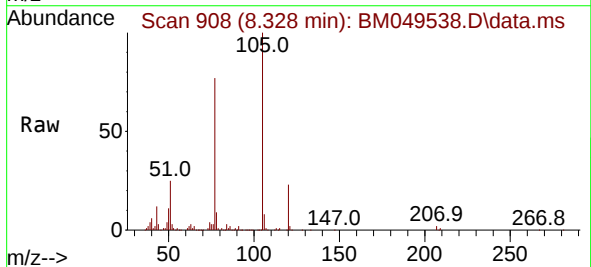
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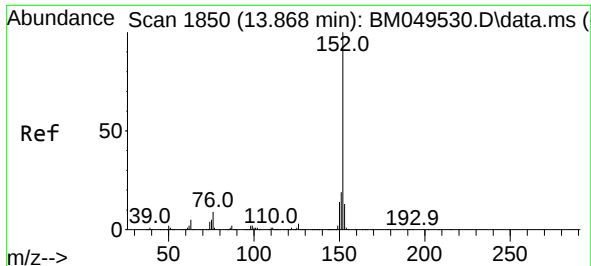
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025



#16
Acetophenone
Concen: 5.573 ng/ul
RT: 8.328 min Scan# 908
Delta R.T. -0.000 min
Lab File: BM049538.D
Acq: 30 Jan 2025 22:26

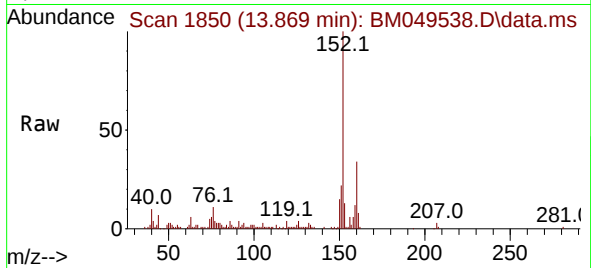
Tgt Ion:105 Resp: 132975
Ion Ratio Lower Upper
105 100
77 77.5 64.6 97.0
51 25.3 23.3 34.9





#50
Acenaphthylene
Concen: 1.253 ng/ul
RT: 13.869 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BM049538.D
Acq: 30 Jan 2025 22:26

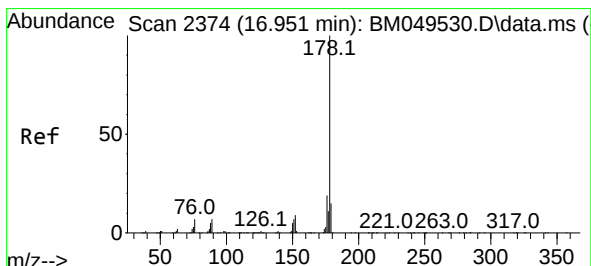
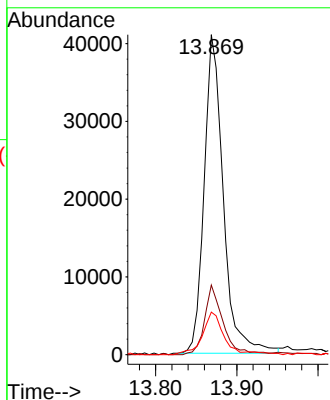
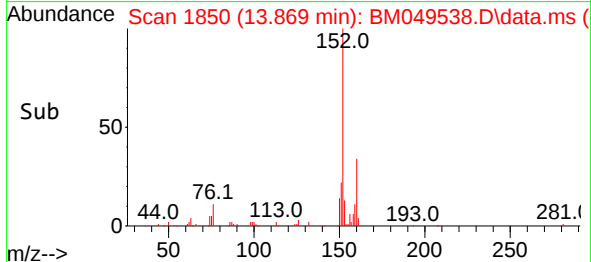
Instrument : BNA_M
ClientSampleId : A44Q3



Tgt Ion:152 Resp: 6716
Ion Ratio Lower Upper
152 100
151 21.8 16.0 24.0
153 13.3 10.4 15.6

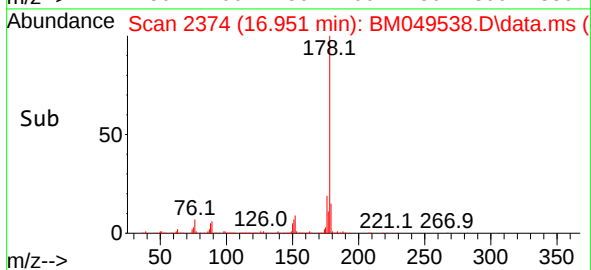
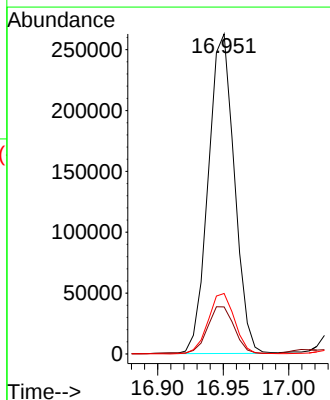
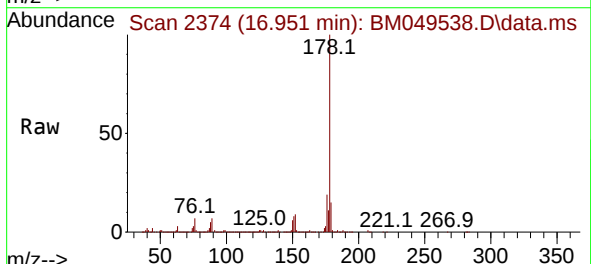
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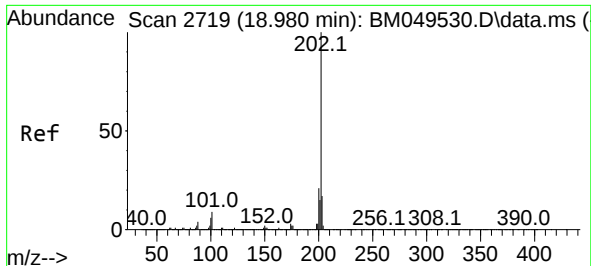
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Phenanthrene
Concen: 5.026 ng/ul
RT: 16.951 min Scan# 2374
Delta R.T. 0.006 min
Lab File: BM049538.D
Acq: 30 Jan 2025 22:26

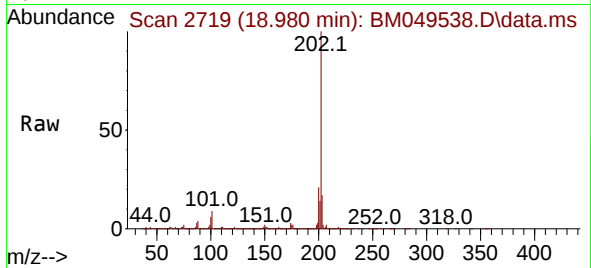
Tgt Ion:178 Resp: 363555
Ion Ratio Lower Upper
178 100
179 14.7 12.4 18.6
176 18.9 15.6 23.4





#80
Fluoranthene
Concen: 11.161 ng/ul
RT: 18.980 min Scan# 2719
Delta R.T. 0.006 min
Lab File: BM049538.D
Acq: 30 Jan 2025 22:26

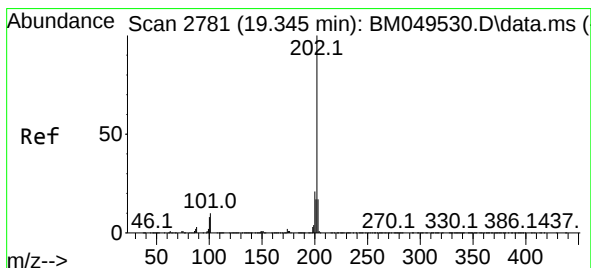
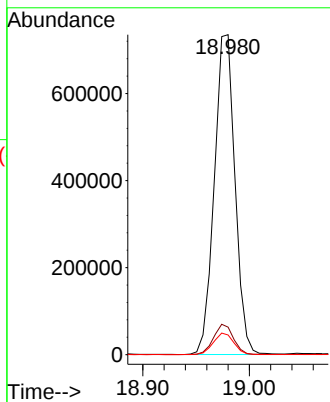
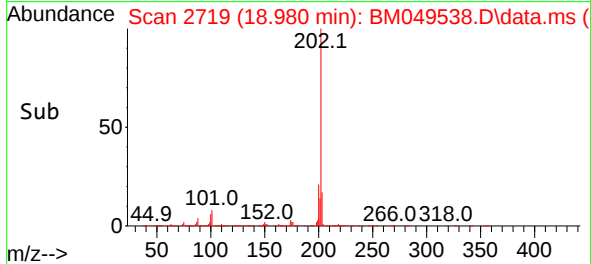
Instrument :
BNA_M
ClientSampleId :
A44Q3



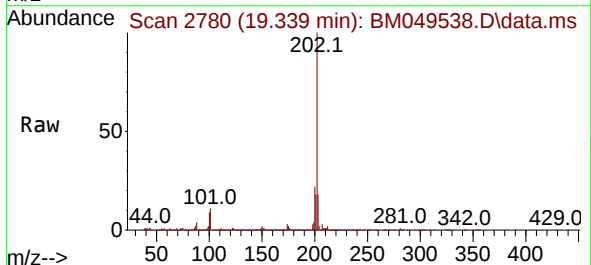
Tgt Ion:202 Resp: 98946
Ion Ratio Lower Upper
202 100
101 8.6 6.9 10.3
100 6.2 5.1 7.7

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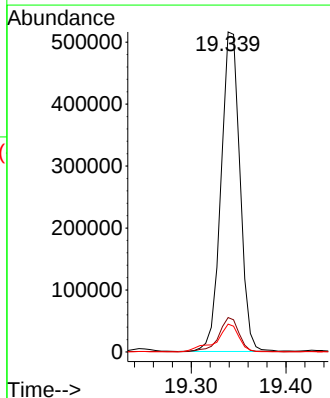
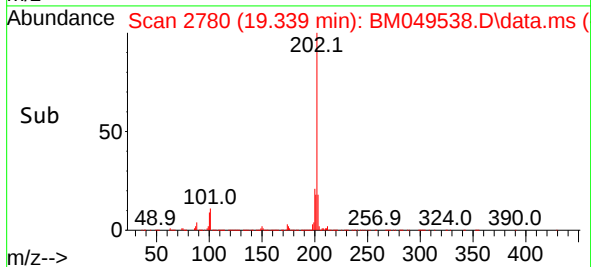
Reviewed By :Jagrut Upadhyay 01/31/2025
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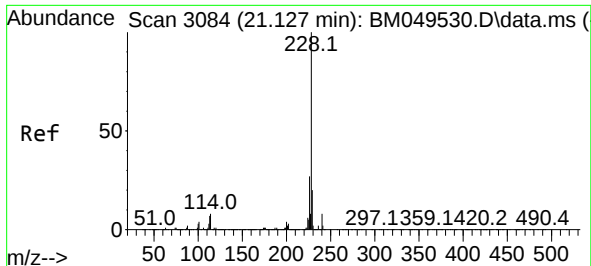


#82
Pyrene
Concen: 7.526 ng/ul
RT: 19.339 min Scan# 2780
Delta R.T. -0.000 min
Lab File: BM049538.D
Acq: 30 Jan 2025 22:26



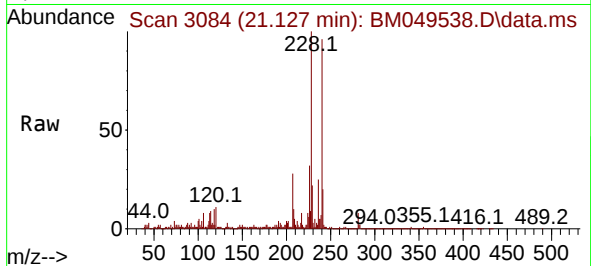
Tgt Ion:202 Resp: 717847
Ion Ratio Lower Upper
202 100
101 10.8 8.3 12.5
100 8.7 6.6 9.8





#85
Benzo(a)anthracene
Concen: 4.125 ng/u1
RT: 21.127 min Scan# 3084
Delta R.T. 0.012 min
Lab File: BM049538.D
Acq: 30 Jan 2025 22:26

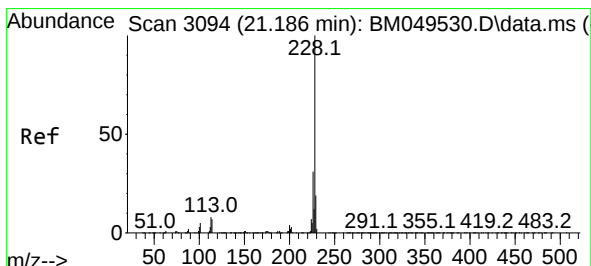
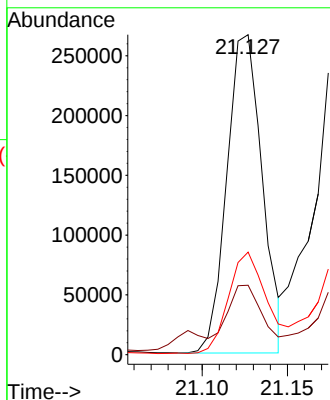
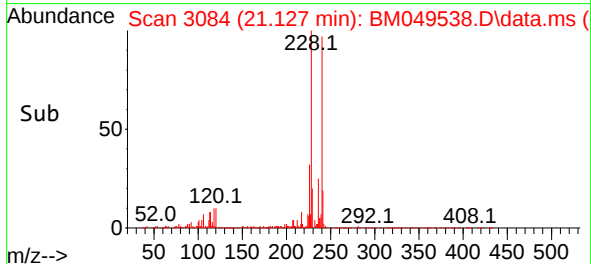
Instrument :
BNA_M
ClientSampleId :
A44Q3



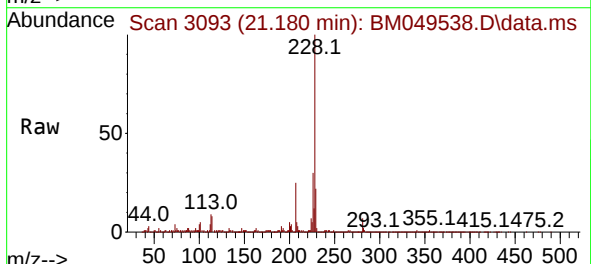
Tgt Ion:228 Resp: 384730
Ion Ratio Lower Upper
228 100
229 21.7 15.7 23.5
226 32.0 22.1 33.1

Manual Integrations
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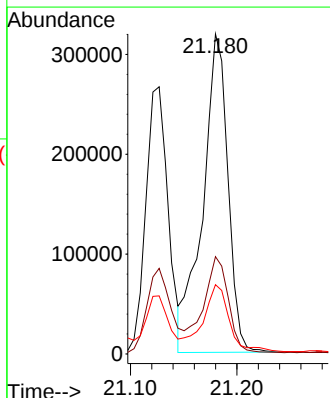
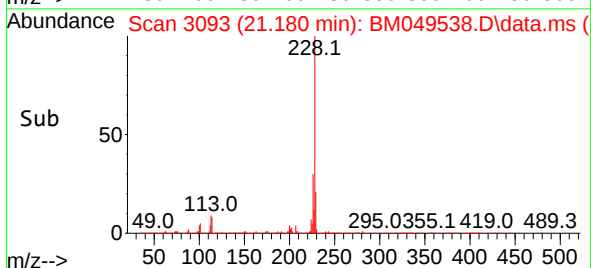
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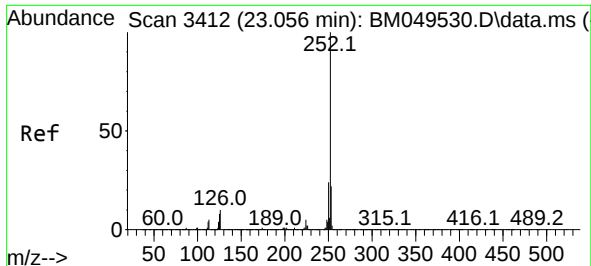


#87
Chrysene
Concen: 6.030 ng/u1
RT: 21.180 min Scan# 3093
Delta R.T. 0.006 min
Lab File: BM049538.D
Acq: 30 Jan 2025 22:26



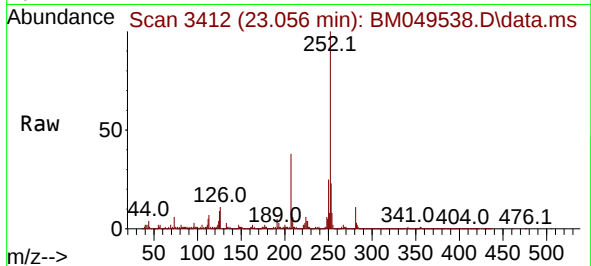
Tgt Ion:228 Resp: 522330
Ion Ratio Lower Upper
228 100
226 30.4 24.6 37.0
229 21.7 15.9 23.9





#90
Benzo(b)fluoranthene
Concen: 7.399 ng/u1
RT: 23.056 min Scan# 3412
Delta R.T. 0.012 min
Lab File: BM049538.D
Acq: 30 Jan 2025 22:26

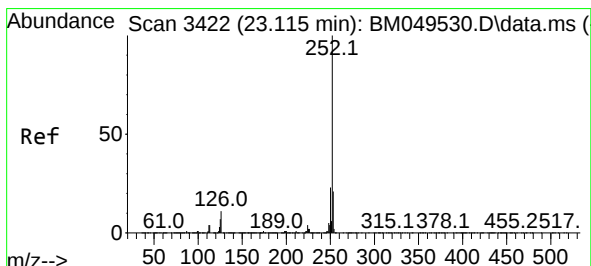
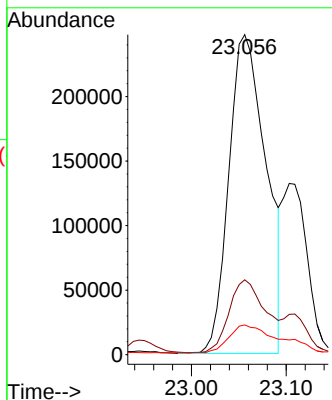
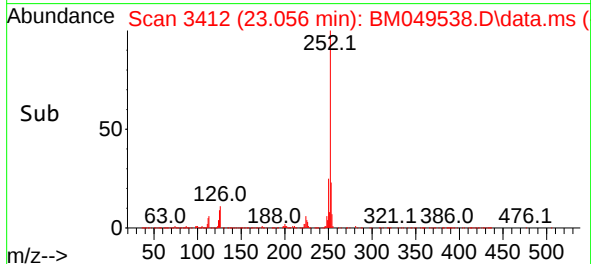
Instrument :
BNA_M
ClientSampleId :
A44Q3



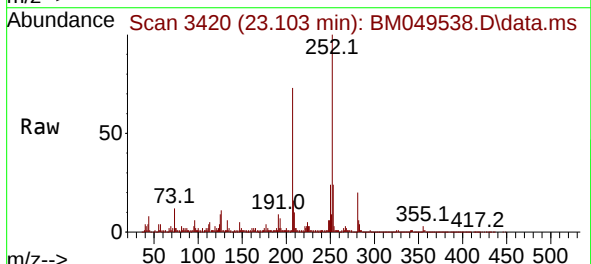
Tgt Ion:252 Resp: 67604
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 9.3 6.3 9.5

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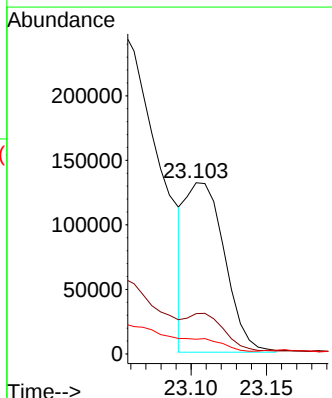
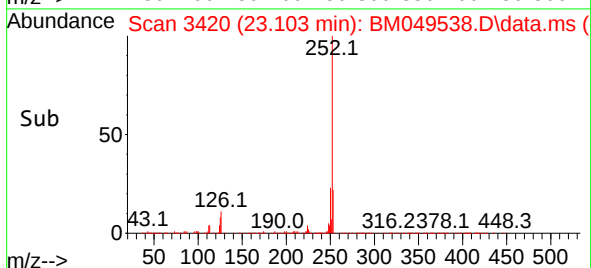
Reviewed By :Jagrut Upadhyay 01/31/2025
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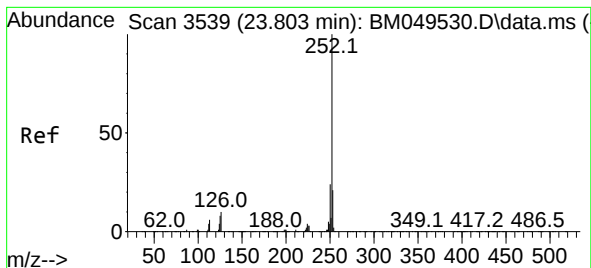


#91
Benzo(k)fluoranthene
Concen: 2.562 ng/u1 m
RT: 23.103 min Scan# 3420
Delta R.T. 0.006 min
Lab File: BM049538.D
Acq: 30 Jan 2025 22:26



Tgt Ion:252 Resp: 236561
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 8.6 6.5 9.7





#93

Benzo(a)pyrene

Concen: 2.928 ng/ul

RT: 23.791 min Scan# 3537

Delta R.T. 0.012 min

Lab File: BM049538.D

Acq: 30 Jan 2025 22:26

Instrument :

BNA_M

ClientSampleId :

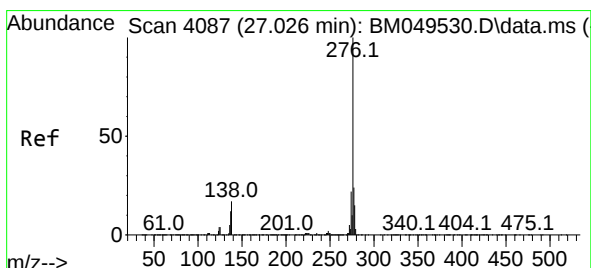
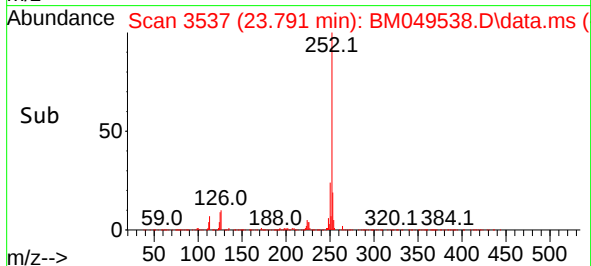
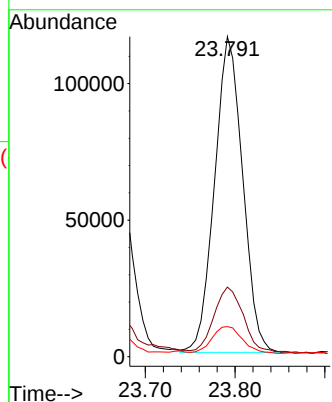
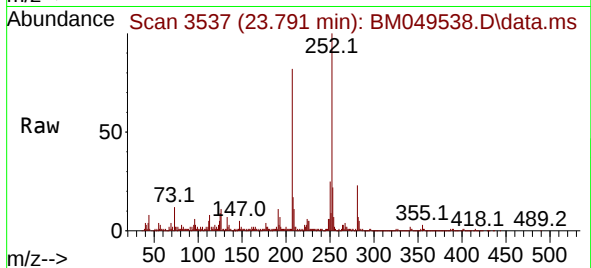
A44Q3

Tgt Ion:	252	Resp:	250979
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.3	25.9
125	9.4	7.0	10.6

Manual Integrations

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Supervised By :mohammad ahmed 02/04/2025



#94

Indeno(1,2,3-cd)pyrene

Concen: 2.235 ng/ul

RT: 27.009 min Scan# 4084

Delta R.T. 0.017 min

Lab File: BM049538.D

Acq: 30 Jan 2025 22:26

Tgt Ion:	276	Resp:	237470
Ion Ratio	Lower	Upper	
276	100		
138	17.7	13.8	20.6
277	25.5	19.0	28.6

