

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
 Data File : BM049534.D
 Acq On : 30 Jan 2025 19:50
 Operator : RC/JU
 Sample : Q1189-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A44Q5

Manual Integrations
 APPROVED

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

Quant Time: Jan 31 07:52:05 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	217185	20.000	ng/u1	0.00
20) Naphthalene-d8	10.269	136	823624	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.151	164	554043	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.910	188	1175112	20.000	ng/u1	0.00
79) Chrysene-d12	21.145	240	1223607	20.000	ng/u1	0.01
88) Perylene-d12	23.933	264	1318567	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.110	96	10970	1.871	ng/uL	-0.01
4) Pyridine-d5	3.510	84	59650	3.464	ng/u1	0.00
7) Phenol-d5	6.728	99	219017	12.427	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	6.857	67	135298	11.227	ng/u1	0.00
11) 2-Chlorophenol-d4	7.057	132	178385	13.080	ng/u1	0.00
15) 4-Methylphenol-d8	8.240	113	152188	11.786	ng/u1	0.01
21) Nitrobenzene-d5	8.657	128	80161	12.722	ng/u1	0.00
24) 2-Nitrophenol-d4	9.369	143	91574	13.324	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.922	165	180406	12.863	ng/u1	0.02
31) 4-Chloroaniline-d4	10.428	131	68845m	3.827	ng/u1	0.00
46) Dimethylphthalate-d6	13.574	166	538504	13.256	ng/u1	0.00
49) Acenaphthylene-d8	13.839	160	521325	10.922	ng/u1	0.00
54) 4-Nitrophenol-d4	14.433	143	74906	11.241	ng/u1	0.05
60) Fluorene-d10	15.151	176	386127	10.809	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.292	200	45364	6.126	ng/u1	0.01
73) Anthracene-d10	17.010	188	624387	10.640	ng/u1	0.00
81) Pyrene-d10	19.315	212	643064	8.990	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.738	264	388372	5.522	ng/u1	0.01
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.669	77	12099	1.250	ng/u1	87
8) Phenol	6.757	94	51081m	2.761	ng/u1	
16) Acetophenone	8.328	105	194190	9.044	ng/u1	96
30) Naphthalene	10.322	128	57949	1.321	ng/u1	99
50) Acenaphthylene	13.874	152	259876	5.300	ng/u1	100
52) Acenaphthene	14.216	153	78395	2.239	ng/u1	99
56) Dibenzofuran	14.557	168	88413	1.771	ng/u1	100
61) Fluorene	15.210	166	117880	2.922	ng/u1#	98
71) Pentachlorophenol	16.574	266	50252	5.151	ng/u1	97
72) Phenanthrene	16.951	178	4282390	64.739	ng/u1	100
74) Anthracene	17.039	178	495373	7.435	ng/u1	100
77) Carbazole	17.321	167	441423	7.413	ng/u1	99
80) Fluoranthene	18.986	202	8847605	108.295	ng/u1	98
82) Pyrene	19.351	202	6169098	70.178	ng/u1	98
85) Benzo(a)anthracene	21.127	228	2976955	34.634	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.074	149	146635	3.371	ng/u1#	100
87) Chrysene	21.186	228	3906831	48.943	ng/u1	98
90) Benzo(b)fluoranthene	23.068	252	5106626	59.749	ng/u1	99
91) Benzo(k)fluoranthene	23.115	252	1663278	19.259	ng/u1	98
93) Benzo(a)pyrene	23.797	252	1738708	21.686	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	27.027	276	1760206	17.713	ng/u1	99
95) Dibenzo(a,h)anthracene	27.062	278	583517	7.246	ng/u1	93
96) Benzo(g,h,i)perylene	27.985	276	220234	2.915	ng/u1	96

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

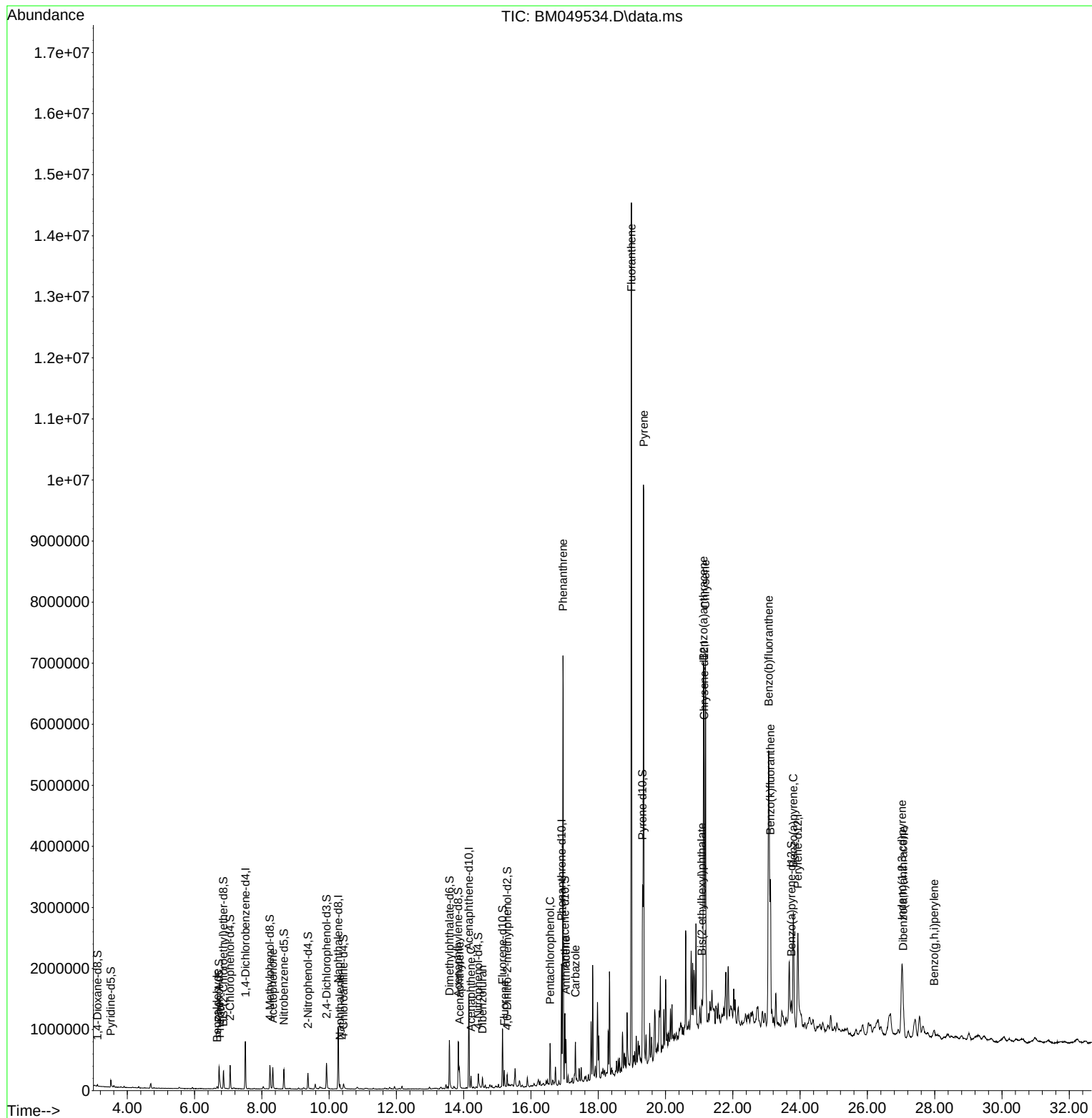
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049534.D
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Operator : RC/JU
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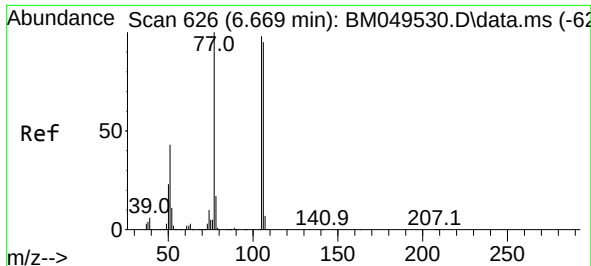
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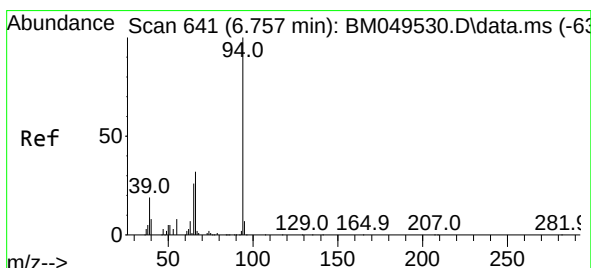
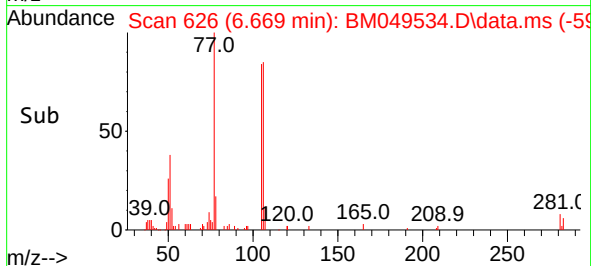
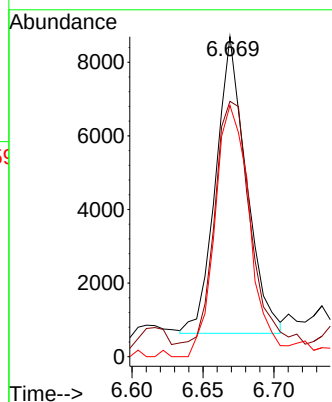
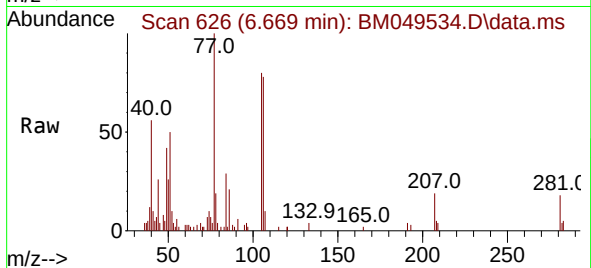
#6
Benzaldehyde
Concen: 1.250 ng/ul
RT: 6.669 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049534.D
Acq: 30 Jan 2025 19:50

Instrument :
BNA_M
ClientSampleId :
A44Q5

Tgt Ion: 77 Resp: 12099
Ion Ratio Lower Upper
77 100
105 79.8 74.2 111.4
106 78.5 72.7 109.1

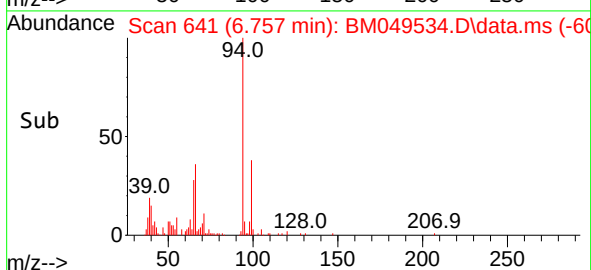
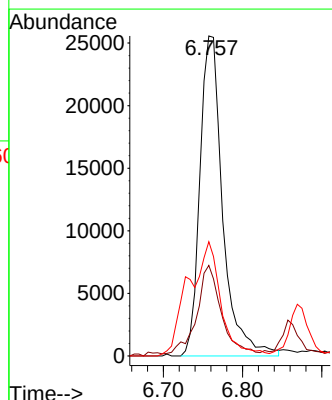
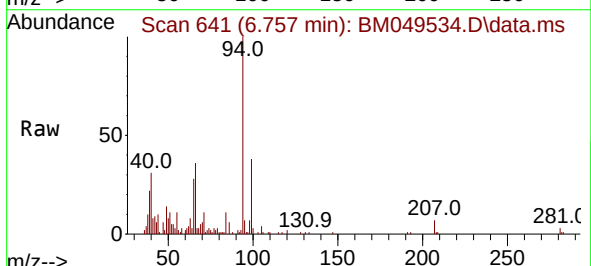
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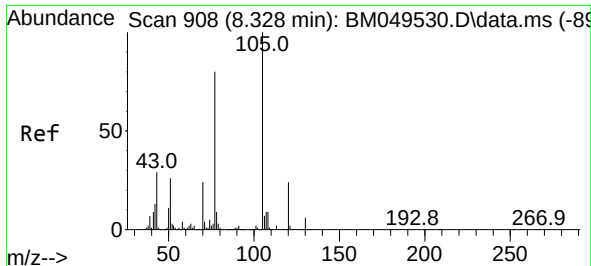
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025



#8
Phenol
Concen: 2.761 ng/ul m
RT: 6.757 min Scan# 641
Delta R.T. 0.023 min
Lab File: BM049534.D
Acq: 30 Jan 2025 19:50

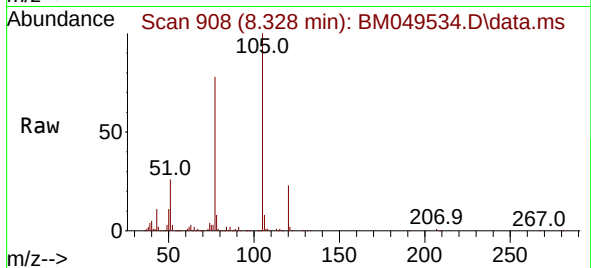
Tgt Ion: 94 Resp: 51081
Ion Ratio Lower Upper
94 100
65 28.3 23.4 35.0
66 35.7 27.8 41.8





#16
Acetophenone
Concen: 9.044 ng/ul
RT: 8.328 min Scan# 908
Delta R.T. -0.000 min
Lab File: BM049534.D
Acq: 30 Jan 2025 19:50

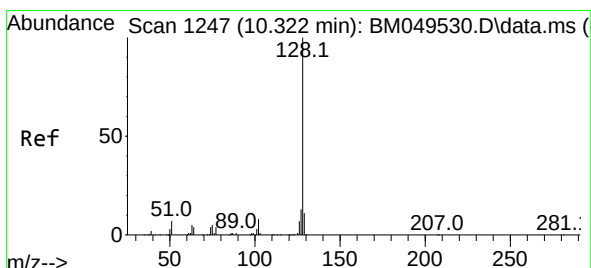
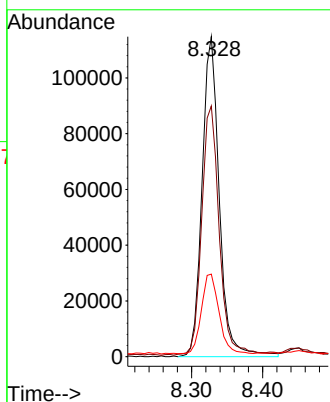
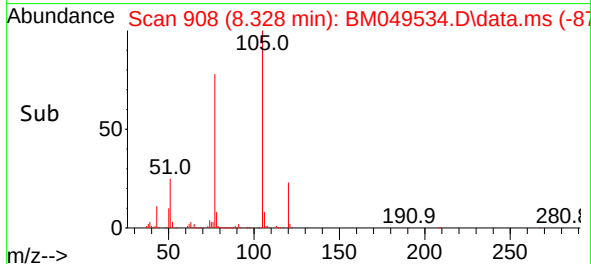
Instrument :
BNA_M
ClientSampleId :
A44Q5



Tgt Ion:105 Resp: 194190
Ion Ratio Lower Upper
105 100
77 78.4 64.6 97.0
51 25.8 23.3 34.9

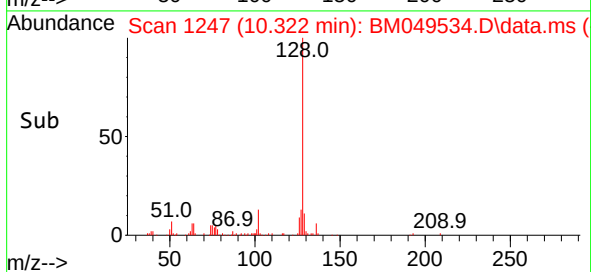
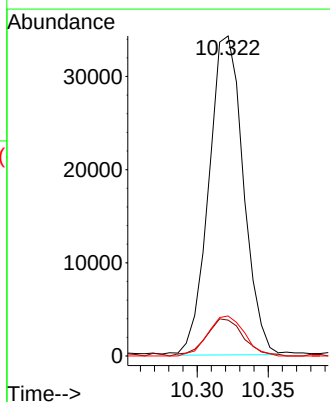
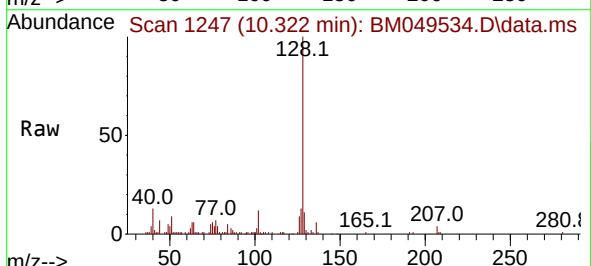
Manual Integrations
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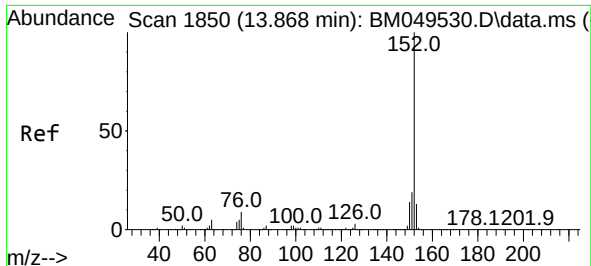
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025



#30
Naphthalene
Concen: 1.321 ng/ul
RT: 10.322 min Scan# 1247
Delta R.T. -0.000 min
Lab File: BM049534.D
Acq: 30 Jan 2025 19:50

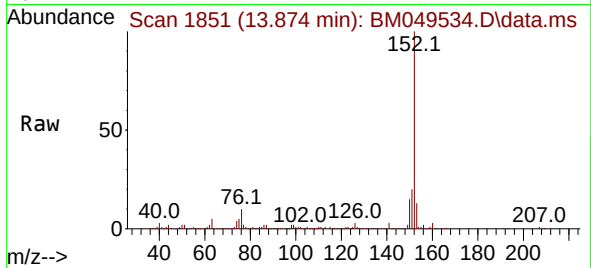
Tgt Ion:128 Resp: 57949
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 12.5 10.6 15.8





#50
Acenaphthylene
Concen: 5.300 ng/u1
RT: 13.874 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049534.D
Acq: 30 Jan 2025 19:50

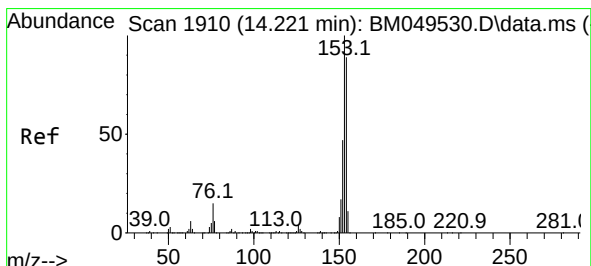
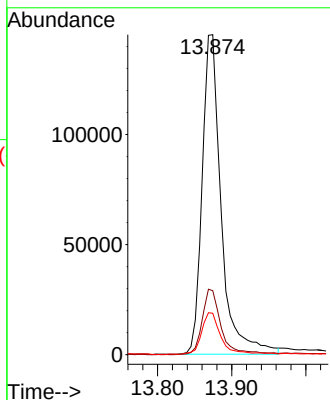
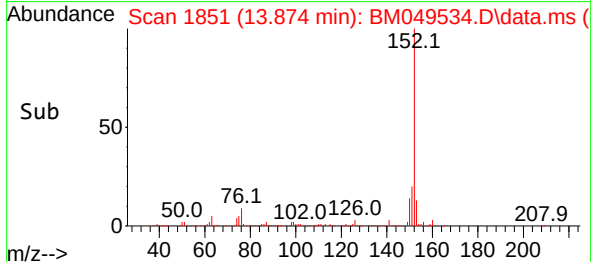
Instrument :
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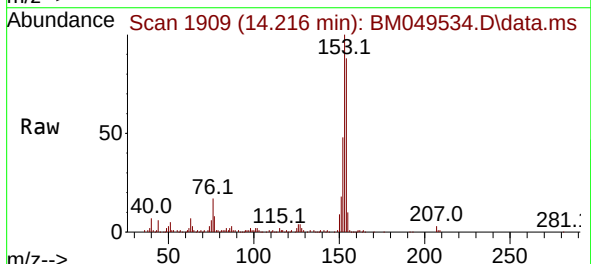
Tgt Ion:152 Resp: 259870
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 13.0 10.4 15.6

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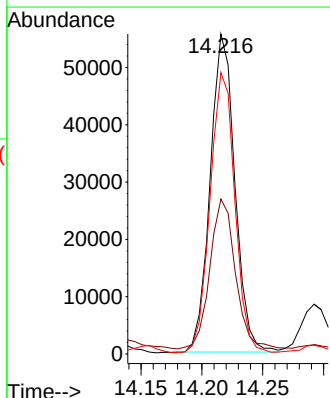
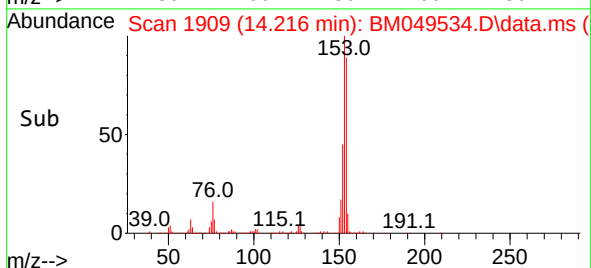
Reviewed By :Jagrut Upadhyay 01/31/2025
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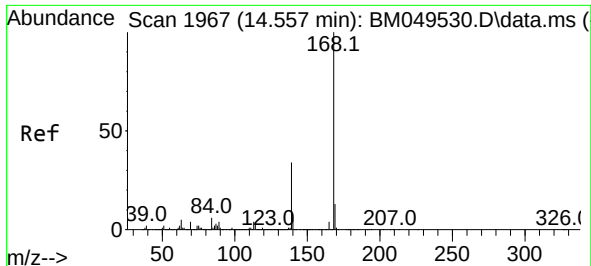


#52
Acenaphthene
Concen: 2.239 ng/u1
RT: 14.216 min Scan# 1909
Delta R.T. -0.000 min
Lab File: BM049534.D
Acq: 30 Jan 2025 19:50



Tgt Ion:153 Resp: 78395
Ion Ratio Lower Upper
153 100
152 48.4 39.0 58.4
154 87.9 71.5 107.3





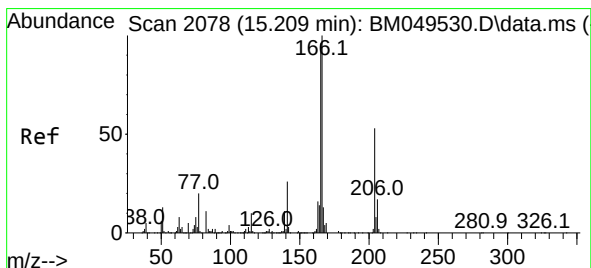
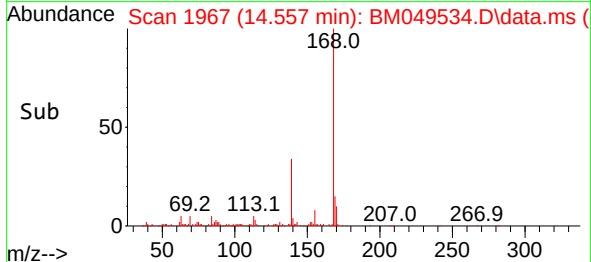
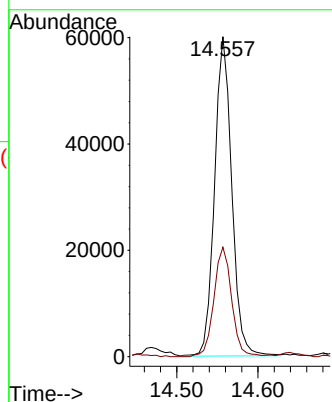
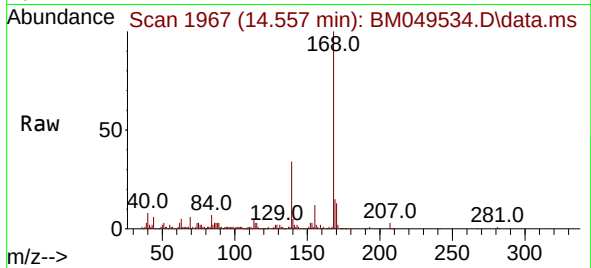
#56
Dibenzenofuran
Concen: 1.771 ng/ul
RT: 14.557 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BM049534.D
Acq: 30 Jan 2025 19:50

Instrument :
BNA_M
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A44Q5

Tgt Ion:168 Resp: 8841
Ion Ratio Lower Upper
168 100
139 34.2 27.4 41.0

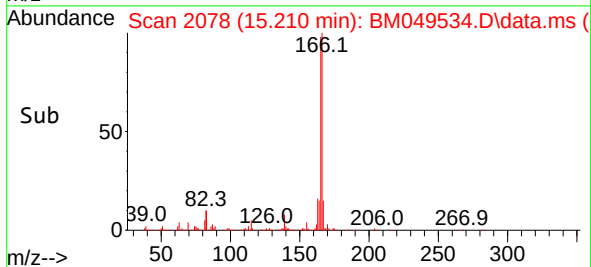
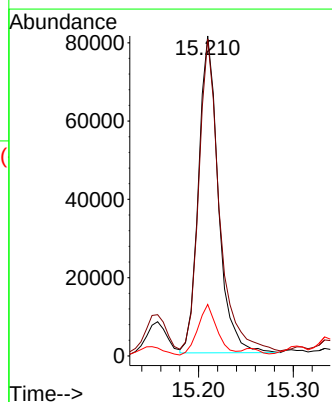
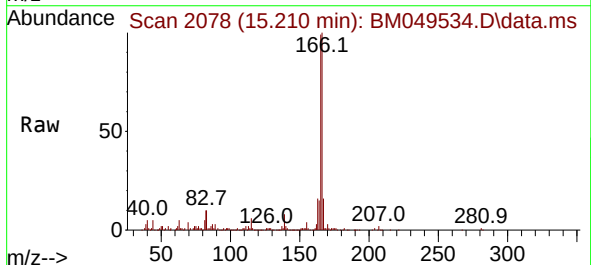
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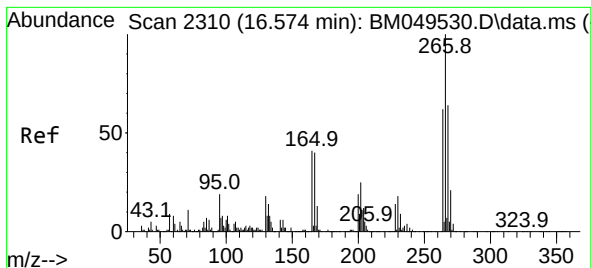
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025



#61
Fluorene
Concen: 2.922 ng/ul
RT: 15.210 min Scan# 2078
Delta R.T. -0.000 min
Lab File: BM049534.D
Acq: 30 Jan 2025 19:50

Tgt Ion:166 Resp: 117880
Ion Ratio Lower Upper
166 100
165 99.0 78.5 117.7
167 16.1 10.7 16.1#





#71

Pentachlorophenol

Concen: 5.151 ng/ul

RT: 16.574 min Scan# 21

Delta R.T. 0.012 min

Lab File: BM049534.D

Acq: 30 Jan 2025 19:50

Instrument :

BNA_M

ClientSampleId :

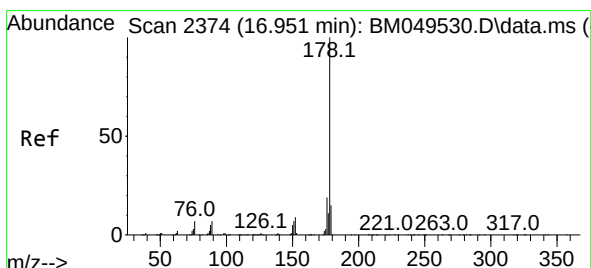
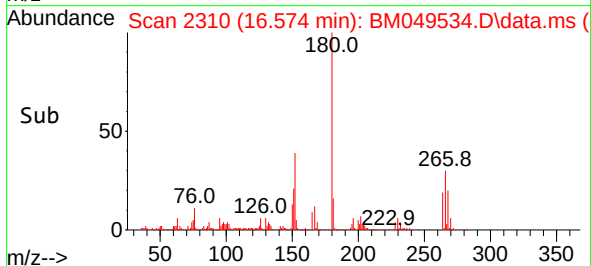
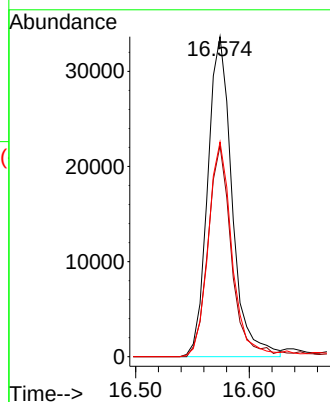
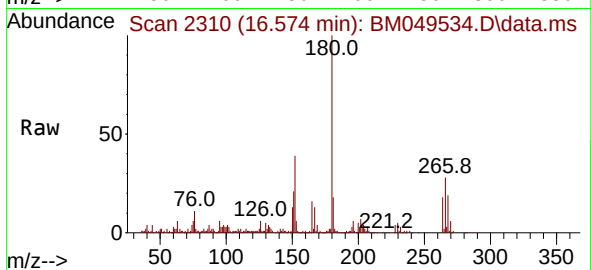
A44Q5

Tgt Ion:266 Resp: 5025
 Ion Ratio Lower Upper
 266 100
 264 66.0 50.5 75.7
 268 67.1 52.0 78.0

Manual Integrations

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#72

Phenanthrene

Concen: 64.739 ng/ul

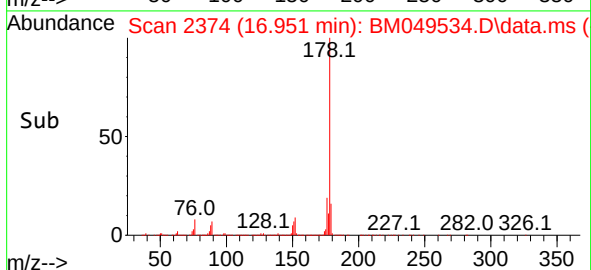
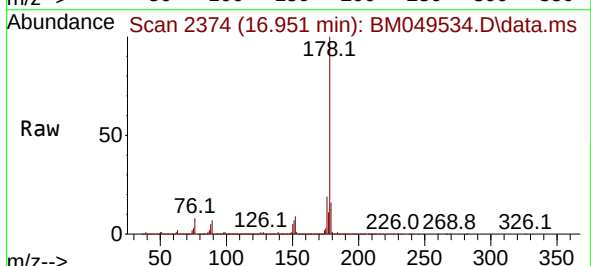
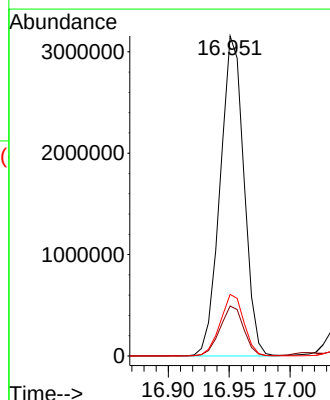
RT: 16.951 min Scan# 2374

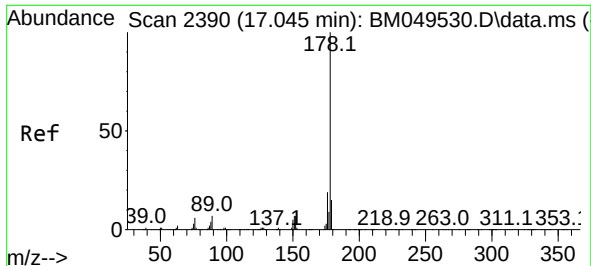
Delta R.T. 0.006 min

Lab File: BM049534.D

Acq: 30 Jan 2025 19:50

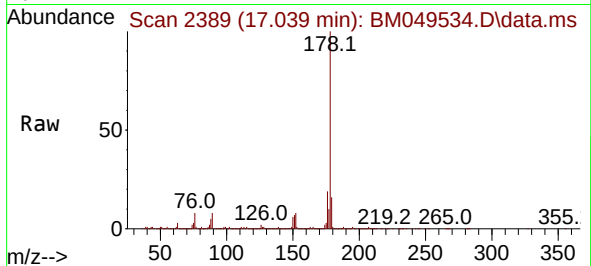
Tgt Ion:178 Resp: 4282390
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.4 18.6
 176 19.3 15.6 23.4





#74
 Anthracene
 Concen: 7.435 ng/ul
 RT: 17.039 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM049534.D
 Acq: 30 Jan 2025 19:50

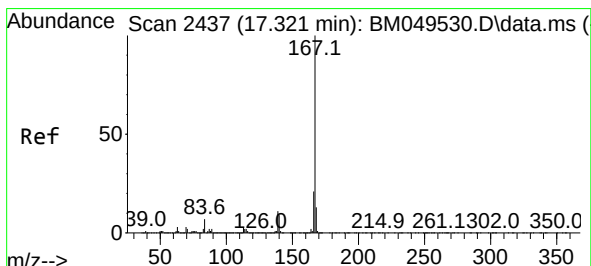
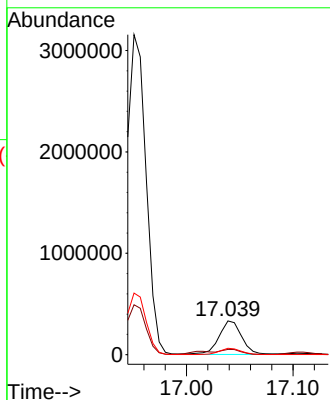
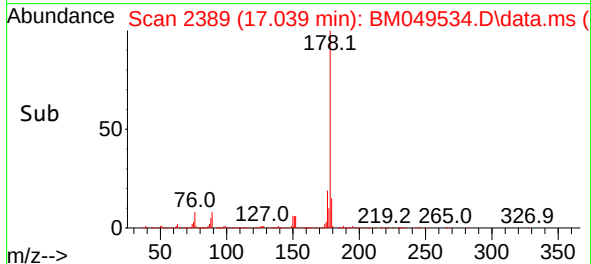
Instrument :
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Tgt Ion:178 Resp: 49537
 Ion Ratio Lower Upper
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 179 15.5 12.2 18.4
 176 18.9 15.0 22.4

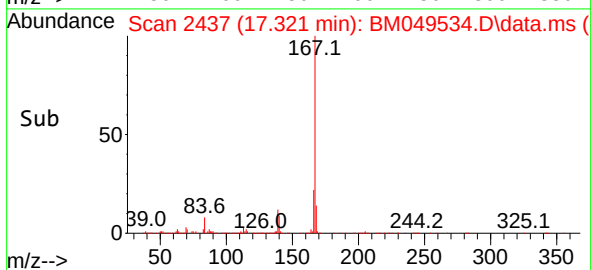
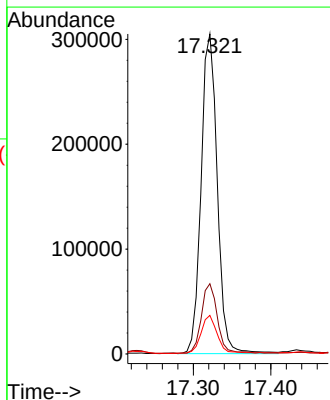
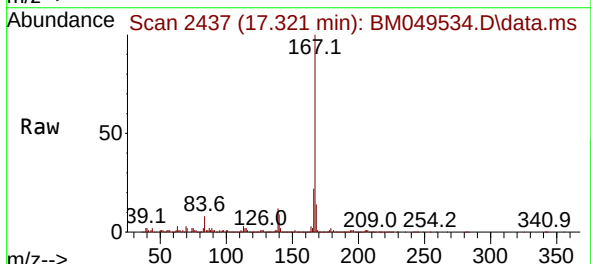
Manual Integrations
 APPROVED

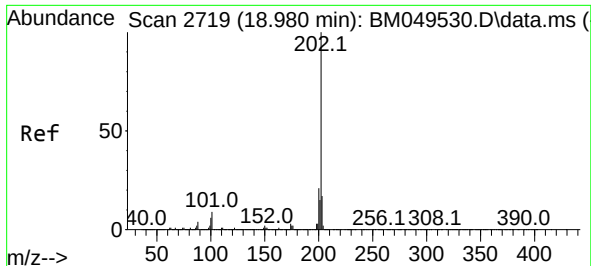
Reviewed By :Jagrut Upadhyay 01/31/2025
 Supervised By :mohammad ahmed 02/04/2025



#77
 Carbazole
 Concen: 7.413 ng/ul
 RT: 17.321 min Scan# 2437
 Delta R.T. 0.006 min
 Lab File: BM049534.D
 Acq: 30 Jan 2025 19:50

Tgt Ion:167 Resp: 441423
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.2 25.8
 139 12.1 9.3 13.9





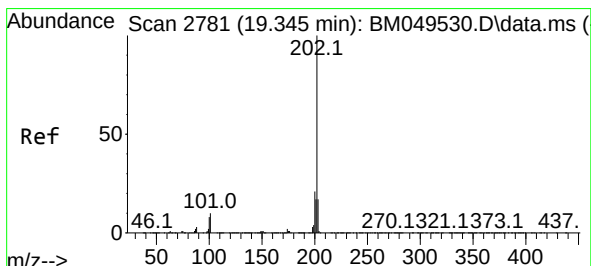
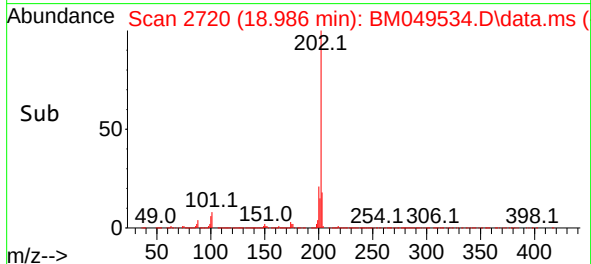
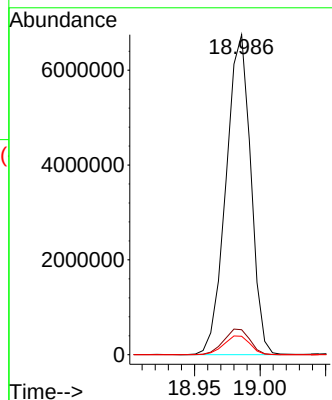
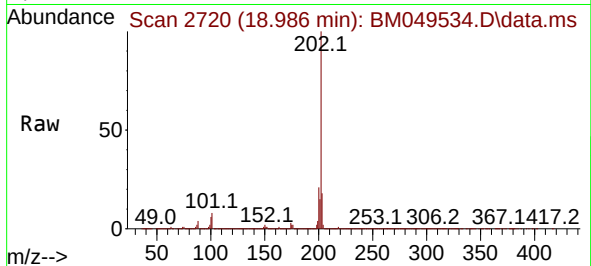
#80
Fluoranthene
Concen: 108.295 ng/u1
RT: 18.986 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM049534.D
Acq: 30 Jan 2025 19:50

Instrument :
BNA_M
ClientSampleId :
A44Q5

Tgt Ion:202 Resp: 8847609
Ion Ratio Lower Upper
202 100
101 7.8 6.9 10.3
100 5.7 5.1 7.7

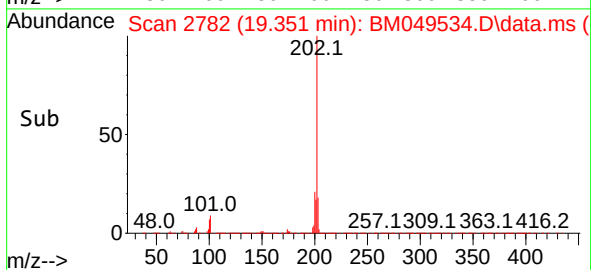
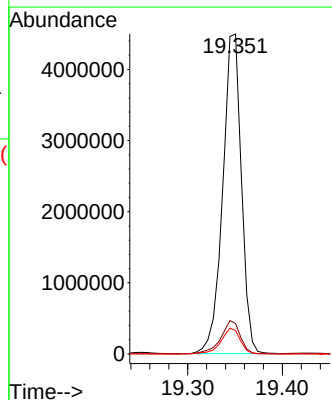
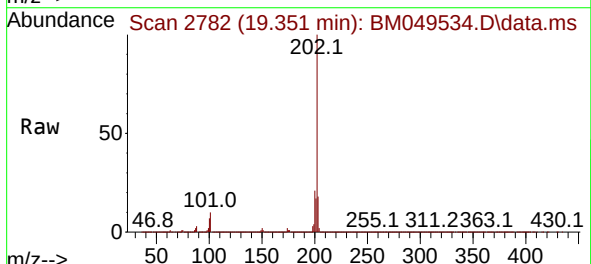
Manual Integrations
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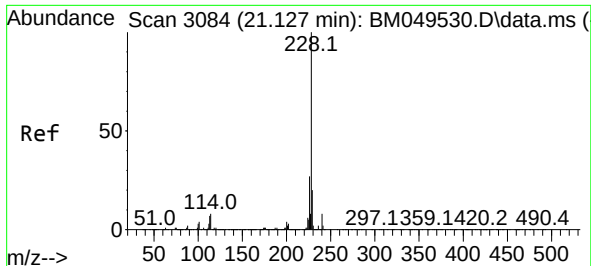
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025



#82
Pyrene
Concen: 70.178 ng/u1
RT: 19.351 min Scan# 2782
Delta R.T. 0.012 min
Lab File: BM049534.D
Acq: 30 Jan 2025 19:50

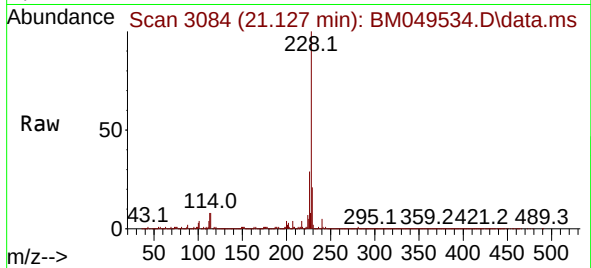
Tgt Ion:202 Resp: 6169098
Ion Ratio Lower Upper
202 100
101 9.5 8.3 12.5
100 7.3 6.6 9.8





#85
Benzo(a)anthracene
Concen: 34.634 ng/ul
RT: 21.127 min Scan# 3084
Delta R.T. 0.012 min
Lab File: BM049534.D
Acq: 30 Jan 2025 19:50

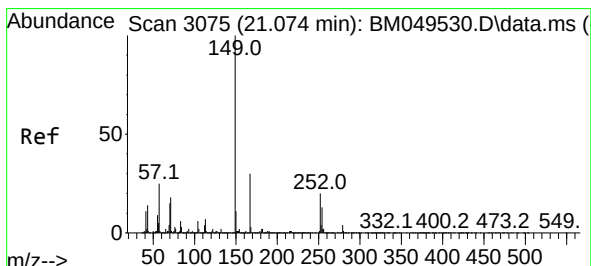
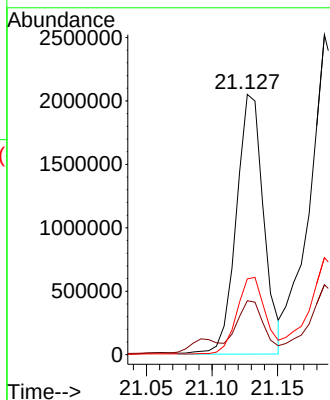
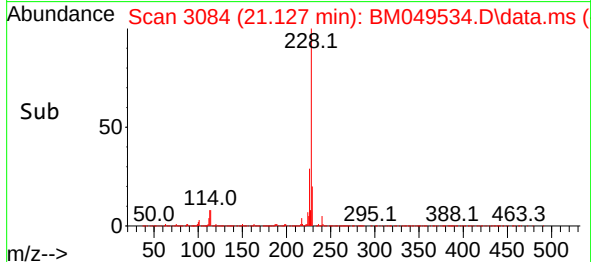
Instrument :
BNA_M
ClientSampleId :
A44Q5



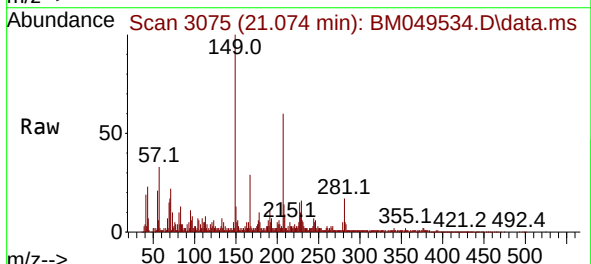
Tgt Ion:228 Resp: 297695
Ion Ratio Lower Upper
228 100
229 20.7 15.7 23.5
226 29.2 22.1 33.1

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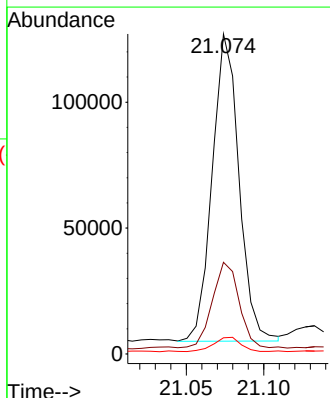
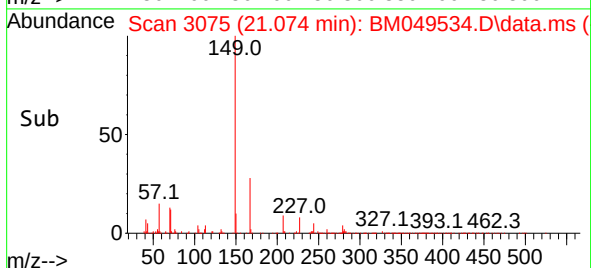
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025

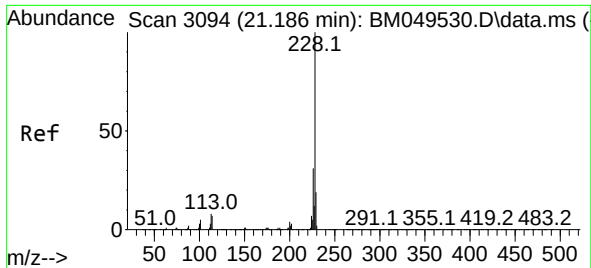


#86
Bis(2-ethylhexyl)phthalate
Concen: 3.371 ng/ul
RT: 21.074 min Scan# 3075
Delta R.T. -0.000 min
Lab File: BM049534.D
Acq: 30 Jan 2025 19:50



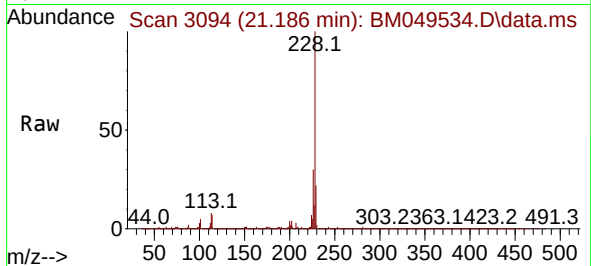
Tgt Ion:149 Resp: 146635
Ion Ratio Lower Upper
149 100
167 28.7 23.0 34.4
279 5.0 3.3 4.9#





#87
Chrysene
Concen: 48.943 ng/ul
RT: 21.186 min Scan# 3094
Delta R.T. 0.012 min
Lab File: BM049534.D
Acq: 30 Jan 2025 19:50

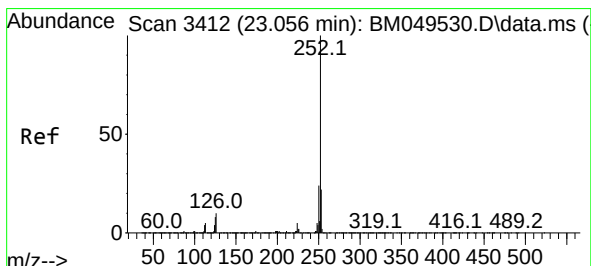
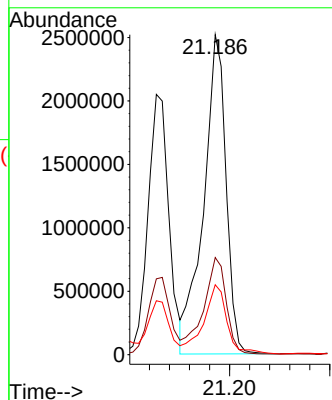
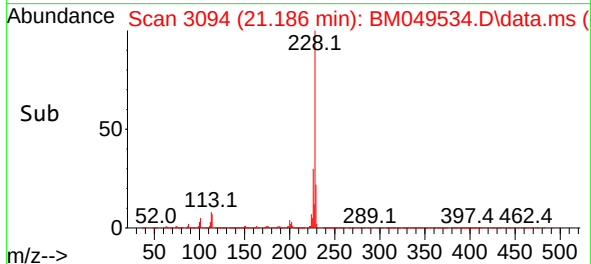
Instrument :
BNA_M
ClientSampleId :
A44Q5



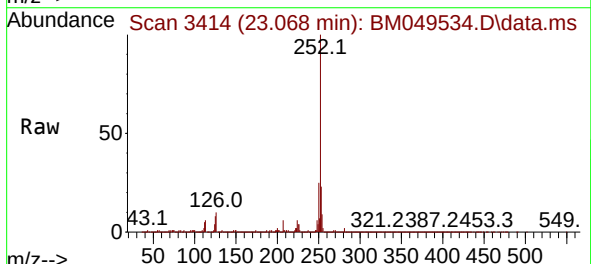
Tgt Ion:228 Resp: 390683
Ion Ratio Lower Upper
228 100
226 30.3 24.6 37.0
229 21.9 15.9 23.9

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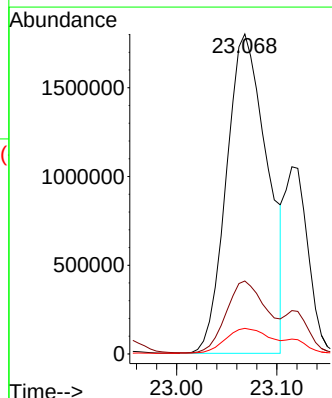
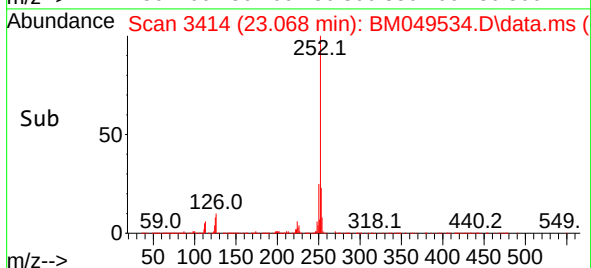
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025

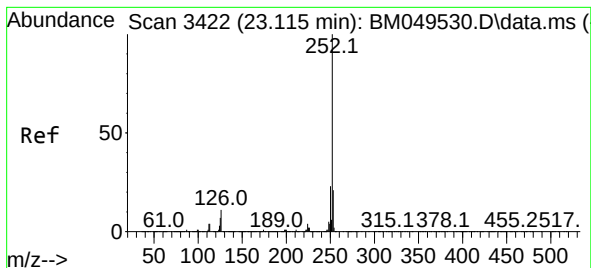


#90
Benzo(b)fluoranthene
Concen: 59.749 ng/ul
RT: 23.068 min Scan# 3414
Delta R.T. 0.023 min
Lab File: BM049534.D
Acq: 30 Jan 2025 19:50



Tgt Ion:252 Resp: 5106626
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 8.0 6.3 9.5





#91

Benzo(k)fluoranthene

Concen: 19.259 ng/u1

RT: 23.115 min Scan# 3422

Delta R.T. 0.018 min

Lab File: BM049534.D

Acq: 30 Jan 2025 19:50

Instrument :

BNA_M

ClientSampleId :

A44Q5

Tgt Ion:252 Resp: 1663278

Ion Ratio Lower Upper

252 100

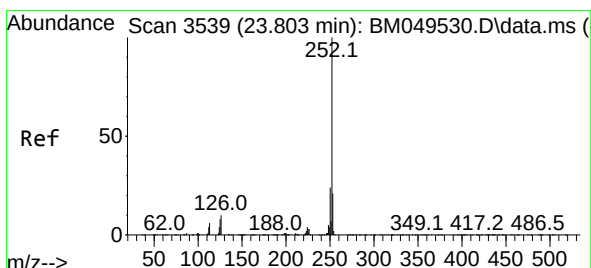
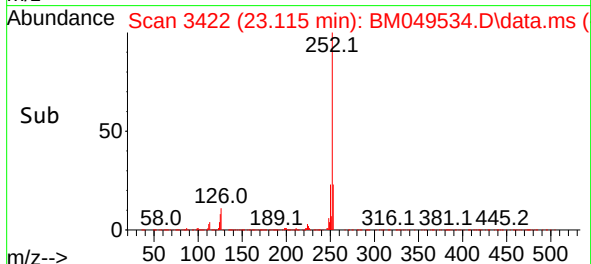
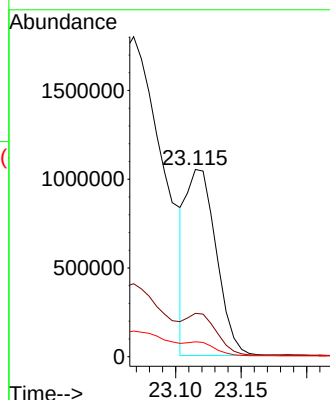
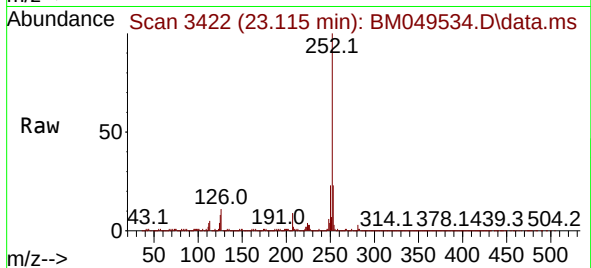
253 23.1 17.5 26.3

125 8.0 6.5 9.7

Manual Integrations

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



#93

Benzo(a)pyrene

Concen: 21.686 ng/u1

RT: 23.797 min Scan# 3538

Delta R.T. 0.018 min

Lab File: BM049534.D

Acq: 30 Jan 2025 19:50

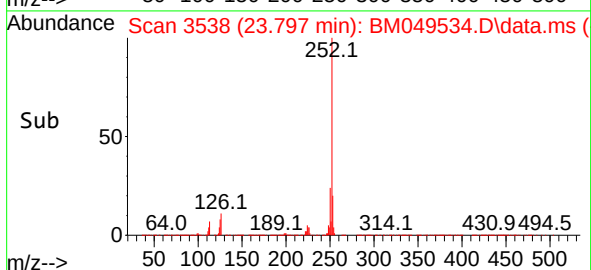
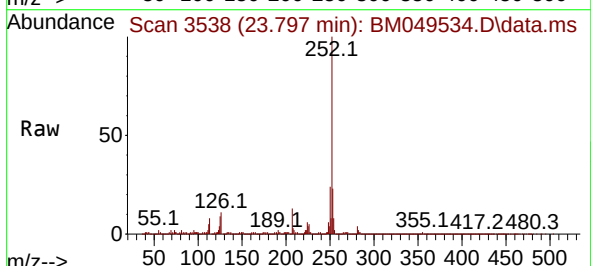
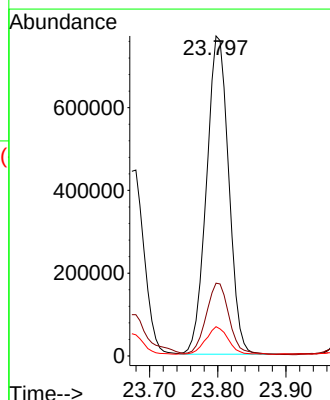
Tgt Ion:252 Resp: 1738708

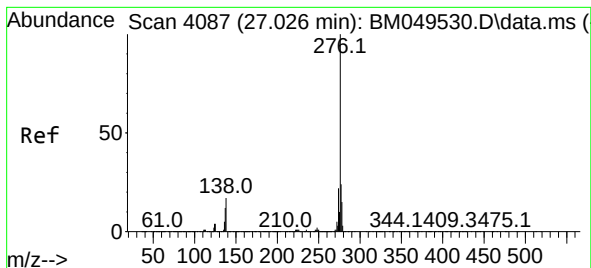
Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 9.1 7.0 10.6





#94

Indeno(1,2,3-cd)pyrene

Concen: 17.713 ng/ul

RT: 27.027 min Scan# 4087

Delta R.T. 0.035 min

Lab File: BM049534.D

Acq: 30 Jan 2025 19:50

Instrument :

BNA_M

ClientSampleId :

A44Q5

Tgt Ion:276 Resp: 1760200

Ion Ratio Lower Upper

276 100

138 17.1 13.8 20.6

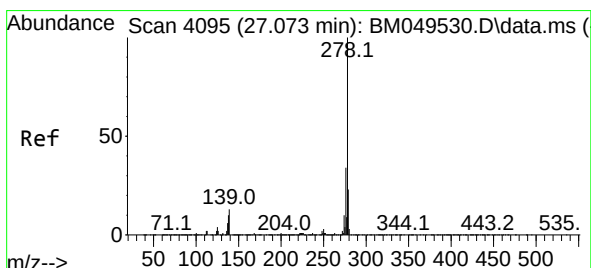
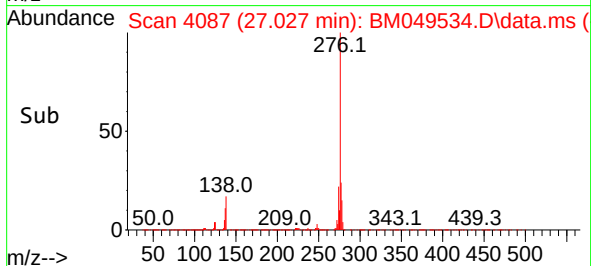
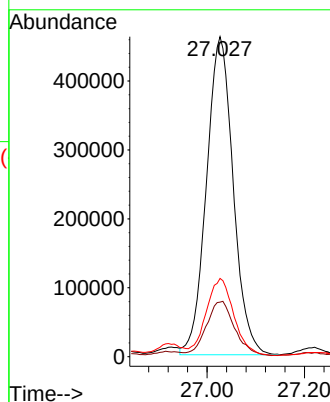
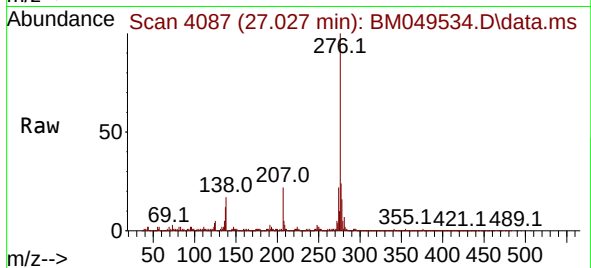
277 24.5 19.0 28.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/31/2025

Supervised By :mohammad ahmed 02/04/2025



#95

Dibenzo(a,h)anthracene

Concen: 7.246 ng/ul

RT: 27.062 min Scan# 4093

Delta R.T. 0.012 min

Lab File: BM049534.D

Acq: 30 Jan 2025 19:50

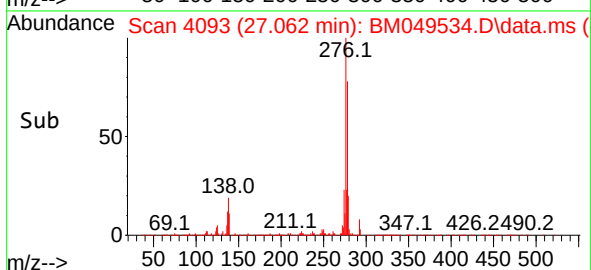
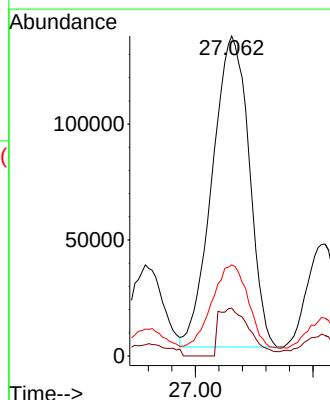
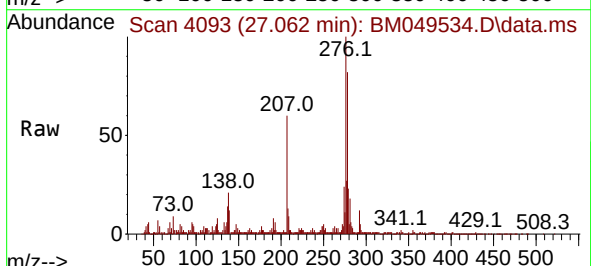
Tgt Ion:278 Resp: 583517

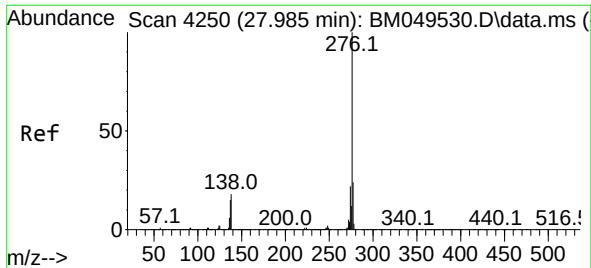
Ion Ratio Lower Upper

278 100

139 15.0 10.5 15.7

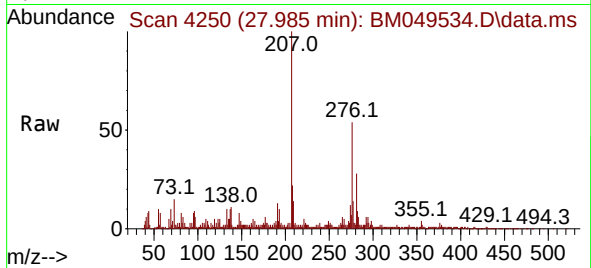
279 28.4 19.3 28.9





#96
 Benzo(g,h,i)perylene
 Concen: 2.915 ng/ul
 RT: 27.985 min Scan# 41
 Delta R.T. 0.035 min
 Lab File: BM049534.D
 Acq: 30 Jan 2025 19:50

Instrument :
 BNA_M
 ClientSampleId :
 A44Q5



Tgt Ion:276 Resp: 220234
 Ion Ratio Lower Upper
 276 100
 138 19.8 14.1 21.1
 277 25.4 19.1 28.7

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

