

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081524\  
 Data File : BM047199.D  
 Acq On : 14 Aug 2024 20:11  
 Operator : RC/JU  
 Sample : P3519-11  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

**Instrument :**  
 BNA\_M  
**ClientSampleId :**  
 OU4-TS-21-080724

**Manual Integrations**  
**APPROVED**

Reviewed By :Jagrut Upadhyay 08/15/2024  
 Supervised By :mohammad ahmed 08/16/2024

Quant Time: Aug 15 02:35:52 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM081024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Aug 11 23:47:58 2024  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
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Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.369	152	365065	20.000	ng	0.00	
21) Naphthalene-d8	10.122	136	1394399	20.000	ng	-0.01	
39) Acenaphthene-d10	14.027	164	876541	20.000	ng	0.00	
64) Phenanthrene-d10	16.786	188	1774496	20.000	ng	0.00	
76) Chrysene-d12	21.021	240	1176593	20.000	ng	-0.01	
86) Perylene-d12	23.721	264	1172599	20.000	ng	0.00	
System Monitoring Compounds							
5) 2-Fluorophenol	5.022	112	1968342	96.342	ng	0.00	
7) Phenol-d6	6.581	99	2692515	95.643	ng	0.00	
23) Nitrobenzene-d5	8.516	82	1752726	63.293	ng	0.00	
42) 2,4,6-Tribromophenol	15.533	330	1011891	99.560	ng	0.00	
45) 2-Fluorobiphenyl	12.633	172	2965981	52.195	ng	-0.01	
79) Terphenyl-d14	19.456	244	3649182	66.457	ng	0.00	
Target Compounds							
							Qvalue
71) Phenanthrene	16.827	178	481207	5.403	ng		100
75) Fluoranthene	18.862	202	1401757	12.941	ng		99
78) Pyrene	19.227	202	1169414	13.920	ng		99
81) Benzo(a)anthracene	21.003	228	482894	6.182	ng		98
83) Chrysene	21.062	228	573949	7.745	ng		97
87) Indeno(1,2,3-cd)pyrene	26.703	276	292372	3.857	ng		97
88) Benzo(b)fluoranthene	22.880	252	686060	9.852	ng		98
89) Benzo(k)fluoranthene	22.927	252	210242m	3.196	ng		
90) Benzo(a)pyrene	23.592	252	400722	6.643	ng		95
92) Benzo(g,h,i)perylene	27.632	276	283997	4.459	ng		98
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

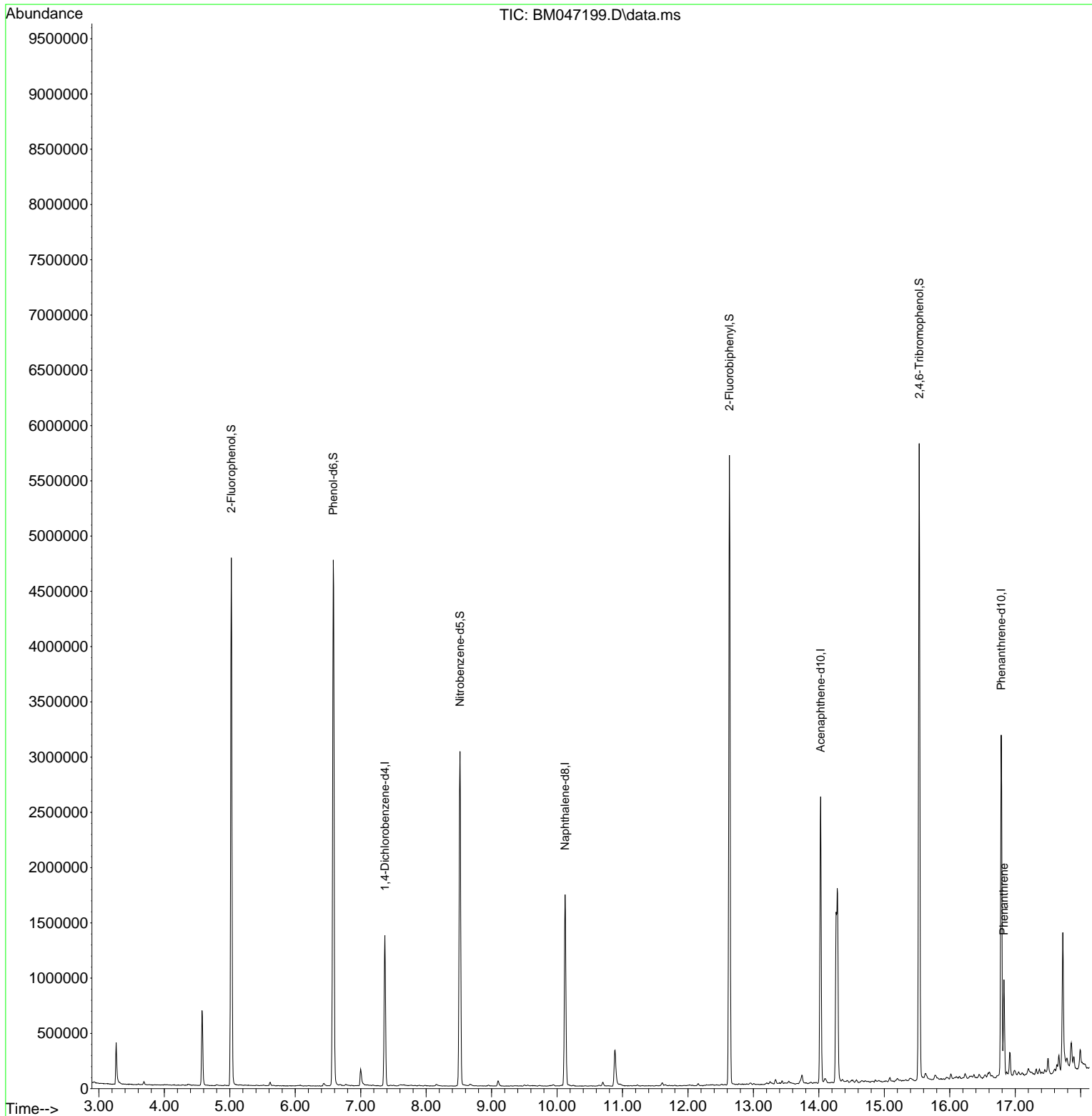
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081524\  
Data File : BM047199.D  
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Quant Time: Aug 15 02:35:52 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM081024.M  
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Response via : Initial Calibration

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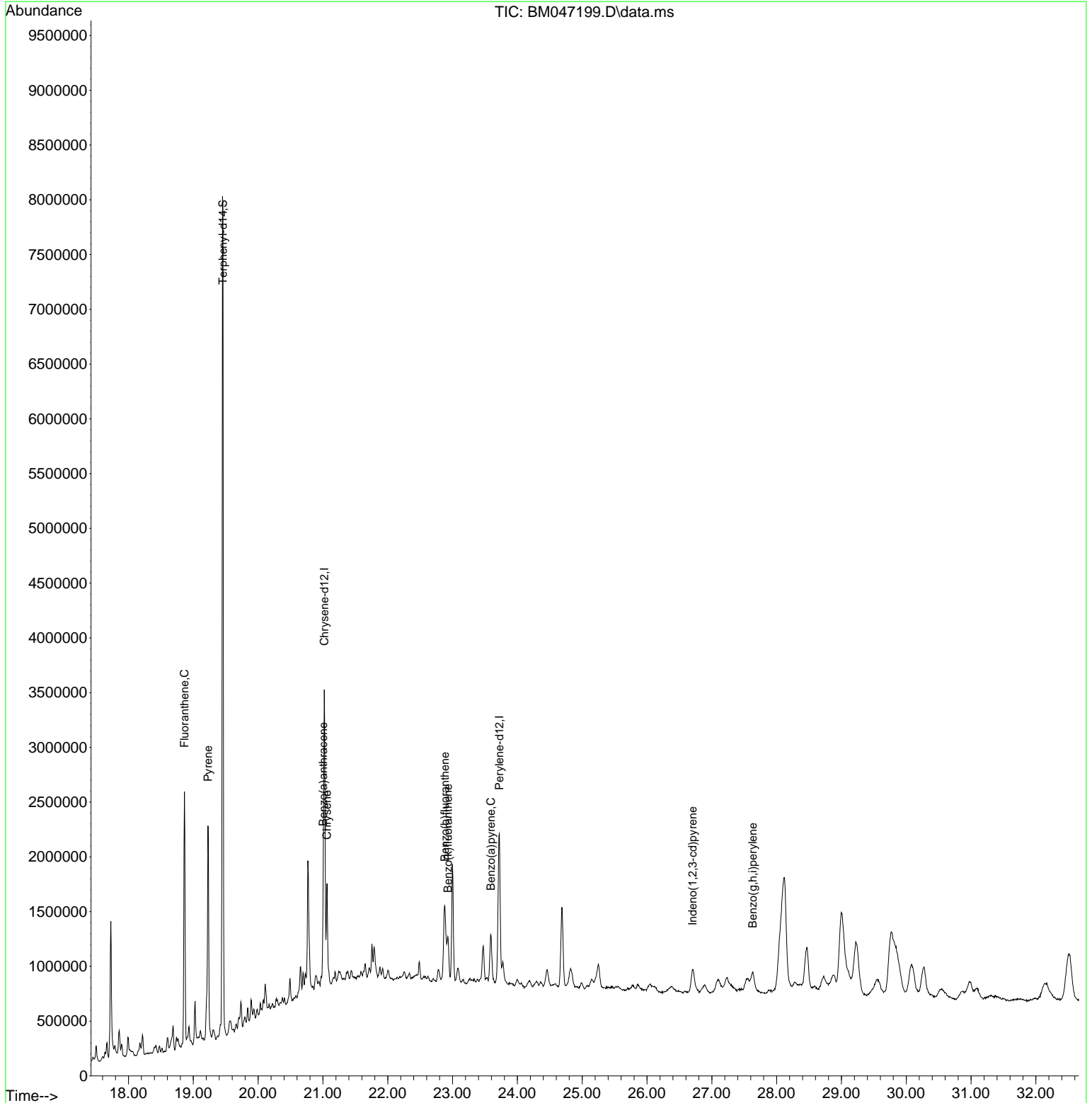


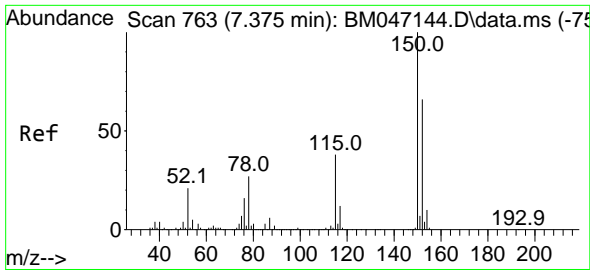
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 Data File : BM047199.D  
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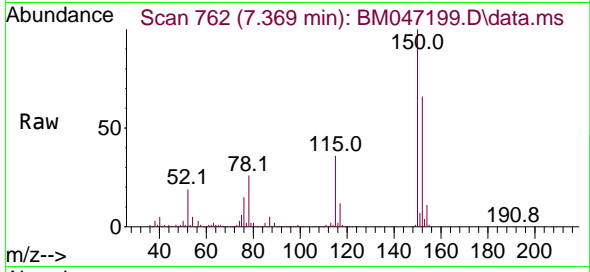
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#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.369 min Scan# 762  
 Delta R.T. -0.006 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11

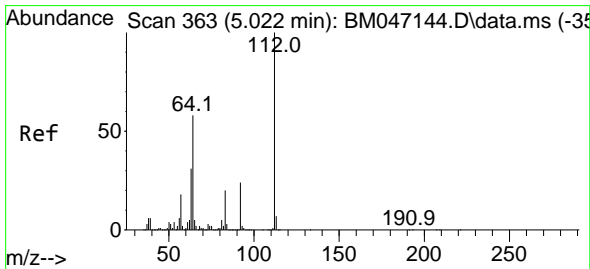
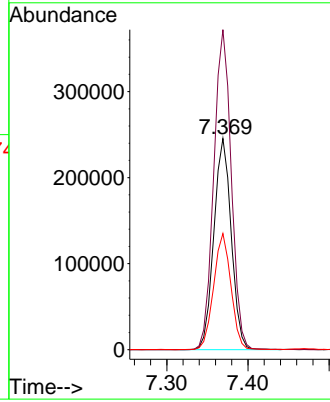
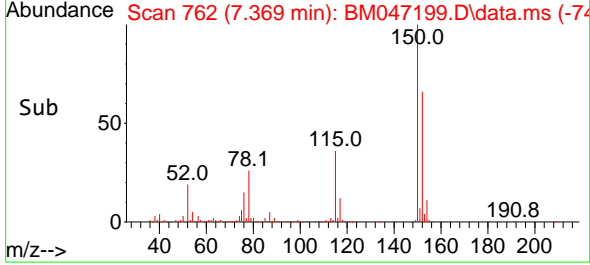
Instrument :  
 BNA\_M  
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 OU4-TS-21-080724



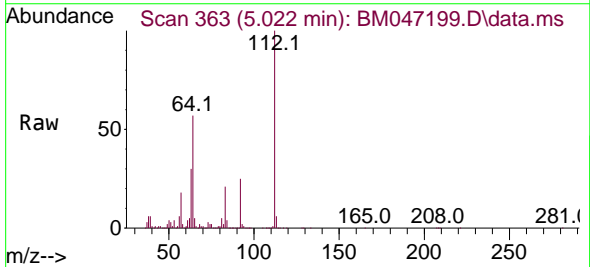
Tgt Ion:152 Resp: 36506  
 Ion Ratio Lower Upper  
 152 100  
 150 151.5 120.5 180.7  
 115 55.0 45.5 68.3

Manual Integrations  
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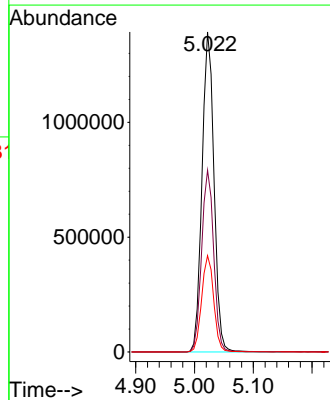
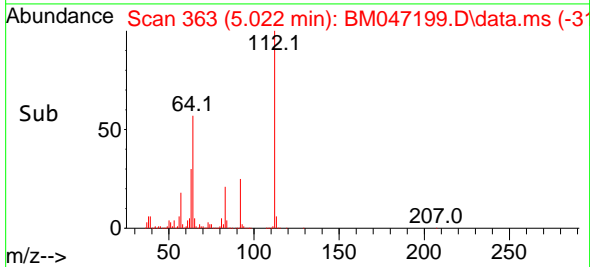
Reviewed By :Jagrut Upadhyay 08/15/2024  
 Supervised By :mohammad ahmed 08/16/2024

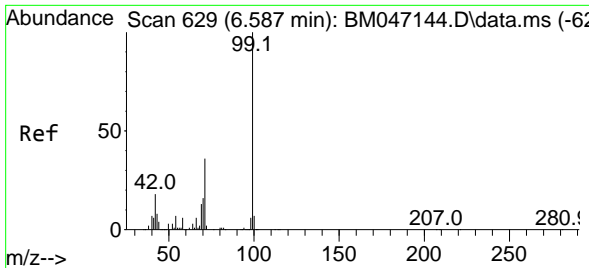


#5  
 2-Fluorophenol  
 Concen: 96.342 ng  
 RT: 5.022 min Scan# 363  
 Delta R.T. -0.000 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11



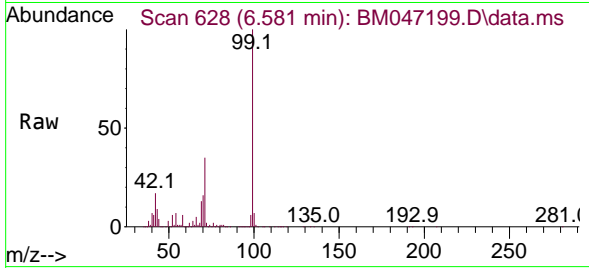
Tgt Ion:112 Resp: 1968342  
 Ion Ratio Lower Upper  
 112 100  
 64 56.8 46.7 70.1  
 63 30.1 24.8 37.2





#7  
 Phenol-d6  
 Concen: 95.643 ng  
 RT: 6.581 min Scan# 61  
 Delta R.T. -0.006 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11

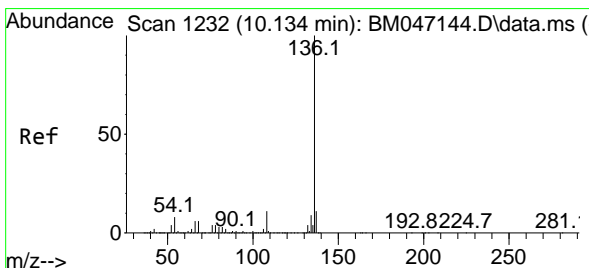
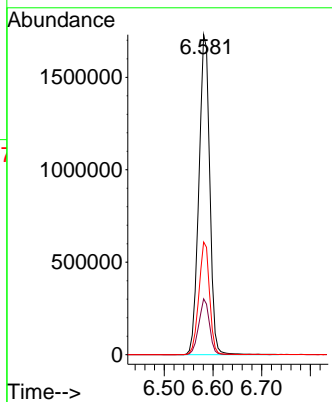
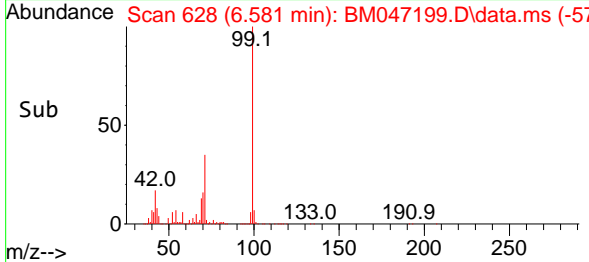
Instrument :  
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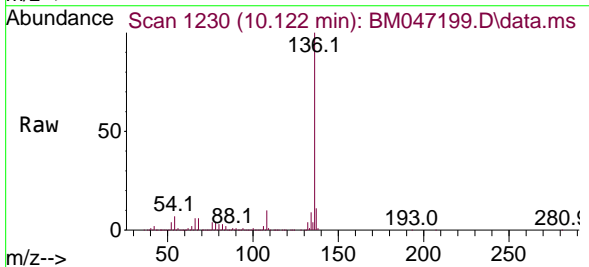
Tgt Ion: 99 Resp: 269251  
 Ion Ratio Lower Upper  
 99 100  
 42 17.4 14.1 21.1  
 71 35.2 28.5 42.7

Manual Integrations  
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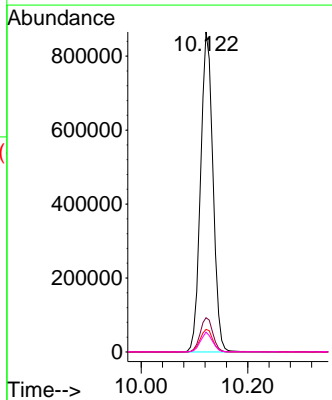
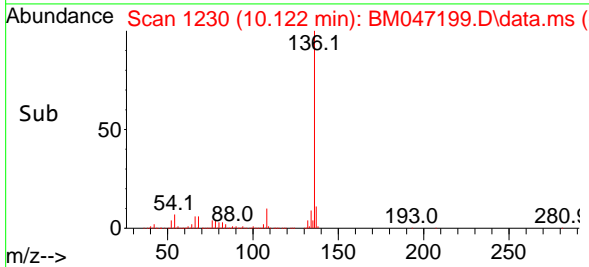
Reviewed By :Jagrut Upadhyay 08/15/2024  
 Supervised By :mohammad ahmed 08/16/2024

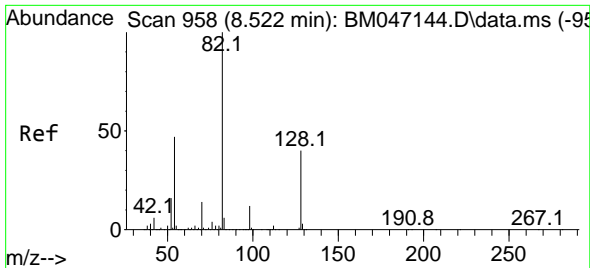


#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 10.122 min Scan# 1230  
 Delta R.T. -0.012 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11



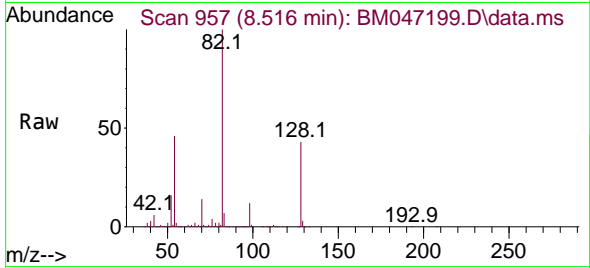
Tgt Ion:136 Resp: 1394399  
 Ion Ratio Lower Upper  
 136 100  
 137 10.7 8.8 13.2  
 54 7.1 6.0 9.0  
 68 6.2 4.8 7.2





#23  
 Nitrobenzene-d5  
 Concen: 63.293 ng  
 RT: 8.516 min Scan# 91  
 Delta R.T. -0.006 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11

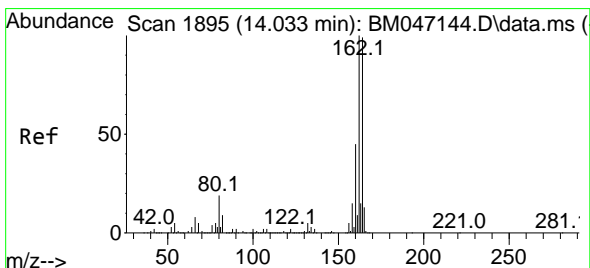
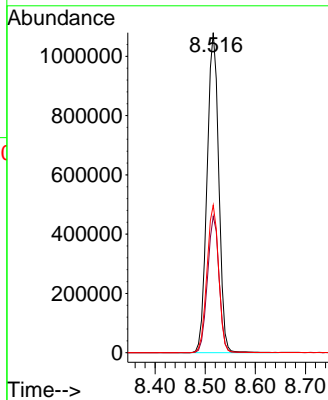
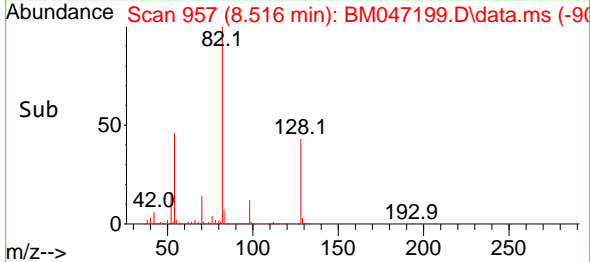
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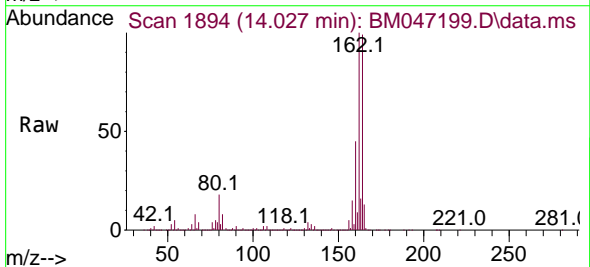
Tgt Ion: 82 Resp: 1752720  
 Ion Ratio Lower Upper  
 82 100  
 128 42.7 32.3 48.5  
 54 46.1 37.4 56.2

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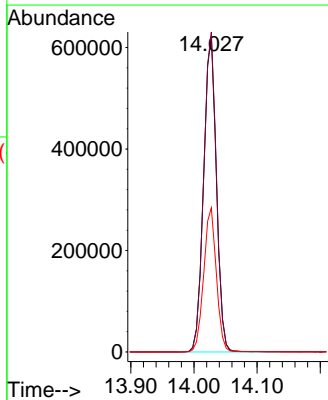
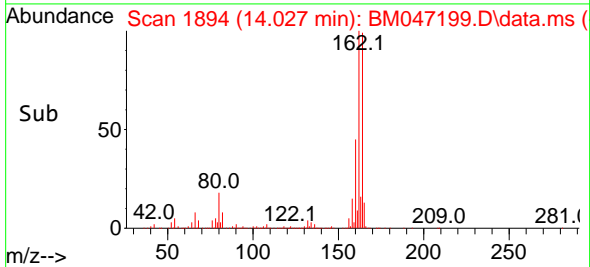
Reviewed By :Jagrut Upadhyay 08/15/2024  
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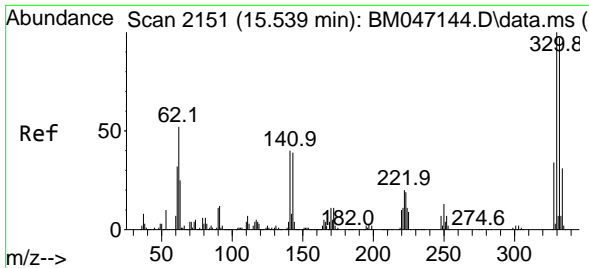


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.027 min Scan# 1894  
 Delta R.T. -0.006 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11



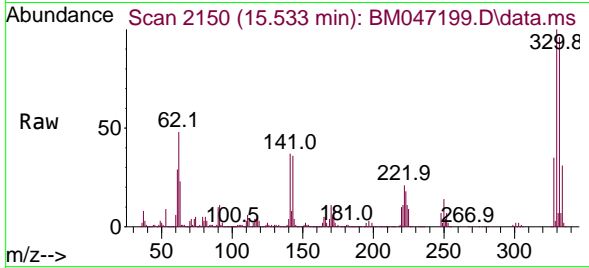
Tgt Ion:164 Resp: 876541  
 Ion Ratio Lower Upper  
 164 100  
 162 101.2 80.7 121.1  
 160 45.6 36.0 54.0





#42  
 2,4,6-Tribromophenol  
 Concen: 99.560 ng  
 RT: 15.533 min Scan# 2150  
 Delta R.T. -0.006 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11

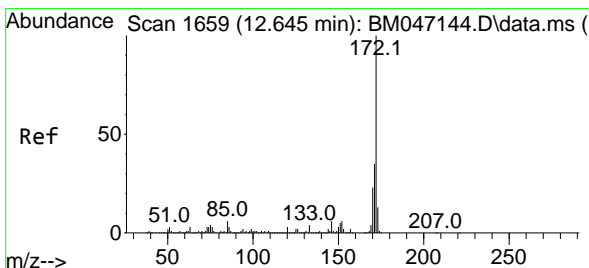
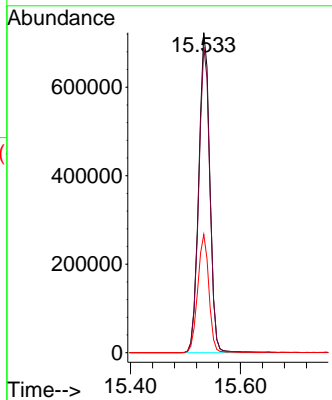
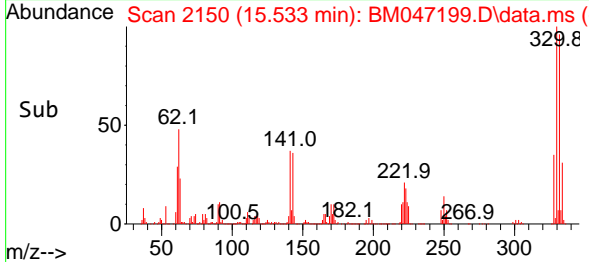
Instrument :  
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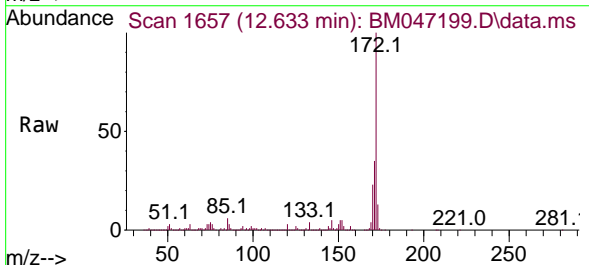
Tgt Ion:330 Resp: 101189  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 77.4 116.2  
 141 37.0 31.6 47.4

Manual Integrations  
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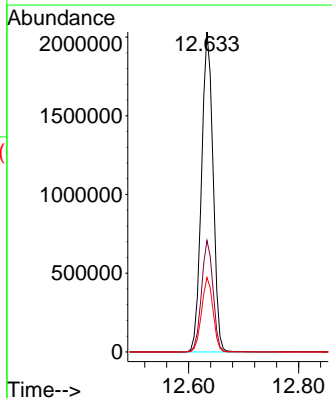
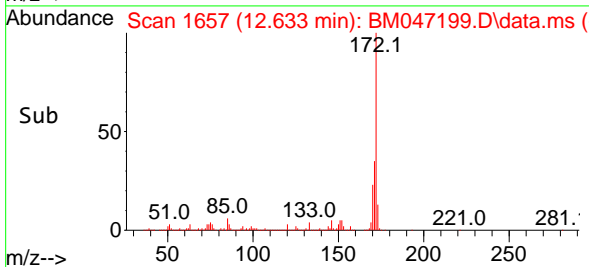
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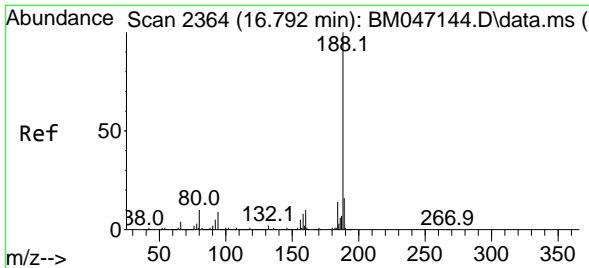


#45  
 2-Fluorobiphenyl  
 Concen: 52.195 ng  
 RT: 12.633 min Scan# 1657  
 Delta R.T. -0.012 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11



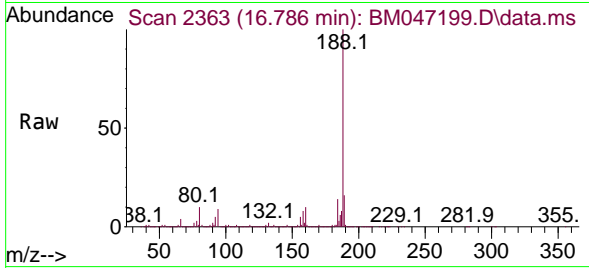
Tgt Ion:172 Resp: 2965981  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 27.8 41.6  
 170 23.3 18.7 28.1





#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 16.786 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11

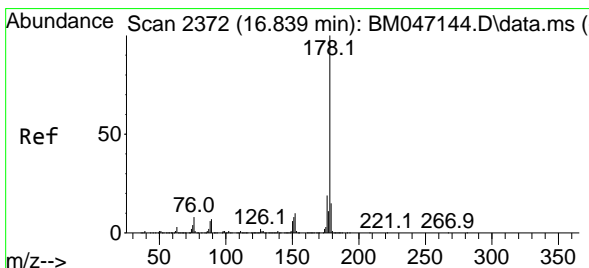
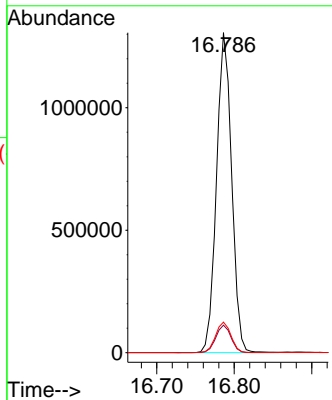
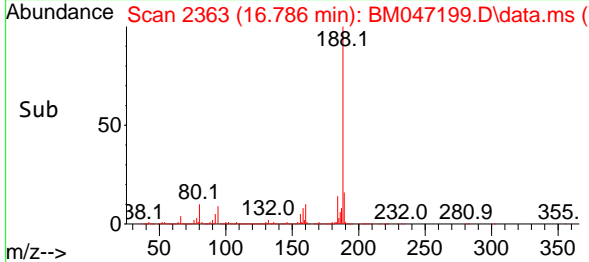
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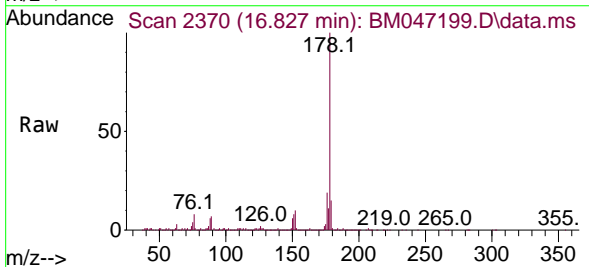
Tgt Ion:188 Resp: 1774490  
 Ion Ratio Lower Upper  
 188 100  
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 80 9.6 8.0 12.0

Manual Integrations  
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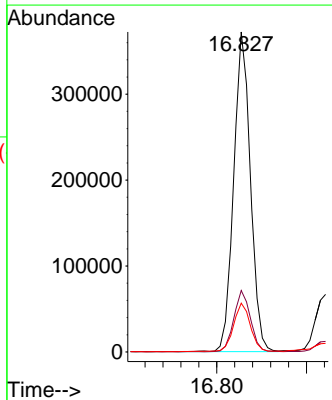
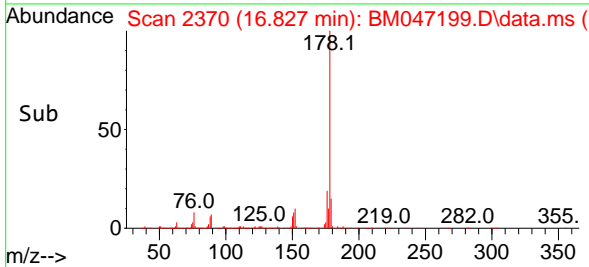
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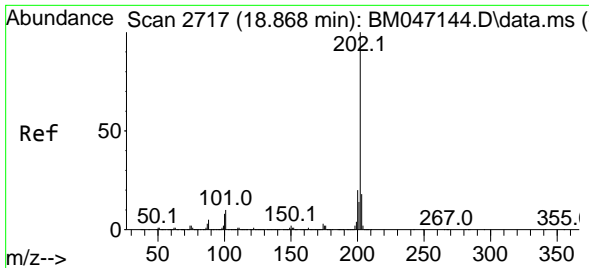
#71  
 Phenanthrene  
 Concen: 5.403 ng  
 RT: 16.827 min Scan# 2370  
 Delta R.T. -0.012 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11



Tgt Ion:178 Resp: 481207  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 15.3 22.9  
 179 15.3 12.4 18.6

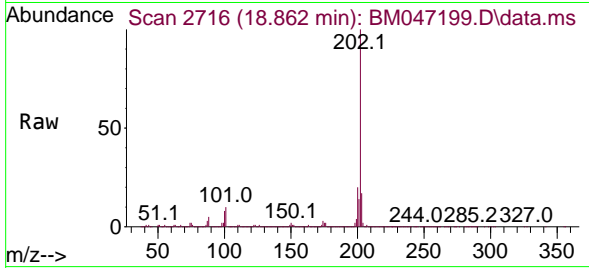






#75  
 Fluoranthene  
 Concen: 12.941 ng  
 RT: 18.862 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11

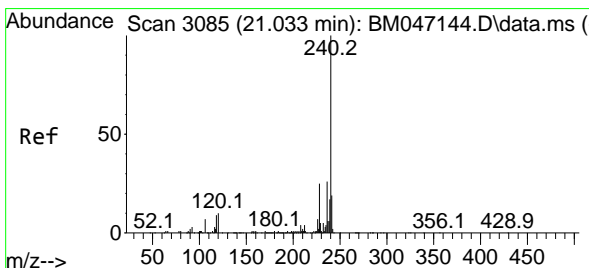
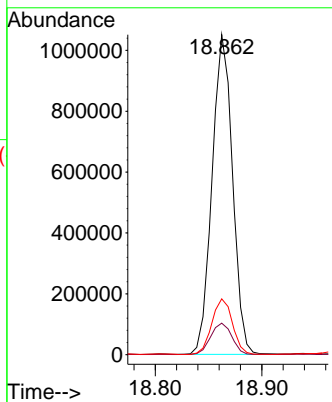
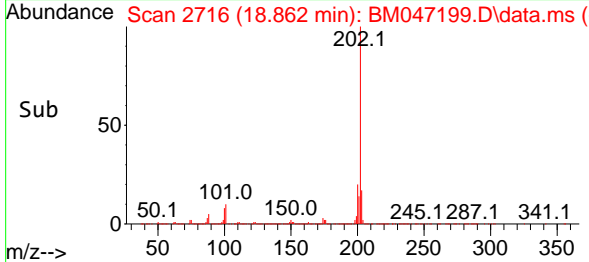
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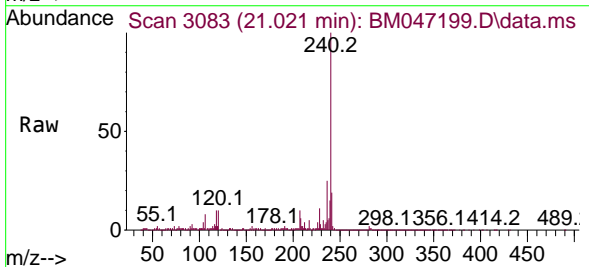
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 203 17.5 0.0 37.6

Manual Integrations  
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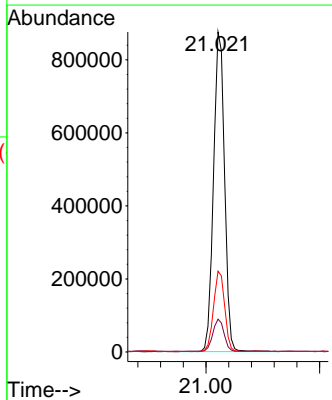
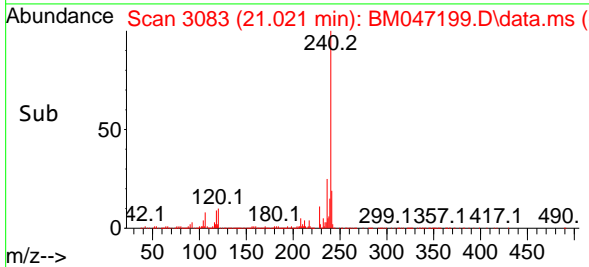
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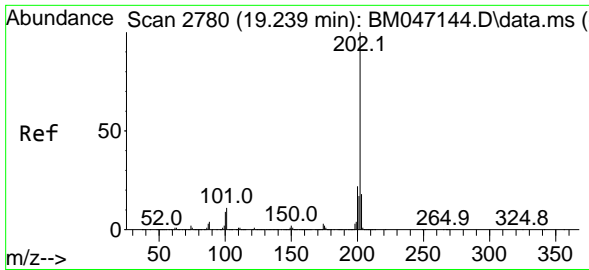


#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.021 min Scan# 3083  
 Delta R.T. -0.012 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11



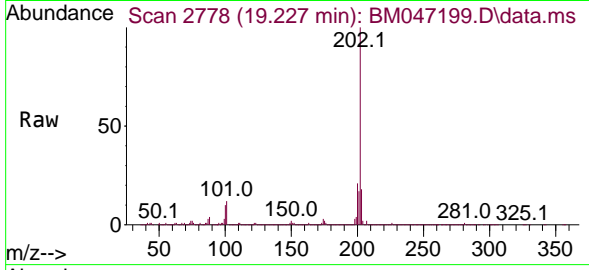
Tgt Ion: 240 Resp: 1176593  
 Ion Ratio Lower Upper  
 240 100  
 120 10.3 8.2 12.2  
 236 25.2 20.6 30.8





#78  
 Pyrene  
 Concen: 13.920 ng  
 RT: 19.227 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11

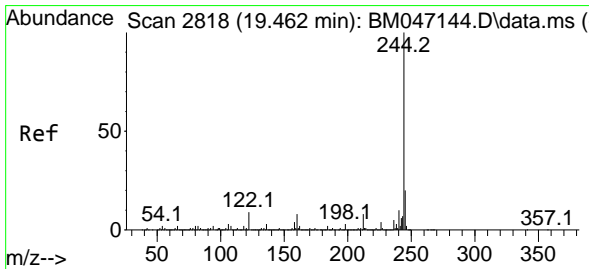
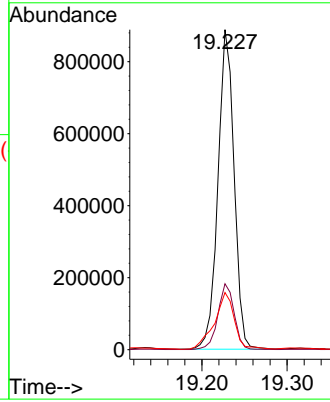
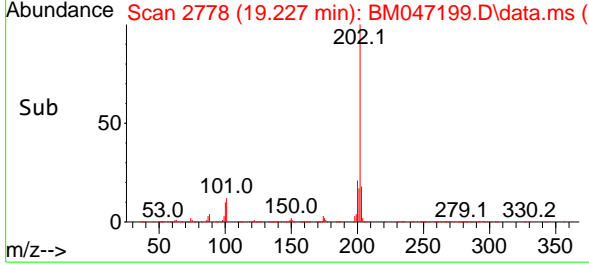
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OU4-TS-21-080724



Tgt Ion:202 Resp: 1169414  
 Ion Ratio Lower Upper  
 202 100  
 200 20.6 17.2 25.8  
 203 17.9 14.2 21.2

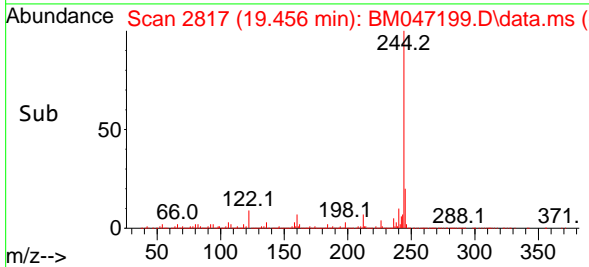
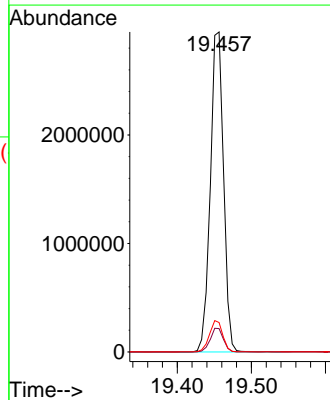
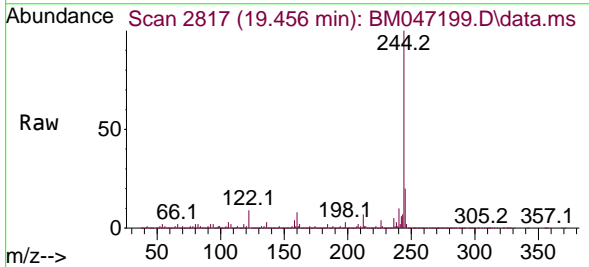
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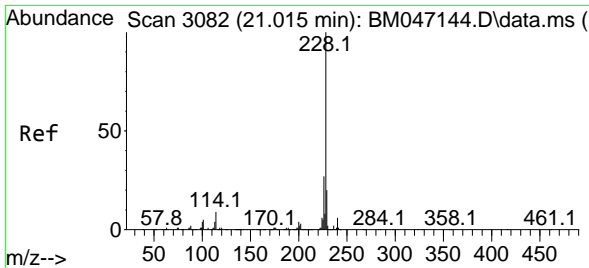
Reviewed By :Jagrut Upadhyay 08/15/2024  
 Supervised By :mohammad ahmed 08/16/2024



#79  
 Terphenyl-d14  
 Concen: 66.457 ng  
 RT: 19.456 min Scan# 2817  
 Delta R.T. -0.006 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11

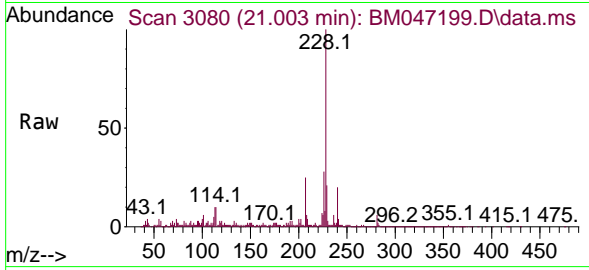
Tgt Ion:244 Resp: 3649182  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.2 9.4  
 122 9.2 7.1 10.7





#81  
 Benzo(a)anthracene  
 Concen: 6.182 ng  
 RT: 21.003 min Scan# 3080  
 Delta R.T. -0.012 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11

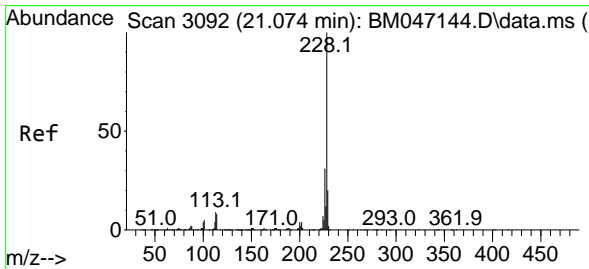
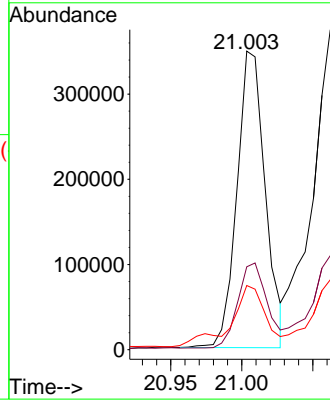
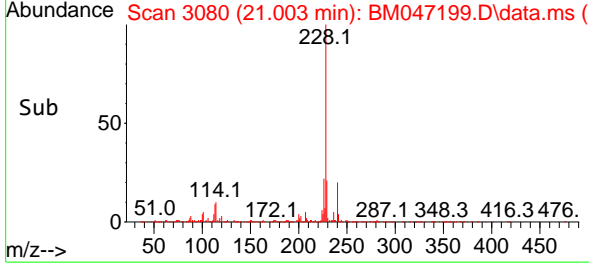
Instrument :  
 BNA\_M  
 ClientSampleId :  
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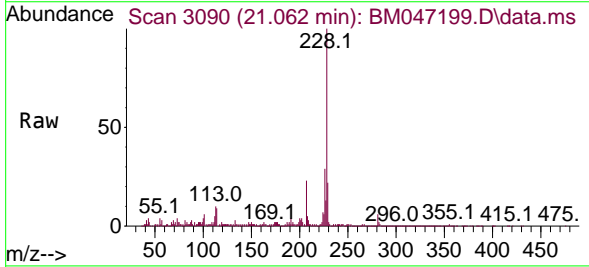
Tgt Ion:228 Resp: 482894  
 Ion Ratio Lower Upper  
 228 100  
 226 27.8 21.8 32.6  
 229 21.5 15.8 23.8

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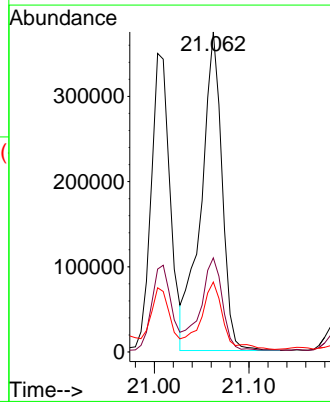
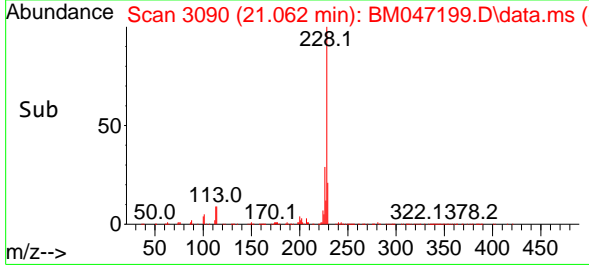
Reviewed By :Jagrut Upadhyay 08/15/2024  
 Supervised By :mohammad ahmed 08/16/2024

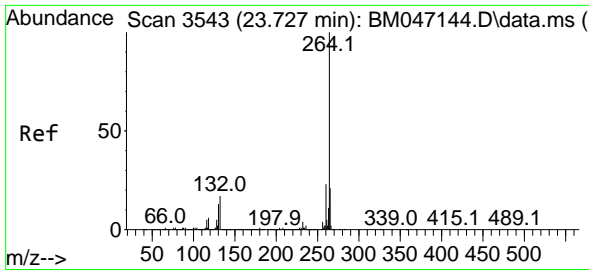


#83  
 Chrysene  
 Concen: 7.745 ng  
 RT: 21.062 min Scan# 3090  
 Delta R.T. -0.012 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11



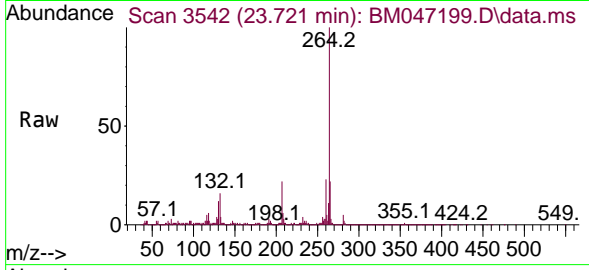
Tgt Ion:228 Resp: 573949  
 Ion Ratio Lower Upper  
 228 100  
 226 29.4 24.4 36.6  
 229 21.9 15.7 23.5





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.721 min Scan# 31  
 Delta R.T. -0.006 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11

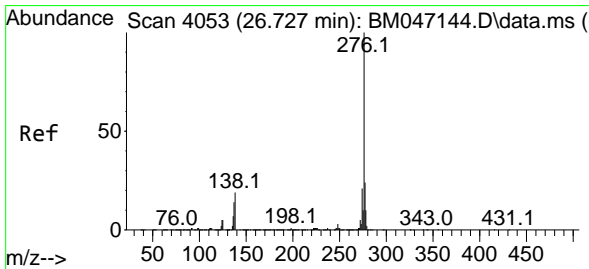
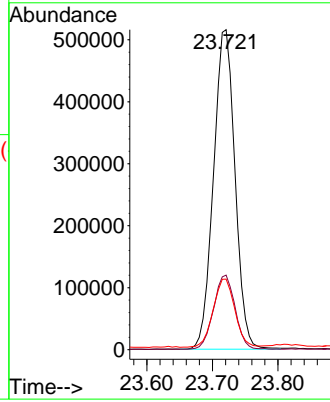
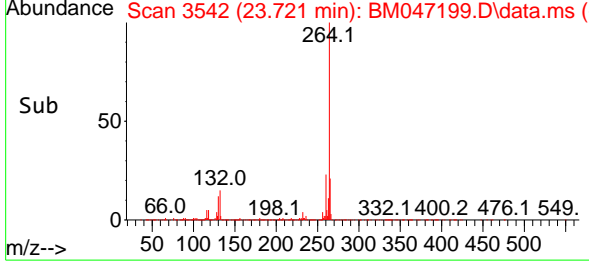
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OU4-TS-21-080724



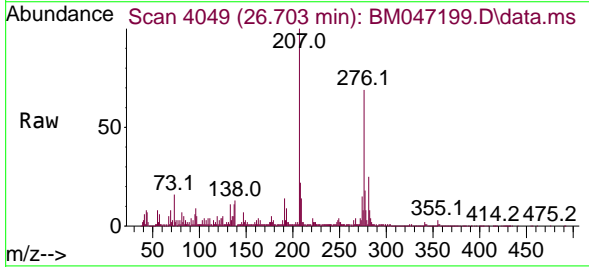
Tgt Ion: 264 Resp: 117259  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 18.5 27.7  
 265 22.1 17.3 25.9

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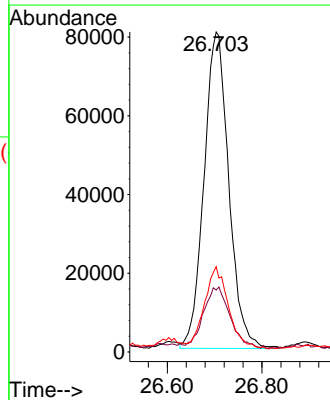
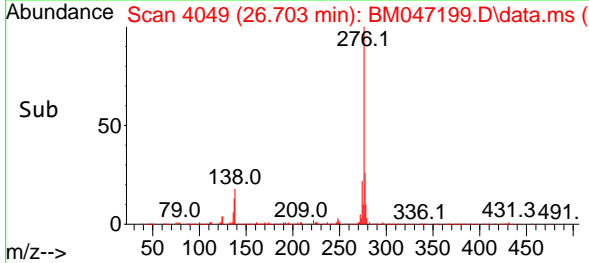
Reviewed By :Jagrut Upadhyay 08/15/2024  
 Supervised By :mohammad ahmed 08/16/2024

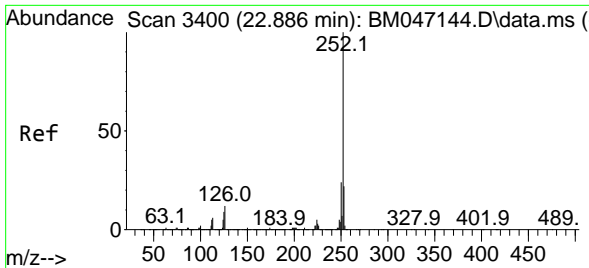


#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.857 ng  
 RT: 26.703 min Scan# 4049  
 Delta R.T. -0.024 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11



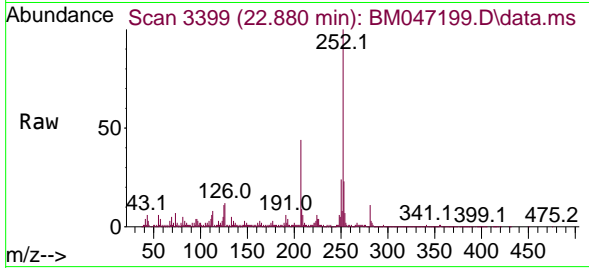
Tgt Ion: 276 Resp: 292372  
 Ion Ratio Lower Upper  
 276 100  
 138 20.7 19.4 29.0  
 277 25.1 20.1 30.1





#88  
 Benzo(b)fluoranthene  
 Concen: 9.852 ng  
 RT: 22.880 min Scan# 31  
 Delta R.T. -0.006 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11

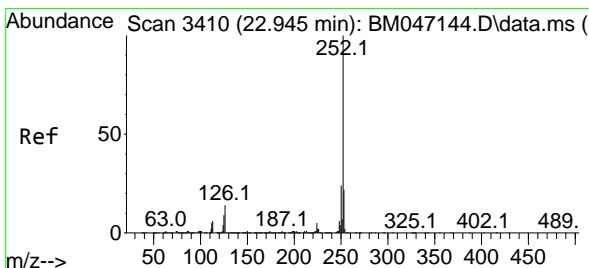
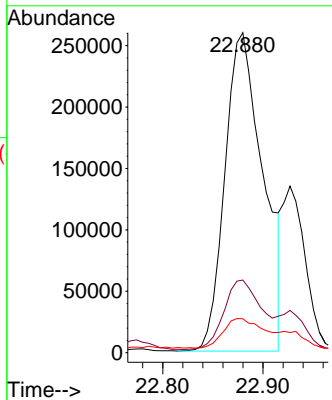
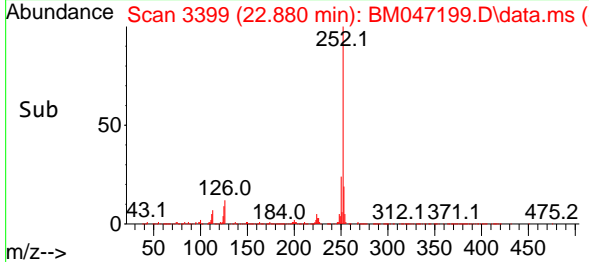
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OU4-TS-21-080724



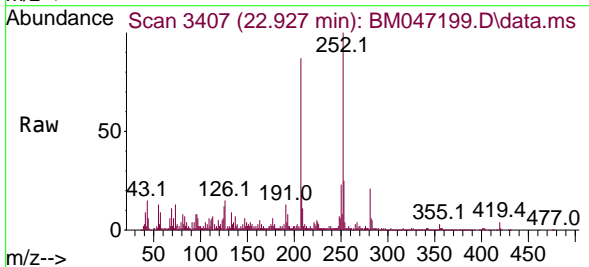
Tgt Ion:252 Resp: 686060  
 Ion Ratio Lower Upper  
 252 100  
 253 22.7 17.8 26.6  
 125 10.6 7.4 11.0

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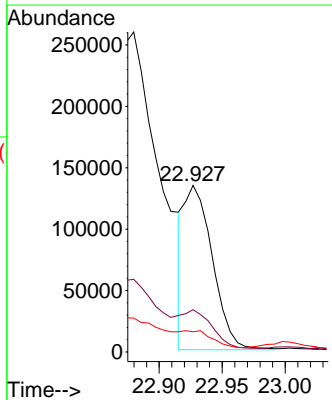
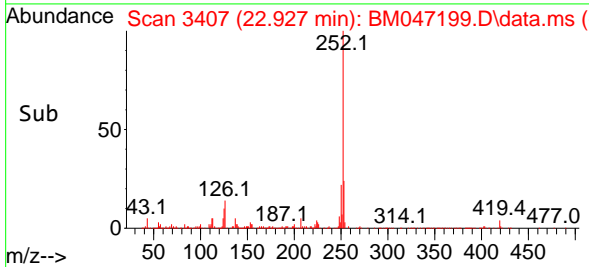
Reviewed By :Jagrut Upadhyay 08/15/2024  
 Supervised By :mohammad ahmed 08/16/2024

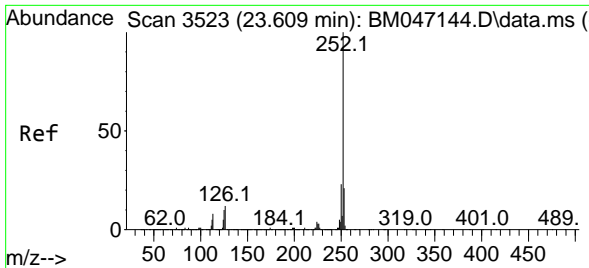


#89  
 Benzo(k)fluoranthene  
 Concen: 3.196 ng m  
 RT: 22.927 min Scan# 3407  
 Delta R.T. -0.018 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11



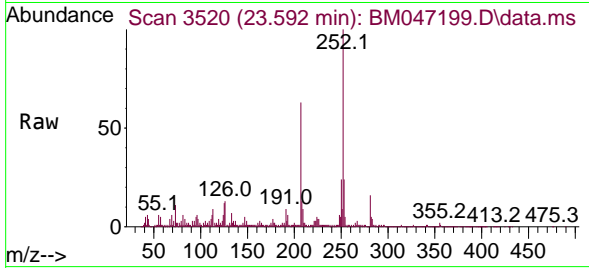
Tgt Ion:252 Resp: 210242  
 Ion Ratio Lower Upper  
 252 100  
 253 25.3 17.7 26.5  
 125 12.1 7.4 11.2#





#90  
 Benzo(a)pyrene  
 Concen: 6.643 ng  
 RT: 23.592 min Scan# 31  
 Delta R.T. -0.018 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11

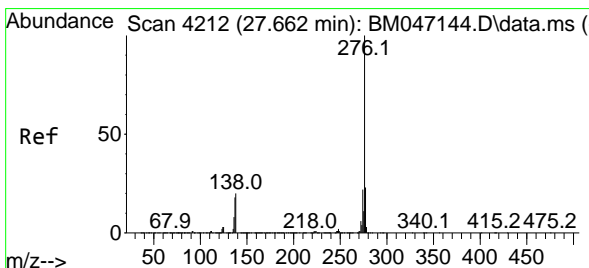
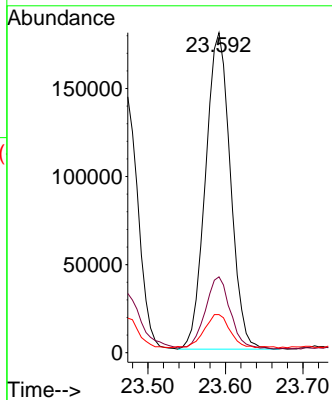
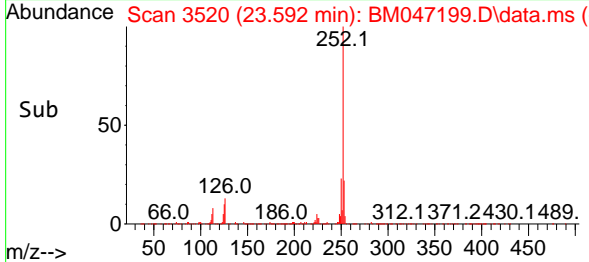
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OU4-TS-21-080724



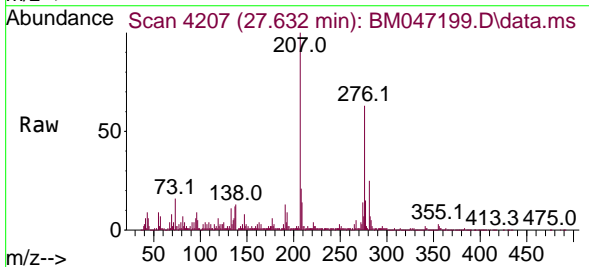
Tgt Ion:252 Resp: 40072  
 Ion Ratio Lower Upper  
 252 100  
 253 23.7 17.1 25.7  
 125 11.9 8.2 12.2

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Reviewed By :Jagrut Upadhyay 08/15/2024  
 Supervised By :mohammad ahmed 08/16/2024



#92  
 Benzo(g,h,i)perylene  
 Concen: 4.459 ng  
 RT: 27.632 min Scan# 4207  
 Delta R.T. -0.029 min  
 Lab File: BM047199.D  
 Acq: 14 Aug 2024 20:11



Tgt Ion:276 Resp: 283997  
 Ion Ratio Lower Upper  
 276 100  
 277 24.2 18.8 28.2  
 138 21.3 16.2 24.4

