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 Data File : BM036159.D
 Acq On : 09 Aug 2022 00:17
 Operator : CG/JU
 Sample : N3962-19
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RVE-204

Quant Time: Aug 09 01:34:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 23:36:56 2022
 Response via : Initial Calibration

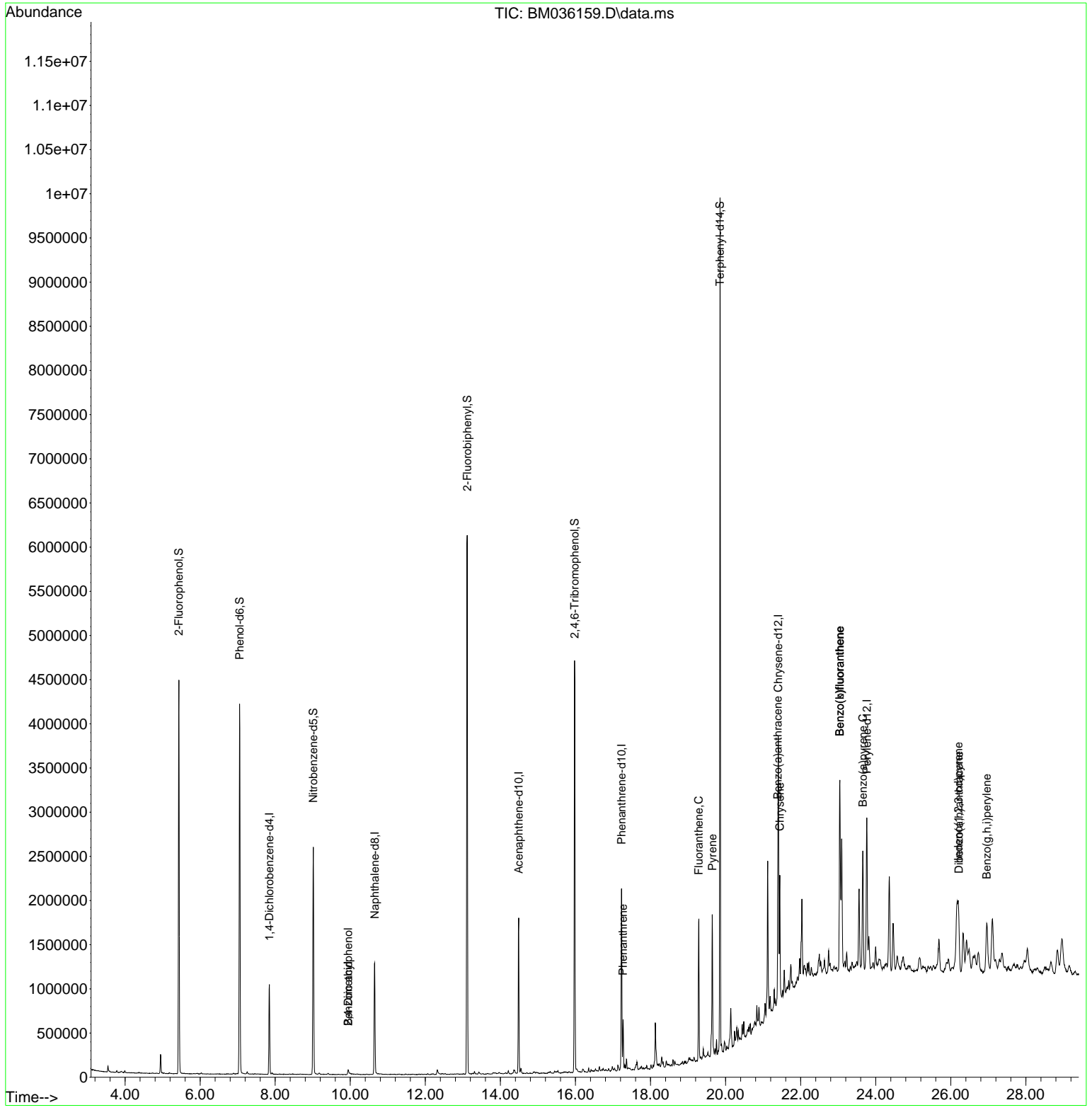
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.845	152	272723	20.000	ng	0.00	
21) Naphthalene-d8	10.651	136	1075610	20.000	ng	0.00	
39) Acenaphthene-d10	14.486	164	602851	20.000	ng	0.00	
64) Phenanthrene-d10	17.227	188	1185816	20.000	ng	0.00	
76) Chrysene-d12	21.403	240	1131908	20.000	ng	-0.02	
86) Perylene-d12	23.762	264	1199699	20.000	ng	-0.01	
System Monitoring Compounds							
5) 2-Fluorophenol	5.434	112	1923985	114.375	ng	0.00	
7) Phenol-d6	7.051	99	2377111	111.057	ng	-0.01	
23) Nitrobenzene-d5	9.016	82	1455543	75.749	ng	0.00	
42) 2,4,6-Tribromophenol	15.980	330	851394	120.385	ng	0.00	
45) 2-Fluorobiphenyl	13.116	172	3150436	77.159	ng	0.00	
79) Terphenyl-d14	19.851	244	4420063	77.023	ng	-0.01	
Target Compounds							
27) 2,4-Dimethylphenol	9.945	122	30463	2.308	ng	#	6
32) Benzoic acid	9.945	122	30463	2.912	ng		98
71) Phenanthrene	17.268	178	280857	4.649	ng		99
75) Fluoranthene	19.286	202	917576	13.569	ng		99
78) Pyrene	19.645	202	952109	13.565	ng		100
81) Benzo(a)anthracene	21.392	228	647176	9.283	ng		98
83) Chrysene	21.445	228	734637	11.085	ng		98
87) Indeno(1,2,3-cd)pyrene	26.203	276	680221	8.068	ng		97
88) Benzo(b)fluoranthene	23.044	252	1260654	17.935	ng	#	96
89) Benzo(k)fluoranthene	23.044	252	1260654	17.758	ng	#	96
90) Benzo(a)pyrene	23.656	252	894191	15.162	ng		96
91) Dibenzo(a,h)anthracene	26.215	278	178923	2.535	ng	#	82
92) Benzo(g,h,i)perylene	26.956	276	712794	10.433	ng		97

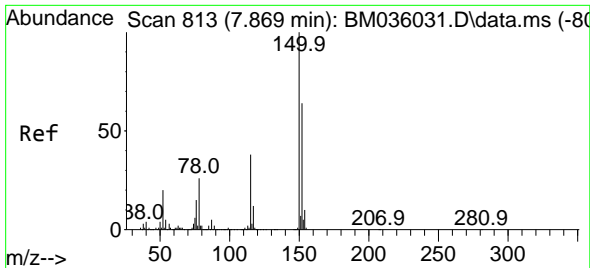
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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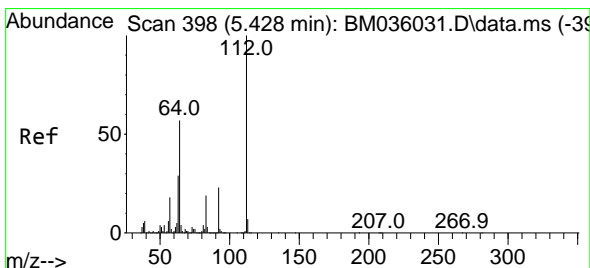
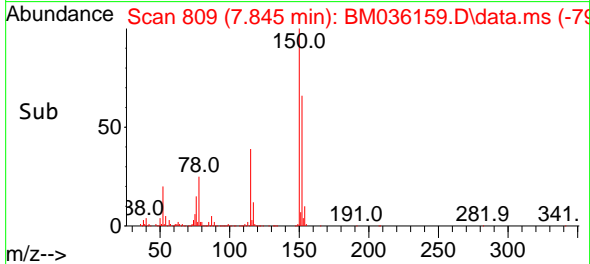
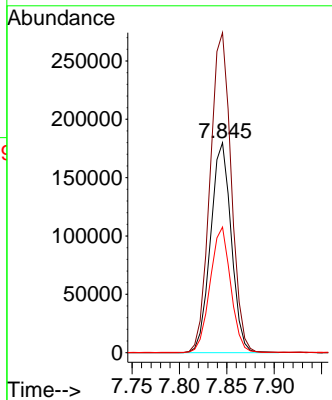
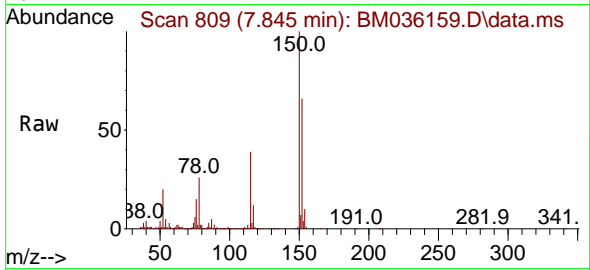




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.845 min Scan# 809
 Delta R.T. 0.000 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

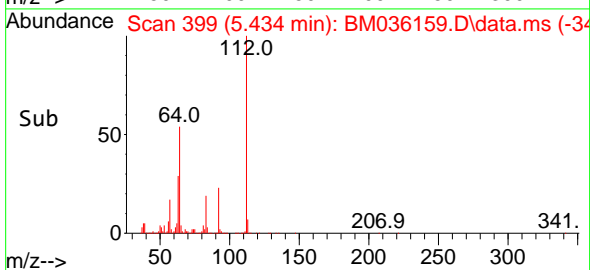
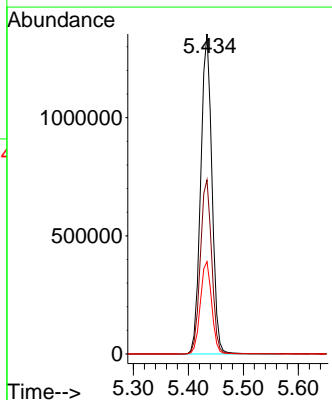
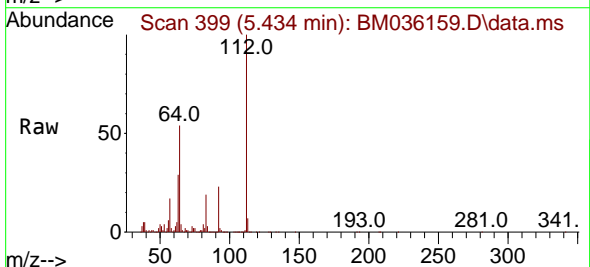
Instrument :
 BNA_M
 ClientSampleId :
 RVE-204

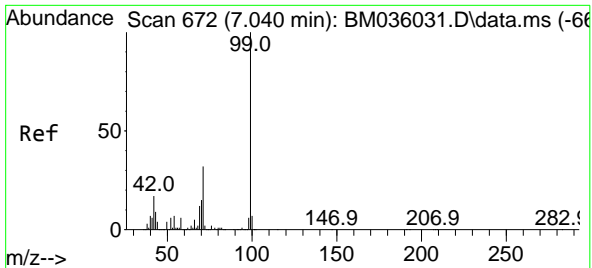
Tgt Ion:152 Resp: 272723
 Ion Ratio Lower Upper
 152 100
 150 152.4 124.9 187.3
 115 59.8 47.9 71.9



#5
 2-Fluorophenol
 Concen: 114.375 ng
 RT: 5.434 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

Tgt Ion:112 Resp: 1923985
 Ion Ratio Lower Upper
 112 100
 64 54.4 47.8 71.6
 63 28.8 26.6 40.0



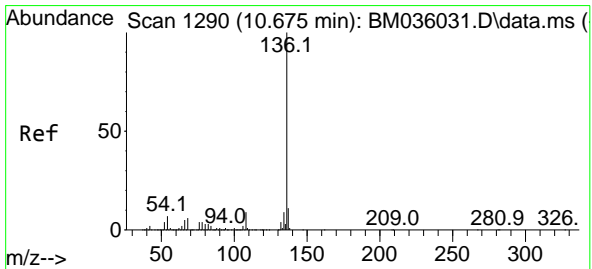
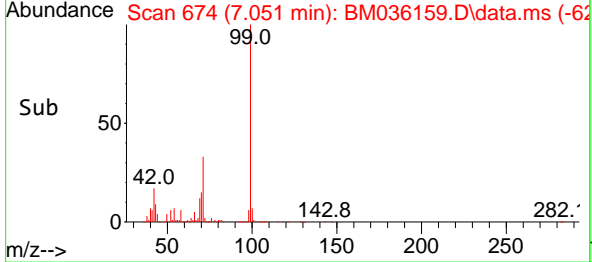
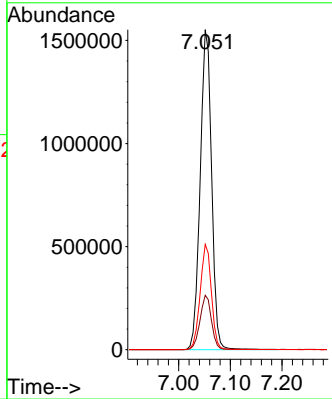
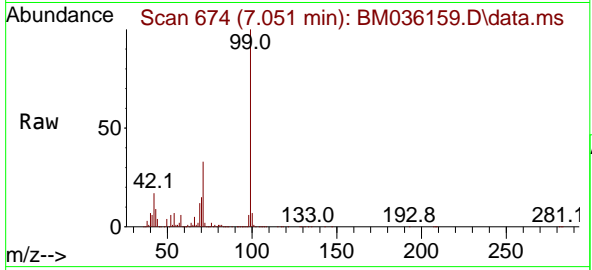


#7
Phenol-d6
Concen: 111.057 ng
RT: 7.051 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM036159.D
Acq: 09 Aug 2022 00:17

Instrument :
BNA_M
ClientSampleId :
RVE-204

Tgt Ion: 99 Resp: 2377111

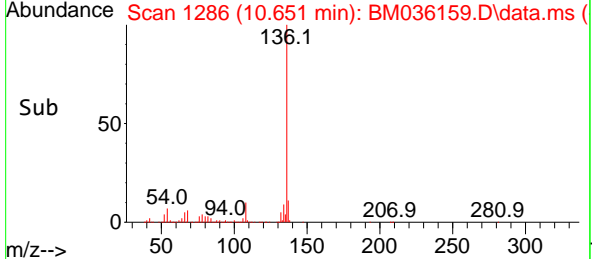
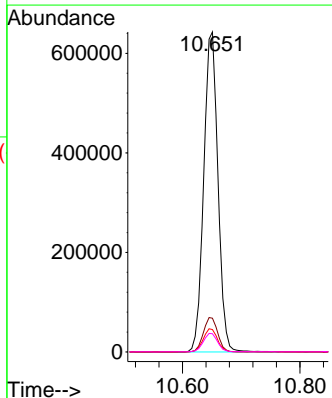
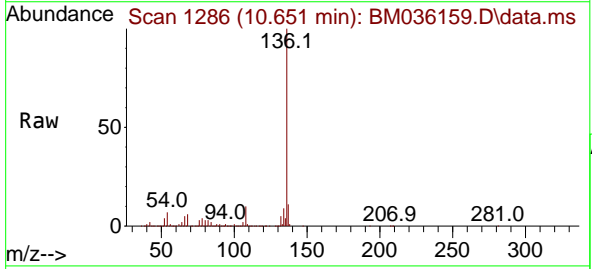
Ion	Ratio	Lower	Upper
99	100		
42	17.0	18.8	28.2
71	32.9	30.2	45.2

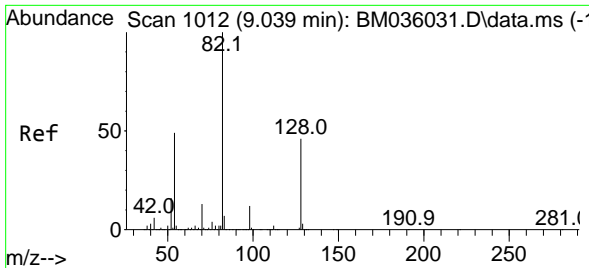


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BM036159.D
Acq: 09 Aug 2022 00:17

Tgt Ion: 136 Resp: 1075610

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.0	7.0	10.4
68	5.7	4.3	6.5

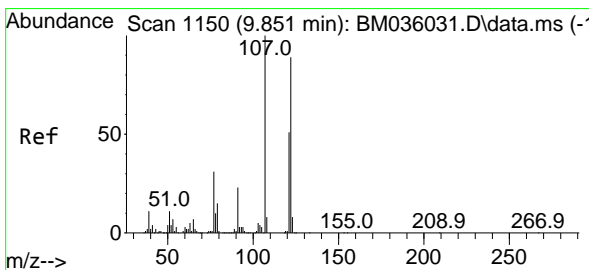
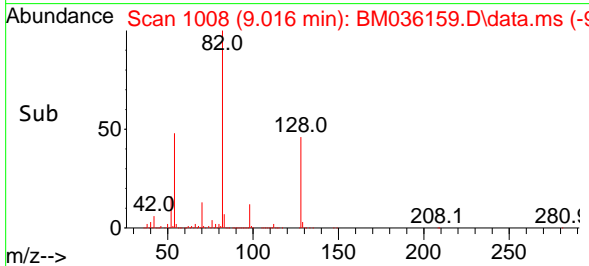
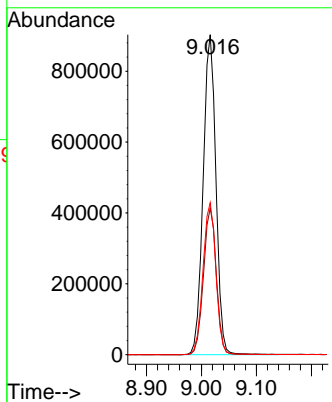
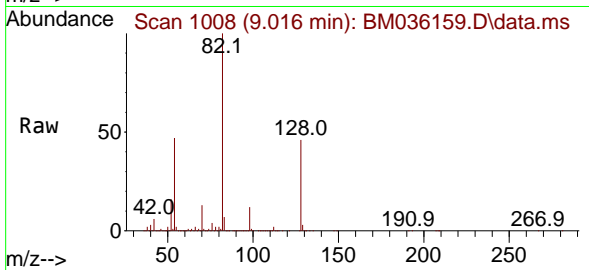




#23
 Nitrobenzene-d5
 Concen: 75.749 ng
 RT: 9.016 min Scan# 1100
 Delta R.T. -0.006 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

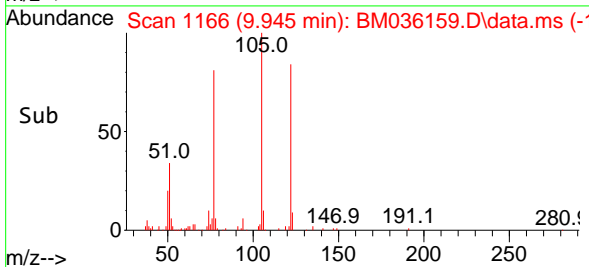
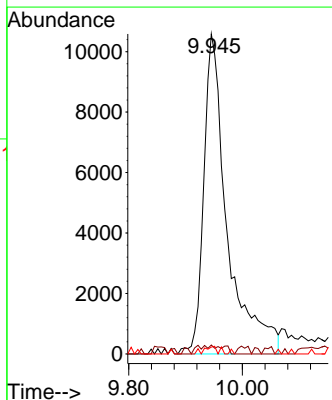
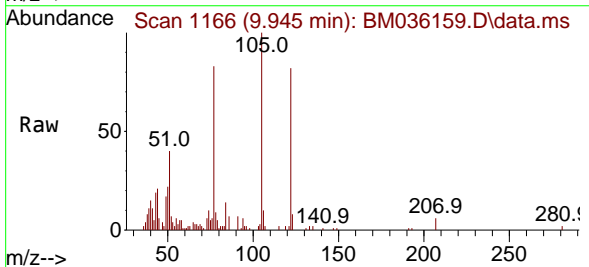
Instrument :
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 ClientSampleId :
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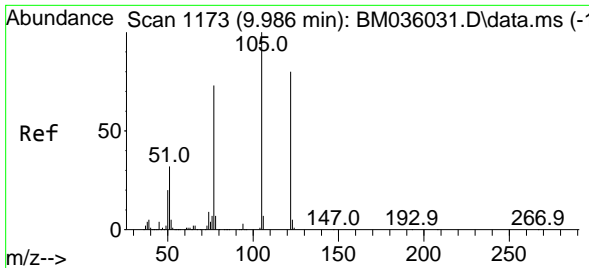
Tgt Ion: 82 Resp: 1455543
 Ion Ratio Lower Upper
 82 100
 128 45.8 33.7 50.5
 54 47.5 43.2 64.8



#27
 2,4-Dimethylphenol
 Concen: 2.308 ng
 RT: 9.945 min Scan# 1166
 Delta R.T. 0.088 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

Tgt Ion:122 Resp: 30463
 Ion Ratio Lower Upper
 122 100
 107 2.8 92.4 138.6#
 121 2.1 47.4 71.0#

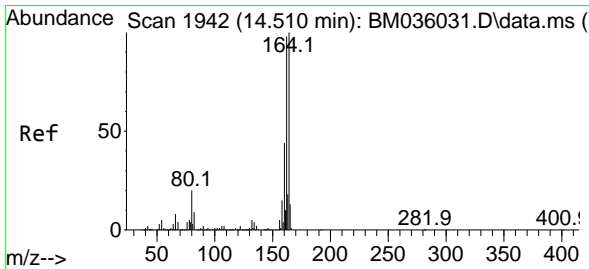
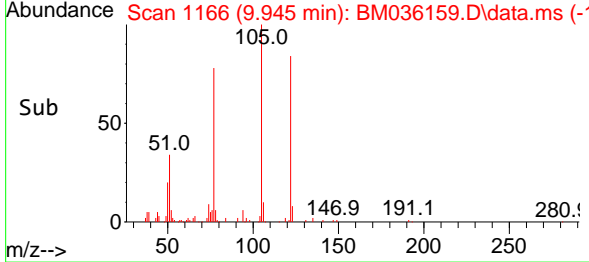
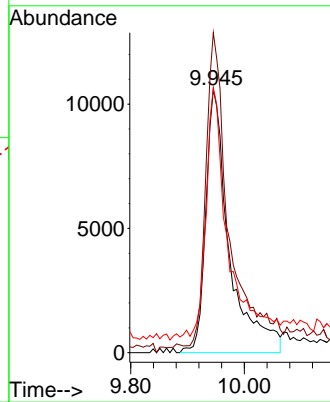
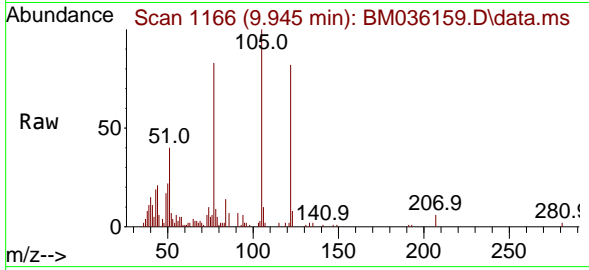




#32
 Benzoic acid
 Concen: 2.912 ng
 RT: 9.945 min Scan# 1173
 Delta R.T. -0.100 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

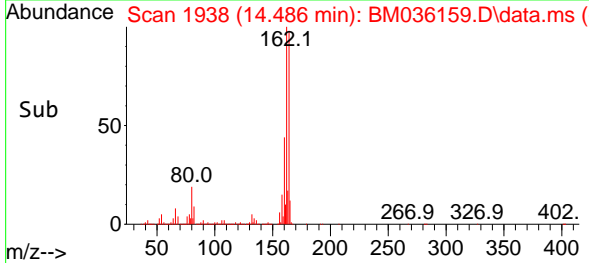
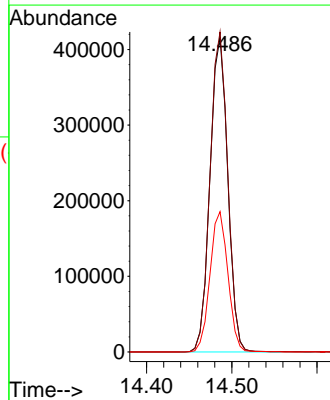
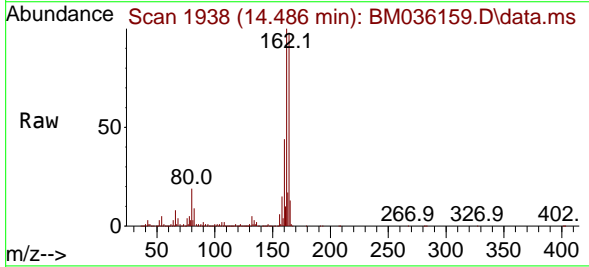
Instrument :
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 ClientSampleId :
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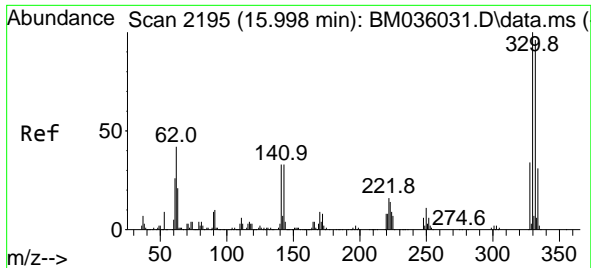
Tgt Ion:122 Resp: 30463
 Ion Ratio Lower Upper
 122 100
 105 121.6 105.7 145.7
 77 100.7 80.0 120.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.486 min Scan# 1938
 Delta R.T. -0.006 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

Tgt Ion:164 Resp: 602851
 Ion Ratio Lower Upper
 164 100
 162 101.7 83.0 124.6
 160 44.6 37.0 55.4

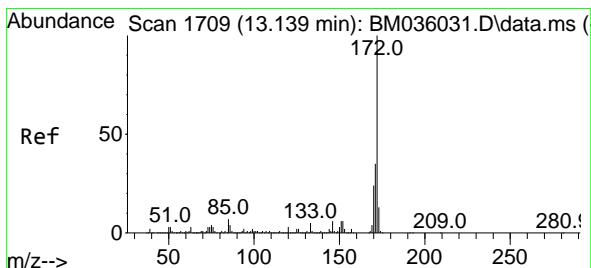
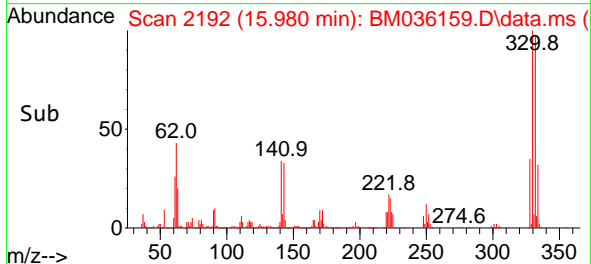
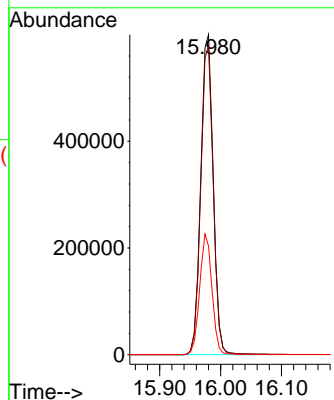
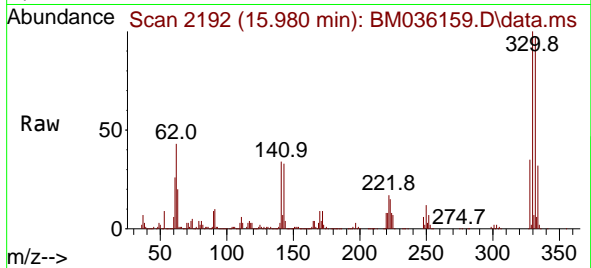




#42
 2,4,6-Tribromophenol
 Concen: 120.385 ng
 RT: 15.980 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

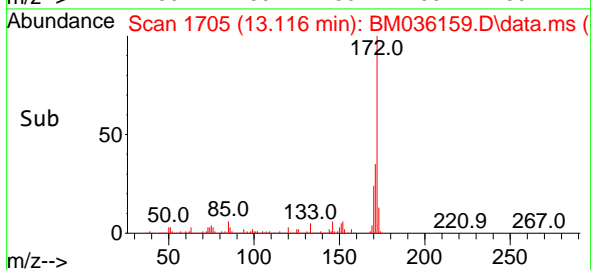
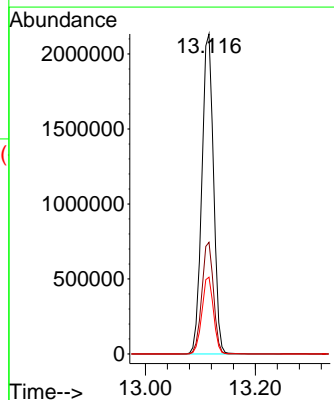
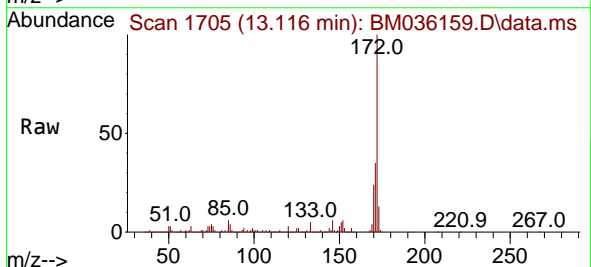
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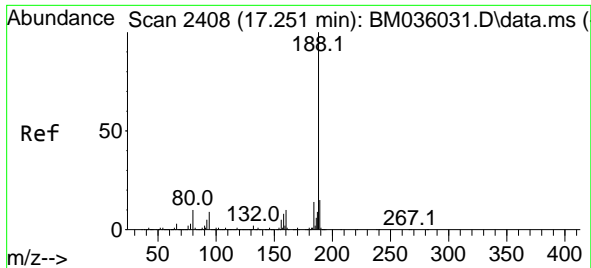
Tgt Ion:330 Resp: 851394
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.4
 141 37.0 35.3 52.9



#45
 2-Fluorobiphenyl
 Concen: 77.159 ng
 RT: 13.116 min Scan# 1705
 Delta R.T. -0.006 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

Tgt Ion:172 Resp: 3150436
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.5 42.7
 170 24.0 18.7 28.1



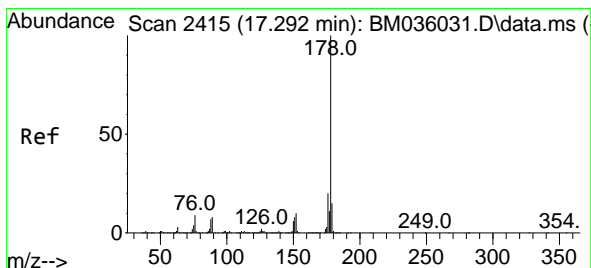
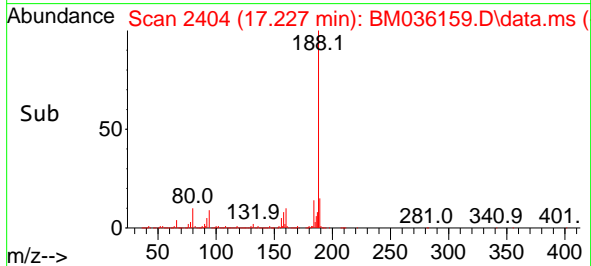
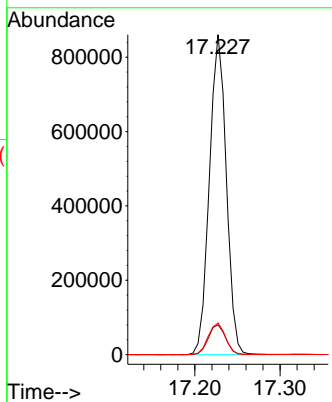
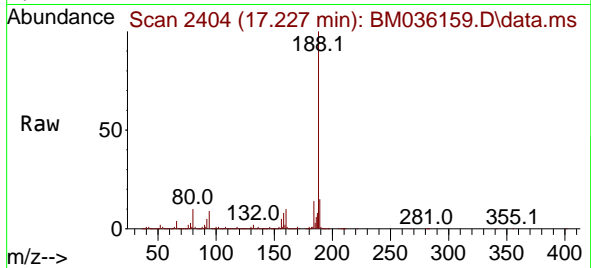


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.227 min Scan# 2411
 Delta R.T. -0.006 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion:188 Resp: 1185816

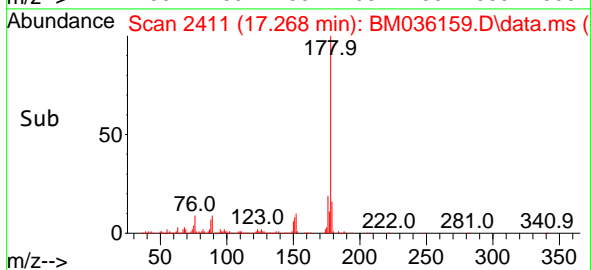
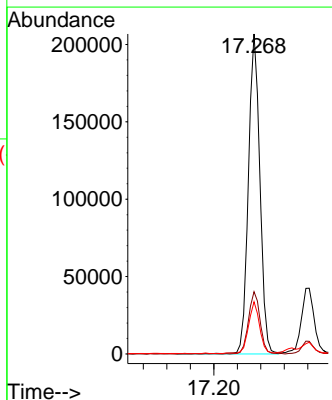
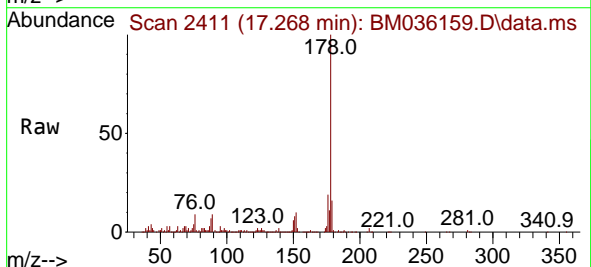
Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.0	10.4
80	9.9	7.6	11.4

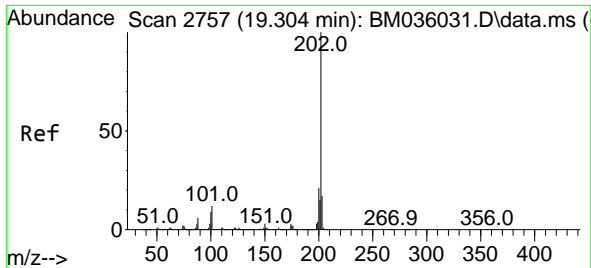


#71
 Phenanthrene
 Concen: 4.649 ng
 RT: 17.268 min Scan# 2411
 Delta R.T. -0.006 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

Tgt Ion:178 Resp: 280857

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	16.3	12.4	18.6

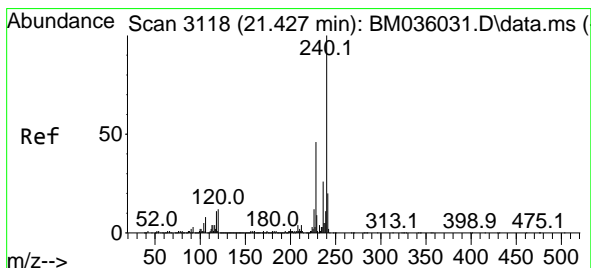
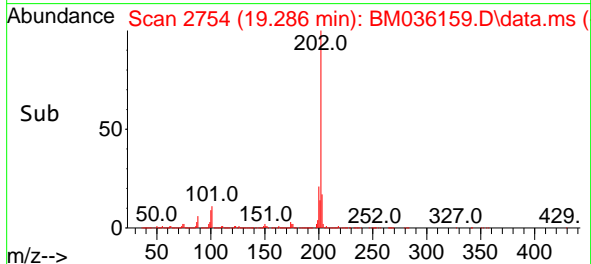
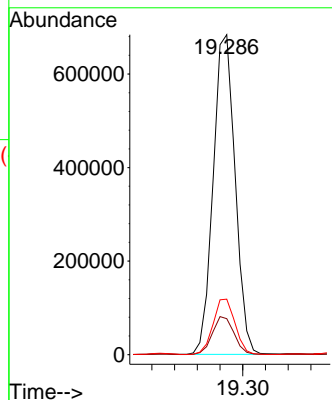
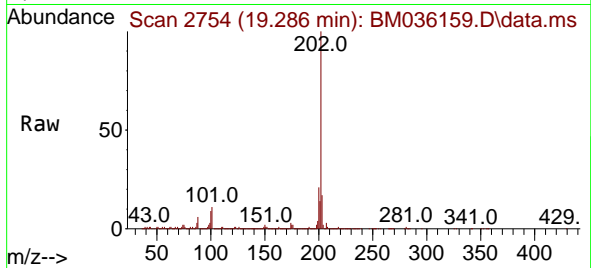




#75
 Fluoranthene
 Concen: 13.569 ng
 RT: 19.286 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

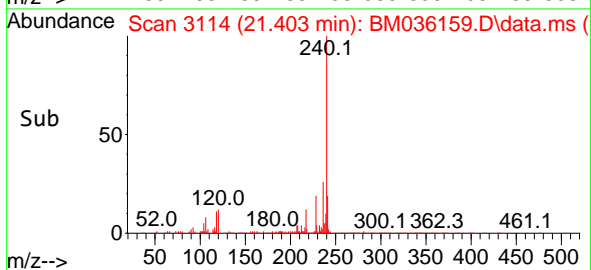
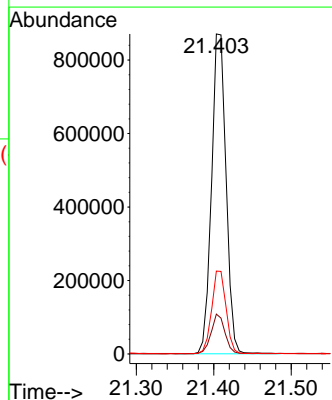
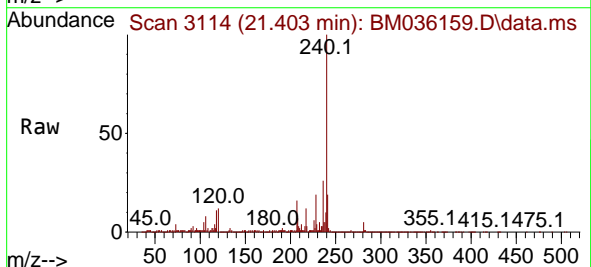
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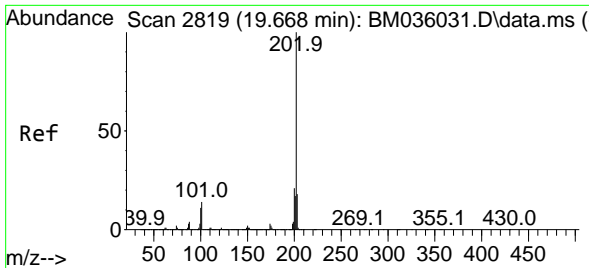
Tgt Ion:202 Resp: 917576
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 30.6
 203 17.4 0.0 37.4



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.403 min Scan# 3114
 Delta R.T. -0.018 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

Tgt Ion:240 Resp: 1131908
 Ion Ratio Lower Upper
 240 100
 120 12.5 9.4 14.0
 236 25.9 20.6 30.8



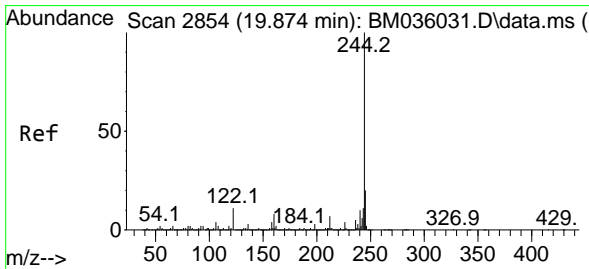
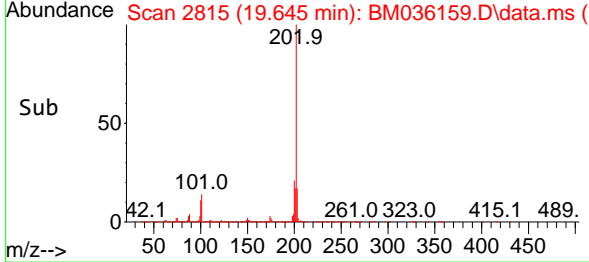
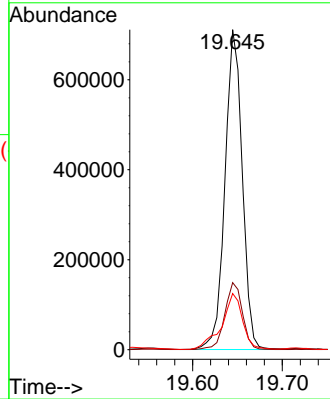
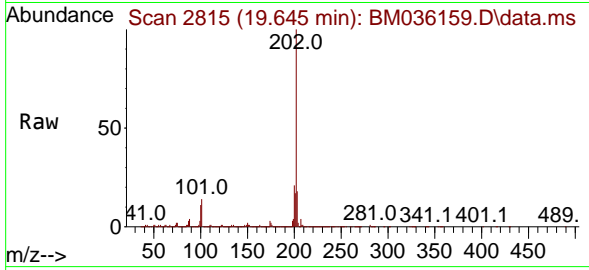


#78
 Pyrene
 Concen: 13.565 ng
 RT: 19.645 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

Instrument :
 BNA_M
 ClientSampleId :
 RVE-204

Tgt Ion: 202 Resp: 952109

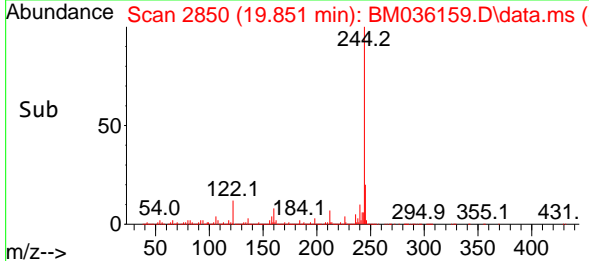
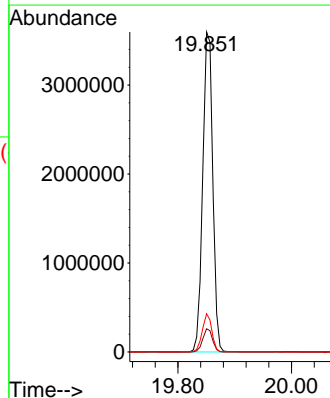
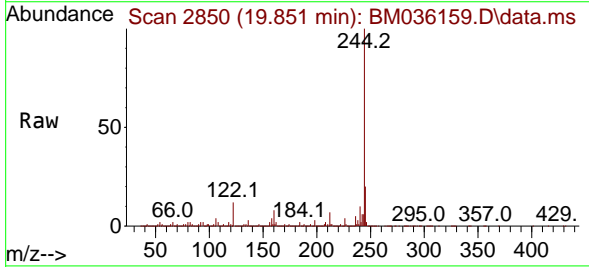
Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.6	13.9	20.9

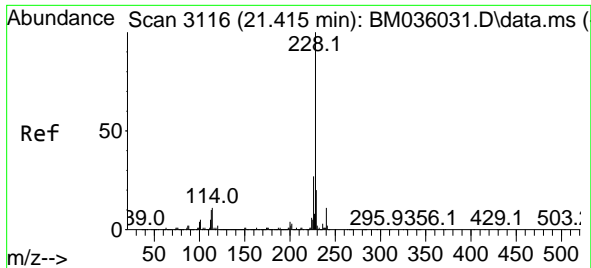


#79
 Terphenyl-d14
 Concen: 77.023 ng
 RT: 19.851 min Scan# 2850
 Delta R.T. -0.012 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

Tgt Ion: 244 Resp: 4420063

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.4
122	12.0	8.3	12.5



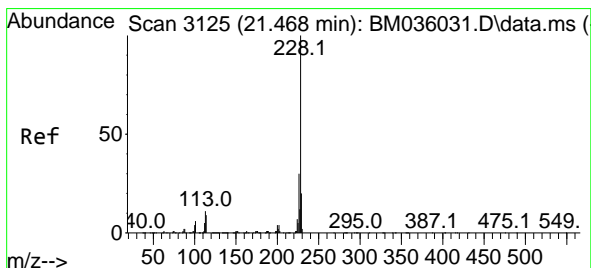
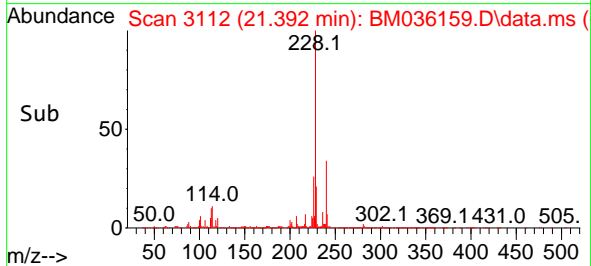
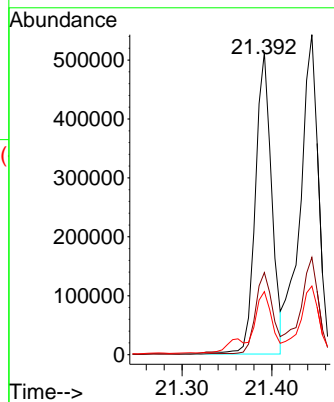
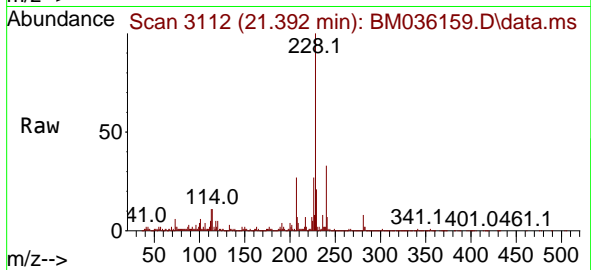


#81
 Benzo(a)anthracene
 Concen: 9.283 ng
 RT: 21.392 min Scan# 3112
 Delta R.T. -0.012 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

Instrument :
 BNA_M
 ClientSampleId :
 RVE-204

Tgt Ion:228 Resp: 647176

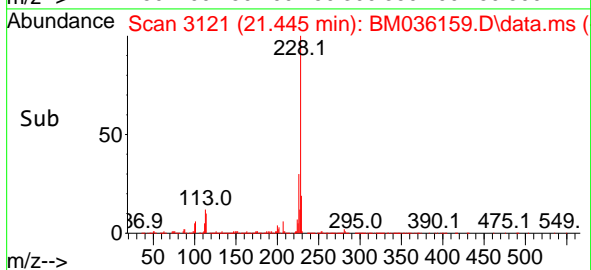
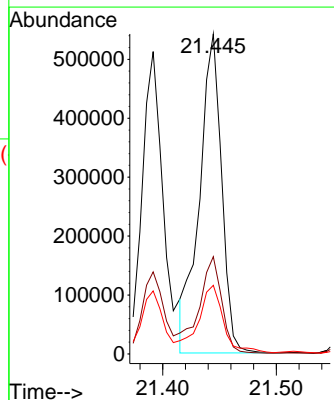
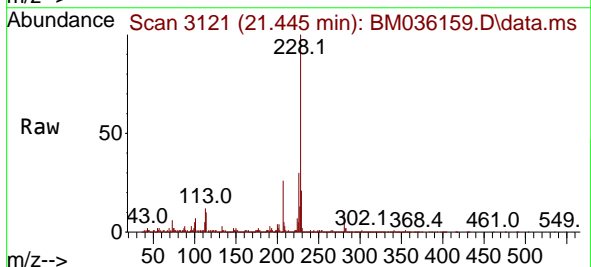
Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.3	33.5
229	20.8	15.8	23.6

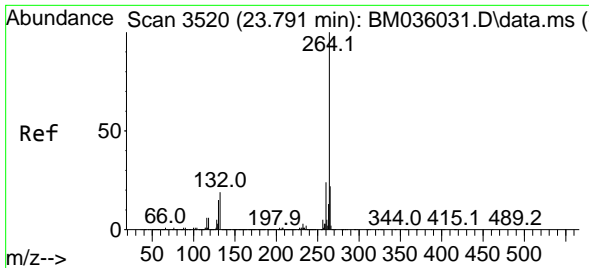


#83
 Chrysene
 Concen: 11.085 ng
 RT: 21.445 min Scan# 3121
 Delta R.T. -0.012 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

Tgt Ion:228 Resp: 734637

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.4	36.6
229	21.5	15.8	23.8



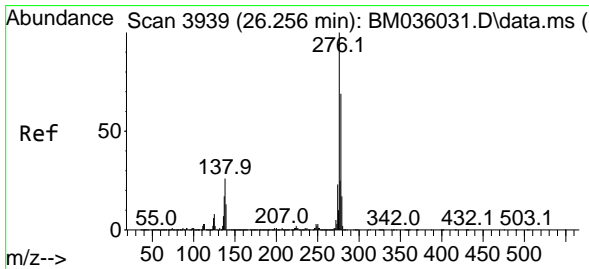
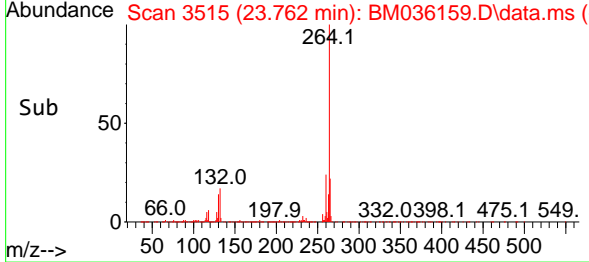
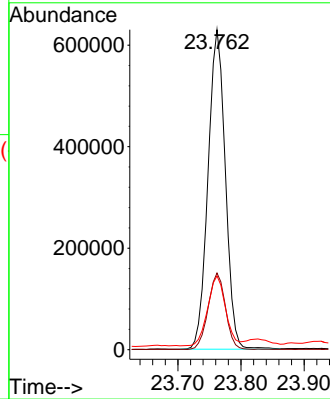
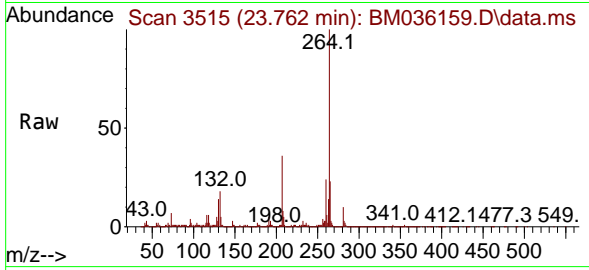


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.762 min Scan# 31
 Delta R.T. -0.012 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

Instrument :
 BNA_M
 ClientSampleId :
 RVE-204

Tgt Ion:264 Resp: 1199699

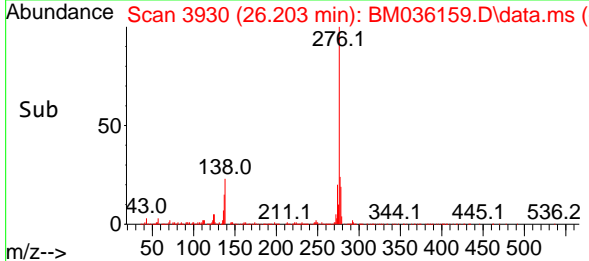
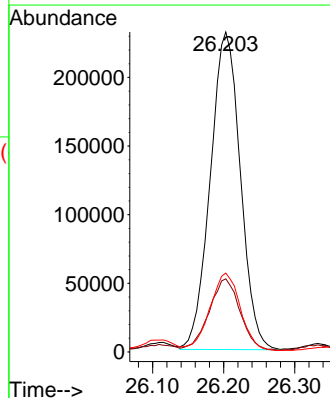
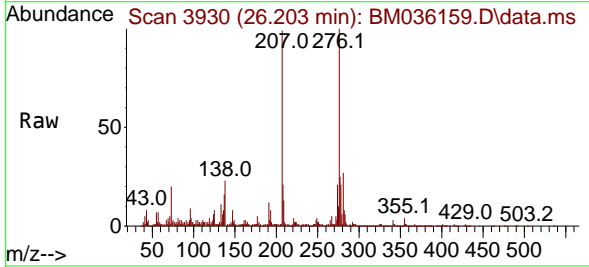
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	23.1	17.5	26.3

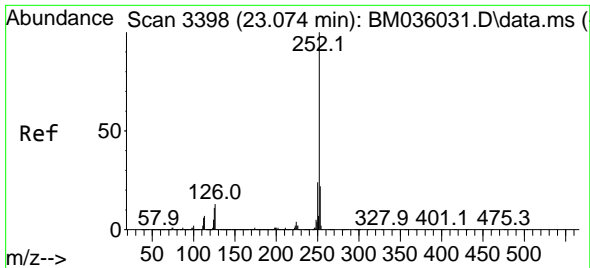


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.068 ng
 RT: 26.203 min Scan# 3930
 Delta R.T. -0.029 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

Tgt Ion:276 Resp: 680221

Ion	Ratio	Lower	Upper
276	100		
138	22.8	20.2	30.4
277	24.6	20.2	30.2



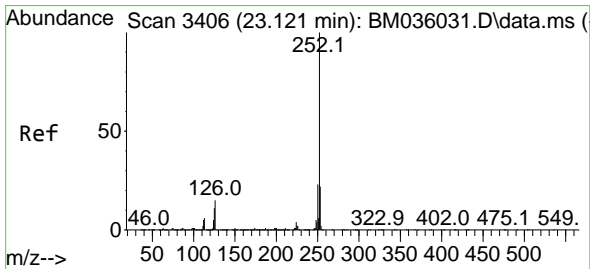
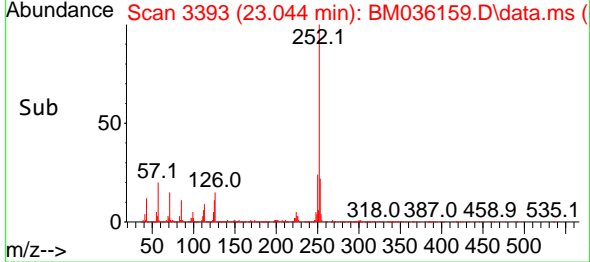
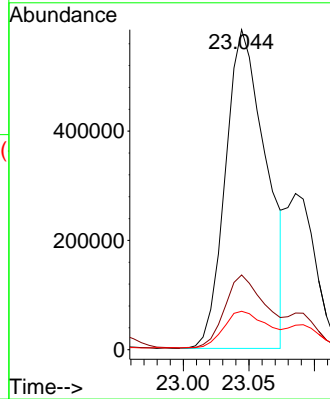
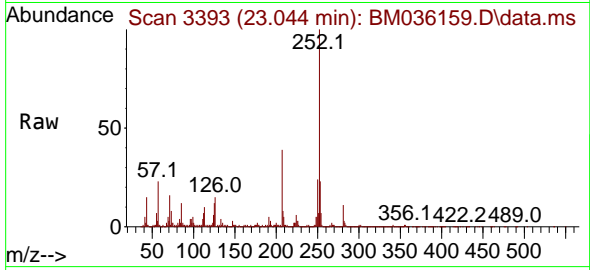


#88
 Benzo(b)fluoranthene
 Concen: 17.935 ng
 RT: 23.044 min Scan# 31
 Delta R.T. -0.018 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

Instrument :
 BNA_M
 ClientSampleId :
 RVE-204

Tgt Ion:252 Resp: 1260654

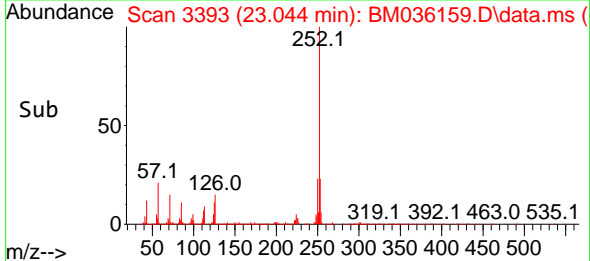
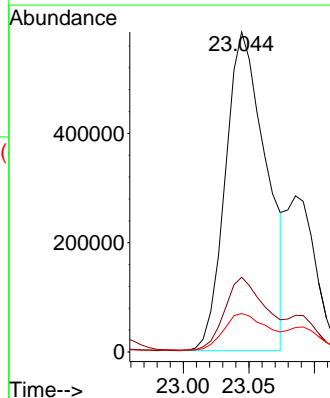
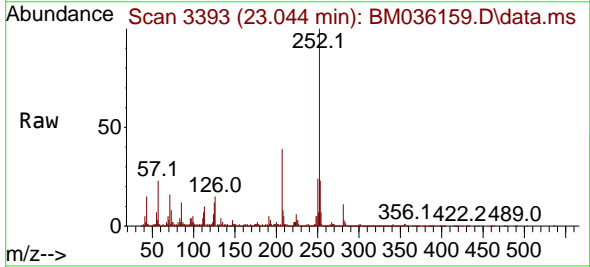
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	12.0	7.6	11.4#

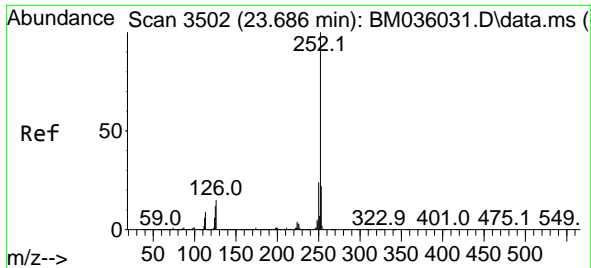


#89
 Benzo(k)fluoranthene
 Concen: 17.758 ng
 RT: 23.044 min Scan# 3393
 Delta R.T. -0.065 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

Tgt Ion:252 Resp: 1260654

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	12.0	7.6	11.4#

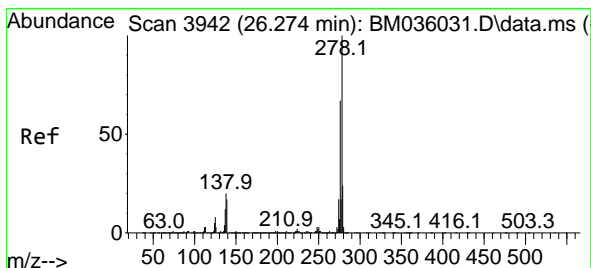
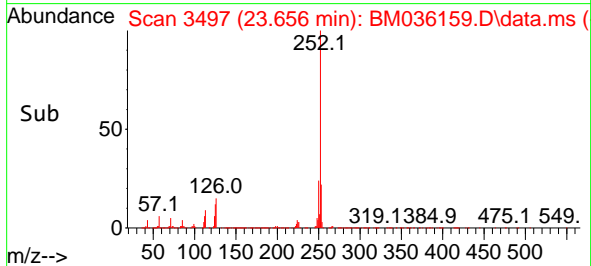
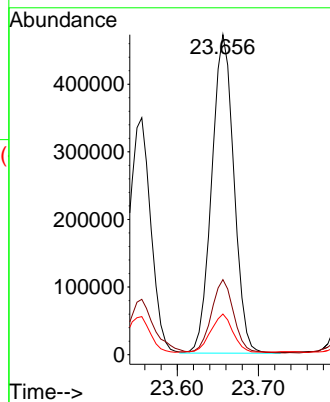
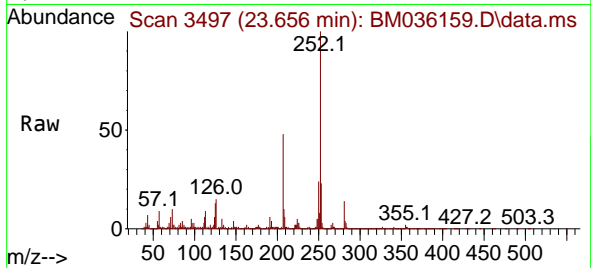




#90
 Benzo(a)pyrene
 Concen: 15.162 ng
 RT: 23.656 min Scan# 34
 Delta R.T. -0.018 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

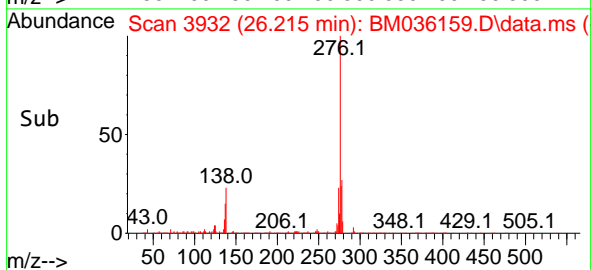
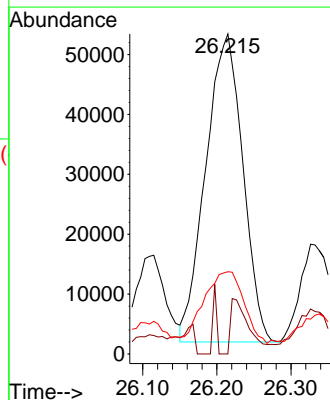
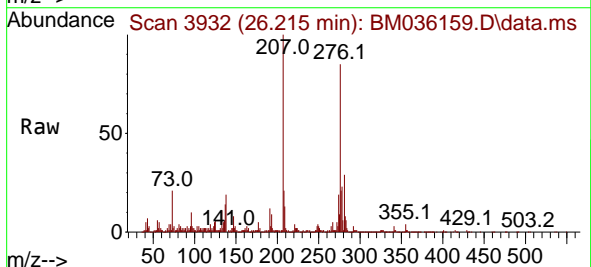
Instrument :
 BNA_M
 ClientSampleId :
 RVE-204

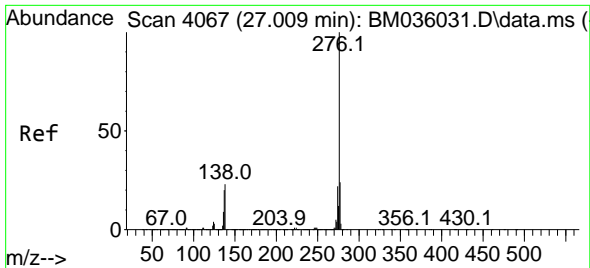
Tgt Ion:252 Resp: 894191
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.2 25.8
 125 12.7 8.7 13.1



#91
 Dibenzo(a,h)anthracene
 Concen: 2.535 ng
 RT: 26.215 min Scan# 3932
 Delta R.T. -0.035 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

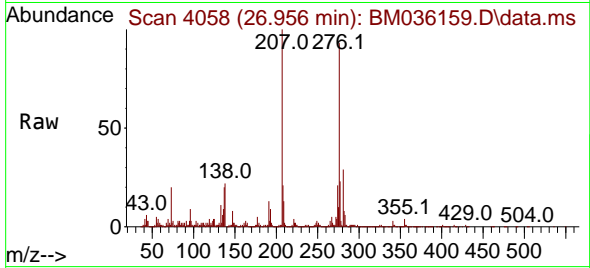
Tgt Ion:278 Resp: 178923
 Ion Ratio Lower Upper
 278 100
 139 0.0 12.9 19.3#
 279 25.7 18.7 28.1





#92
 Benzo(g,h,i)perylene
 Concen: 10.433 ng
 RT: 26.956 min Scan# 40
 Delta R.T. -0.035 min
 Lab File: BM036159.D
 Acq: 09 Aug 2022 00:17

Instrument :
 BNA_M
 ClientSampleId :
 RVE-204



Tgt Ion: 276 Resp: 712794
 Ion Ratio Lower Upper
 276 100
 277 24.3 18.7 28.1
 138 23.8 17.6 26.4

