

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081122\
 Data File : BM036221.D
 Acq On : 11 Aug 2022 22:26
 Operator : CG/JU
 Sample : N4143-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RB-21204

Quant Time: Aug 12 02:20:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 10 22:19:26 2022
 Response via : Initial Calibration

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

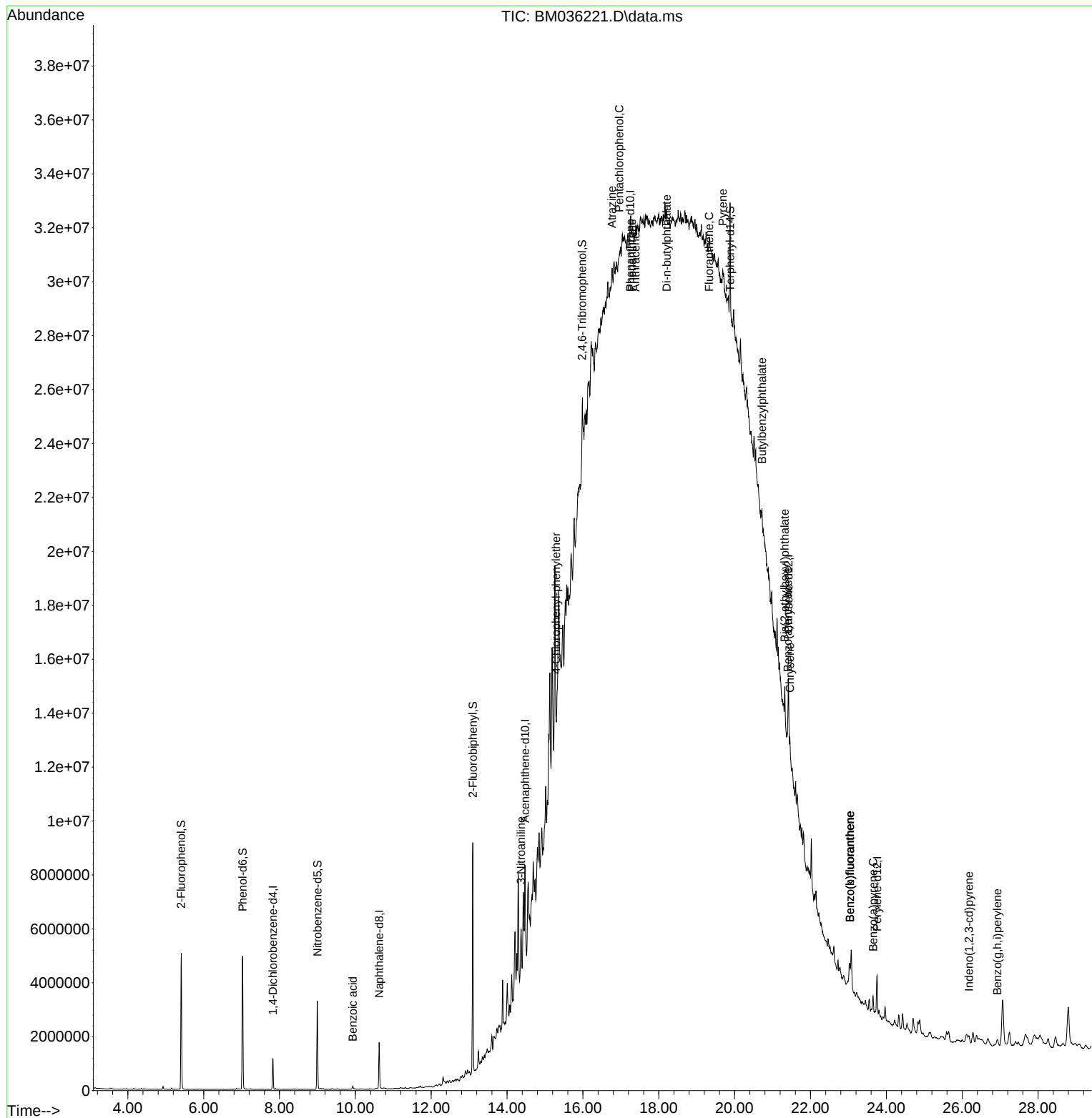
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	311390	20.000	ng	0.00
21) Naphthalene-d8	10.628	136	1397778	20.000	ng	-0.01
39) Acenaphthene-d10	14.474	164	853161	20.000	ng	0.00
64) Phenanthrene-d10	17.251	188	1055984	20.000	ng	# 0.04
76) Chrysene-d12	21.421	240	1106405	20.000	ng	0.02
86) Perylene-d12	23.756	264	1067914	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	2227040	115.951	ng	0.00
7) Phenol-d6	7.028	99	2888929	118.209	ng	0.00
23) Nitrobenzene-d5	8.998	82	1838186	73.614	ng	0.00
42) 2,4,6-Tribromophenol	15.980	330	1138029	113.704	ng	0.01
45) 2-Fluorobiphenyl	13.098	172	4282894	74.119	ng	0.00
79) Terphenyl-d14	19.880	244	4177487	74.474	ng	0.04
Target Compounds						Qvalue
32) Benzoic acid	9.934	122	58795	4.324	ng	96
53) 3-Nitroaniline	14.369	138	91988	6.773	ng	# 13
61) 4-Chlorophenyl-phenyle...	15.292	204	129434	4.567	ng	91
69) Atrazine	16.762	200	17848	2.140	ng	# 1
70) Pentachlorophenol	16.957	266	19227	2.709	ng	# 1
71) Phenanthrene	17.292	178	324559	6.033	ng	# 1
72) Anthracene	17.386	178	152289	2.924	ng	# 1
74) Di-n-butylphthalate	18.209	149	497222	7.893	ng	# 47
75) Fluoranthene	19.327	202	511278	8.490	ng	# 56
78) Pyrene	19.686	202	560869	8.175	ng	# 61
80) Butylbenzylphthalate	20.721	149	76031	2.568	ng	# 32
81) Benzo(a)anthracene	21.403	228	358261	5.257	ng	# 83
83) Chrysene	21.456	228	511991	7.903	ng	# 87
84) Bis(2-ethylhexyl)phtha...	21.321	149	190078	4.255	ng	# 72
87) Indeno(1,2,3-cd)pyrene	26.180	276	259920	3.463	ng	95
88) Benzo(b)fluoranthene	23.044	252	720465	11.515	ng	# 91
89) Benzo(k)fluoranthene	23.044	252	720465	11.401	ng	# 91
90) Benzo(a)pyrene	23.650	252	325882	6.208	ng	# 88
92) Benzo(g,h,i)perylene	26.927	276	241966	3.979	ng	95

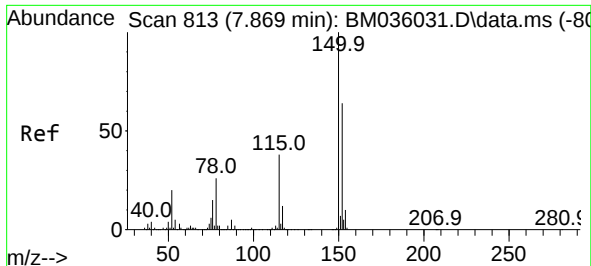
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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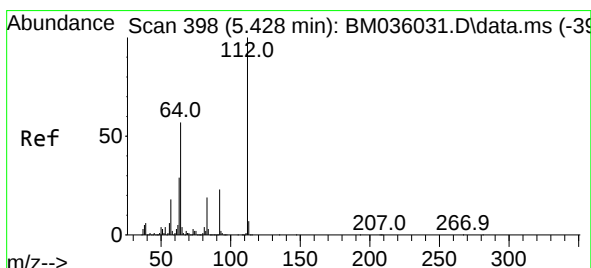
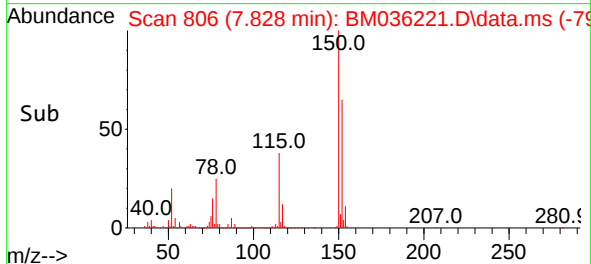
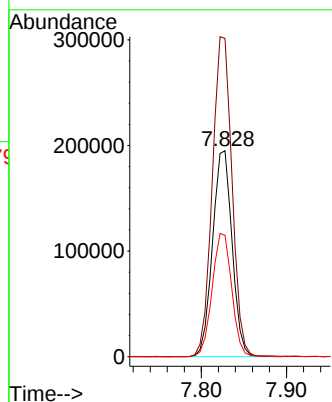
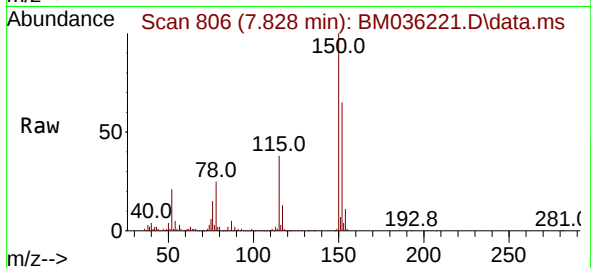




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.828 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM036221.D
Acq: 11 Aug 2022 22:26

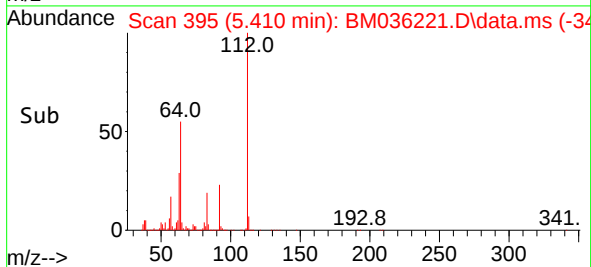
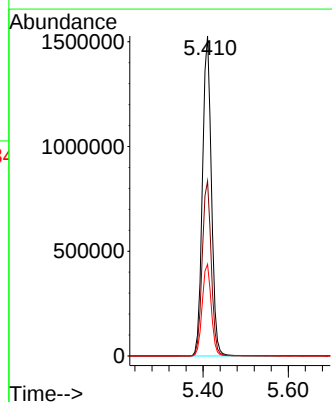
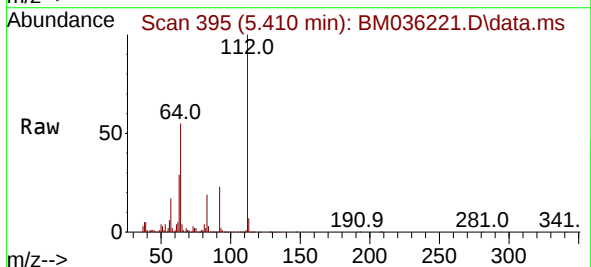
Instrument :
BNA_M
ClientSampleId :
RB-21204

Tgt Ion:152 Resp: 311390
Ion Ratio Lower Upper
152 100
150 154.5 124.9 187.3
115 58.9 47.9 71.9



#5
2-Fluorophenol
Concen: 115.951 ng
RT: 5.410 min Scan# 395
Delta R.T. -0.006 min
Lab File: BM036221.D
Acq: 11 Aug 2022 22:26

Tgt Ion:112 Resp: 2227040
Ion Ratio Lower Upper
112 100
64 54.7 47.8 71.6
63 28.6 26.6 40.0

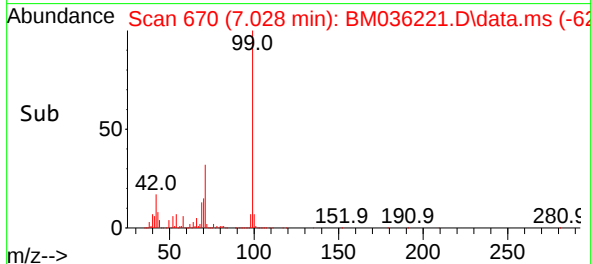
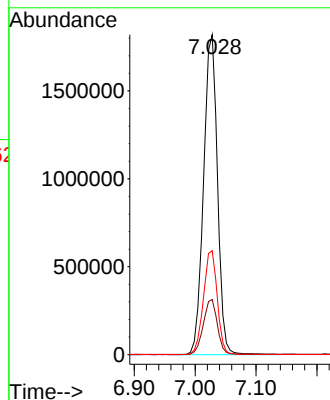
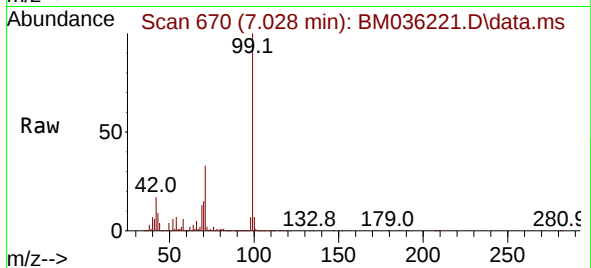




#7
Phenol-d6
Concen: 118.209 ng
RT: 7.028 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM036221.D
Acq: 11 Aug 2022 22:26

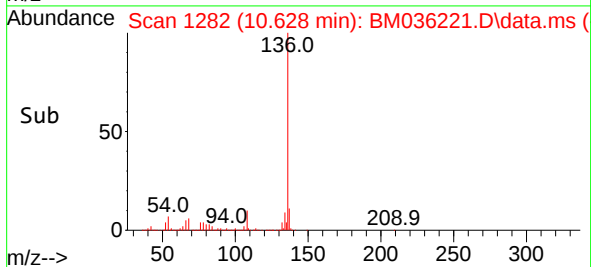
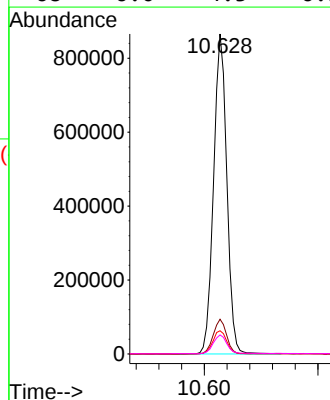
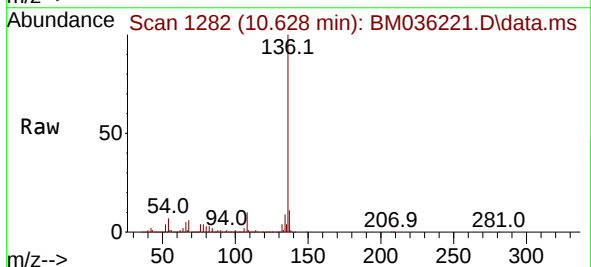
Instrument :
BNA_M
ClientSampleId :
RB-21204

Tgt Ion: 99 Resp: 2888929
Ion Ratio Lower Upper
99 100
42 17.2 18.8 28.2#
71 32.5 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.628 min Scan# 1282
Delta R.T. -0.012 min
Lab File: BM036221.D
Acq: 11 Aug 2022 22:26

Tgt Ion: 136 Resp: 1397778
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.3 7.0 10.4
68 6.0 4.3 6.5

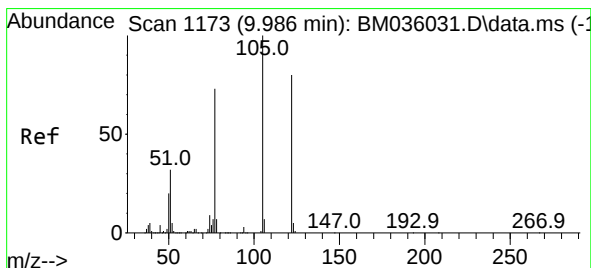
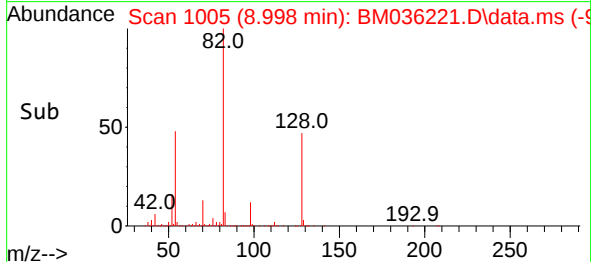
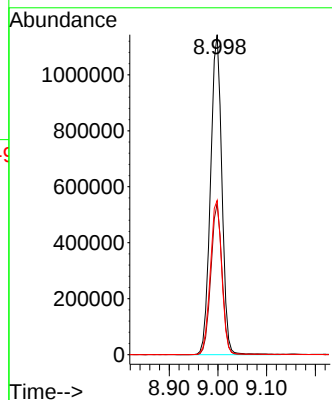
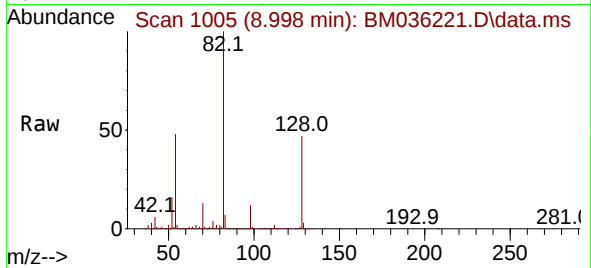




#23
Nitrobenzene-d5
Concen: 73.614 ng
RT: 8.998 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BM036221.D
Acq: 11 Aug 2022 22:26

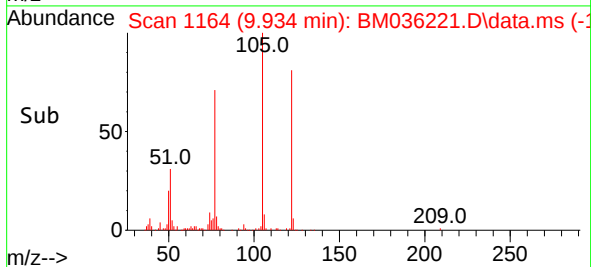
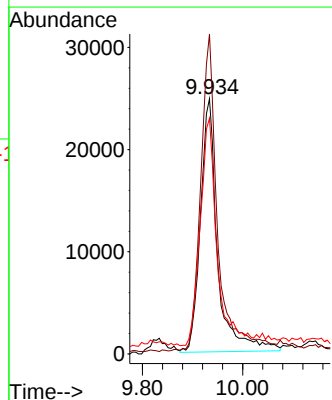
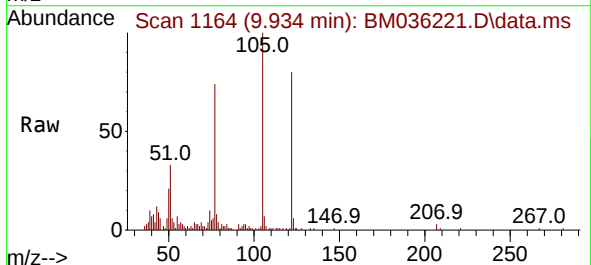
Instrument :
BNA_M
ClientSampleId :
RB-21204

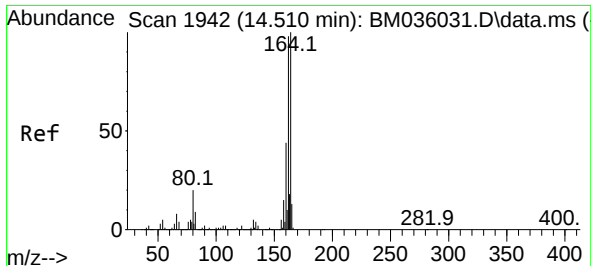
Tgt Ion: 82 Resp: 1838186
Ion Ratio Lower Upper
82 100
128 47.2 33.7 50.5
54 48.2 43.2 64.8



#32
Benzoic acid
Concen: 4.324 ng
RT: 9.934 min Scan# 1164
Delta R.T. -0.059 min
Lab File: BM036221.D
Acq: 11 Aug 2022 22:26

Tgt Ion:122 Resp: 58795
Ion Ratio Lower Upper
122 100
105 125.4 105.7 145.7
77 92.3 80.0 120.0

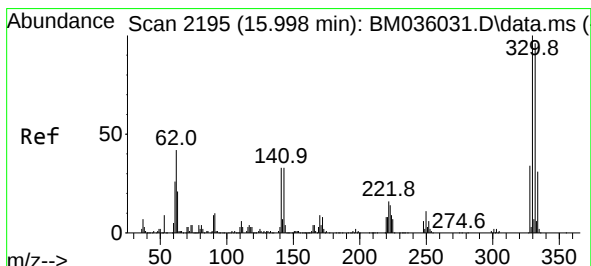
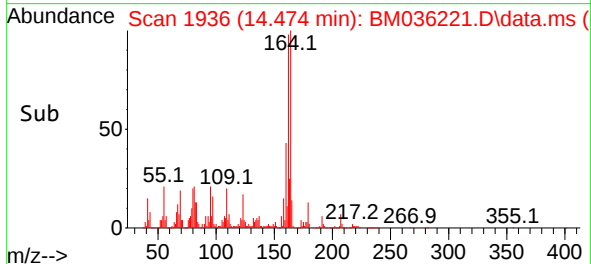
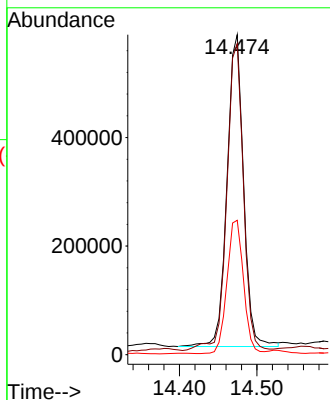
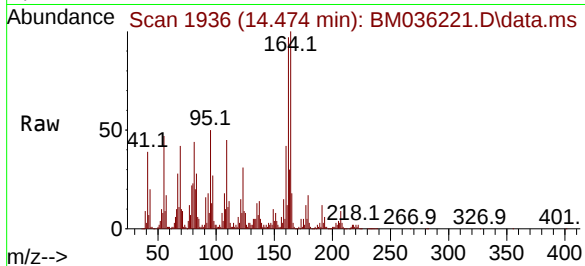




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1936
Delta R.T. -0.000 min
Lab File: BM036221.D
Acq: 11 Aug 2022 22:26

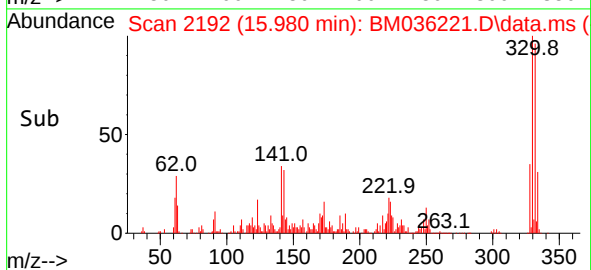
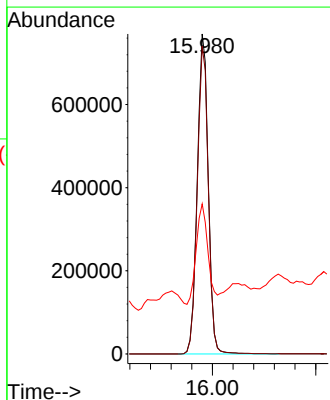
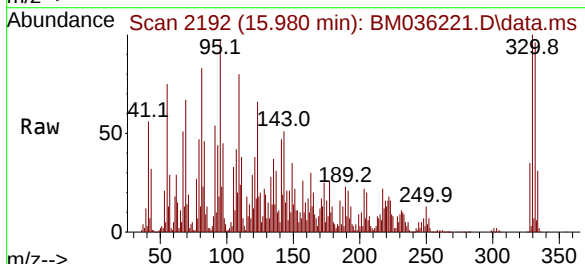
Instrument :
BNA_M
ClientSampleId :
RB-21204

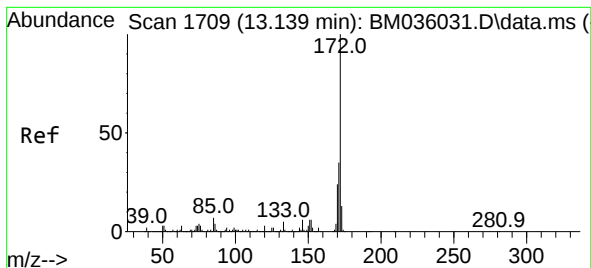
Tgt Ion:164 Resp: 853161
Ion Ratio Lower Upper
164 100
162 97.2 83.0 124.6
160 42.0 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 113.704 ng
RT: 15.980 min Scan# 2192
Delta R.T. 0.012 min
Lab File: BM036221.D
Acq: 11 Aug 2022 22:26

Tgt Ion:330 Resp: 1138029
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.4
141 33.4 35.3 52.9#





#45

2-Fluorobiphenyl

Concen: 74.119 ng

RT: 13.098 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM036221.D

Acq: 11 Aug 2022 22:26

Instrument :

BNA_M

ClientSampleId :

RB-21204

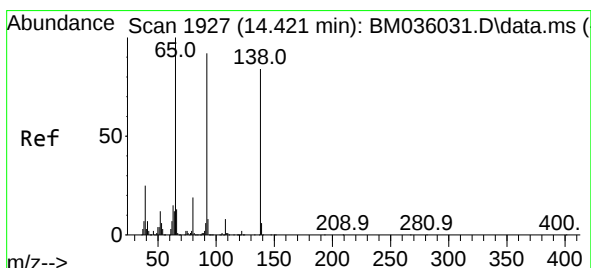
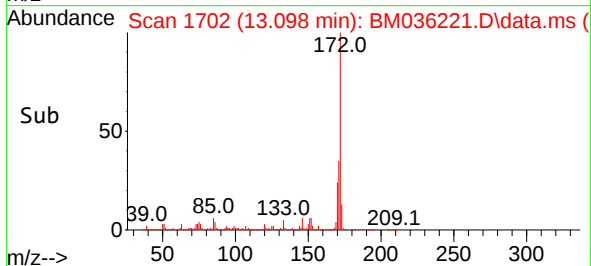
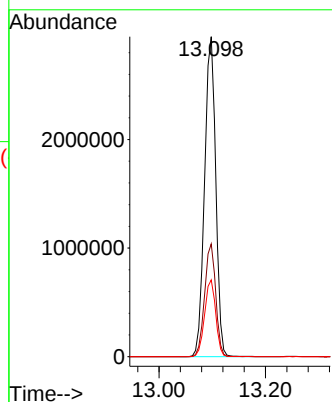
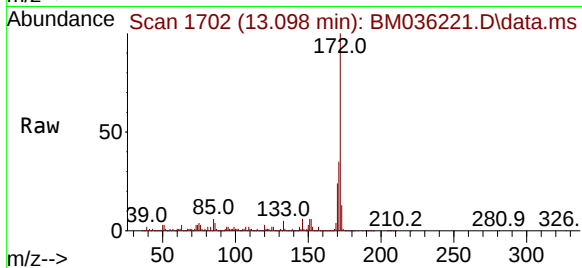
Tgt Ion:172 Resp: 4282894

Ion Ratio Lower Upper

172 100

171 35.3 28.5 42.7

170 24.0 18.7 28.1



#53

3-Nitroaniline

Concen: 6.773 ng

RT: 14.369 min Scan# 1918

Delta R.T. -0.029 min

Lab File: BM036221.D

Acq: 11 Aug 2022 22:26

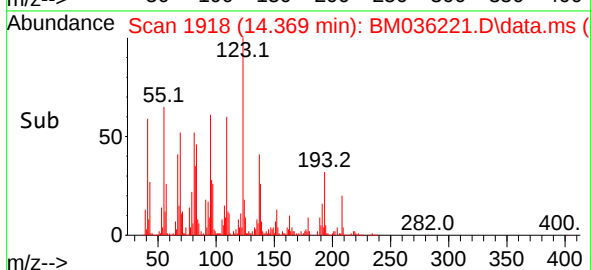
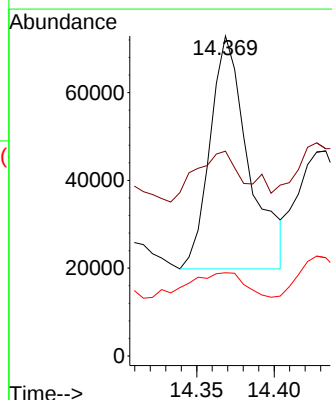
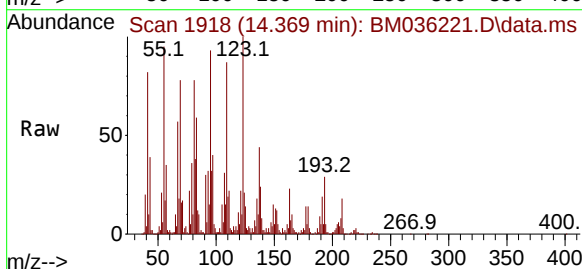
Tgt Ion:138 Resp: 91988

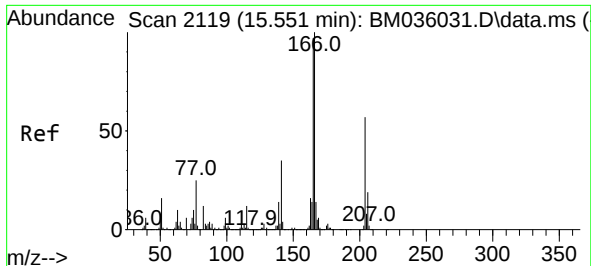
Ion Ratio Lower Upper

138 100

108 64.0 8.7 13.1#

92 26.0 91.5 137.3#

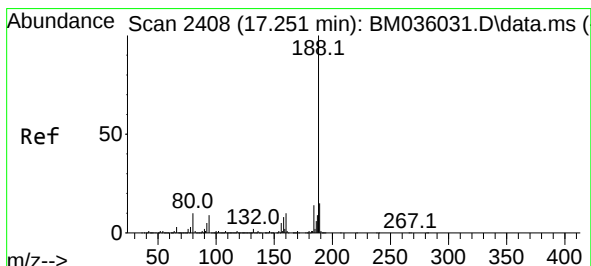
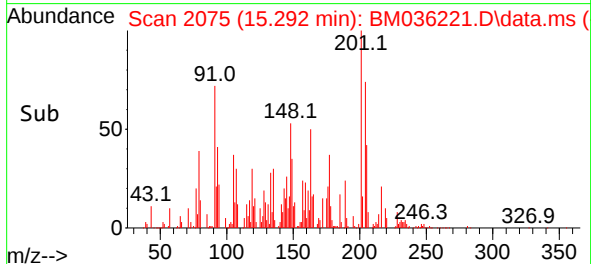
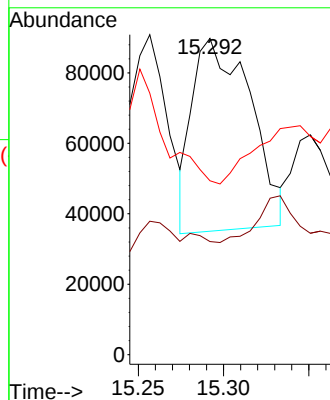
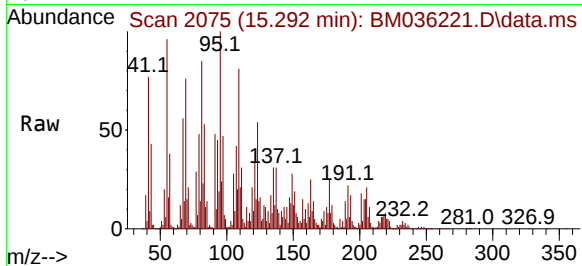




#61
4-Chlorophenyl-phenylether
Concen: 4.567 ng
RT: 15.292 min Scan# 20
Delta R.T. -0.224 min
Lab File: BM036221.D
Acq: 11 Aug 2022 22:26

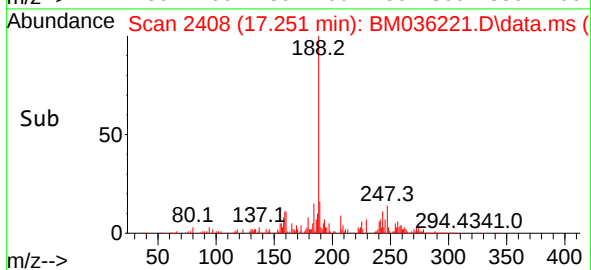
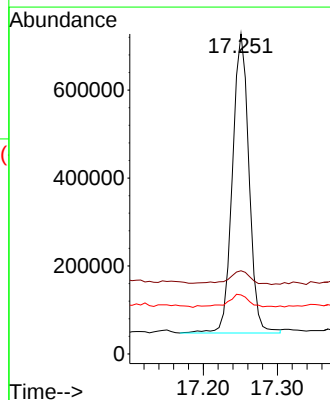
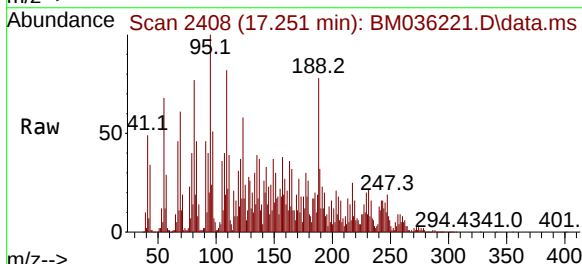
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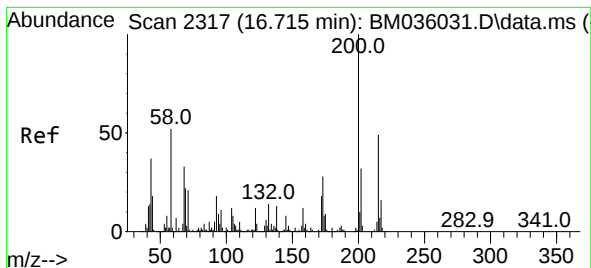
Tgt Ion:204 Resp: 129434
Ion Ratio Lower Upper
204 100
206 35.8 26.3 39.5
141 55.0 51.2 76.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2408
Delta R.T. 0.035 min
Lab File: BM036221.D
Acq: 11 Aug 2022 22:26

Tgt Ion:188 Resp: 1055984
Ion Ratio Lower Upper
188 100
94 26.0 7.0 10.4#
80 18.5 7.6 11.4#





#69

Atrazine

Concen: 2.140 ng

RT: 16.762 min Scan# 21

Delta R.T. 0.071 min

Lab File: BM036221.D

Acq: 11 Aug 2022 22:26

Instrument :

BNA_M

ClientSampleId :

RB-21204

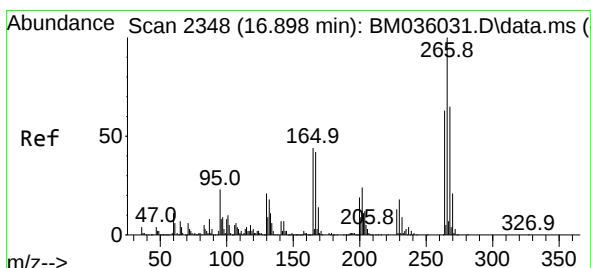
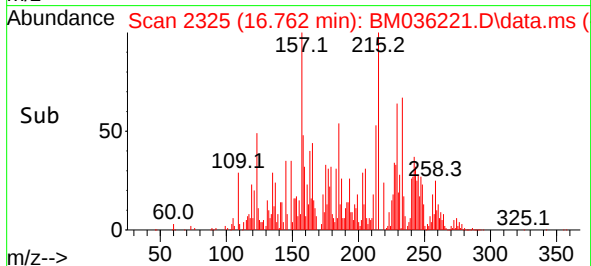
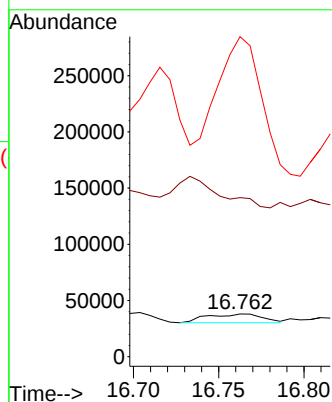
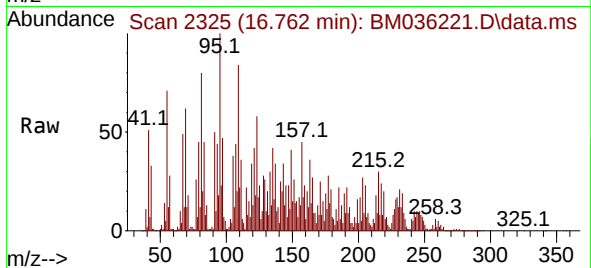
Tgt Ion:200 Resp: 17848

Ion Ratio Lower Upper

200 100

173 371.7 6.6 46.6#

215 747.6 26.2 66.2#



#70

Pentachlorophenol

Concen: 2.709 ng

RT: 16.957 min Scan# 2358

Delta R.T. 0.082 min

Lab File: BM036221.D

Acq: 11 Aug 2022 22:26

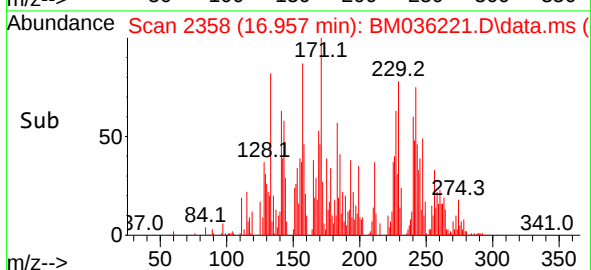
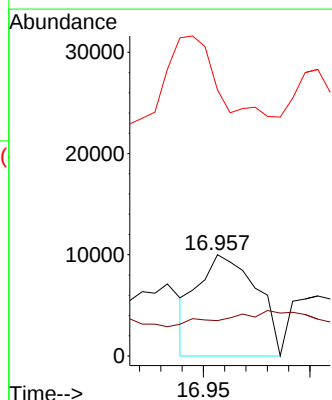
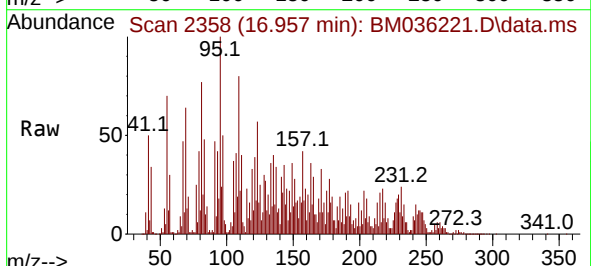
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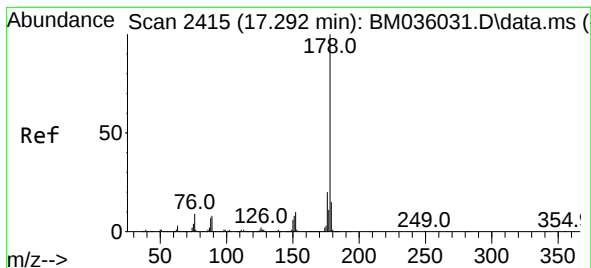
Ion Ratio Lower Upper

266 100

268 34.9 51.9 77.9#

264 263.0 50.6 76.0#





#71

Phenanthrene

Concen: 6.033 ng

RT: 17.292 min Scan# 2415

Delta R.T. 0.029 min

Lab File: BM036221.D

Acq: 11 Aug 2022 22:26

Instrument :

BNA_M

ClientSampleId :

RB-21204

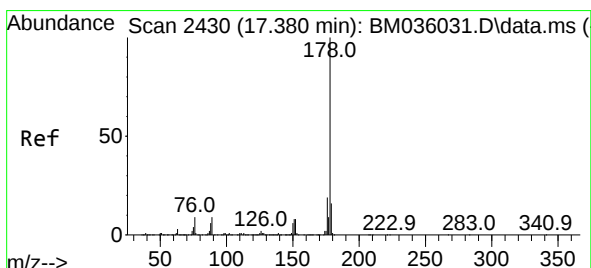
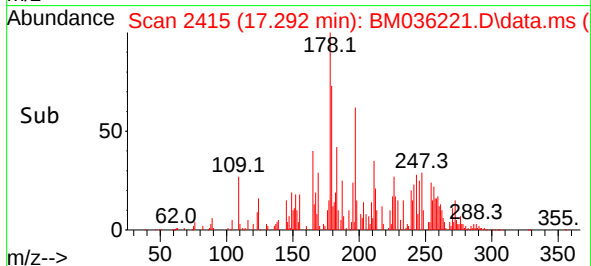
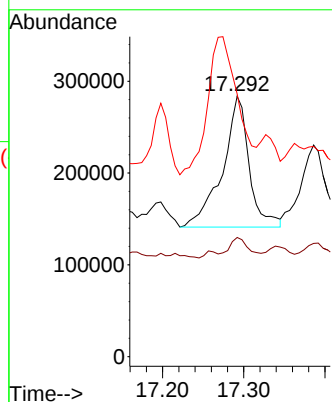
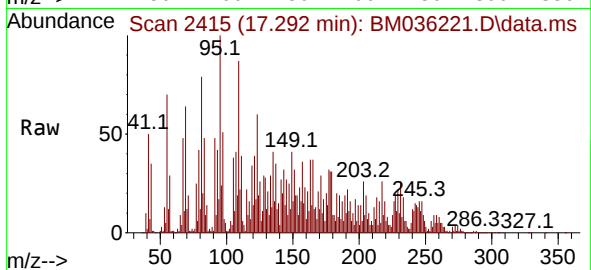
Tgt Ion:178 Resp: 324559

Ion Ratio Lower Upper

178 100

176 45.8 15.4 23.0#

179 100.9 12.4 18.6#



#72

Anthracene

Concen: 2.924 ng

RT: 17.386 min Scan# 2431

Delta R.T. 0.035 min

Lab File: BM036221.D

Acq: 11 Aug 2022 22:26

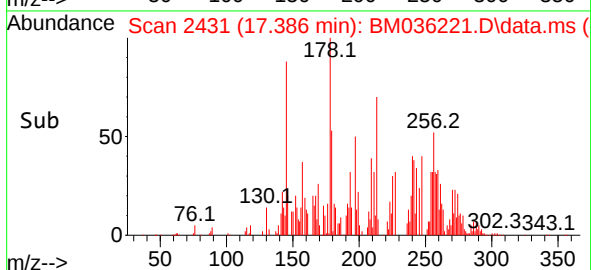
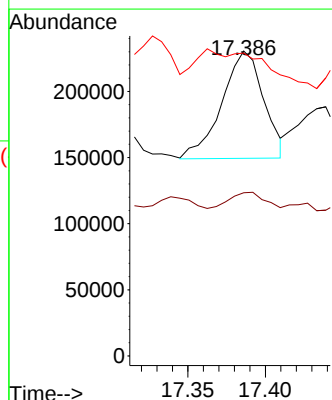
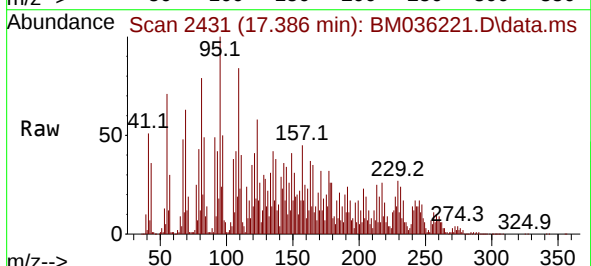
Tgt Ion:178 Resp: 152289

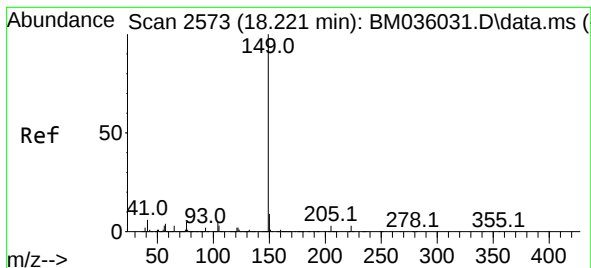
Ion Ratio Lower Upper

178 100

176 53.5 15.0 22.4#

179 99.3 12.2 18.2#





#74

Di-n-butylphthalate

Concen: 7.893 ng

RT: 18.209 min Scan# 2

Delta R.T. 0.024 min

Lab File: BM036221.D

Acq: 11 Aug 2022 22:26

Instrument :

BNA_M

ClientSampleId :

RB-21204

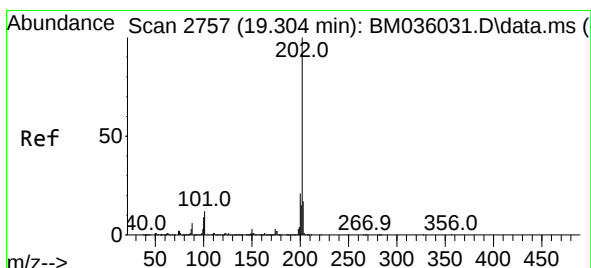
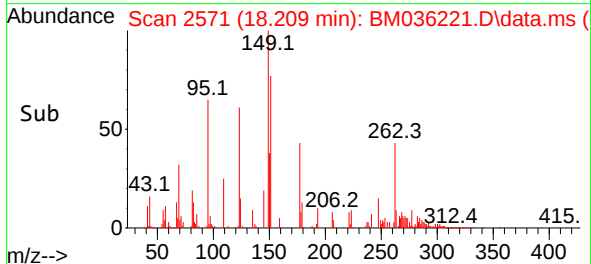
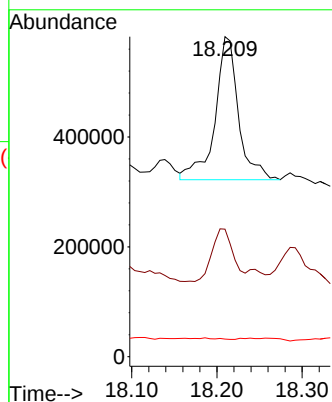
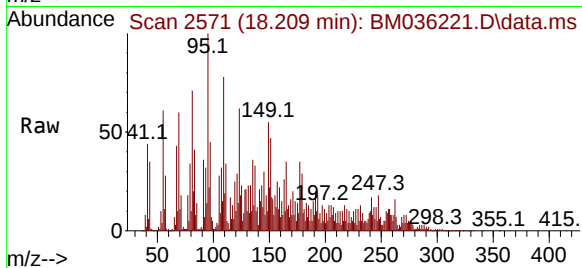
Tgt Ion:149 Resp: 497222

Ion Ratio Lower Upper

149 100

150 39.9 7.3 10.9#

104 5.5 4.3 6.5



#75

Fluoranthene

Concen: 8.490 ng

RT: 19.327 min Scan# 2761

Delta R.T. 0.053 min

Lab File: BM036221.D

Acq: 11 Aug 2022 22:26

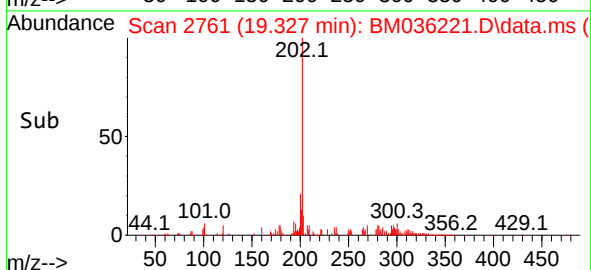
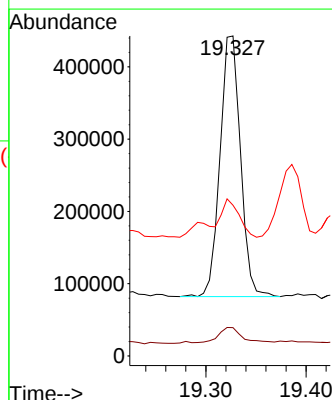
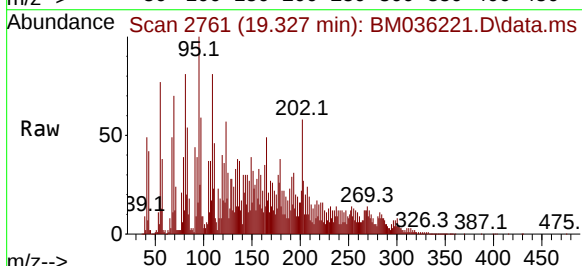
Tgt Ion:202 Resp: 511278

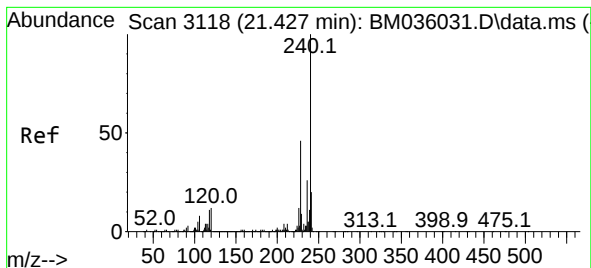
Ion Ratio Lower Upper

202 100

101 8.8 0.0 30.6

203 47.1 0.0 37.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.421 min Scan# 3118

Delta R.T. 0.024 min

Lab File: BM036221.D

Acq: 11 Aug 2022 22:26

Instrument :

BNA_M

ClientSampleId :

RB-21204

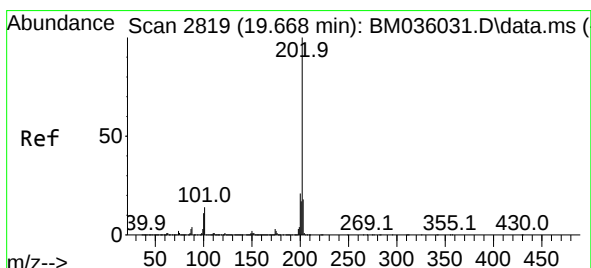
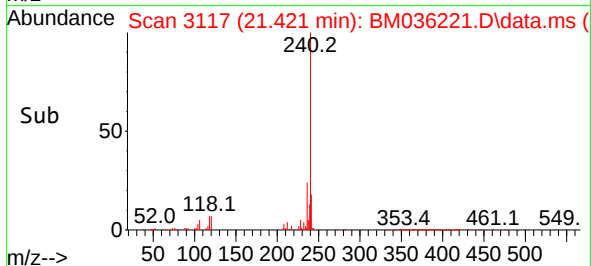
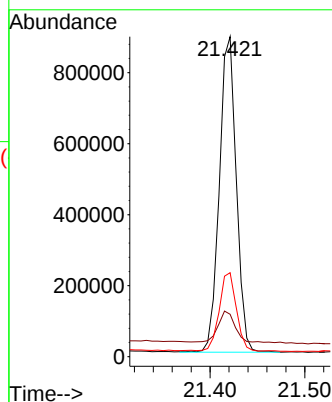
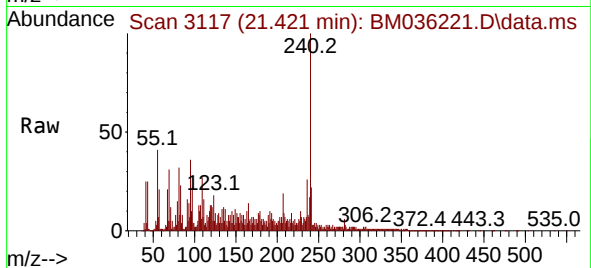
Tgt Ion:240 Resp: 1106405

Ion Ratio Lower Upper

240 100

120 13.3 9.4 14.0

236 26.2 20.6 30.8



#78

Pyrene

Concen: 8.175 ng

RT: 19.686 min Scan# 2822

Delta R.T. 0.047 min

Lab File: BM036221.D

Acq: 11 Aug 2022 22:26

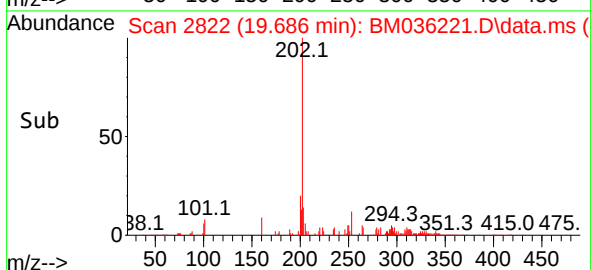
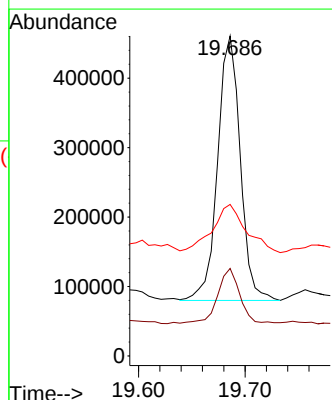
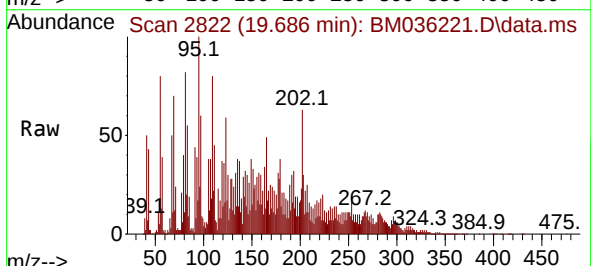
Tgt Ion:202 Resp: 560869

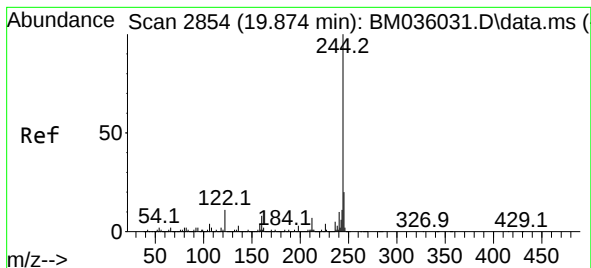
Ion Ratio Lower Upper

202 100

200 27.3 16.7 25.1#

203 47.4 13.9 20.9#





#79

Terphenyl-d14

Concen: 74.474 ng

RT: 19.880 min Scan# 2

Delta R.T. 0.035 min

Lab File: BM036221.D

Acq: 11 Aug 2022 22:26

Instrument :

BNA_M

ClientSampleId :

RB-21204

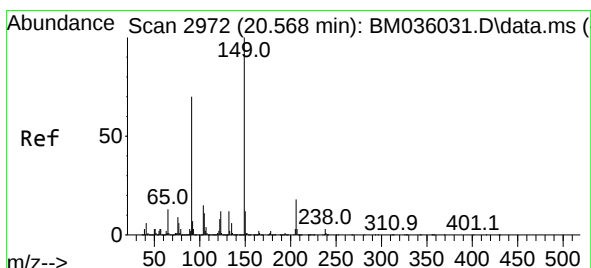
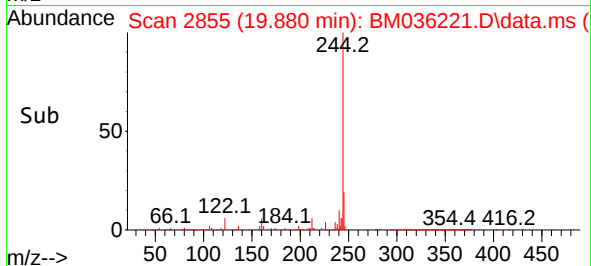
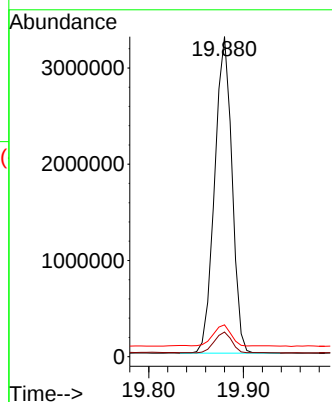
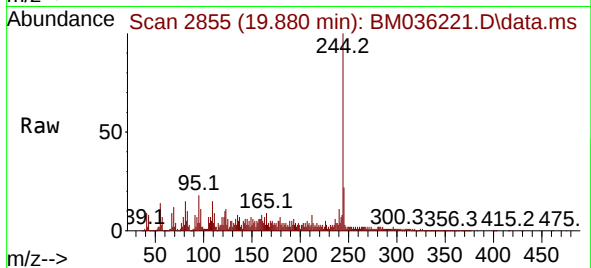
Tgt Ion:244 Resp: 4177487

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.4

122 10.0 8.3 12.5



#80

Butylbenzylphthalate

Concen: 2.568 ng

RT: 20.721 min Scan# 2998

Delta R.T. 0.182 min

Lab File: BM036221.D

Acq: 11 Aug 2022 22:26

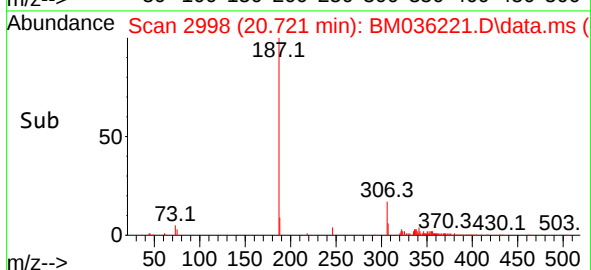
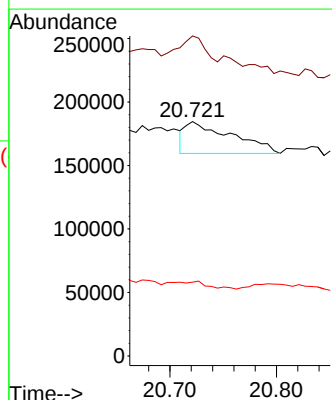
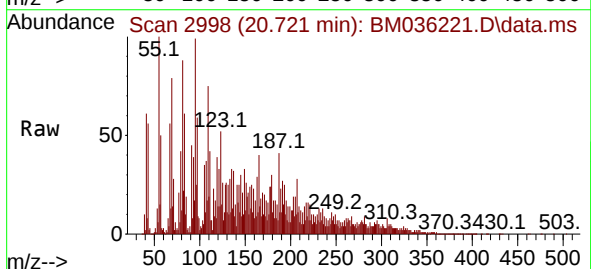
Tgt Ion:149 Resp: 76031

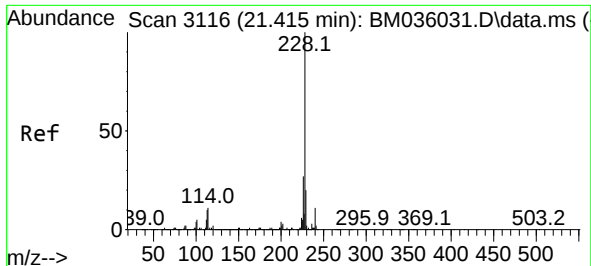
Ion Ratio Lower Upper

149 100

91 136.5 56.6 85.0#

206 31.4 15.4 23.0#

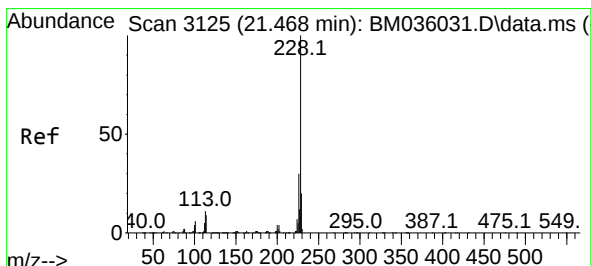
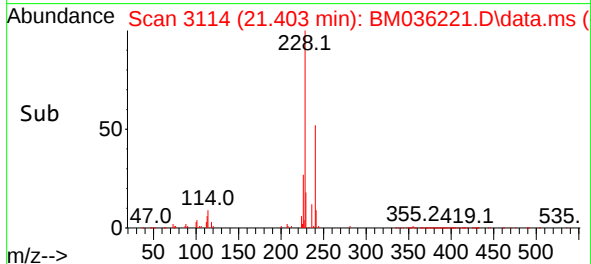
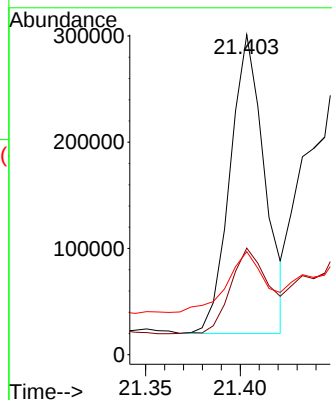
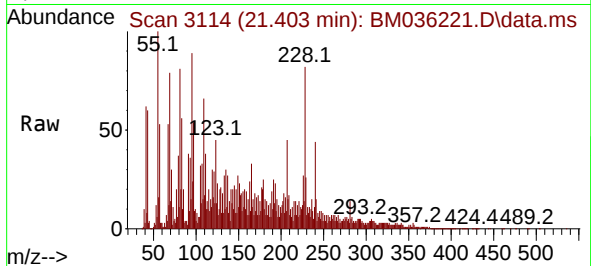




#81
Benzo(a)anthracene
Concen: 5.257 ng
RT: 21.403 min Scan# 3116
Delta R.T. 0.018 min
Lab File: BM036221.D
Acq: 11 Aug 2022 22:26

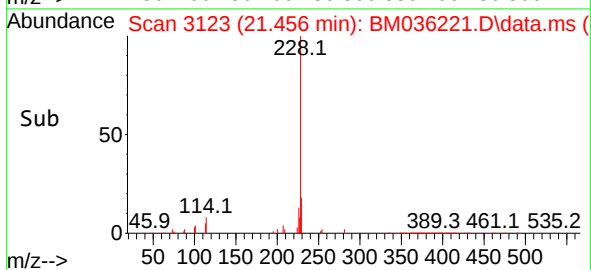
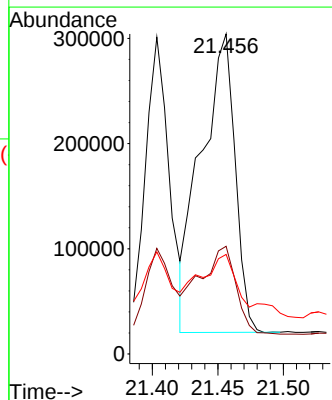
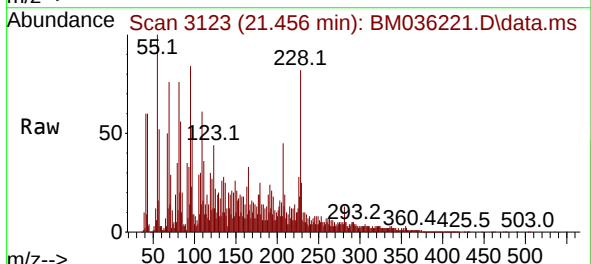
Instrument :
BNA_M
ClientSampleId :
RB-21204

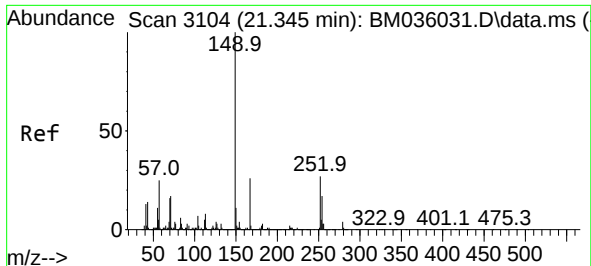
Tgt Ion:228 Resp: 358261
Ion Ratio Lower Upper
228 100
226 33.3 22.3 33.5
229 32.2 15.8 23.6#



#83
Chrysene
Concen: 7.903 ng
RT: 21.456 min Scan# 3123
Delta R.T. 0.018 min
Lab File: BM036221.D
Acq: 11 Aug 2022 22:26

Tgt Ion:228 Resp: 511991
Ion Ratio Lower Upper
228 100
226 33.7 24.4 36.6
229 31.1 15.8 23.8#

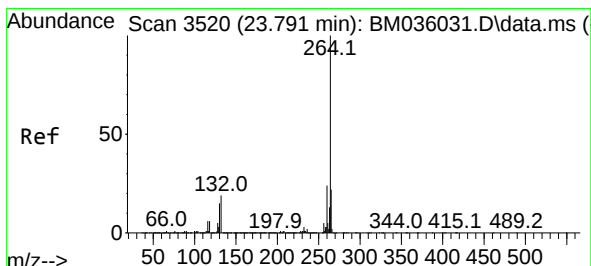
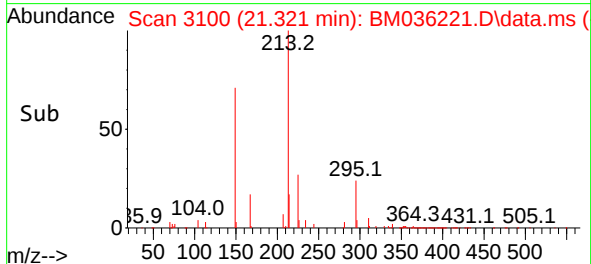
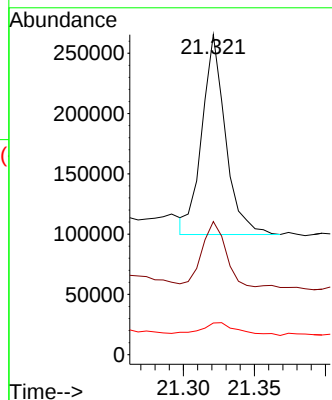
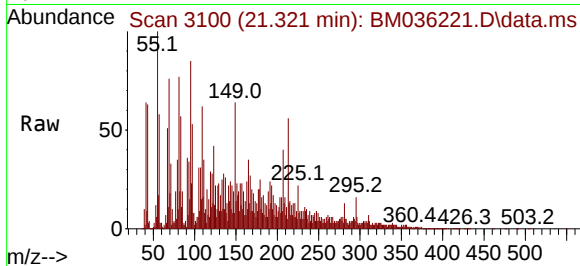




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.255 ng
RT: 21.321 min Scan# 3104
Delta R.T. 0.006 min
Lab File: BM036221.D
Acq: 11 Aug 2022 22:26

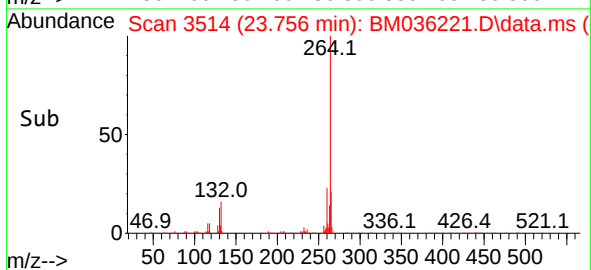
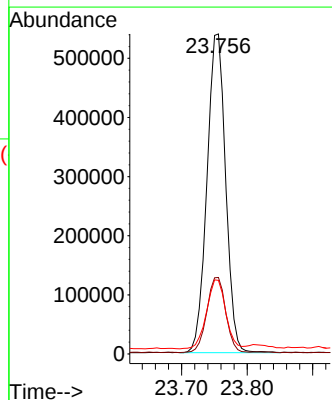
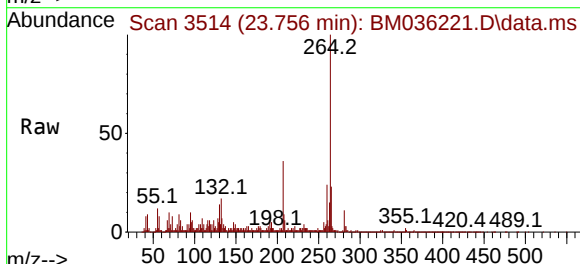
Instrument :
BNA_M
ClientSampleId :
RB-21204

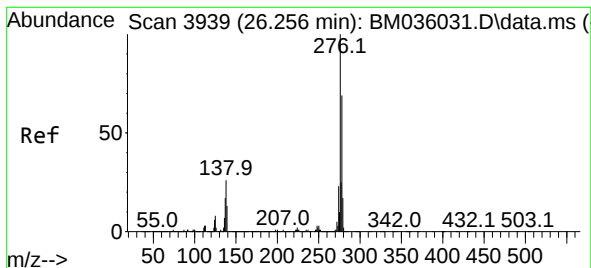
Tgt Ion:149 Resp: 190078
Ion Ratio Lower Upper
149 100
167 41.6 21.1 31.7#
279 9.9 2.8 4.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.756 min Scan# 3514
Delta R.T. 0.012 min
Lab File: BM036221.D
Acq: 11 Aug 2022 22:26

Tgt Ion:264 Resp: 1067914
Ion Ratio Lower Upper
264 100
260 23.9 18.9 28.3
265 23.0 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.463 ng

RT: 26.180 min Scan# 3939

Delta R.T. -0.012 min

Lab File: BM036221.D

Acq: 11 Aug 2022 22:26

Instrument :

BNA_M

ClientSampleId :

RB-21204

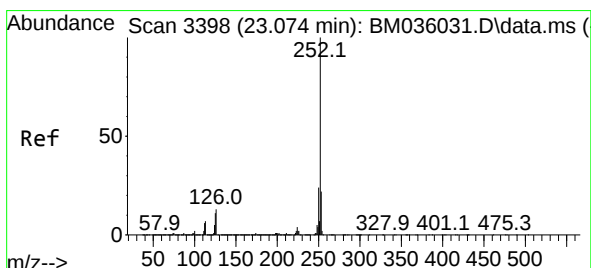
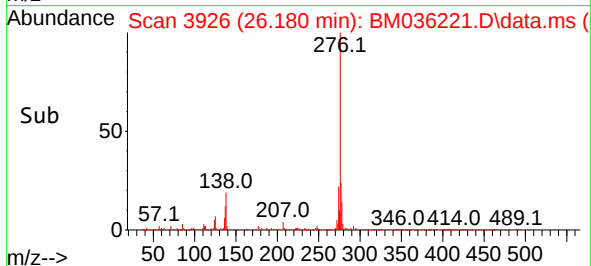
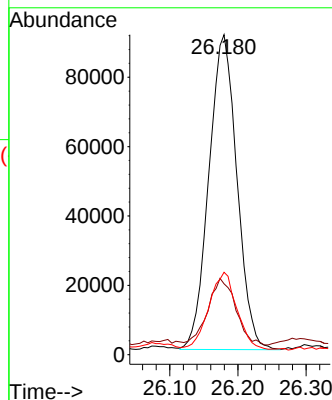
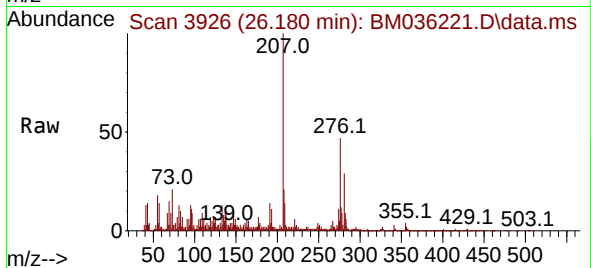
Tgt Ion:276 Resp: 259920

Ion Ratio Lower Upper

276 100

138 20.9 20.2 30.4

277 24.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 11.515 ng

RT: 23.044 min Scan# 3393

Delta R.T. 0.012 min

Lab File: BM036221.D

Acq: 11 Aug 2022 22:26

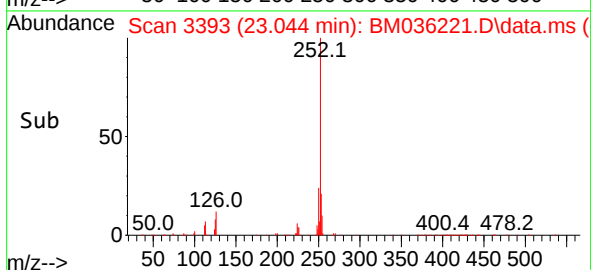
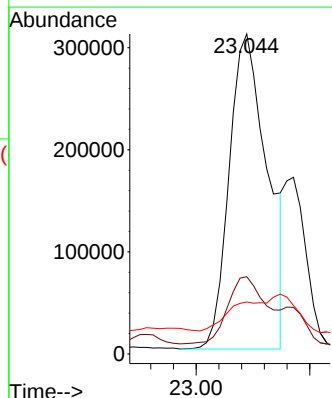
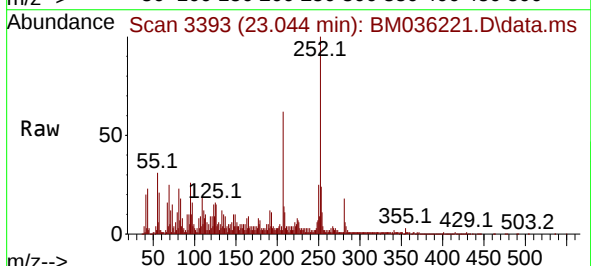
Tgt Ion:252 Resp: 720465

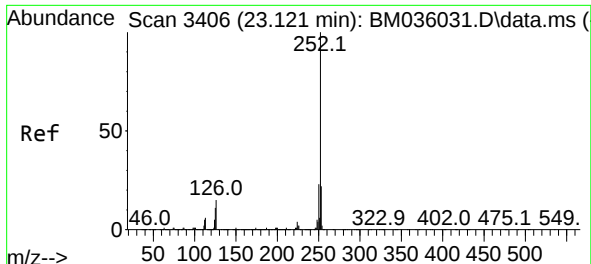
Ion Ratio Lower Upper

252 100

253 24.2 17.6 26.4

125 16.2 7.6 11.4#

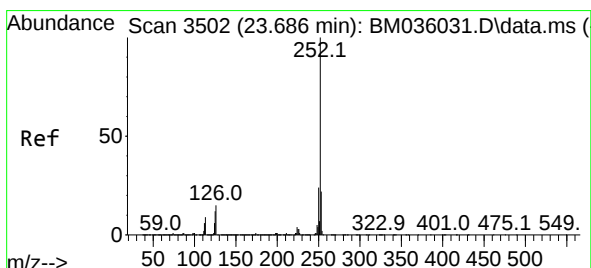
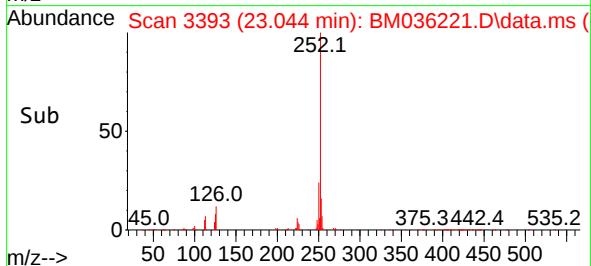
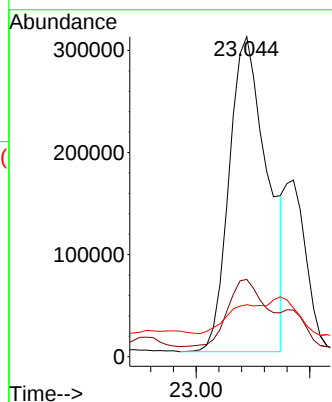
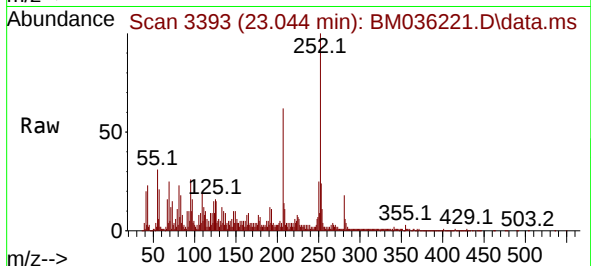




#89
Benzo(k)fluoranthene
Concen: 11.401 ng
RT: 23.044 min Scan# 31
Delta R.T. -0.035 min
Lab File: BM036221.D
Acq: 11 Aug 2022 22:26

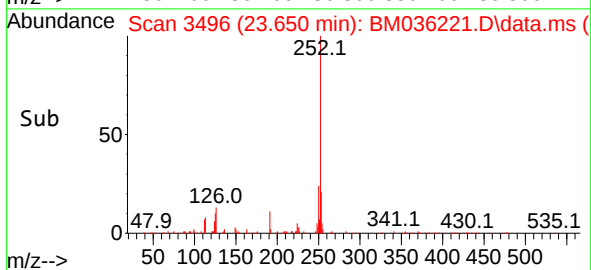
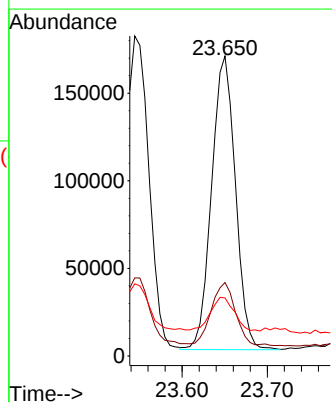
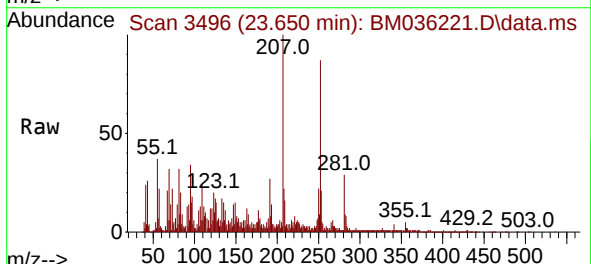
Instrument :
BNA_M
ClientSampleId :
RB-21204

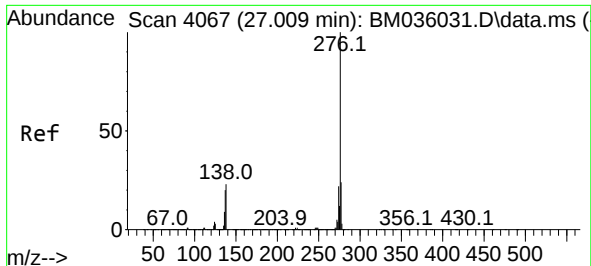
Tgt Ion:252 Resp: 720465
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 16.2 7.6 11.4#



#90
Benzo(a)pyrene
Concen: 6.208 ng
RT: 23.650 min Scan# 3496
Delta R.T. 0.006 min
Lab File: BM036221.D
Acq: 11 Aug 2022 22:26

Tgt Ion:252 Resp: 325882
Ion Ratio Lower Upper
252 100
253 24.5 17.2 25.8
125 19.4 8.7 13.1#





#92
Benzo(g,h,i)perylene
Concen: 3.979 ng
RT: 26.927 min Scan# 40
Delta R.T. -0.018 min
Lab File: BM036221.D
Acq: 11 Aug 2022 22:26

Instrument :
BNA_M
ClientSampleId :
RB-21204

Tgt Ion:276 Resp: 241966
Ion Ratio Lower Upper
276 100
277 25.9 18.7 28.1
138 24.8 17.6 26.4

