

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP012725\  
 Data File : BP023776.D  
 Acq On : 28 Jan 2025 17:02  
 Operator : RC/JU  
 Sample : Q1189-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A44Q5

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 01/29/2025  
 Supervised By :mohammad ahmed 01/31/2025

Quant Time: Jan 29 08:41:53 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP012225.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 27 21:53:59 2025  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	521230	20.000	ng/ul	0.00
20) Naphthalene-d8	10.569	136	2353403	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.416	164	1526551	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.216	188	2949734	20.000	ng/ul	0.00
79) Chrysene-d12	21.669	240	2899393	20.000	ng/ul	0.00
88) Perylene-d12	25.063	264	3258057	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	26136	2.020	ng/uL	0.00
4) Pyridine-d5	3.717	84	139456	3.734	ng/ul	0.01
7) Phenol-d5	6.975	99	586031	13.287	ng/ul	0.02
9) Bis-(2-Chloroethyl)eth...	7.122	67	307762	12.354	ng/ul	0.00
11) 2-Chlorophenol-d4	7.334	132	470943	14.046	ng/ul	0.00
15) 4-Methylphenol-d8	8.499	113	439649	12.677	ng/ul	0.02
21) Nitrobenzene-d5	8.934	128	219584	12.384	ng/ul	0.00
24) 2-Nitrophenol-d4	9.652	143	229923	14.144	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.199	165	474650	13.891	ng/ul	0.02
31) 4-Chloroaniline-d4	10.704	131	254705	4.661	ng/ul	0.01
46) Dimethylphthalate-d6	13.822	166	1479106	13.473	ng/ul	0.00
49) Acenaphthylene-d8	14.104	160	1394932	10.978	ng/ul	0.00
54) 4-Nitrophenol-d4	14.645	143	197661	8.960	ng/ul	0.05
60) Fluorene-d10	15.422	176	1022340	10.879	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.534	200	107040	7.369	ng/ul	0.00
73) Anthracene-d10	17.316	188	1545256	10.912	ng/ul	0.00
81) Pyrene-d10	19.686	212	1438829	9.753	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.827	264	946117	5.802	ng/ul	-0.02
Target Compounds						
6) Benzaldehyde	6.934	77	29088	1.312	ng/ul	99
8) Phenol	7.005	94	127976	2.773	ng/ul	97
16) Acetophenone	8.599	105	535541	9.615	ng/ul	99
30) Naphthalene	10.616	128	169595	1.339	ng/ul	99
50) Acenaphthylene	14.140	152	604954	4.391	ng/ul	99
52) Acenaphthene	14.481	153	224323	2.303	ng/ul	100
56) Dibenzofuran	14.822	168	244559	1.825	ng/ul	100
61) Fluorene	15.481	166	316406	2.834	ng/ul	98
71) Pentachlorophenol	16.863	266	107157	4.616	ng/ul	97
72) Phenanthrene	17.263	178	10591020	63.550	ng/ul	99
74) Anthracene	17.351	178	1121108	6.772	ng/ul	100
77) Carbazole	17.628	167	1087012	7.476	ng/ul	100
80) Fluoranthene	19.339	202	15875735m	94.638	ng/ul	
82) Pyrene	19.716	202	12802595	70.268	ng/ul	96
85) Benzo(a)anthracene	21.645	228	6620876	36.020	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.586	149	313519	3.200	ng/ul	99
87) Chrysene	21.716	228	9162539	53.245	ng/ul	97
90) Benzo(b)fluoranthene	23.998	252	11570197	59.780	ng/ul	98
91) Benzo(k)fluoranthene	24.063	252	4790191	24.008	ng/ul	98
93) Benzo(a)pyrene	24.910	252	4190157	23.002	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.945	276	4260160	18.816	ng/ul	98
95) Dibenzo(a,h)anthracene	29.015	278	1384705m	7.529	ng/ul	
96) Benzo(g,h,i)perylene	30.121	276	497082m	2.854	ng/ul	

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**Manual Integrations**  
**APPROVED**  
 Reviewed By :Yogesh Patel 01/29/2025  
 Supervised By :mohammad ahmed 01/31/2025

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

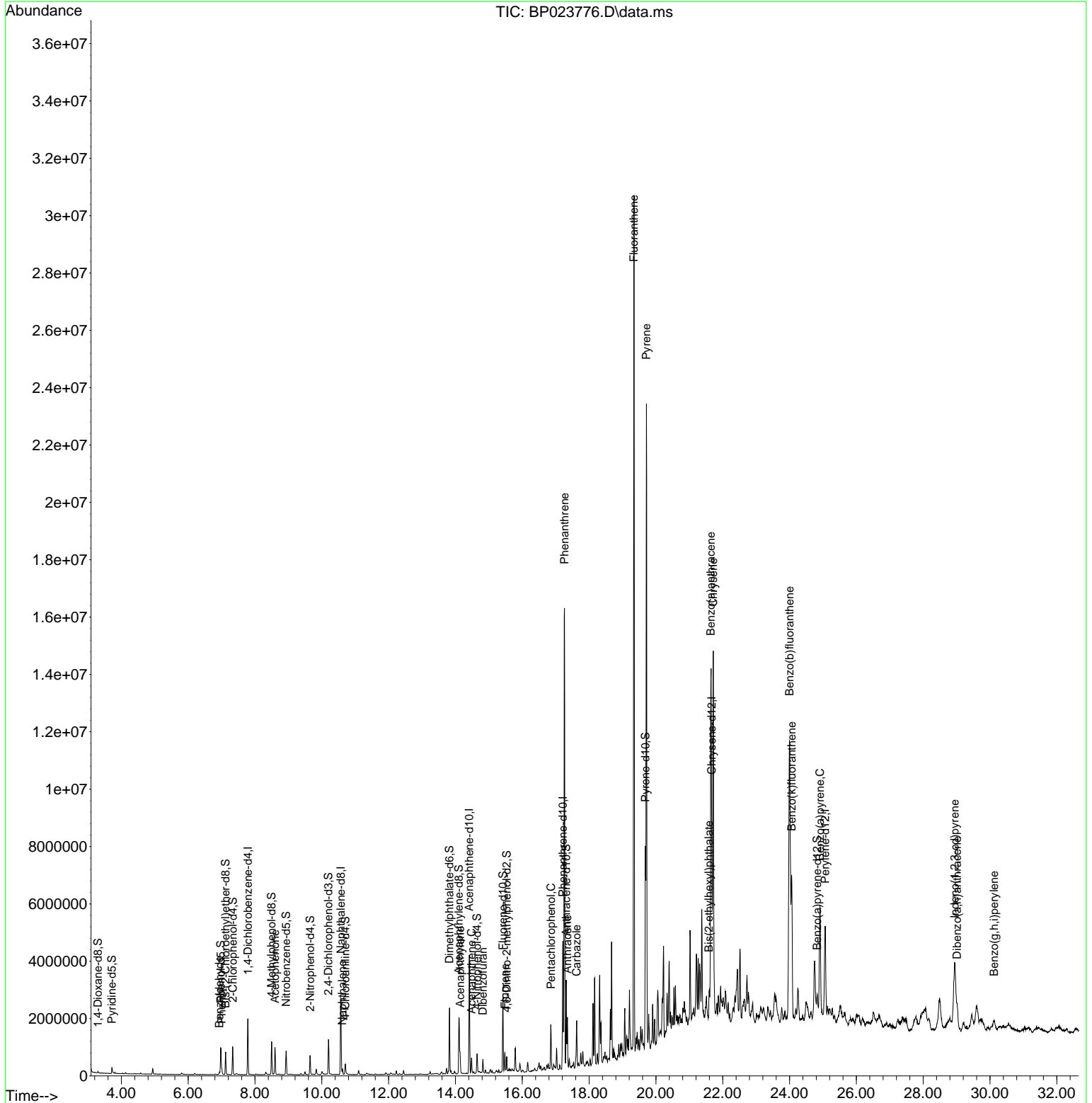
(#) = qualifier out of range (m) = manual integration (+) = signals summed

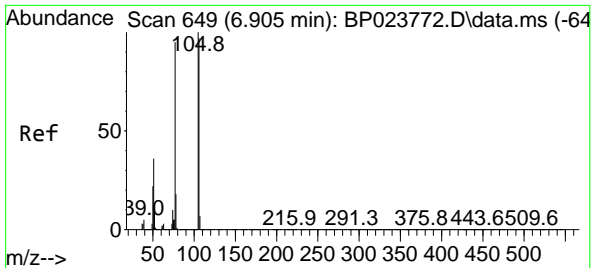
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP012725\  
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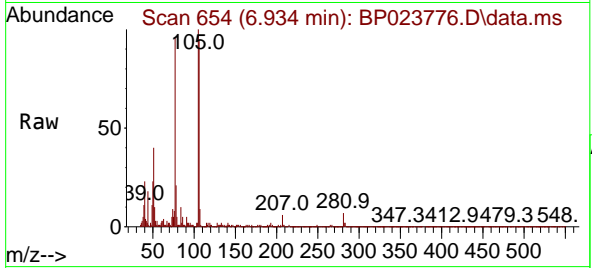
#6  
Benzaldehyde  
Concen: 1.312 ng/u1  
RT: 6.934 min Scan# 611  
Delta R.T. 0.000 min  
Lab File: BP023776.D  
Acq: 28 Jan 2025 17:02

Instrument :

BNA\_P

ClientSampleId :

A44Q5



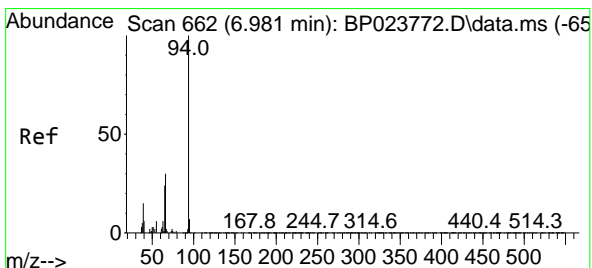
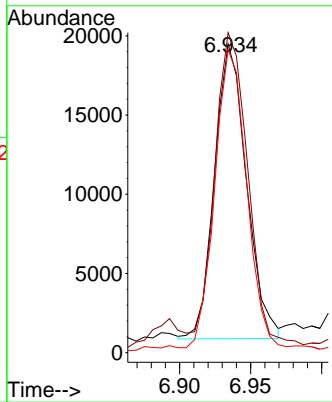
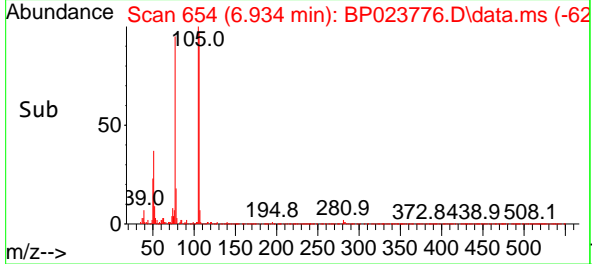
Tgt Ion: 77 Resp: 2908  
Ion Ratio Lower Upper  
77 100  
105 103.7 81.0 121.6  
106 98.2 78.6 118.0

Manual Integrations

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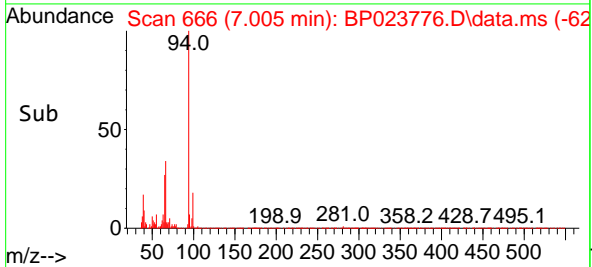
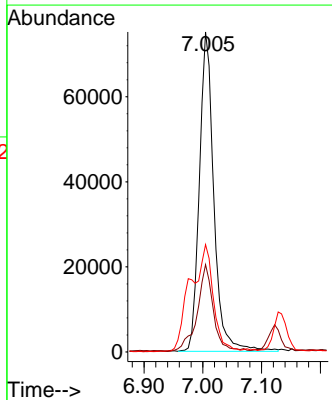
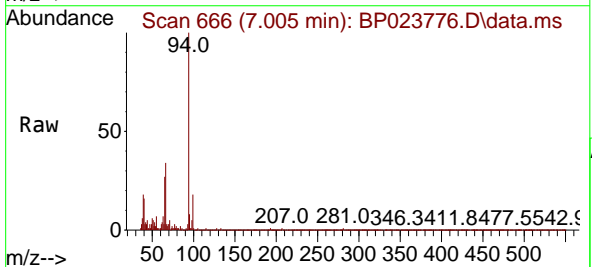
Reviewed By :Yogesh Patel 01/29/2025

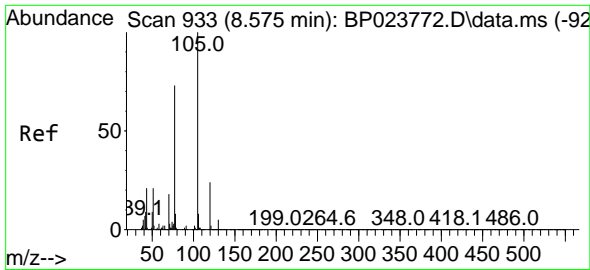
Supervised By :mohammad ahmed 01/31/2025



#8  
Phenol  
Concen: 2.773 ng/u1  
RT: 7.005 min Scan# 666  
Delta R.T. 0.029 min  
Lab File: BP023776.D  
Acq: 28 Jan 2025 17:02

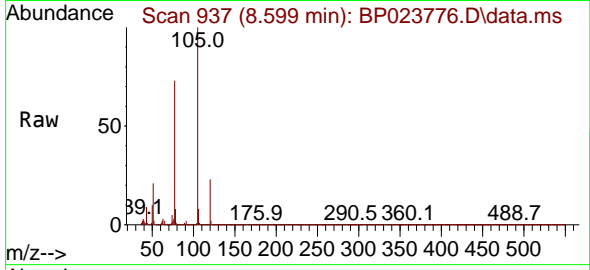
Tgt Ion: 94 Resp: 127976  
Ion Ratio Lower Upper  
94 100  
65 27.3 20.2 30.2  
66 33.5 26.0 39.0





#16  
 Acetophenone  
 Concen: 9.615 ng/u1  
 RT: 8.599 min Scan# 911  
 Delta R.T. 0.000 min  
 Lab File: BP023776.D  
 Acq: 28 Jan 2025 17:02

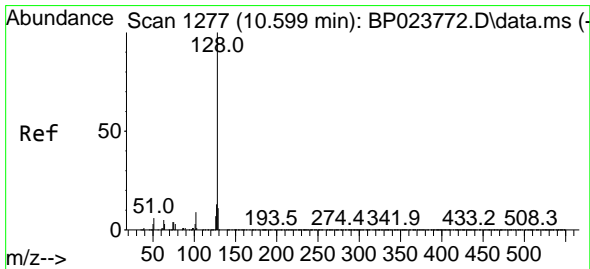
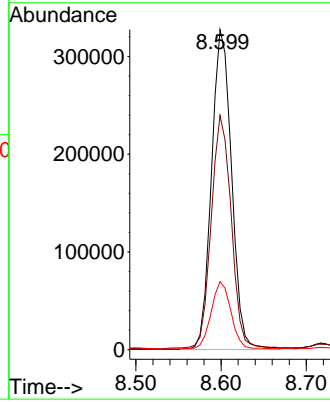
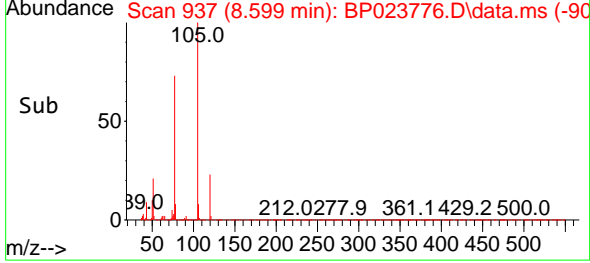
Instrument : BNA\_P  
 ClientSampleId : A44Q5



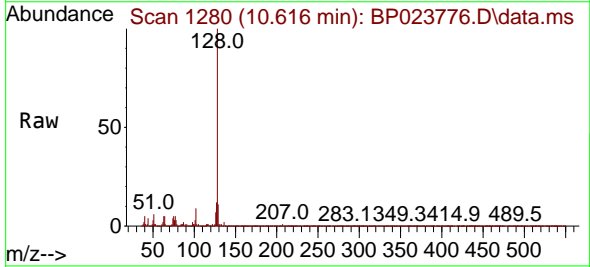
Tgt Ion:105 Resp: 53554  
 Ion Ratio Lower Upper  
 105 100  
 77 73.2 58.1 87.1  
 51 21.3 16.4 24.6

Manual Integrations  
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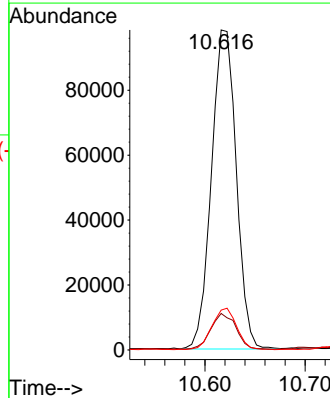
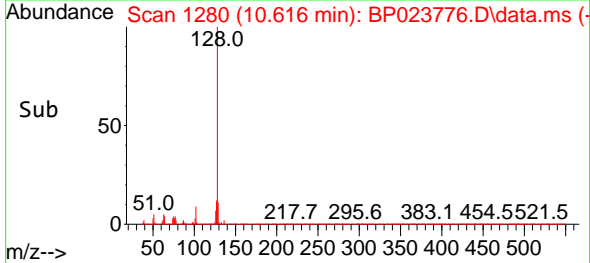
Reviewed By :Yogesh Patel 01/29/2025  
 Supervised By :mohammad ahmed 01/31/2025

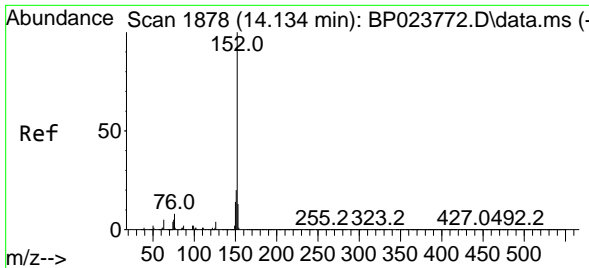


#30  
 Naphthalene  
 Concen: 1.339 ng/u1  
 RT: 10.616 min Scan# 1280  
 Delta R.T. 0.000 min  
 Lab File: BP023776.D  
 Acq: 28 Jan 2025 17:02



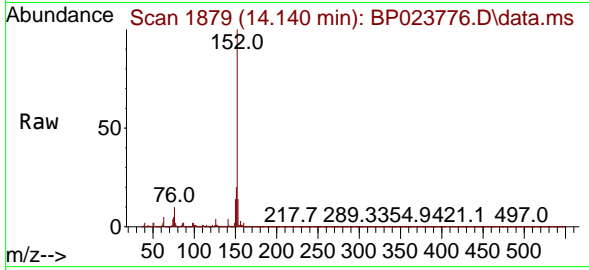
Tgt Ion:128 Resp: 169595  
 Ion Ratio Lower Upper  
 128 100  
 129 11.4 8.6 12.8  
 127 12.5 10.2 15.4





#50  
 Acenaphthylene  
 Concen: 4.391 ng/u1  
 RT: 14.140 min Scan# 1878  
 Delta R.T. 0.006 min  
 Lab File: BP023776.D  
 Acq: 28 Jan 2025 17:02

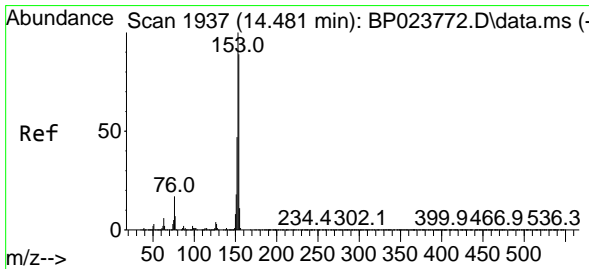
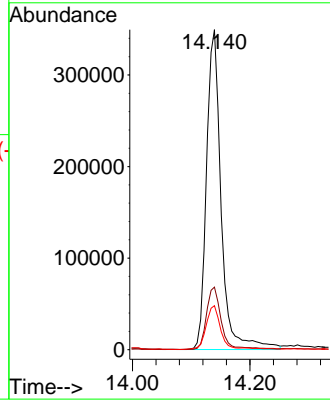
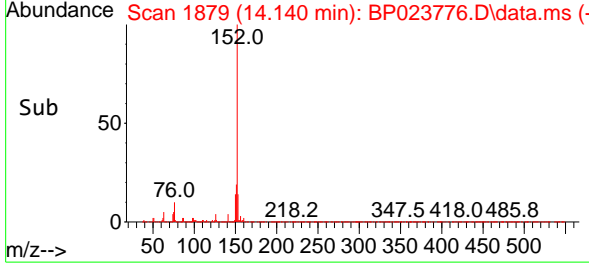
Instrument : BNA\_P  
 Client SampleId : A44Q5



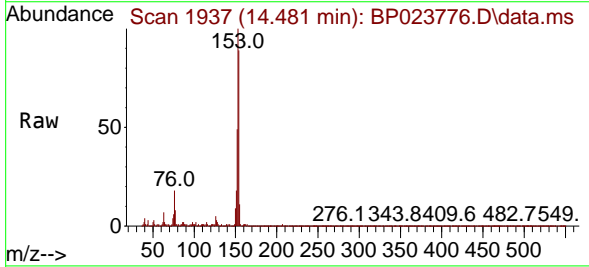
Tgt Ion:152 Resp: 60495  
 Ion Ratio Lower Upper  
 152 100  
 151 19.5 15.8 23.8  
 153 13.8 10.6 15.8

Manual Integrations  
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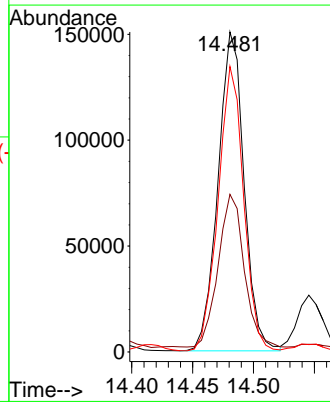
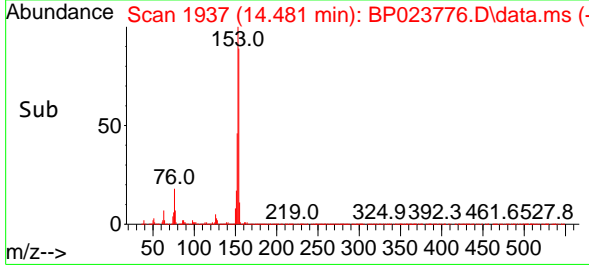
Reviewed By :Yogesh Patel 01/29/2025  
 Supervised By :mohammad ahmed 01/31/2025

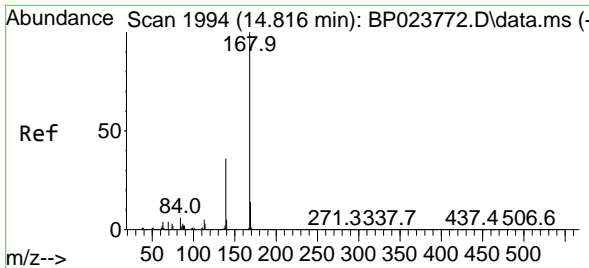


#52  
 Acenaphthene  
 Concen: 2.303 ng/u1  
 RT: 14.481 min Scan# 1937  
 Delta R.T. 0.000 min  
 Lab File: BP023776.D  
 Acq: 28 Jan 2025 17:02



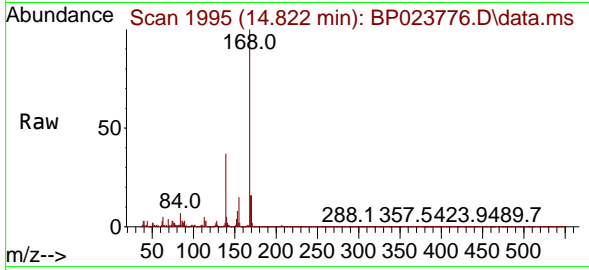
Tgt Ion:153 Resp: 224323  
 Ion Ratio Lower Upper  
 153 100  
 152 49.2 39.1 58.7  
 154 89.2 71.4 107.0





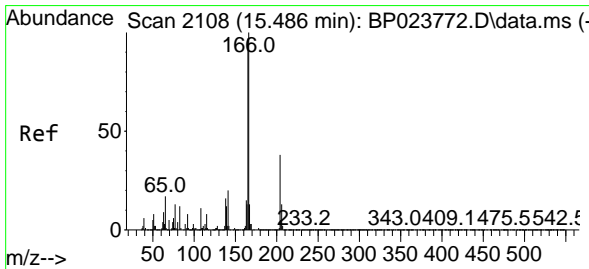
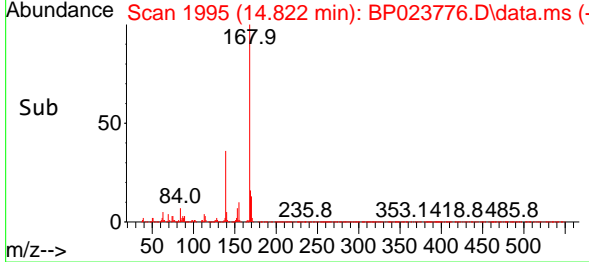
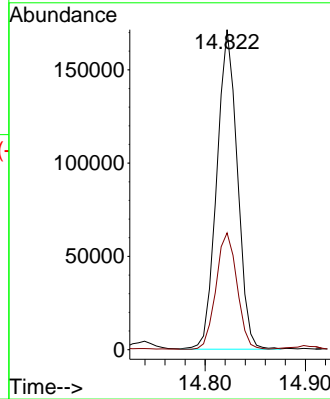
#56  
 Dibenzofuran  
 Concen: 1.825 ng/uI  
 RT: 14.822 min Scan# 1995  
 Delta R.T. 0.006 min  
 Lab File: BP023776.D  
 Acq: 28 Jan 2025 17:02

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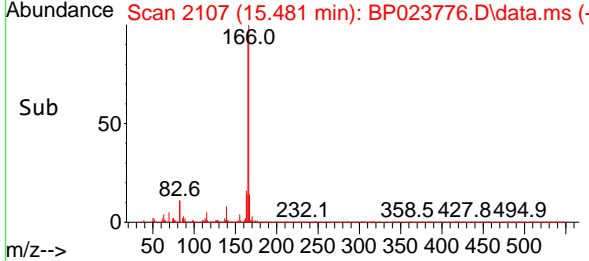
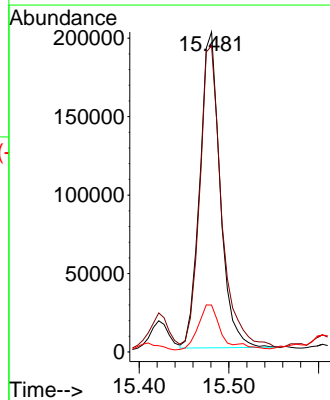
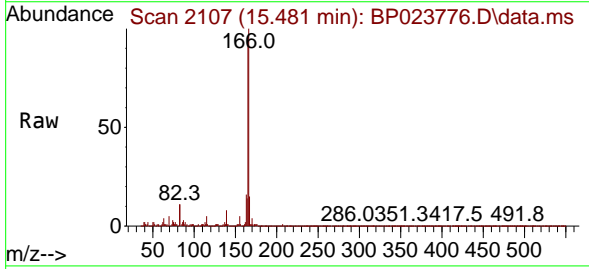
Tgt Ion:168 Resp: 24455  
 Ion Ratio Lower Upper  
 168 100  
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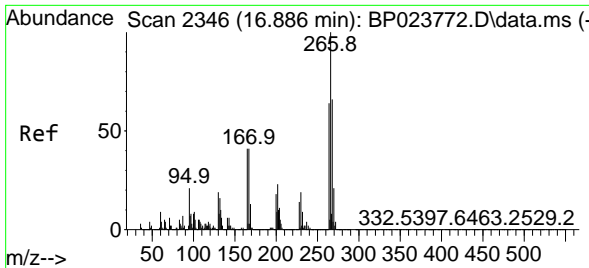
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#61  
 Fluorene  
 Concen: 2.834 ng/uI  
 RT: 15.481 min Scan# 2107  
 Delta R.T. 0.006 min  
 Lab File: BP023776.D  
 Acq: 28 Jan 2025 17:02

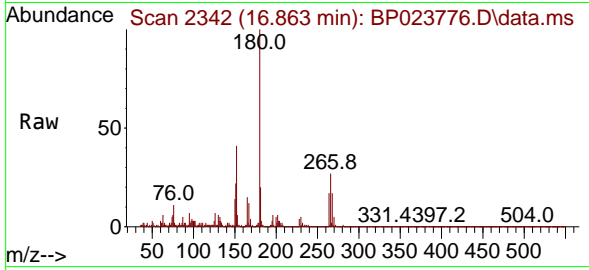
Tgt Ion:166 Resp: 316406  
 Ion Ratio Lower Upper  
 166 100  
 165 95.7 77.8 116.8  
 167 14.7 10.6 16.0





#71  
 Pentachlorophenol  
 Concen: 4.616 ng/ul  
 RT: 16.863 min Scan# 2110  
 Delta R.T. 0.012 min  
 Lab File: BP023776.D  
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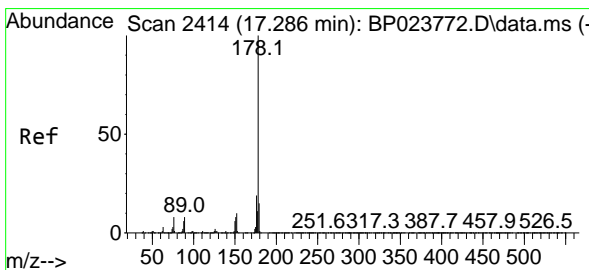
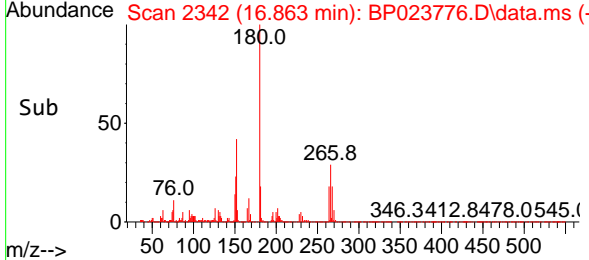
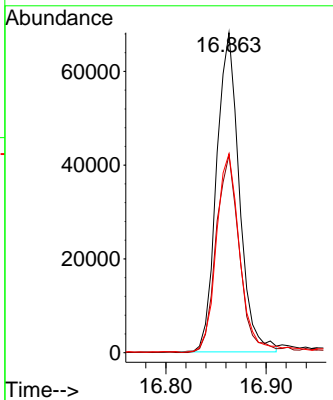


Tgt Ion: 266 Resp: 10715

Ion	Ratio	Lower	Upper
266	100		
264	61.8	50.9	76.3
268	62.2	52.2	78.4

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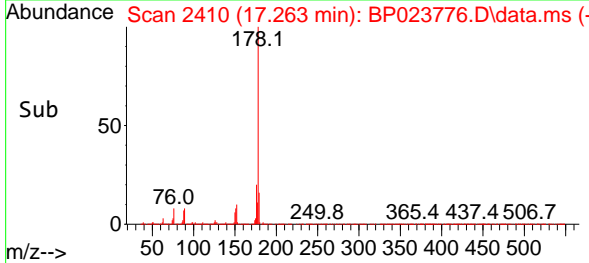
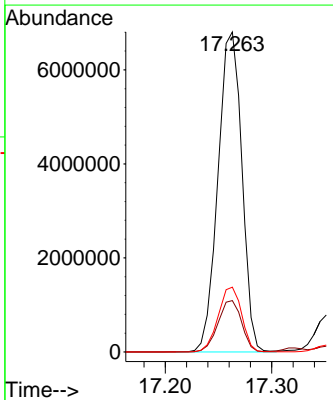
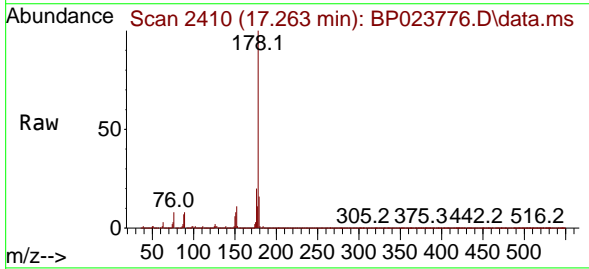
Reviewed By : Yogesh Patel 01/29/2025  
 Supervised By : mohammad ahmed 01/31/2025



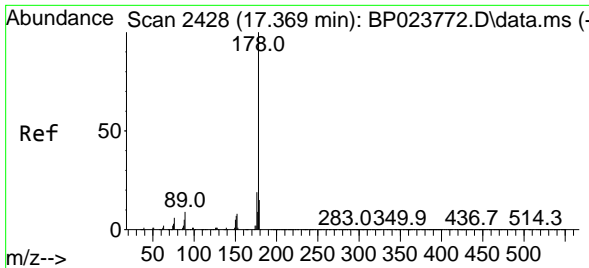
#72  
 Phenanthrene  
 Concen: 63.550 ng/ul  
 RT: 17.263 min Scan# 2410  
 Delta R.T. 0.000 min  
 Lab File: BP023776.D  
 Acq: 28 Jan 2025 17:02

Tgt Ion: 178 Resp: 10591020

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.5	18.7
176	20.2	15.7	23.5

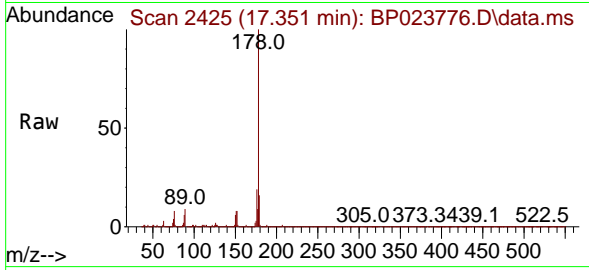






#74  
 Anthracene  
 Concen: 6.772 ng/u1  
 RT: 17.351 min Scan# 2425  
 Delta R.T. -0.006 min  
 Lab File: BP023776.D  
 Acq: 28 Jan 2025 17:02

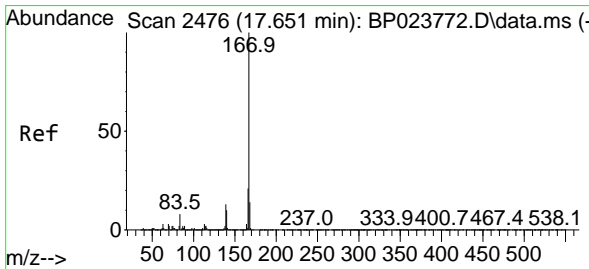
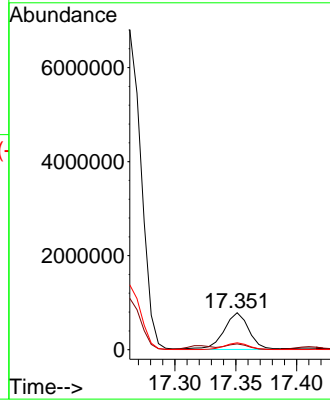
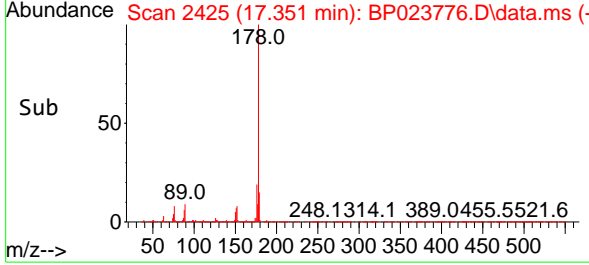
Instrument :  
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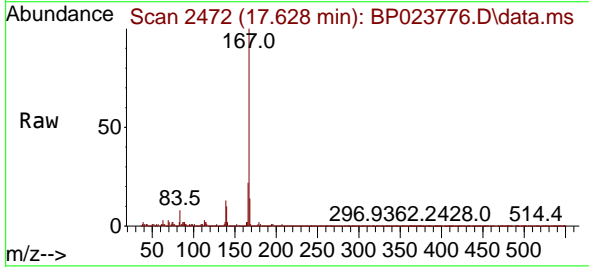
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 Ion Ratio Lower Upper  
 178 100  
 179 15.7 12.4 18.6  
 176 18.7 15.0 22.6

Manual Integrations  
 APPROVED

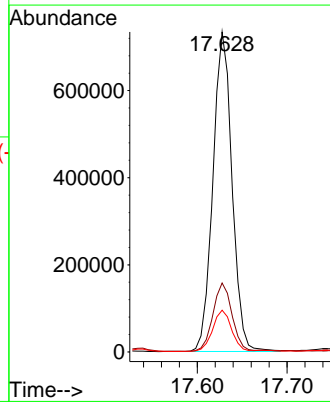
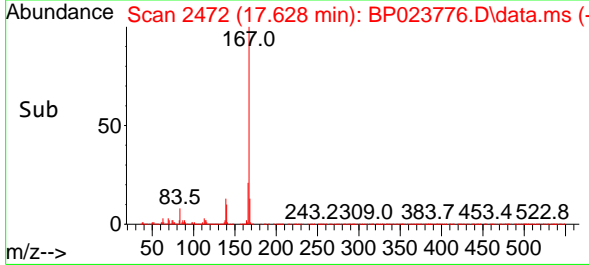
Reviewed By :Yogesh Patel 01/29/2025  
 Supervised By :mohammad ahmed 01/31/2025

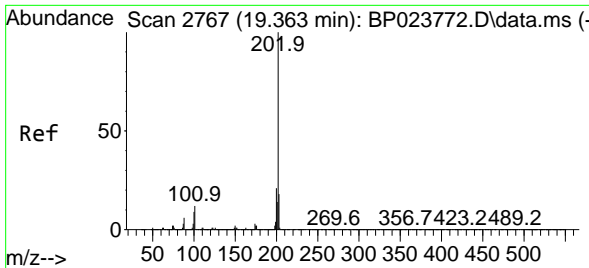


#77  
 Carbazole  
 Concen: 7.476 ng/u1  
 RT: 17.628 min Scan# 2472  
 Delta R.T. 0.000 min  
 Lab File: BP023776.D  
 Acq: 28 Jan 2025 17:02



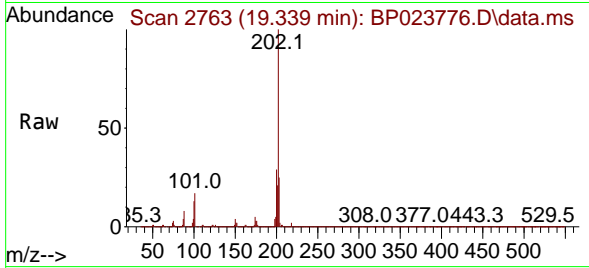
Tgt Ion:167 Resp: 1087012  
 Ion Ratio Lower Upper  
 167 100  
 166 21.6 17.4 26.0  
 139 13.1 10.6 15.8





#80  
 Fluoranthene  
 Concen: 94.638 ng/u1 m  
 RT: 19.339 min Scan# 2  
 Delta R.T. -0.012 min  
 Lab File: BP023776.D  
 Acq: 28 Jan 2025 17:02

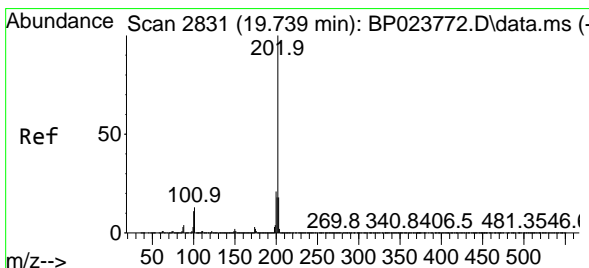
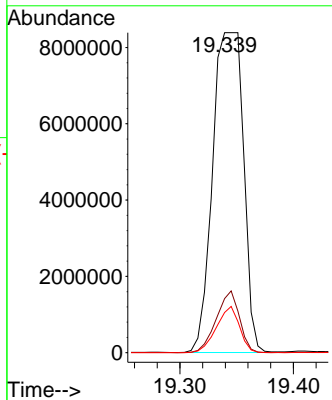
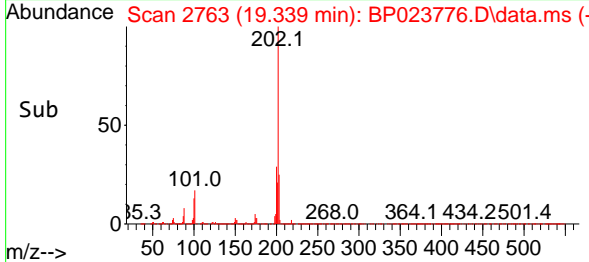
Instrument :  
 BNA\_P  
 ClientSampleId :  
 A44Q5



Tgt Ion: 202 Resp: 1587573  
 Ion Ratio Lower Upper  
 202 100  
 101 16.9 9.2 13.8  
 100 12.6 7.0 10.6

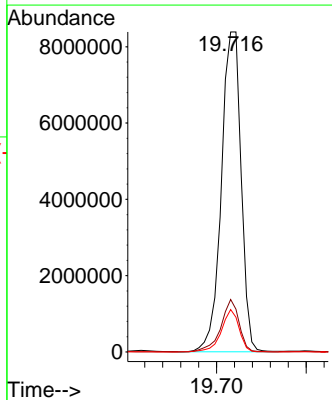
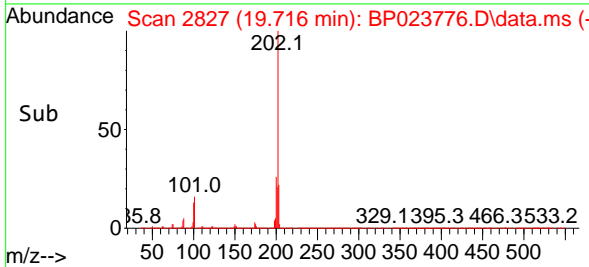
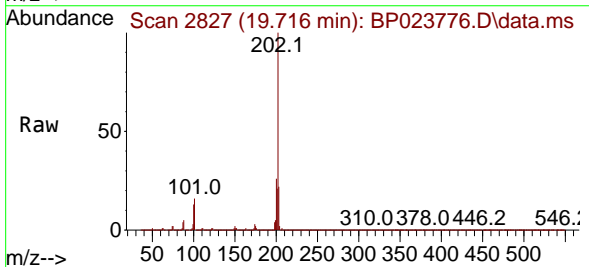
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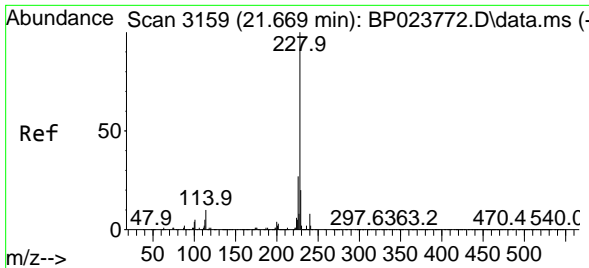
Reviewed By :Yogesh Patel 01/29/2025  
 Supervised By :mohammad ahmed 01/31/2025



#82  
 Pyrene  
 Concen: 70.268 ng/u1  
 RT: 19.716 min Scan# 2827  
 Delta R.T. -0.006 min  
 Lab File: BP023776.D  
 Acq: 28 Jan 2025 17:02

Tgt Ion: 202 Resp: 12802595  
 Ion Ratio Lower Upper  
 202 100  
 101 16.4 11.6 17.4  
 100 13.3 9.6 14.4





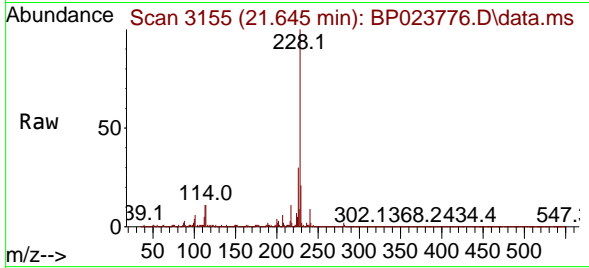
#85  
 Benzo(a)anthracene  
 Concen: 36.020 ng/uI  
 RT: 21.645 min Scan# 3155  
 Delta R.T. -0.012 min  
 Lab File: BP023776.D  
 Acq: 28 Jan 2025 17:02

Instrument :

BNA\_P

ClientSampleId :

A44Q5



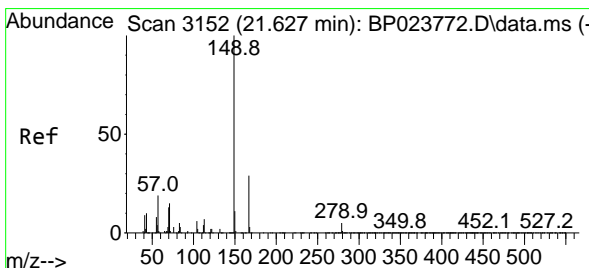
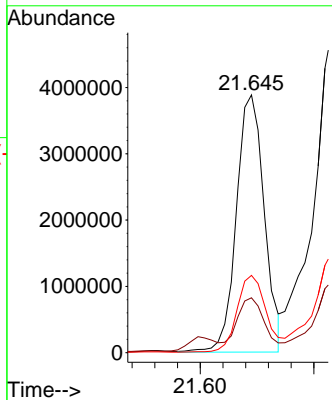
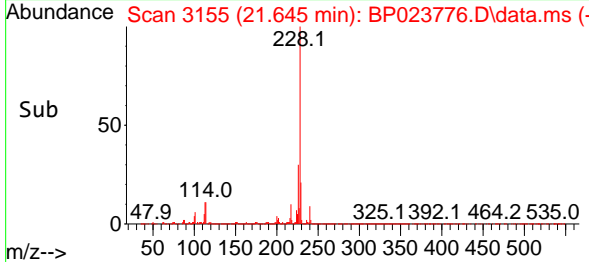
Tgt Ion:228 Resp: 6620870  
 Ion Ratio Lower Upper  
 228 100  
 229 21.3 15.8 23.8  
 226 30.0 21.8 32.8

Manual Integrations

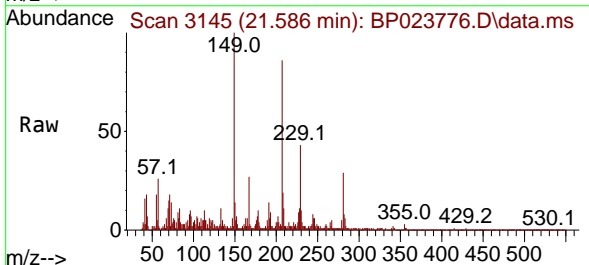
APPROVED

Reviewed By :Yogesh Patel 01/29/2025

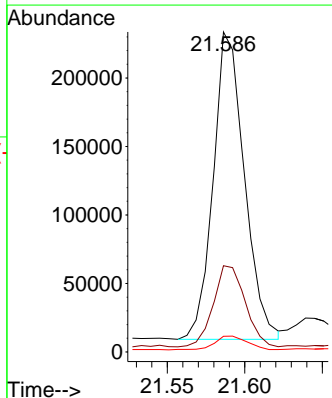
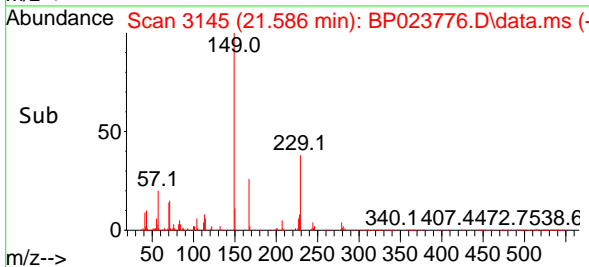
Supervised By :mohammad ahmed 01/31/2025

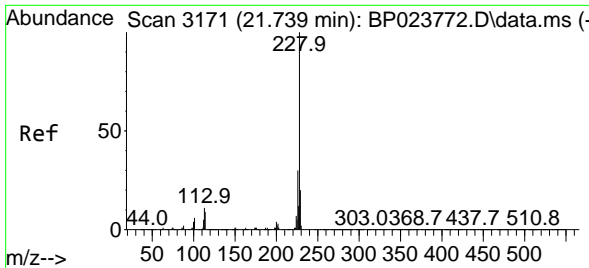


#86  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.200 ng/uI  
 RT: 21.586 min Scan# 3145  
 Delta R.T. -0.029 min  
 Lab File: BP023776.D  
 Acq: 28 Jan 2025 17:02



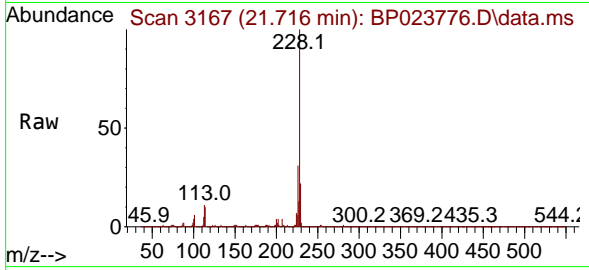
Tgt Ion:149 Resp: 313519  
 Ion Ratio Lower Upper  
 149 100  
 167 26.9 21.7 32.5  
 279 4.9 3.4 5.2





#87  
 Chrysene  
 Concen: 53.245 ng/u1  
 RT: 21.716 min Scan# 3171  
 Delta R.T. -0.006 min  
 Lab File: BP023776.D  
 Acq: 28 Jan 2025 17:02

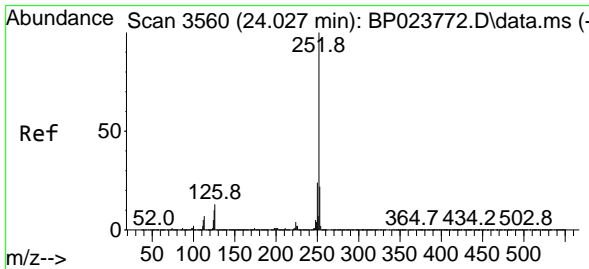
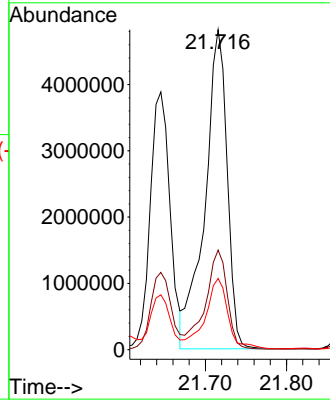
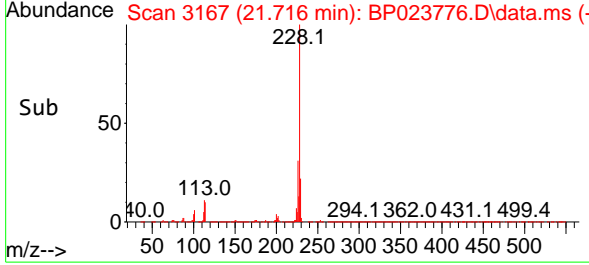
Instrument : BNA\_P  
 Client SampleId : A44Q5



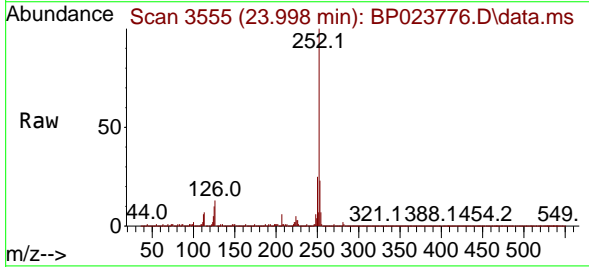
Tgt Ion: 228 Resp: 9162539  
 Ion Ratio Lower Upper  
 228 100  
 226 31.1 24.3 36.5  
 229 22.2 15.8 23.6

Manual Integrations  
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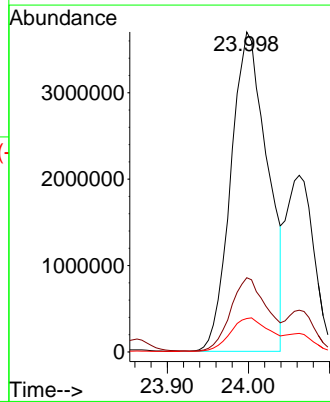
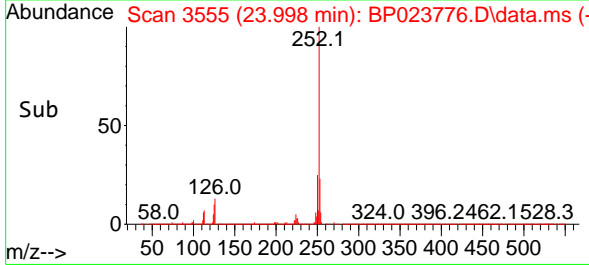
Reviewed By :Yogesh Patel 01/29/2025  
 Supervised By :mohammad ahmed 01/31/2025

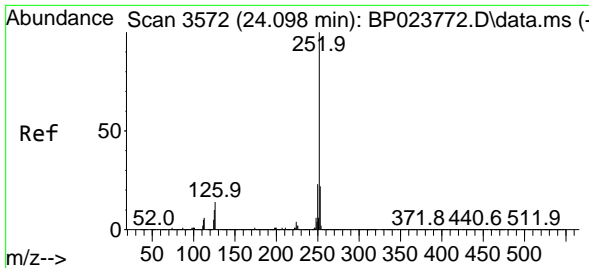


#90  
 Benzo(b)fluoranthene  
 Concen: 59.780 ng/u1  
 RT: 23.998 min Scan# 3555  
 Delta R.T. 0.000 min  
 Lab File: BP023776.D  
 Acq: 28 Jan 2025 17:02



Tgt Ion: 252 Resp: 11570197  
 Ion Ratio Lower Upper  
 252 100  
 253 23.2 17.5 26.3  
 125 10.5 8.2 12.4





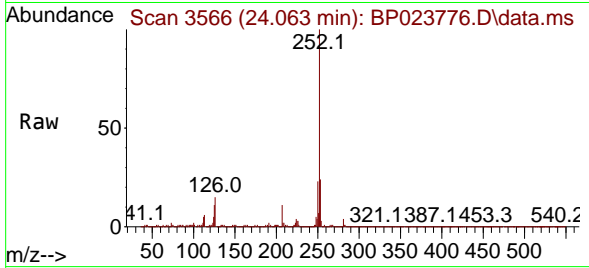
#91  
 Benzo(k)fluoranthene  
 Concen: 24.008 ng/u1  
 RT: 24.063 min Scan# 311  
 Delta R.T. -0.006 min  
 Lab File: BP023776.D  
 Acq: 28 Jan 2025 17:02

Instrument :

BNA\_P

ClientSampleId :

A44Q5



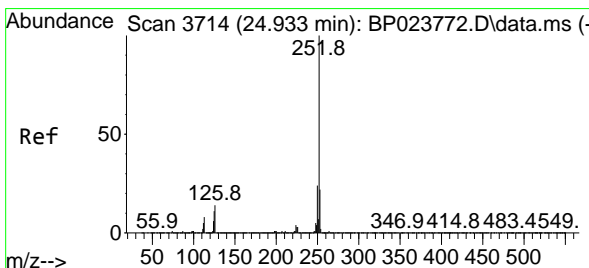
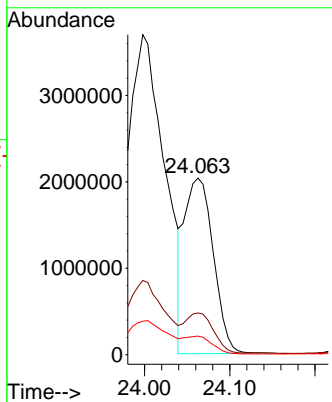
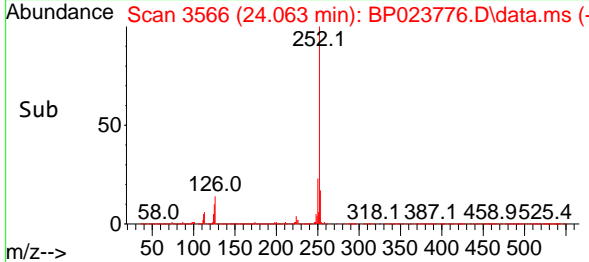
Tgt Ion:252 Resp: 479019  
 Ion Ratio Lower Upper  
 252 100  
 253 23.6 17.7 26.5  
 125 10.5 8.6 13.0

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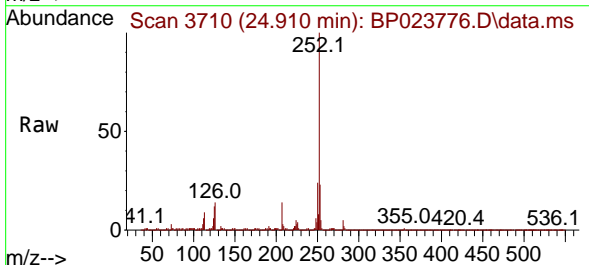
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Reviewed By :Yogesh Patel 01/29/2025

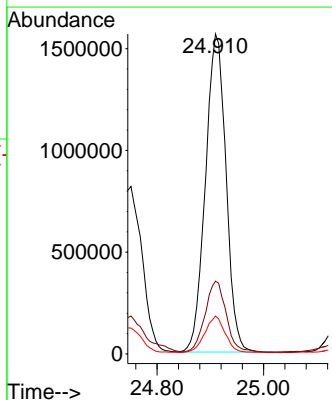
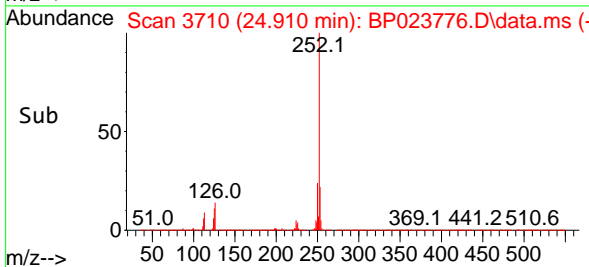
Supervised By :mohammad ahmed 01/31/2025

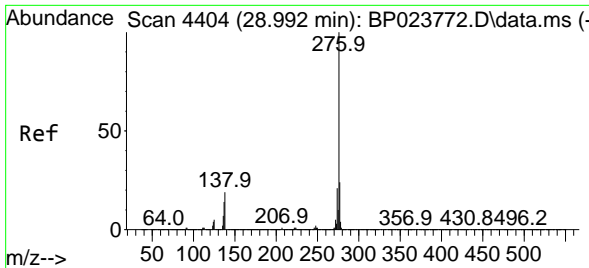


#93  
 Benzo(a)pyrene  
 Concen: 23.002 ng/u1  
 RT: 24.910 min Scan# 3710  
 Delta R.T. 0.000 min  
 Lab File: BP023776.D  
 Acq: 28 Jan 2025 17:02



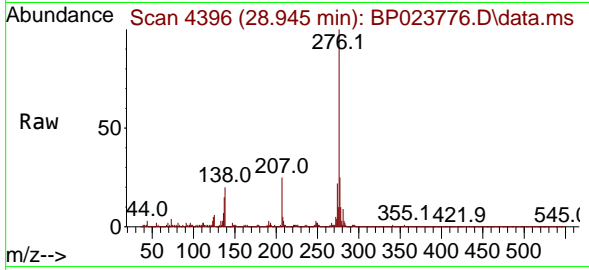
Tgt Ion:252 Resp: 4190157  
 Ion Ratio Lower Upper  
 252 100  
 253 22.7 17.5 26.3  
 125 11.8 9.1 13.7





#94  
 Indeno(1,2,3-cd)pyrene  
 Concen: 18.816 ng/ul  
 RT: 28.945 min Scan# 41  
 Delta R.T. 0.018 min  
 Lab File: BP023776.D  
 Acq: 28 Jan 2025 17:02

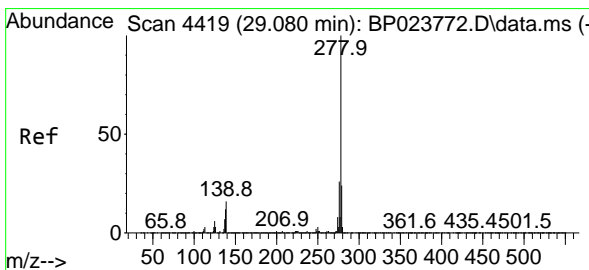
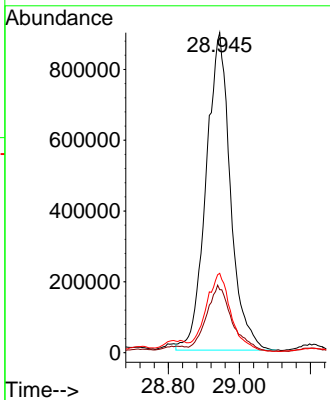
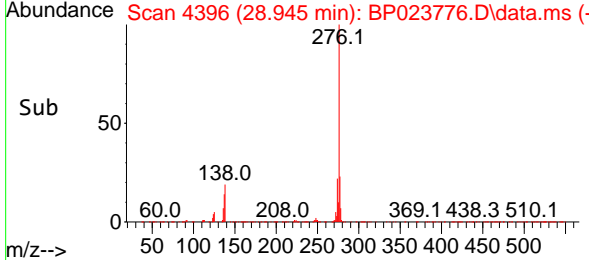
Instrument : BNA\_P  
 Client Sample Id : A44Q5



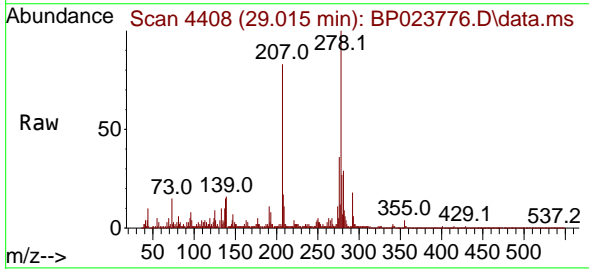
Tgt Ion: 276 Resp: 426016  
 Ion Ratio Lower Upper  
 276 100  
 138 19.7 16.6 25.0  
 277 24.8 19.2 28.8

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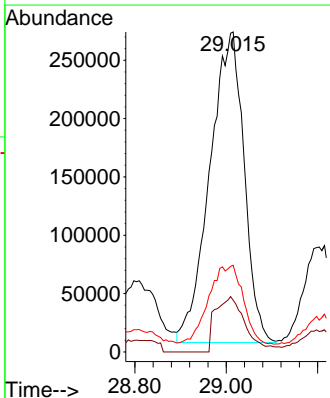
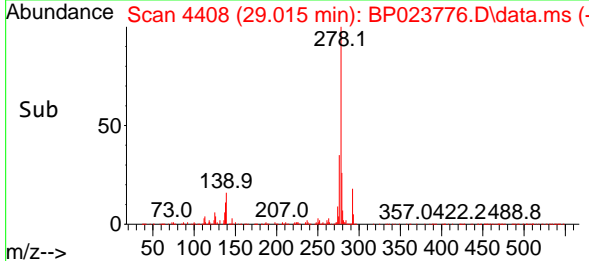
Reviewed By :Yogesh Patel 01/29/2025  
 Supervised By :mohammad ahmed 01/31/2025

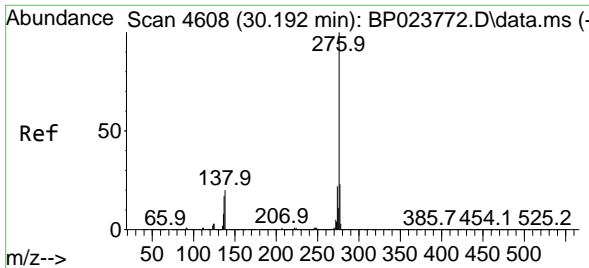


#95  
 Dibenzo(a,h)anthracene  
 Concen: 7.529 ng/ul m  
 RT: 29.015 min Scan# 4408  
 Delta R.T. 0.006 min  
 Lab File: BP023776.D  
 Acq: 28 Jan 2025 17:02



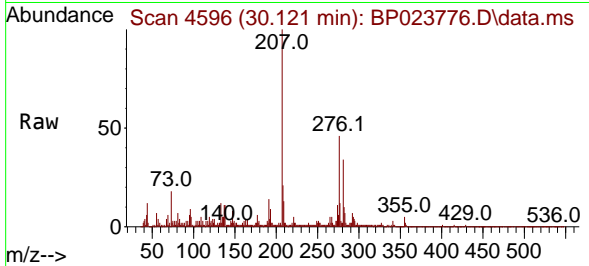
Tgt Ion: 278 Resp: 1384705  
 Ion Ratio Lower Upper  
 278 100  
 139 16.2 13.4 20.2  
 279 27.1 19.4 29.2





#96  
 Benzo(g,h,i)perylene  
 Concen: 2.854 ng/ul m  
 RT: 30.121 min Scan# 4  
 Delta R.T. 0.006 min  
 Lab File: BP023776.D  
 Acq: 28 Jan 2025 17:02

Instrument :  
 BNA\_P  
 Client Sample Id :  
 A44Q5



Tgt Ion: 276 Resp: 49708  
 Ion Ratio Lower Upper  
 276 100  
 138 23.5 18.5 27.7  
 277 25.5 19.0 28.6

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 01/29/2025  
 Supervised By :mohammad ahmed 01/31/2025

