

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
 Data File : BM049997.D
 Acq On : 22 Apr 2025 15:49
 Operator : RC/JU
 Sample : Q1848-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RBR200027

Quant Time: Apr 22 16:30:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

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

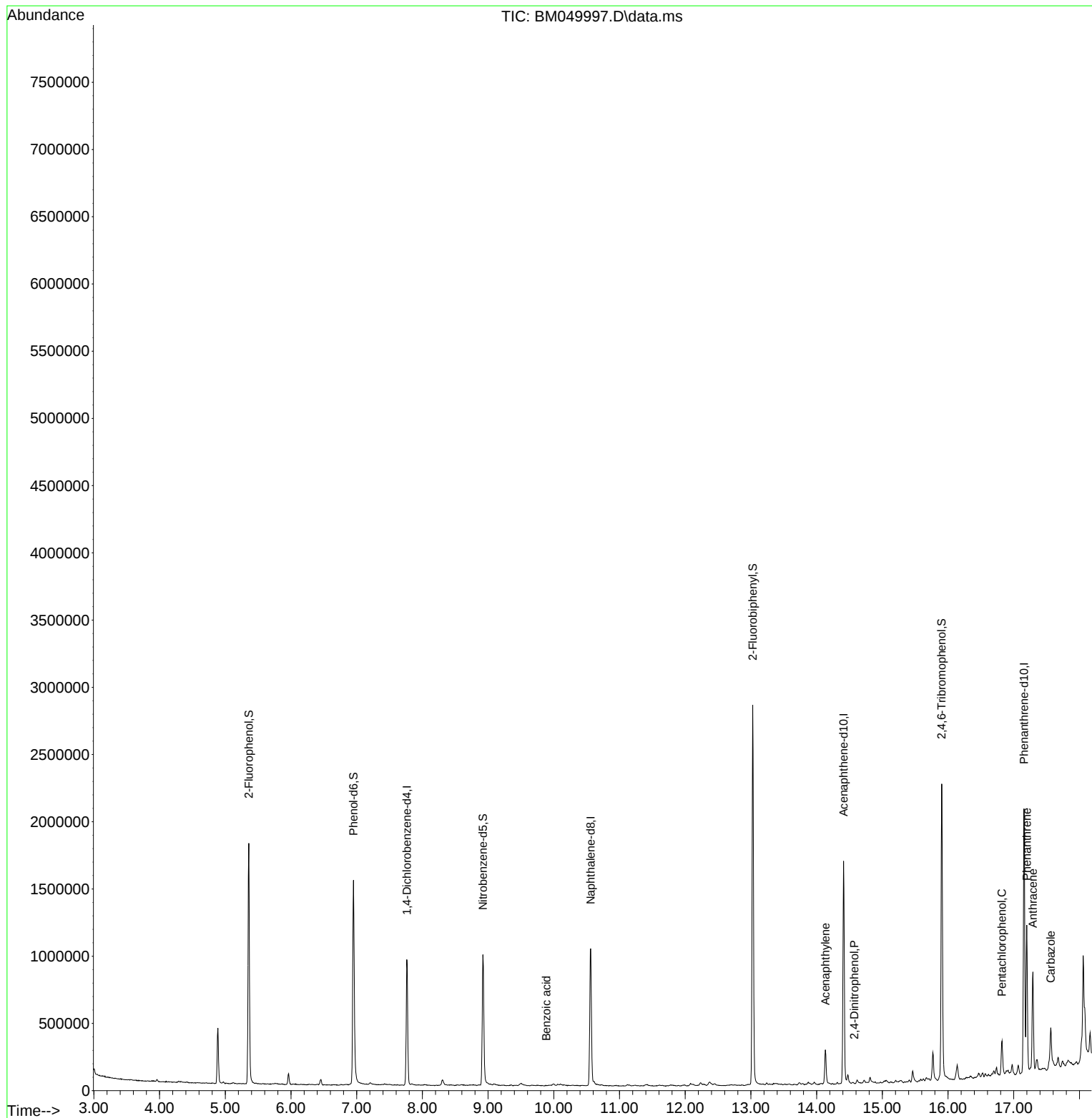
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	275172	20.000	ng	-0.02
21) Naphthalene-d8	10.563	136	940980	20.000	ng	-0.01
39) Acenaphthene-d10	14.410	164	617333	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1219127	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1165237	20.000	ng	0.00
86) Perylene-d12	24.403	264	1223366	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	826425	50.998	ng	0.00
7) Phenol-d6	6.951	99	1012623	50.225	ng	0.00
23) Nitrobenzene-d5	8.922	82	605667	35.842	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	477345	53.160	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	1594903	35.033	ng	-0.02
79) Terphenyl-d14	19.780	244	2278039	36.638	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.886	122	1490	8.639	ng	# 57
49) Acenaphthylene	14.133	152	212555	4.046	ng	99
54) 2,4-Dinitrophenol	14.574	184	58	7.233	ng	# 1
70) Pentachlorophenol	16.821	266	35716	2.988	ng	99
71) Phenanthrene	17.198	178	678205	10.147	ng	100
72) Anthracene	17.292	178	521563	7.918	ng	99
73) Carbazole	17.562	167	210678	3.396	ng	99
75) Fluoranthene	19.215	202	3262235	39.696	ng	99
78) Pyrene	19.580	202	3633078	45.240	ng	99
81) Benzo(a)anthracene	21.380	228	1216978	15.715	ng	97
83) Chrysene	21.445	228	1982334	26.925	ng	98
87) Indeno(1,2,3-cd)pyrene	27.797	276	642185	7.042	ng	96
88) Benzo(b)fluoranthene	23.456	252	2325152	29.759	ng	98
89) Benzo(k)fluoranthene	23.456	252	2325152	30.709	ng	98
90) Benzo(a)pyrene	24.262	252	864678	12.594	ng	96
91) Dibenzo(a,h)anthracene	27.844	278	164561	2.191	ng	# 88
92) Benzo(g,h,i)perylene	28.856	276	576339	7.509	ng	99

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

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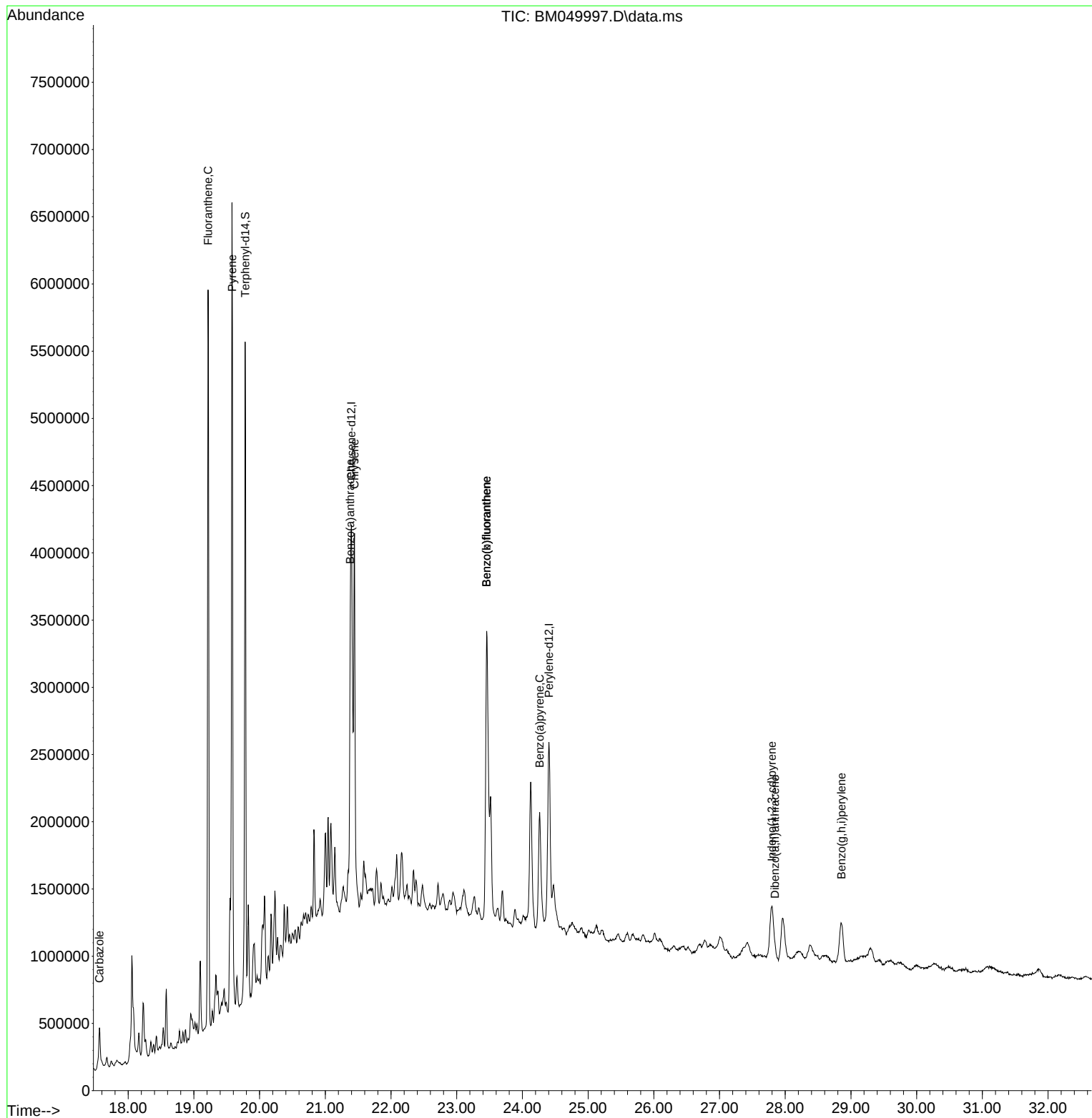
Quant Time: Apr 22 16:30:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
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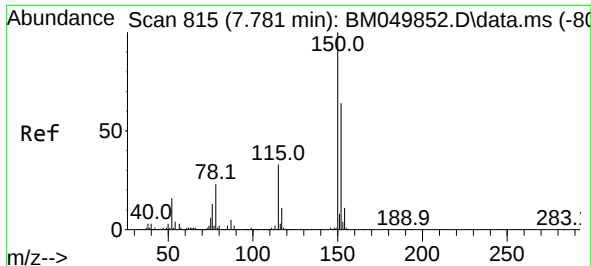


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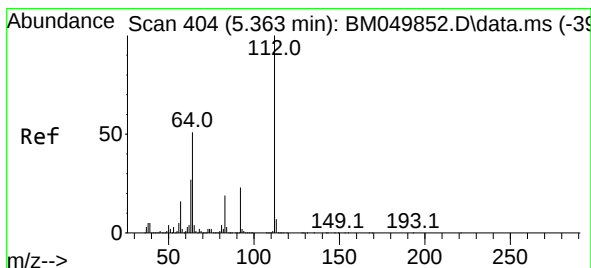
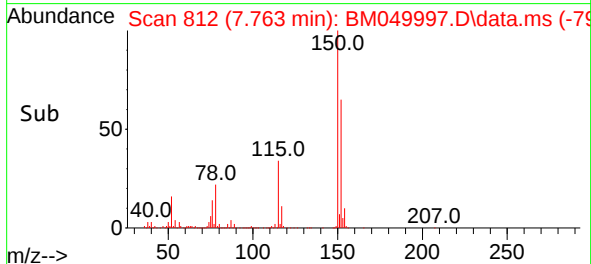
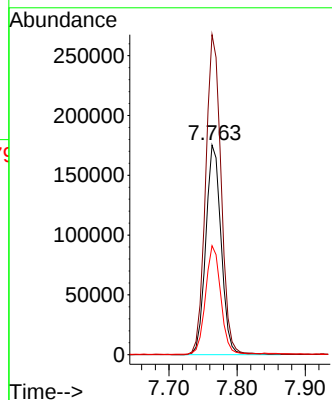
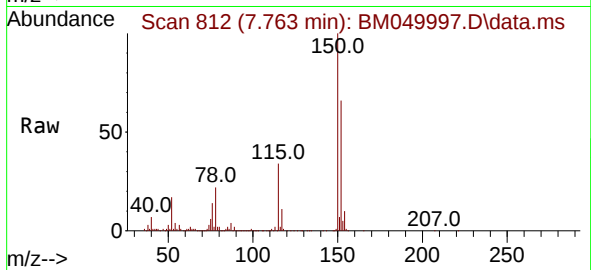




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM049997.D
Acq: 22 Apr 2025 15:49

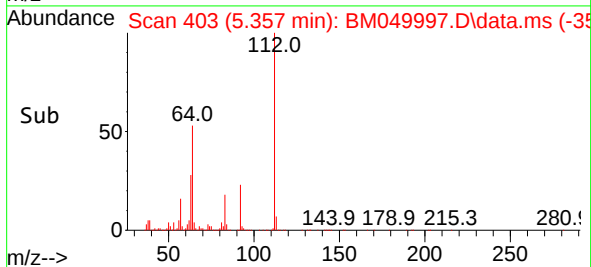
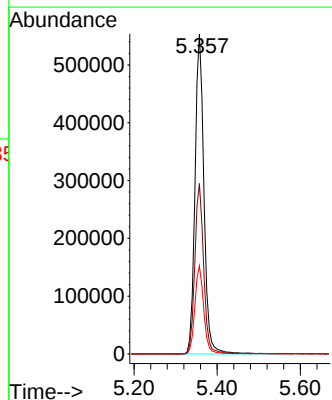
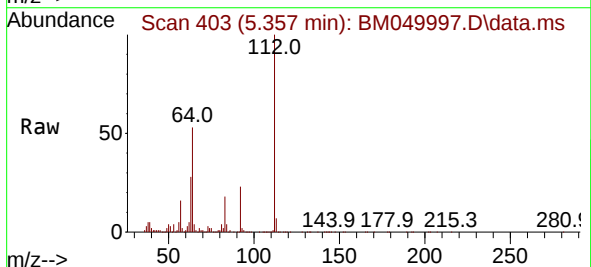
Instrument :
BNA_M
ClientSampleId :
RBR200027

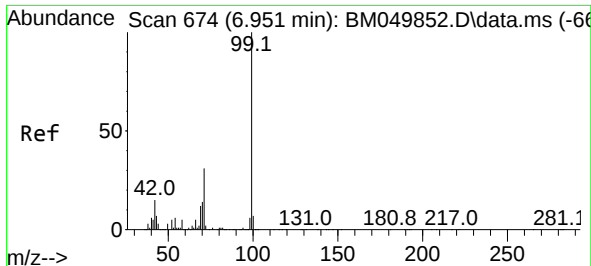
Tgt Ion:152 Resp: 275172
Ion Ratio Lower Upper
152 100
150 152.6 124.3 186.5
115 52.0 41.1 61.7



#5
2-Fluorophenol
Concen: 50.998 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049997.D
Acq: 22 Apr 2025 15:49

Tgt Ion:112 Resp: 826425
Ion Ratio Lower Upper
112 100
64 53.2 41.0 61.6
63 27.5 21.5 32.3



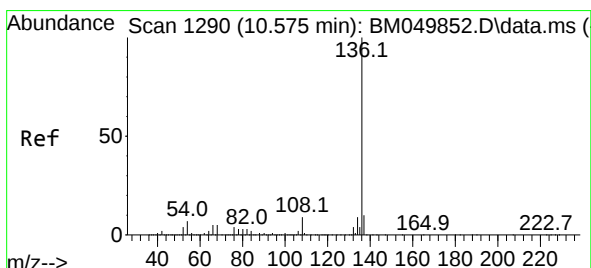
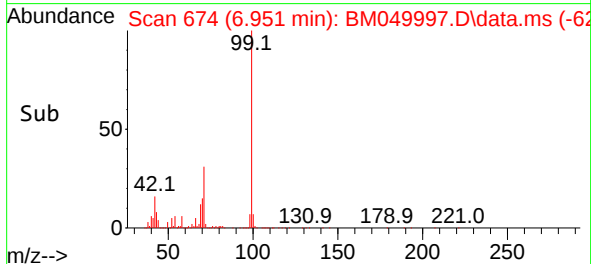
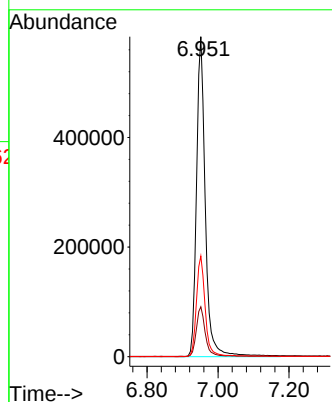
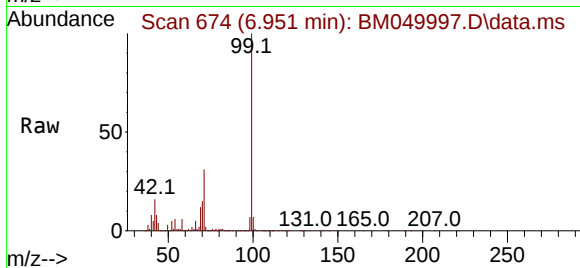


#7
Phenol-d6
Concen: 50.225 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049997.D
Acq: 22 Apr 2025 15:49

Instrument :
BNA_M
ClientSampleId :
RBR200027

Tgt Ion: 99 Resp: 1012623

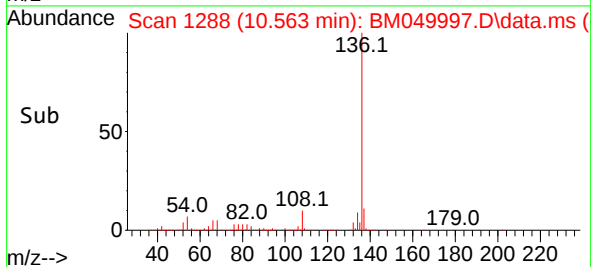
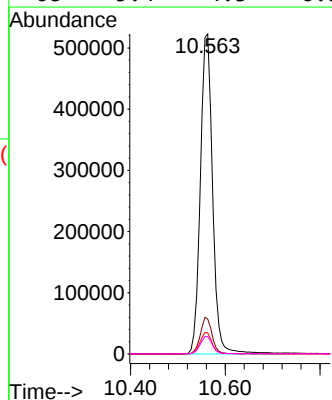
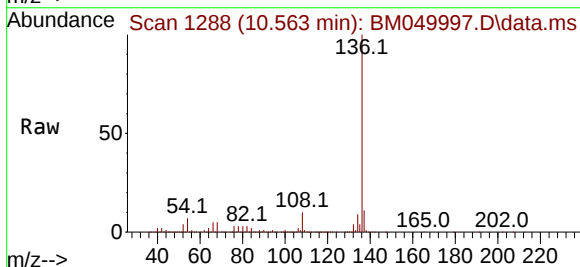
Ion	Ratio	Lower	Upper
99	100		
42	15.6	12.1	18.1
71	31.4	24.9	37.3

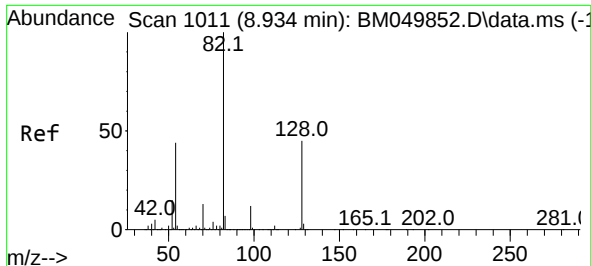


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BM049997.D
Acq: 22 Apr 2025 15:49

Tgt Ion: 136 Resp: 940980

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	6.6	5.3	7.9
68	5.4	4.3	6.5

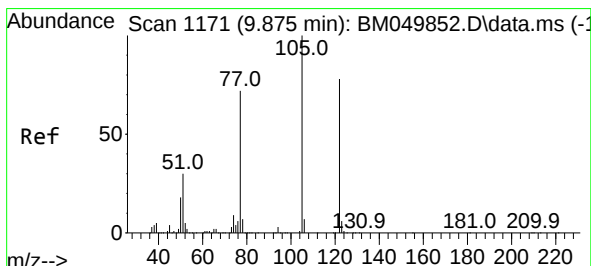
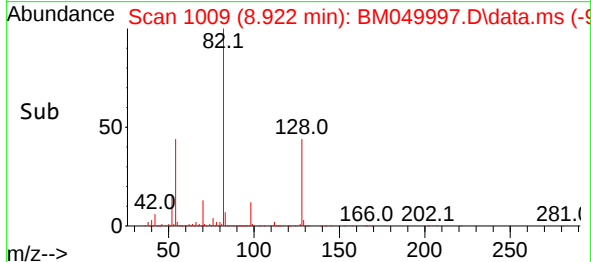
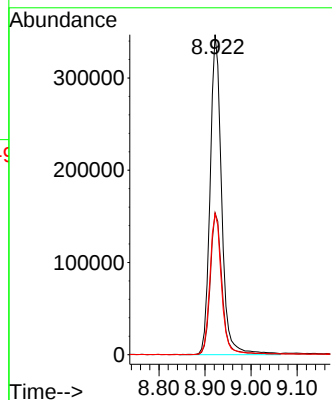
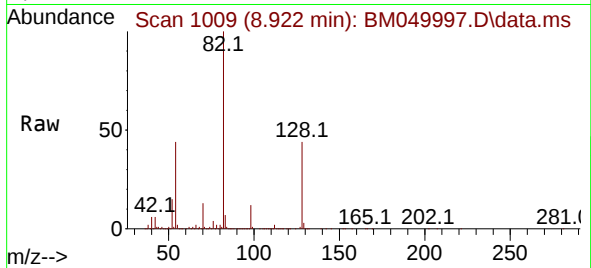




#23
Nitrobenzene-d5
Concen: 35.842 ng
RT: 8.922 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BM049997.D
Acq: 22 Apr 2025 15:49

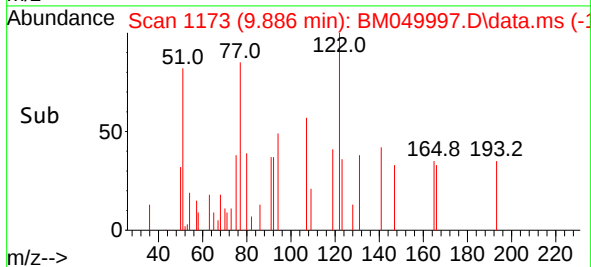
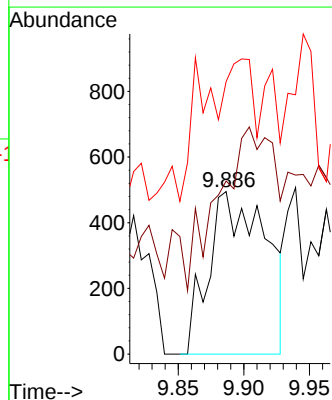
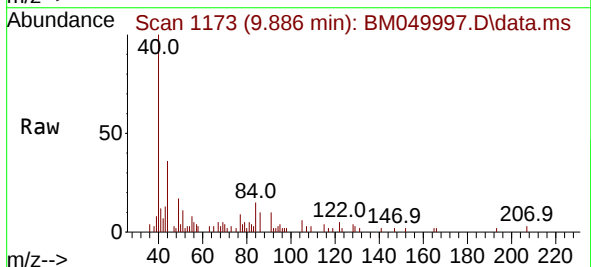
Instrument :
BNA_M
ClientSampleId :
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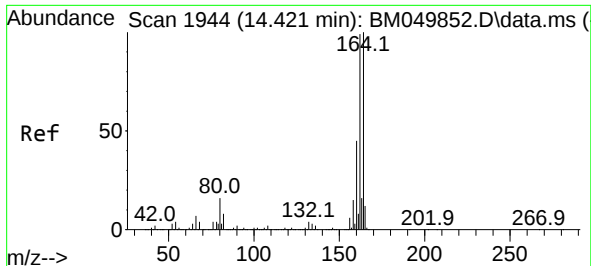
Tgt Ion: 82 Resp: 605667
Ion Ratio Lower Upper
82 100
128 44.4 36.2 54.2
54 43.9 35.0 52.6



#32
Benzoic acid
Concen: 8.639 ng
RT: 9.886 min Scan# 1173
Delta R.T. 0.011 min
Lab File: BM049997.D
Acq: 22 Apr 2025 15:49

Tgt Ion:122 Resp: 1490
Ion Ratio Lower Upper
122 100
105 106.5 103.8 143.8
77 167.7 70.7 110.7#

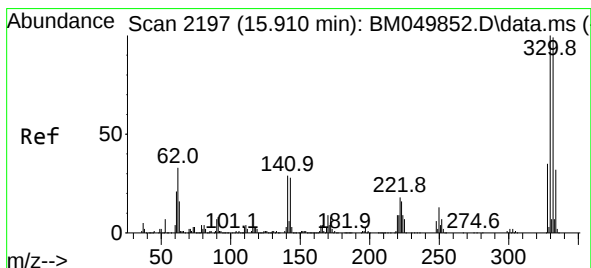
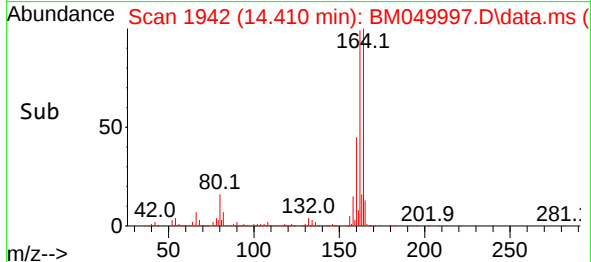
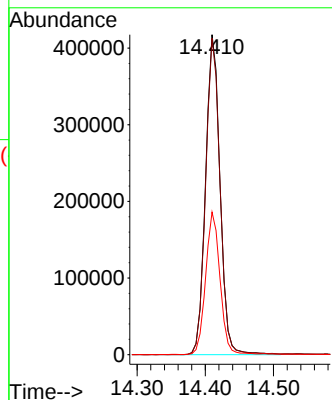
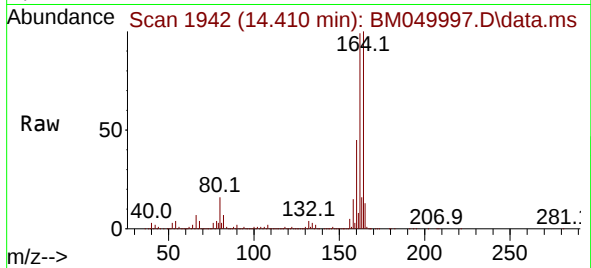




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM049997.D
Acq: 22 Apr 2025 15:49

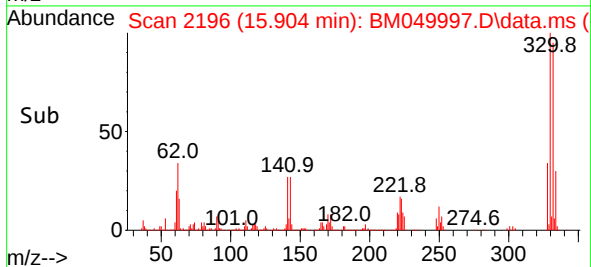
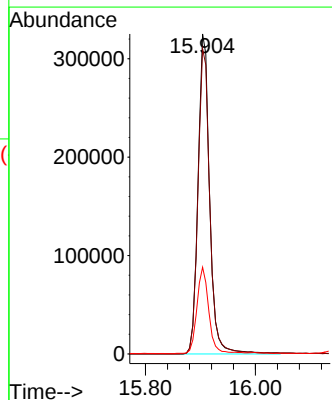
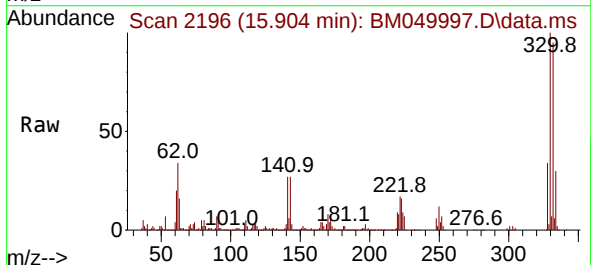
Instrument :
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ClientSampleId :
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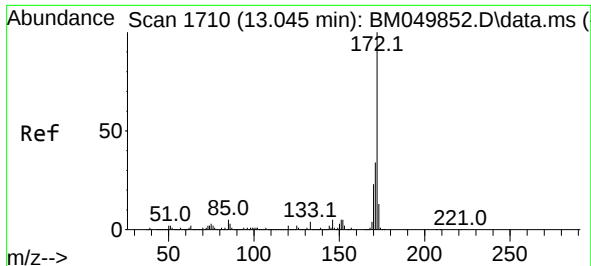
Tgt Ion:164 Resp: 617333
Ion Ratio Lower Upper
164 100
162 98.9 79.4 119.0
160 44.5 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 53.160 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM049997.D
Acq: 22 Apr 2025 15:49

Tgt Ion:330 Resp: 477345
Ion Ratio Lower Upper
330 100
332 96.8 78.0 117.0
141 27.5 23.5 35.3

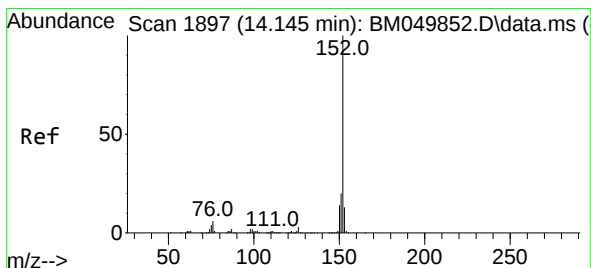
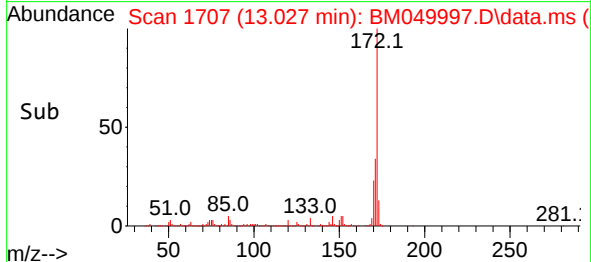
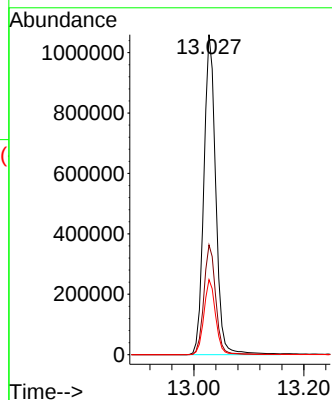
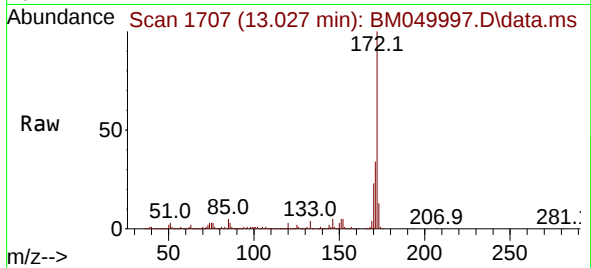




#45
2-Fluorobiphenyl
Concen: 35.033 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.018 min
Lab File: BM049997.D
Acq: 22 Apr 2025 15:49

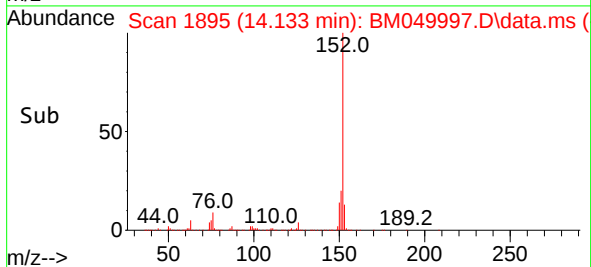
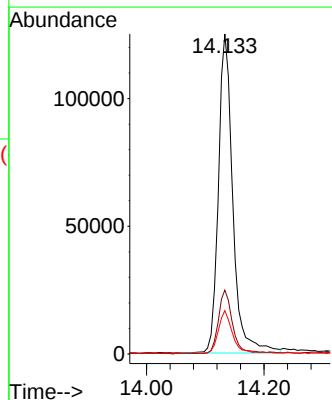
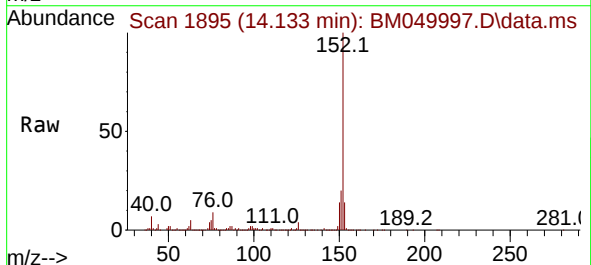
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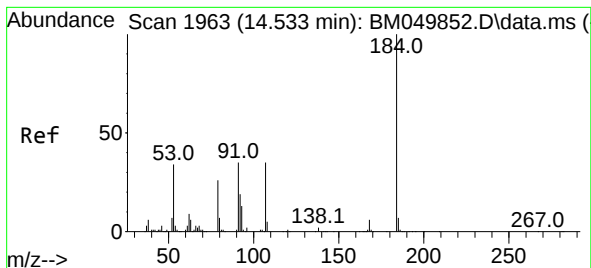
Tgt Ion:172 Resp: 1594903
Ion Ratio Lower Upper
172 100
171 34.3 27.4 41.2
170 23.5 18.6 28.0



#49
Acenaphthylene
Concen: 4.046 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.012 min
Lab File: BM049997.D
Acq: 22 Apr 2025 15:49

Tgt Ion:152 Resp: 212555
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 13.6 10.4 15.6

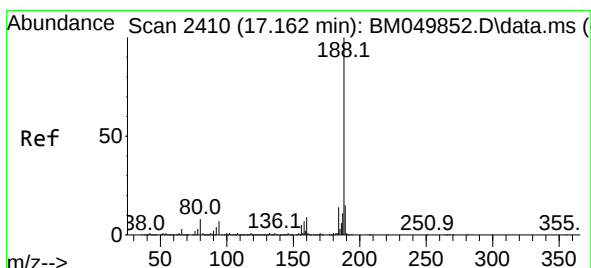
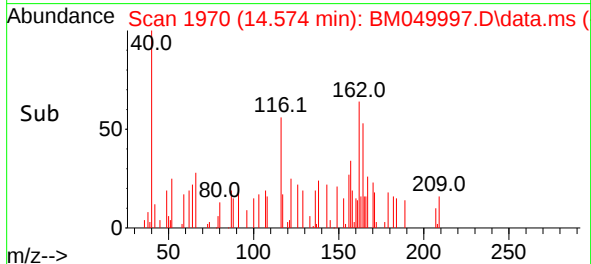
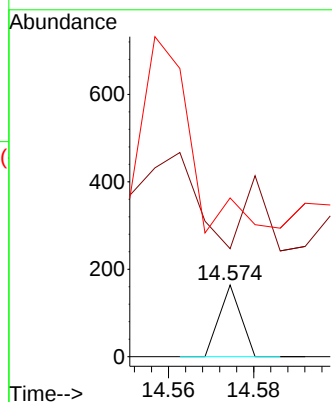
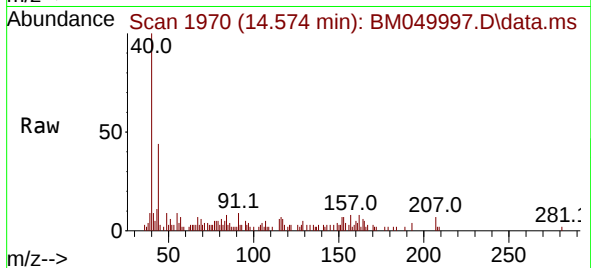




#54
2,4-Dinitrophenol
Concen: 7.233 ng
RT: 14.574 min Scan# 14
Delta R.T. 0.041 min
Lab File: BM049997.D
Acq: 22 Apr 2025 15:49

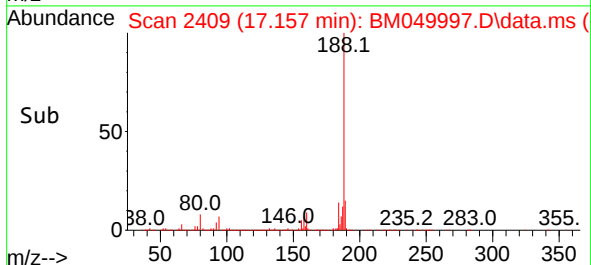
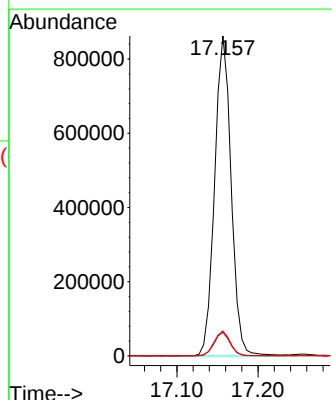
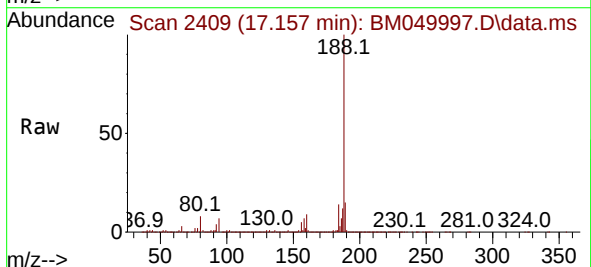
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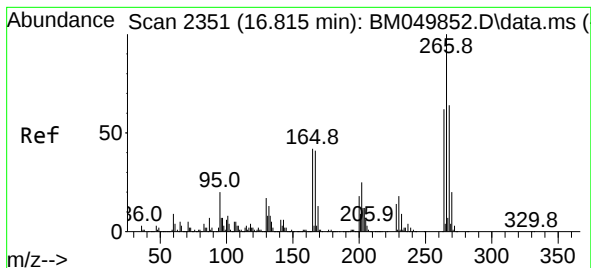
Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 150.6 38.4 57.6#
154 221.3 48.1 72.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM049997.D
Acq: 22 Apr 2025 15:49

Tgt Ion:188 Resp: 1219127
Ion Ratio Lower Upper
188 100
94 7.4 5.8 8.6
80 7.8 6.4 9.6





#70

Pentachlorophenol

Concen: 2.988 ng

RT: 16.821 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM049997.D

Acq: 22 Apr 2025 15:49

Instrument :

BNA_M

ClientSampleId :

RBR200027

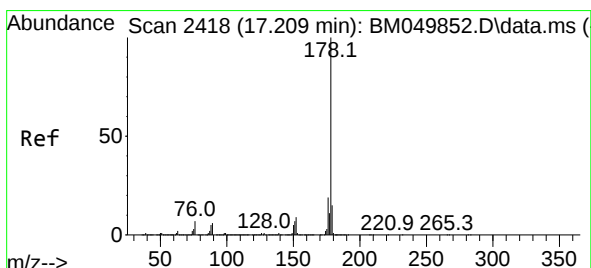
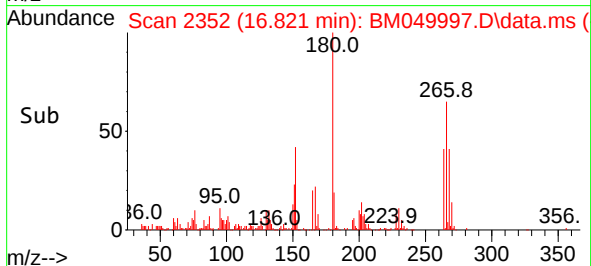
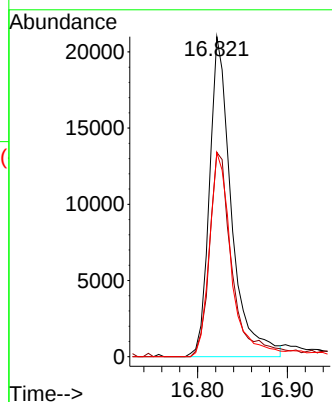
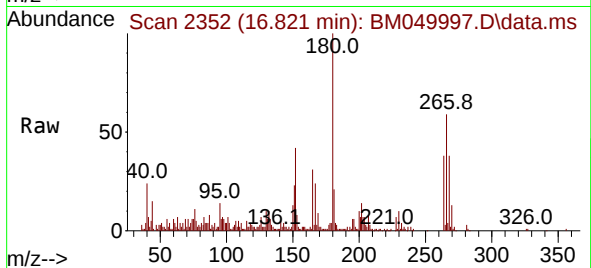
Tgt Ion:266 Resp: 35716

Ion Ratio Lower Upper

266 100

268 63.8 51.4 77.2

264 63.8 49.8 74.8



#71

Phenanthrene

Concen: 10.147 ng

RT: 17.198 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM049997.D

Acq: 22 Apr 2025 15:49

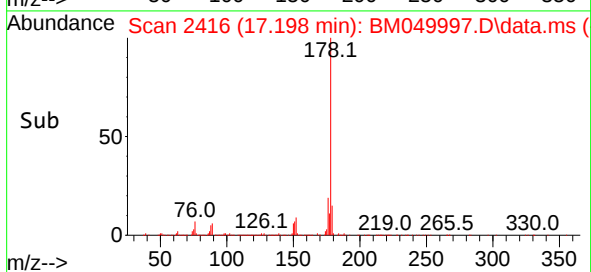
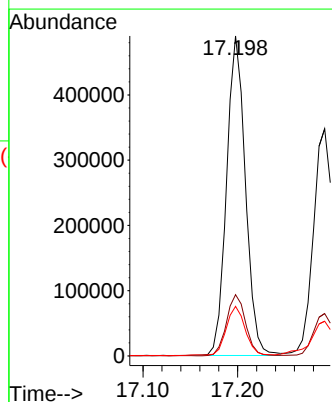
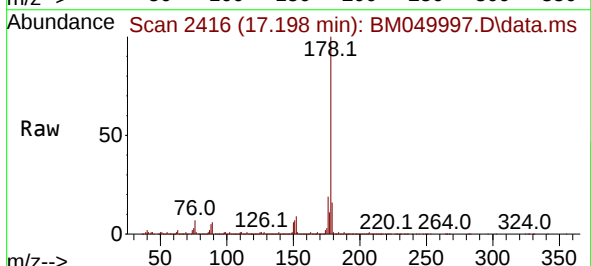
Tgt Ion:178 Resp: 678205

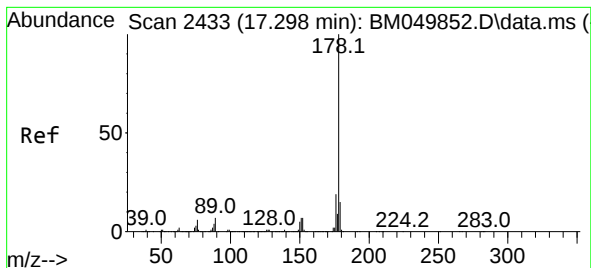
Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 15.5 12.3 18.5





#72

Anthracene

Concen: 7.918 ng

RT: 17.292 min Scan# 2433

Delta R.T. -0.006 min

Lab File: BM049997.D

Acq: 22 Apr 2025 15:49

Instrument :

BNA_M

ClientSampleId :

RBR200027

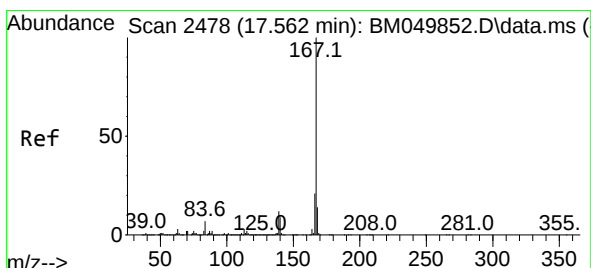
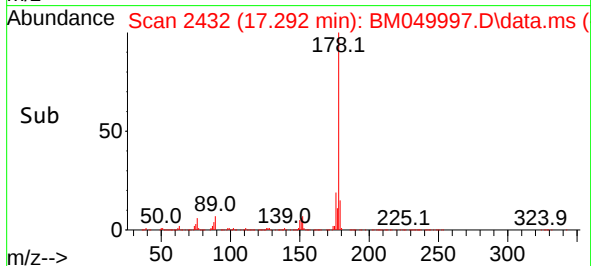
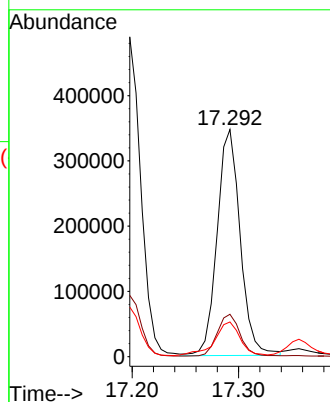
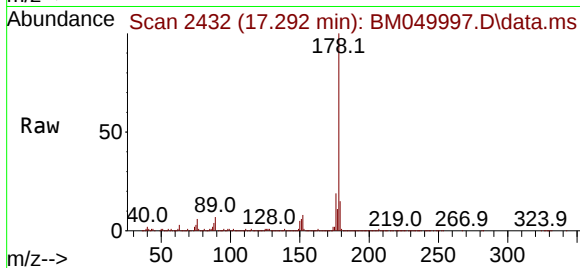
Tgt Ion:178 Resp: 521563

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 15.3 12.4 18.6



#73

Carbazole

Concen: 3.396 ng

RT: 17.562 min Scan# 2478

Delta R.T. 0.000 min

Lab File: BM049997.D

Acq: 22 Apr 2025 15:49

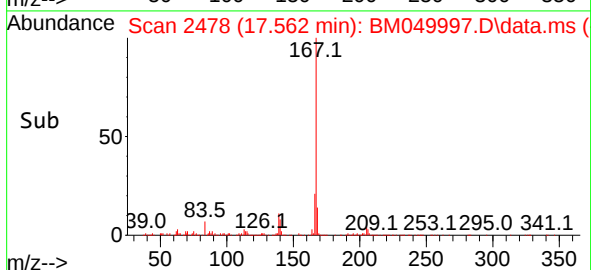
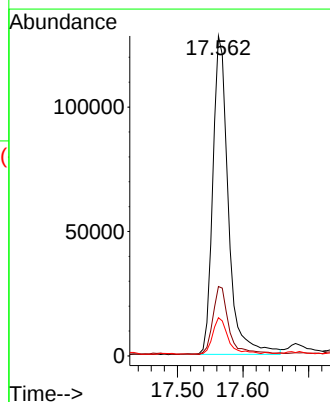
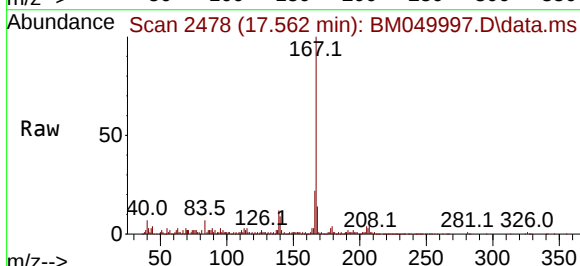
Tgt Ion:167 Resp: 210678

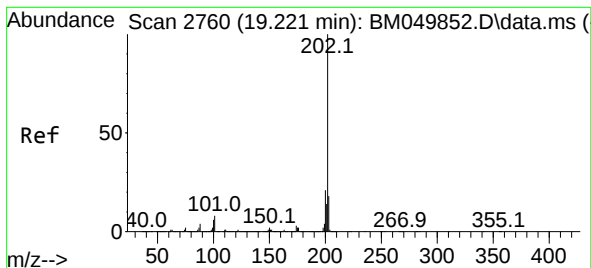
Ion Ratio Lower Upper

167 100

166 21.7 16.9 25.3

139 12.0 9.3 13.9





#75

Fluoranthene

Concen: 39.696 ng

RT: 19.215 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049997.D

Acq: 22 Apr 2025 15:49

Instrument :

BNA_M

ClientSampleId :

RBR200027

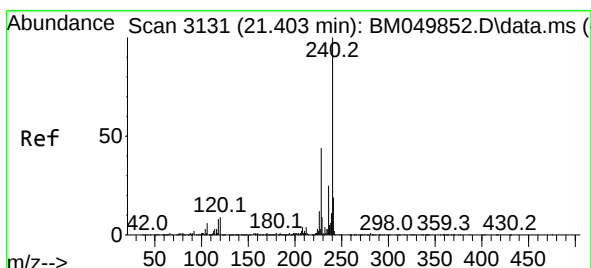
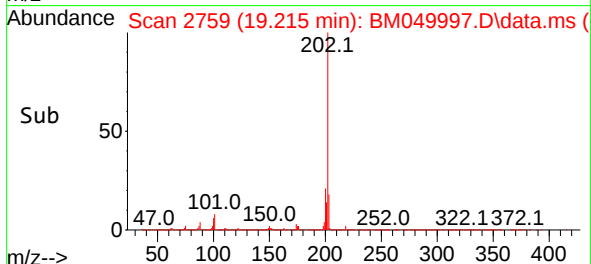
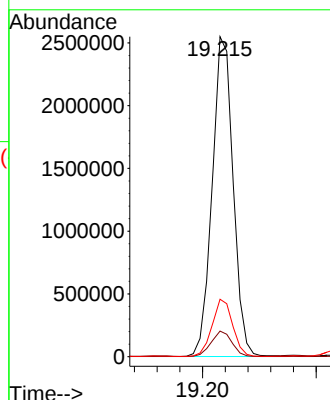
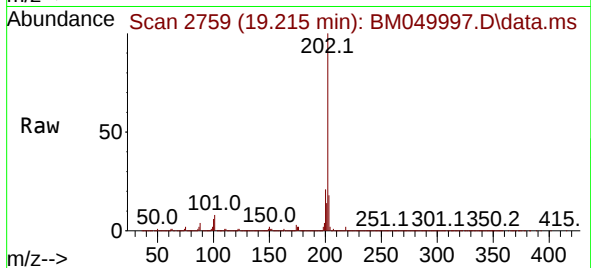
Tgt Ion:202 Resp: 3262235

Ion Ratio Lower Upper

202 100

101 8.0 0.0 28.4

203 17.9 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.398 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BM049997.D

Acq: 22 Apr 2025 15:49

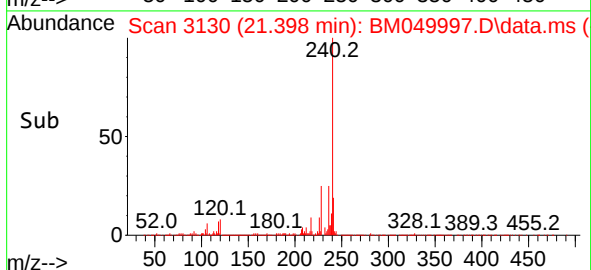
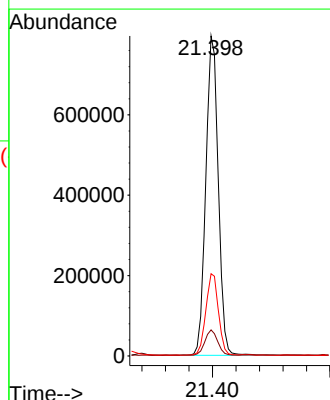
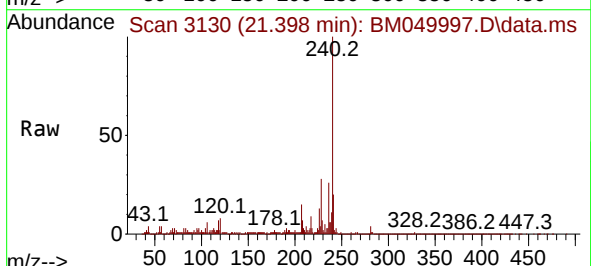
Tgt Ion:240 Resp: 1165237

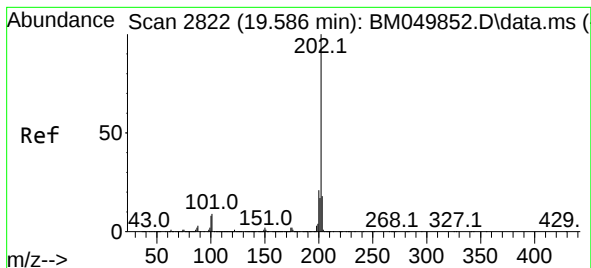
Ion Ratio Lower Upper

240 100

120 8.2 6.9 10.3

236 25.7 20.4 30.6





#78

Pyrene

Concen: 45.240 ng

RT: 19.580 min Scan# 2822

Delta R.T. -0.006 min

Lab File: BM049997.D

Acq: 22 Apr 2025 15:49

Instrument :

BNA_M

ClientSampleId :

RBR200027

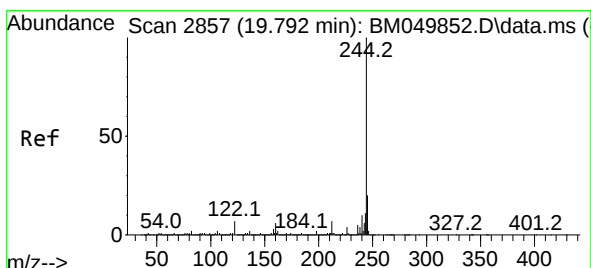
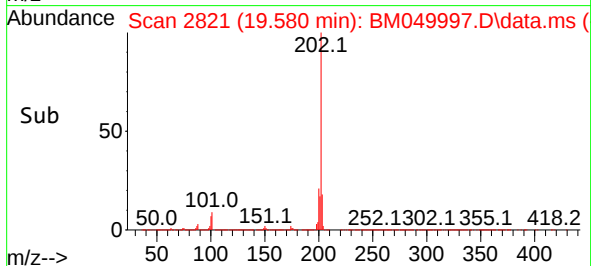
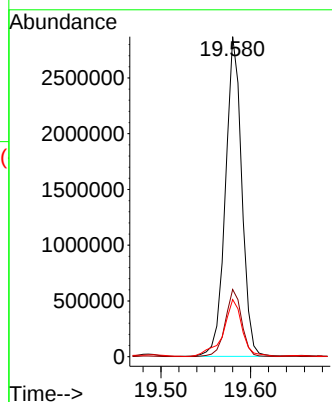
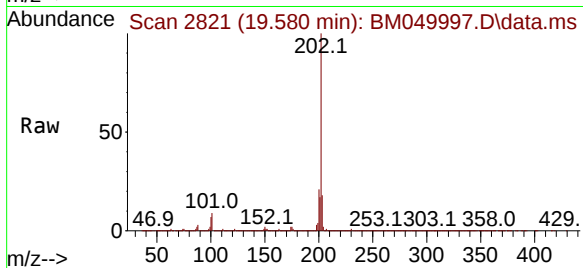
Tgt Ion:202 Resp: 3633078

Ion Ratio Lower Upper

202 100

200 21.0 16.5 24.7

203 17.8 14.0 21.0



#79

Terphenyl-d14

Concen: 36.638 ng

RT: 19.780 min Scan# 2855

Delta R.T. -0.012 min

Lab File: BM049997.D

Acq: 22 Apr 2025 15:49

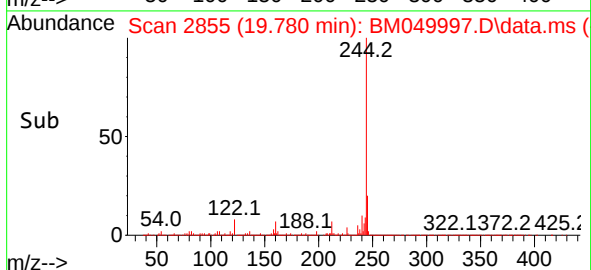
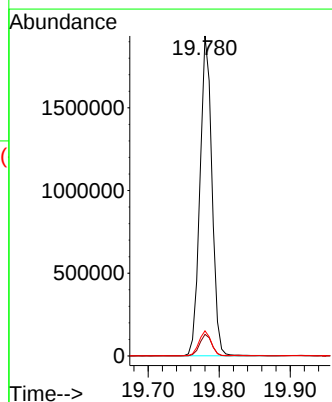
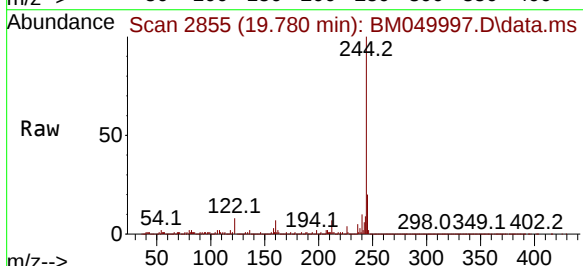
Tgt Ion:244 Resp: 2278039

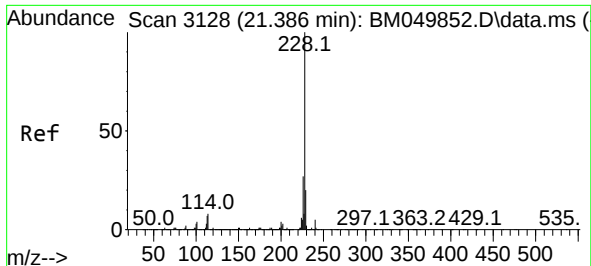
Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 7.8 5.4 8.0

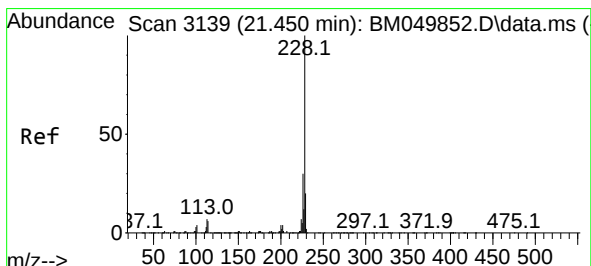
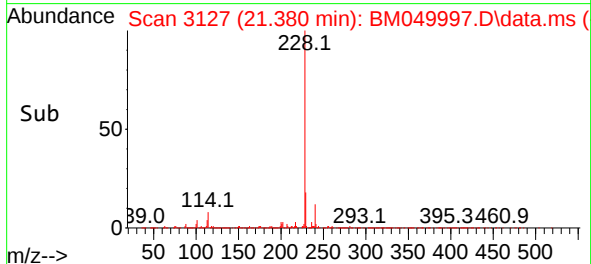
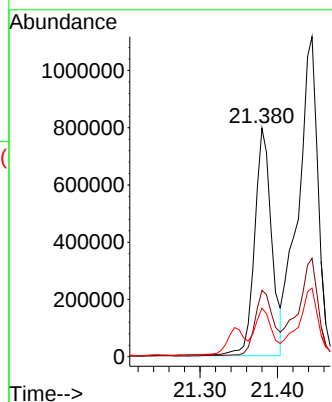
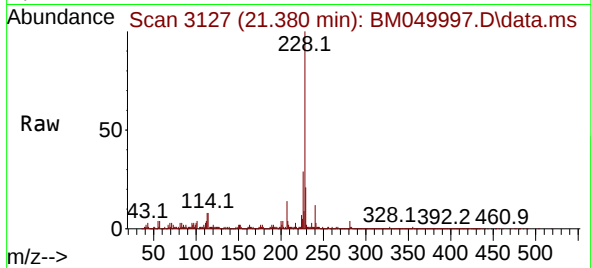




#81
Benzo(a)anthracene
Concen: 15.715 ng
RT: 21.380 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BM049997.D
Acq: 22 Apr 2025 15:49

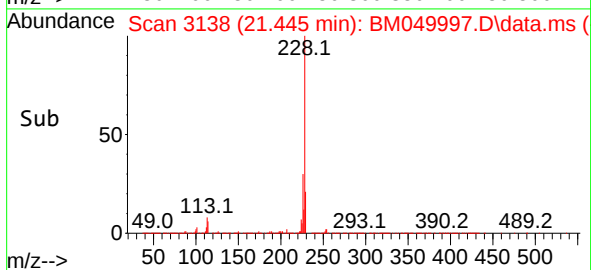
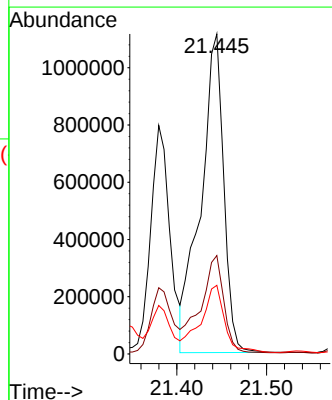
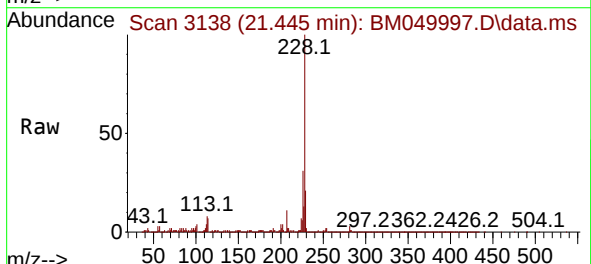
Instrument :
BNA_M
ClientSampleId :
RBR200027

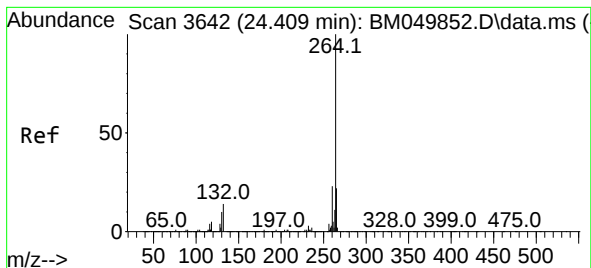
Tgt Ion:228 Resp: 1216978
Ion Ratio Lower Upper
228 100
226 29.0 21.8 32.8
229 21.2 15.8 23.8



#83
Chrysene
Concen: 26.925 ng
RT: 21.445 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BM049997.D
Acq: 22 Apr 2025 15:49

Tgt Ion:228 Resp: 1982334
Ion Ratio Lower Upper
228 100
226 30.7 24.1 36.1
229 21.4 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.403 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM049997.D

Acq: 22 Apr 2025 15:49

Instrument :

BNA_M

ClientSampleId :

RBR200027

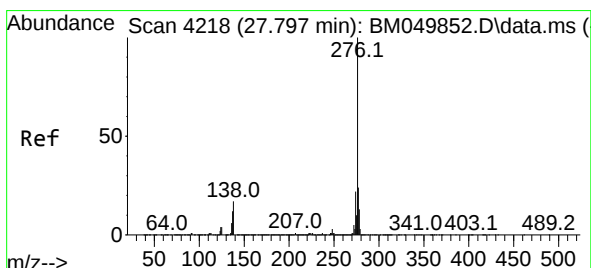
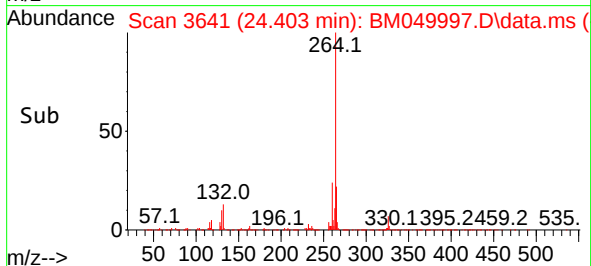
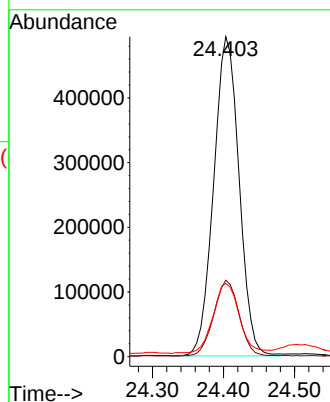
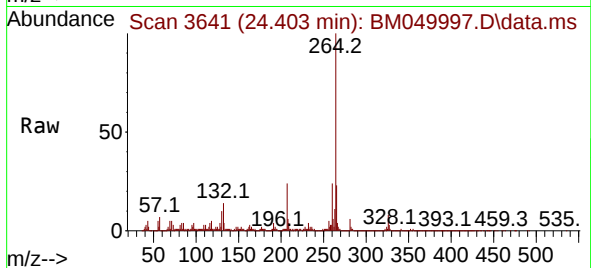
Tgt Ion:264 Resp: 1223366

Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

265 22.9 17.8 26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.042 ng

RT: 27.797 min Scan# 4218

Delta R.T. 0.000 min

Lab File: BM049997.D

Acq: 22 Apr 2025 15:49

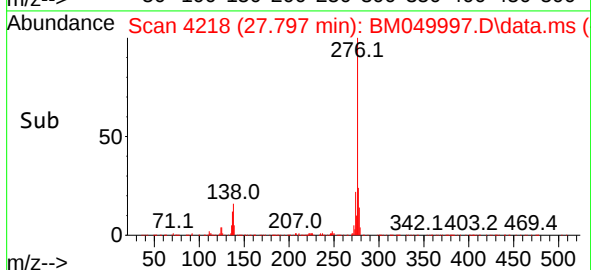
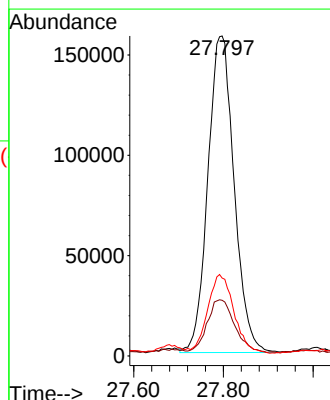
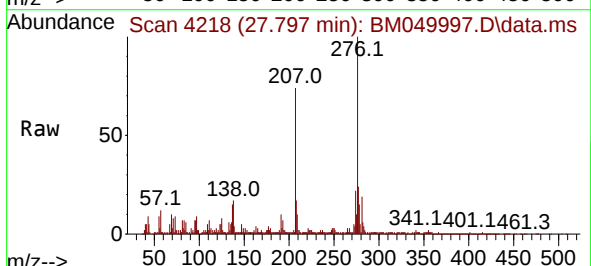
Tgt Ion:276 Resp: 642185

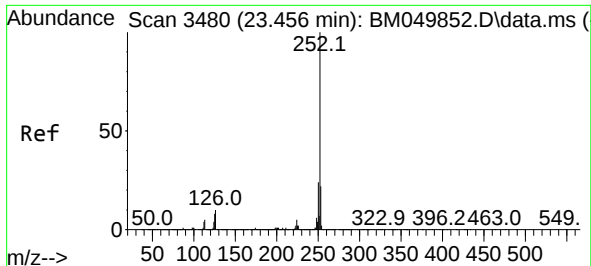
Ion Ratio Lower Upper

276 100

138 17.4 16.8 25.2

277 24.8 20.1 30.1

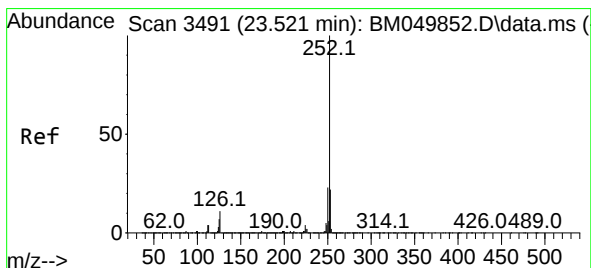
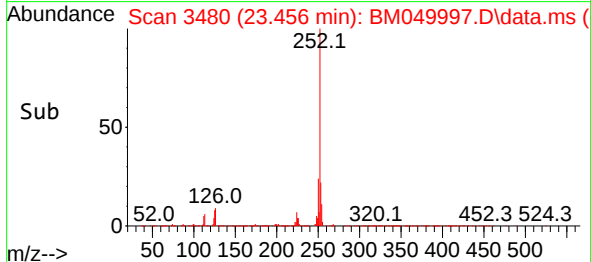
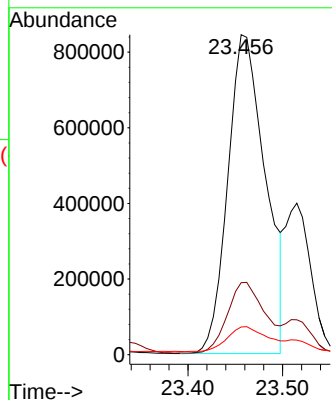
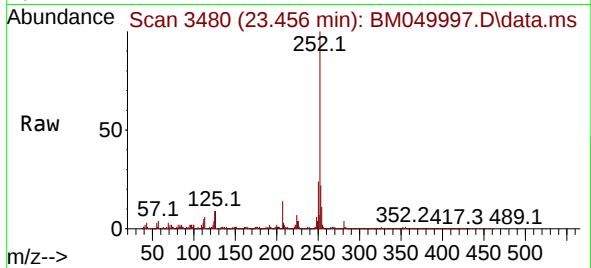




#88
Benzo(b)fluoranthene
Concen: 29.759 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049997.D
Acq: 22 Apr 2025 15:49

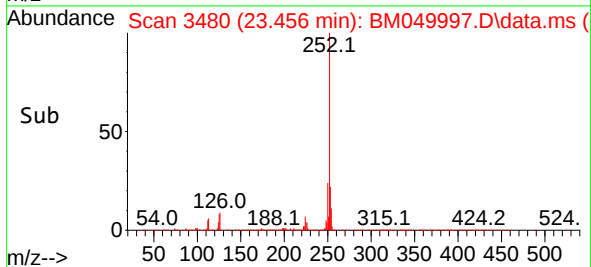
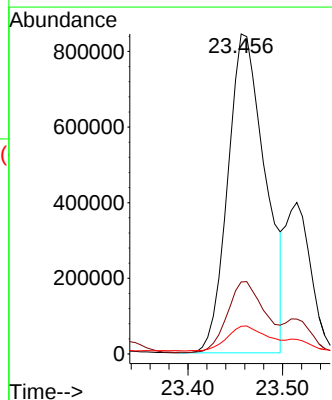
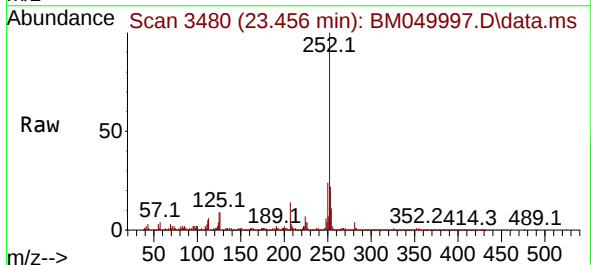
Instrument :
BNA_M
ClientSampleId :
RBR200027

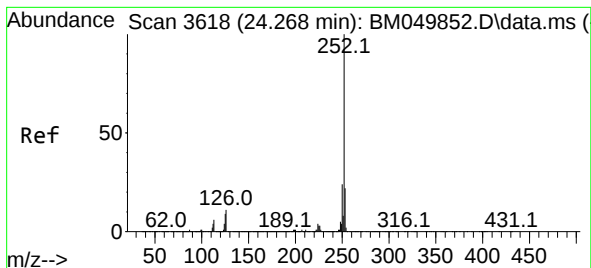
Tgt Ion:252 Resp: 2325152
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 8.7 6.2 9.4



#89
Benzo(k)fluoranthene
Concen: 30.709 ng
RT: 23.456 min Scan# 3480
Delta R.T. -0.065 min
Lab File: BM049997.D
Acq: 22 Apr 2025 15:49

Tgt Ion:252 Resp: 2325152
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 8.7 5.8 8.8





#90

Benzo(a)pyrene

Concen: 12.594 ng

RT: 24.262 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM049997.D

Acq: 22 Apr 2025 15:49

Instrument :

BNA_M

ClientSampleId :

RBR200027

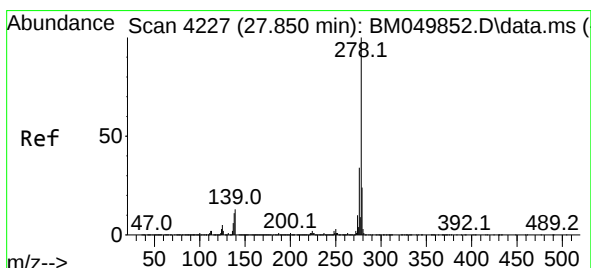
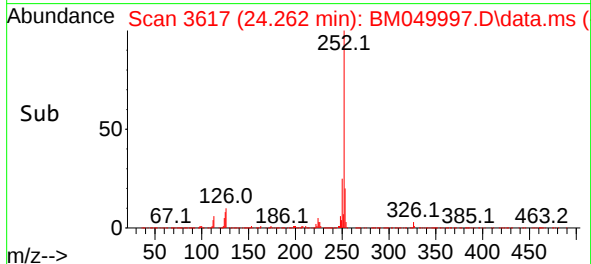
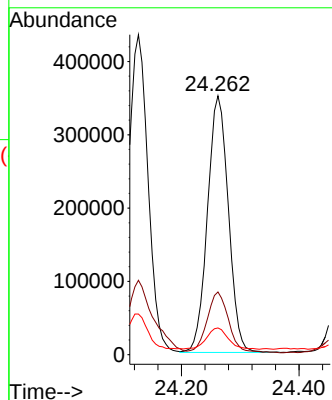
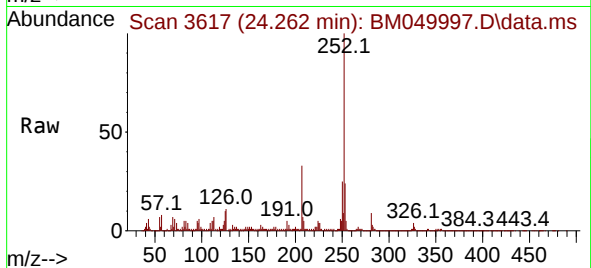
Tgt Ion:252 Resp: 864678

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.8

125 10.3 7.0 10.4



#91

Dibenzo(a,h)anthracene

Concen: 2.191 ng

RT: 27.844 min Scan# 4226

Delta R.T. -0.006 min

Lab File: BM049997.D

Acq: 22 Apr 2025 15:49

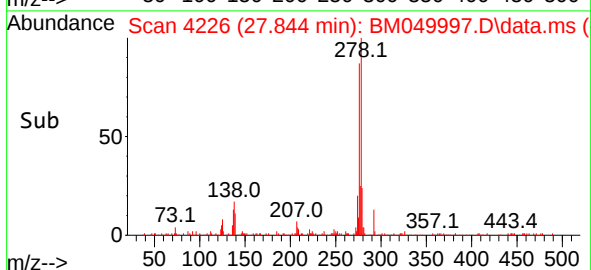
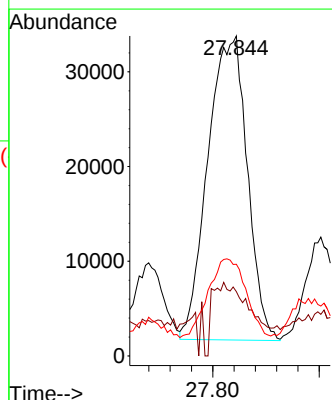
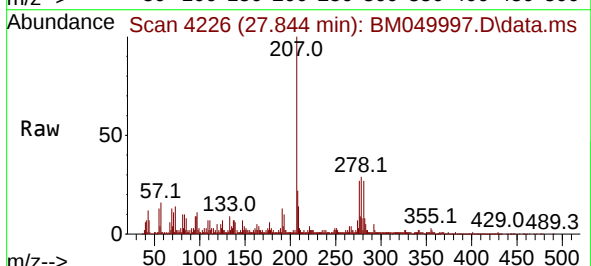
Tgt Ion:278 Resp: 164561

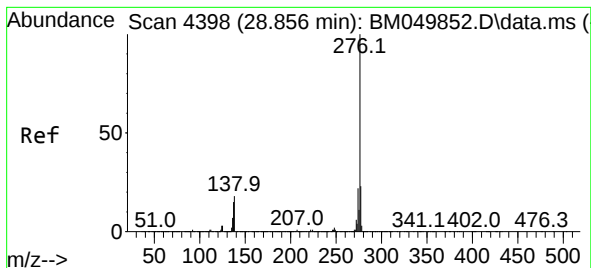
Ion Ratio Lower Upper

278 100

139 20.1 10.6 15.8#

279 28.7 19.1 28.7





#92

Benzo(g,h,i)perylene

Concen: 7.509 ng

RT: 28.856 min Scan# 41

Delta R.T. 0.000 min

Lab File: BM049997.D

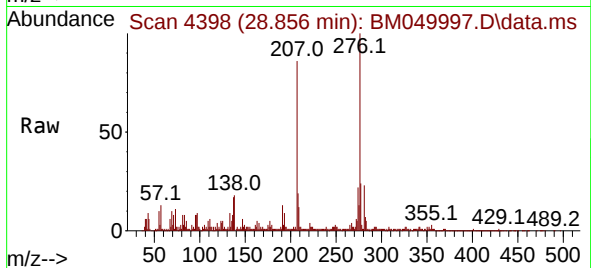
Acq: 22 Apr 2025 15:49

Instrument :

BNA_M

ClientSampleId :

RBR200027



Tgt Ion:276 Resp: 576339

Ion Ratio Lower Upper

276 100

277 24.3 18.7 28.1

138 18.4 14.6 21.8

