

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102221\
 Data File : BM032674.D
 Acq On : 22 Oct 2021 14:19
 Operator : CG/JU
 Sample : M4313-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 4743

Quant Time: Oct 22 15:32:25 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)

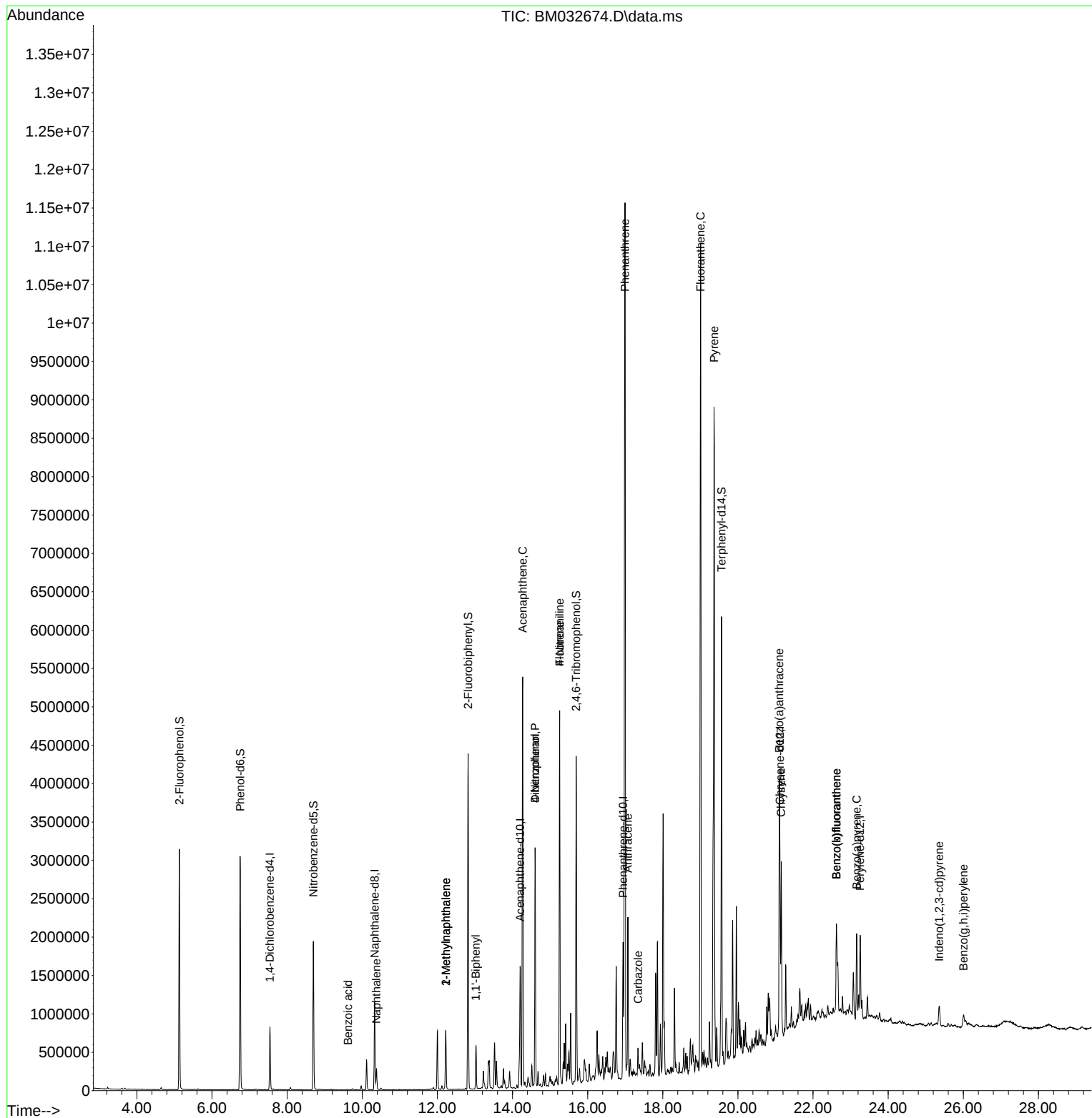
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.543	152	216427	20.000	ng	0.00
21) Naphthalene-d8	10.331	136	893112	20.000	ng	# 0.00
39) Acenaphthene-d10	14.201	164	547248	20.000	ng	0.00
64) Phenanthrene-d10	16.942	188	1089465	20.000	ng	0.00
76) Chrysene-d12	21.118	240	747683	20.000	ng	# 0.00
86) Perylene-d12	23.253	264	719008	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.131	112	1314431	102.330	ng	0.00
7) Phenol-d6	6.749	99	1735214	98.784	ng	0.00
23) Nitrobenzene-d5	8.701	82	1096360	68.275	ng	0.00
42) 2,4,6-Tribromophenol	15.695	330	584026	95.329	ng	0.00
45) 2-Fluorobiphenyl	12.819	172	2234316	60.705	ng	0.00
79) Terphenyl-d14	19.565	244	2639909	74.360	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.378	128	219660	4.793	ng	100
32) Benzoic acid	9.619	122	61	4.827	ng	# 1
37) 2-Methylnaphthalene	12.225	142	360926	11.589	ng	94
38) 1-Methylnaphthalene	12.225	142	362803	11.921	ng	# 98
46) 1,1'-Biphenyl	13.025	154	292223	7.236	ng	99
52) Acenaphthene	14.272	154	1917740	60.460	ng	99
55) Dibenzofuran	14.601	168	1880692	38.950	ng	93
56) 4-Nitrophenol	14.601	139	710303	97.921	ng	# 1
58) Fluorene	15.254	166	2098430	57.144	ng	99
62) 4-Nitroaniline	15.254	138	24748	2.819	ng	# 4
71) Phenanthrene	16.995	178	8108926	141.809	ng	97
72) Anthracene	17.071	178	1170932	20.956	ng	100
73) Carbazole	17.342	167	187332	3.376	ng	96
75) Fluoranthene	19.007	202	7532219	118.786	ng	96
78) Pyrene	19.365	202	5905638	116.481	ng	97
81) Benzo(a)anthracene	21.101	228	1521026	32.546	ng	97
83) Chrysene	21.153	228	1234109	27.296	ng	98
87) Indeno(1,2,3-cd)pyrene	25.359	276	194245	4.384	ng	99
88) Benzo(b)fluoranthene	22.624	252	1281185	29.292	ng	# 97
89) Benzo(k)fluoranthene	22.624	252	1281185	29.985	ng	# 96
90) Benzo(a)pyrene	23.159	252	541645	15.271	ng	# 96
92) Benzo(g,h,i)perylene	26.006	276	162611	4.403	ng	# 91

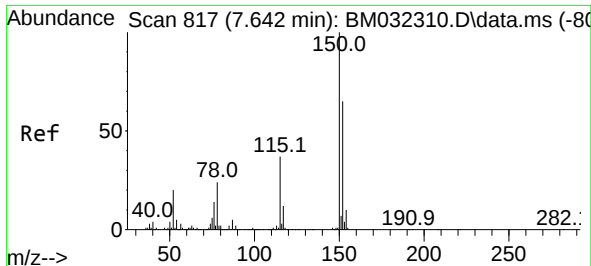
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102221\
Data File : BM032674.D
Acq On : 22 Oct 2021 14:19
Operator : CG/JU
Sample : M4313-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
4743

Quant Time: Oct 22 15:32:25 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

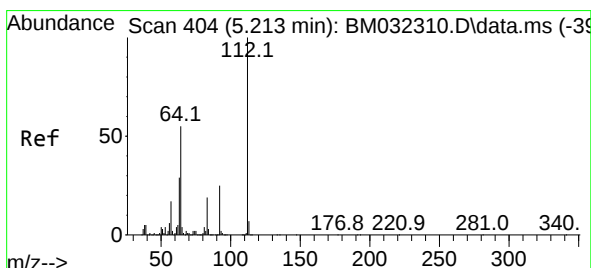
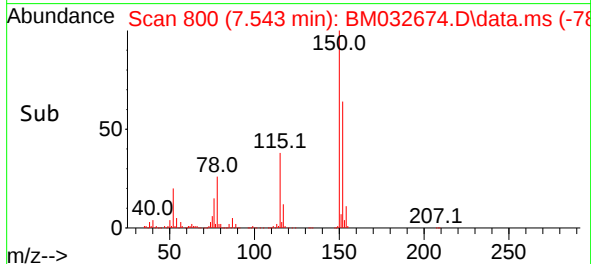
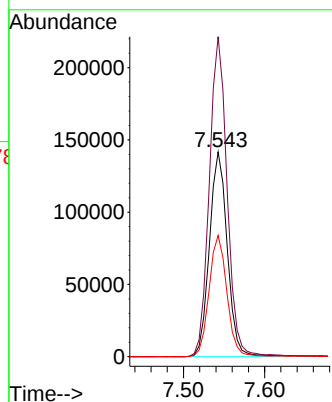
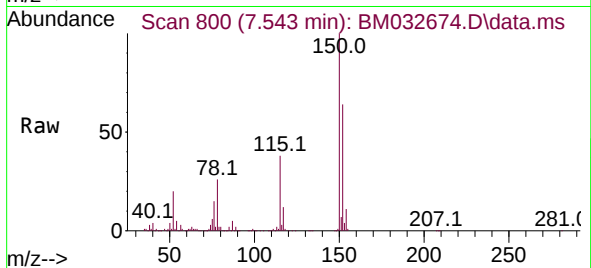




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.543 min Scan# 800
Delta R.T. 0.001 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

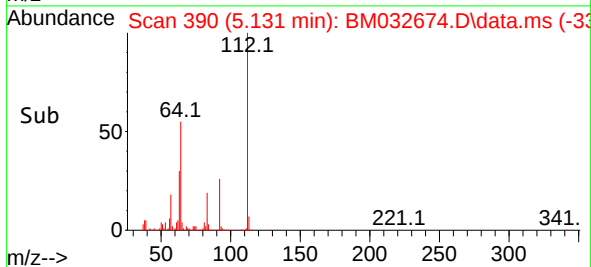
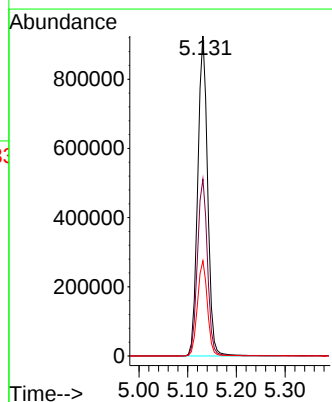
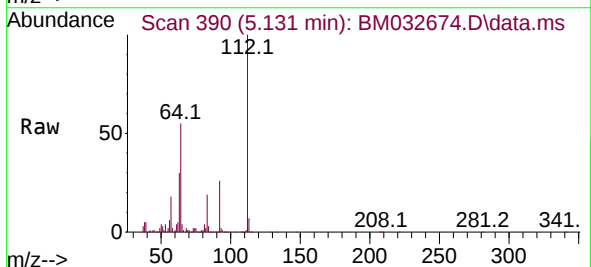
Instrument :
BNA_M
ClientSampleId :
4743

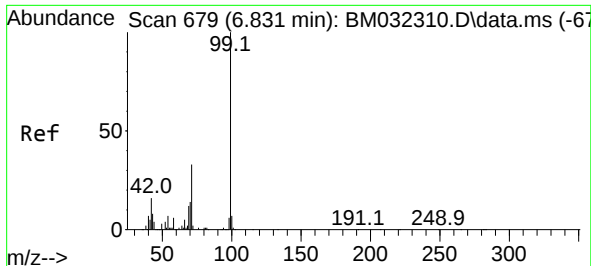
Tgt Ion:152 Resp: 216427
Ion Ratio Lower Upper
152 100
150 156.3 122.4 183.6
115 59.3 53.8 80.8



#5
2-Fluorophenol
Concen: 102.330 ng
RT: 5.131 min Scan# 390
Delta R.T. 0.006 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

Tgt Ion:112 Resp: 1314431
Ion Ratio Lower Upper
112 100
64 55.3 53.7 80.5
63 29.8 33.9 50.9#

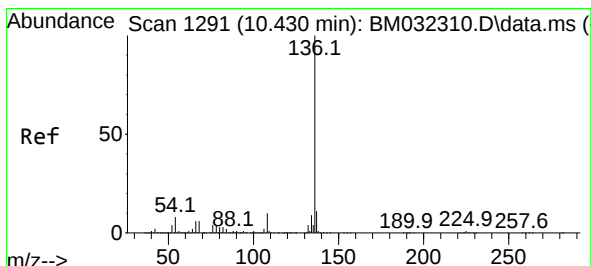
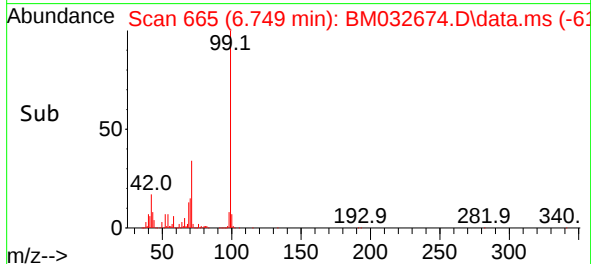
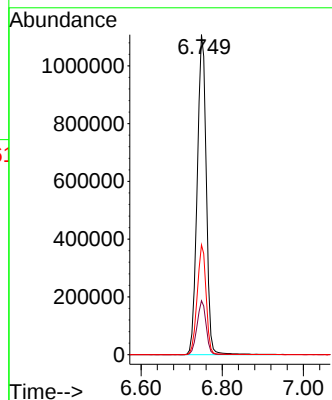
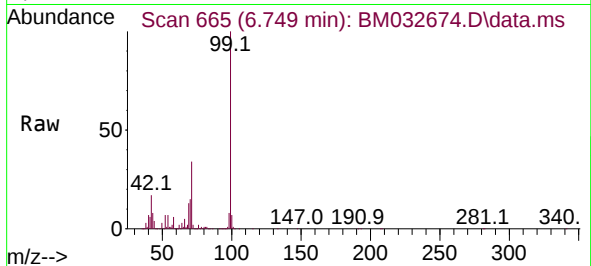




#7
Phenol-d6
Concen: 98.784 ng
RT: 6.749 min Scan# 665
Delta R.T. 0.000 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

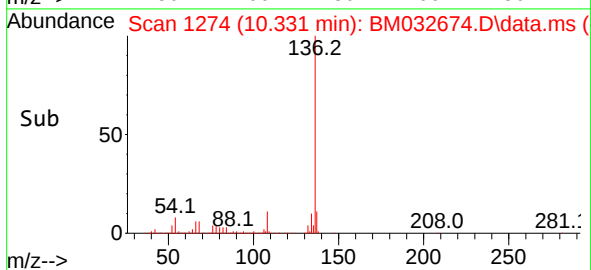
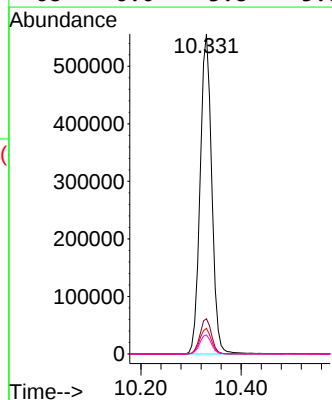
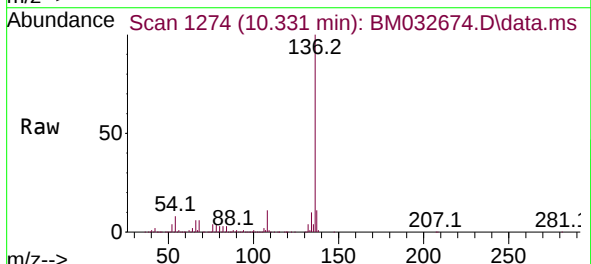
Instrument :
BNA_M
ClientSampleId :
4743

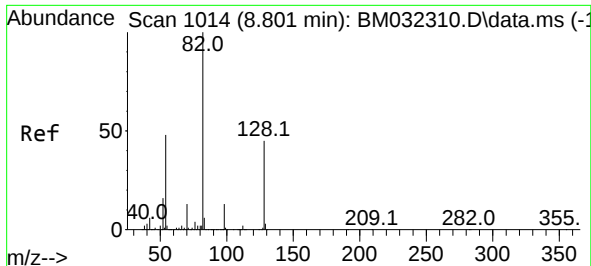
Tgt Ion: 99 Resp: 1735214
Ion Ratio Lower Upper
99 100
42 16.8 23.0 34.6#
71 34.3 37.8 56.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.331 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

Tgt Ion: 136 Resp: 893112
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 8.0 7.4 11.0
68 6.0 3.8 5.8#

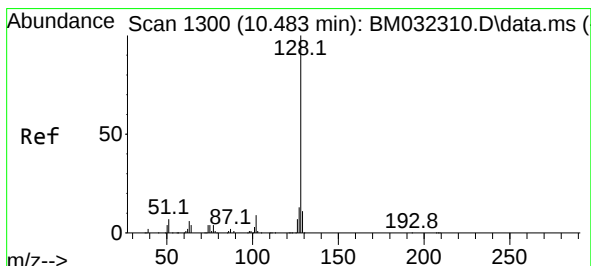
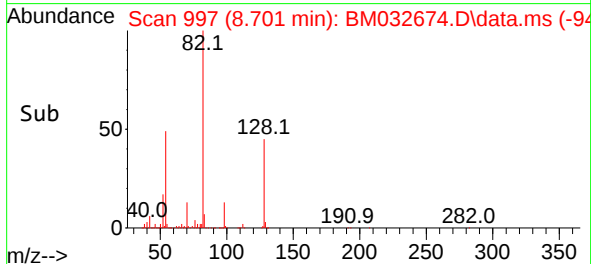
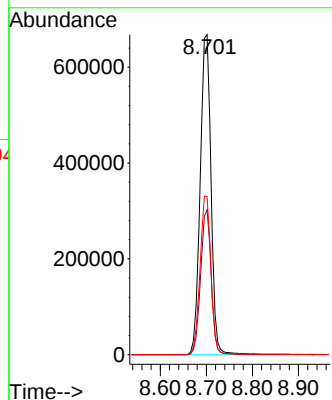
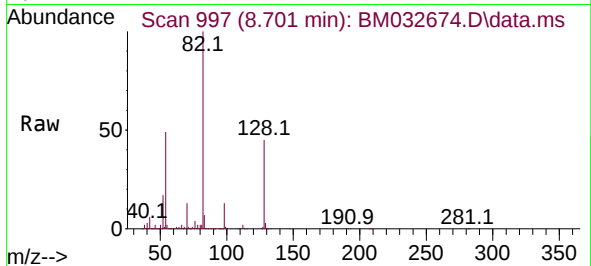




#23
Nitrobenzene-d5
Concen: 68.275 ng
RT: 8.701 min Scan# 997
Delta R.T. 0.000 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

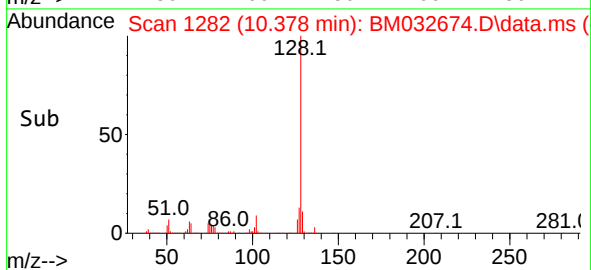
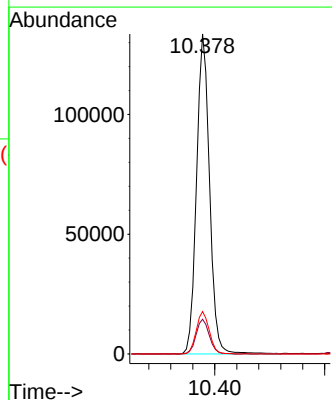
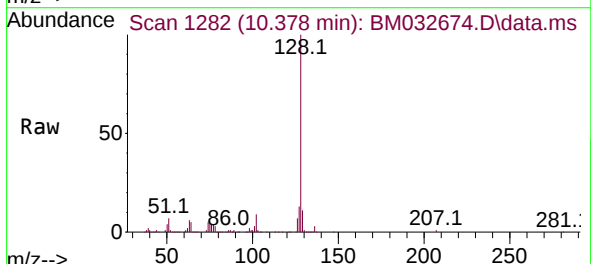
Instrument :
BNA_M
ClientSampleId :
4743

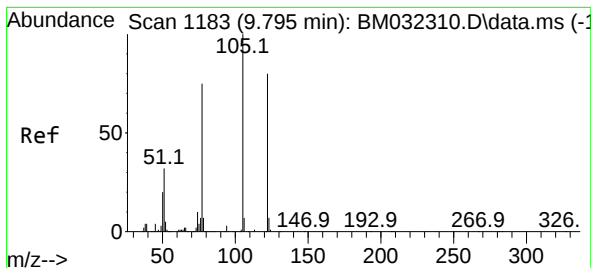
Tgt Ion: 82 Resp: 1096360
Ion Ratio Lower Upper
82 100
128 45.3 29.0 43.6#
54 49.3 45.8 68.8



#31
Naphthalene
Concen: 4.793 ng
RT: 10.378 min Scan# 1282
Delta R.T. 0.000 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

Tgt Ion: 128 Resp: 219660
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.2 10.4 15.6





#32

Benzoic acid

Concen: 4.827 ng

RT: 9.619 min Scan# 1153

Delta R.T. -0.094 min

Lab File: BM032674.D

Acq: 22 Oct 2021 14:19

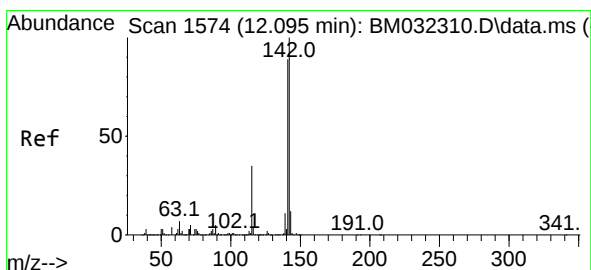
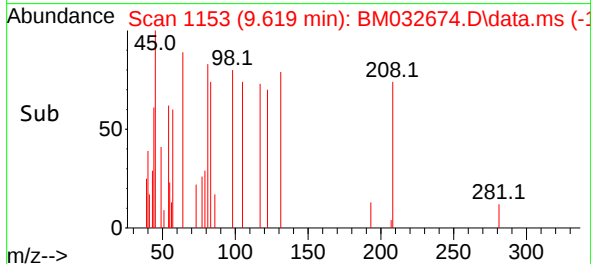
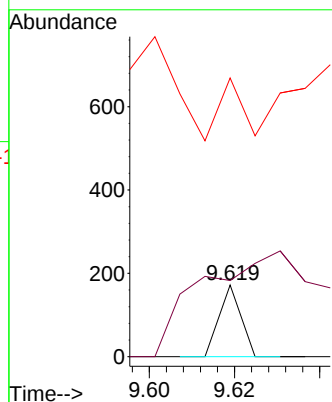
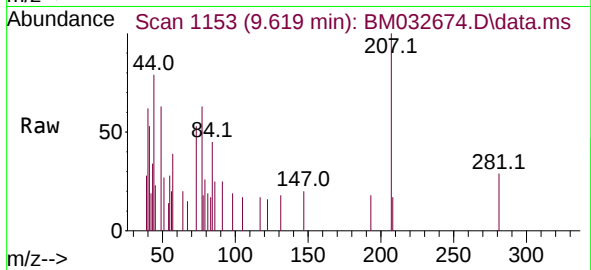
Instrument :

BNA_M

ClientSampleId :

4743

Tgt Ion:122	Resp:	61
Ion	Ratio	Lower Upper
122	100	
105	106.4	120.3 160.3#
77	389.0	100.0 140.0#



#37

2-Methylnaphthalene

Concen: 11.589 ng

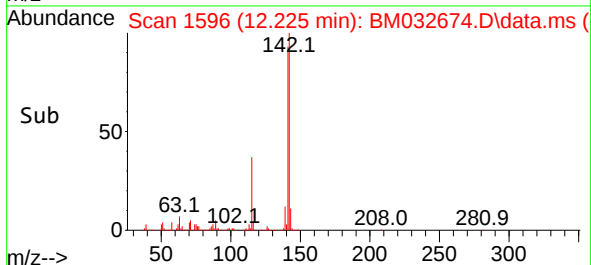
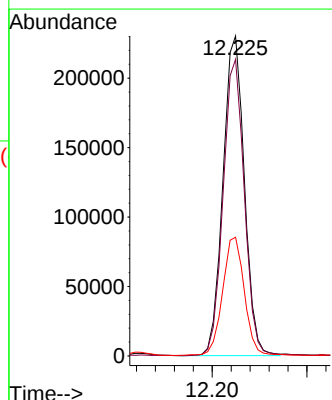
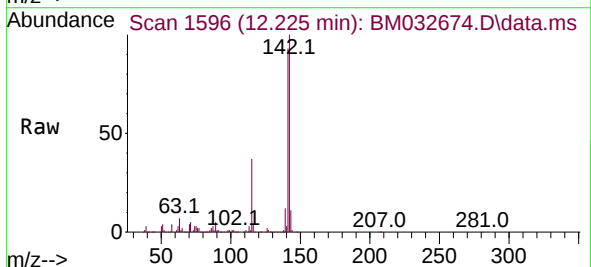
RT: 12.225 min Scan# 1596

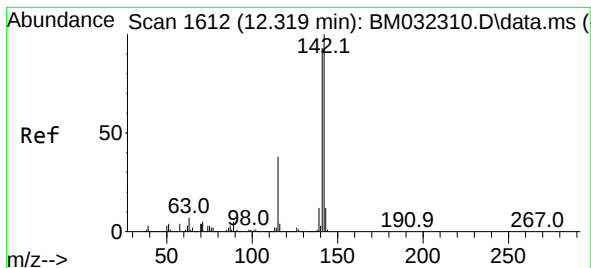
Delta R.T. 0.224 min

Lab File: BM032674.D

Acq: 22 Oct 2021 14:19

Tgt Ion:142	Resp:	360926
Ion	Ratio	Lower Upper
142	100	
141	92.7	71.8 107.6
115	37.1	36.3 54.5

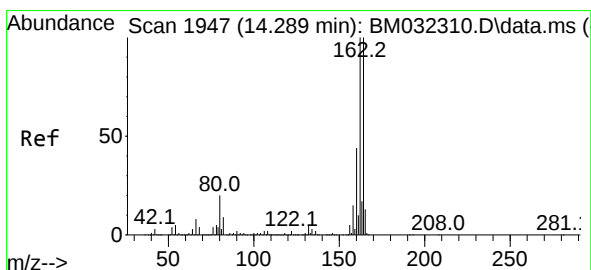
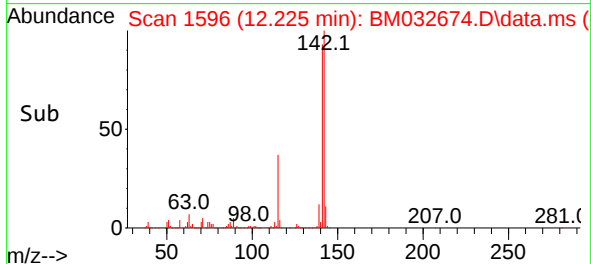
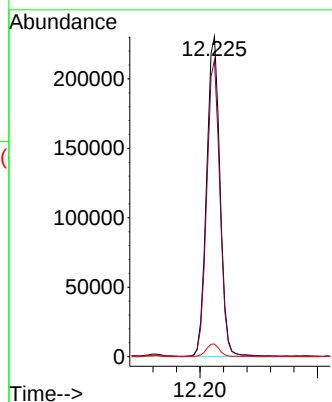
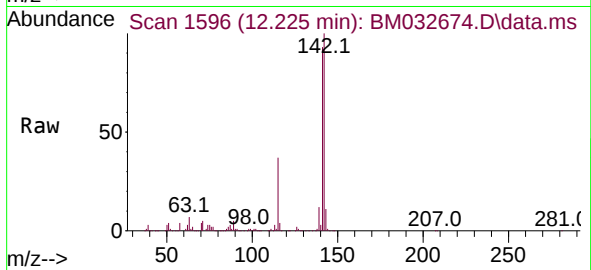




#38
1-Methylnaphthalene
Concen: 11.921 ng
RT: 12.225 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

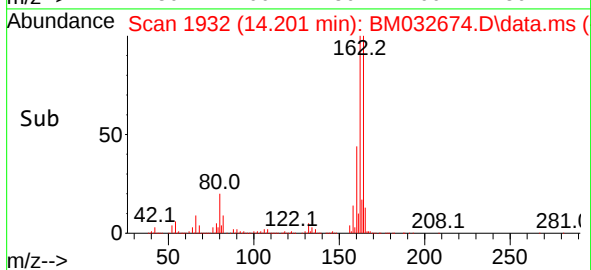
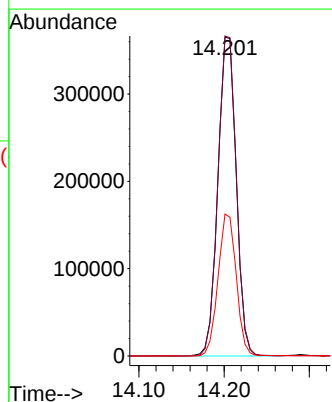
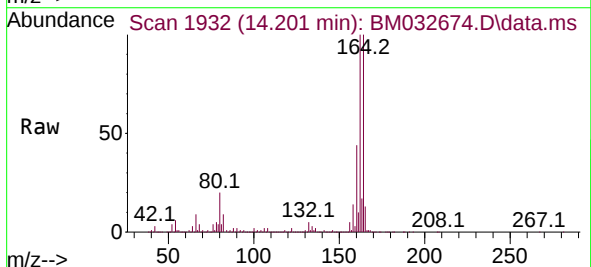
Instrument :
BNA_M
ClientSampleId :
4743

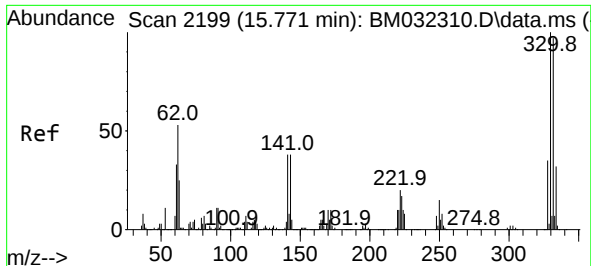
Tgt Ion:142 Resp: 362803
Ion Ratio Lower Upper
142 100
141 92.7 75.6 113.4
116 3.9 4.0 6.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.201 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

Tgt Ion:164 Resp: 547248
Ion Ratio Lower Upper
164 100
162 100.4 80.6 121.0
160 44.5 35.1 52.7

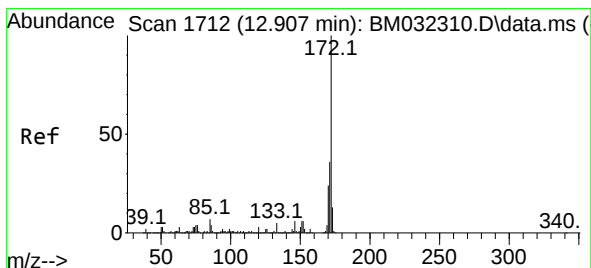
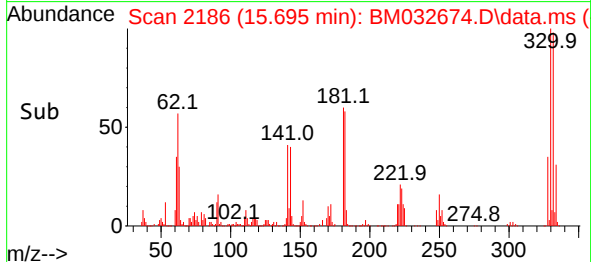
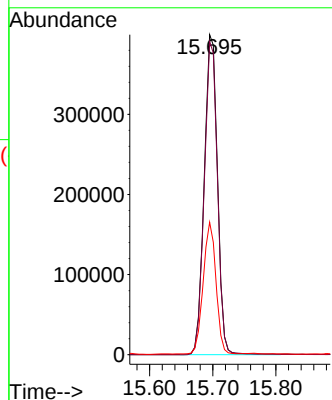
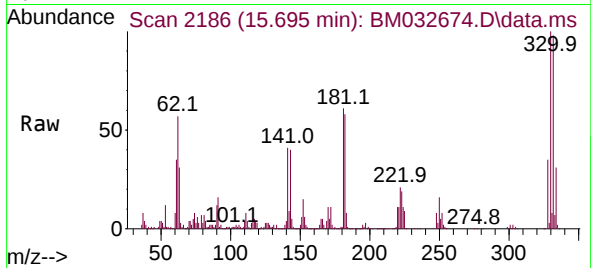




#42
2,4,6-Tribromophenol
Concen: 95.329 ng
RT: 15.695 min Scan# 2186
Delta R.T. 0.000 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

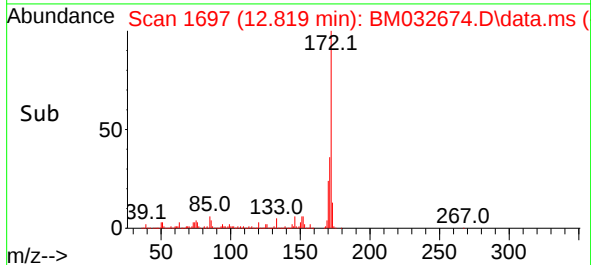
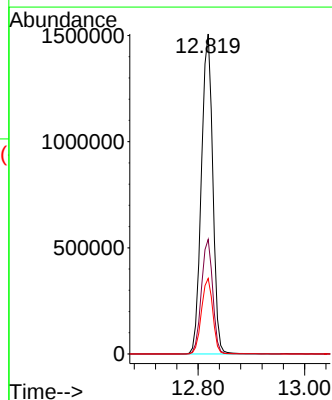
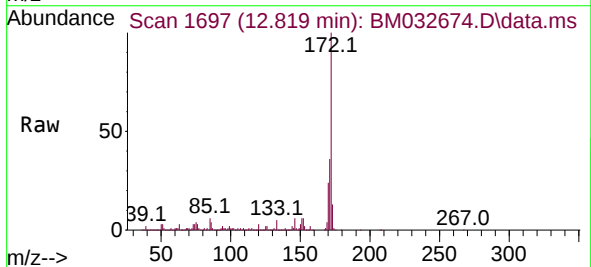
Instrument :
BNA_M
ClientSampleId :
4743

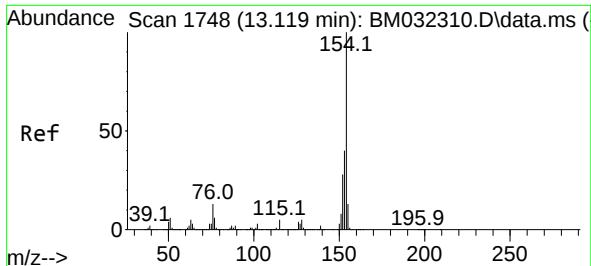
Tgt Ion:330 Resp: 584026
Ion Ratio Lower Upper
330 100
332 97.2 75.7 113.5
141 39.6 50.7 76.1#



#45
2-Fluorobiphenyl
Concen: 60.705 ng
RT: 12.819 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

Tgt Ion:172 Resp: 2234316
Ion Ratio Lower Upper
172 100
171 35.8 28.1 42.1
170 23.6 18.6 27.8

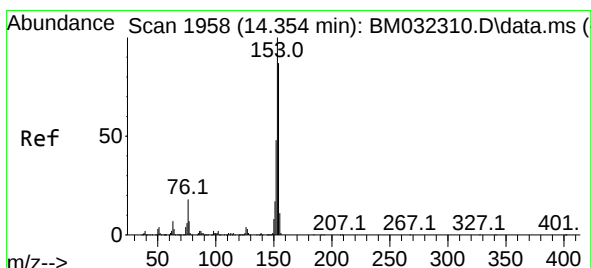
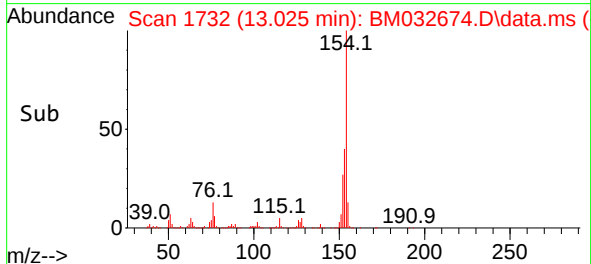
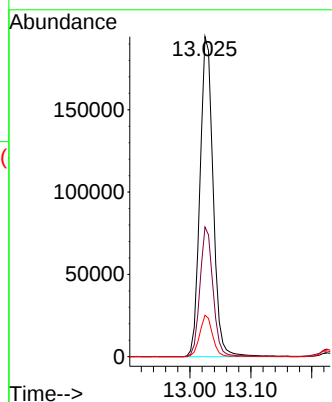
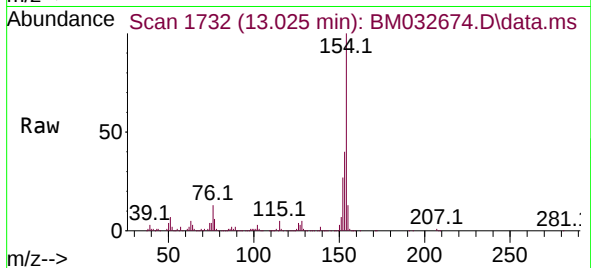




#46
1,1'-Biphenyl
Concen: 7.236 ng
RT: 13.025 min Scan# 1732
Delta R.T. -0.006 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

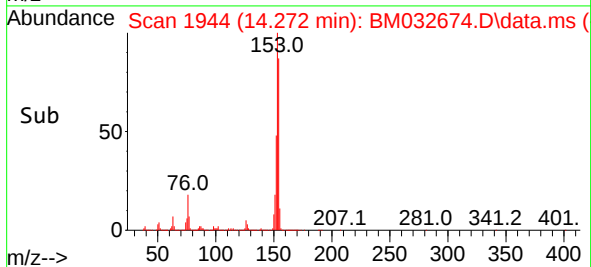
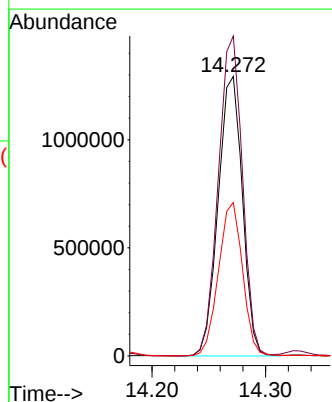
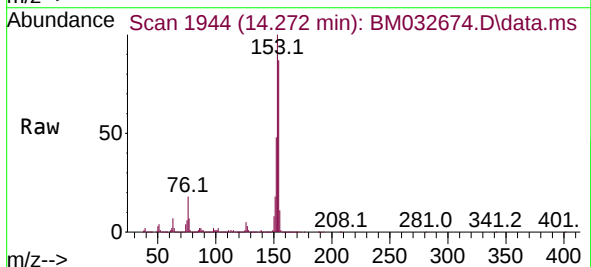
Instrument :
BNA_M
ClientSampleId :
4743

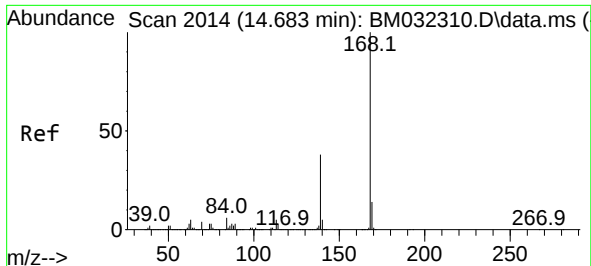
Tgt Ion:154 Resp: 292223
Ion Ratio Lower Upper
154 100
153 40.5 20.3 60.3
76 12.9 0.0 33.5



#52
Acenaphthene
Concen: 60.460 ng
RT: 14.272 min Scan# 1944
Delta R.T. 0.006 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

Tgt Ion:154 Resp: 1917740
Ion Ratio Lower Upper
154 100
153 114.5 92.4 138.6
152 54.9 43.7 65.5

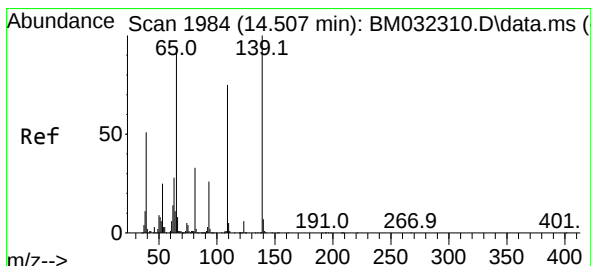
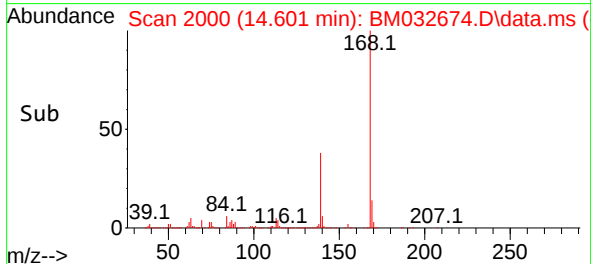
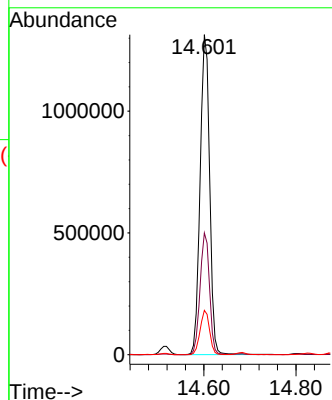
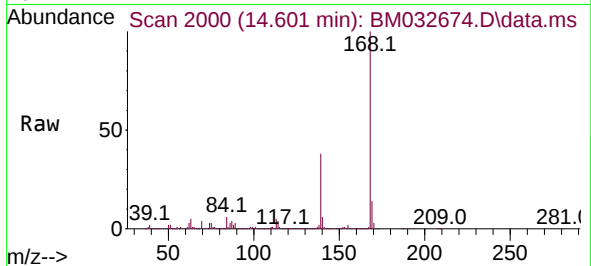




#55
Dibenzenofuran
Concen: 38.950 ng
RT: 14.601 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

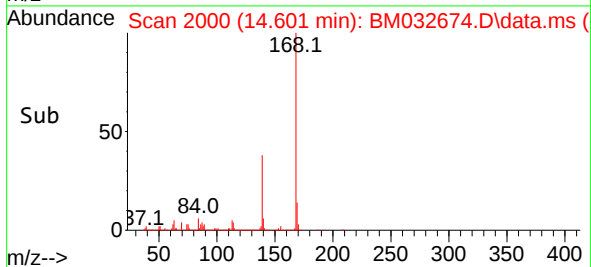
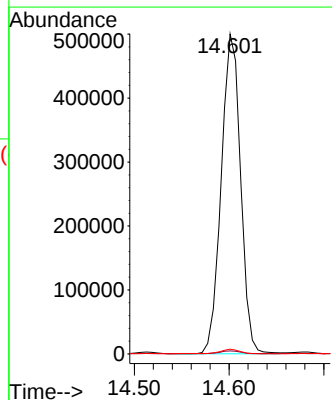
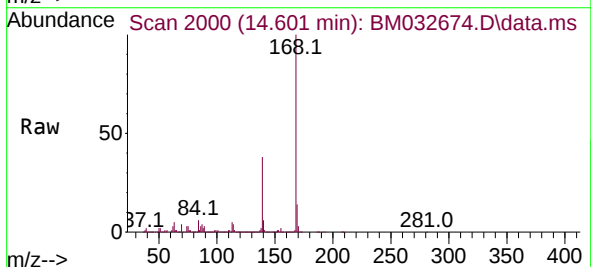
Instrument :
BNA_M
ClientSampleId :
4743

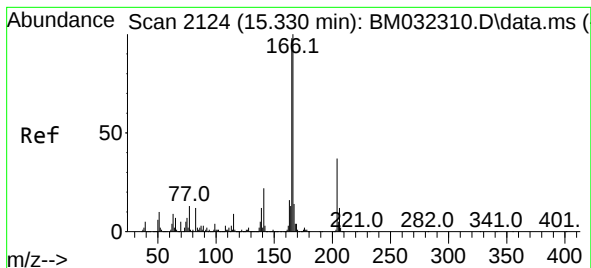
Tgt Ion:168 Resp: 1880692
Ion Ratio Lower Upper
168 100
139 38.1 35.0 52.4
169 13.9 10.8 16.2



#56
4-Nitrophenol
Concen: 97.921 ng
RT: 14.601 min Scan# 2000
Delta R.T. 0.159 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

Tgt Ion:139 Resp: 710303
Ion Ratio Lower Upper
139 100
109 1.0 92.3 132.3#
65 1.5 110.5 150.5#





#58

Fluorene

Concen: 57.144 ng

RT: 15.254 min Scan# 2111

Delta R.T. 0.000 min

Lab File: BM032674.D

Acq: 22 Oct 2021 14:19

Tgt Ion:166 Resp: 2098430

Ion Ratio Lower Upper

166 100

165 98.3 79.3 118.9

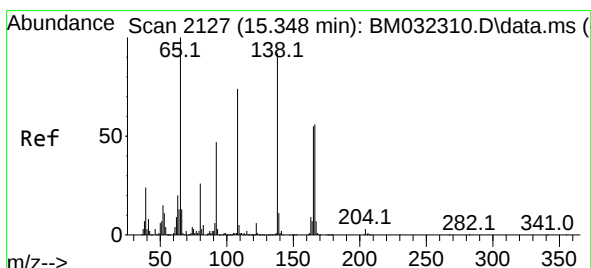
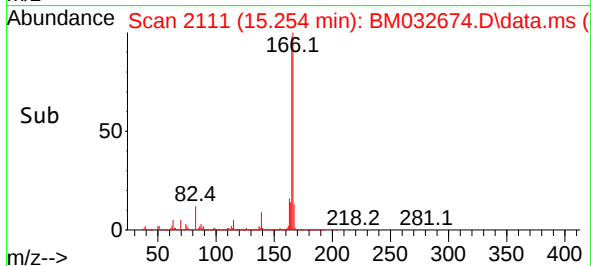
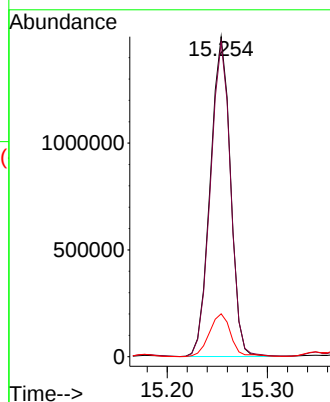
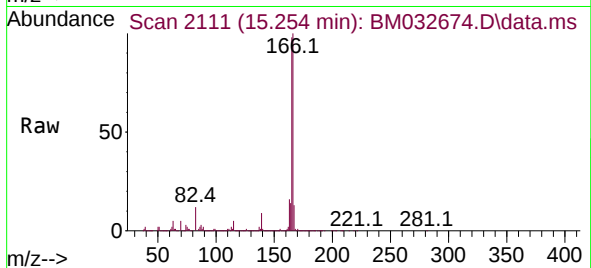
167 13.4 10.6 16.0

Instrument :

BNA_M

ClientSampled :

4743



#62

4-Nitroaniline

Concen: 2.819 ng

RT: 15.254 min Scan# 2111

Delta R.T. -0.023 min

Lab File: BM032674.D

Acq: 22 Oct 2021 14:19

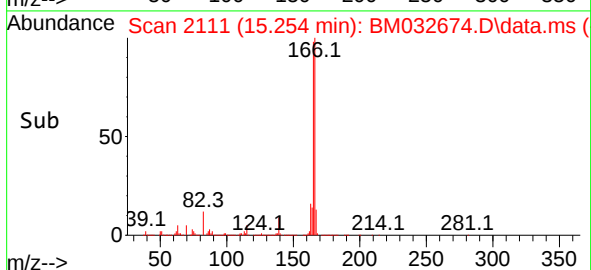
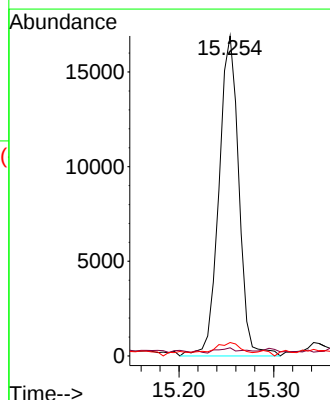
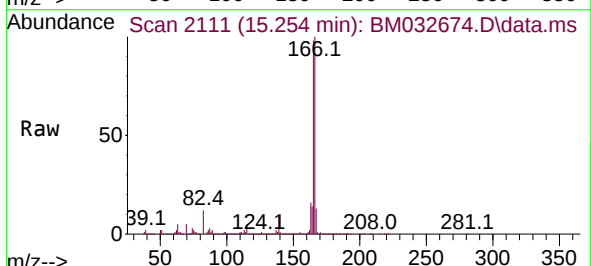
Tgt Ion:138 Resp: 24748

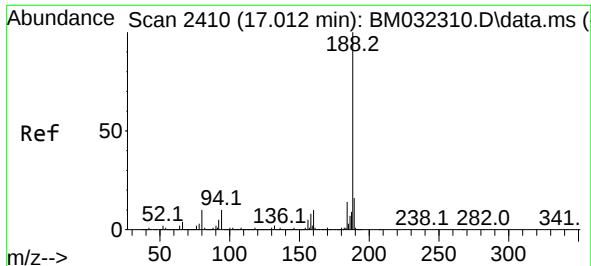
Ion Ratio Lower Upper

138 100

92 2.5 40.6 80.6#

108 4.2 103.8 143.8#

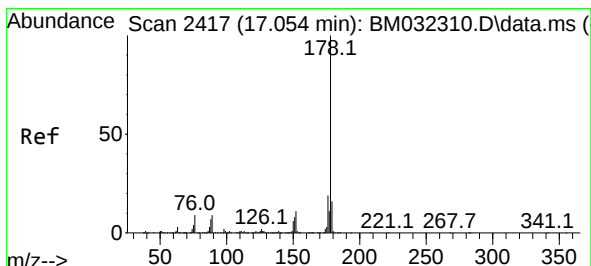
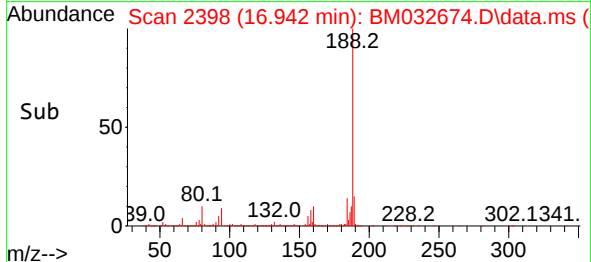
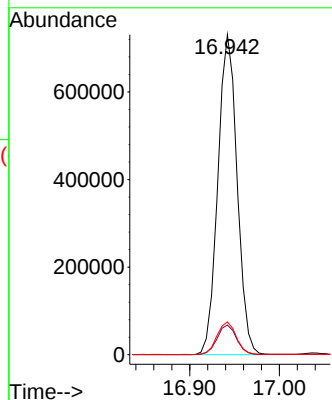
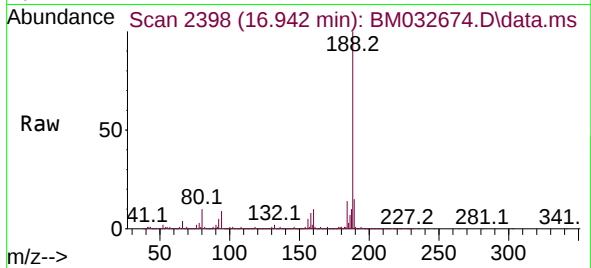




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.942 min Scan# 2398
Delta R.T. 0.006 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

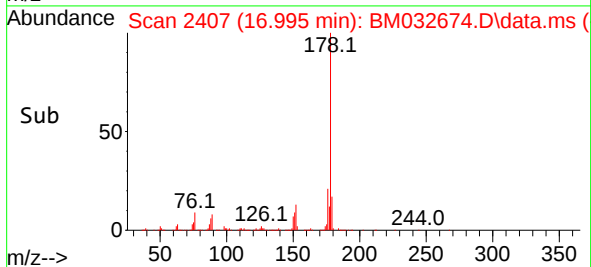
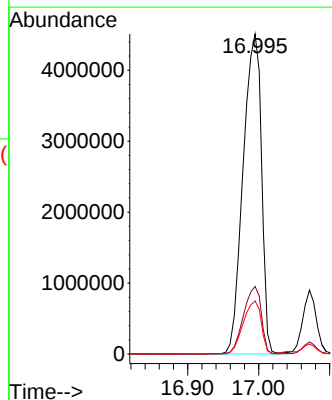
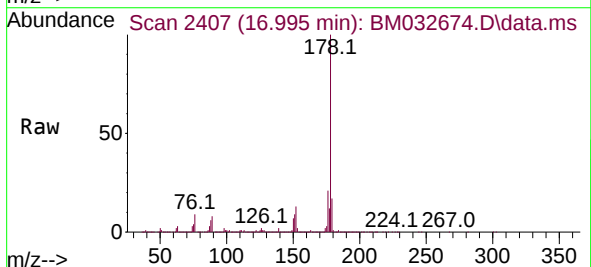
Instrument :
BNA_M
ClientSampled :
4743

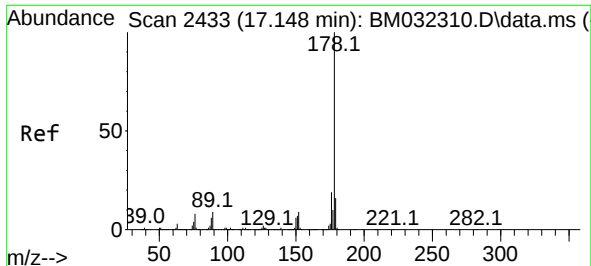
Tgt Ion:188 Resp: 1089465
Ion Ratio Lower Upper
188 100
94 9.3 6.3 9.5
80 10.2 7.3 10.9



#71
Phenanthrene
Concen: 141.809 ng
RT: 16.995 min Scan# 2407
Delta R.T. 0.012 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

Tgt Ion:178 Resp: 8108926
Ion Ratio Lower Upper
178 100
176 21.1 15.6 23.4
179 16.5 12.4 18.6

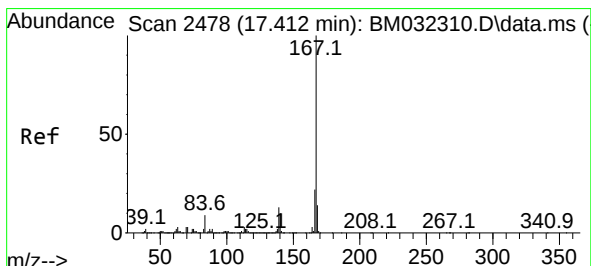
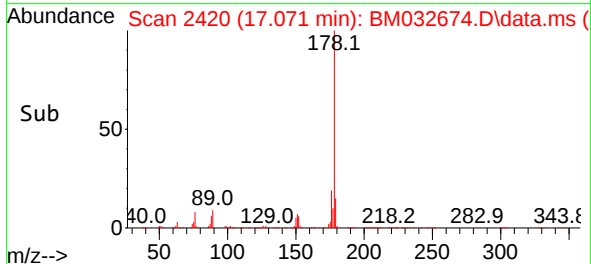
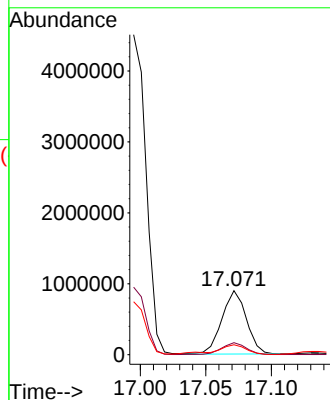
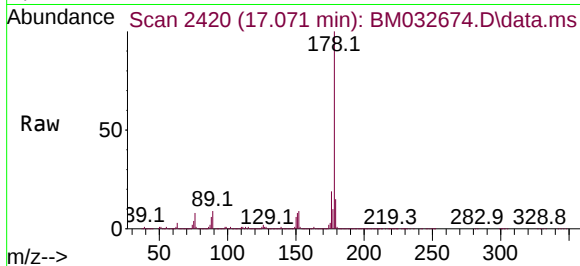




#72
 Anthracene
 Concen: 20.956 ng
 RT: 17.071 min Scan# 2420
 Delta R.T. 0.000 min
 Lab File: BM032674.D
 Acq: 22 Oct 2021 14:19

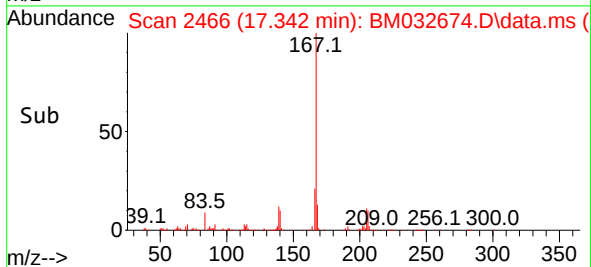
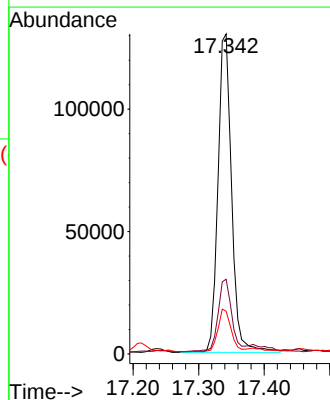
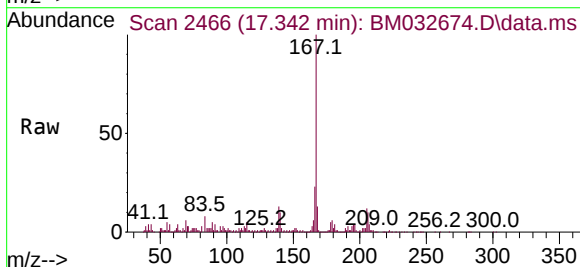
Instrument :
 BNA_M
 ClientSampleId :
 4743

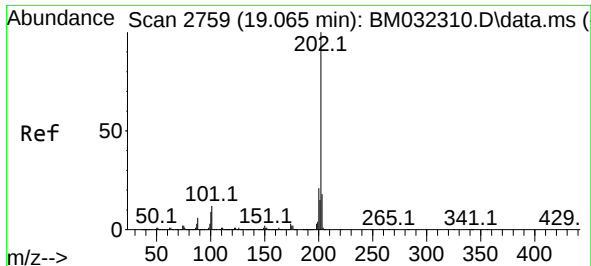
Tgt Ion:178 Resp: 1170932
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.8 22.2
 179 15.5 12.3 18.5



#73
 Carbazole
 Concen: 3.376 ng
 RT: 17.342 min Scan# 2466
 Delta R.T. 0.000 min
 Lab File: BM032674.D
 Acq: 22 Oct 2021 14:19

Tgt Ion:167 Resp: 187332
 Ion Ratio Lower Upper
 167 100
 166 23.4 17.4 26.0
 139 13.4 11.9 17.9

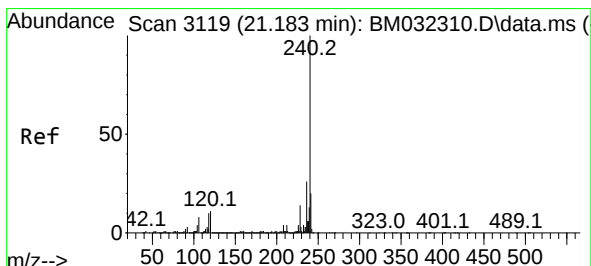
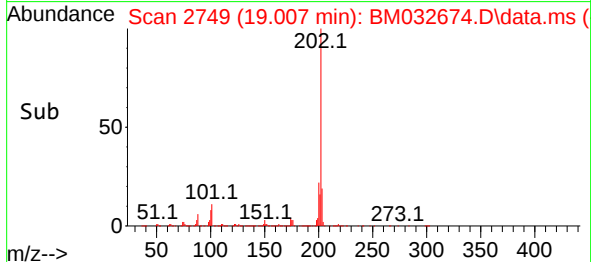
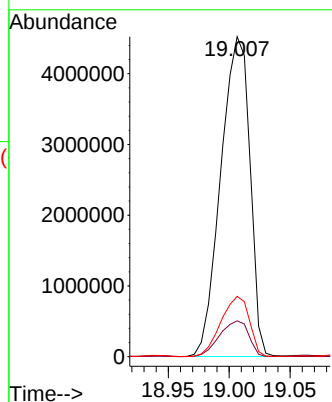
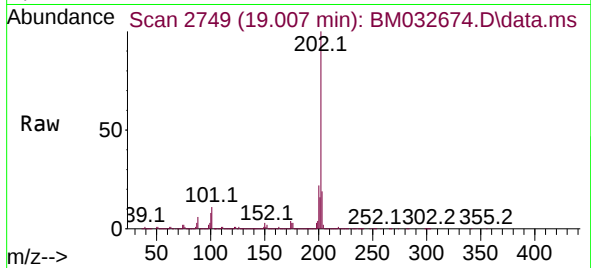




#75
Fluoranthene
Concen: 118.786 ng
RT: 19.007 min Scan# 2749
Delta R.T. 0.012 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

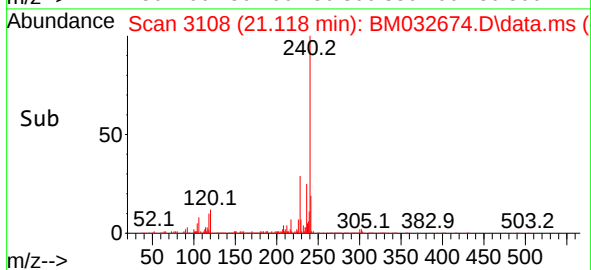
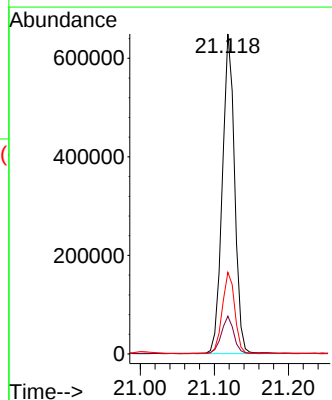
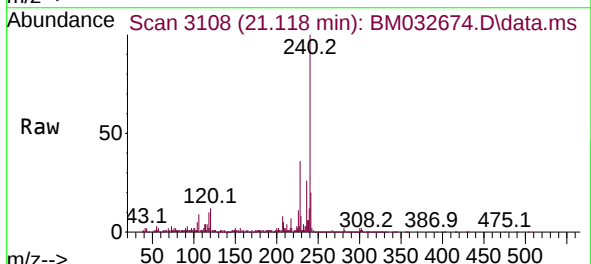
Instrument :
BNA_M
ClientSampled :
4743

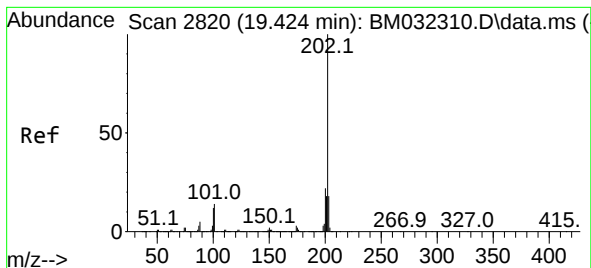
Tgt Ion:202 Resp: 7532219
Ion Ratio Lower Upper
202 100
101 11.2 0.0 29.9
203 18.9 0.0 36.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.118 min Scan# 3108
Delta R.T. 0.000 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

Tgt Ion:240 Resp: 747683
Ion Ratio Lower Upper
240 100
120 11.8 7.8 11.6#
236 25.5 20.9 31.3





#78

Pyrene

Concen: 116.481 ng

RT: 19.365 min Scan# 2810

Delta R.T. 0.006 min

Lab File: BM032674.D

Acq: 22 Oct 2021 14:19

Instrument :

BNA_M

ClientSampleId :

4743

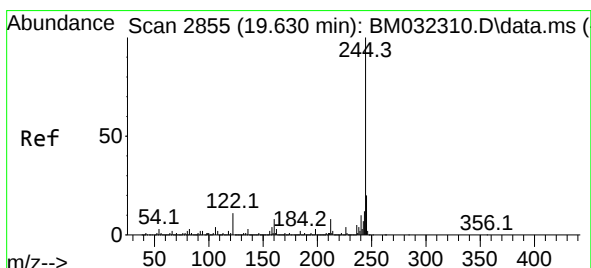
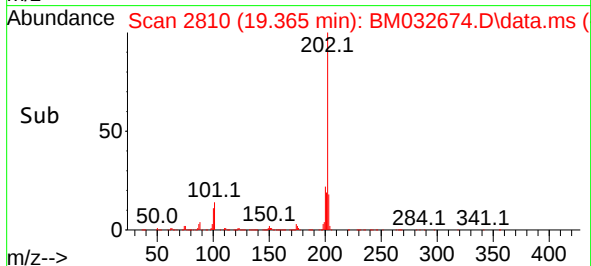
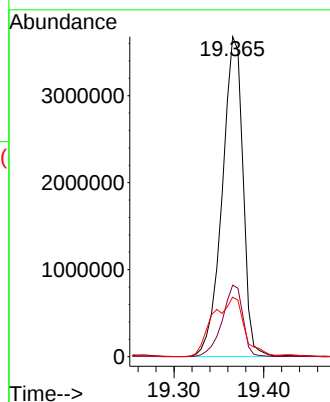
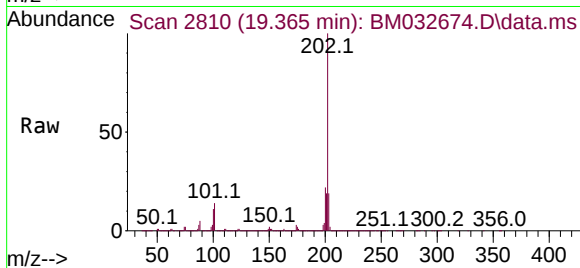
Tgt Ion:202 Resp: 5905638

Ion Ratio Lower Upper

202 100

200 22.4 16.6 25.0

203 18.6 13.7 20.5



#79

Terphenyl-d14

Concen: 74.360 ng

RT: 19.565 min Scan# 2844

Delta R.T. 0.000 min

Lab File: BM032674.D

Acq: 22 Oct 2021 14:19

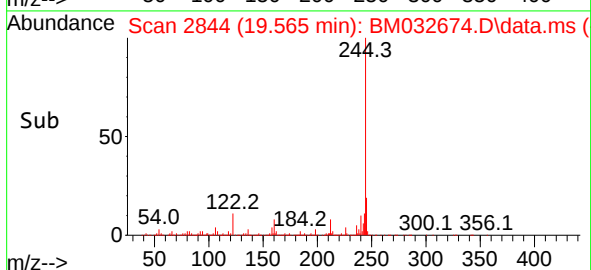
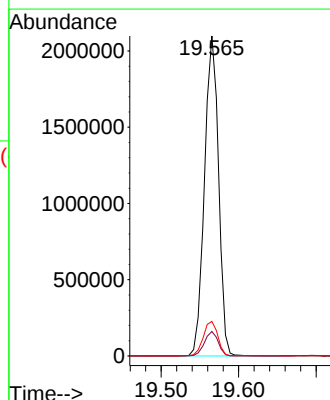
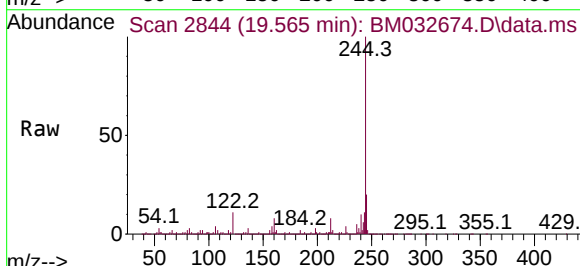
Tgt Ion:244 Resp: 2639909

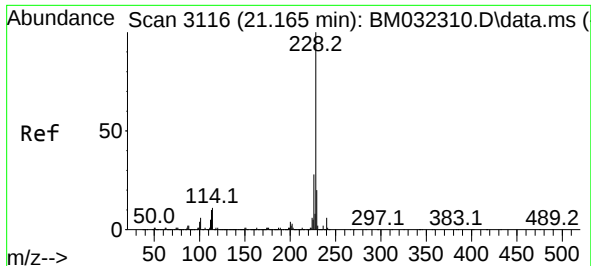
Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

122 10.8 8.7 13.1

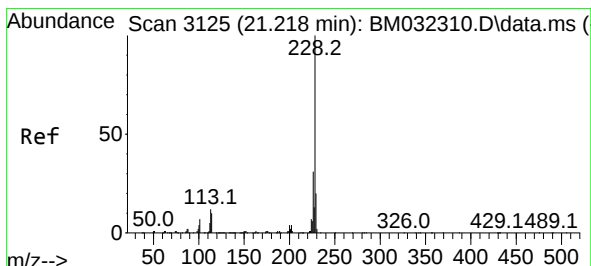
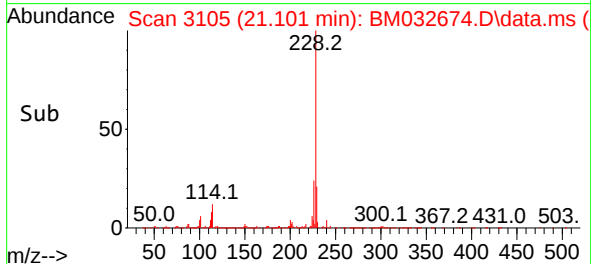
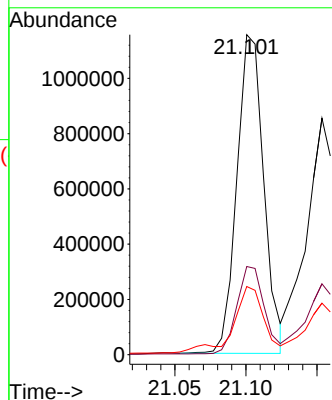
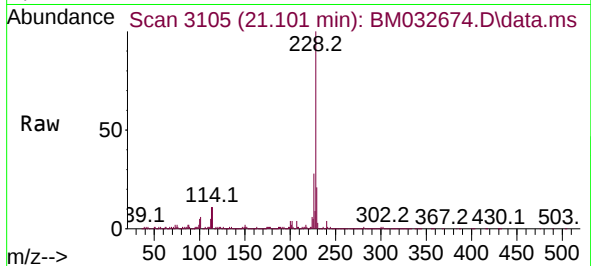




#81
Benzo(a)anthracene
Concen: 32.546 ng
RT: 21.101 min Scan# 3105
Delta R.T. 0.000 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

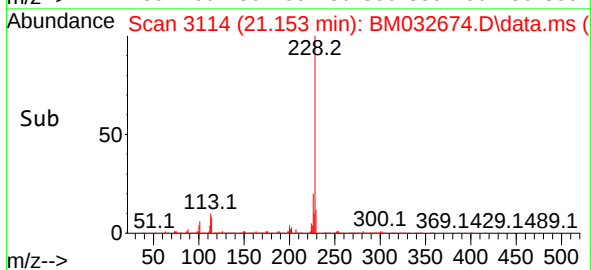
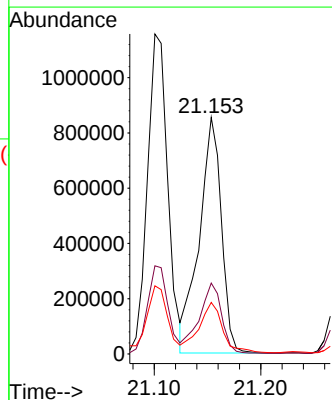
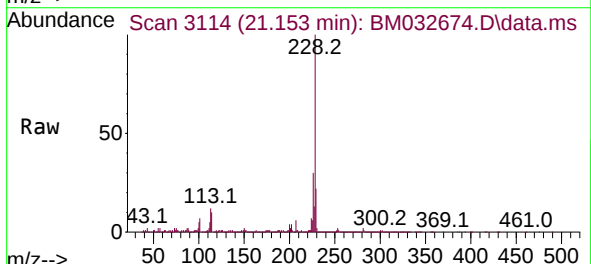
Instrument :
BNA_M
ClientSampled :
4743

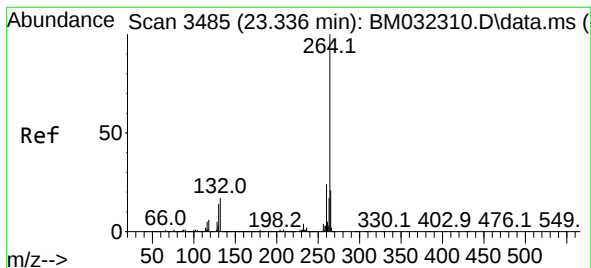
Tgt Ion:228 Resp: 1521026
Ion Ratio Lower Upper
228 100
226 27.5 21.4 32.2
229 21.3 15.3 22.9



#83
Chrysene
Concen: 27.296 ng
RT: 21.153 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

Tgt Ion:228 Resp: 1234109
Ion Ratio Lower Upper
228 100
226 30.0 24.0 36.0
229 21.8 16.0 24.0

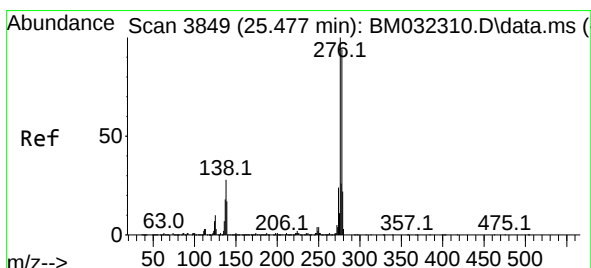
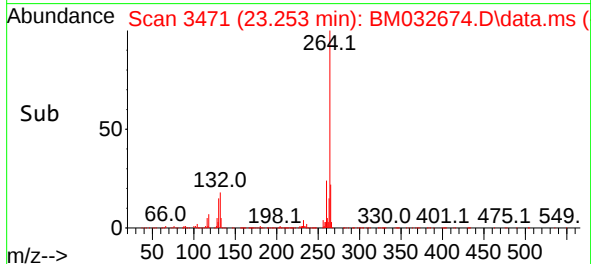
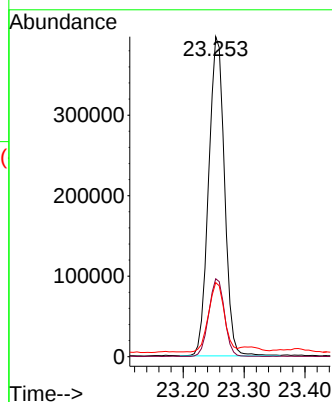
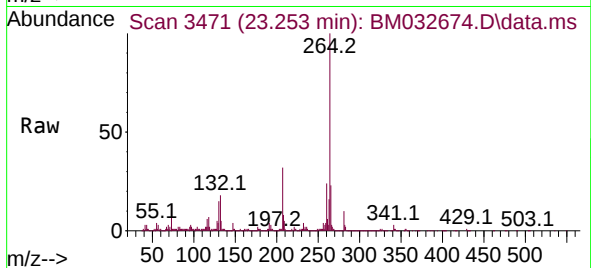




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.253 min Scan# 3471
Delta R.T. 0.000 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

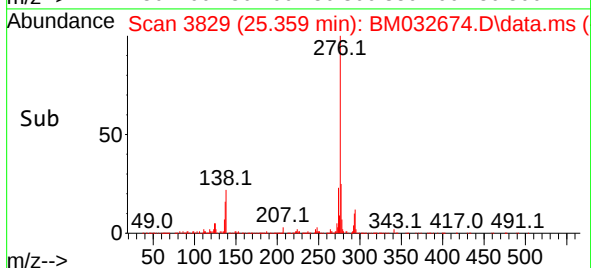
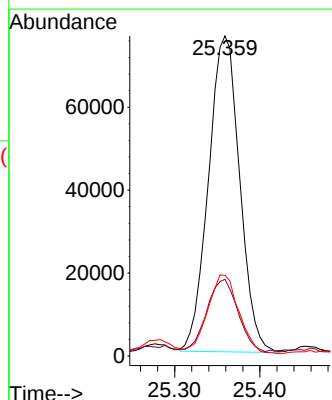
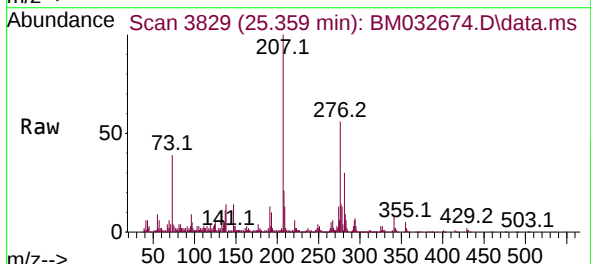
Instrument :
BNA_M
ClientSampleId :
4743

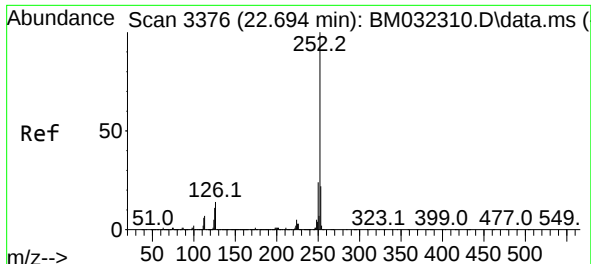
Tgt Ion:264 Resp: 719008
Ion Ratio Lower Upper
264 100
260 24.4 19.3 28.9
265 23.2 18.3 27.5



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.384 ng
RT: 25.359 min Scan# 3829
Delta R.T. -0.006 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

Tgt Ion:276 Resp: 194245
Ion Ratio Lower Upper
276 100
138 23.3 18.4 27.6
277 24.8 20.1 30.1

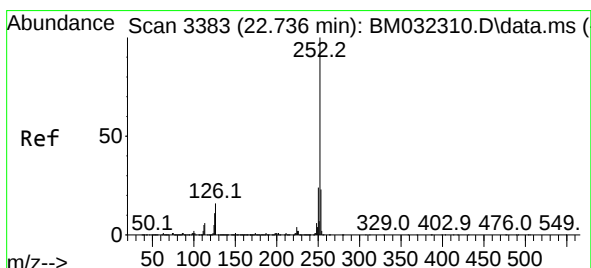
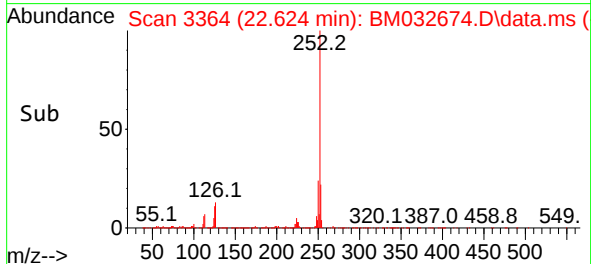
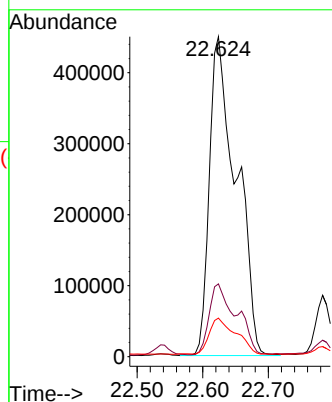
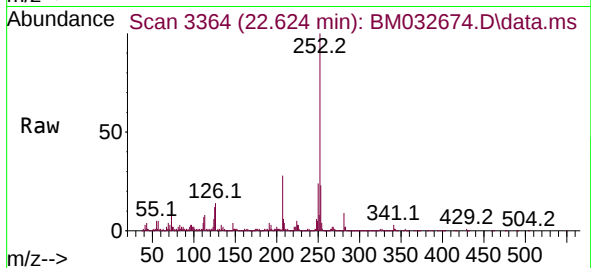




#88
Benzo(b)fluoranthene
Concen: 29.292 ng
RT: 22.624 min Scan# 3364
Delta R.T. 0.006 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

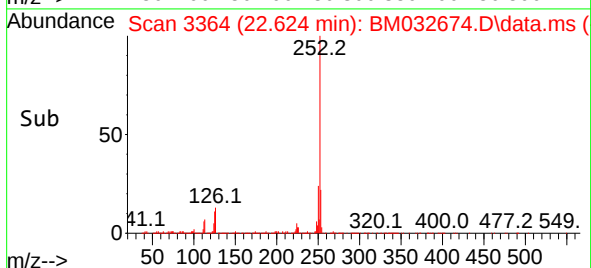
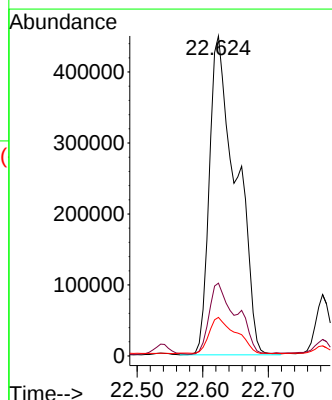
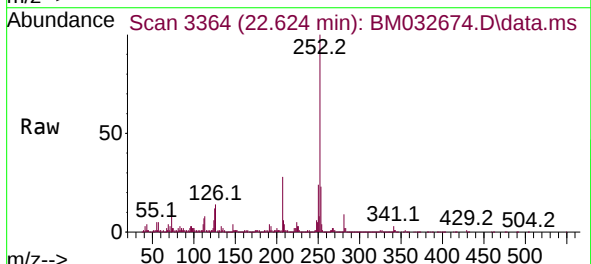
Instrument :
BNA_M
ClientSampleId :
4743

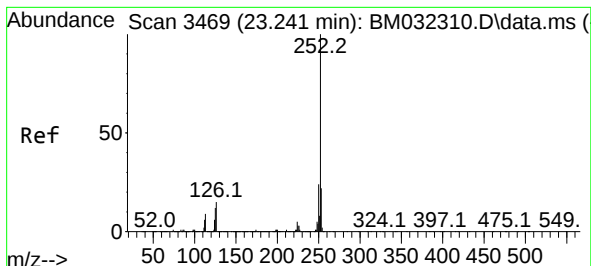
Tgt Ion:252 Resp: 1281185
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 12.1 7.5 11.3#



#89
Benzo(k)fluoranthene
Concen: 29.985 ng
RT: 22.624 min Scan# 3364
Delta R.T. -0.035 min
Lab File: BM032674.D
Acq: 22 Oct 2021 14:19

Tgt Ion:252 Resp: 1281185
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 12.1 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 15.271 ng

RT: 23.159 min Scan# 3455

Delta R.T. 0.000 min

Lab File: BM032674.D

Acq: 22 Oct 2021 14:19

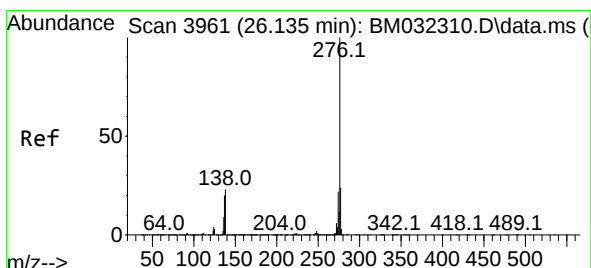
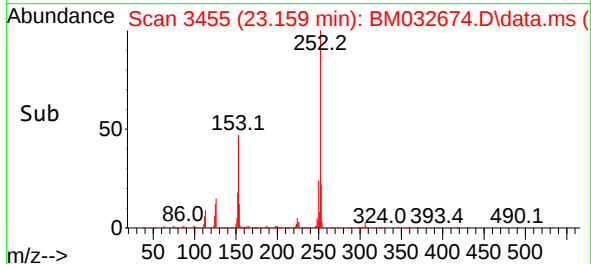
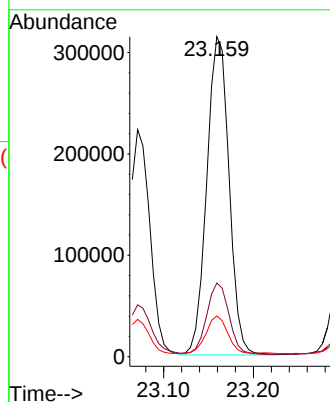
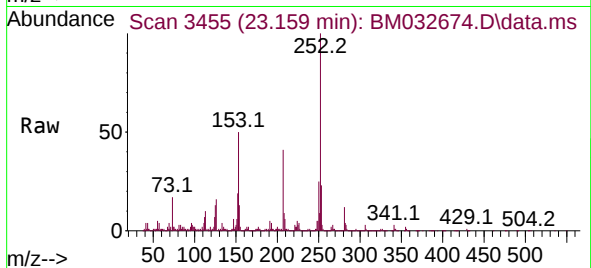
Instrument :

BNA_M

ClientSampleId :

4743

Tgt Ion:252 Resp: 541645
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.4 26.2
 125 12.7 8.1 12.1#



#92

Benzo(g,h,i)perylene

Concen: 4.403 ng

RT: 26.006 min Scan# 3939

Delta R.T. 0.000 min

Lab File: BM032674.D

Acq: 22 Oct 2021 14:19

Tgt Ion:276 Resp: 162611
 Ion Ratio Lower Upper
 276 100
 277 26.2 19.4 29.0
 138 24.8 14.6 22.0#

