

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081924\  
 Data File : BM047261.D  
 Acq On : 19 Aug 2024 20:48  
 Operator : RC/JU  
 Sample : P3643-07  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

**Instrument :**  
 BNA\_M  
**ClientSampleId :**  
 918-J-SD-0-0.5-081524

**Manual Integrations**  
**APPROVED**

Reviewed By :Jagrut Upadhyay 08/20/2024  
 Supervised By :mohammad ahmed 08/21/2024

Quant Time: Aug 20 02:02:15 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)	Qvalue
<b>Internal Standards</b>							
1) 1,4-Dichlorobenzene-d4	7.363	152	260350	20.000	ng	-0.01	
21) Naphthalene-d8	10.116	136	996410	20.000	ng	-0.02	
39) Acenaphthene-d10	14.022	164	673496	20.000	ng	-0.01	
64) Phenanthrene-d10	16.786	188	1492753	20.000	ng	0.00	
76) Chrysene-d12	21.027	240	1275668	20.000	ng	0.00	
86) Perylene-d12	23.727	264	1234670	20.000	ng	0.00	
<b>System Monitoring Compounds</b>							
5) 2-Fluorophenol	5.016	112	1388859	95.321	ng	0.00	
7) Phenol-d6	6.575	99	1848958	92.094	ng	-0.01	
23) Nitrobenzene-d5	8.510	82	1090257	55.096	ng	-0.01	
42) 2,4,6-Tribromophenol	15.533	330	833761	106.765	ng	0.00	
45) 2-Fluorobiphenyl	12.628	172	1939340	44.417	ng	-0.02	
79) Terphenyl-d14	19.457	244	2583253	43.391	ng	0.00	
<b>Target Compounds</b>							
52) Acenaphthene	14.086	154	73613	2.101	ng		98
71) Phenanthrene	16.833	178	1364097	18.208	ng		99
72) Anthracene	16.921	178	295350	4.052	ng		99
73) Carbazole	17.204	167	157240	2.113	ng		99
75) Fluoranthene	18.868	202	2487337	27.297	ng		98
78) Pyrene	19.233	202	2079221	22.827	ng		99
81) Benzo(a)anthracene	21.009	228	946353	11.175	ng		99
83) Chrysene	21.068	228	936640	11.657	ng		97
87) Indeno(1,2,3-cd)pyrene	26.721	276	431314	5.405	ng	#	95
88) Benzo(b)fluoranthene	22.886	252	1020591	13.919	ng		98
89) Benzo(k)fluoranthene	22.933	252	354271m	5.115	ng		
90) Benzo(a)pyrene	23.603	252	678440	10.681	ng		96
92) Benzo(g,h,i)perylene	27.650	276	417491	6.226	ng		99

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

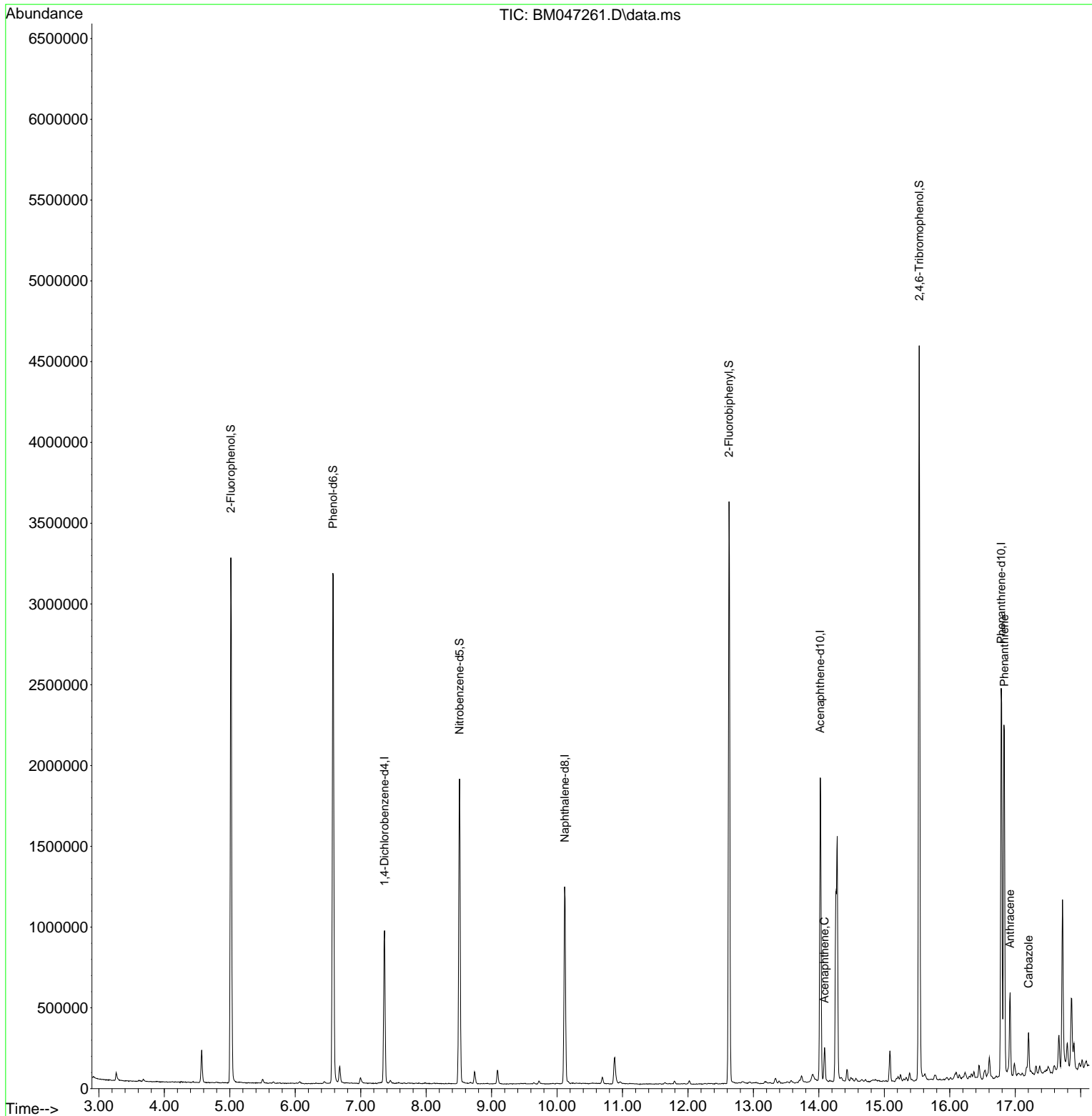
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081924\  
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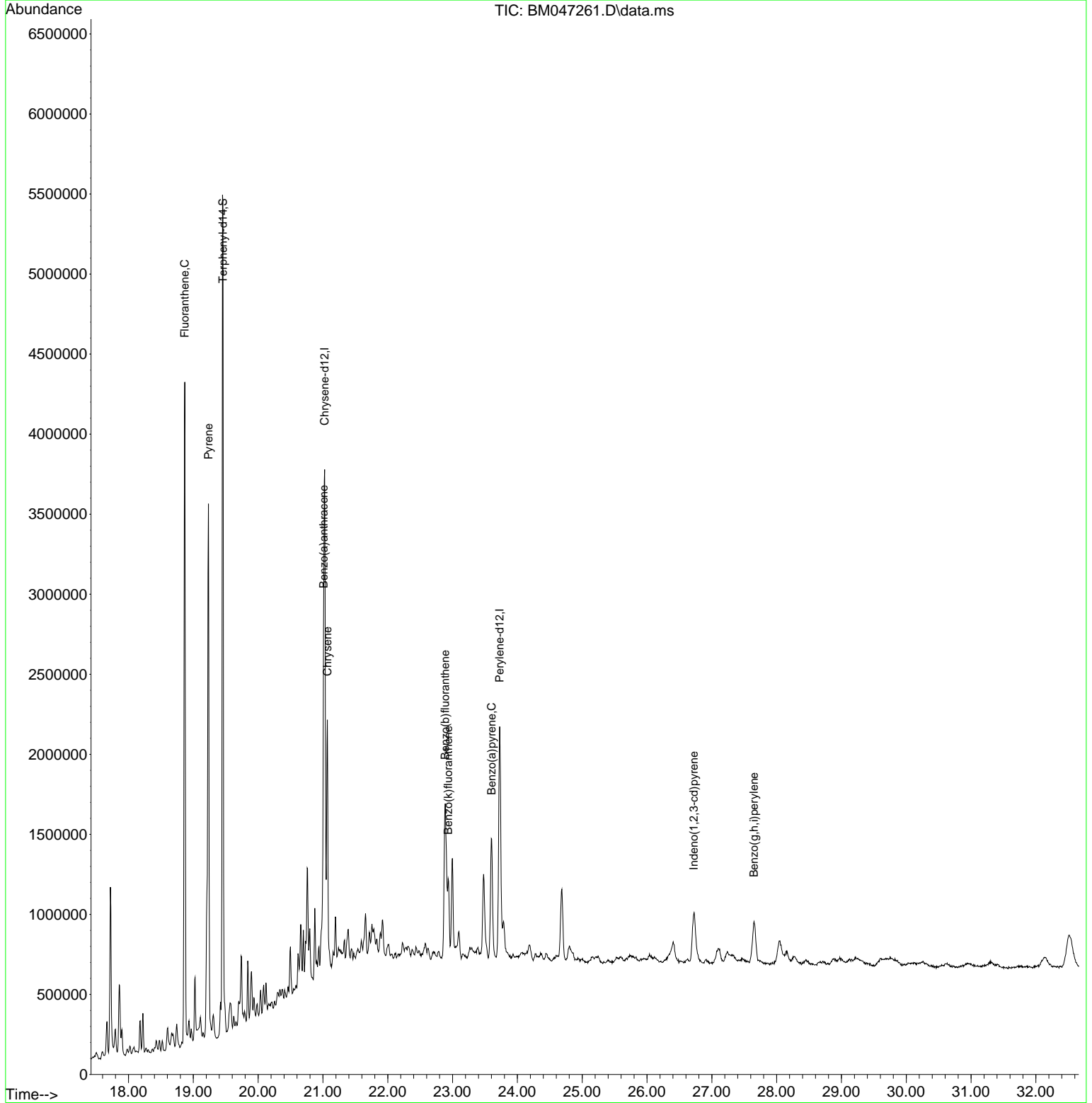
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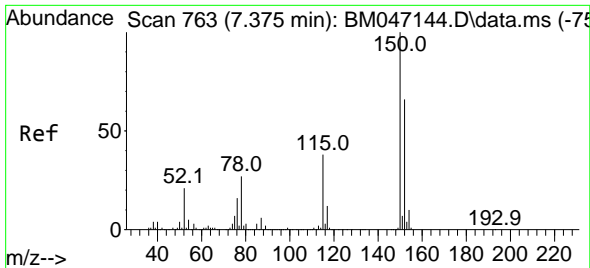
Instrument :  
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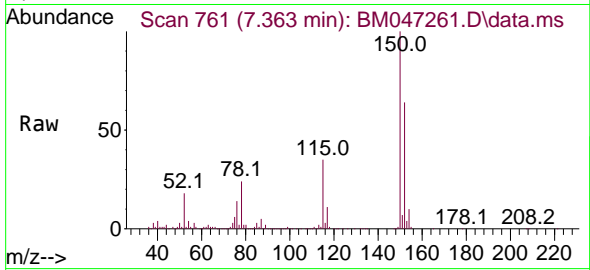
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#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.363 min Scan# 70  
 Delta R.T. -0.012 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48

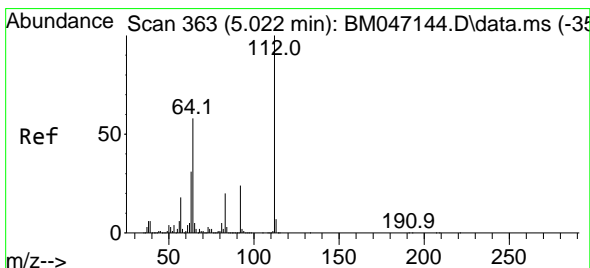
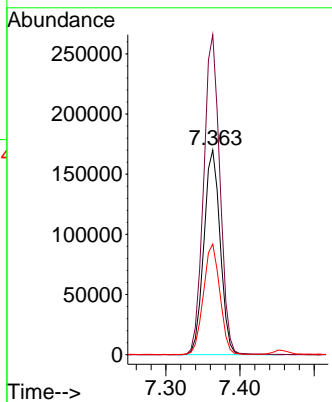
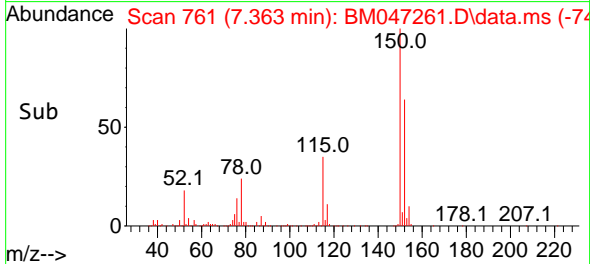
Instrument :  
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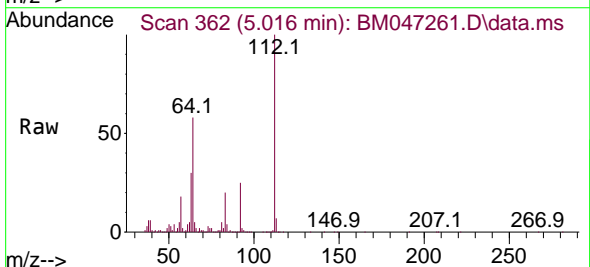
Tgt Ion:152 Resp: 260350  
 Ion Ratio Lower Upper  
 152 100  
 150 156.4 120.5 180.7  
 115 54.1 45.5 68.3

Manual Integrations  
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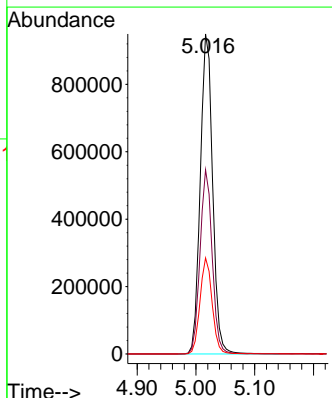
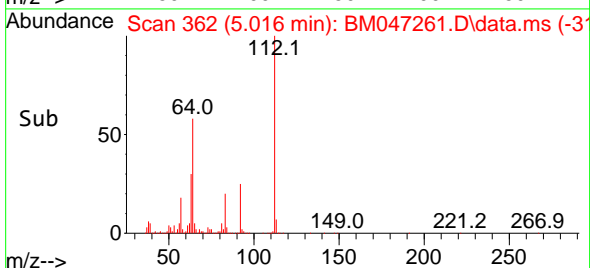
Reviewed By :Jagrut Upadhyay 08/20/2024  
 Supervised By :mohammad ahmed 08/21/2024

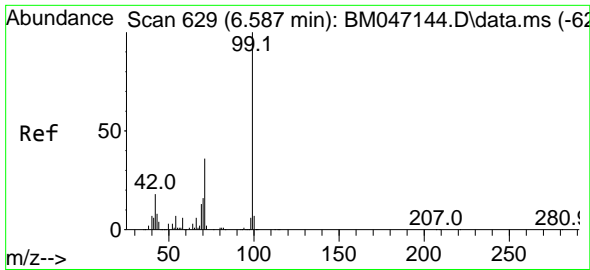


#5  
 2-Fluorophenol  
 Concen: 95.321 ng  
 RT: 5.016 min Scan# 362  
 Delta R.T. -0.006 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48



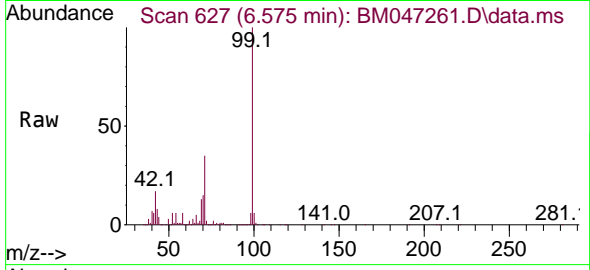
Tgt Ion:112 Resp: 1388859  
 Ion Ratio Lower Upper  
 112 100  
 64 57.5 46.7 70.1  
 63 30.0 24.8 37.2





#7  
 Phenol-d6  
 Concen: 92.094 ng  
 RT: 6.575 min Scan# 61  
 Delta R.T. -0.012 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48

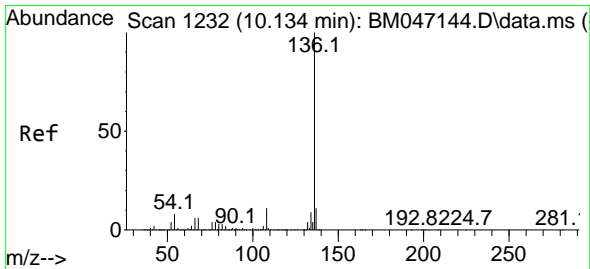
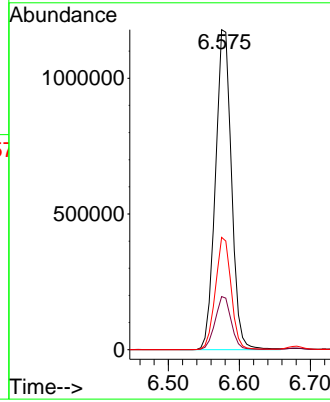
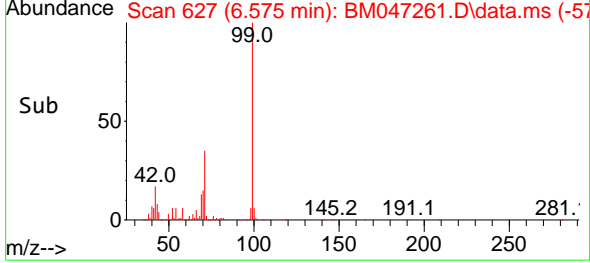
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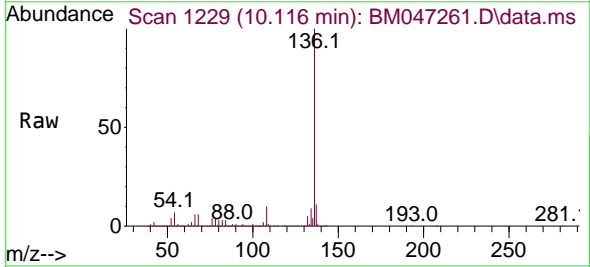
Tgt Ion: 99 Resp: 184895  
 Ion Ratio Lower Upper  
 99 100  
 42 16.6 14.1 21.1  
 71 35.1 28.5 42.7

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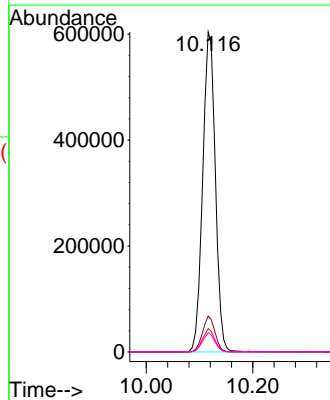
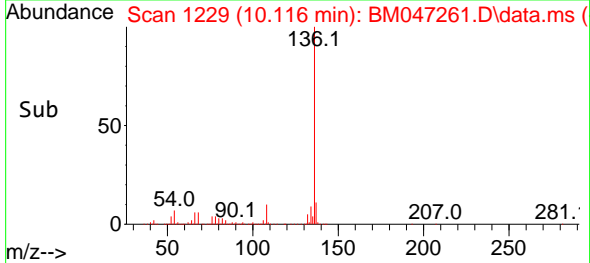
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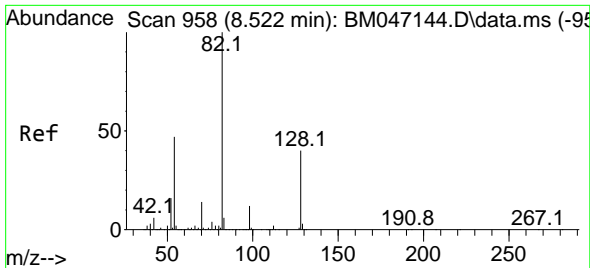


#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 10.116 min Scan# 1229  
 Delta R.T. -0.018 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48



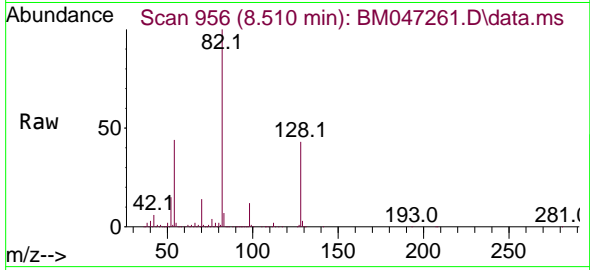
Tgt Ion:136 Resp: 996410  
 Ion Ratio Lower Upper  
 136 100  
 137 11.2 8.8 13.2  
 54 7.3 6.0 9.0  
 68 6.1 4.8 7.2





#23  
 Nitrobenzene-d5  
 Concen: 55.096 ng  
 RT: 8.510 min Scan# 91  
 Delta R.T. -0.012 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48

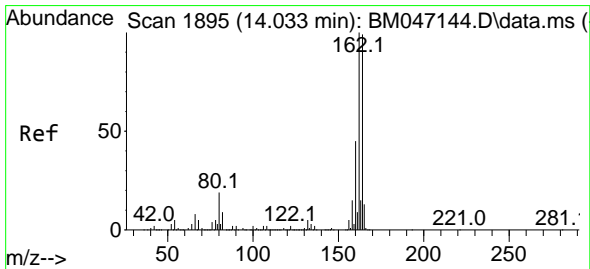
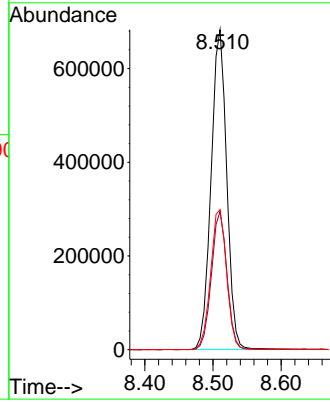
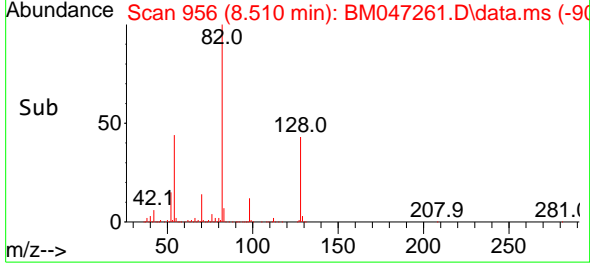
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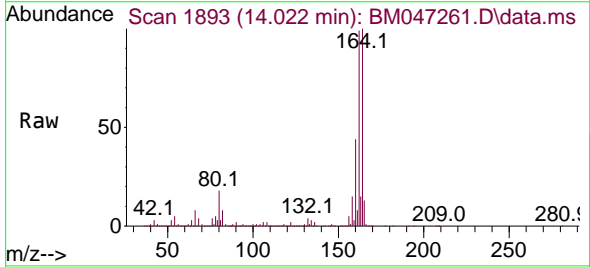
Tgt Ion: 82 Resp: 109025  
 Ion Ratio Lower Upper  
 82 100  
 128 43.2 32.3 48.5  
 54 43.7 37.4 56.2

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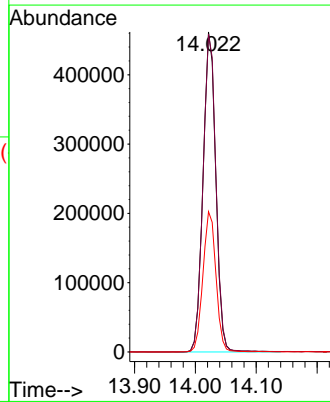
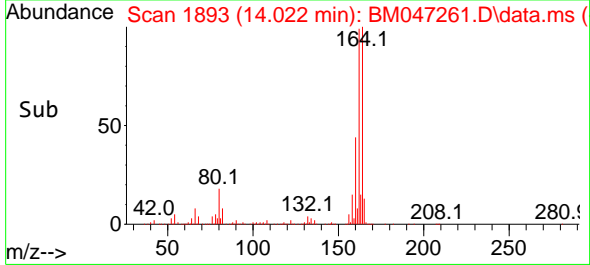
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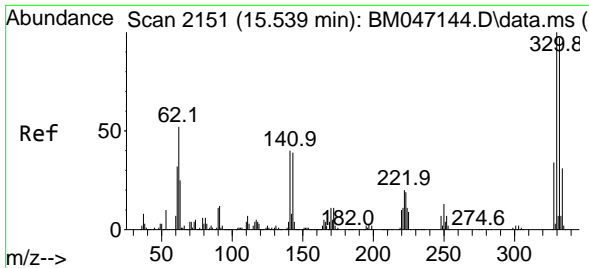


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.022 min Scan# 1893  
 Delta R.T. -0.012 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48



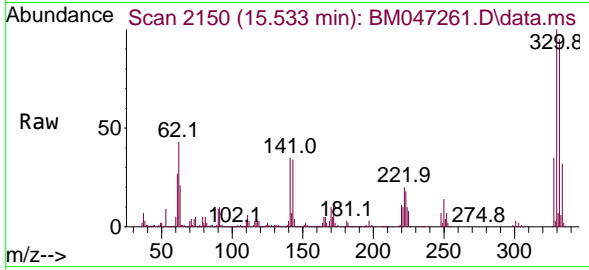
Tgt Ion:164 Resp: 673496  
 Ion Ratio Lower Upper  
 164 100  
 162 99.3 80.7 121.1  
 160 43.8 36.0 54.0





#42  
 2,4,6-Tribromophenol  
 Concen: 106.765 ng  
 RT: 15.533 min Scan# 2150  
 Delta R.T. -0.006 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48

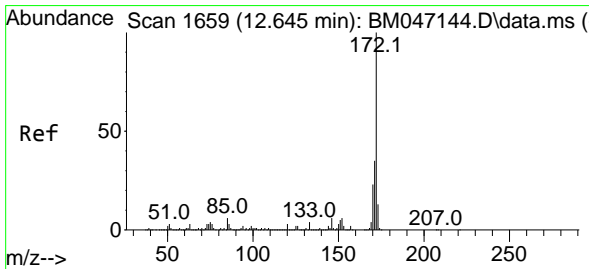
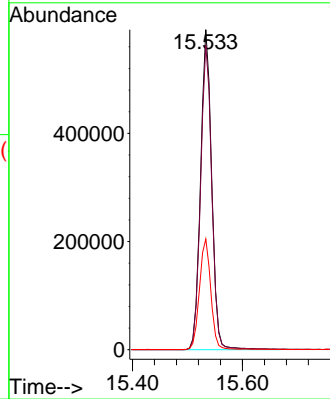
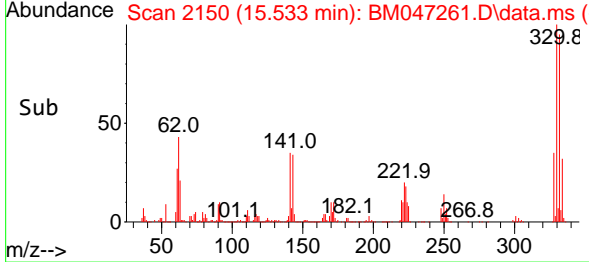
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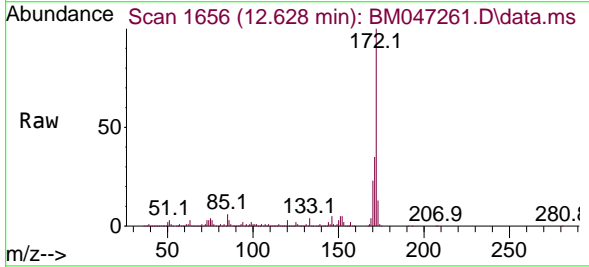
Tgt Ion: 330 Resp: 83376  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 77.4 116.2  
 141 35.3 31.6 47.4

Manual Integrations  
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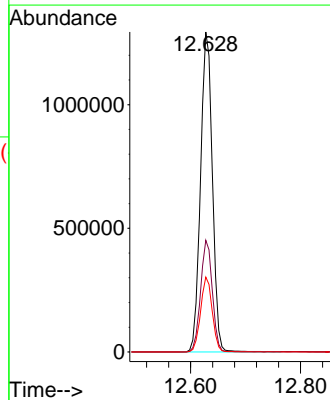
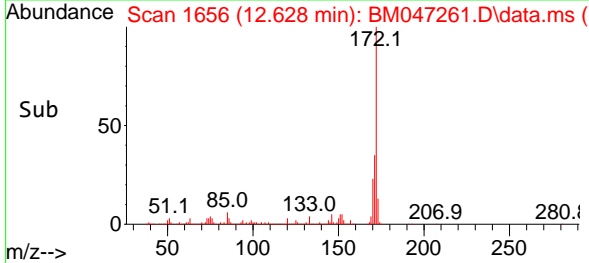
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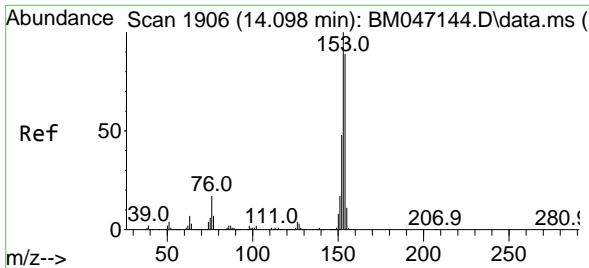


#45  
 2-Fluorobiphenyl  
 Concen: 44.417 ng  
 RT: 12.628 min Scan# 1656  
 Delta R.T. -0.017 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48



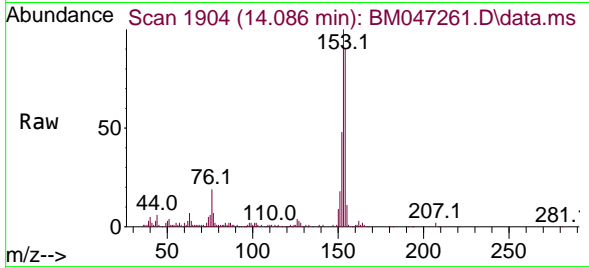
Tgt Ion: 172 Resp: 1939340  
 Ion Ratio Lower Upper  
 172 100  
 171 34.9 27.8 41.6  
 170 23.4 18.7 28.1





#52  
 Acenaphthene  
 Concen: 2.101 ng  
 RT: 14.086 min Scan# 1904  
 Delta R.T. -0.012 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48

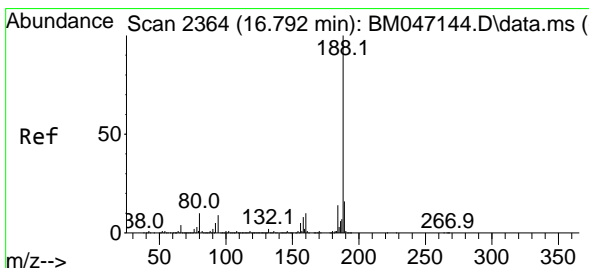
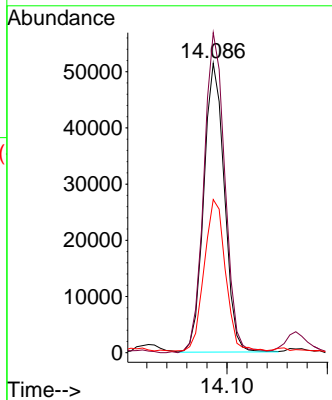
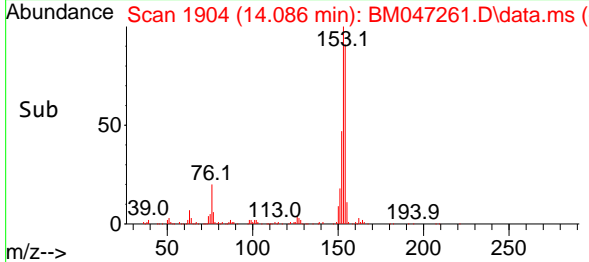
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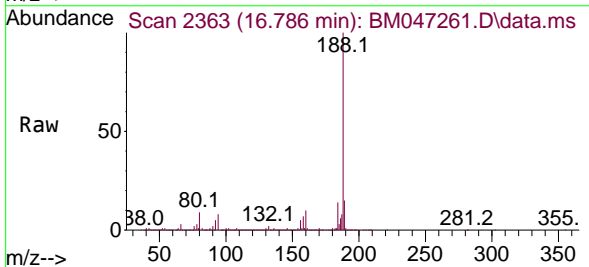
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 Ion Ratio Lower Upper  
 154 100  
 153 110.6 90.3 135.5  
 152 52.9 42.9 64.3

Manual Integrations  
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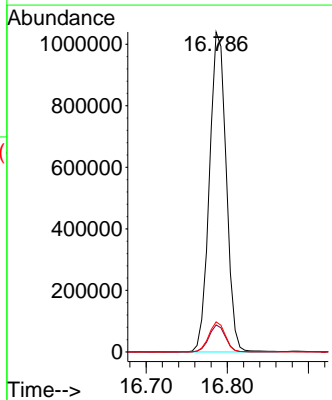
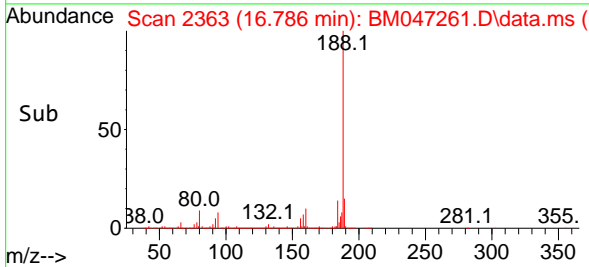
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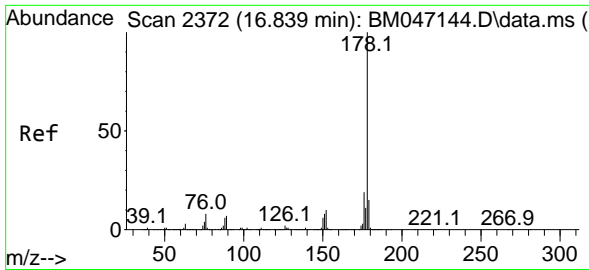
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 16.786 min Scan# 2363  
 Delta R.T. -0.006 min  
 Lab File: BM047261.D  
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Tgt Ion:188 Resp: 1492753  
 Ion Ratio Lower Upper  
 188 100  
 94 8.5 7.0 10.6  
 80 9.4 8.0 12.0

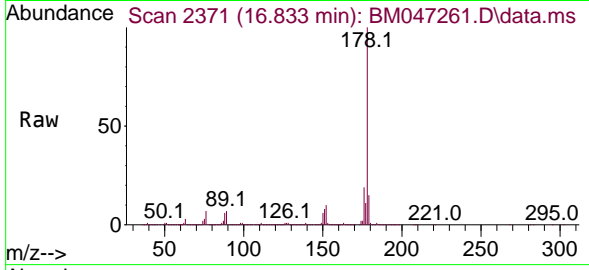






#71  
 Phenanthrene  
 Concen: 18.208 ng  
 RT: 16.833 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48

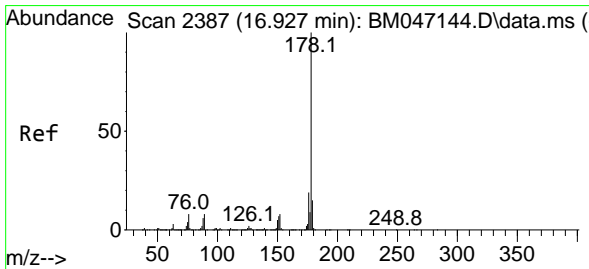
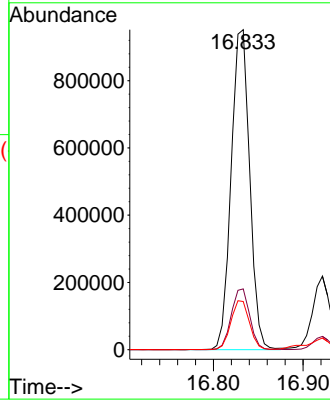
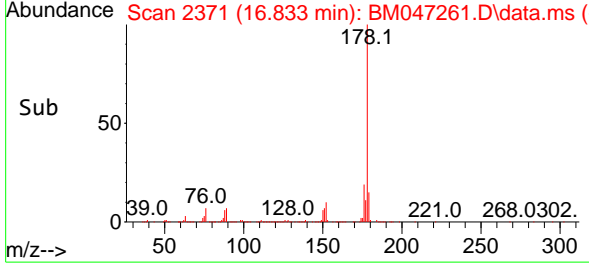
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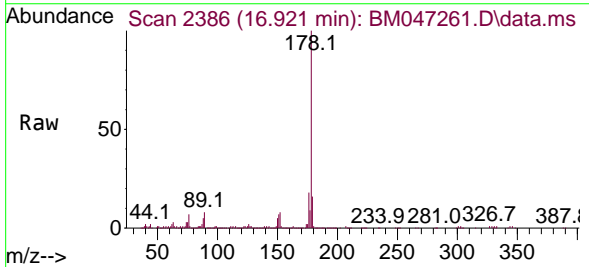
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 179 15.0 12.4 18.6

Manual Integrations  
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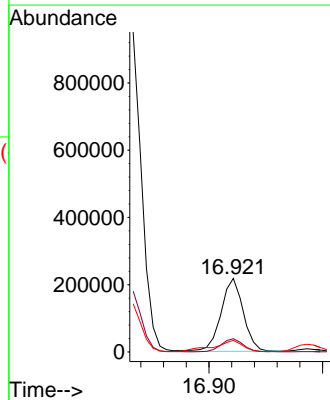
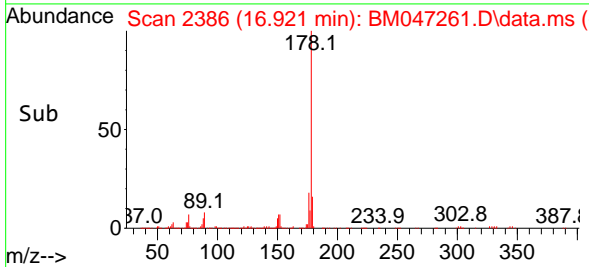
Reviewed By :Jagrut Upadhyay 08/20/2024  
 Supervised By :mohammad ahmed 08/21/2024

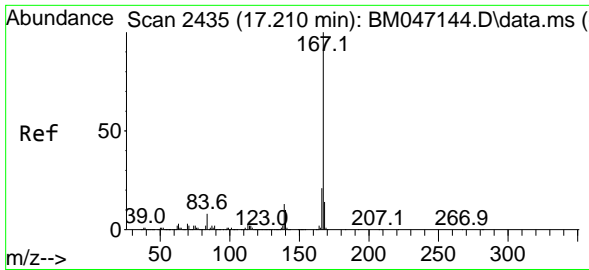


#72  
 Anthracene  
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 Delta R.T. -0.006 min  
 Lab File: BM047261.D  
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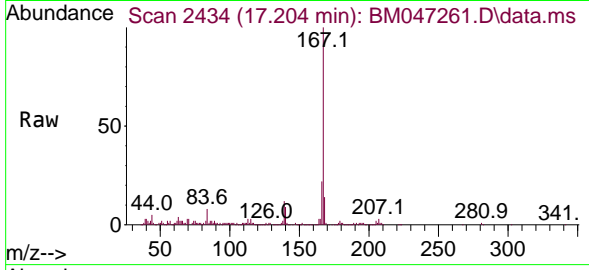
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 Ion Ratio Lower Upper  
 178 100  
 176 18.1 14.8 22.2  
 179 15.9 12.4 18.6





#73  
 Carbazole  
 Concen: 2.113 ng  
 RT: 17.204 min Scan# 2434  
 Delta R.T. -0.006 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48

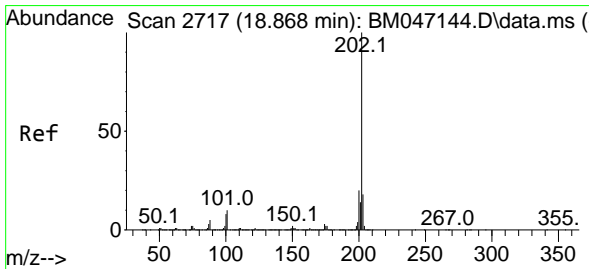
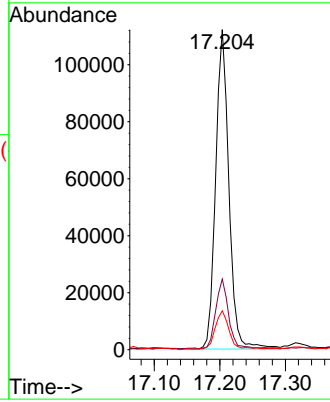
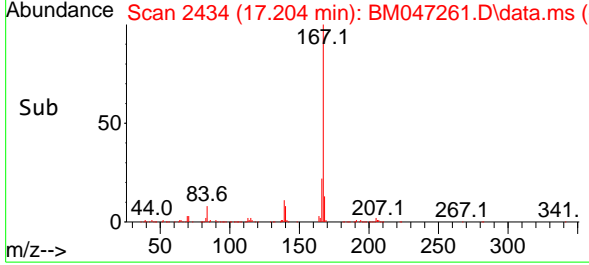
Instrument : BNA\_M  
 Client Sample Id : 918-J-SD-0-0.5-081524



Tgt Ion:167 Resp: 157240  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 17.1 25.7  
 139 12.2 10.0 15.0

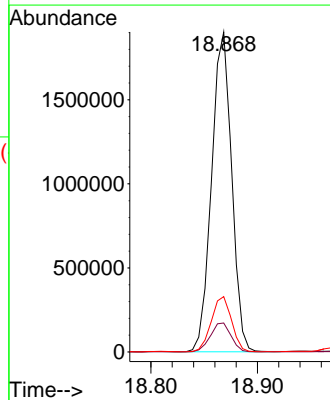
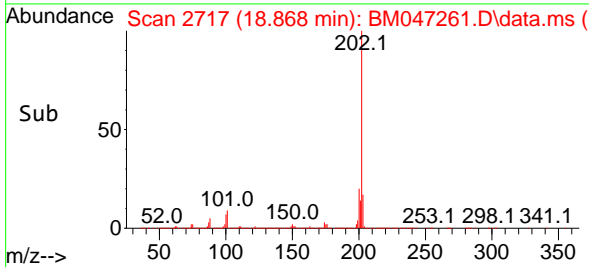
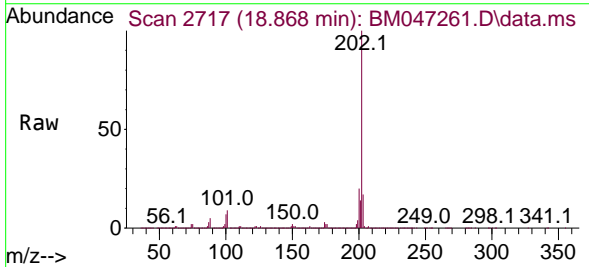
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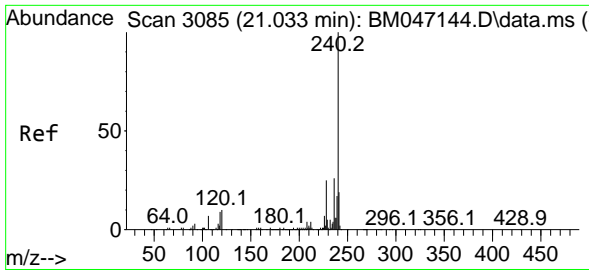
Reviewed By :Jagrut Upadhyay 08/20/2024  
 Supervised By :mohammad ahmed 08/21/2024



#75  
 Fluoranthene  
 Concen: 27.297 ng  
 RT: 18.868 min Scan# 2717  
 Delta R.T. -0.000 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48

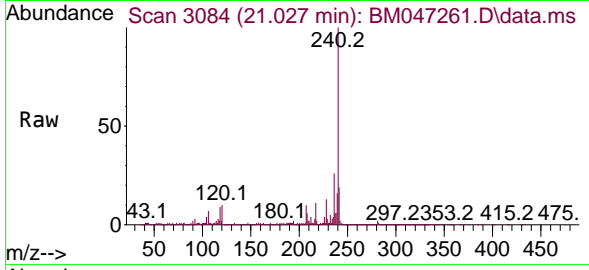
Tgt Ion:202 Resp: 2487337  
 Ion Ratio Lower Upper  
 202 100  
 101 9.1 0.0 30.2  
 203 17.3 0.0 37.6





#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.027 min Scan# 3084  
 Delta R.T. -0.006 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48

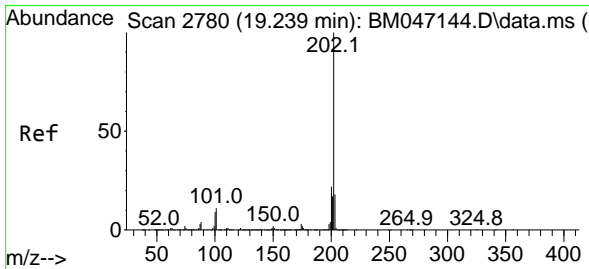
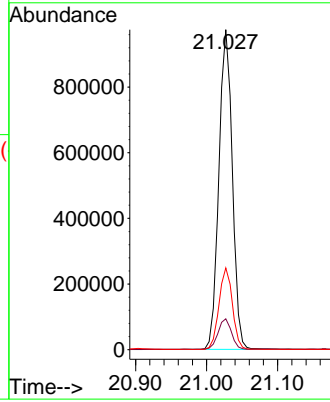
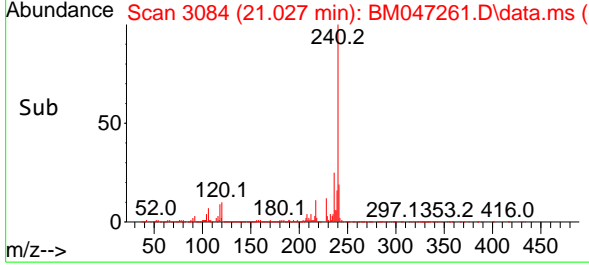
Instrument : BNA\_M  
 ClientSampleId : 918-J-SD-0-0.5-081524



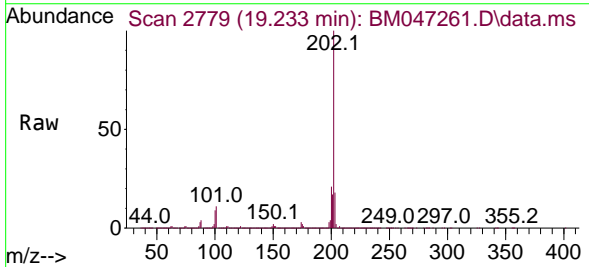
Tgt Ion:240 Resp: 127566  
 Ion Ratio Lower Upper  
 240 100  
 120 9.7 8.2 12.2  
 236 25.6 20.6 30.8

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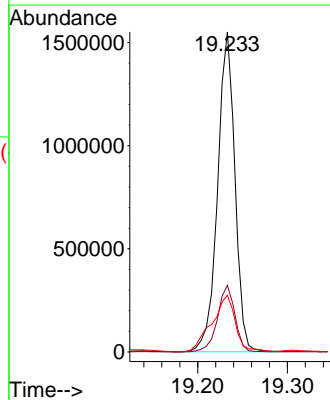
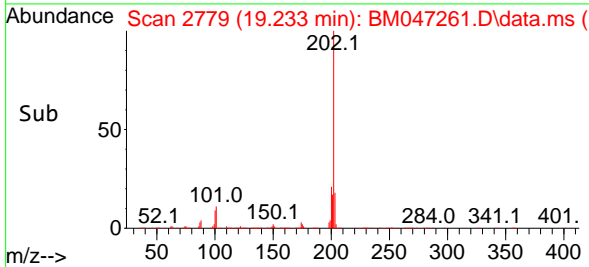
Reviewed By :Jagrut Upadhyay 08/20/2024  
 Supervised By :mohammad ahmed 08/21/2024

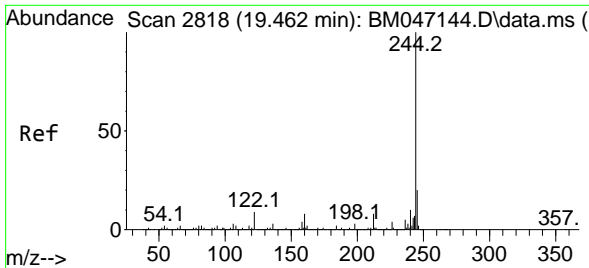


#78  
 Pyrene  
 Concen: 22.827 ng  
 RT: 19.233 min Scan# 2779  
 Delta R.T. -0.006 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48



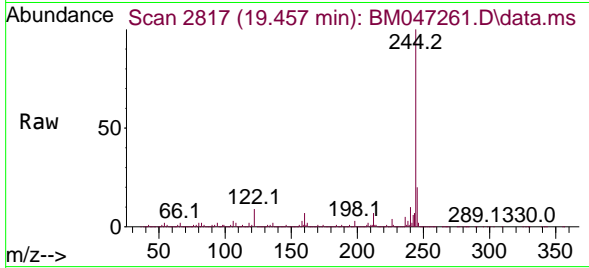
Tgt Ion:202 Resp: 2079221  
 Ion Ratio Lower Upper  
 202 100  
 200 20.8 17.2 25.8  
 203 17.8 14.2 21.2





#79  
 Terphenyl-d14  
 Concen: 43.391 ng  
 RT: 19.457 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48

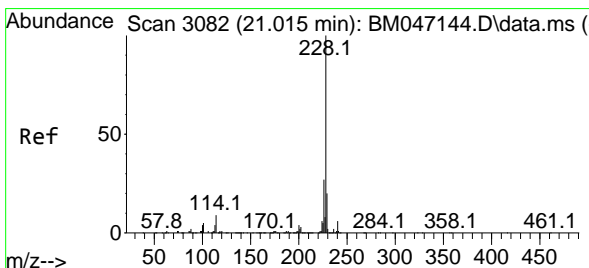
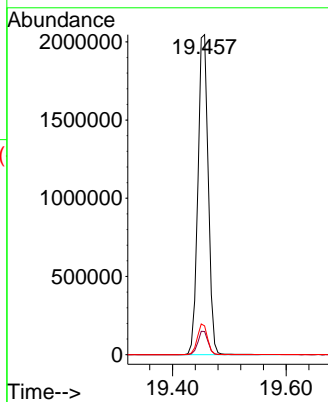
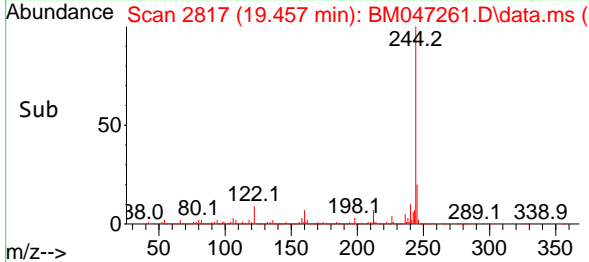
Instrument :  
 BNA\_M  
 ClientSampleId :  
 918-J-SD-0-0.5-081524



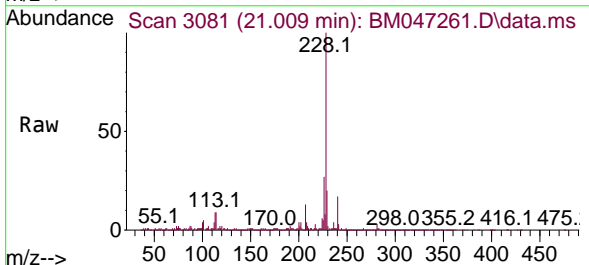
Tgt Ion:244 Resp: 258325  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.2 9.4  
 122 9.0 7.1 10.7

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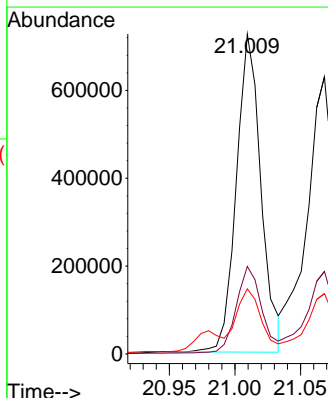
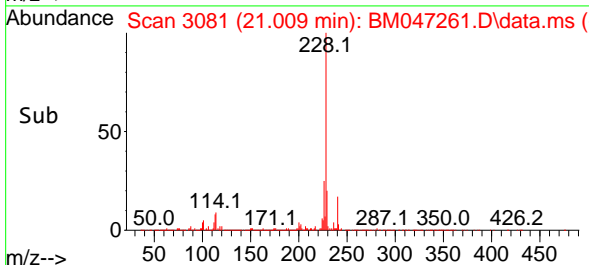
Reviewed By :Jagrut Upadhyay 08/20/2024  
 Supervised By :mohammad ahmed 08/21/2024

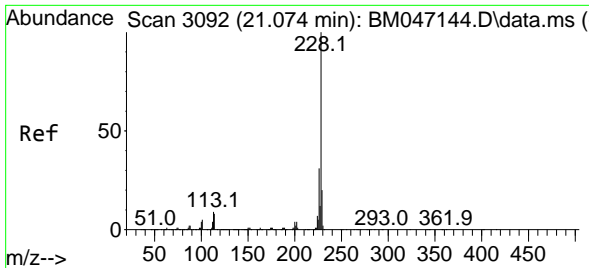


#81  
 Benzo(a)anthracene  
 Concen: 11.175 ng  
 RT: 21.009 min Scan# 3081  
 Delta R.T. -0.006 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48



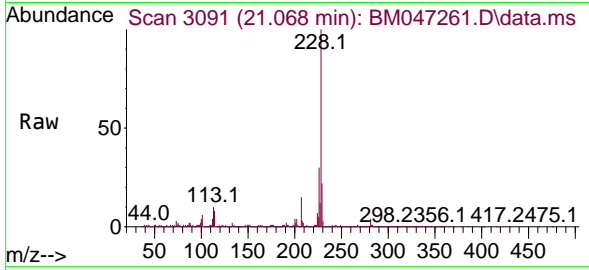
Tgt Ion:228 Resp: 946353  
 Ion Ratio Lower Upper  
 228 100  
 226 27.4 21.8 32.6  
 229 20.4 15.8 23.8





#83  
 Chrysene  
 Concen: 11.657 ng  
 RT: 21.068 min Scan# 3091  
 Delta R.T. -0.006 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48

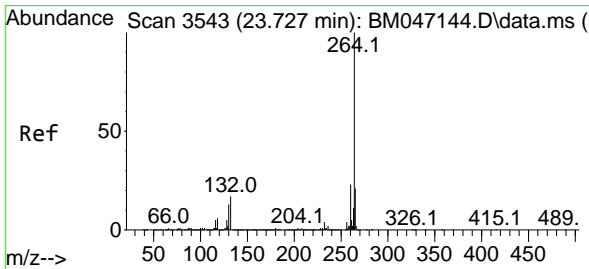
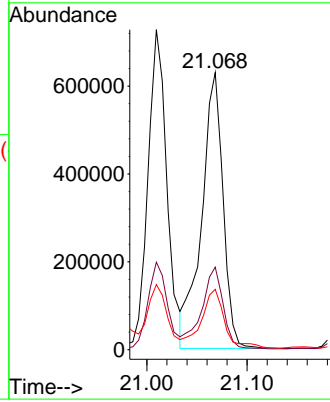
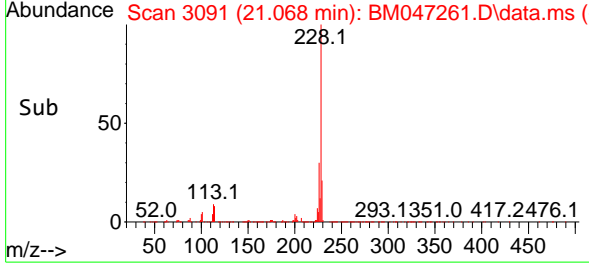
Instrument : BNA\_M  
 Client Sample Id : 918-J-SD-0-0.5-081524



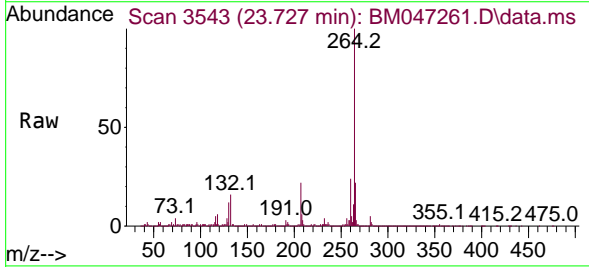
Tgt Ion: 228 Resp: 936640  
 Ion Ratio Lower Upper  
 228 100  
 226 29.8 24.4 36.6  
 229 21.7 15.7 23.5

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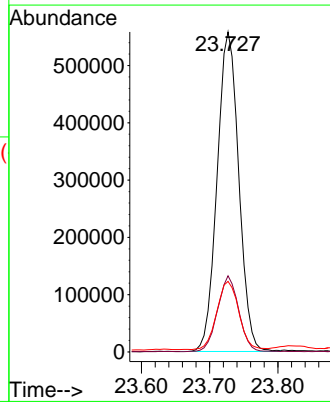
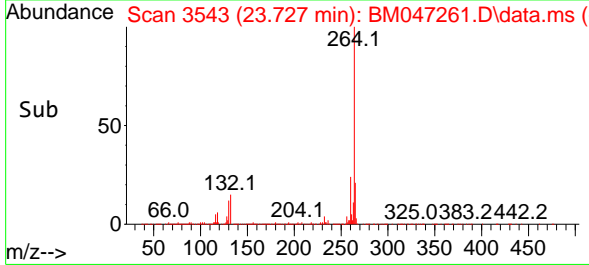
Reviewed By : Jagrut Upadhyay 08/20/2024  
 Supervised By : mohammad ahmed 08/21/2024

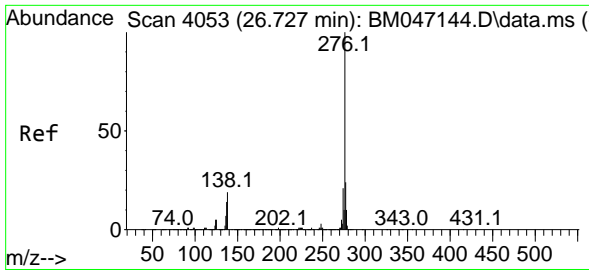


#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.727 min Scan# 3543  
 Delta R.T. -0.000 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48



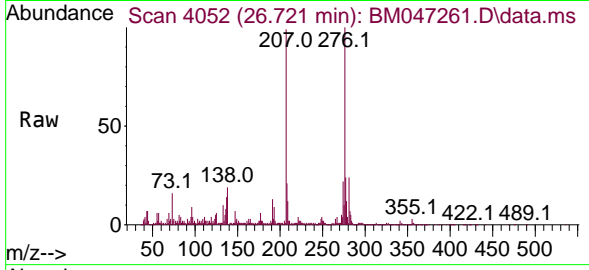
Tgt Ion: 264 Resp: 1234670  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 18.5 27.7  
 265 22.1 17.3 25.9





#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 5.405 ng  
 RT: 26.721 min Scan# 4053  
 Delta R.T. -0.006 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48

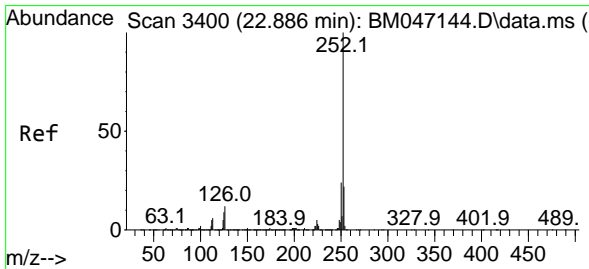
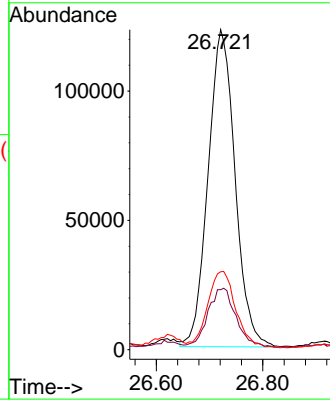
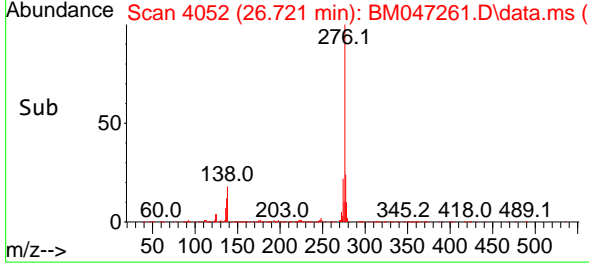
Instrument : BNA\_M  
 ClientSampleId : 918-J-SD-0-0.5-081524



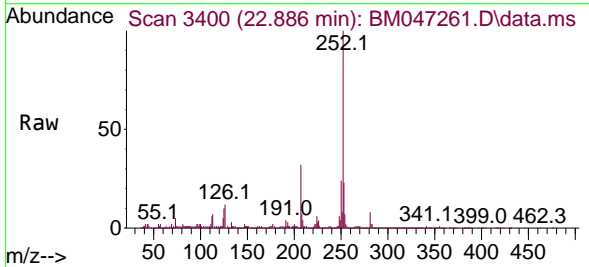
Tgt Ion: 276 Resp: 431314  
 Ion Ratio Lower Upper  
 276 100  
 138 19.4 19.4 29.0  
 277 25.3 20.1 30.1

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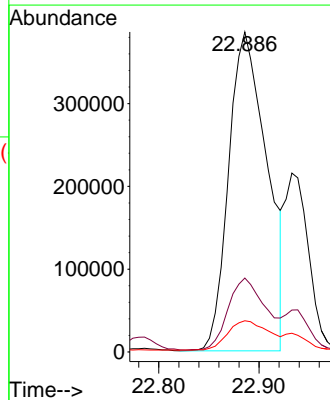
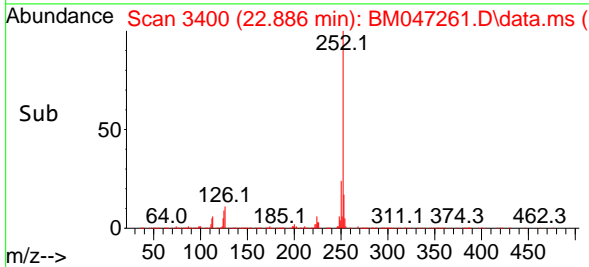
Reviewed By :Jagrut Upadhyay 08/20/2024  
 Supervised By :mohammad ahmed 08/21/2024

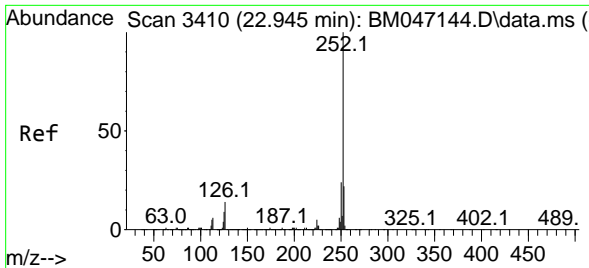


#88  
 Benzo(b)fluoranthene  
 Concen: 13.919 ng  
 RT: 22.886 min Scan# 3400  
 Delta R.T. -0.000 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48



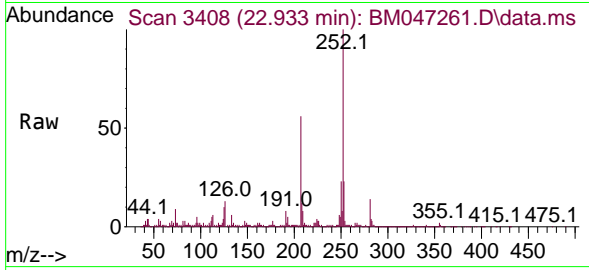
Tgt Ion: 252 Resp: 1020591  
 Ion Ratio Lower Upper  
 252 100  
 253 23.1 17.8 26.6  
 125 9.8 7.4 11.0





#89  
 Benzo(k)fluoranthene  
 Concen: 5.115 ng m  
 RT: 22.933 min Scan# 3410  
 Delta R.T. -0.012 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48

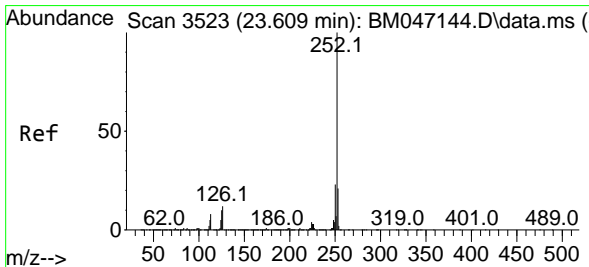
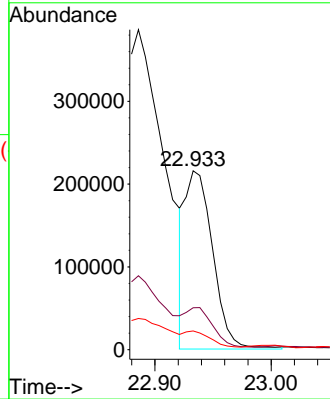
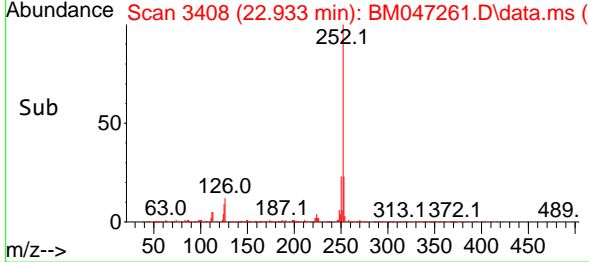
Instrument : BNA\_M  
 ClientSampleId : 918-J-SD-0-0.5-081524



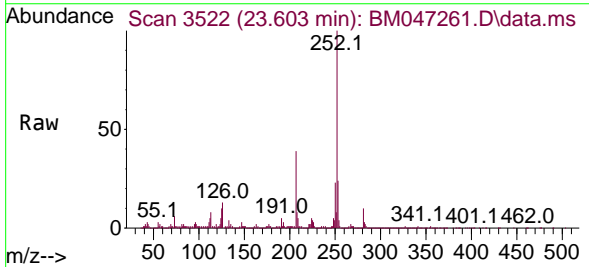
Tgt Ion:252 Resp: 35427  
 Ion Ratio Lower Upper  
 252 100  
 253 23.4 17.7 26.5  
 125 10.5 7.4 11.2

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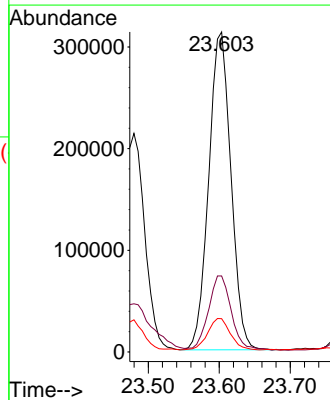
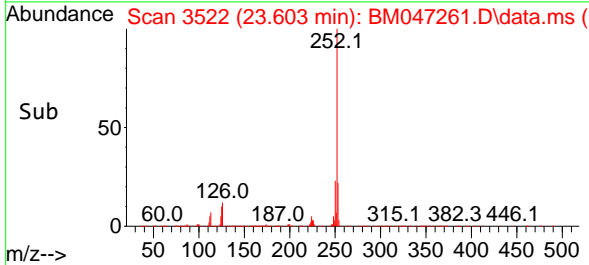
Reviewed By :Jagrut Upadhyay 08/20/2024  
 Supervised By :mohammad ahmed 08/21/2024

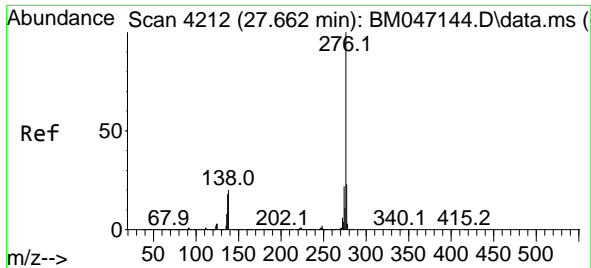


#90  
 Benzo(a)pyrene  
 Concen: 10.681 ng  
 RT: 23.603 min Scan# 3522  
 Delta R.T. -0.006 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48



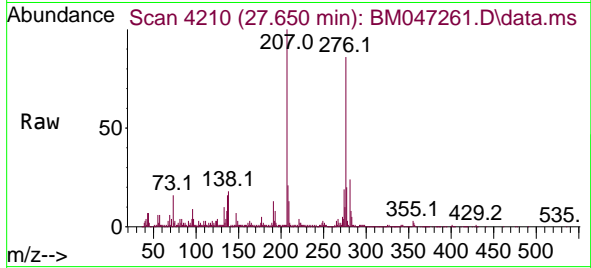
Tgt Ion:252 Resp: 678440  
 Ion Ratio Lower Upper  
 252 100  
 253 23.7 17.1 25.7  
 125 10.4 8.2 12.2





#92  
 Benzo(g,h,i)perylene  
 Concen: 6.226 ng  
 RT: 27.650 min Scan# 41  
 Delta R.T. -0.012 min  
 Lab File: BM047261.D  
 Acq: 19 Aug 2024 20:48

Instrument :  
 BNA\_M  
 ClientSampleId :  
 918-J-SD-0-0.5-081524



Tgt Ion: 276 Resp: 41749  
 Ion Ratio Lower Upper  
 276 100  
 277 23.6 18.8 28.2  
 138 21.0 16.2 24.4

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Reviewed By :Jagrut Upadhyay 08/20/2024  
 Supervised By :mohammad ahmed 08/21/2024

