

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050125\  
 Data File : BM050074.D  
 Acq On : 01 May 2025 21:18  
 Operator : RC/JU  
 Sample : Q1901-03 5X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-170-SB01

Quant Time: May 02 01:13:07 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 28 18:09:16 2025  
 Response via : Initial Calibration

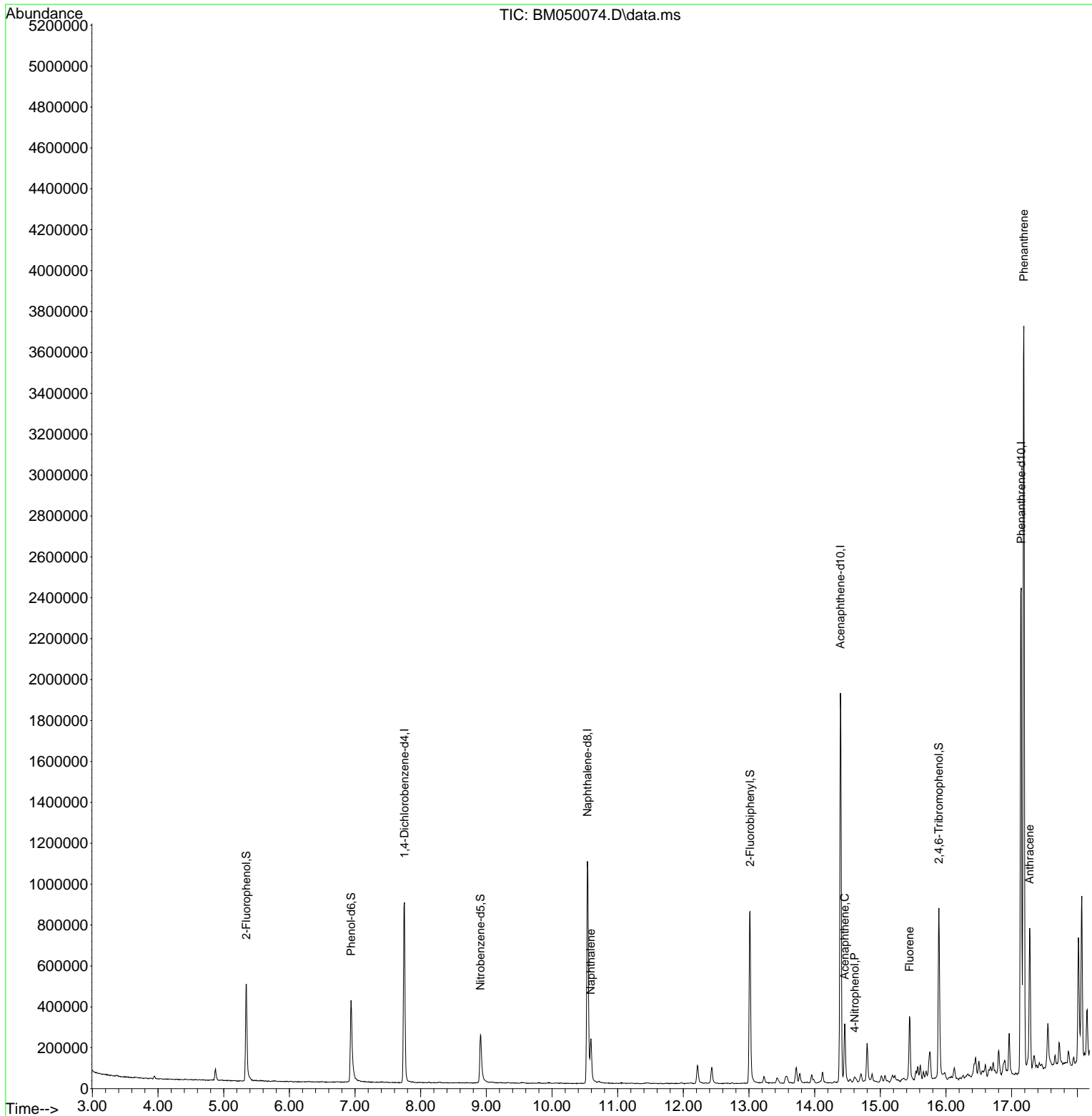
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.751	152	274480	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1008897	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	706272	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	1455099	20.000	ng	-0.01
76) Chrysene-d12	21.380	240	1407668	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1408737	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	250744	15.996	ng	-0.01
7) Phenol-d6	6.940	99	318577	16.170	ng	-0.01
23) Nitrobenzene-d5	8.910	82	183326	8.954	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	166388	15.933	ng	-0.01
45) 2-Fluorobiphenyl	13.016	172	525870	8.808	ng	-0.02
79) Terphenyl-d14	19.768	244	703185	7.392	ng	-0.01
Target Compounds						
31) Naphthalene	10.592	128	175316	3.431	ng	99
52) Acenaphthene	14.457	154	104131	2.744	ng	99
56) 4-Nitrophenol	14.610	139	1372	4.690	ng	# 62
58) Fluorene	15.445	166	148560	2.875	ng	98
71) Phenanthrene	17.186	178	2306825	28.108	ng	99
72) Anthracene	17.274	178	459861	5.537	ng	99
75) Fluoranthene	19.204	202	2273002	23.590	ng	100
78) Pyrene	19.568	202	2240960	22.670	ng	100
80) Butylbenzylphthalate	20.698	149	76337	2.062	ng	# 55
81) Benzo(a)anthracene	21.362	228	1056445	10.898	ng	99
83) Chrysene	21.427	228	936460	10.438	ng	98
87) Indeno(1,2,3-cd)pyrene	27.750	276	388788	3.704	ng	98
88) Benzo(b)fluoranthene	23.433	252	895654	9.776	ng	# 97
89) Benzo(k)fluoranthene	23.433	252	895654	9.665	ng	# 96
90) Benzo(a)pyrene	24.233	252	673773	7.852	ng	97
92) Benzo(g,h,i)perylene	28.797	276	399694	4.879	ng	100

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

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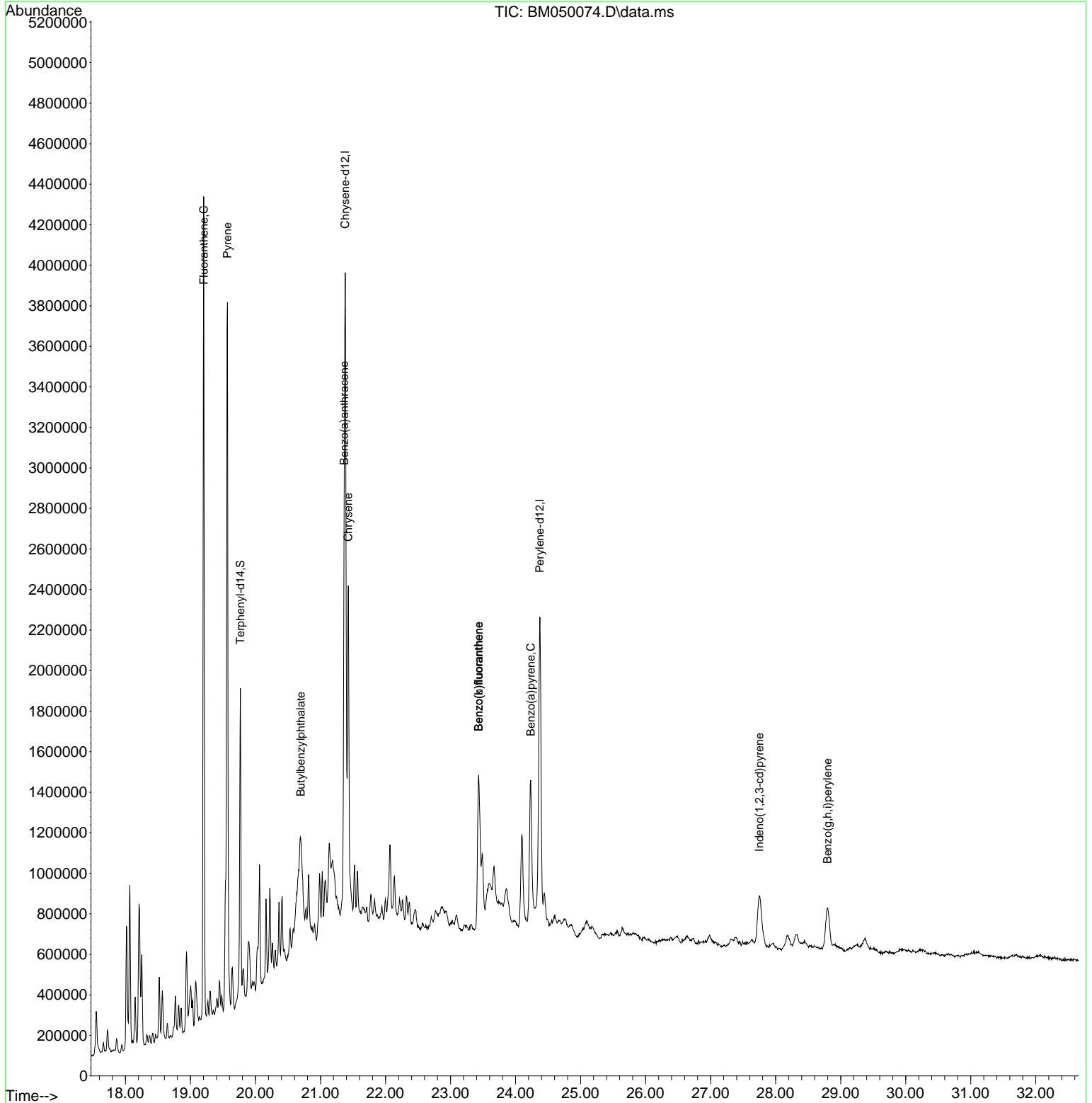
Quant Time: May 02 01:13:07 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 28 18:09:16 2025  
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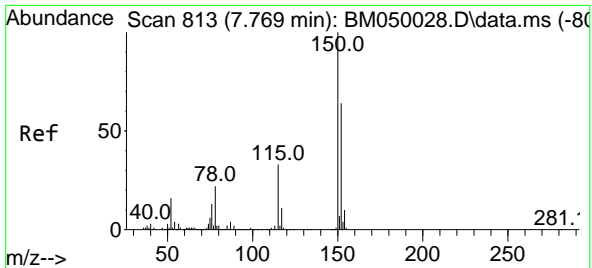


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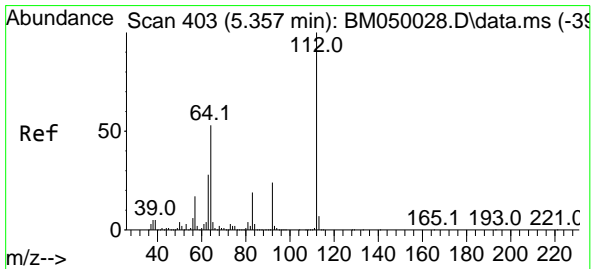
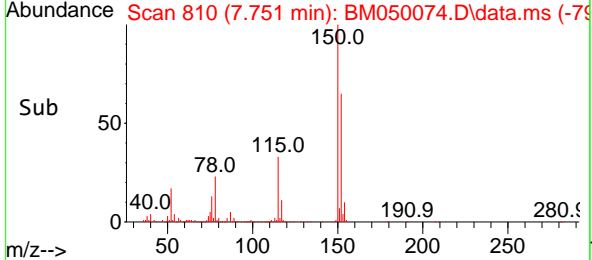
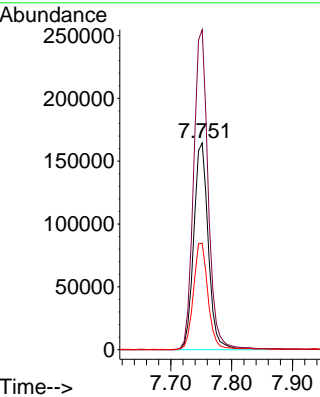
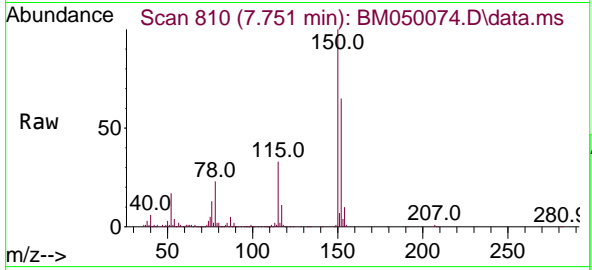


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.751 min Scan# 813  
 Delta R.T. -0.018 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

Instrument : BNA\_M  
 ClientSampleId : B-170-SB01

Tgt Ion:152 Resp: 274480

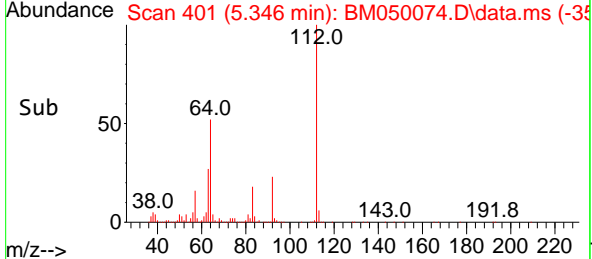
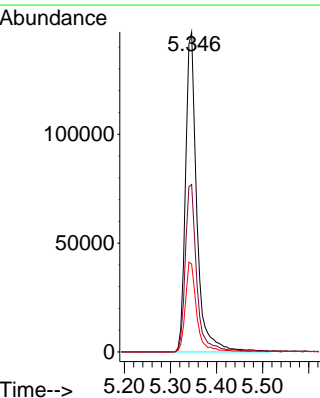
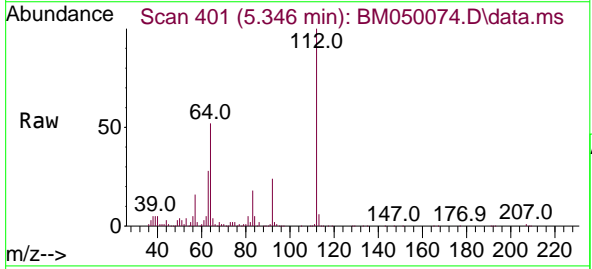
Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.1	186.1
115	51.5	41.2	61.8

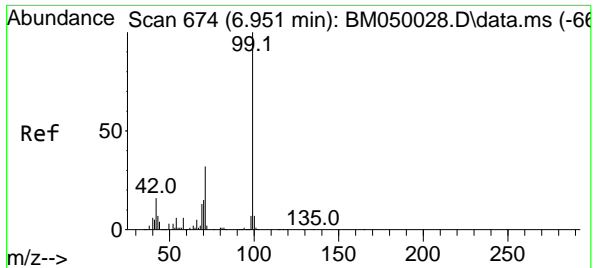


#5  
 2-Fluorophenol  
 Concen: 15.996 ng  
 RT: 5.346 min Scan# 401  
 Delta R.T. -0.012 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

Tgt Ion:112 Resp: 250744

Ion	Ratio	Lower	Upper
112	100		
64	52.3	42.6	64.0
63	27.5	22.2	33.4



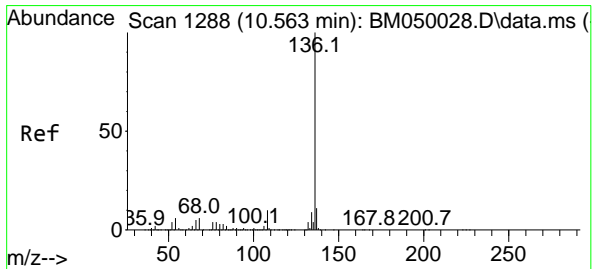
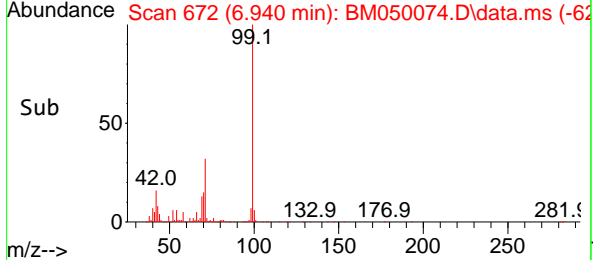
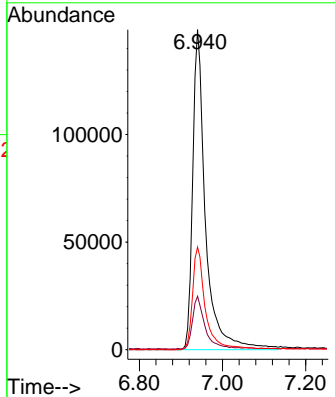
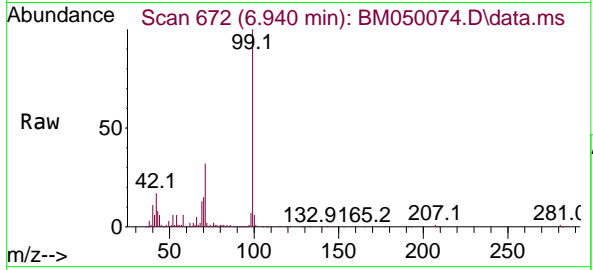


#7  
 Phenol-d6  
 Concen: 16.170 ng  
 RT: 6.940 min Scan# 61  
 Delta R.T. -0.012 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

Instrument : BNA\_M  
 ClientSampleId : B-170-SB01

Tgt Ion: 99 Resp: 318577

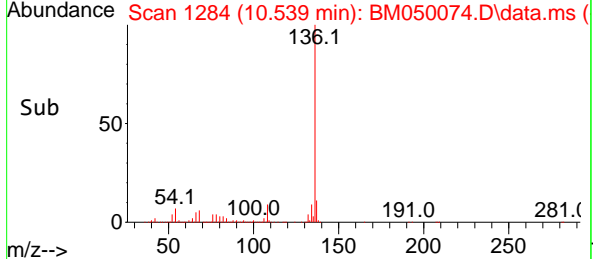
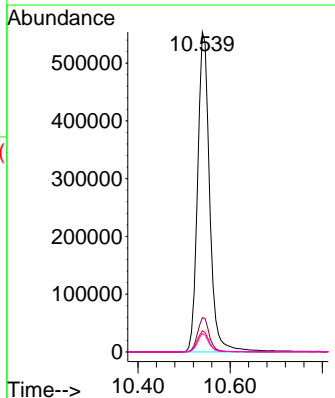
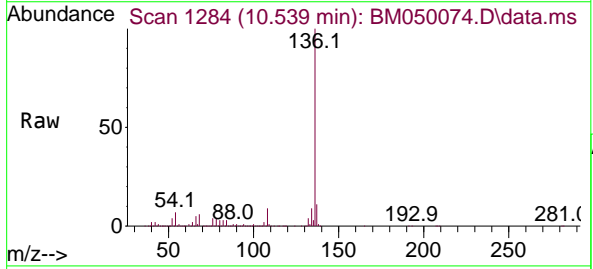
Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.0	19.4
71	32.1	25.6	38.4

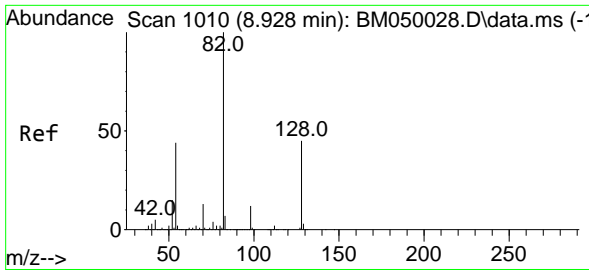


#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 10.539 min Scan# 1284  
 Delta R.T. -0.023 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

Tgt Ion: 136 Resp: 1008897

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.6	5.1	7.7
68	5.7	4.4	6.6



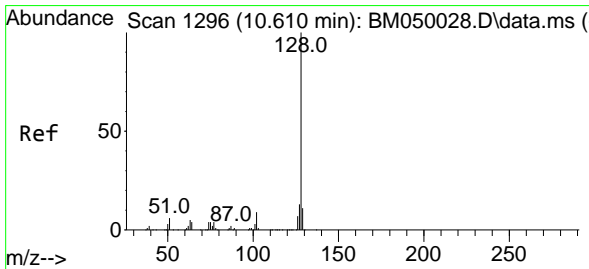
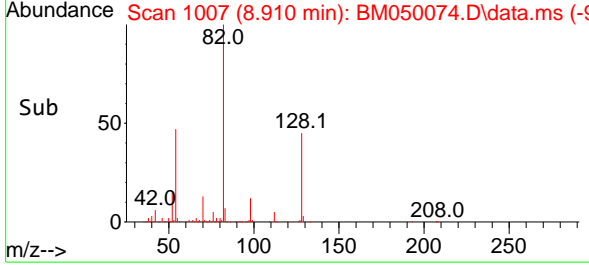
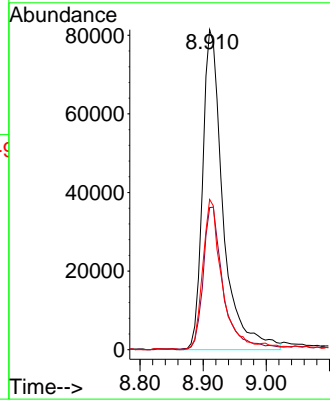
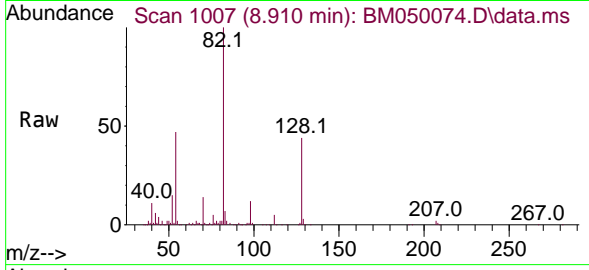


#23  
 Nitrobenzene-d5  
 Concen: 8.954 ng  
 RT: 8.910 min Scan# 1010  
 Delta R.T. -0.018 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-170-SB01

Tgt Ion: 82 Resp: 183326

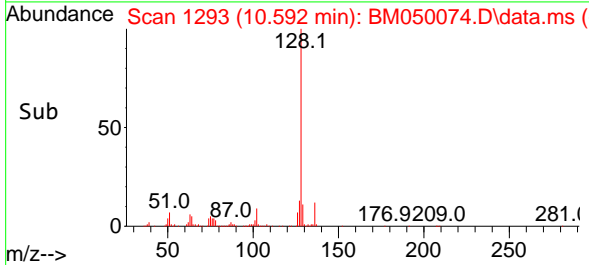
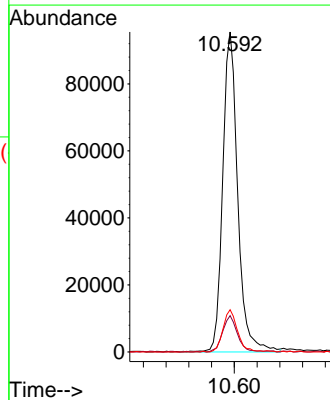
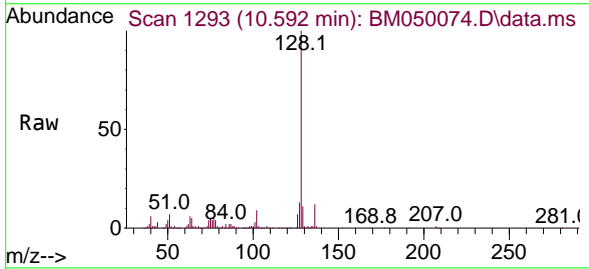
Ion	Ratio	Lower	Upper
82	100		
128	44.4	35.7	53.5
54	47.0	35.4	53.2

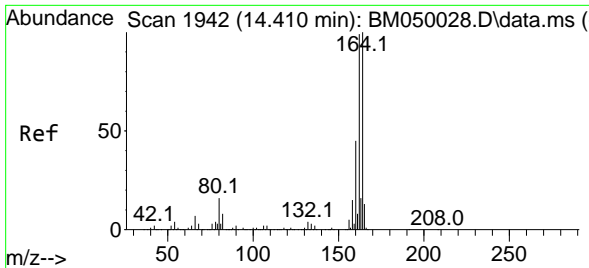


#31  
 Naphthalene  
 Concen: 3.431 ng  
 RT: 10.592 min Scan# 1293  
 Delta R.T. -0.018 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

Tgt Ion: 128 Resp: 175316

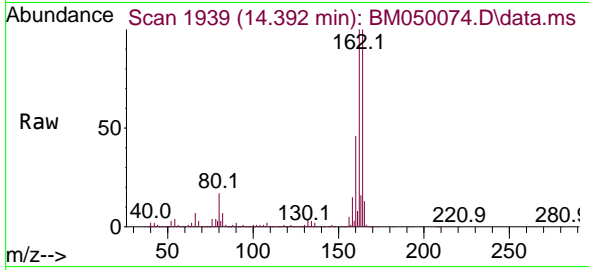
Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	13.2	10.4	15.6



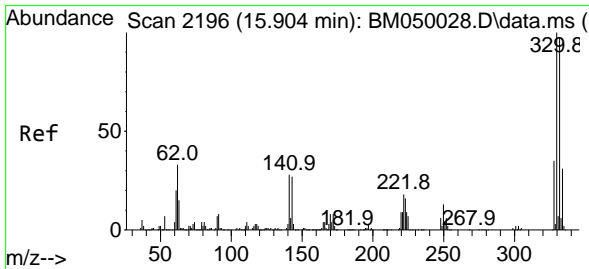
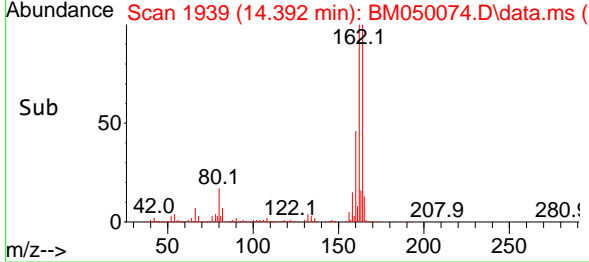
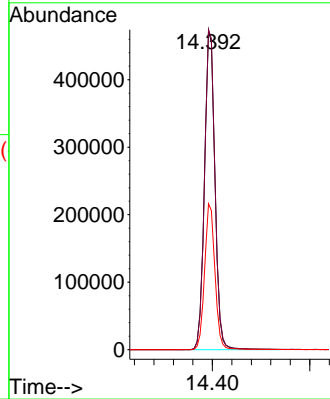


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.392 min Scan# 1939  
 Delta R.T. -0.018 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

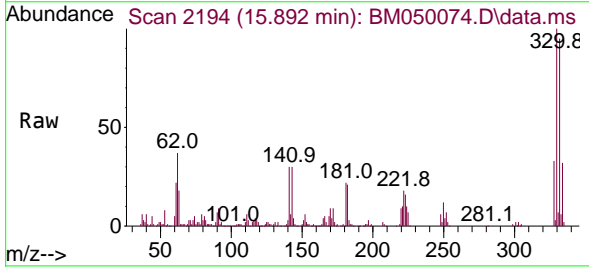
Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-170-SB01



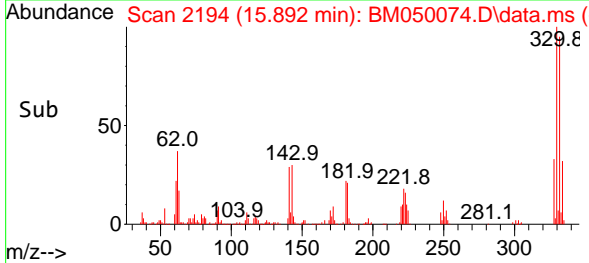
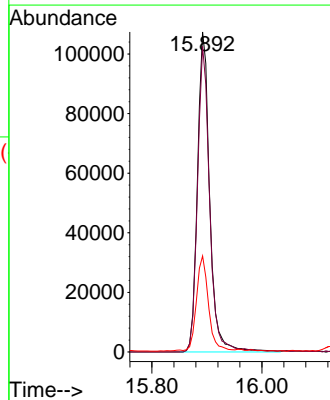
Tgt Ion:164 Resp: 706272  
 Ion Ratio Lower Upper  
 164 100  
 162 100.1 79.4 119.0  
 160 45.7 36.2 54.4

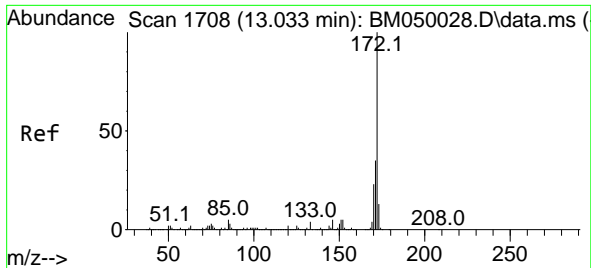


#42  
 2,4,6-Tribromophenol  
 Concen: 15.933 ng  
 RT: 15.892 min Scan# 2194  
 Delta R.T. -0.012 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18



Tgt Ion:330 Resp: 166388  
 Ion Ratio Lower Upper  
 330 100  
 332 95.1 77.3 115.9  
 141 29.5 22.5 33.7



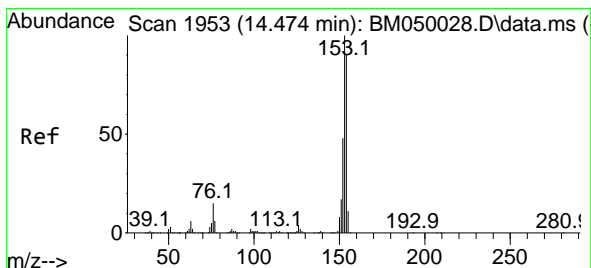
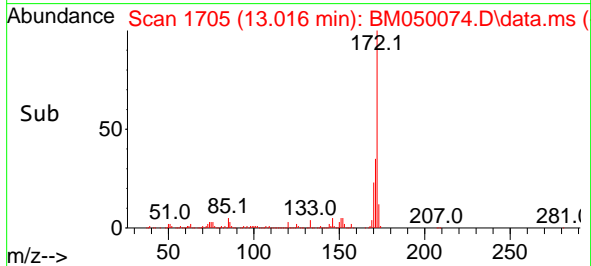
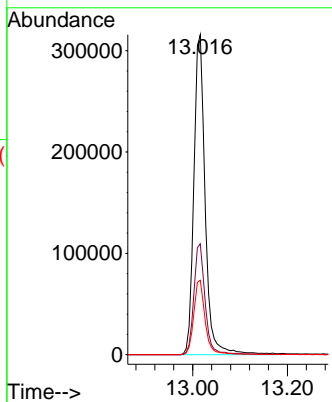
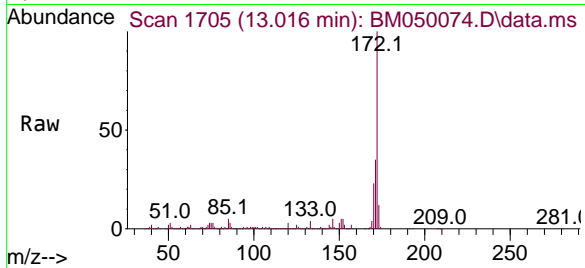


#45  
 2-Fluorobiphenyl  
 Concen: 8.808 ng  
 RT: 13.016 min Scan# 11  
 Delta R.T. -0.018 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-170-SB01

Tgt Ion:172 Resp: 525870

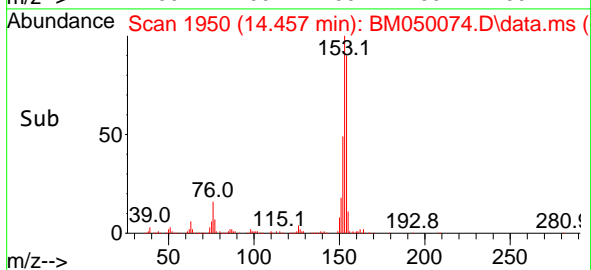
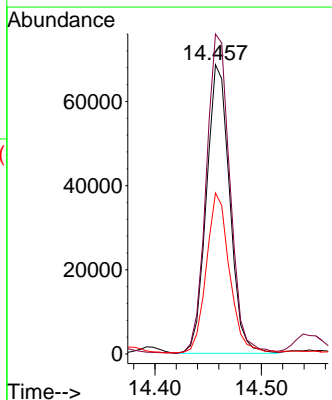
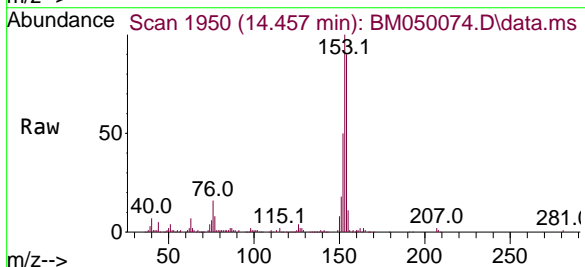
Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.3	18.6	28.0



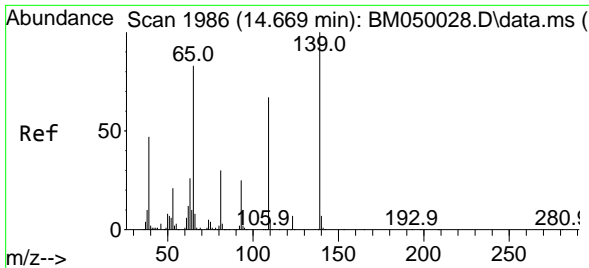
#52  
 Acenaphthene  
 Concen: 2.744 ng  
 RT: 14.457 min Scan# 1950  
 Delta R.T. -0.018 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

Tgt Ion:154 Resp: 104131

Ion	Ratio	Lower	Upper
154	100		
153	110.6	89.0	133.4
152	55.6	43.0	64.6



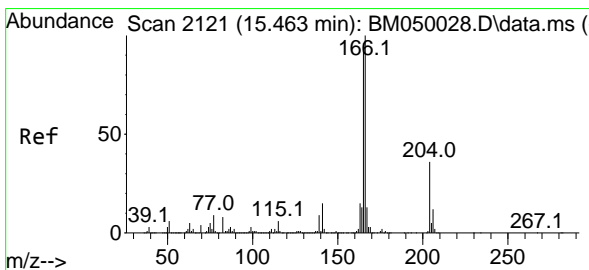
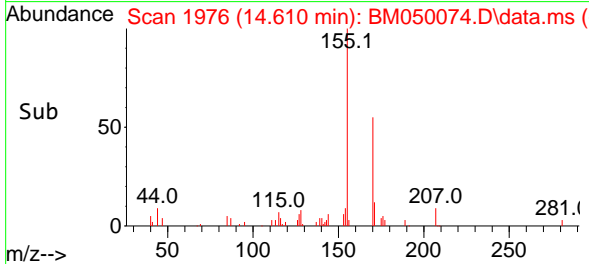
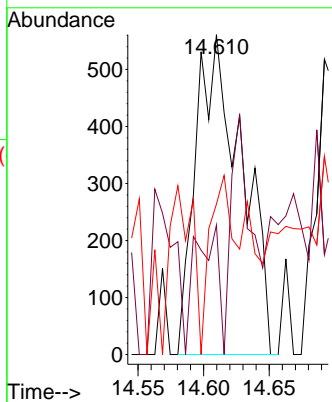
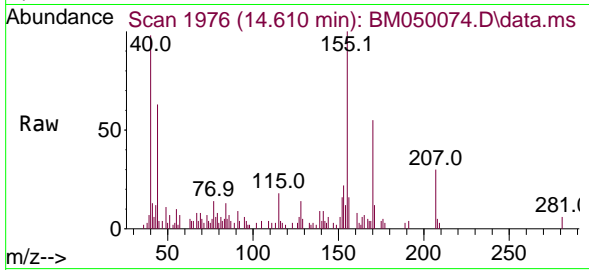




#56  
 4-Nitrophenol  
 Concen: 4.690 ng  
 RT: 14.610 min Scan# 11  
 Delta R.T. -0.059 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

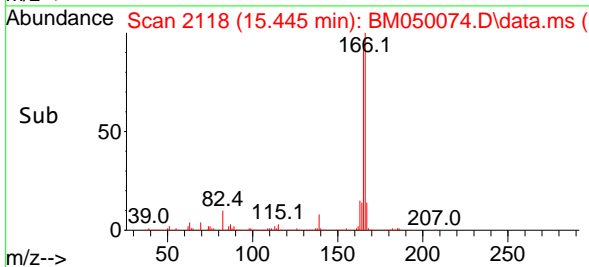
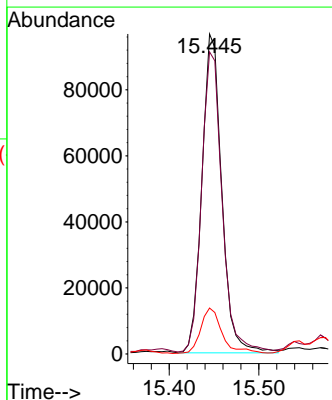
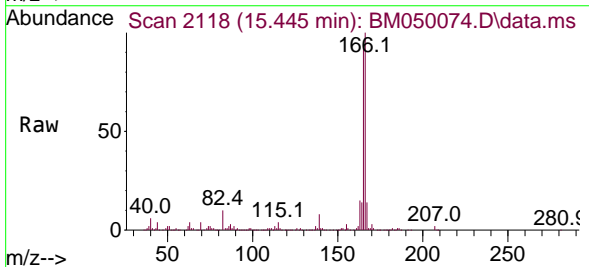
Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-170-SB01

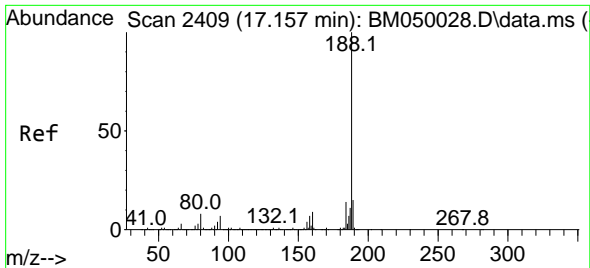
Tgt Ion:139 Resp: 1372  
 Ion Ratio Lower Upper  
 139 100  
 109 40.5 47.0 87.0#  
 65 47.1 64.3 104.3#



#58  
 Fluorene  
 Concen: 2.875 ng  
 RT: 15.445 min Scan# 2118  
 Delta R.T. -0.018 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

Tgt Ion:166 Resp: 148560  
 Ion Ratio Lower Upper  
 166 100  
 165 94.4 76.6 115.0  
 167 14.4 10.6 16.0

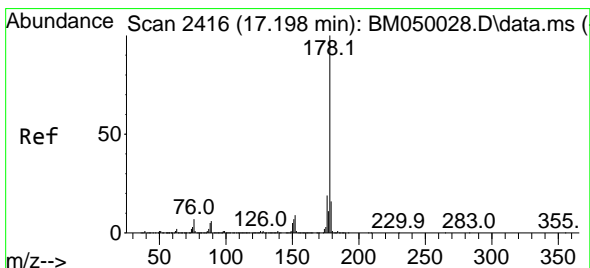
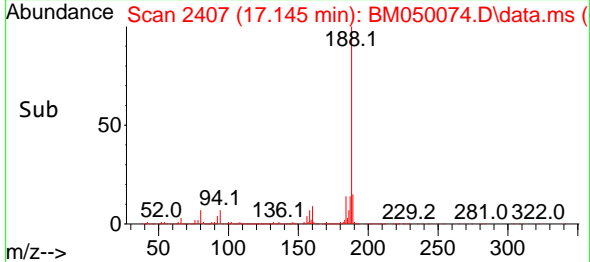
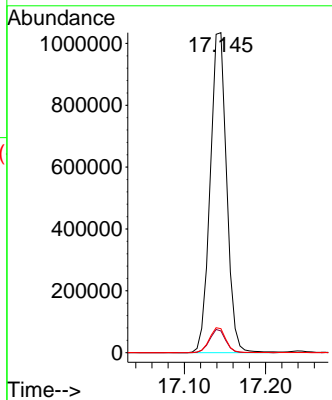
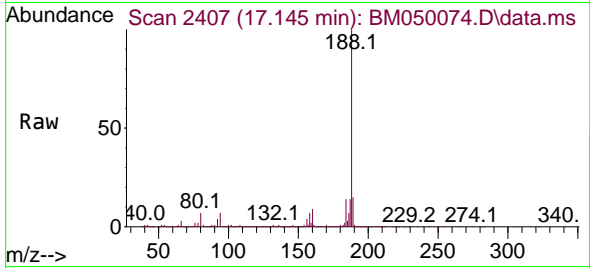




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.145 min Scan# 24  
 Delta R.T. -0.012 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

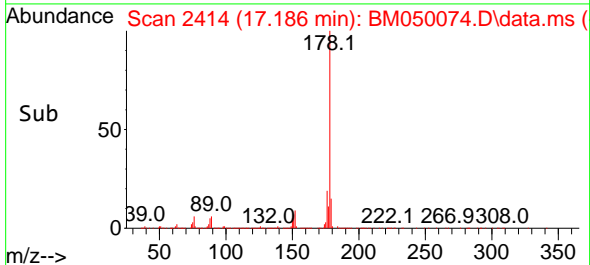
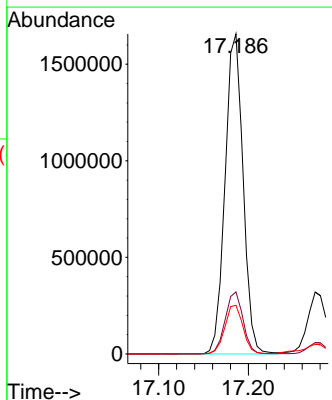
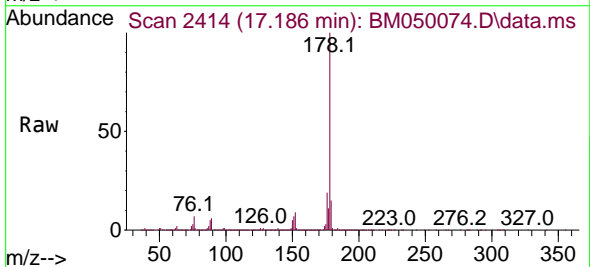
Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-170-SB01

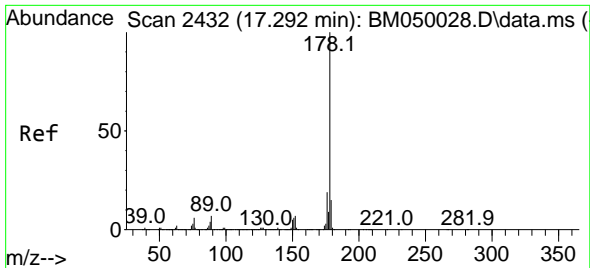
Tgt Ion:188 Resp: 1455099  
 Ion Ratio Lower Upper  
 188 100  
 94 6.8 5.7 8.5  
 80 7.5 6.2 9.4



#71  
 Phenanthrene  
 Concen: 28.108 ng  
 RT: 17.186 min Scan# 2414  
 Delta R.T. -0.012 min  
 Lab File: BM050074.D  
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Tgt Ion:178 Resp: 2306825  
 Ion Ratio Lower Upper  
 178 100  
 176 19.4 15.3 22.9  
 179 15.2 12.4 18.6

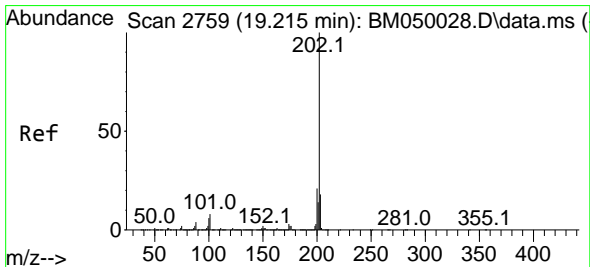
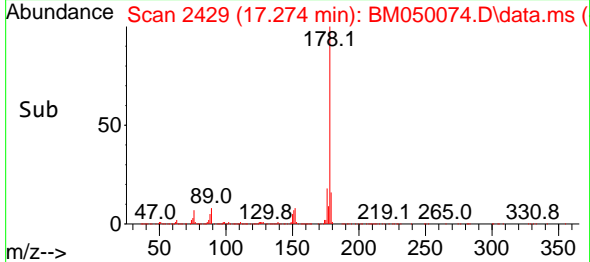
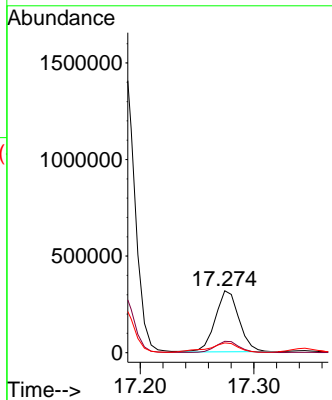
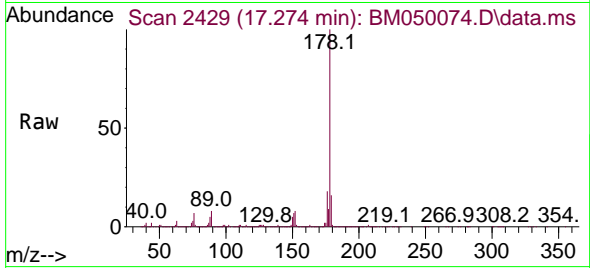




#72  
 Anthracene  
 Concen: 5.537 ng  
 RT: 17.274 min Scan# 24  
 Delta R.T. -0.018 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

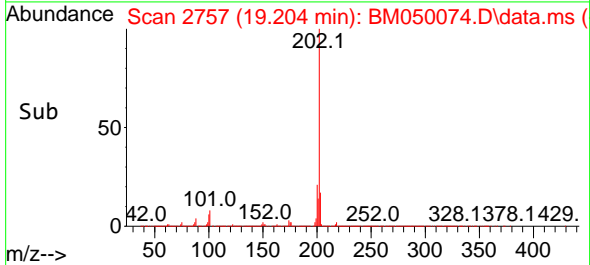
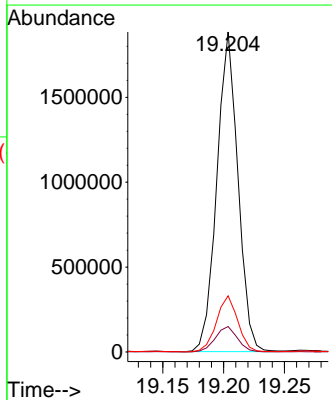
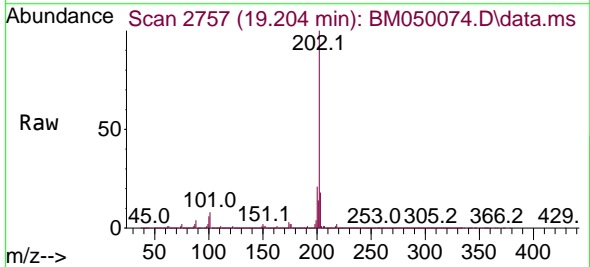
Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-170-SB01

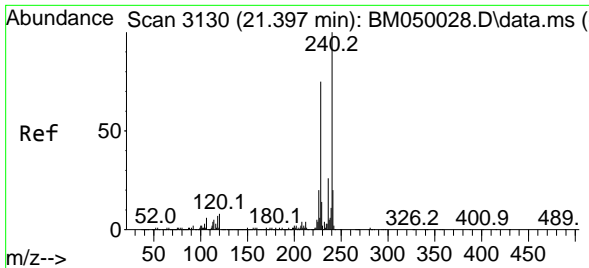
Tgt Ion	Resp	Lower	Upper
178	459861		
176	18.4	15.0	22.4
179	15.8	12.2	18.4



#75  
 Fluoranthene  
 Concen: 23.590 ng  
 RT: 19.204 min Scan# 2757  
 Delta R.T. -0.012 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

Tgt Ion	Resp	Lower	Upper
202	2273002		
101	7.9	0.0	28.0
203	17.5	0.0	37.7

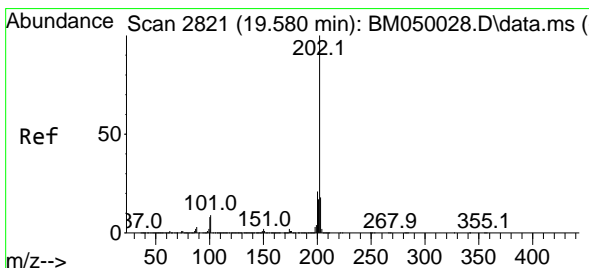
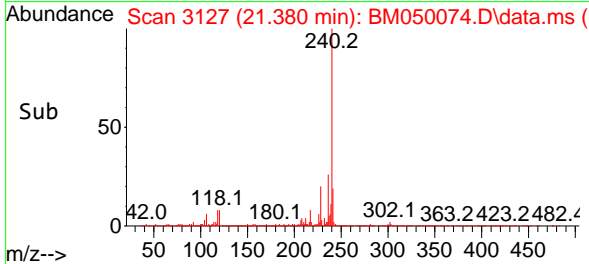
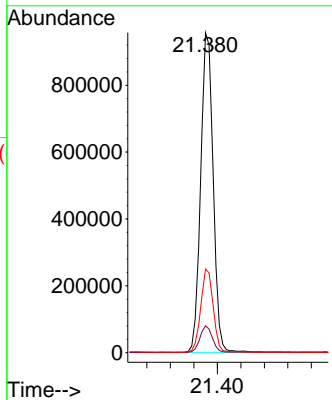
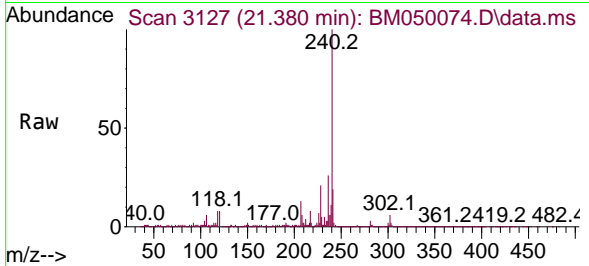




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.380 min Scan# 31  
 Delta R.T. -0.017 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

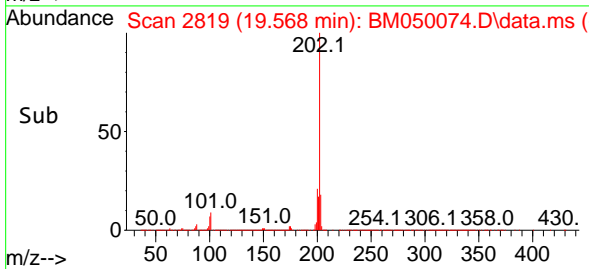
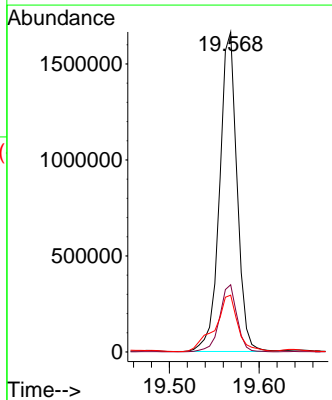
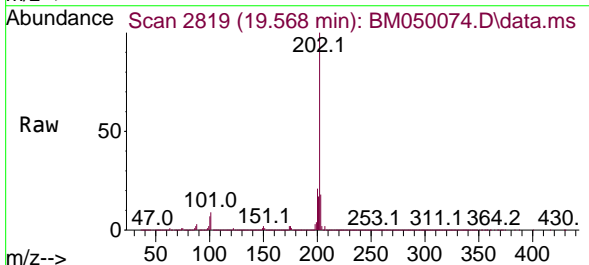
Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-170-SB01

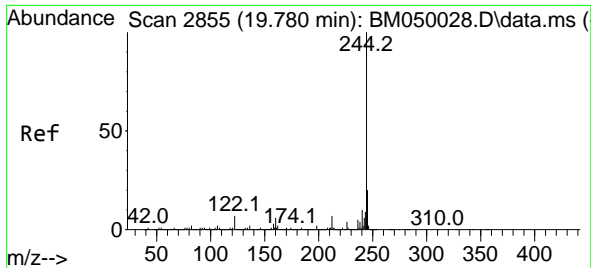
Tgt Ion:240 Resp: 1407668  
 Ion Ratio Lower Upper  
 240 100  
 120 8.4 6.5 9.7  
 236 26.2 20.9 31.3



#78  
 Pyrene  
 Concen: 22.670 ng  
 RT: 19.568 min Scan# 2819  
 Delta R.T. -0.012 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

Tgt Ion:202 Resp: 2240960  
 Ion Ratio Lower Upper  
 202 100  
 200 21.0 16.7 25.1  
 203 17.8 14.1 21.1

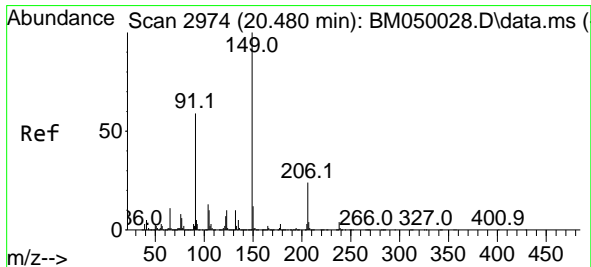
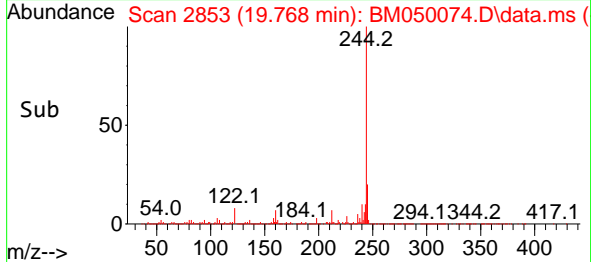
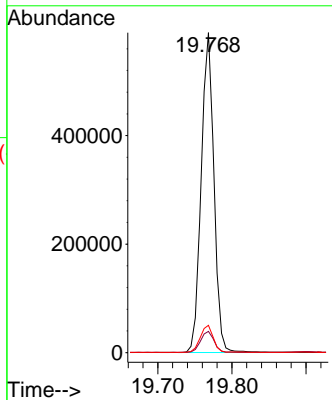
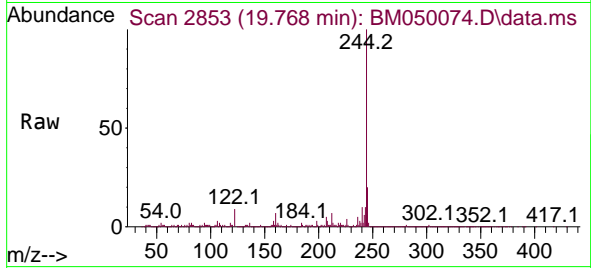




#79  
 Terphenyl-d14  
 Concen: 7.392 ng  
 RT: 19.768 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

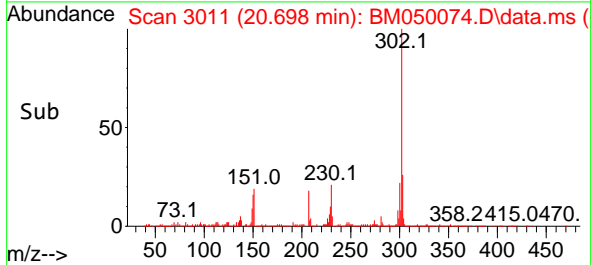
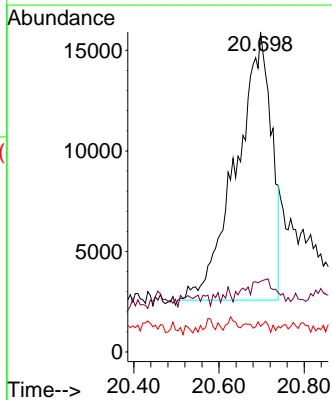
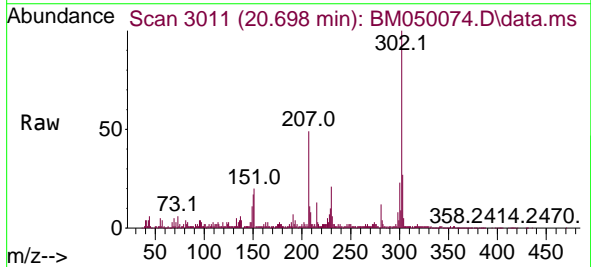
Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-170-SB01

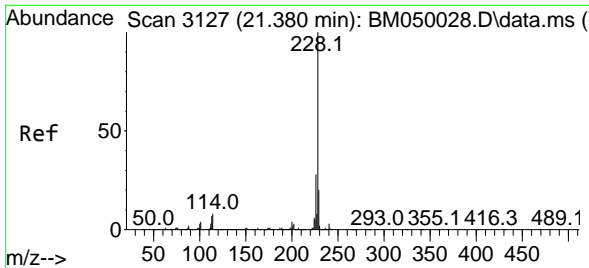
Tgt Ion	Resp	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	8.5	5.6	8.4#



#80  
 Butylbenzylphthalate  
 Concen: 2.062 ng  
 RT: 20.698 min Scan# 3011  
 Delta R.T. 0.218 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

Tgt Ion	Resp	Lower	Upper
149	100		
91	22.0	47.4	71.2#
206	8.1	19.4	29.0#



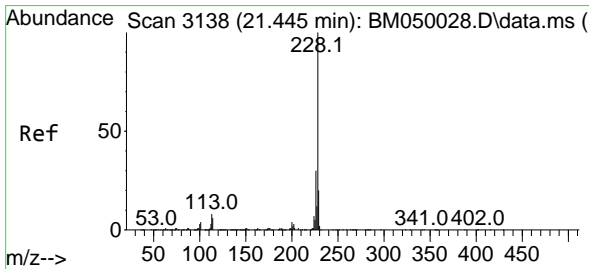
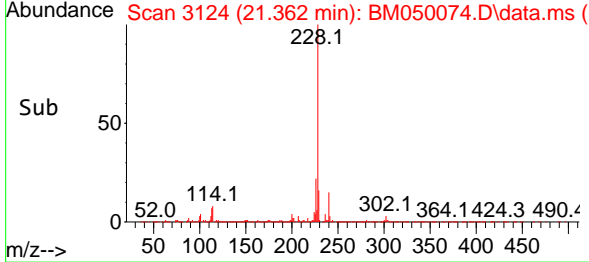
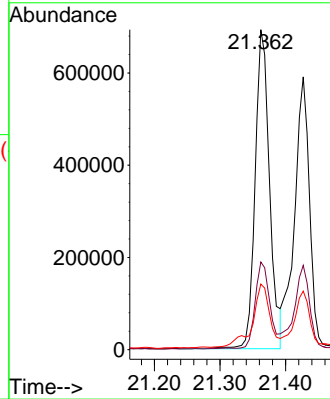
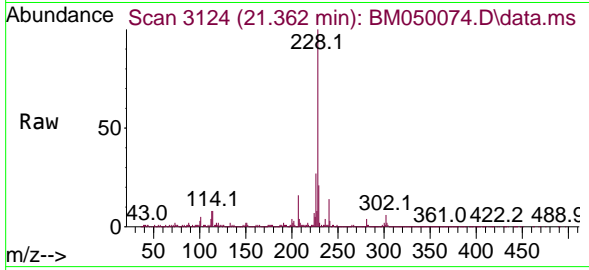


#81  
 Benzo(a)anthracene  
 Concen: 10.898 ng  
 RT: 21.362 min Scan# 3124  
 Delta R.T. -0.018 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

Instrument : BNA\_M  
 Client Sample Id : B-170-SB01

Tgt Ion: 228 Resp: 1056445

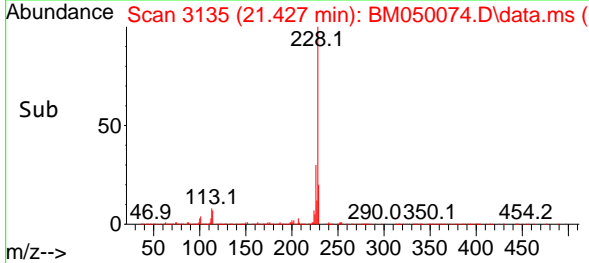
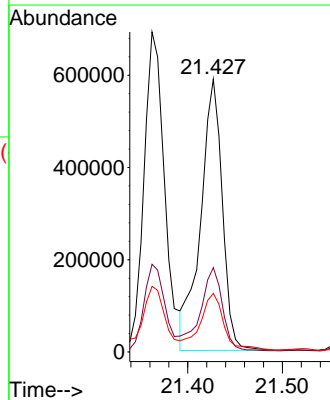
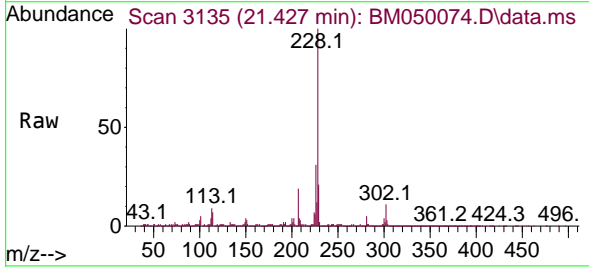
Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	20.5	15.7	23.5

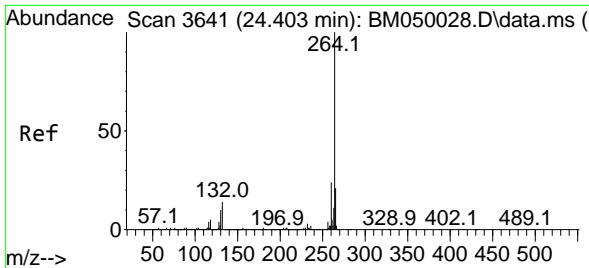


#83  
 Chrysene  
 Concen: 10.438 ng  
 RT: 21.427 min Scan# 3135  
 Delta R.T. -0.018 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

Tgt Ion: 228 Resp: 936460

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.2	36.2
229	21.5	15.7	23.5



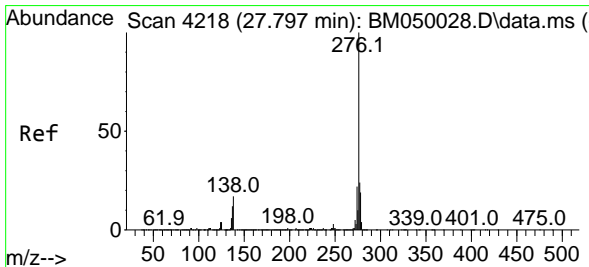
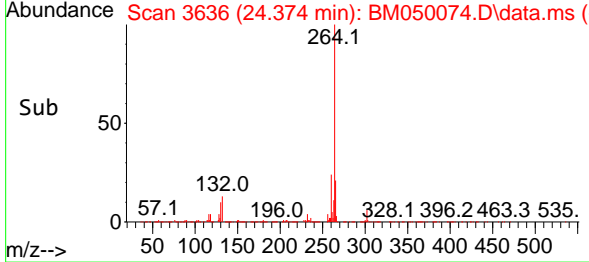
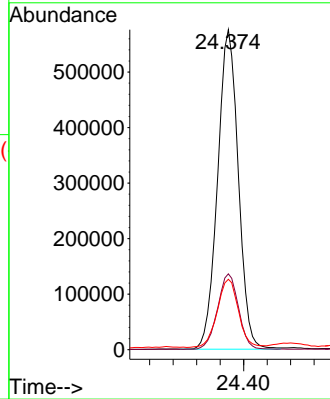
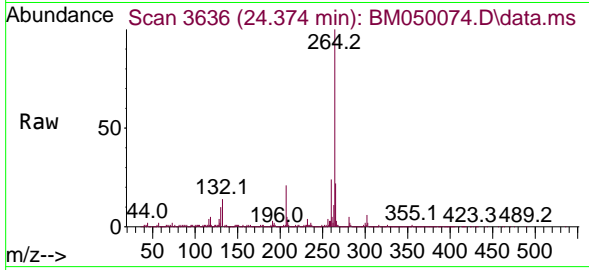


#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.374 min Scan# 30  
 Delta R.T. -0.029 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-170-SB01

Tgt Ion:264 Resp: 1408737

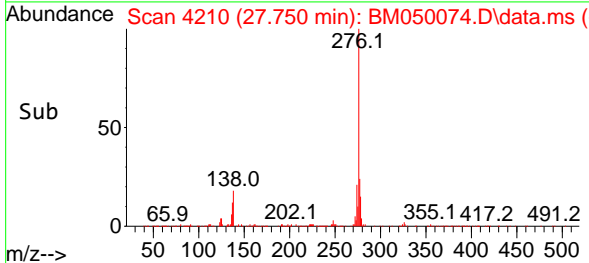
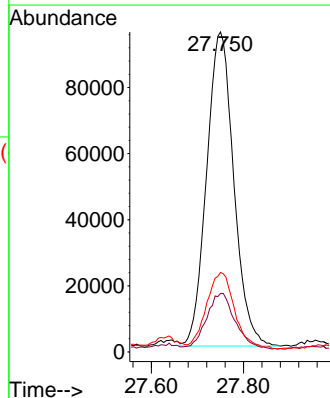
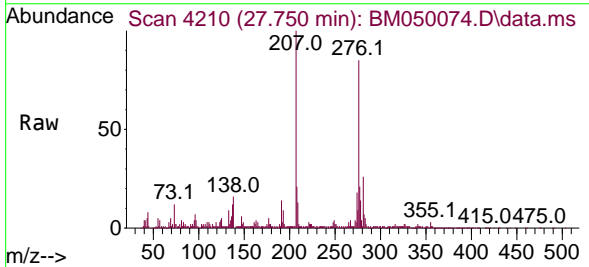
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	22.0	17.0	25.4

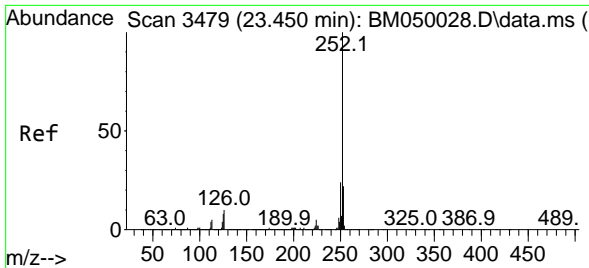


#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.704 ng  
 RT: 27.750 min Scan# 4210  
 Delta R.T. -0.047 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

Tgt Ion:276 Resp: 388788

Ion	Ratio	Lower	Upper
276	100		
138	19.1	16.4	24.6
277	25.6	19.8	29.8

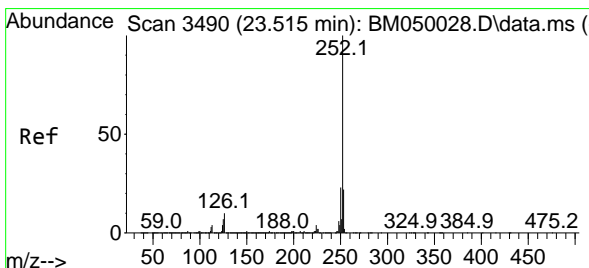
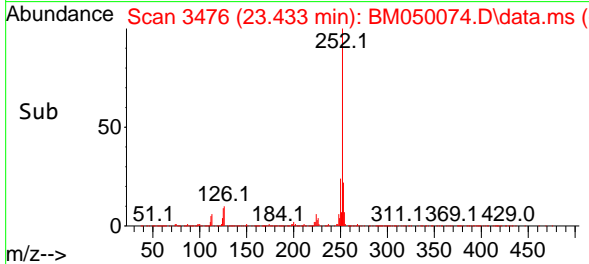
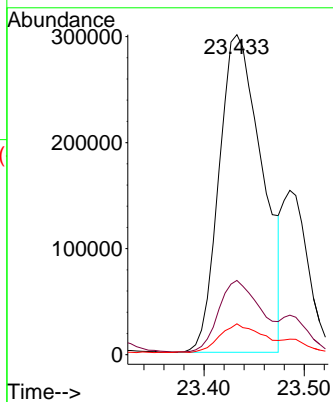
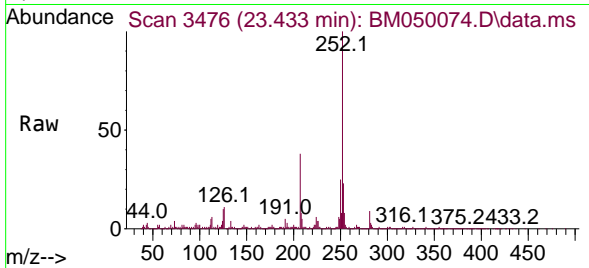




#88  
 Benzo(b)fluoranthene  
 Concen: 9.776 ng  
 RT: 23.433 min Scan# 3476  
 Delta R.T. -0.018 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

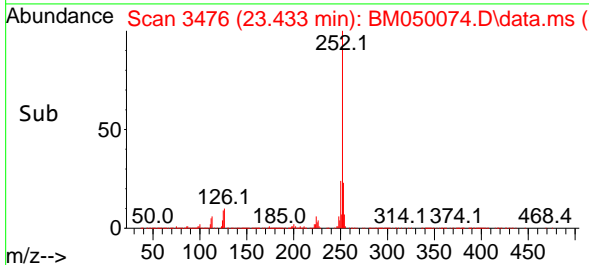
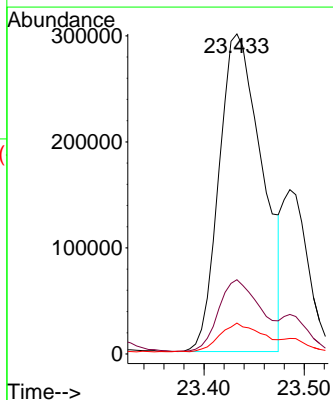
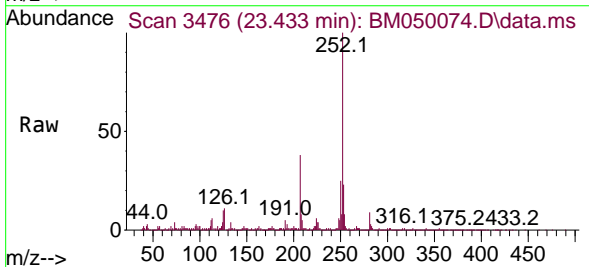
Instrument : BNA\_M  
 ClientSampleId : B-170-SB01

Tgt Ion:252 Resp: 895654  
 Ion Ratio Lower Upper  
 252 100  
 253 23.2 17.7 26.5  
 125 9.6 6.1 9.1#

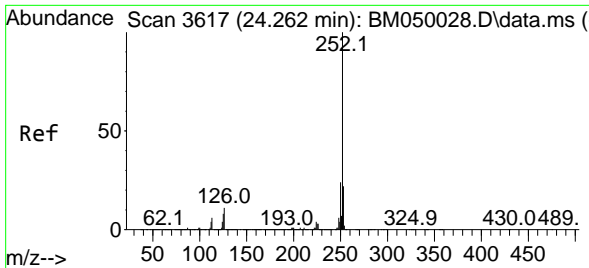


#89  
 Benzo(k)fluoranthene  
 Concen: 9.665 ng  
 RT: 23.433 min Scan# 3476  
 Delta R.T. -0.082 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

Tgt Ion:252 Resp: 895654  
 Ion Ratio Lower Upper  
 252 100  
 253 23.2 17.4 26.2  
 125 9.6 5.8 8.8#



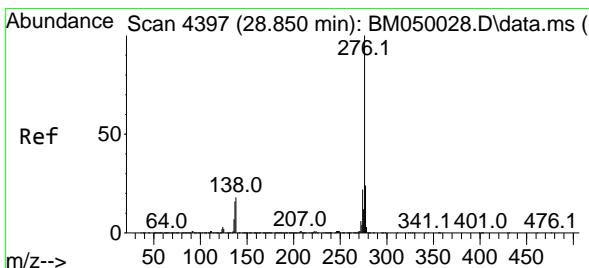
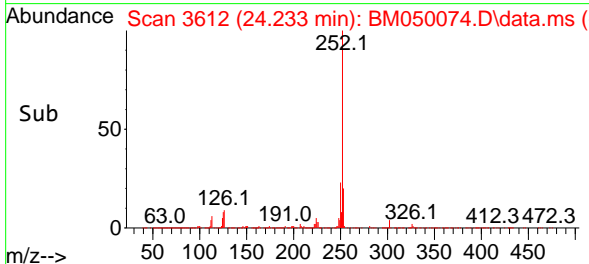
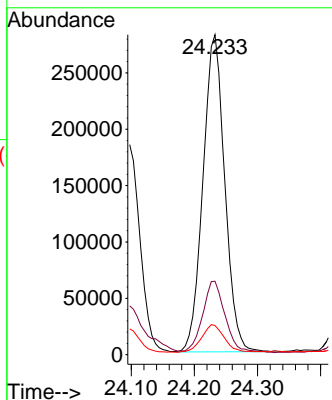
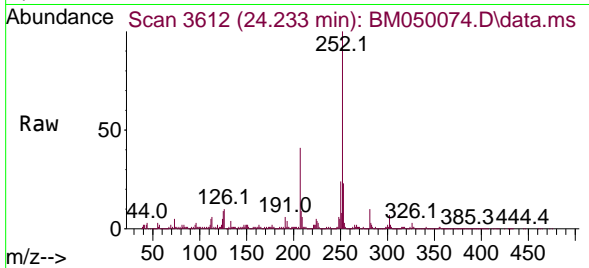




#90  
 Benzo(a)pyrene  
 Concen: 7.852 ng  
 RT: 24.233 min Scan# 30  
 Delta R.T. -0.029 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-170-SB01

Tgt Ion:252 Resp: 673773  
 Ion Ratio Lower Upper  
 252 100  
 253 22.9 17.4 26.0  
 125 9.1 6.6 9.8



#92  
 Benzo(g,h,i)perylene  
 Concen: 4.879 ng  
 RT: 28.797 min Scan# 4388  
 Delta R.T. -0.053 min  
 Lab File: BM050074.D  
 Acq: 01 May 2025 21:18

Tgt Ion:276 Resp: 399694  
 Ion Ratio Lower Upper  
 276 100  
 277 23.7 19.1 28.7  
 138 18.1 14.3 21.5

