

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
 Data File : BM049535.D
 Acq On : 30 Jan 2025 20:29
 Operator : RC/JU
 Sample : Q1189-02DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A44Q5DL

Quant Time: Jan 31 10:08:05 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.510	152	239243	20.000	ng/u1	0.00
20) Naphthalene-d8	10.269	136	905831	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.151	164	597420	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.910	188	1264863	20.000	ng/u1	0.00
79) Chrysene-d12	21.145	240	1373153	20.000	ng/u1	0.01
88) Perylene-d12	23.927	264	1483282	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.110	96	5923	0.917	ng/uL	-0.01
4) Pyridine-d5	3.516	84	32257	1.700	ng/u1	0.00
7) Phenol-d5	6.728	99	114539	5.900	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	6.857	67	71104	5.356	ng/u1	0.00
11) 2-Chlorophenol-d4	7.057	132	94188	6.270	ng/u1	0.00
15) 4-Methylphenol-d8	8.245	113	77338	5.437	ng/u1	0.02
21) Nitrobenzene-d5	8.657	128	41830	6.036	ng/u1	0.00
24) 2-Nitrophenol-d4	9.369	143	46308	6.126	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.928	165	91038	5.902	ng/u1	0.02
31) 4-Chloroaniline-d4	10.428	131	44656m	2.257	ng/u1	0.00
46) Dimethylphthalate-d6	13.574	166	280157	6.396	ng/u1	0.00
49) Acenaphthylene-d8	13.839	160	265510	5.159	ng/u1	0.00
54) 4-Nitrophenol-d4	14.439	143	34266m	4.769	ng/u1	0.06
60) Fluorene-d10	15.157	176	197836	5.136	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.004	188	323884	5.128	ng/u1	0.00
81) Pyrene-d10	19.315	212	333314	4.152	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.739	264	207537	2.623	ng/u1	0.01
Target Compounds						
					Qvalue	
8) Phenol	6.757	94	26597m	1.305	ng/u1	
16) Acetophenone	8.328	105	100131	4.233	ng/u1	95
50) Acenaphthylene	13.874	152	141564	2.677	ng/u1	98
52) Acenaphthene	14.216	153	40129	1.063	ng/u1	92
61) Fluorene	15.210	166	60190	1.384	ng/u1#	98
71) Pentachlorophenol	16.574	266	24390	2.322	ng/u1	95
72) Phenanthrene	16.951	178	2191937	30.786	ng/u1	100
74) Anthracene	17.039	178	257012	3.584	ng/u1	99
77) Carbazole	17.321	167	222111	3.465	ng/u1	100
80) Fluoranthene	18.980	202	4759254	51.909	ng/u1	99
82) Pyrene	19.345	202	3313441	33.588	ng/u1	100
85) Benzo(a)anthracene	21.127	228	1628641	16.884	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.074	149	77848	1.595	ng/u1#	97
87) Chrysene	21.186	228	2095156	23.389	ng/u1	97
90) Benzo(b)fluoranthene	23.062	252	2725045	28.343	ng/u1	98
91) Benzo(k)fluoranthene	23.115	252	925143	9.523	ng/u1	98
93) Benzo(a)pyrene	23.797	252	938014	10.400	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	27.015	276	941622	8.423	ng/u1	98
95) Dibenzo(a,h)anthracene	27.050	278	316624m	3.495	ng/u1	
96) Benzo(g,h,i)perylene	27.974	276	117661	1.384	ng/u1	94

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

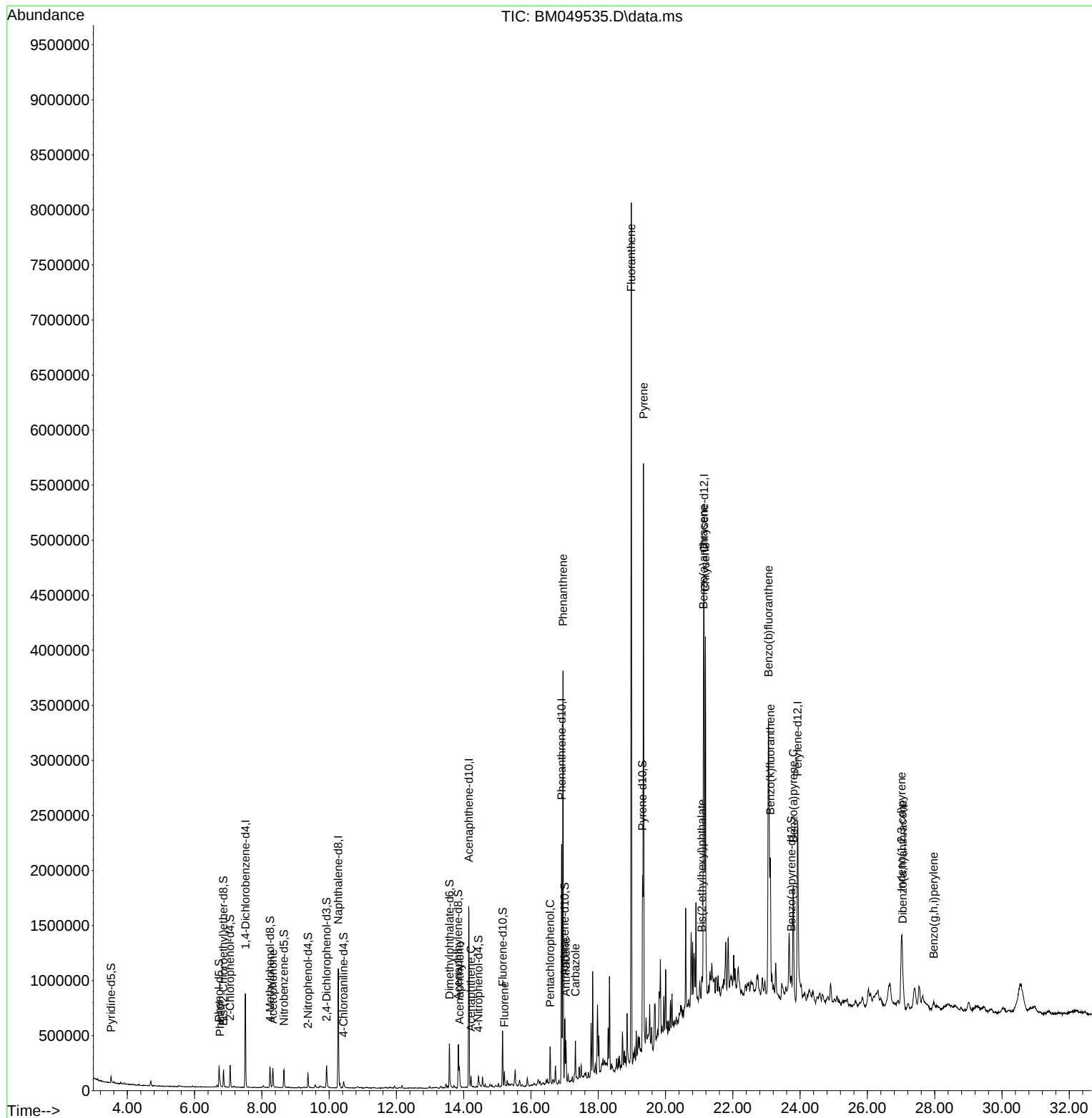
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049535.D
Acq On : 30 Jan 2025 20:29
Operator : RC/JU
Sample : Q1189-02DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

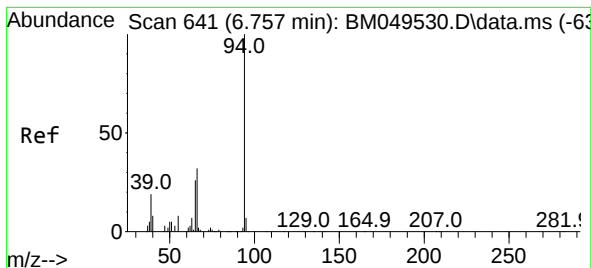
Instrument :
BNA_M
ClientSampleId :
A44Q5DL

Quant Time: Jan 31 10:08:05 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
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Supervised By :mohammad ahmed 02/04/2025





#8

Phenol

Concen: 1.305 ng/ul m

RT: 6.757 min Scan# 641

Delta R.T. 0.023 min

Lab File: BM049535.D

Acq: 30 Jan 2025 20:29

Instrument :

BNA_M

ClientSampleId :

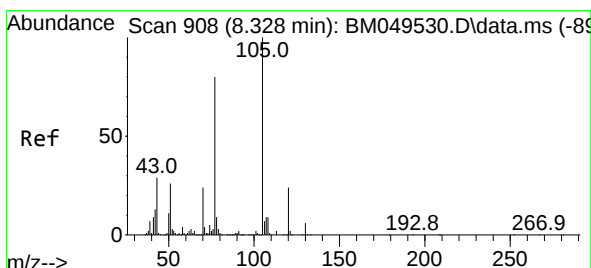
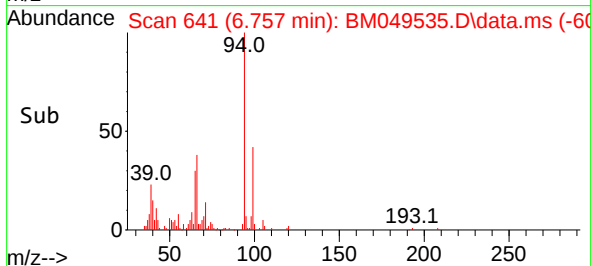
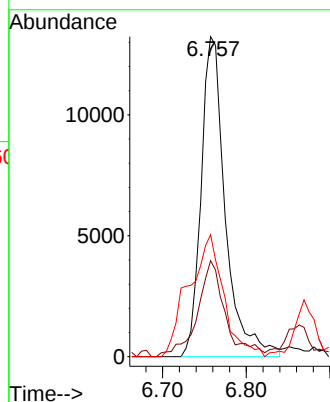
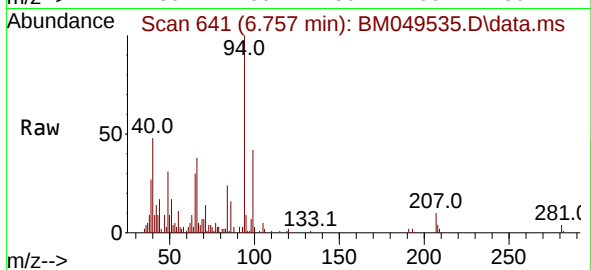
A44Q5DL

Tgt Ion:	94	Resp:	2659
Ion Ratio	Lower	Upper	
94	100		
65	30.0	23.4	35.0
66	38.1	27.8	41.8

Manual Integrations

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#16

Acetophenone

Concen: 4.233 ng/ul

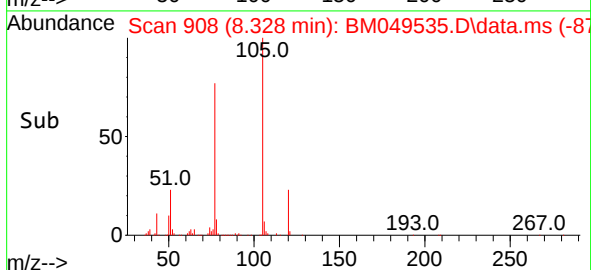
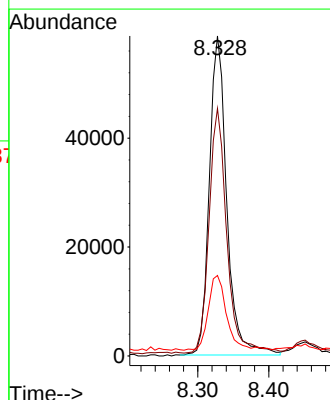
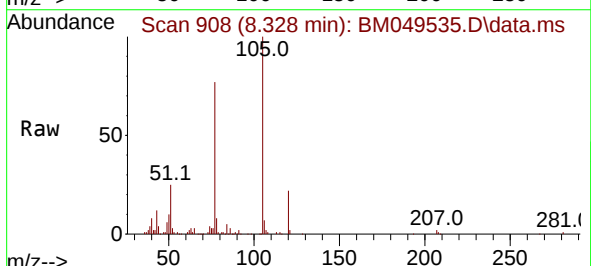
RT: 8.328 min Scan# 908

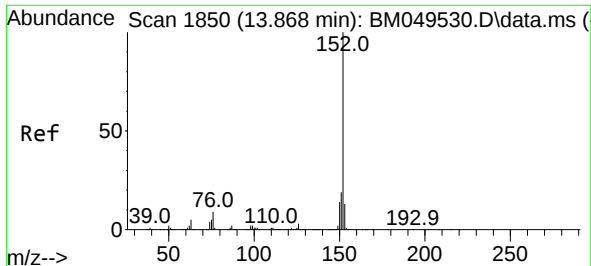
Delta R.T. -0.000 min

Lab File: BM049535.D

Acq: 30 Jan 2025 20:29

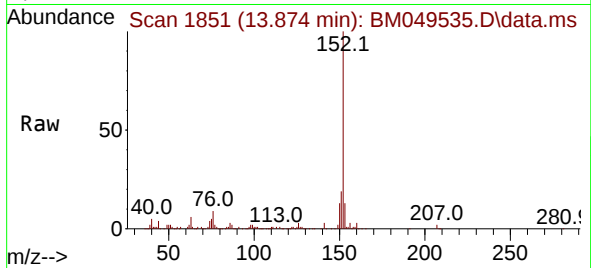
Tgt Ion:	105	Resp:	100131
Ion Ratio	Lower	Upper	
105	100		
77	77.3	64.6	97.0
51	25.1	23.3	34.9





#50
Acenaphthylene
Concen: 2.677 ng/ul
RT: 13.874 min Scan# 1851
Delta R.T. 0.006 min
Lab File: BM049535.D
Acq: 30 Jan 2025 20:29

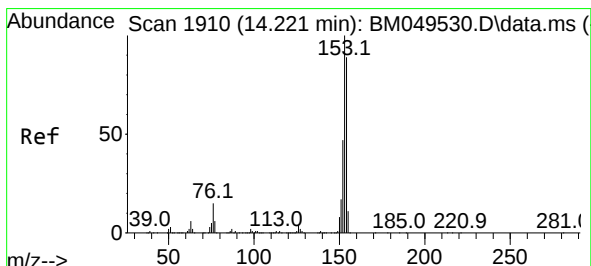
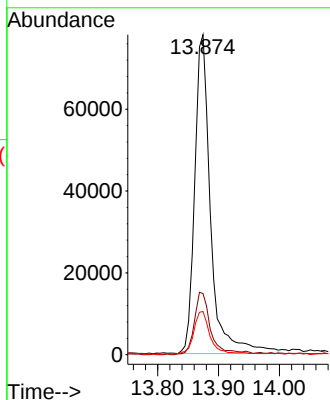
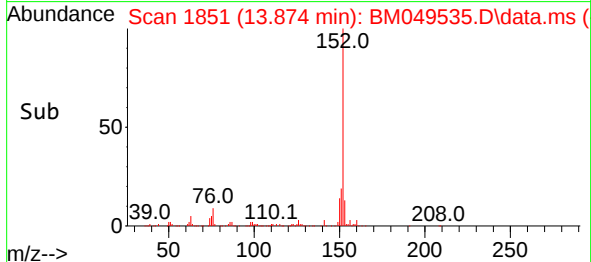
Instrument :
BNA_M
ClientSampleId :
A44Q5DL



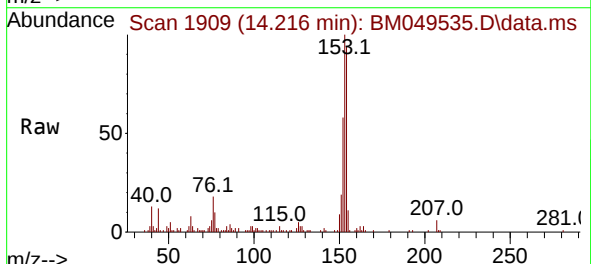
Tgt Ion:152 Resp: 141564
Ion Ratio Lower Upper
152 100
151 19.1 16.0 24.0
153 13.5 10.4 15.6

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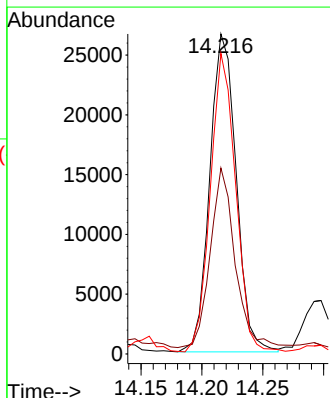
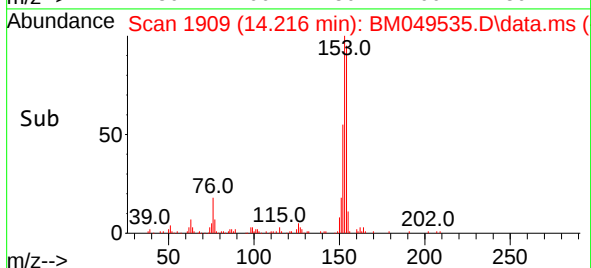
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025

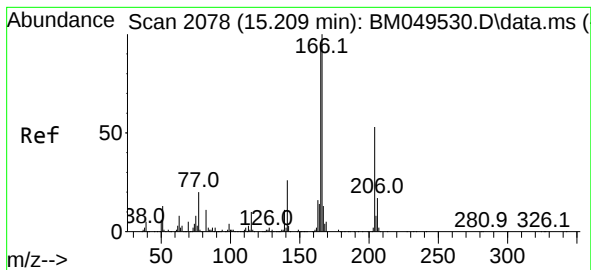


#52
Acenaphthene
Concen: 1.063 ng/ul
RT: 14.216 min Scan# 1909
Delta R.T. -0.000 min
Lab File: BM049535.D
Acq: 30 Jan 2025 20:29



Tgt Ion:153 Resp: 40129
Ion Ratio Lower Upper
153 100
152 58.1 39.0 58.4
154 93.9 71.5 107.3





#61

Fluorene

Concen: 1.384 ng/ul

RT: 15.210 min Scan# 2078

Delta R.T. -0.000 min

Lab File: BM049535.D

Acq: 30 Jan 2025 20:29

Instrument :

BNA_M

ClientSampleId :

A44Q5DL

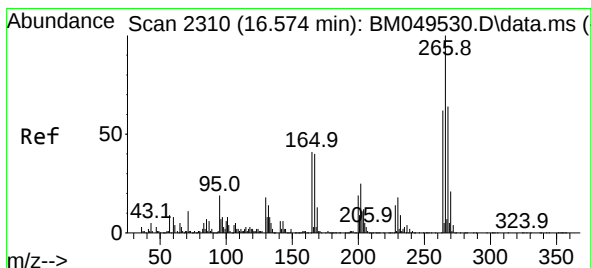
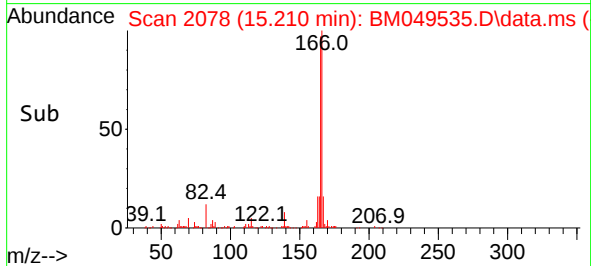
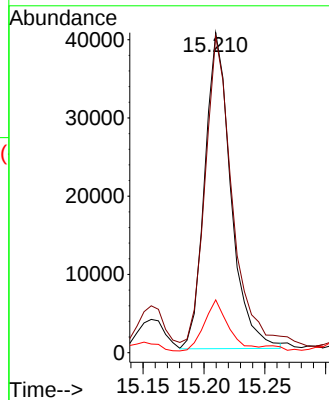
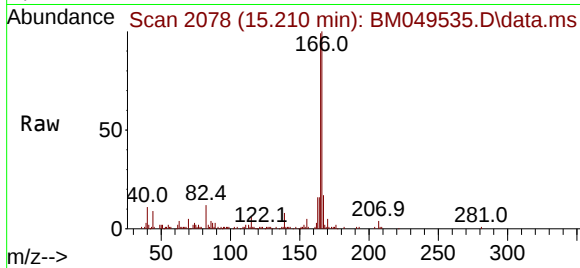
Tgt Ion:166 Resp: 60190

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.5	117.7
167	16.5	10.7	16.1

Manual Integrations

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#71

Pentachlorophenol

Concen: 2.322 ng/ul

RT: 16.574 min Scan# 2310

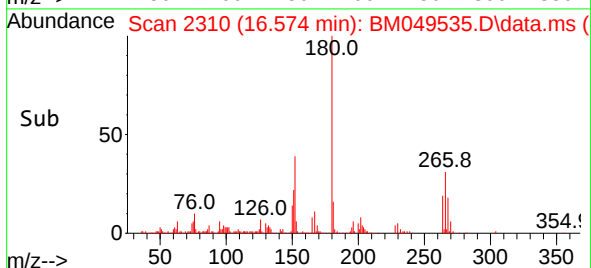
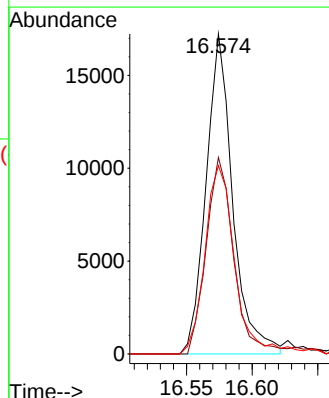
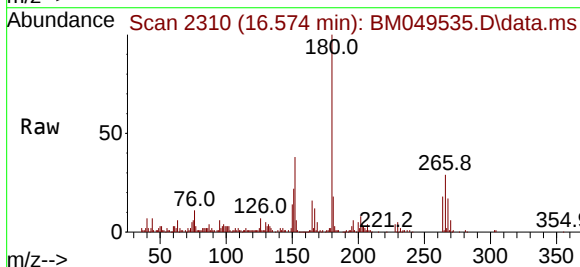
Delta R.T. 0.012 min

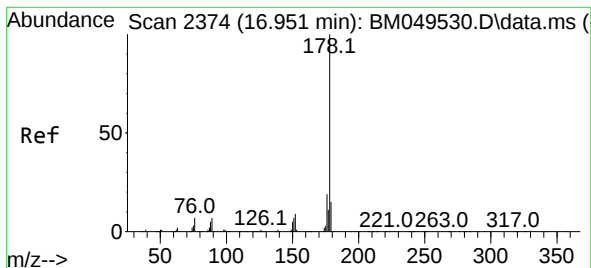
Lab File: BM049535.D

Acq: 30 Jan 2025 20:29

Tgt Ion:266 Resp: 24390

Ion	Ratio	Lower	Upper
266	100		
264	61.4	50.5	75.7
268	58.8	52.0	78.0





#72

Phenanthrene

Concen: 30.786 ng/u1

RT: 16.951 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM049535.D

Acq: 30 Jan 2025 20:29

Instrument :

BNA_M

ClientSampleId :

A44Q5DL

Tgt Ion:178 Resp: 219193

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

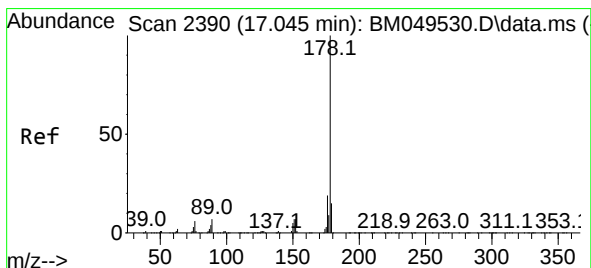
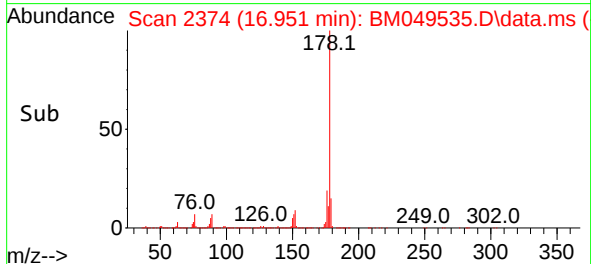
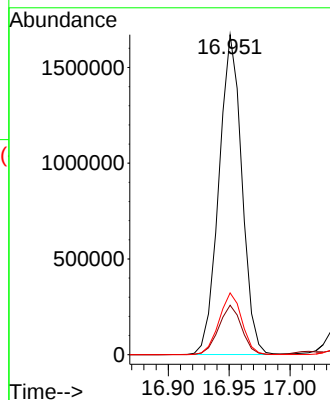
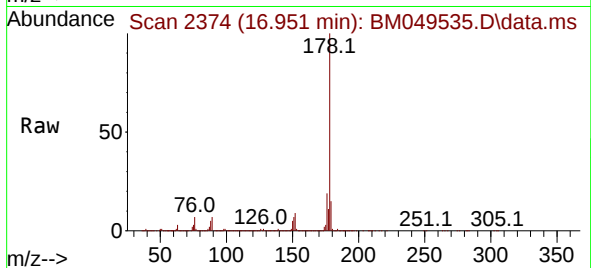
176 19.3 15.6 23.4

Manual Integrations

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Supervised By :mohammad ahmed 02/04/2025



#74

Anthracene

Concen: 3.584 ng/u1

RT: 17.039 min Scan# 2389

Delta R.T. -0.000 min

Lab File: BM049535.D

Acq: 30 Jan 2025 20:29

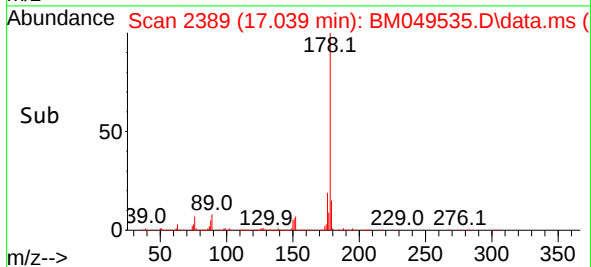
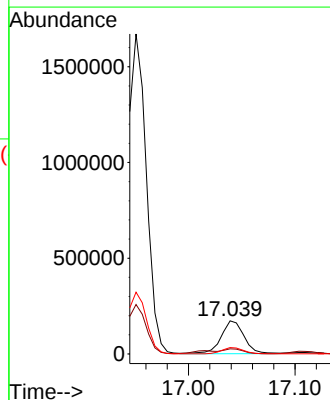
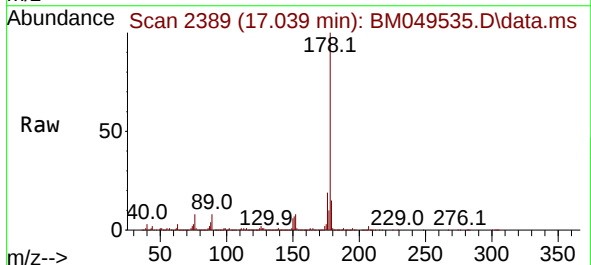
Tgt Ion:178 Resp: 257012

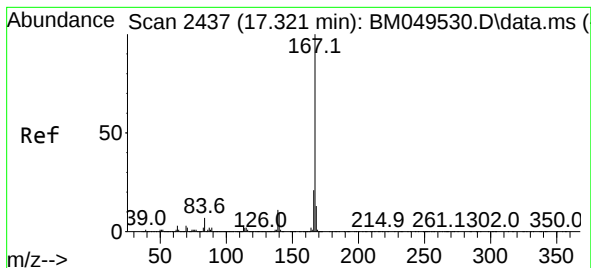
Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

176 19.2 15.0 22.4





#77

Carbazole

Concen: 3.465 ng/ul

RT: 17.321 min Scan# 2437

Delta R.T. 0.006 min

Lab File: BM049535.D

Acq: 30 Jan 2025 20:29

Instrument :

BNA_M

ClientSampleId :

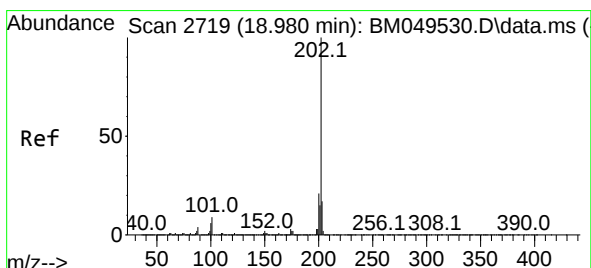
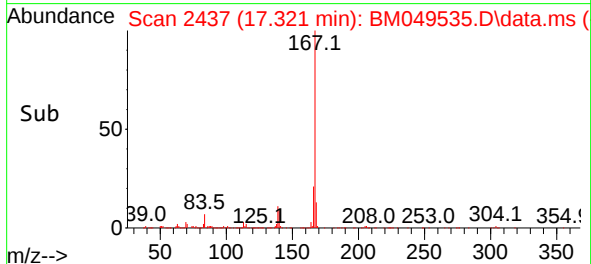
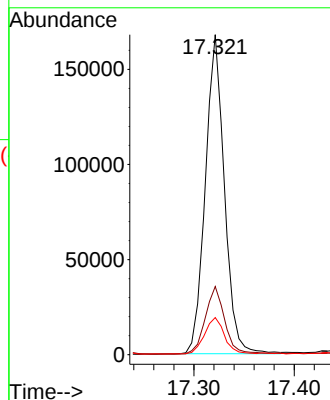
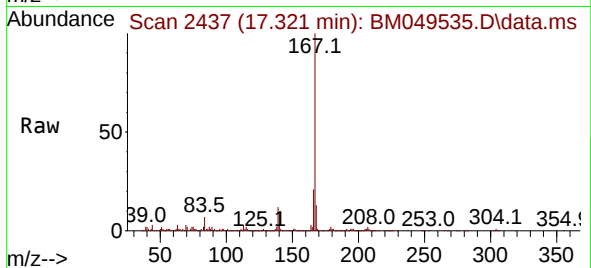
A44Q5DL

Tgt Ion:	167	Resp:	22211
Ion Ratio	Lower	Upper	
167	100		
166	21.3	17.2	25.8
139	11.6	9.3	13.9

Manual Integrations

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#80

Fluoranthene

Concen: 51.909 ng/ul

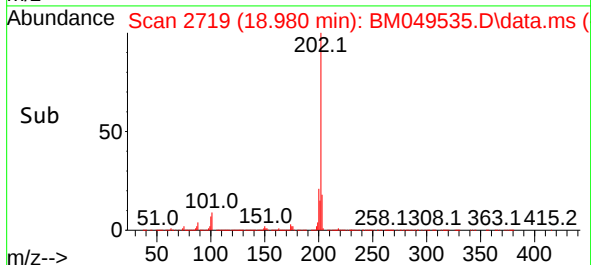
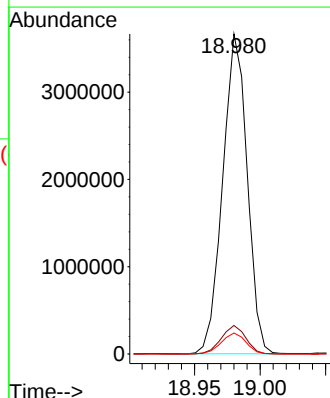
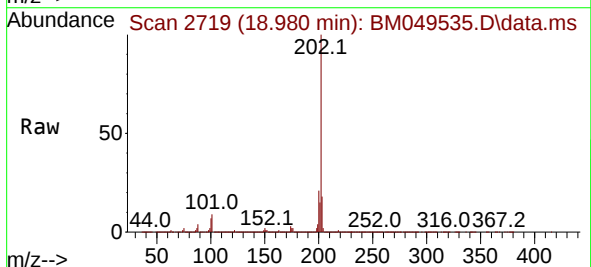
RT: 18.980 min Scan# 2719

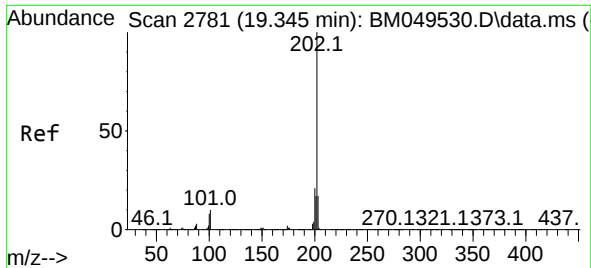
Delta R.T. 0.006 min

Lab File: BM049535.D

Acq: 30 Jan 2025 20:29

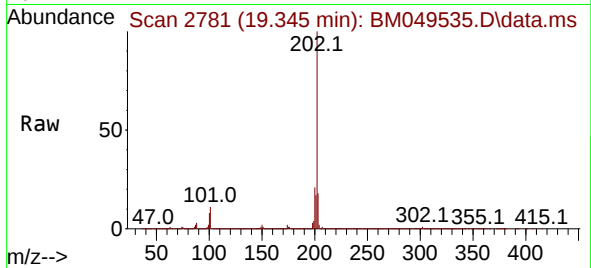
Tgt Ion:	202	Resp:	4759254
Ion Ratio	Lower	Upper	
202	100		
101	8.9	6.9	10.3
100	6.5	5.1	7.7





#82
Pyrene
Concen: 33.588 ng/ul
RT: 19.345 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM049535.D
Acq: 30 Jan 2025 20:29

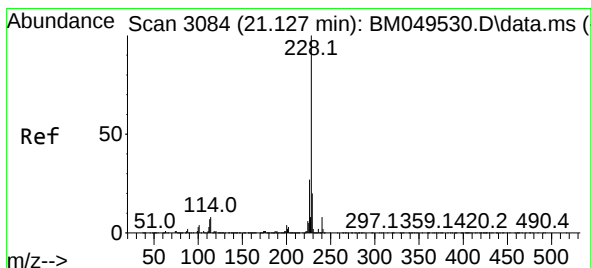
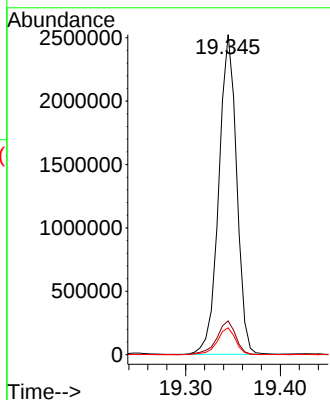
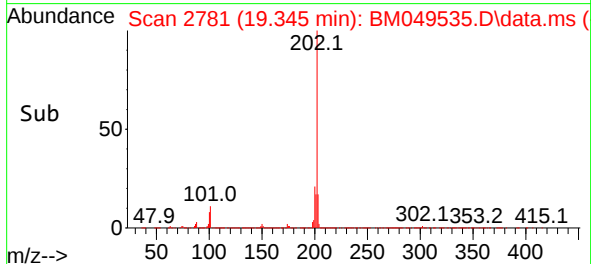
Instrument :
BNA_M
ClientSampleId :
A44Q5DL



Tgt Ion:202 Resp: 331344
Ion Ratio Lower Upper
202 100
101 10.6 8.3 12.5
100 8.4 6.6 9.8

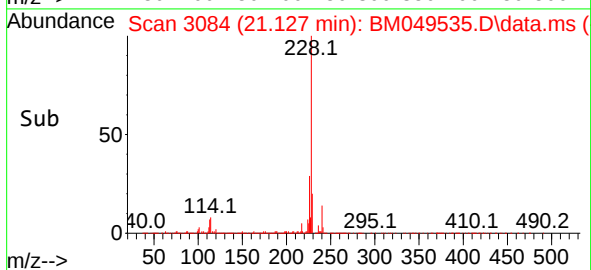
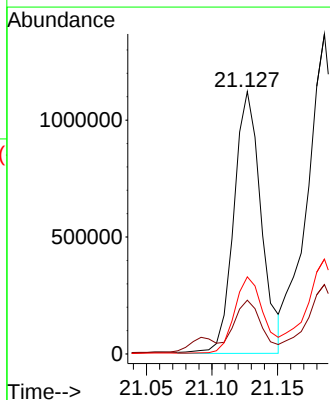
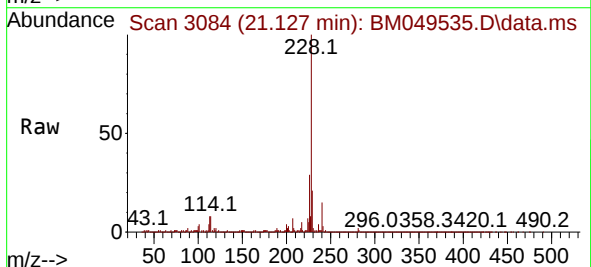
Manual Integrations
APPROVED

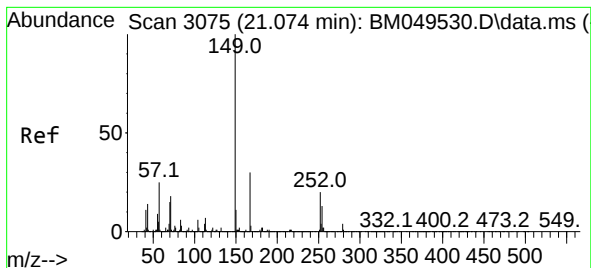
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025



#85
Benzo(a)anthracene
Concen: 16.884 ng/ul
RT: 21.127 min Scan# 3084
Delta R.T. 0.012 min
Lab File: BM049535.D
Acq: 30 Jan 2025 20:29

Tgt Ion:228 Resp: 1628641
Ion Ratio Lower Upper
228 100
229 20.5 15.7 23.5
226 29.4 22.1 33.1





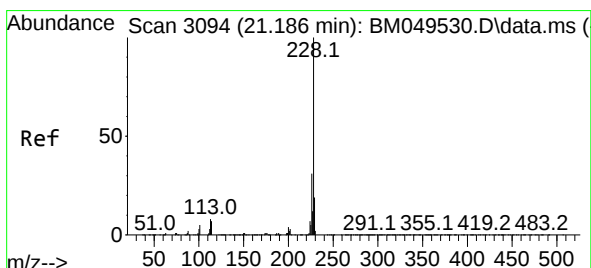
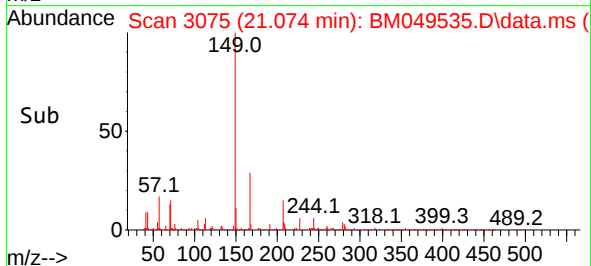
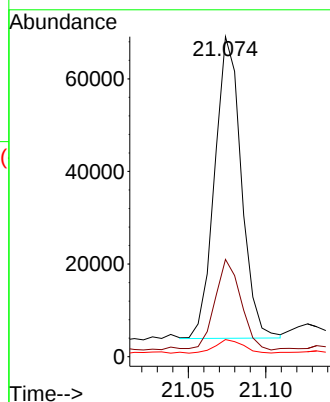
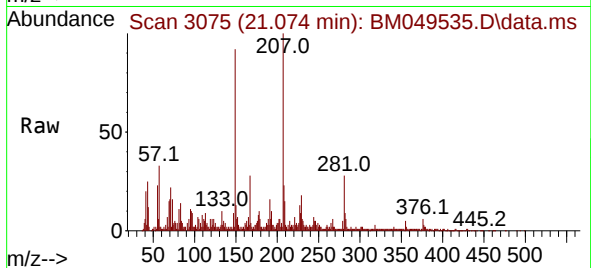
#86
Bis(2-ethylhexyl)phthalate
Concen: 1.595 ng/ul
RT: 21.074 min Scan# 3075
Delta R.T. -0.000 min
Lab File: BM049535.D
Acq: 30 Jan 2025 20:29

Instrument :
BNA_M
ClientSampleId :
A44Q5DL

Tgt Ion:149 Resp: 7784
Ion Ratio Lower Upper
149 100
167 30.4 23.0 34.4
279 5.3 3.3 4.9

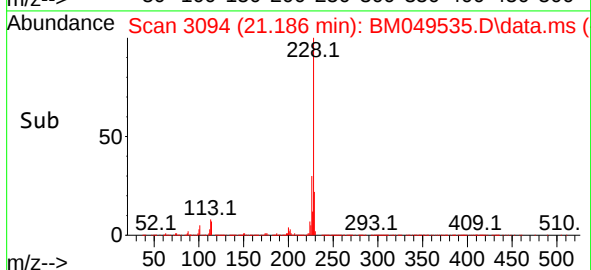
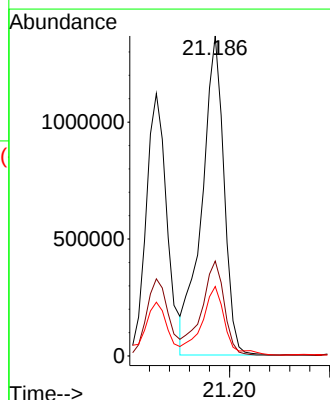
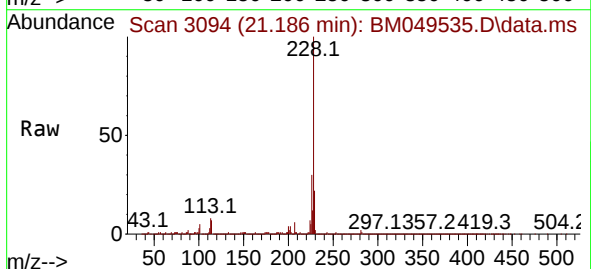
Manual Integrations
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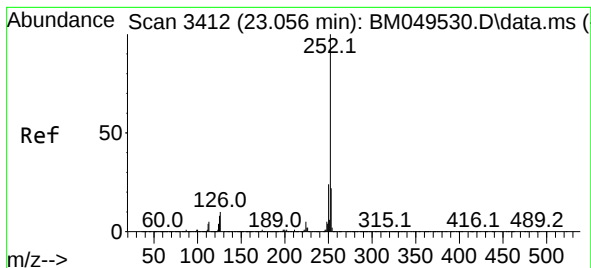
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025



#87
Chrysene
Concen: 23.389 ng/ul
RT: 21.186 min Scan# 3094
Delta R.T. 0.012 min
Lab File: BM049535.D
Acq: 30 Jan 2025 20:29

Tgt Ion:228 Resp: 2095156
Ion Ratio Lower Upper
228 100
226 29.6 24.6 37.0
229 21.7 15.9 23.9





#90

Benzo(b)fluoranthene

Concen: 28.343 ng/ul

RT: 23.062 min Scan# 3412

Delta R.T. 0.018 min

Lab File: BM049535.D

Acq: 30 Jan 2025 20:29

Instrument :

BNA_M

ClientSampleId :

A44Q5DL

Tgt Ion:252 Resp: 272504

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

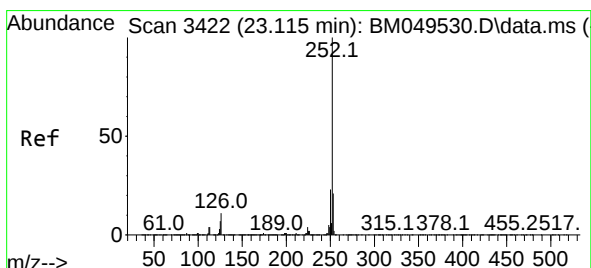
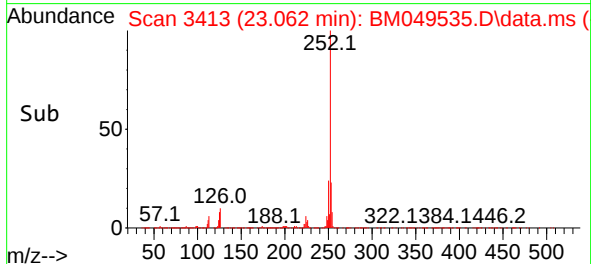
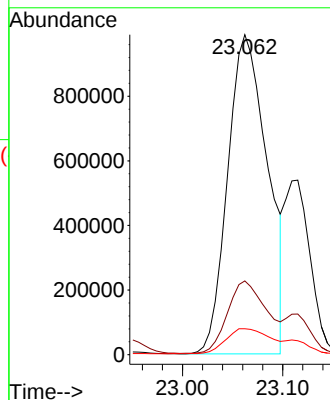
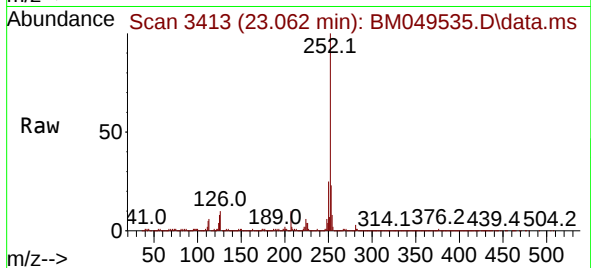
125 8.1 6.3 9.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2025

Supervised By :mohammad ahmed 02/04/2025



#91

Benzo(k)fluoranthene

Concen: 9.523 ng/ul

RT: 23.115 min Scan# 3422

Delta R.T. 0.018 min

Lab File: BM049535.D

Acq: 30 Jan 2025 20:29

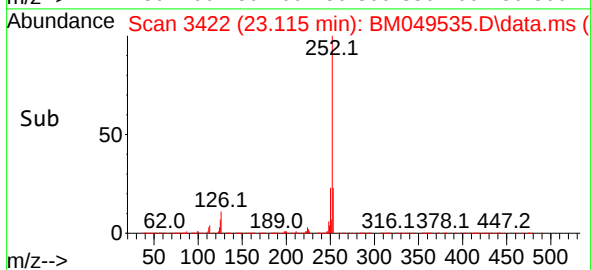
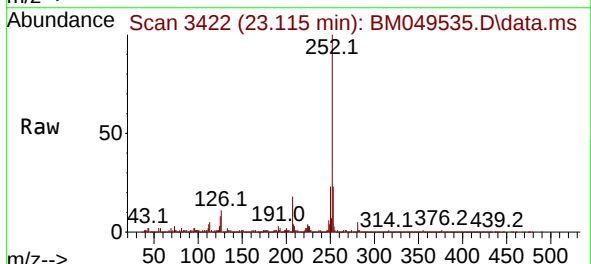
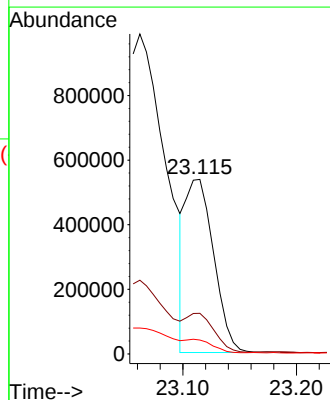
Tgt Ion:252 Resp: 925143

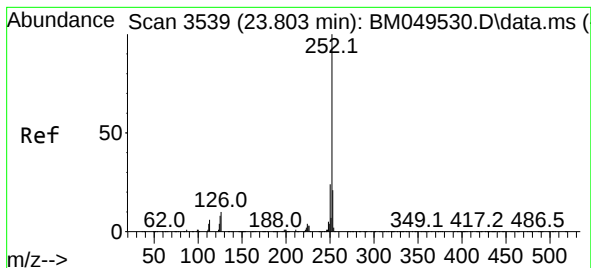
Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 8.0 6.5 9.7





#93

Benzo(a)pyrene

Concen: 10.400 ng/ul

RT: 23.797 min Scan# 3538

Delta R.T. 0.018 min

Lab File: BM049535.D

Acq: 30 Jan 2025 20:29

Instrument :

BNA_M

ClientSampleId :

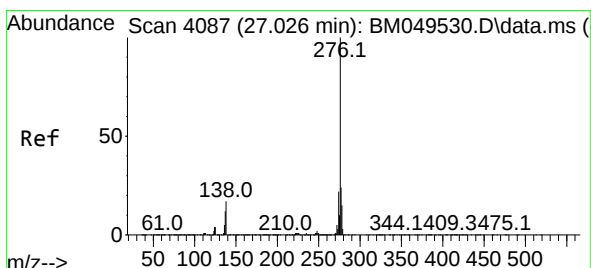
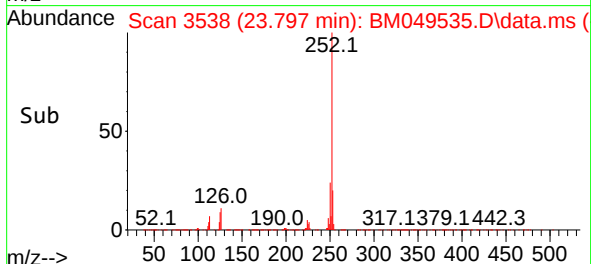
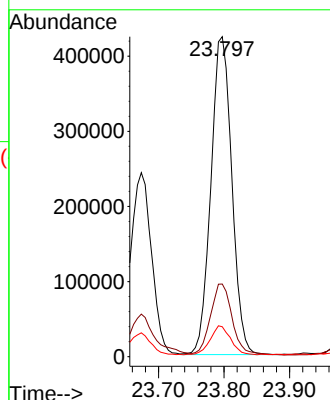
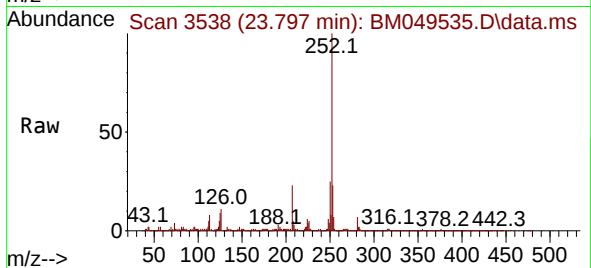
A44Q5DL

Tgt Ion:	252	Resp:	938014
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.3	25.9
125	9.3	7.0	10.6

Manual Integrations

APPROVED

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



#94

Indeno(1,2,3-cd)pyrene

Concen: 8.423 ng/ul

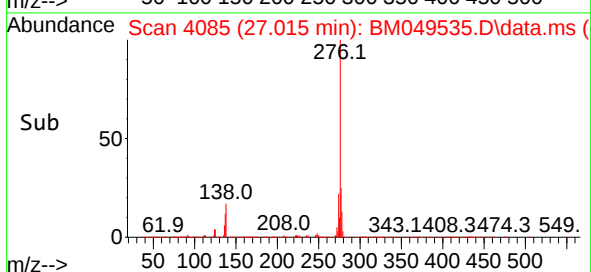
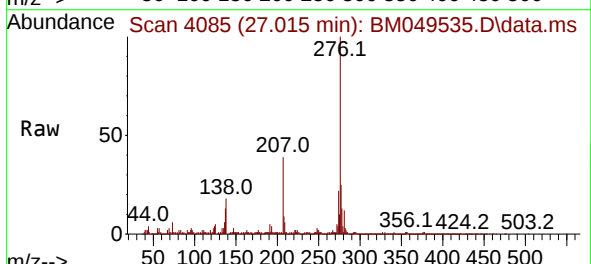
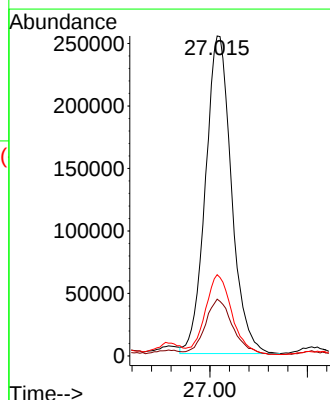
RT: 27.015 min Scan# 4085

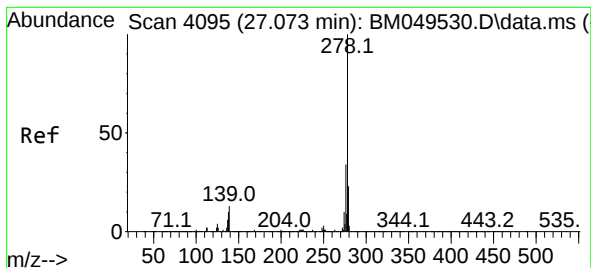
Delta R.T. 0.023 min

Lab File: BM049535.D

Acq: 30 Jan 2025 20:29

Tgt Ion:	276	Resp:	941622
Ion Ratio	Lower	Upper	
276	100		
138	17.8	13.8	20.6
277	25.4	19.0	28.6





#95

Dibenzo(a,h)anthracene

Concen: 3.495 ng/ul m

RT: 27.050 min Scan# 4095

Delta R.T. -0.000 min

Lab File: BM049535.D

Acq: 30 Jan 2025 20:29

Instrument :

BNA_M

ClientSampleId :

A44Q5DL

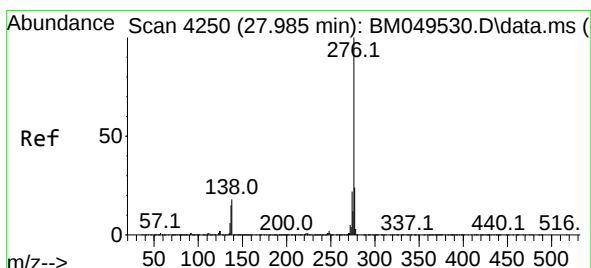
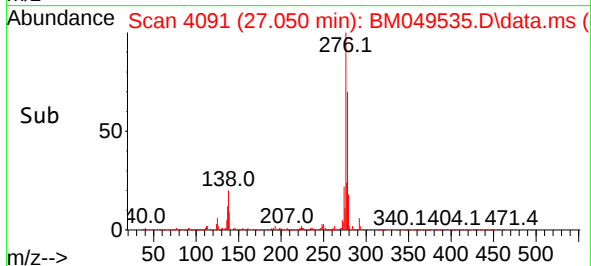
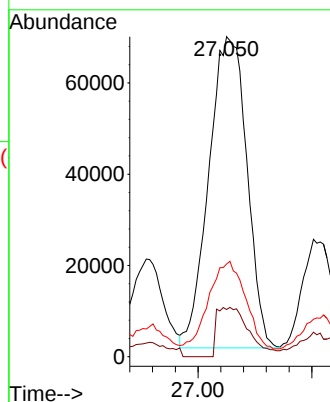
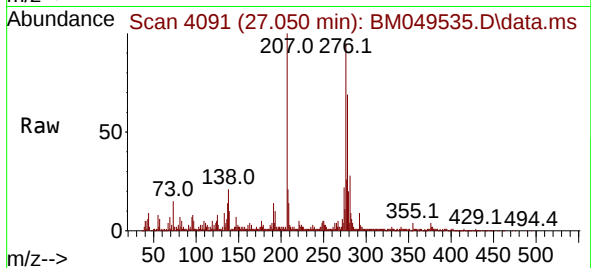
Tgt Ion:278 Resp: 316624

Ion	Ratio	Lower	Upper
278	100		
139	14.8	10.5	15.7
279	29.0	19.3	28.9

Manual Integrations

APPROVED

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



#96

Benzo(g,h,i)perylene

Concen: 1.384 ng/ul

RT: 27.974 min Scan# 4248

Delta R.T. 0.023 min

Lab File: BM049535.D

Acq: 30 Jan 2025 20:29

Tgt Ion:276 Resp: 117661

Ion	Ratio	Lower	Upper
276	100		
138	21.1	14.1	21.1
277	26.0	19.1	28.7

