

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102221\
 Data File : BM032673.D
 Acq On : 22 Oct 2021 13:43
 Operator : CG/JU
 Sample : M4300-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TH-CS

Quant Time: Oct 22 14:44:14 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 22 11:30:44 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

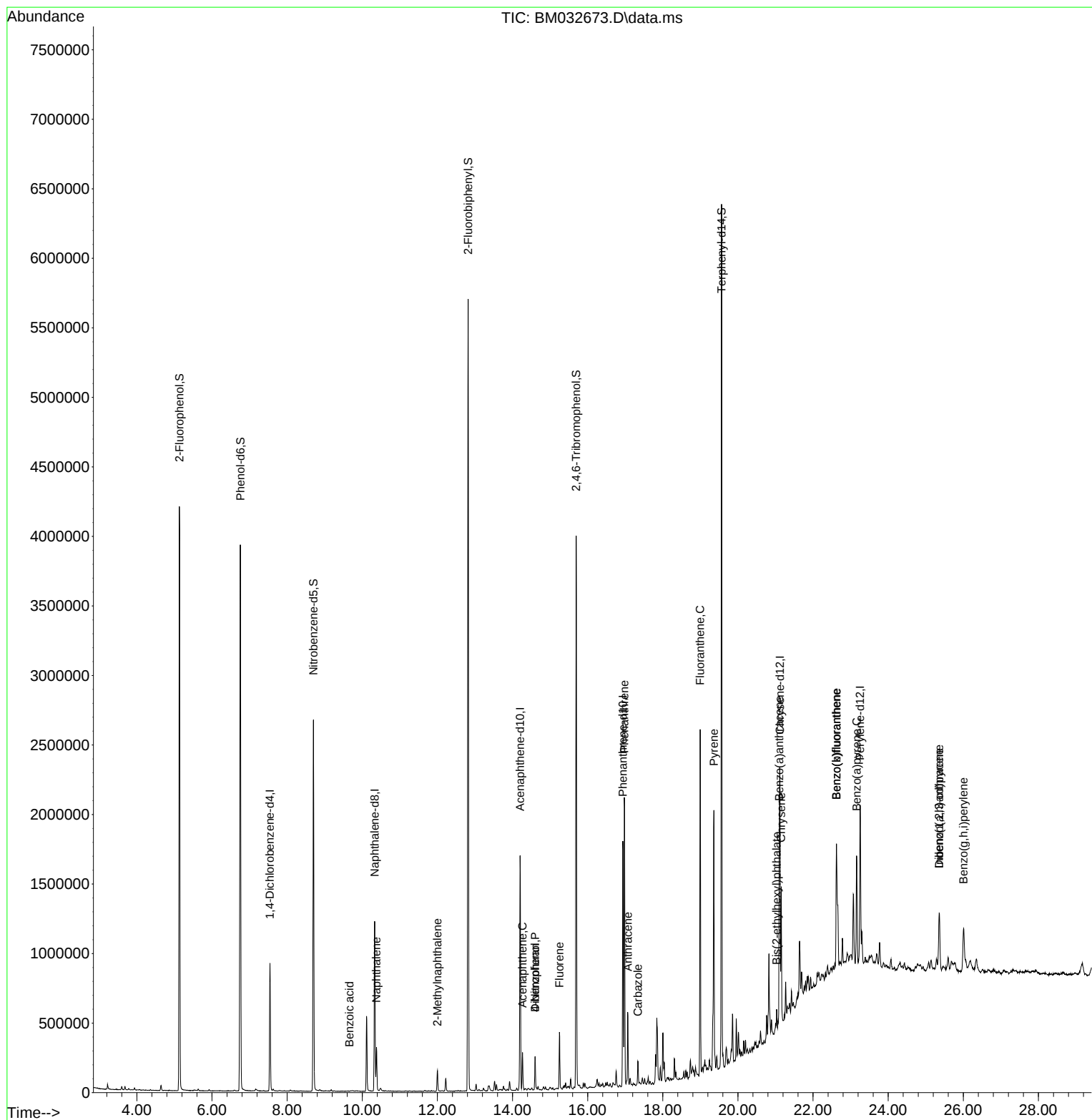
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.543	152	241430	20.000	ng	0.00
21) Naphthalene-d8	10.331	136	970744	20.000	ng	# 0.00
39) Acenaphthene-d10	14.201	164	567346	20.000	ng	0.00
64) Phenanthrene-d10	16.936	188	1019172	20.000	ng	# 0.00
76) Chrysene-d12	21.118	240	694086	20.000	ng	0.00
86) Perylene-d12	23.253	264	717619	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.131	112	1787012	124.713	ng	0.00
7) Phenol-d6	6.754	99	2264907	115.586	ng	0.00
23) Nitrobenzene-d5	8.701	82	1441251	82.575	ng	0.00
42) 2,4,6-Tribromophenol	15.695	330	670306	105.536	ng	0.00
45) 2-Fluorobiphenyl	12.819	172	2902126	76.055	ng	0.00
79) Terphenyl-d14	19.565	244	2790538	84.672	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.378	128	247627	4.971	ng	100
32) Benzoic acid	9.654	122	55	4.826	ng	# 1
37) 2-Methylnaphthalene	12.001	142	72185	2.132	ng	95
52) Acenaphthene	14.266	154	89128	2.710	ng	98
55) Dibenzofuran	14.601	168	143477	2.866	ng	93
56) 4-Nitrophenol	14.601	139	53918	7.170	ng	# 1
58) Fluorene	15.248	166	175600	4.613	ng	98
71) Phenanthrene	16.977	178	1203124	22.491	ng	99
72) Anthracene	17.071	178	297236	5.687	ng	99
73) Carbazole	17.336	167	111737	2.153	ng	97
75) Fluoranthene	18.995	202	1378837	23.245	ng	97
78) Pyrene	19.359	202	1132493	24.062	ng	100
81) Benzo(a)anthracene	21.100	228	547805	12.627	ng	97
83) Chrysene	21.153	228	514300	12.254	ng	98
84) Bis(2-ethylhexyl)phtha...	21.030	149	48757	2.023	ng	# 91
87) Indeno(1,2,3-cd)pyrene	25.359	276	345609	7.815	ng	99
88) Benzo(b)fluoranthene	22.624	252	913985	20.937	ng	# 97
89) Benzo(k)fluoranthene	22.624	252	913985	21.433	ng	# 96
90) Benzo(a)pyrene	23.159	252	501801	14.175	ng	# 96
91) Dibenzo(a,h)anthracene	25.359	278	88123	2.364	ng	# 82
92) Benzo(g,h,i)perylene	26.006	276	338405	9.182	ng	# 94

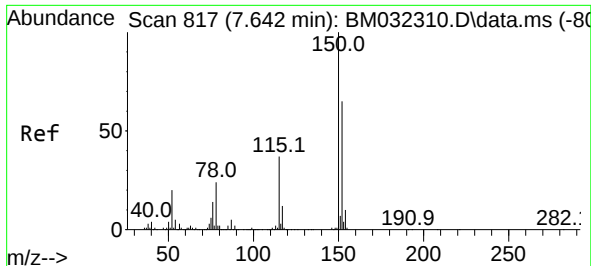
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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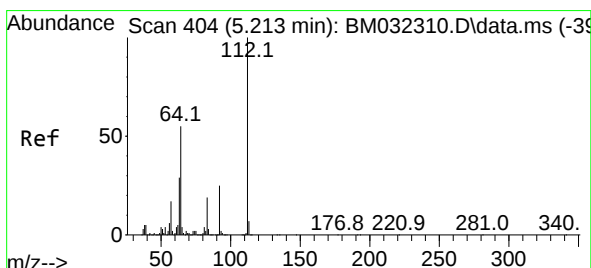
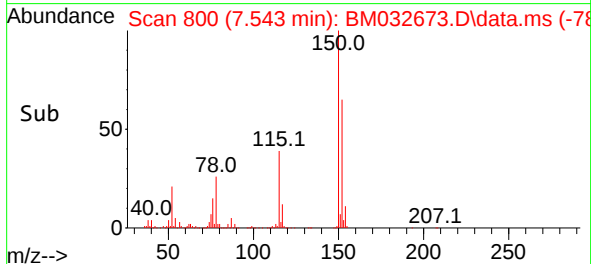
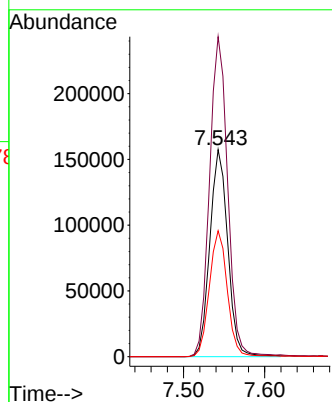
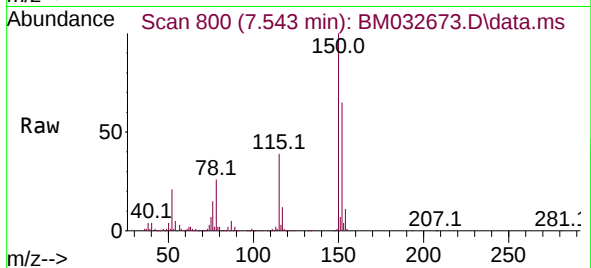




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.543 min Scan# 800
Delta R.T. 0.001 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

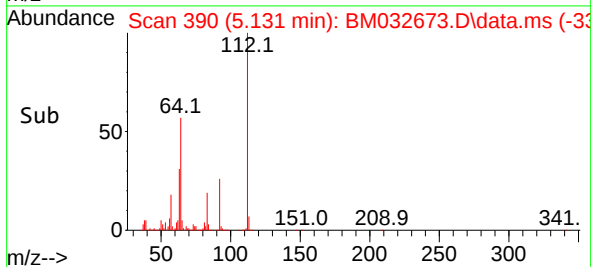
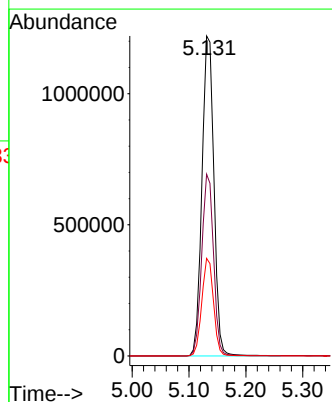
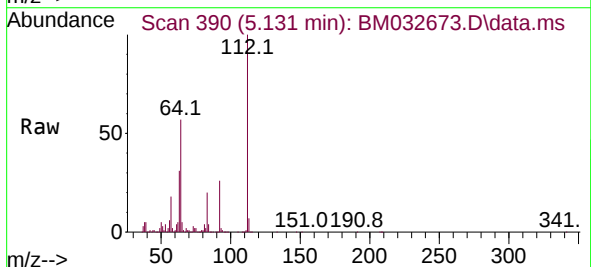
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BNA_M
ClientSampleId :
TH-CS

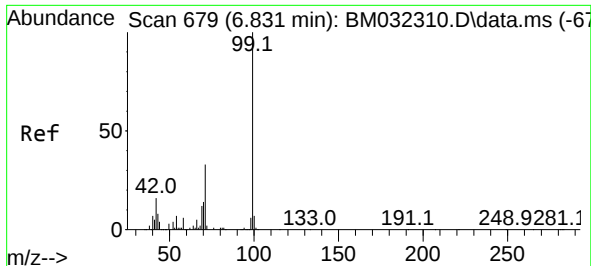
Tgt Ion:152 Resp: 241430
Ion Ratio Lower Upper
152 100
150 154.6 122.4 183.6
115 60.8 53.8 80.8



#5
2-Fluorophenol
Concen: 124.713 ng
RT: 5.131 min Scan# 390
Delta R.T. 0.006 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

Tgt Ion:112 Resp: 1787012
Ion Ratio Lower Upper
112 100
64 56.8 53.7 80.5
63 30.5 33.9 50.9#

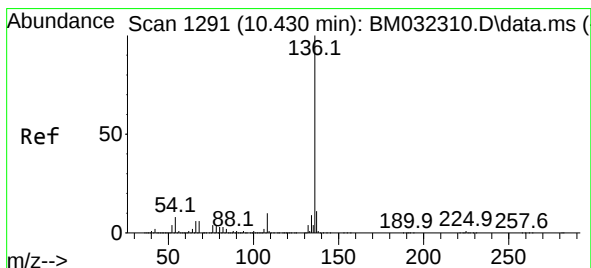
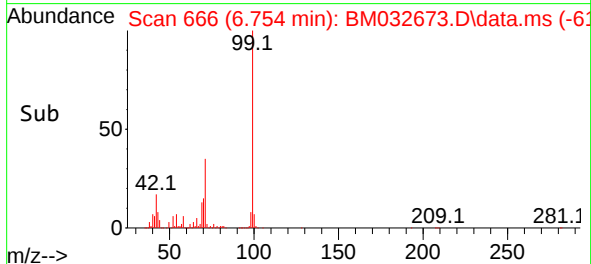
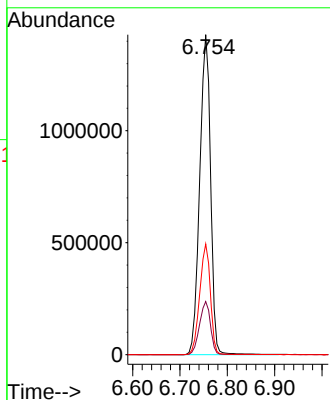
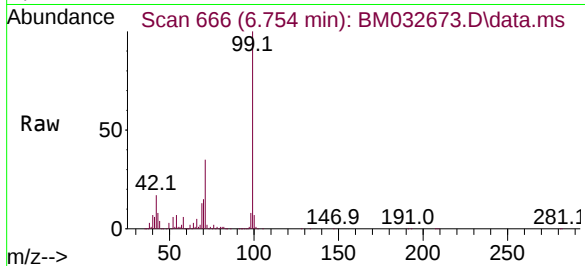




#7
Phenol-d6
Concen: 115.586 ng
RT: 6.754 min Scan# 666
Delta R.T. 0.006 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

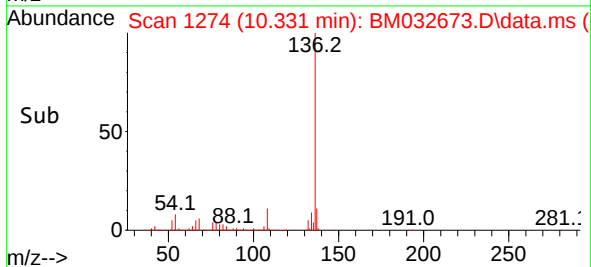
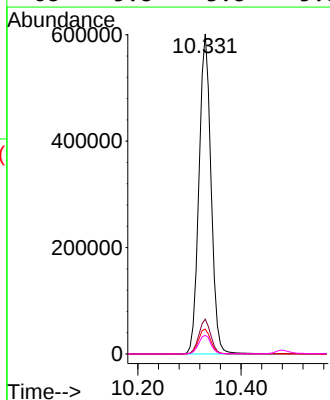
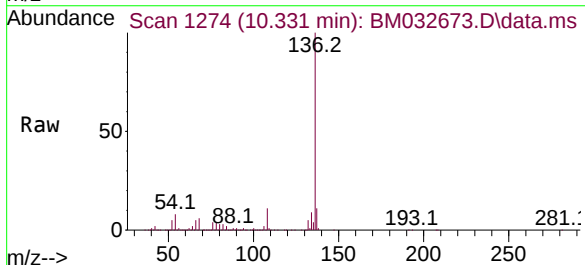
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ClientSampleId :
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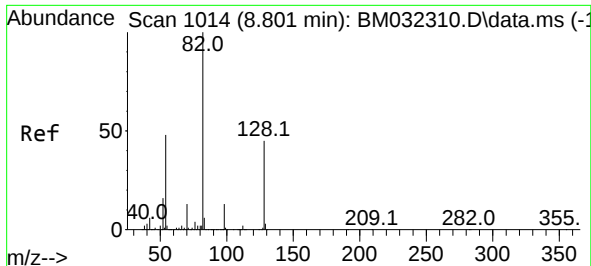
Tgt Ion: 99 Resp: 2264907
Ion Ratio Lower Upper
99 100
42 16.6 23.0 34.6#
71 34.6 37.8 56.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.331 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

Tgt Ion: 136 Resp: 970744
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.8 7.4 11.0
68 5.8 3.8 5.8#

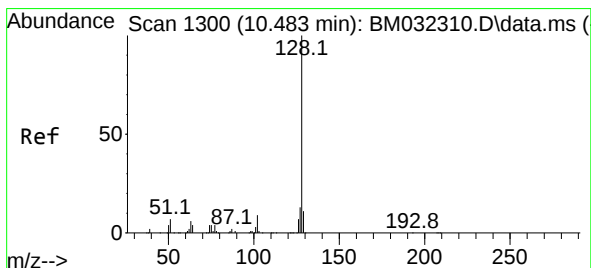
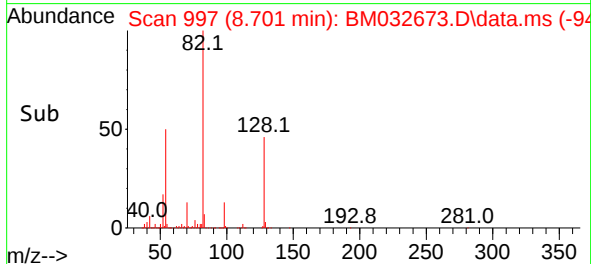
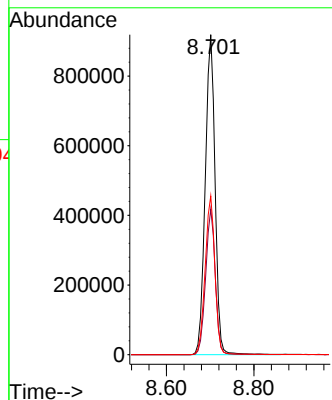
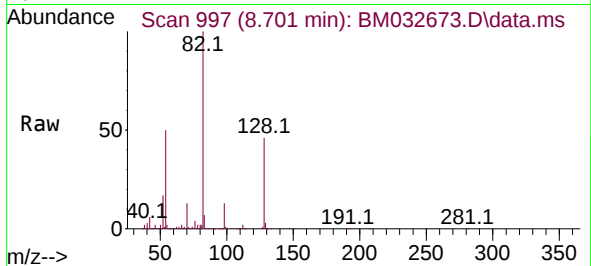




#23
Nitrobenzene-d5
Concen: 82.575 ng
RT: 8.701 min Scan# 997
Delta R.T. 0.000 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

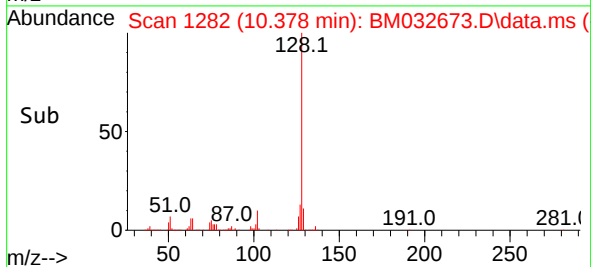
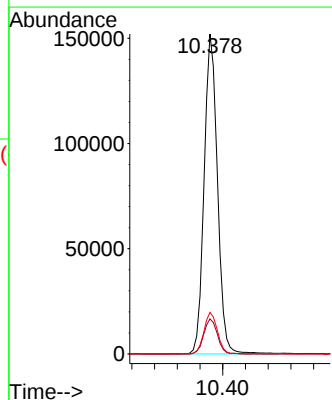
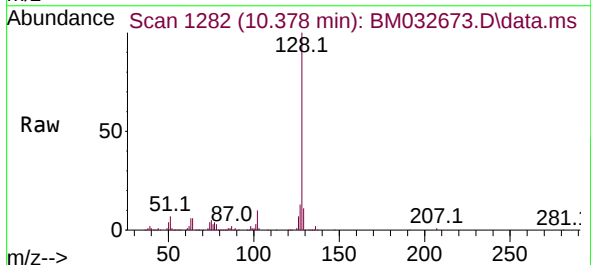
Instrument :
BNA_M
ClientSampleId :
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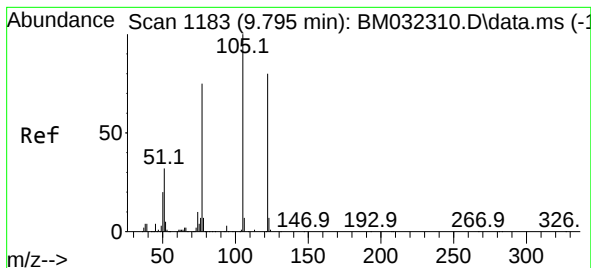
Tgt Ion: 82 Resp: 1441251
Ion Ratio Lower Upper
82 100
128 45.5 29.0 43.6#
54 49.6 45.8 68.8



#31
Naphthalene
Concen: 4.971 ng
RT: 10.378 min Scan# 1282
Delta R.T. 0.000 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

Tgt Ion:128 Resp: 247627
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.0 10.4 15.6

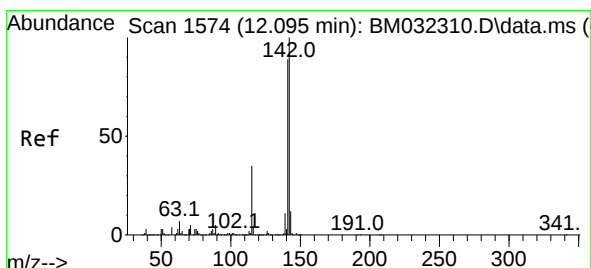
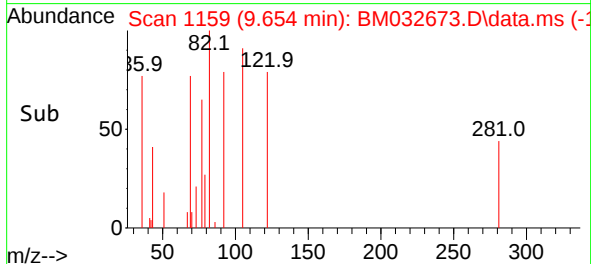
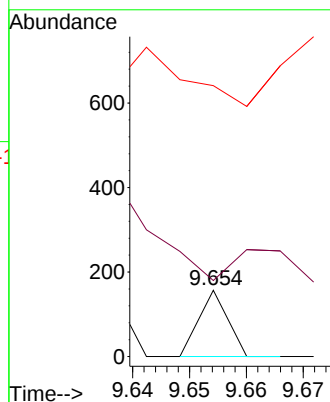
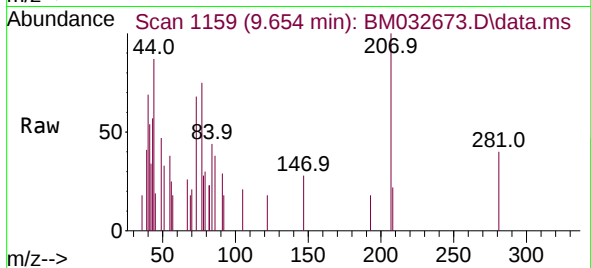




#32
Benzoic acid
Concen: 4.826 ng
RT: 9.654 min Scan# 1159
Delta R.T. -0.059 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

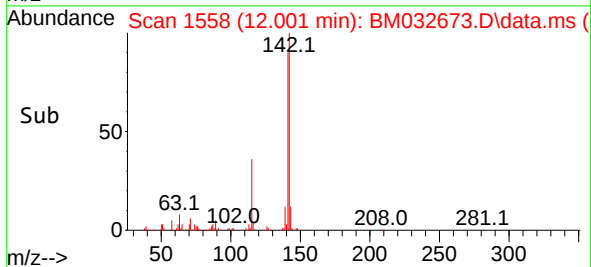
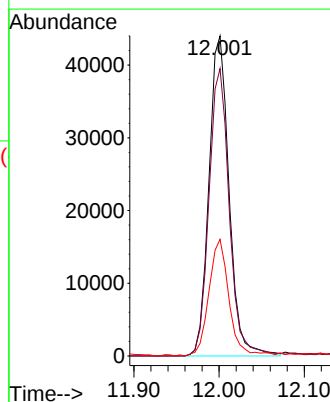
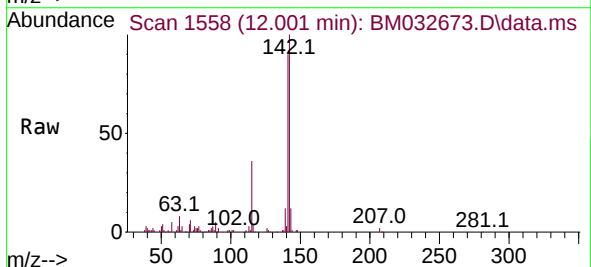
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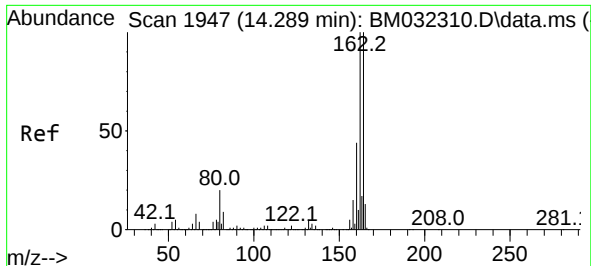
Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 114.6 120.3 160.3#
77 408.3 100.0 140.0#



#37
2-Methylnaphthalene
Concen: 2.132 ng
RT: 12.001 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

Tgt Ion:142 Resp: 72185
Ion Ratio Lower Upper
142 100
141 89.8 71.8 107.6
115 36.5 36.3 54.5

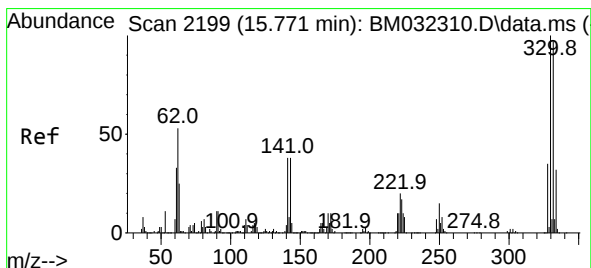
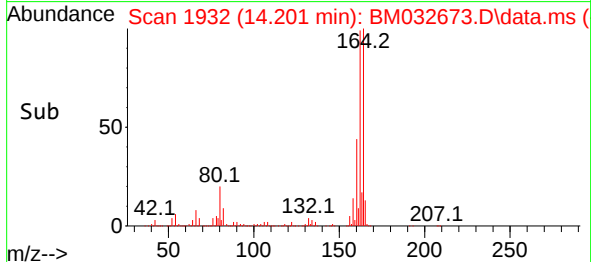
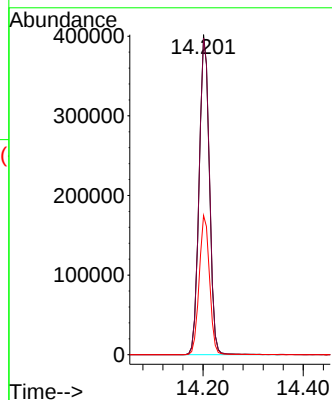
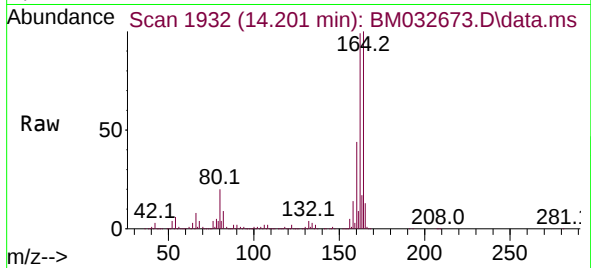




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.201 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

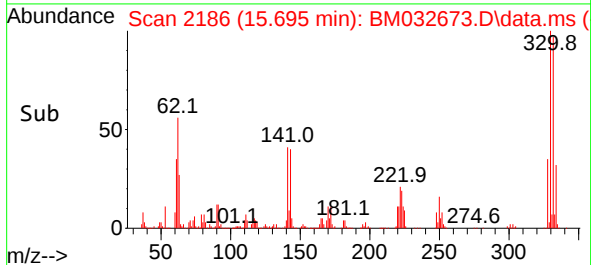
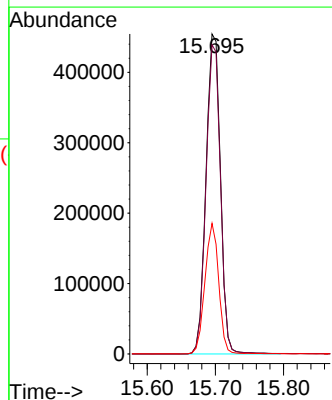
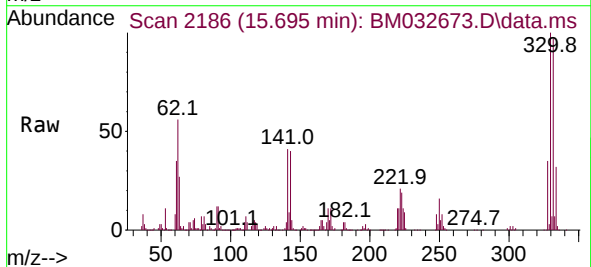
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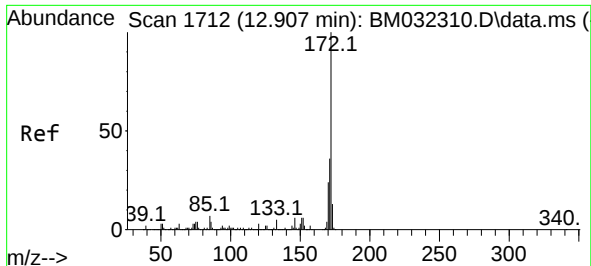
Tgt Ion:164 Resp: 567346
Ion Ratio Lower Upper
164 100
162 98.9 80.6 121.0
160 43.5 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 105.536 ng
RT: 15.695 min Scan# 2186
Delta R.T. 0.000 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

Tgt Ion:330 Resp: 670306
Ion Ratio Lower Upper
330 100
332 96.9 75.7 113.5
141 39.3 50.7 76.1#

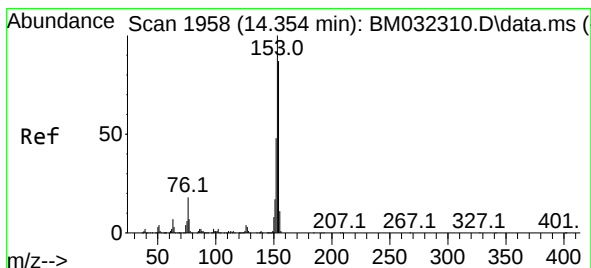
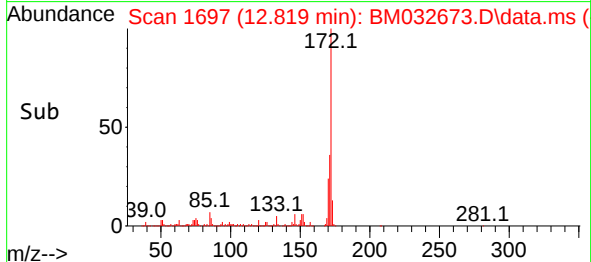
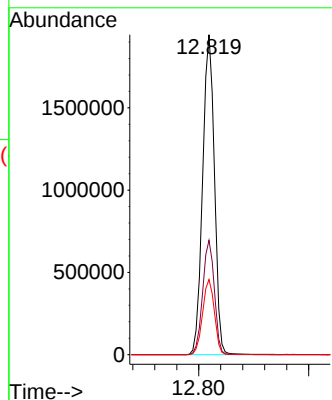
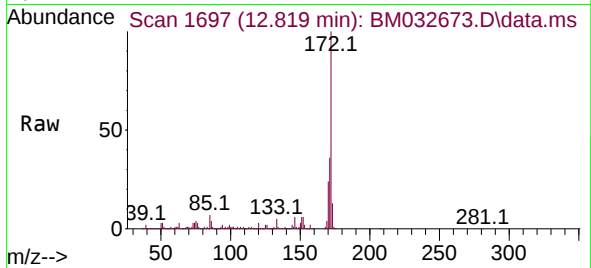




#45
2-Fluorobiphenyl
Concen: 76.055 ng
RT: 12.819 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

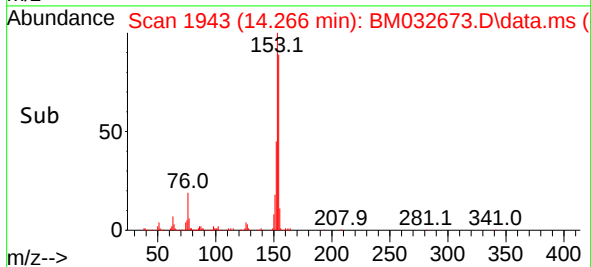
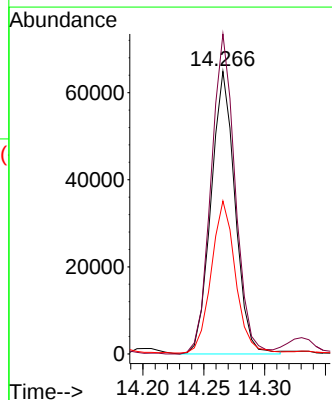
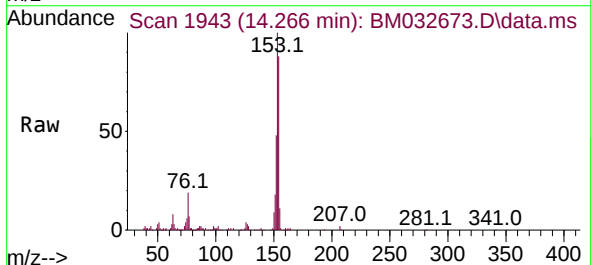
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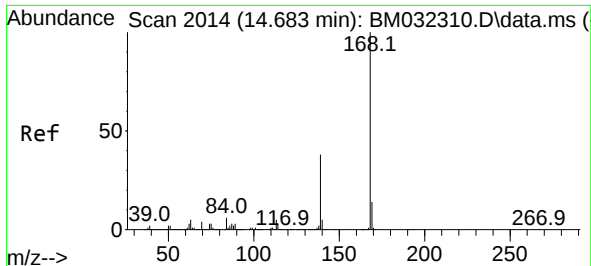
Tgt Ion:172 Resp: 2902126
Ion Ratio Lower Upper
172 100
171 35.7 28.1 42.1
170 23.5 18.6 27.8



#52
Acenaphthene
Concen: 2.710 ng
RT: 14.266 min Scan# 1943
Delta R.T. 0.000 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

Tgt Ion:154 Resp: 89128
Ion Ratio Lower Upper
154 100
153 113.2 92.4 138.6
152 54.1 43.7 65.5

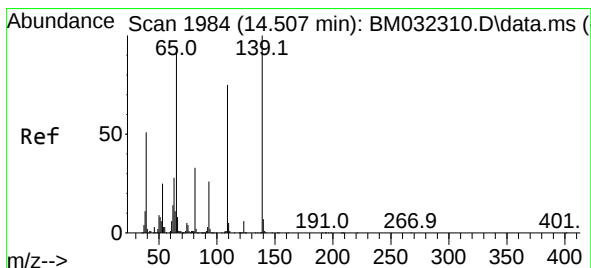
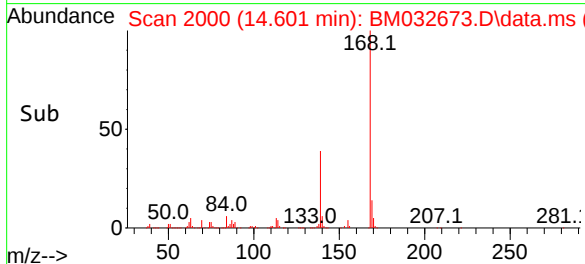
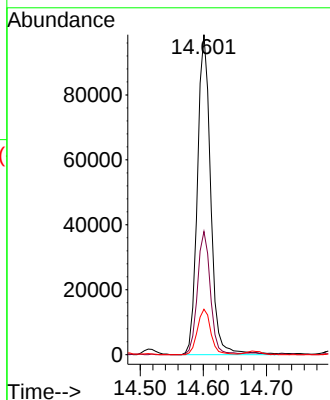
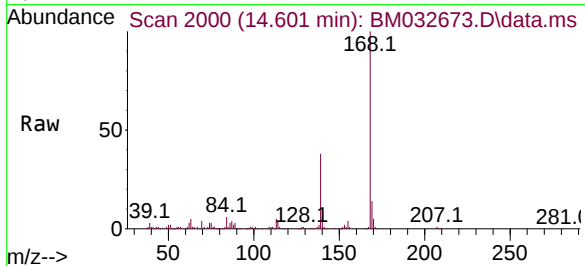




#55
Dibenzenofuran
Concen: 2.866 ng
RT: 14.601 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

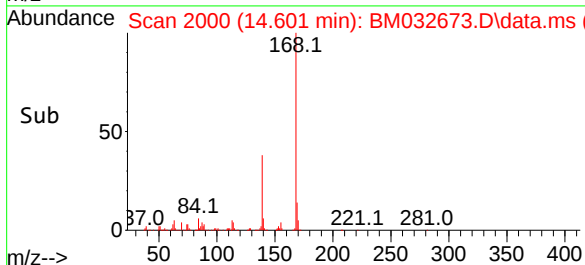
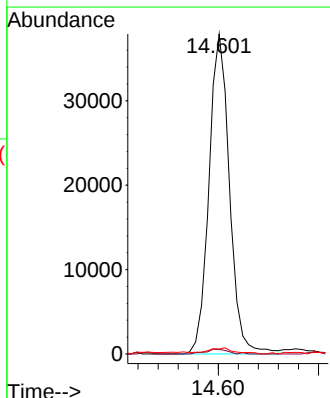
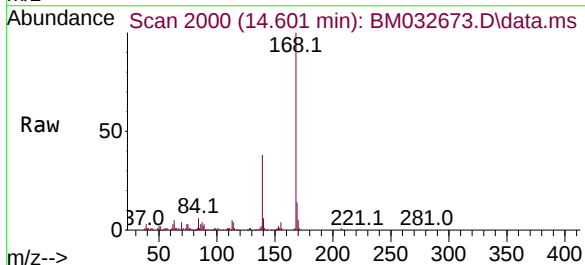
Instrument :
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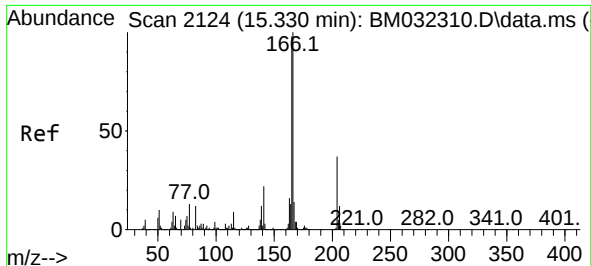
Tgt Ion:168 Resp: 143477
Ion Ratio Lower Upper
168 100
139 38.5 35.0 52.4
169 14.2 10.8 16.2



#56
4-Nitrophenol
Concen: 7.170 ng
RT: 14.601 min Scan# 2000
Delta R.T. 0.159 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

Tgt Ion:139 Resp: 53918
Ion Ratio Lower Upper
139 100
109 1.4 92.3 132.3#
65 1.5 110.5 150.5#

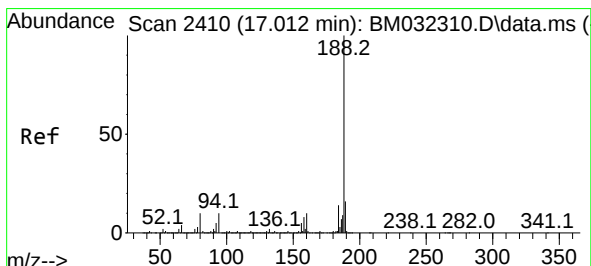
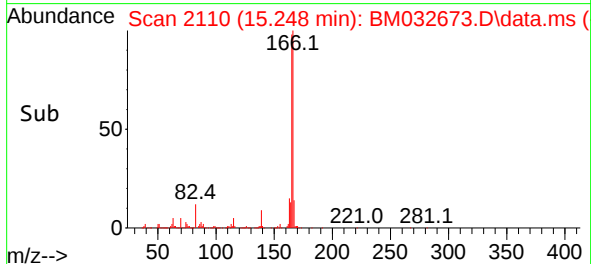
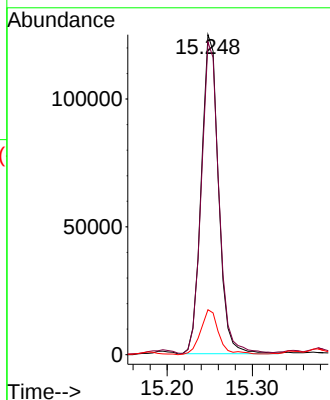
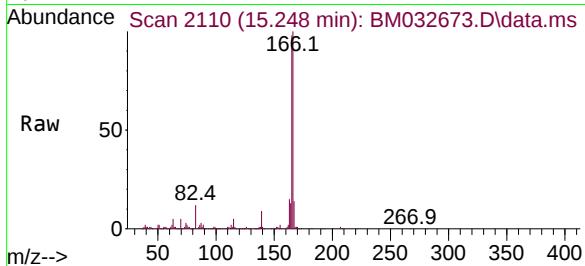




#58
Fluorene
Concen: 4.613 ng
RT: 15.248 min Scan# 2110
Delta R.T. -0.006 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

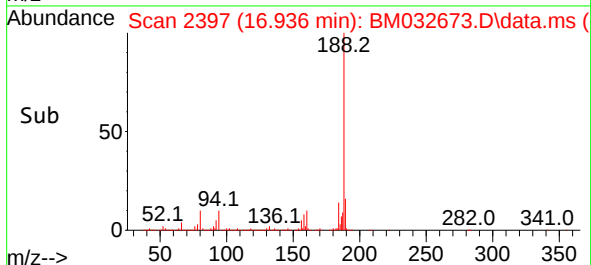
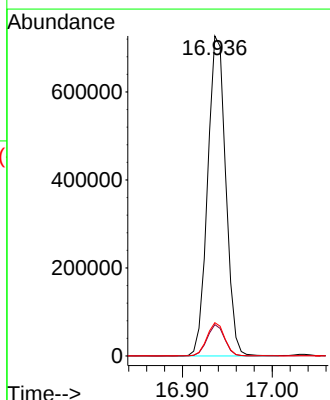
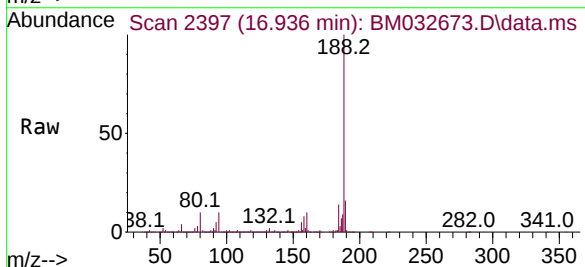
Instrument :
BNA_M
ClientSampleId :
TH-CS

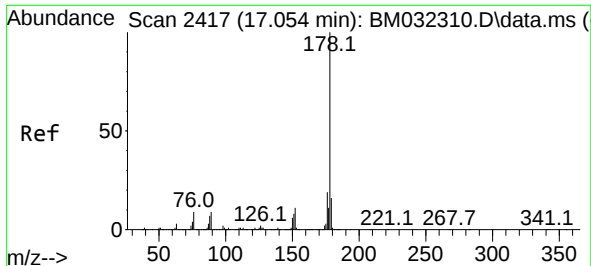
Tgt Ion:166 Resp: 175600
Ion Ratio Lower Upper
166 100
165 97.7 79.3 118.9
167 14.1 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.936 min Scan# 2397
Delta R.T. 0.000 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

Tgt Ion:188 Resp: 1019172
Ion Ratio Lower Upper
188 100
94 9.8 6.3 9.5#
80 10.4 7.3 10.9

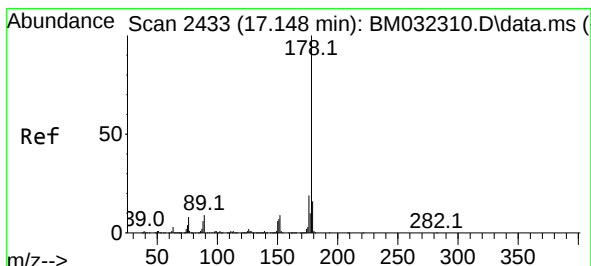
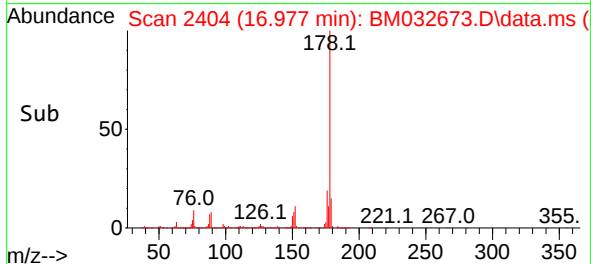
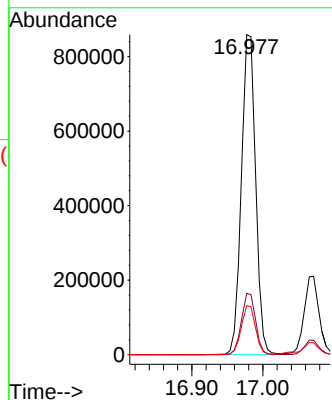
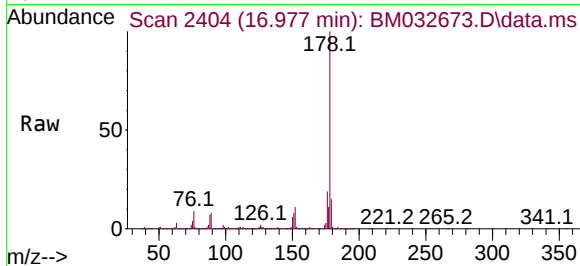




#71
Phenanthrene
Concen: 22.491 ng
RT: 16.977 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

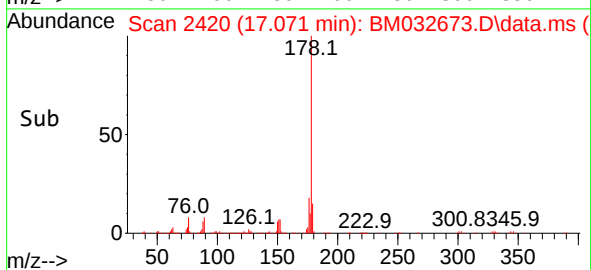
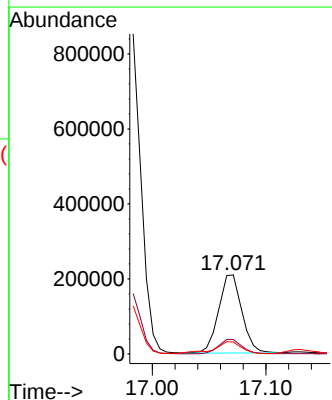
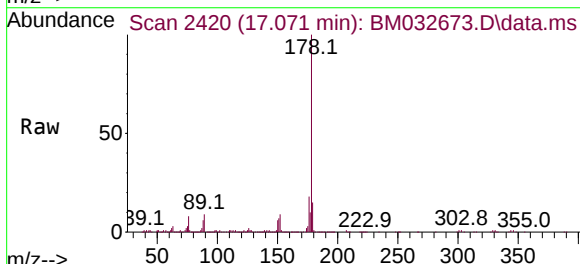
Instrument :
BNA_M
ClientSampled :
TH-CS

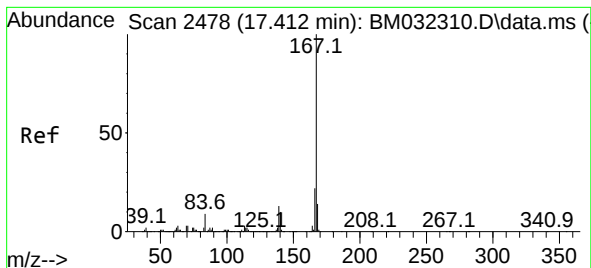
Tgt Ion:178 Resp: 1203124
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.4 12.4 18.6



#72
Anthracene
Concen: 5.687 ng
RT: 17.071 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

Tgt Ion:178 Resp: 297236
Ion Ratio Lower Upper
178 100
176 18.3 14.8 22.2
179 15.1 12.3 18.5





#73

Carbazole

Concen: 2.153 ng

RT: 17.336 min Scan# 2465

Delta R.T. -0.006 min

Lab File: BM032673.D

Acq: 22 Oct 2021 13:43

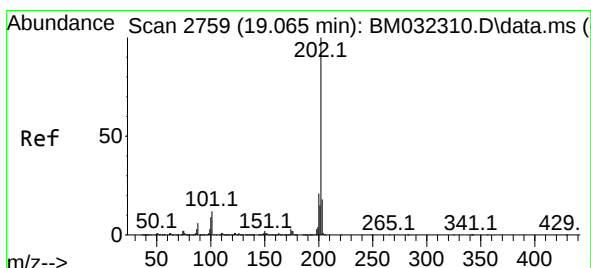
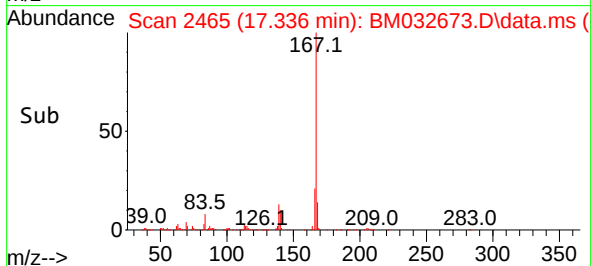
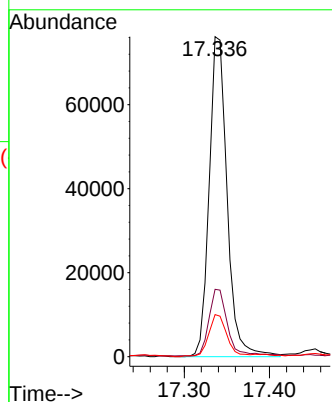
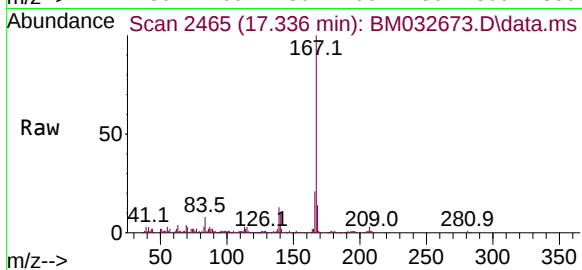
Tgt Ion:167 Resp: 111737

Ion Ratio Lower Upper

167 100

166 21.1 17.4 26.0

139 13.2 11.9 17.9



#75

Fluoranthene

Concen: 23.245 ng

RT: 18.995 min Scan# 2747

Delta R.T. 0.000 min

Lab File: BM032673.D

Acq: 22 Oct 2021 13:43

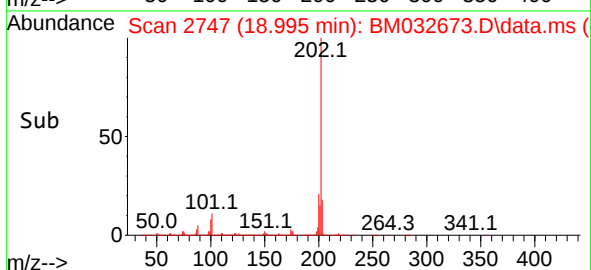
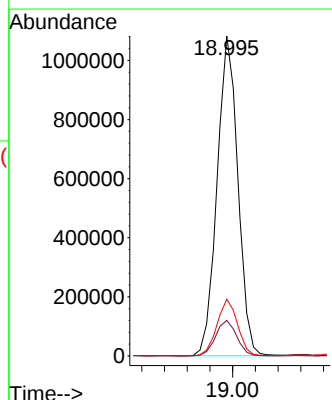
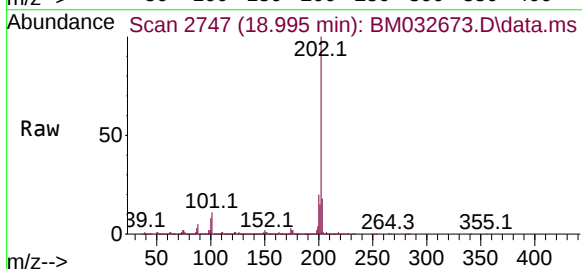
Tgt Ion:202 Resp: 1378837

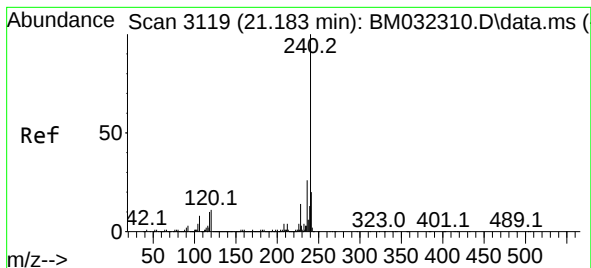
Ion Ratio Lower Upper

202 100

101 11.1 0.0 29.9

203 17.8 0.0 36.8

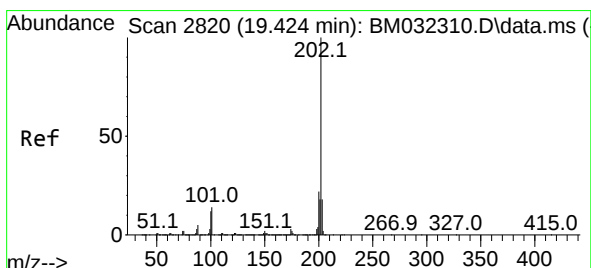
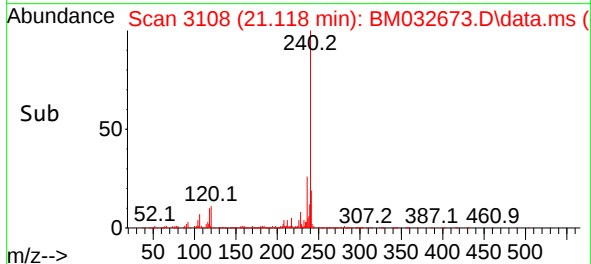
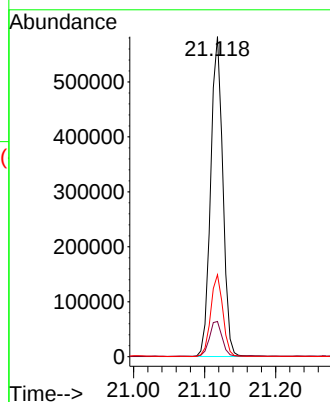
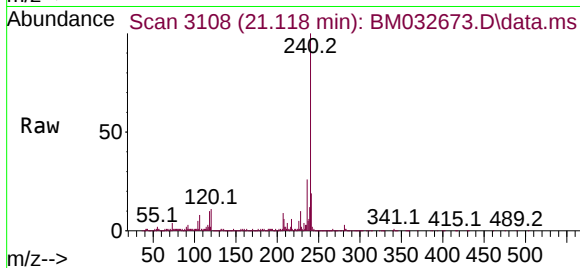




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.118 min Scan# 3108
Delta R.T. 0.000 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

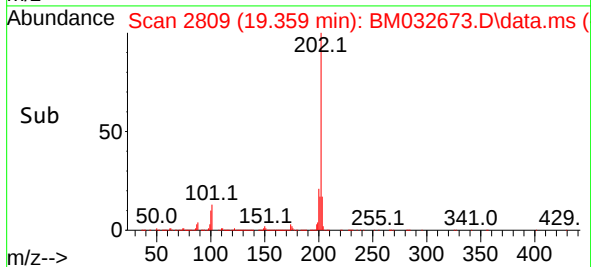
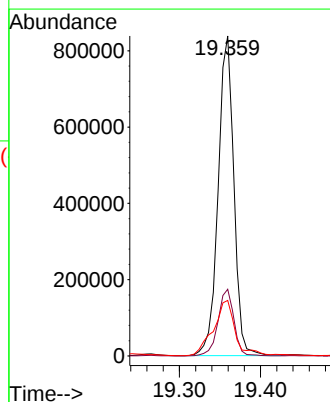
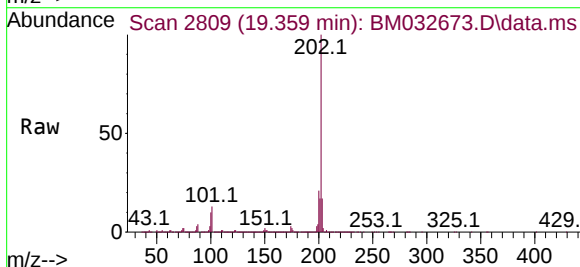
Instrument :
BNA_M
ClientSampleId :
TH-CS

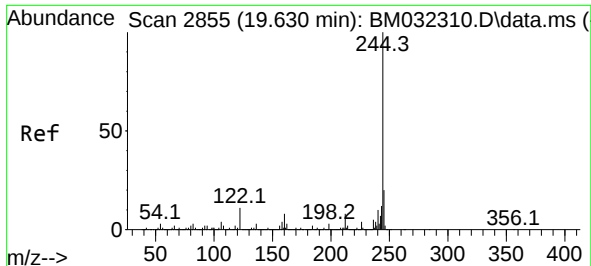
Tgt Ion:240 Resp: 694086
Ion Ratio Lower Upper
240 100
120 11.0 7.8 11.6
236 25.6 20.9 31.3



#78
Pyrene
Concen: 24.062 ng
RT: 19.359 min Scan# 2809
Delta R.T. 0.000 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

Tgt Ion:202 Resp: 1132493
Ion Ratio Lower Upper
202 100
200 20.9 16.6 25.0
203 17.3 13.7 20.5

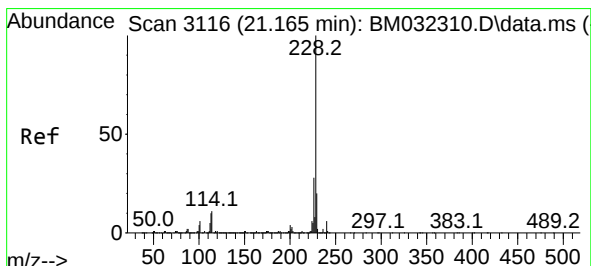
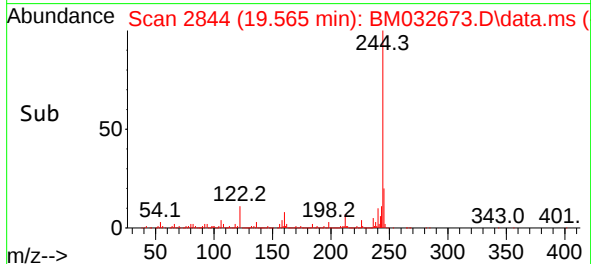
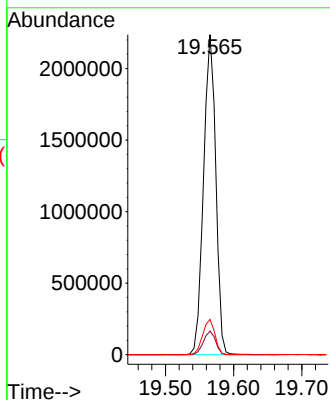
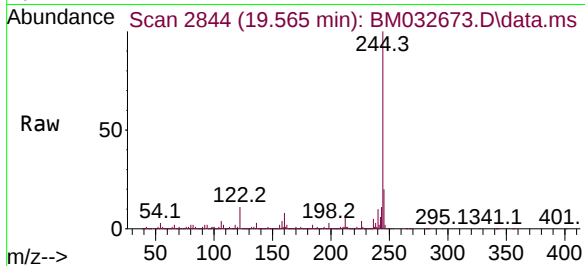




#79
 Terphenyl-d14
 Concen: 84.672 ng
 RT: 19.565 min Scan# 2844
 Delta R.T. 0.000 min
 Lab File: BM032673.D
 Acq: 22 Oct 2021 13:43

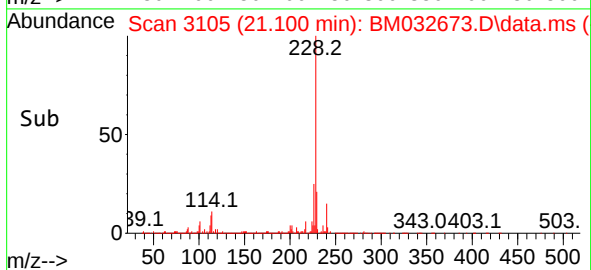
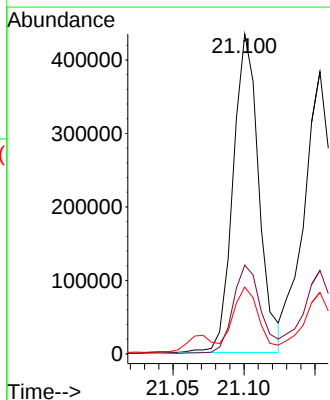
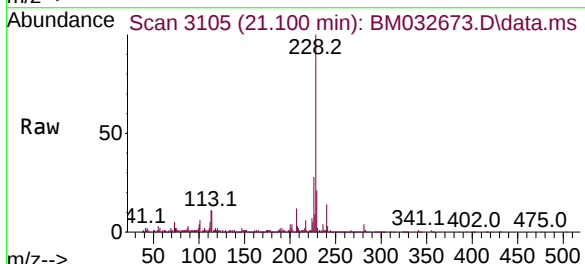
Instrument :
 BNA_M
 ClientSampleId :
 TH-CS

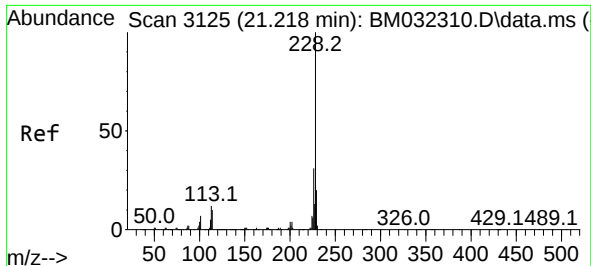
Tgt Ion:244 Resp: 2790538
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 11.0 8.7 13.1



#81
 Benzo(a)anthracene
 Concen: 12.627 ng
 RT: 21.100 min Scan# 3105
 Delta R.T. 0.000 min
 Lab File: BM032673.D
 Acq: 22 Oct 2021 13:43

Tgt Ion:228 Resp: 547805
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.4 32.2
 229 20.9 15.3 22.9

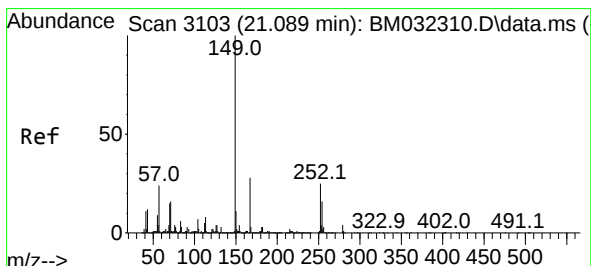
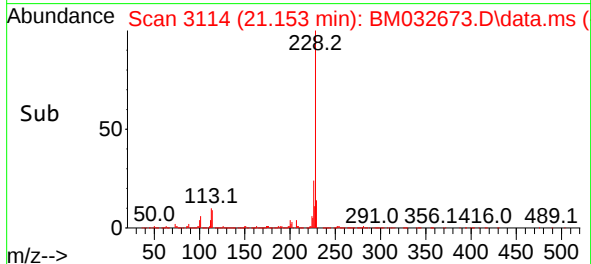
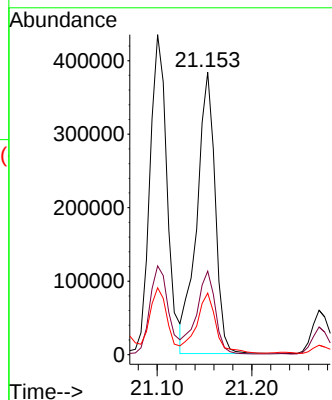
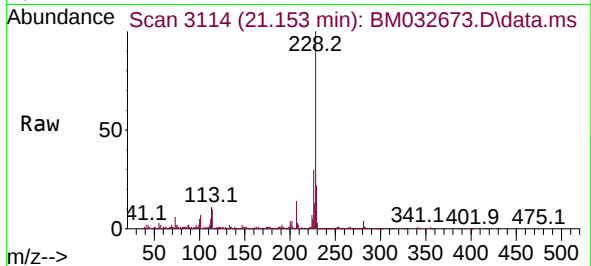




#83
Chrysene
Concen: 12.254 ng
RT: 21.153 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

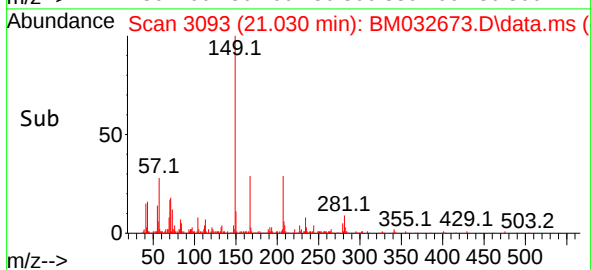
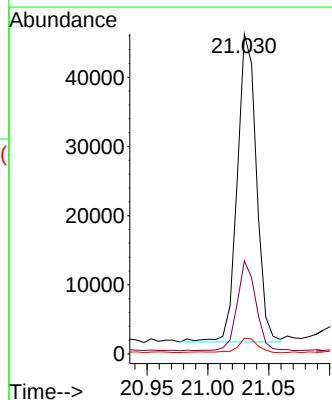
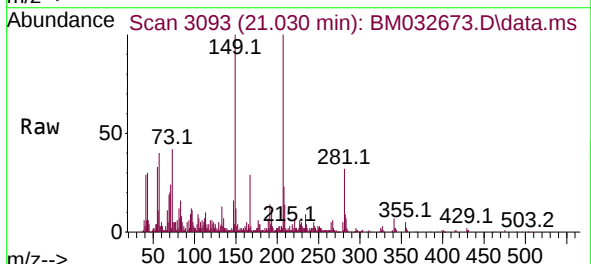
Instrument :
BNA_M
ClientSampleId :
TH-CS

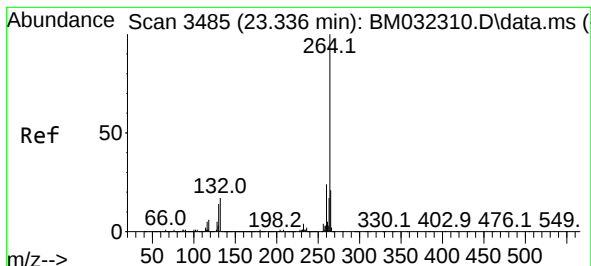
Tgt Ion:228 Resp: 514300
Ion Ratio Lower Upper
228 100
226 29.6 24.0 36.0
229 21.8 16.0 24.0



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.023 ng
RT: 21.030 min Scan# 3093
Delta R.T. 0.000 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

Tgt Ion:149 Resp: 48757
Ion Ratio Lower Upper
149 100
167 29.1 19.7 29.5
279 4.9 2.6 4.0#

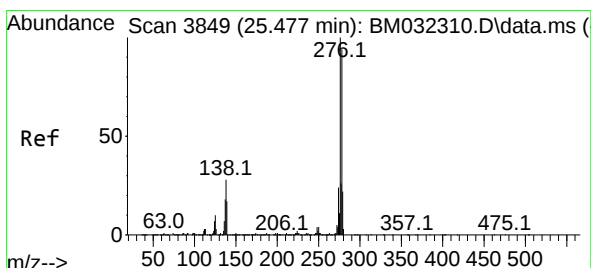
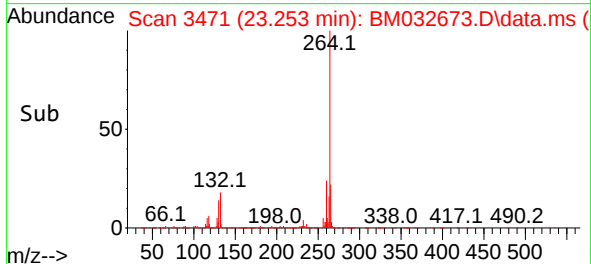
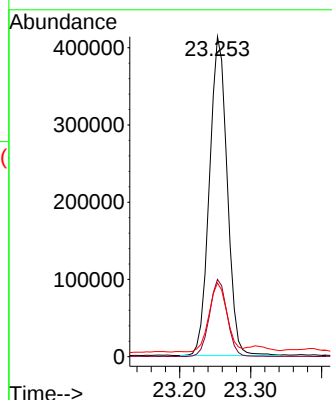
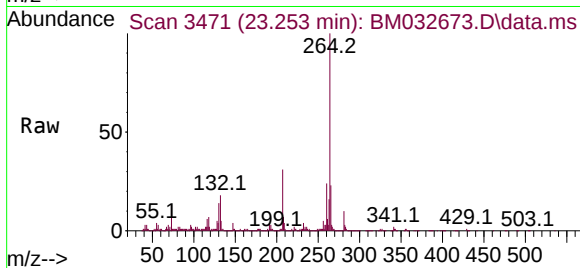




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.253 min Scan# 3471
Delta R.T. 0.000 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

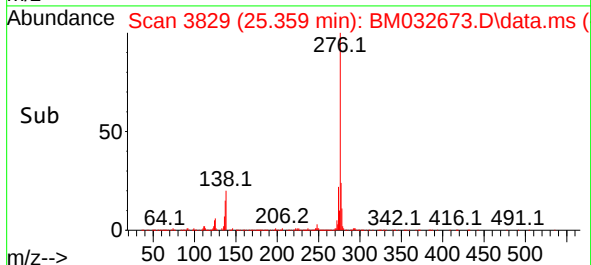
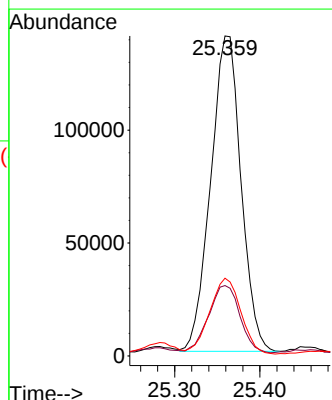
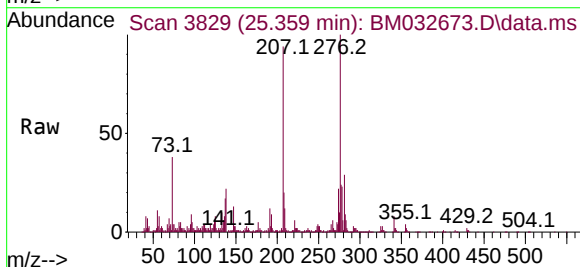
Instrument :
BNA_M
ClientSampled :
TH-CS

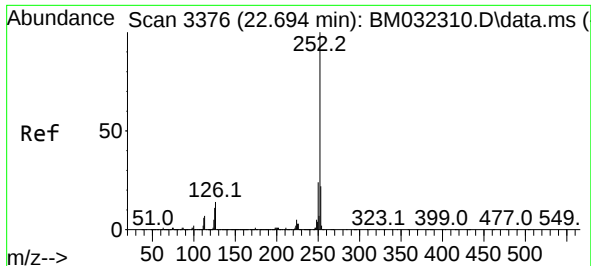
Tgt Ion:264 Resp: 717619
Ion Ratio Lower Upper
264 100
260 24.2 19.3 28.9
265 23.1 18.3 27.5



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.815 ng
RT: 25.359 min Scan# 3829
Delta R.T. -0.006 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

Tgt Ion:276 Resp: 345609
Ion Ratio Lower Upper
276 100
138 22.1 18.4 27.6
277 24.6 20.1 30.1

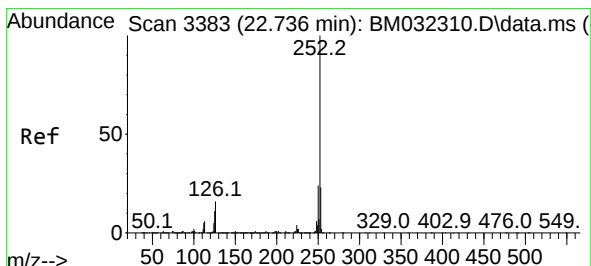
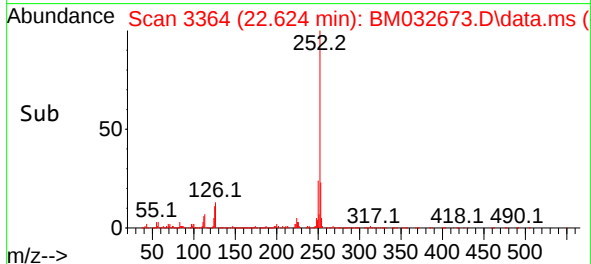
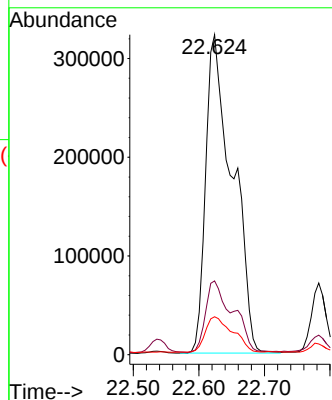
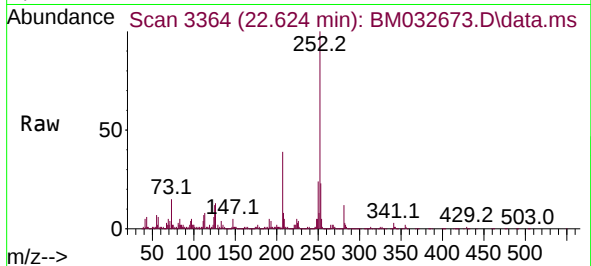




#88
Benzo(b)fluoranthene
Concen: 20.937 ng
RT: 22.624 min Scan# 3364
Delta R.T. 0.006 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

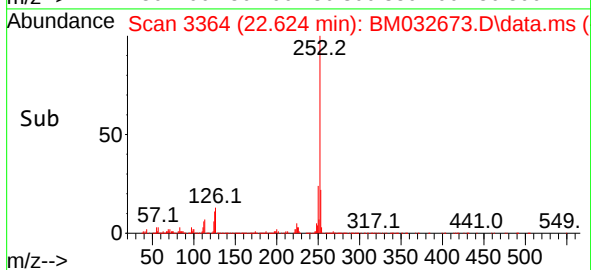
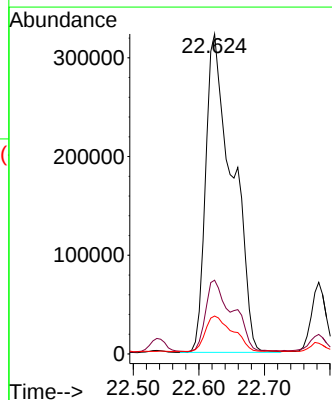
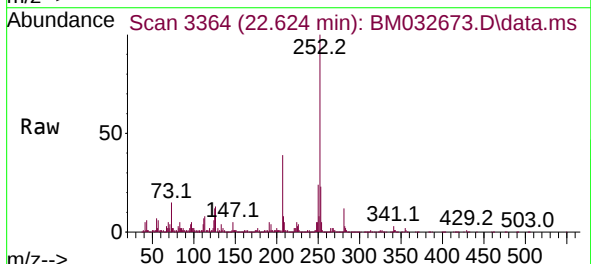
Instrument :
BNA_M
ClientSampled :
TH-CS

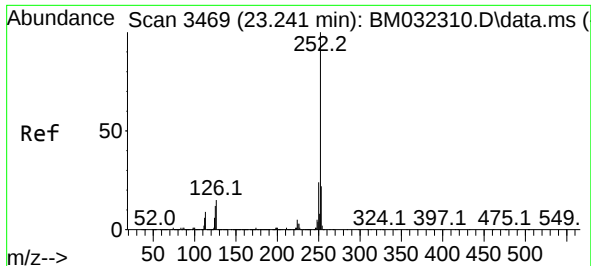
Tgt Ion:252 Resp: 913985
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 11.8 7.5 11.3#



#89
Benzo(k)fluoranthene
Concen: 21.433 ng
RT: 22.624 min Scan# 3364
Delta R.T. -0.035 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

Tgt Ion:252 Resp: 913985
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 11.8 7.5 11.3#

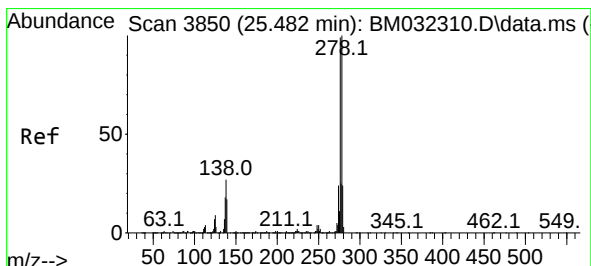
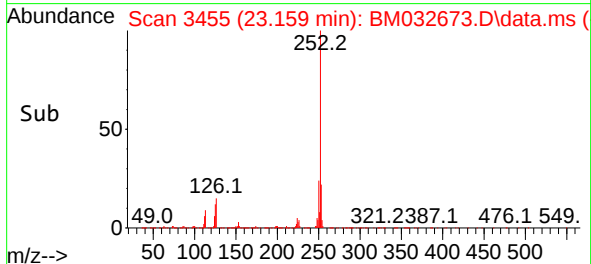
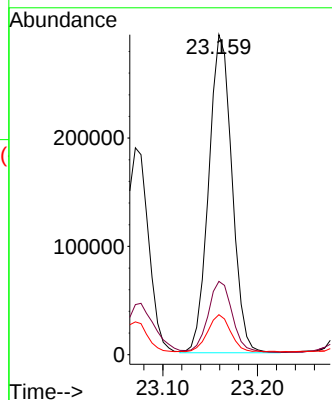
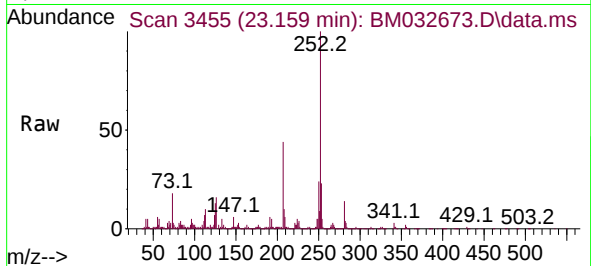




#90
Benzo(a)pyrene
Concen: 14.175 ng
RT: 23.159 min Scan# 3455
Delta R.T. 0.000 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

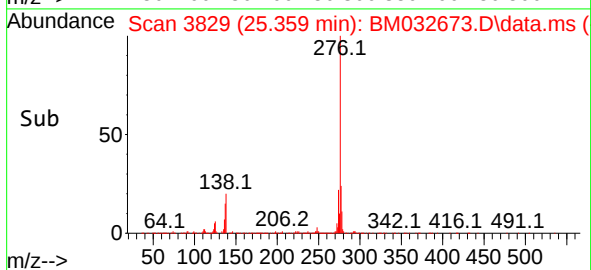
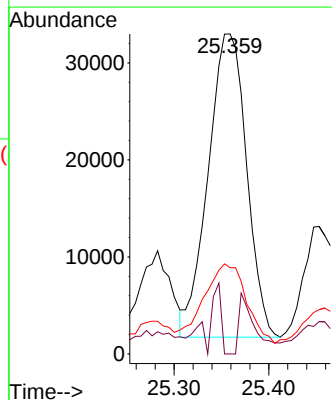
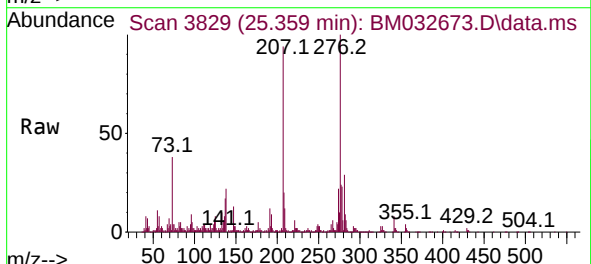
Instrument :
BNA_M
ClientSampled :
TH-CS

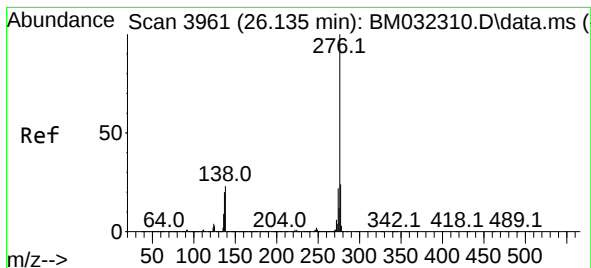
Tgt Ion:252 Resp: 501801
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 12.5 8.1 12.1#



#91
Dibenzo(a,h)anthracene
Concen: 2.364 ng
RT: 25.359 min Scan# 3829
Delta R.T. -0.006 min
Lab File: BM032673.D
Acq: 22 Oct 2021 13:43

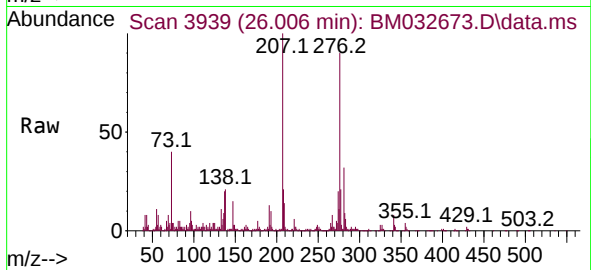
Tgt Ion:278 Resp: 88123
Ion Ratio Lower Upper
278 100
139 0.0 10.9 16.3#
279 27.0 18.2 27.2





#92
 Benzo(g,h,i)perylene
 Concen: 9.182 ng
 RT: 26.006 min Scan# 3939
 Delta R.T. 0.000 min
 Lab File: BM032673.D
 Acq: 22 Oct 2021 13:43

Instrument :
 BNA_M
 ClientSampleId :
 TH-CS



Tgt Ion: 276 Resp: 338405

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.4	29.0
138	23.3	14.6	22.0

