

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080223\  
 Data File : BF134594.D  
 Acq On : 02 Aug 2023 22:48  
 Operator : CG\JU  
 Sample : 03598-07  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RB-56-(0-2)

Quant Time: Aug 03 01:51:49 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF080123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 02 02:20:34 2023  
 Response via : Initial Calibration

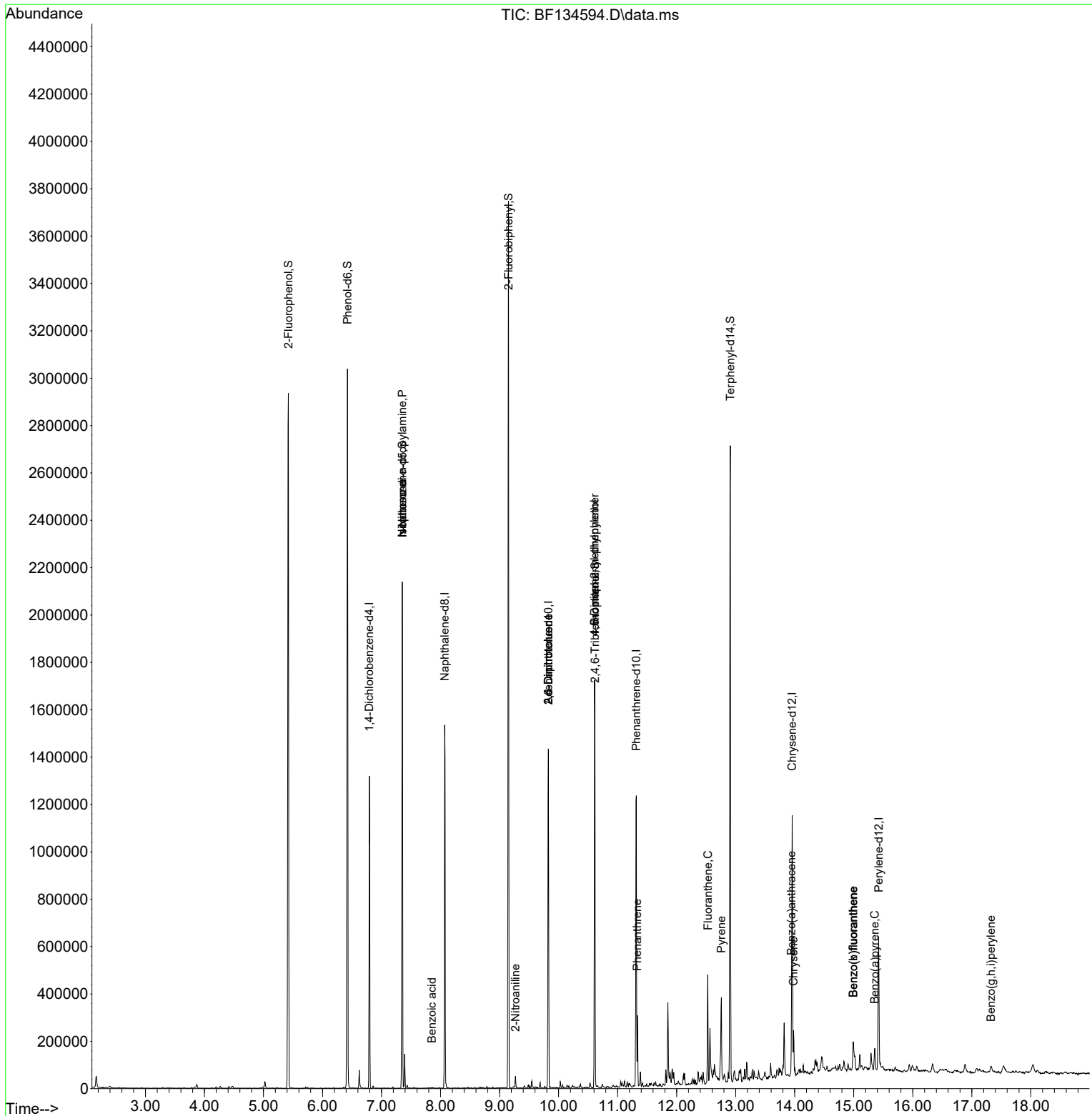
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	175579	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	655208	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	275585	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	445934	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	316680	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	249970	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	836038	72.381	ng	0.00
7) Phenol-d6	6.422	99	1048819	71.034	ng	0.00
23) Nitrobenzene-d5	7.351	82	613184	58.485	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	199814	71.125	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1038508	62.657	ng	0.00
79) Terphenyl-d14	12.910	244	916153	51.000	ng	0.00
Target Compounds						
9) Benzaldehyde	6.346	77	700	Below Cal		Qvalue 94
19) n-Nitroso-di-n-propyla...	7.351	70	82452	9.327	ng	# 75
25) Isophorone	7.351	82	613171	26.814	ng	# 65
32) Benzoic acid	7.851	122	90	7.878	ng	# 31
48) 2-Nitroaniline	9.269	65	457	3.251	ng	# 8
51) 2,6-Dinitrotoluene	9.828	165	35172	11.160	ng	# 17
57) 2,4-Dinitrotoluene	9.828	165	35172	9.968	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.610	198	425	8.892	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	12901	2.643	ng	# 1
71) Phenanthrene	11.333	178	102276	4.318	ng	98
75) Fluoranthene	12.527	202	165298	6.607	ng	98
78) Pyrene	12.757	202	143394	5.233	ng	99
81) Benzo(a)anthracene	13.945	228	78424	3.463	ng	95
83) Chrysene	13.980	228	69255	3.139	ng	94
88) Benzo(b)fluoranthene	14.992	252	87900	5.766	ng	# 95
89) Benzo(k)fluoranthene	14.992	252	87900	5.788	ng	# 96
90) Benzo(a)pyrene	15.357	252	44784	3.151	ng	# 97
92) Benzo(g,h,i)perylene	17.327	276	24834	2.049	ng	# 85

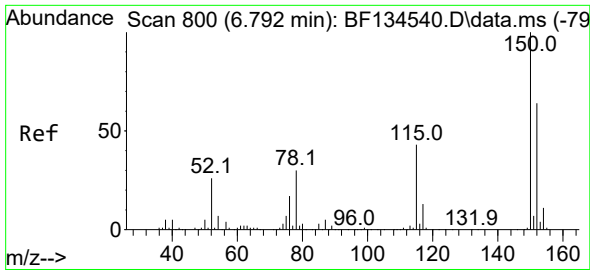
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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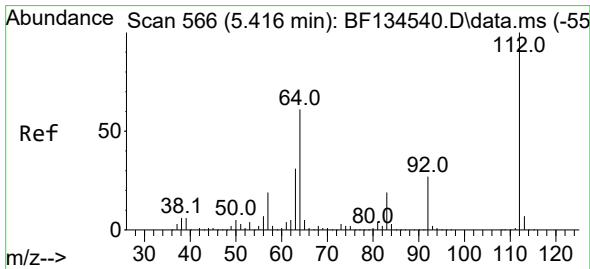
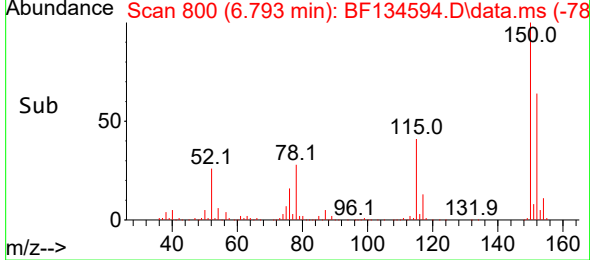
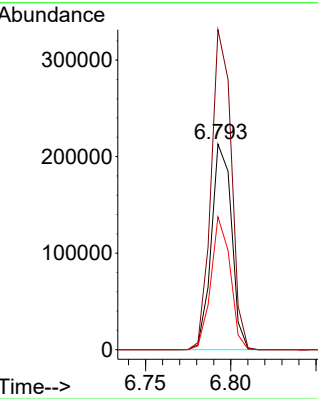
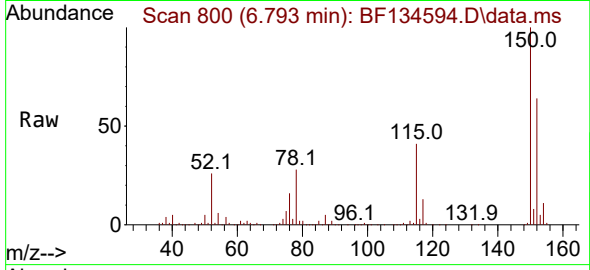




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.793 min Scan# 800  
 Delta R.T. 0.001 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

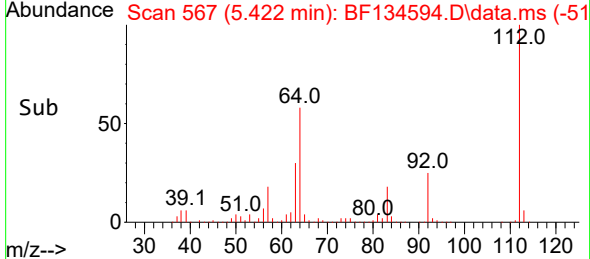
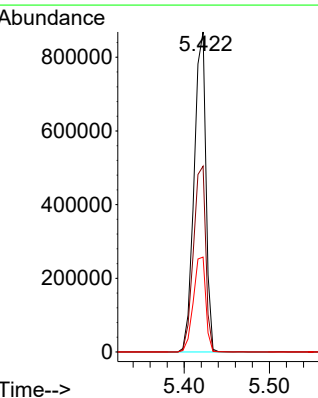
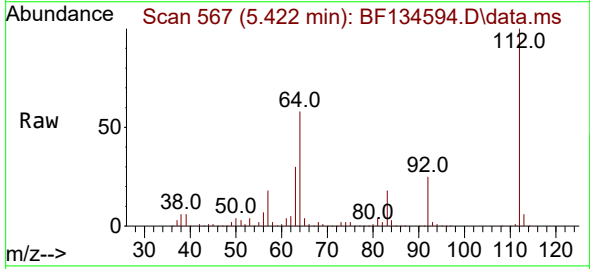
Instrument :  
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 ClientSampleId :  
 RB-56-(0-2)

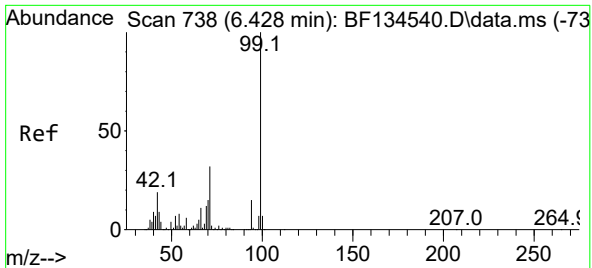
Tgt Ion:152 Resp: 175579  
 Ion Ratio Lower Upper  
 152 100  
 150 155.6 128.3 192.5  
 115 64.6 52.4 78.6



#5  
 2-Fluorophenol  
 Concen: 72.381 ng  
 RT: 5.422 min Scan# 567  
 Delta R.T. 0.006 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Tgt Ion:112 Resp: 836038  
 Ion Ratio Lower Upper  
 112 100  
 64 58.1 44.9 67.3  
 63 29.7 25.4 38.0



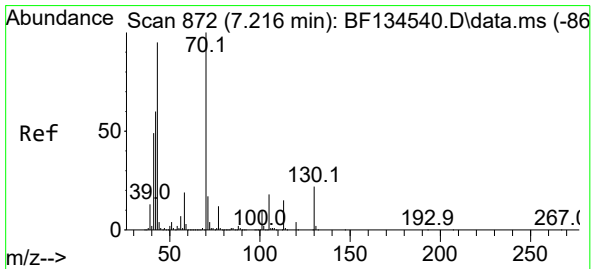
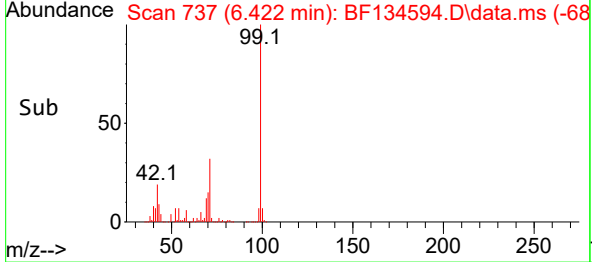
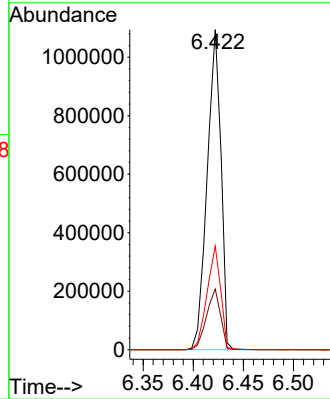
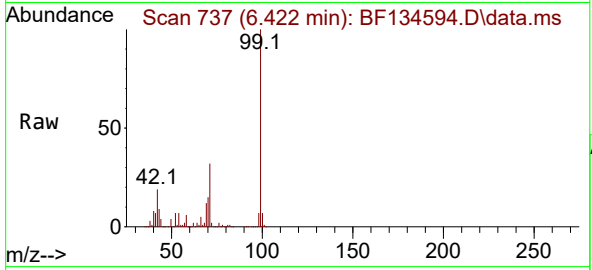


#7  
 Phenol-d6  
 Concen: 71.034 ng  
 RT: 6.422 min Scan# 71  
 Delta R.T. -0.006 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RB-56-(0-2)

Tgt Ion: 99 Resp: 1048819

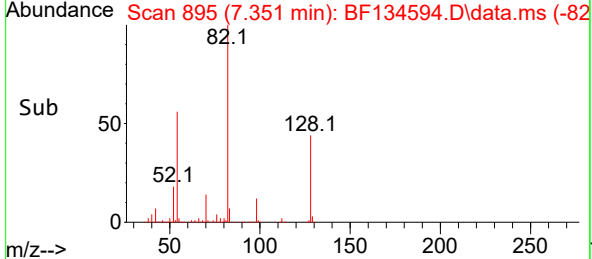
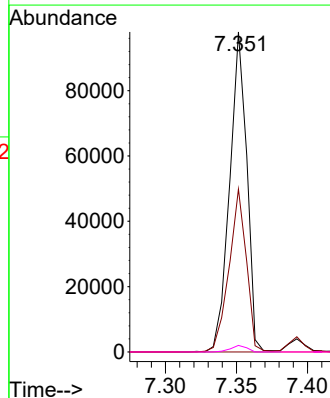
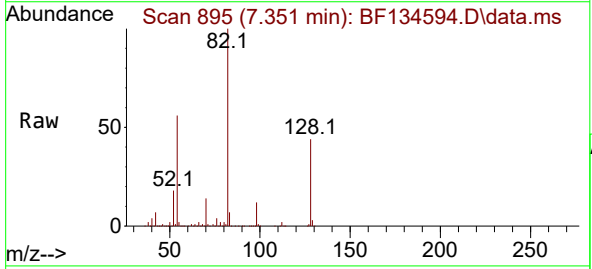
Ion	Ratio	Lower	Upper
99	100		
42	19.0	18.7	28.1
71	32.4	36.4	54.6

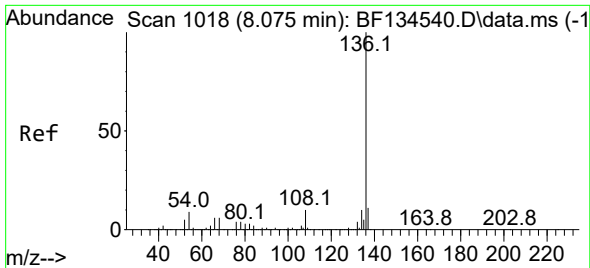


#19  
 n-Nitroso-di-n-propylamine  
 Concen: 9.327 ng  
 RT: 7.351 min Scan# 895  
 Delta R.T. 0.136 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Tgt Ion: 70 Resp: 82452

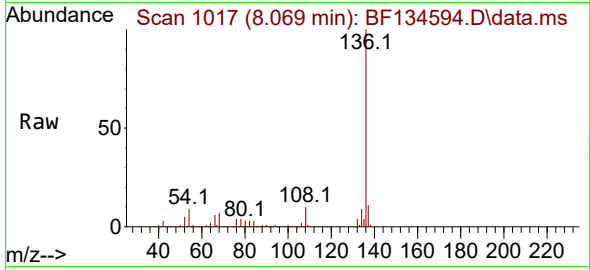
Ion	Ratio	Lower	Upper
70	100		
42	50.9	54.7	82.1
101	0.0	8.2	12.2
130	2.0	15.1	22.7



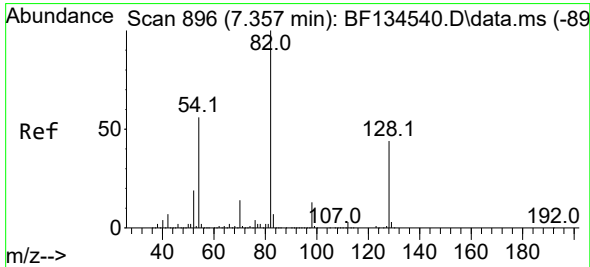
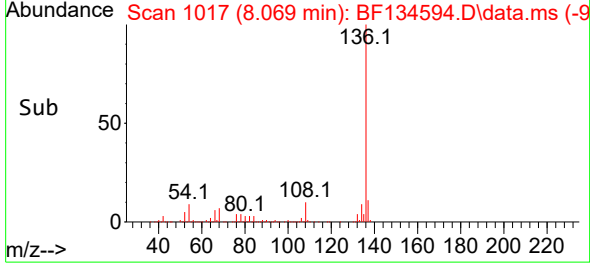
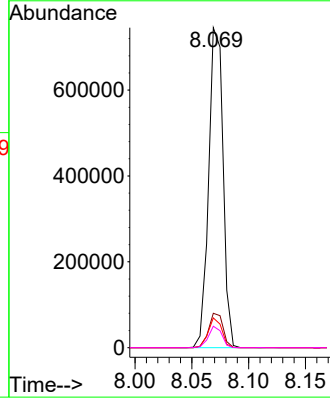


#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.069 min Scan# 1018  
 Delta R.T. -0.006 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Instrument : BNA\_F  
 ClientSampleId : RB-56-(0-2)

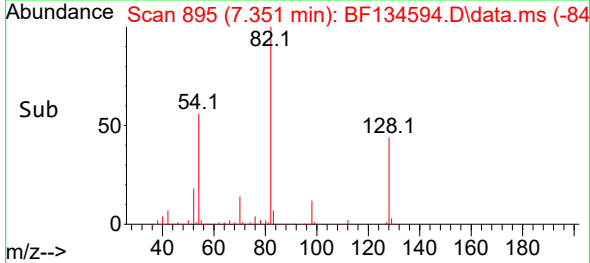
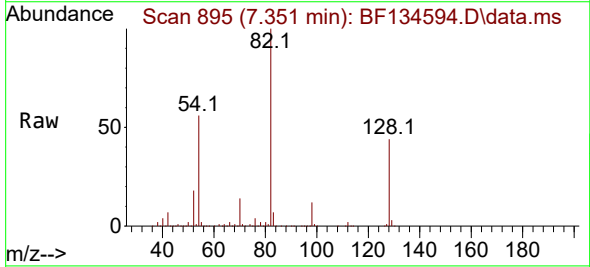
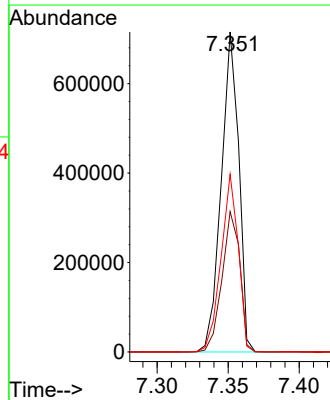


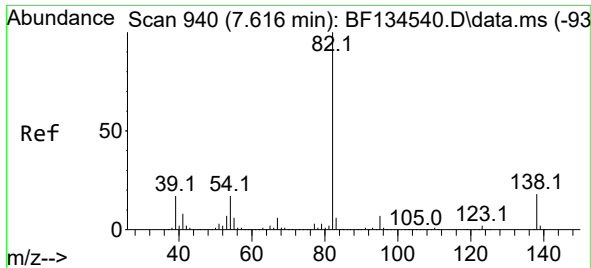
Tgt Ion:136 Resp: 655208  
 Ion Ratio Lower Upper  
 136 100  
 137 10.7 8.4 12.6  
 54 9.3 5.2 7.8#  
 68 6.7 2.9 4.3#



#23  
 Nitrobenzene-d5  
 Concen: 58.485 ng  
 RT: 7.351 min Scan# 895  
 Delta R.T. -0.006 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Tgt Ion: 82 Resp: 613184  
 Ion Ratio Lower Upper  
 82 100  
 128 43.9 34.3 51.5  
 54 55.6 43.8 65.6

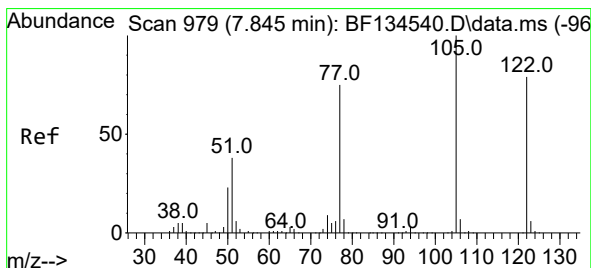
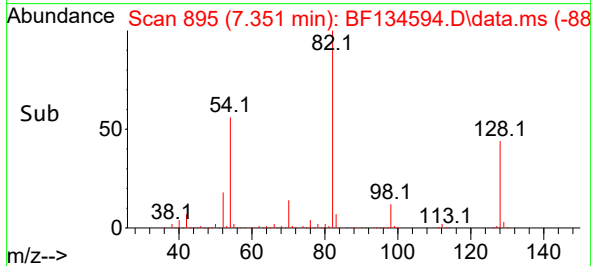
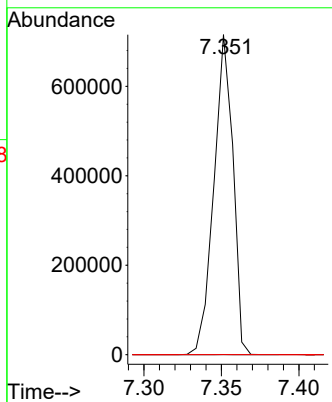
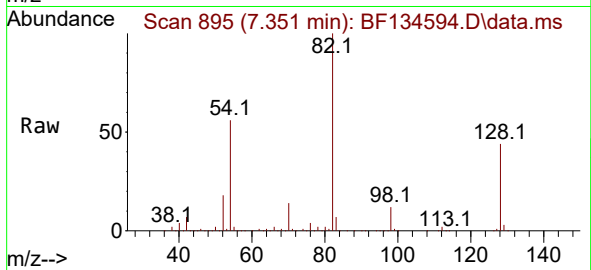




#25  
 Isophorone  
 Concen: 26.814 ng  
 RT: 7.351 min Scan# 895  
 Delta R.T. -0.264 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

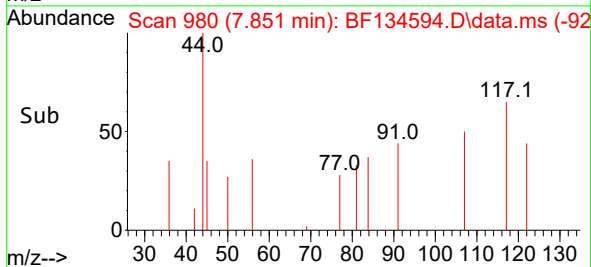
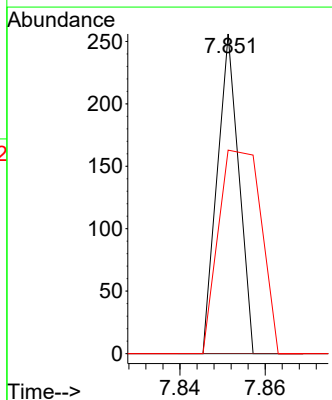
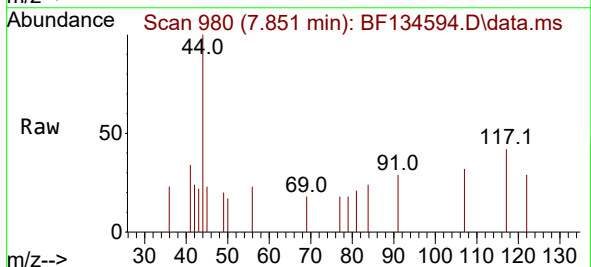
Instrument : BNA\_F  
 Client Sample Id : RB-56-(0-2)

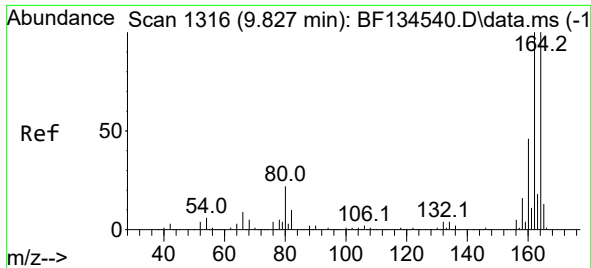
Tgt Ion: 82 Resp: 613171  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 6.0 9.0#  
 138 0.0 14.6 22.0#



#32  
 Benzoic acid  
 Concen: 7.878 ng  
 RT: 7.851 min Scan# 980  
 Delta R.T. 0.006 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

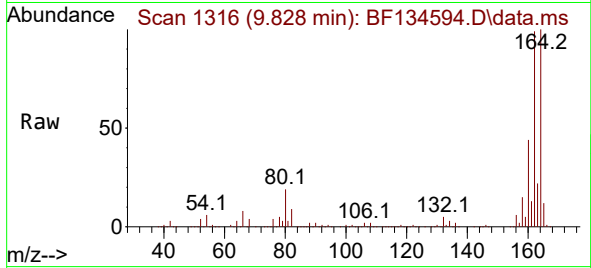
Tgt Ion: 122 Resp: 90  
 Ion Ratio Lower Upper  
 122 100  
 105 0.0 87.5 127.5#  
 77 63.7 71.4 111.4#



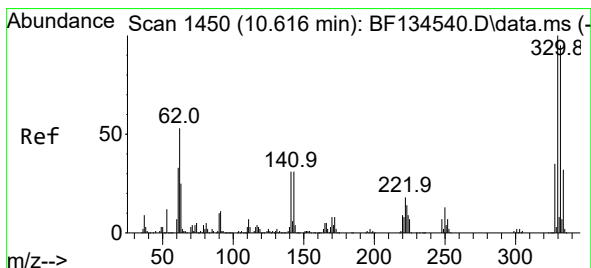
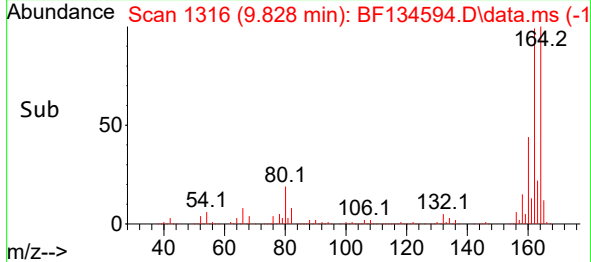
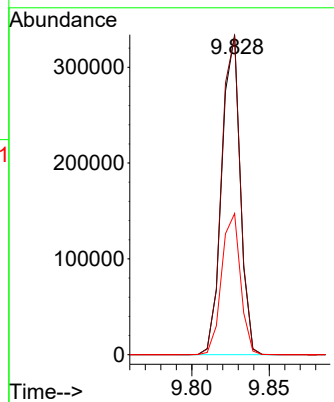


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.828 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

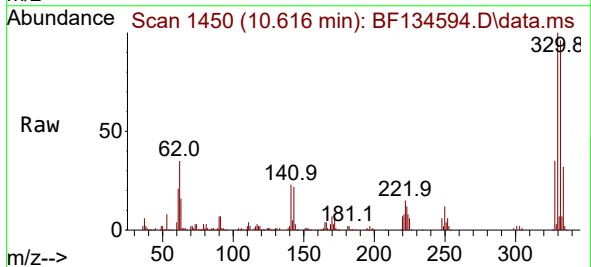
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 ClientSampleId :  
 RB-56-(0-2)



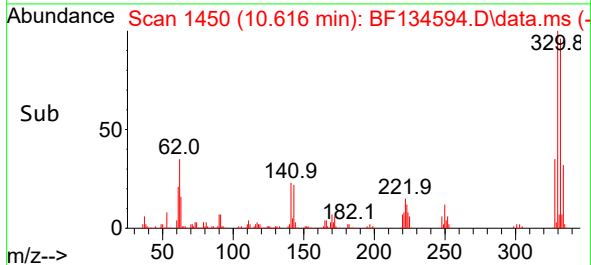
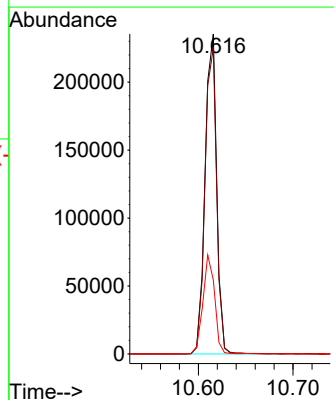
Tgt Ion:164 Resp: 275585  
 Ion Ratio Lower Upper  
 164 100  
 162 99.3 82.6 123.8  
 160 44.1 37.2 55.8

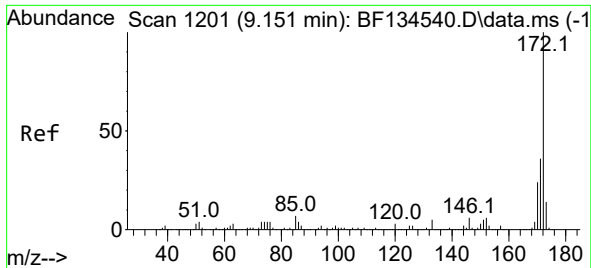


#42  
 2,4,6-Tribromophenol  
 Concen: 71.125 ng  
 RT: 10.616 min Scan# 1450  
 Delta R.T. 0.000 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48



Tgt Ion:330 Resp: 199814  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 78.8 118.2  
 141 31.2 25.4 38.2



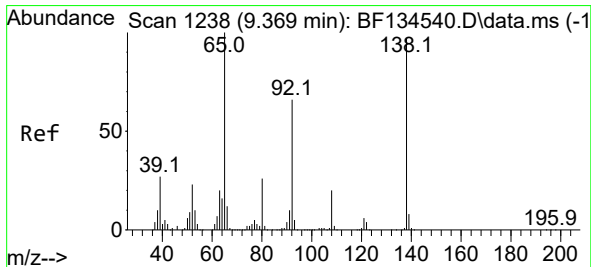
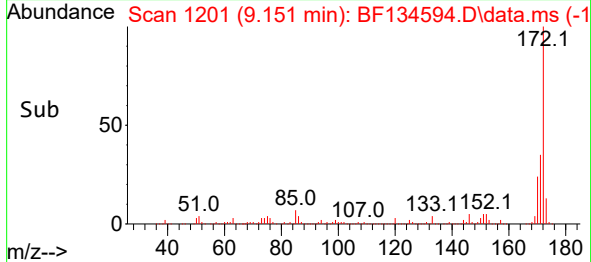
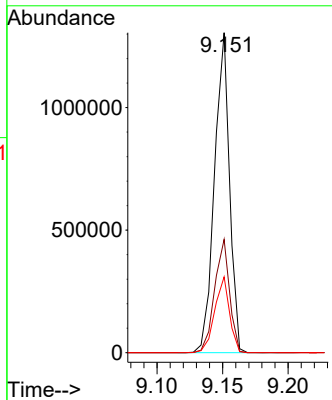
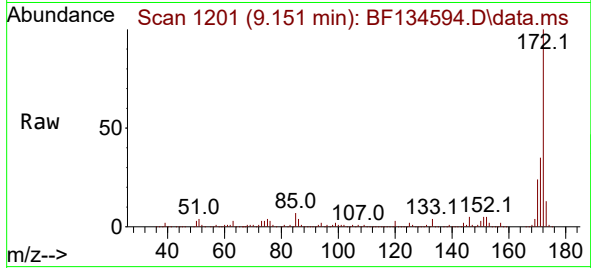


#45  
 2-Fluorobiphenyl  
 Concen: 62.657 ng  
 RT: 9.151 min Scan# 111  
 Delta R.T. 0.000 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Instrument : BNA\_F  
 ClientSampleId : RB-56-(0-2)

Tgt Ion:172 Resp: 1038508

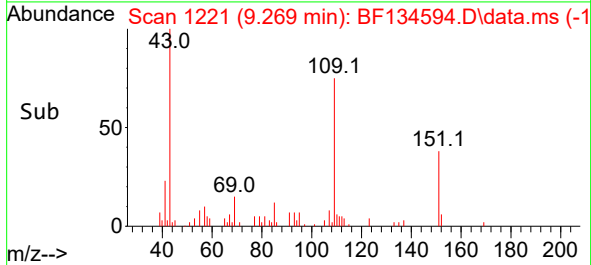
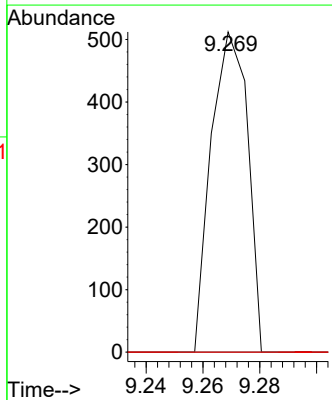
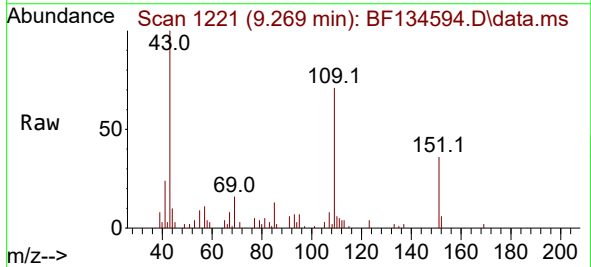
Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.8	43.2
170	23.7	18.7	28.1



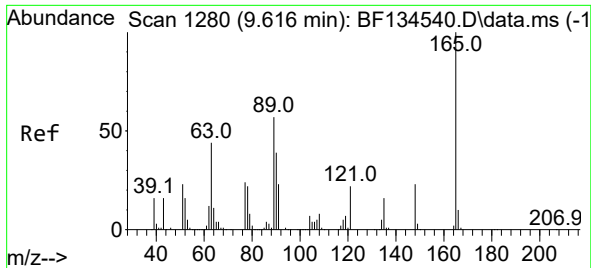
#48  
 2-Nitroaniline  
 Concen: 3.251 ng  
 RT: 9.269 min Scan# 1221  
 Delta R.T. -0.100 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Tgt Ion: 65 Resp: 457

Ion	Ratio	Lower	Upper
65	100		
92	0.0	50.7	76.1#
138	0.0	78.2	117.4#

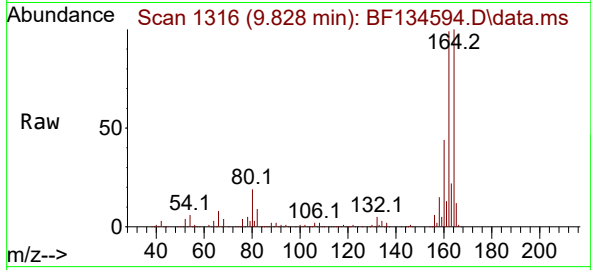




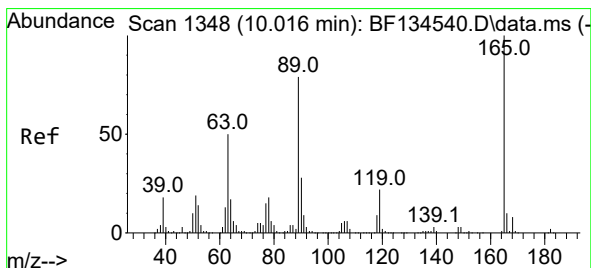
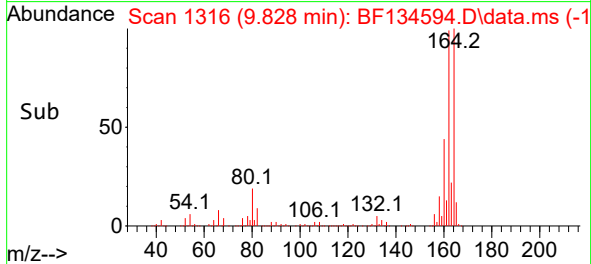
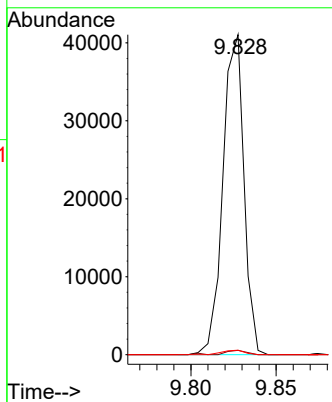


#51  
 2,6-Dinitrotoluene  
 Concen: 11.160 ng  
 RT: 9.828 min Scan# 1316  
 Delta R.T. 0.212 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Instrument :  
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 RB-56-(0-2)

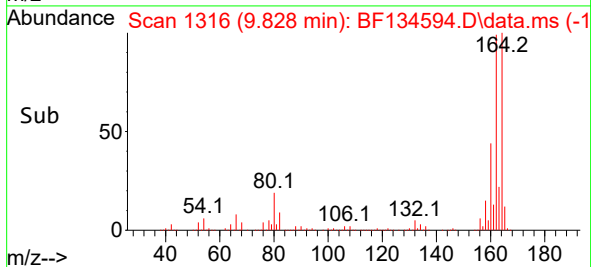
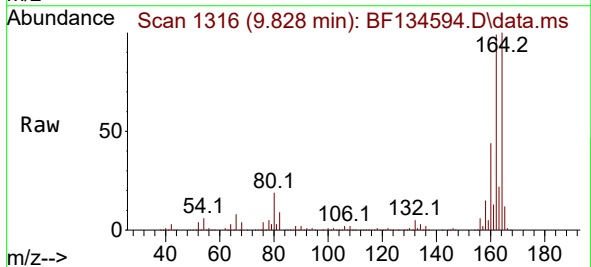
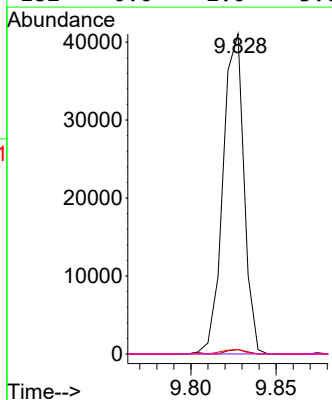


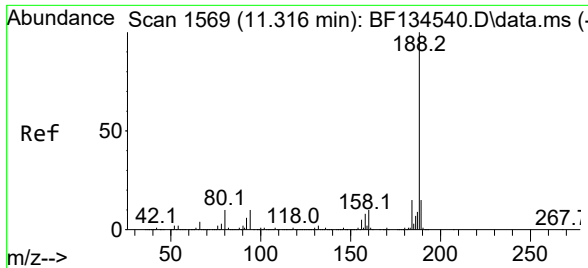
Tgt Ion:165 Resp: 35172  
 Ion Ratio Lower Upper  
 165 100  
 63 1.3 57.8 86.6#  
 89 1.4 51.8 77.8#



#57  
 2,4-Dinitrotoluene  
 Concen: 9.968 ng  
 RT: 9.828 min Scan# 1316  
 Delta R.T. -0.188 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Tgt Ion:165 Resp: 35172  
 Ion Ratio Lower Upper  
 165 100  
 63 1.3 48.9 73.3#  
 89 1.4 61.7 92.5#  
 182 0.0 2.0 3.0#



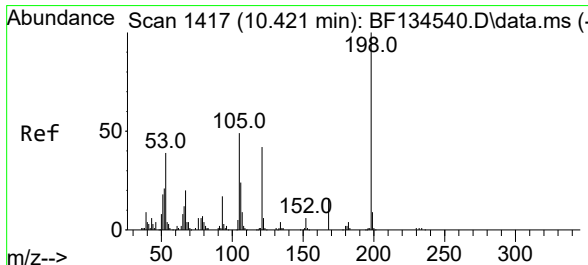
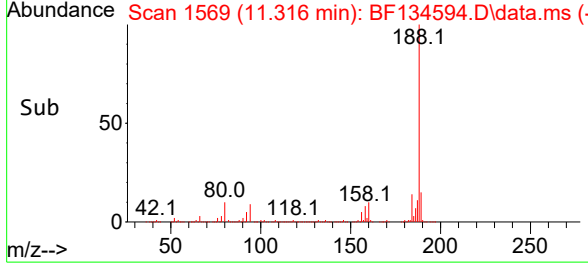
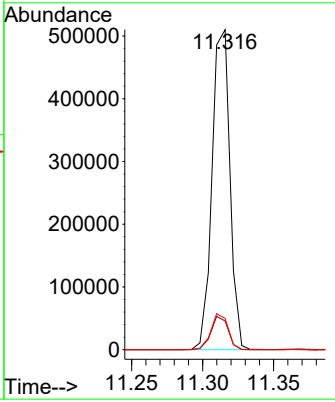
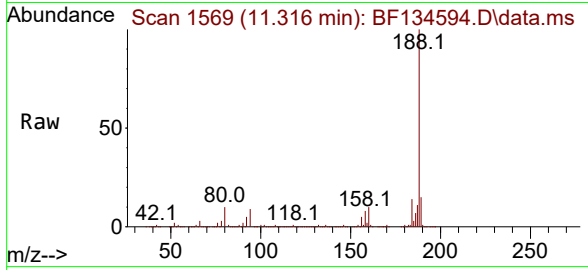


#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.316 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Instrument : BNA\_F  
 ClientSampleId : RB-56-(0-2)

Tgt Ion:188 Resp: 445934

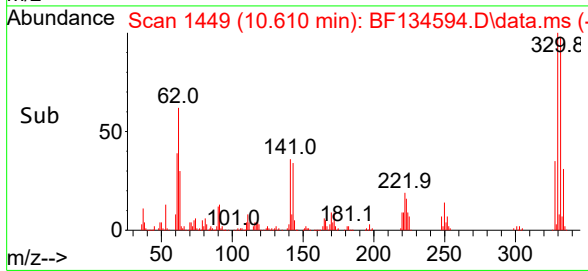
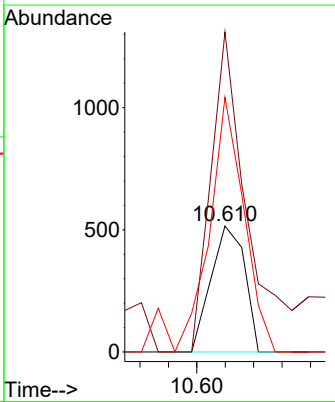
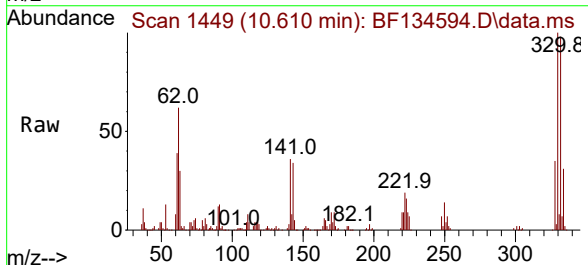
Ion	Ratio	Lower	Upper
188	100		
94	8.9	5.1	7.7#
80	9.7	6.6	9.8

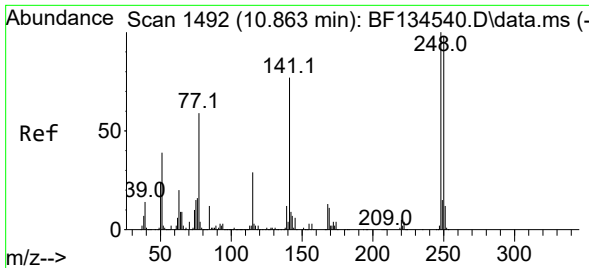


#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.892 ng  
 RT: 10.610 min Scan# 1449  
 Delta R.T. 0.189 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Tgt Ion:198 Resp: 425

Ion	Ratio	Lower	Upper
198	100		
51	253.9	38.6	78.6#
105	202.1	27.9	67.9#

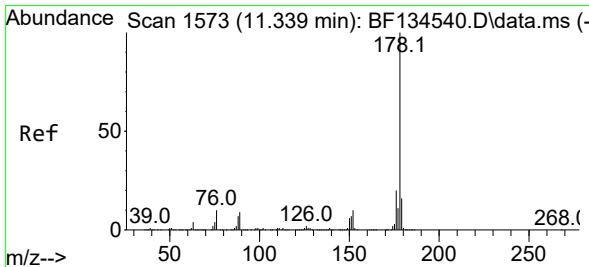
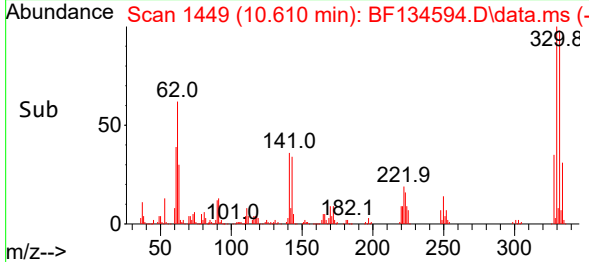
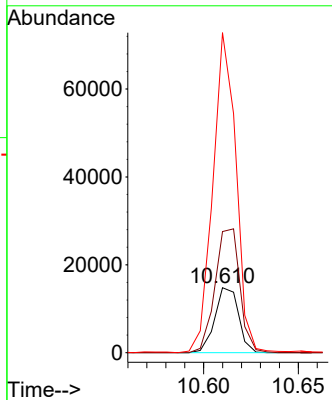
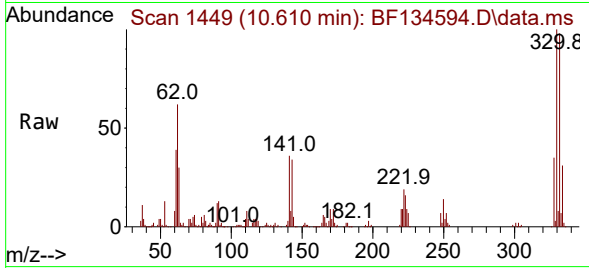




#67  
 4-Bromophenyl-phenylether  
 Concen: 2.643 ng  
 RT: 10.610 min Scan# 1492  
 Delta R.T. -0.253 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

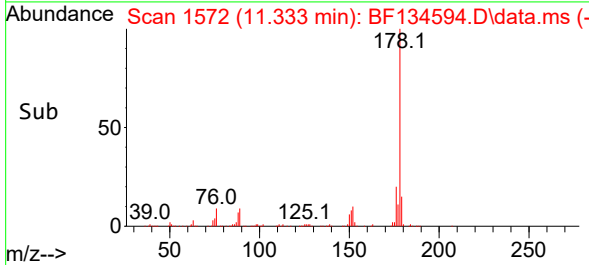
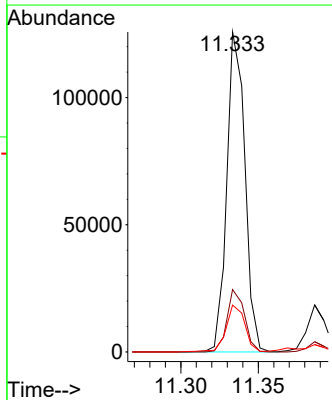
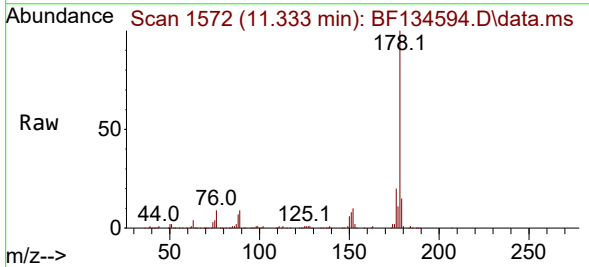
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RB-56-(0-2)

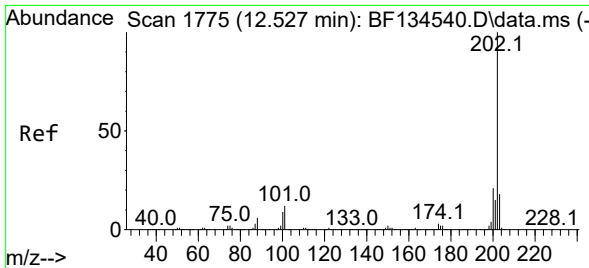
Tgt Ion:248 Resp: 12901  
 Ion Ratio Lower Upper  
 248 100  
 250 186.4 79.6 119.4#  
 141 492.7 59.6 89.4#



#71  
 Phenanthrene  
 Concen: 4.318 ng  
 RT: 11.333 min Scan# 1572  
 Delta R.T. -0.006 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Tgt Ion:178 Resp: 102276  
 Ion Ratio Lower Upper  
 178 100  
 176 19.5 15.8 23.6  
 179 14.7 12.7 19.1

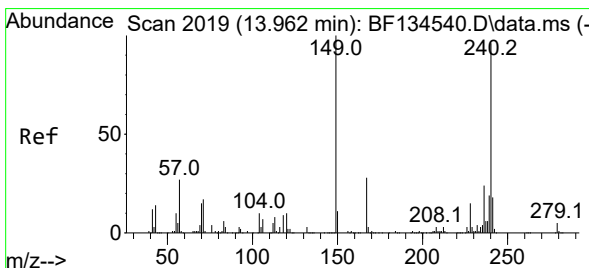
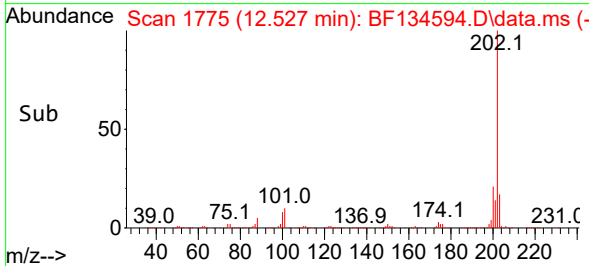
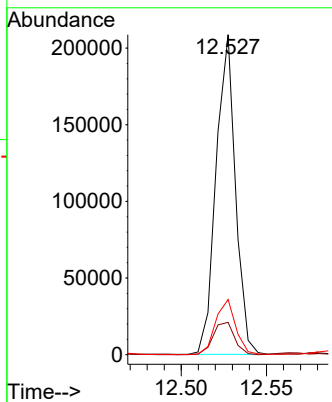
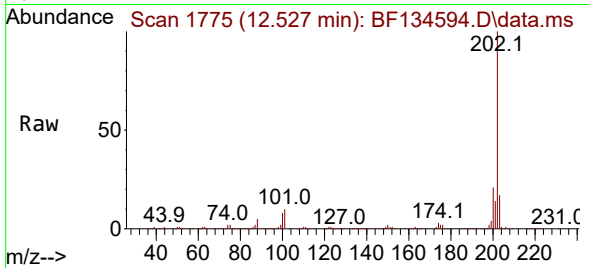




#75  
 Fluoranthene  
 Concen: 6.607 ng  
 RT: 12.527 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

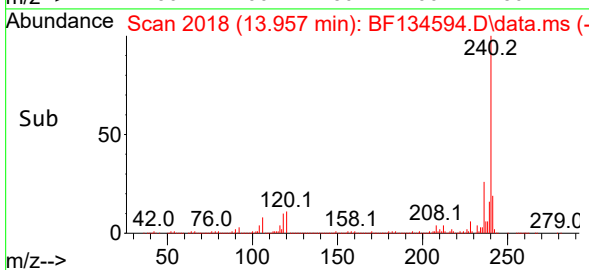
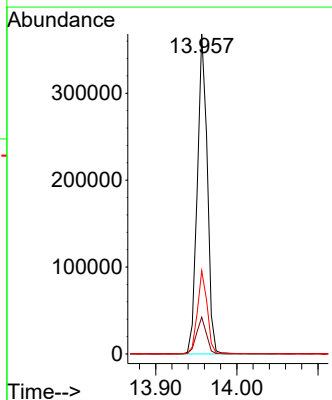
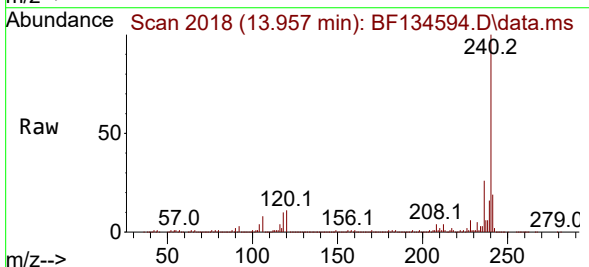
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RB-56-(0-2)

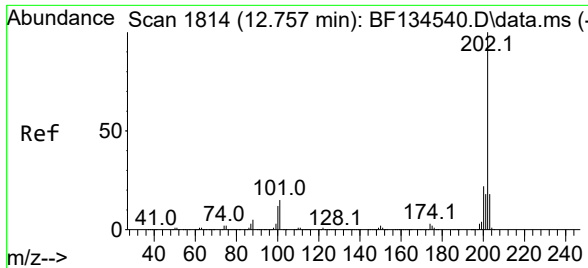
Tgt Ion	Resp	Lower	Upper
202	165298		
101	10.1	0.0	28.5
203	17.2	0.0	37.5



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.957 min Scan# 2018  
 Delta R.T. -0.006 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Tgt Ion	Resp	Lower	Upper
240	316680		
120	11.5	6.6	10.0#
236	26.0	20.2	30.2



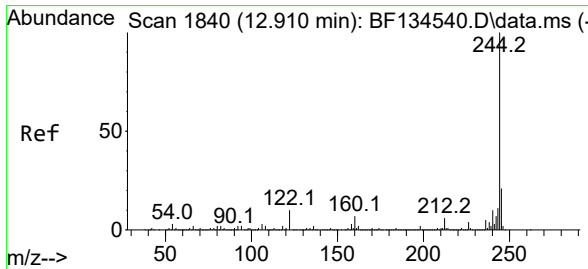
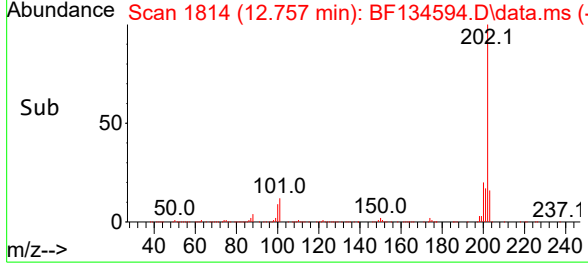
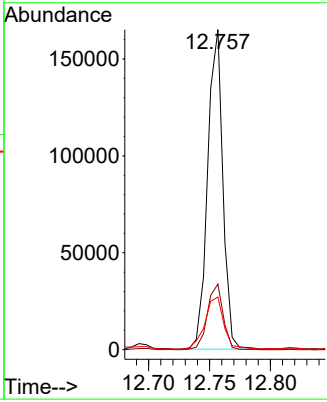
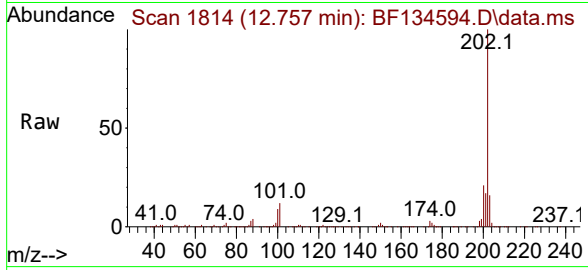


#78  
 Pyrene  
 Concen: 5.233 ng  
 RT: 12.757 min Scan# 1814  
 Delta R.T. 0.000 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Instrument : BNA\_F  
 ClientSampleId : RB-56-(0-2)

Tgt Ion: 202 Resp: 143394

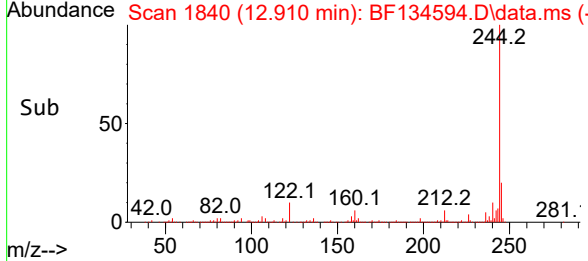
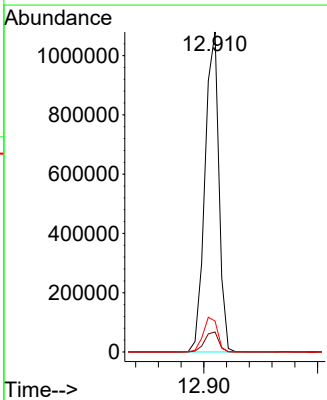
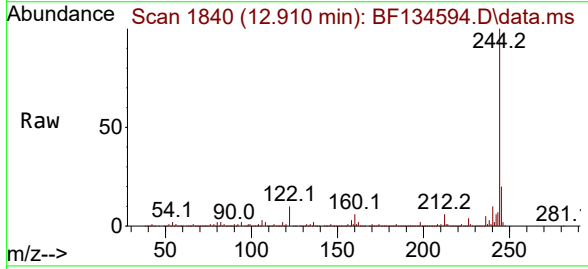
Ion	Ratio	Lower	Upper
202	100		
200	20.5	15.8	23.8
203	16.5	13.5	20.3

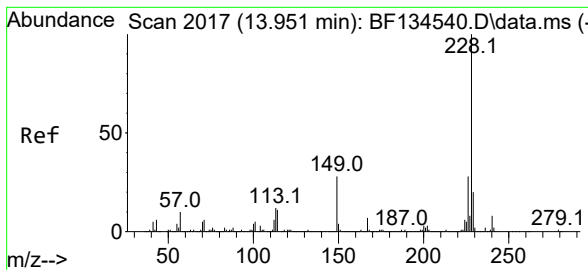


#79  
 Terphenyl-d14  
 Concen: 51.000 ng  
 RT: 12.910 min Scan# 1840  
 Delta R.T. 0.000 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Tgt Ion: 244 Resp: 916153

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.6	8.4
122	9.7	8.0	12.0



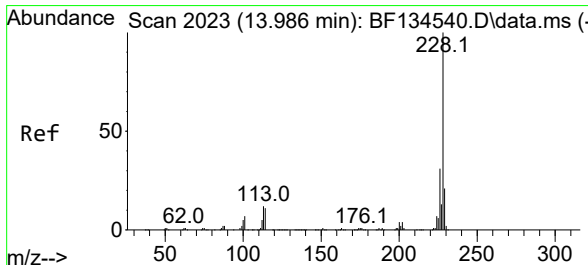
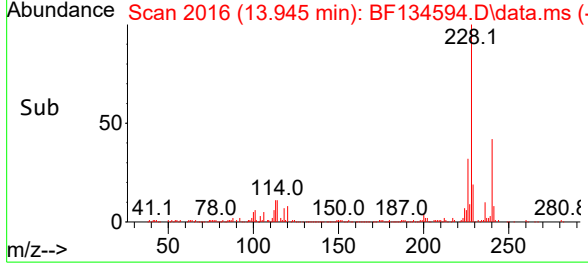
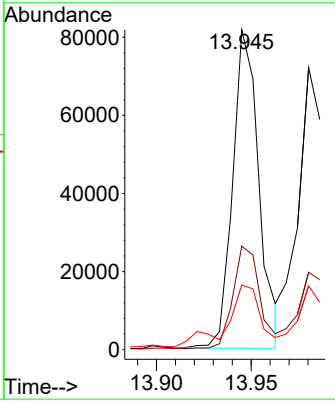
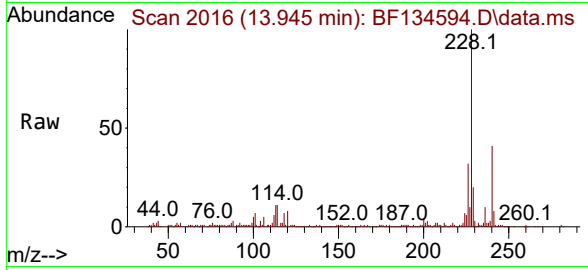


#81  
 Benzo(a)anthracene  
 Concen: 3.463 ng  
 RT: 13.945 min Scan# 2016  
 Delta R.T. -0.006 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Instrument : BNA\_F  
 ClientSampleId : RB-56-(0-2)

Tgt Ion:228 Resp: 78424

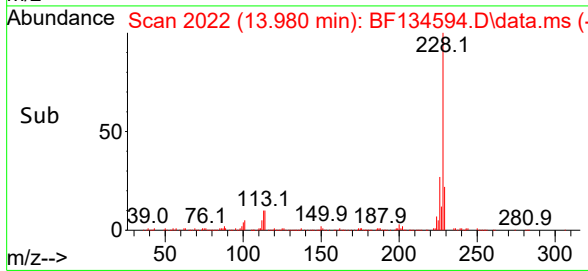
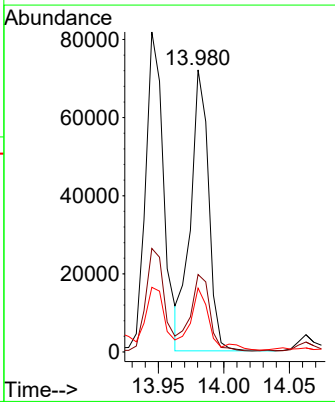
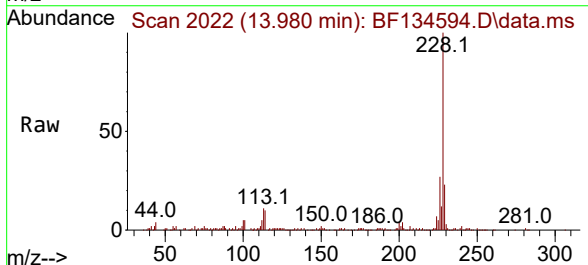
Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.3	33.5
229	20.2	15.8	23.6

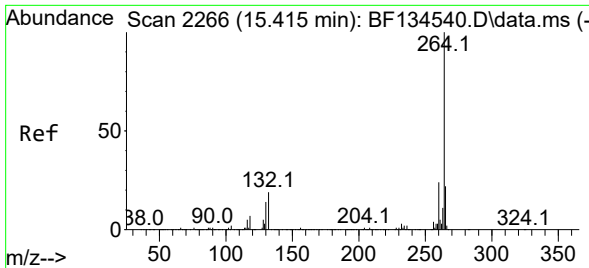


#83  
 Chrysene  
 Concen: 3.139 ng  
 RT: 13.980 min Scan# 2022  
 Delta R.T. -0.006 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Tgt Ion:228 Resp: 69255

Ion	Ratio	Lower	Upper
228	100		
226	27.4	24.5	36.7
229	22.6	15.8	23.8



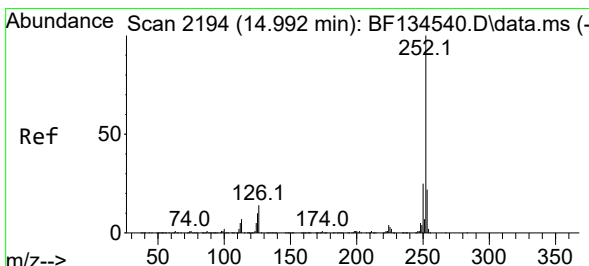
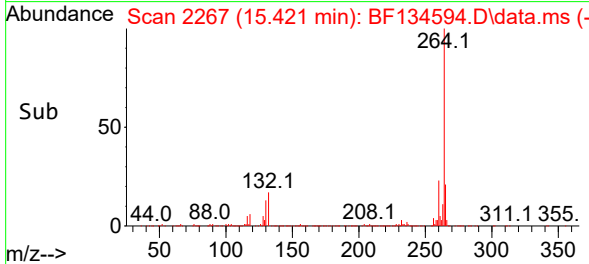
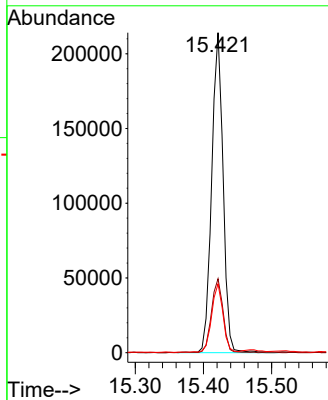
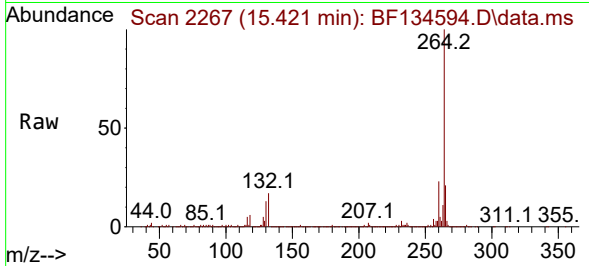


#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.421 min Scan# 2194  
 Delta R.T. 0.006 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RB-56-(0-2)

Tgt Ion:264 Resp: 249970

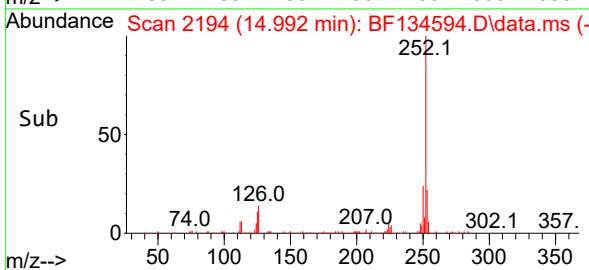
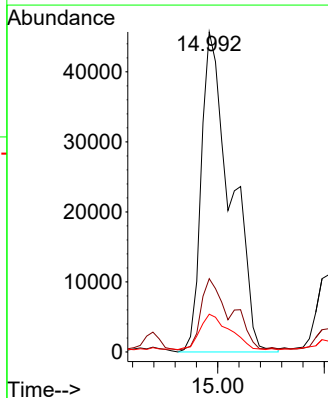
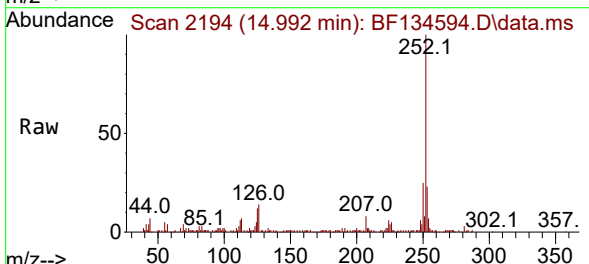
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.4	27.6
265	21.5	15.8	23.8

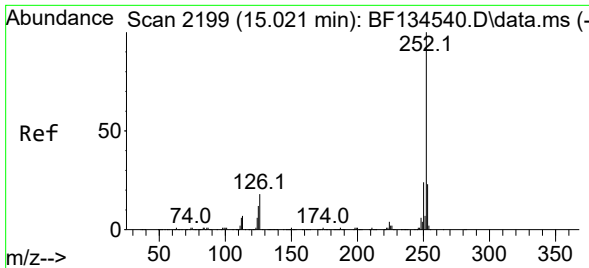


#88  
 Benzo(b)fluoranthene  
 Concen: 5.766 ng  
 RT: 14.992 min Scan# 2194  
 Delta R.T. 0.000 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Tgt Ion:252 Resp: 87900

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	11.8	6.0	9.0

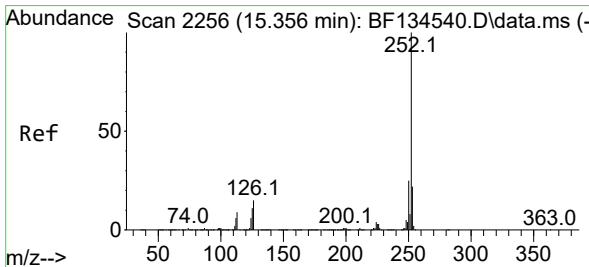
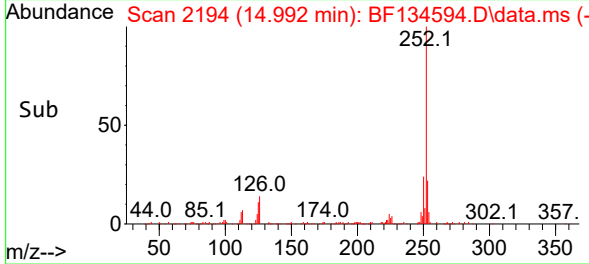
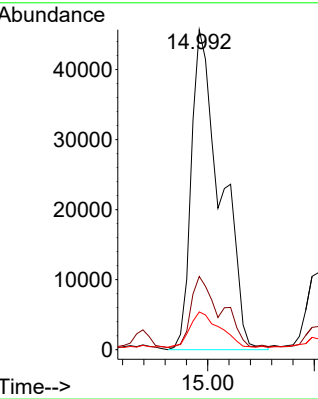
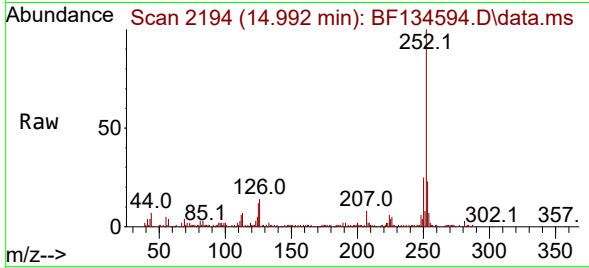




#89  
 Benzo(k)fluoranthene  
 Concen: 5.788 ng  
 RT: 14.992 min Scan# 2194  
 Delta R.T. -0.029 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

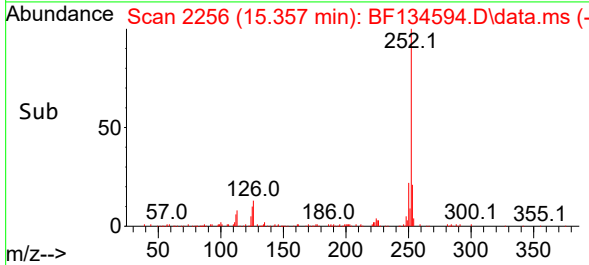
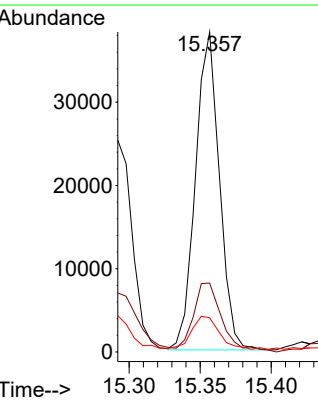
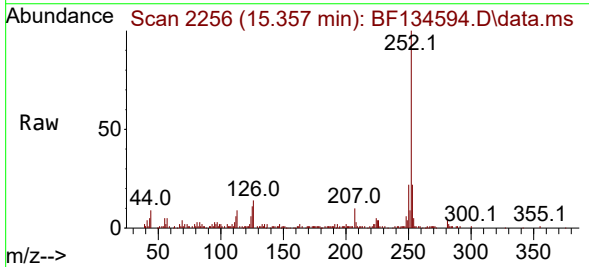
Instrument : BNA\_F  
 ClientSampleId : RB-56-(0-2)

Tgt Ion	Resp	Lower	Upper
252	87900	100	100
253	22.9	17.9	26.9
125	11.8	6.3	9.5

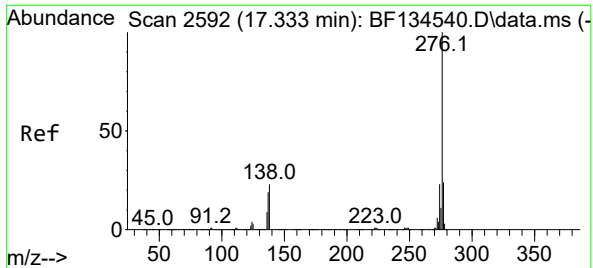


#90  
 Benzo(a)pyrene  
 Concen: 3.151 ng  
 RT: 15.357 min Scan# 2256  
 Delta R.T. 0.000 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Tgt Ion	Resp	Lower	Upper
252	44784	100	100
253	21.5	17.0	25.4
125	10.7	6.2	9.4

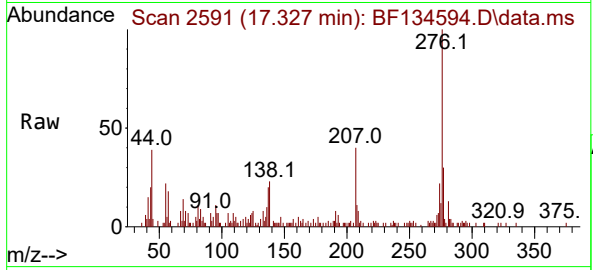






#92  
 Benzo(g,h,i)perylene  
 Concen: 2.049 ng  
 RT: 17.327 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BF134594.D  
 Acq: 02 Aug 2023 22:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RB-56-(0-2)



Tgt Ion: 276 Resp: 24834

Ion	Ratio	Lower	Upper
276	100		
277	29.8	19.0	28.6#
138	23.4	12.2	18.2#

