

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042125\
 Data File : BM049986.D
 Acq On : 21 Apr 2025 15:53
 Operator : RC/JU
 Sample : Q1832-01DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-01DL

Quant Time: Apr 21 16:47:17 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)

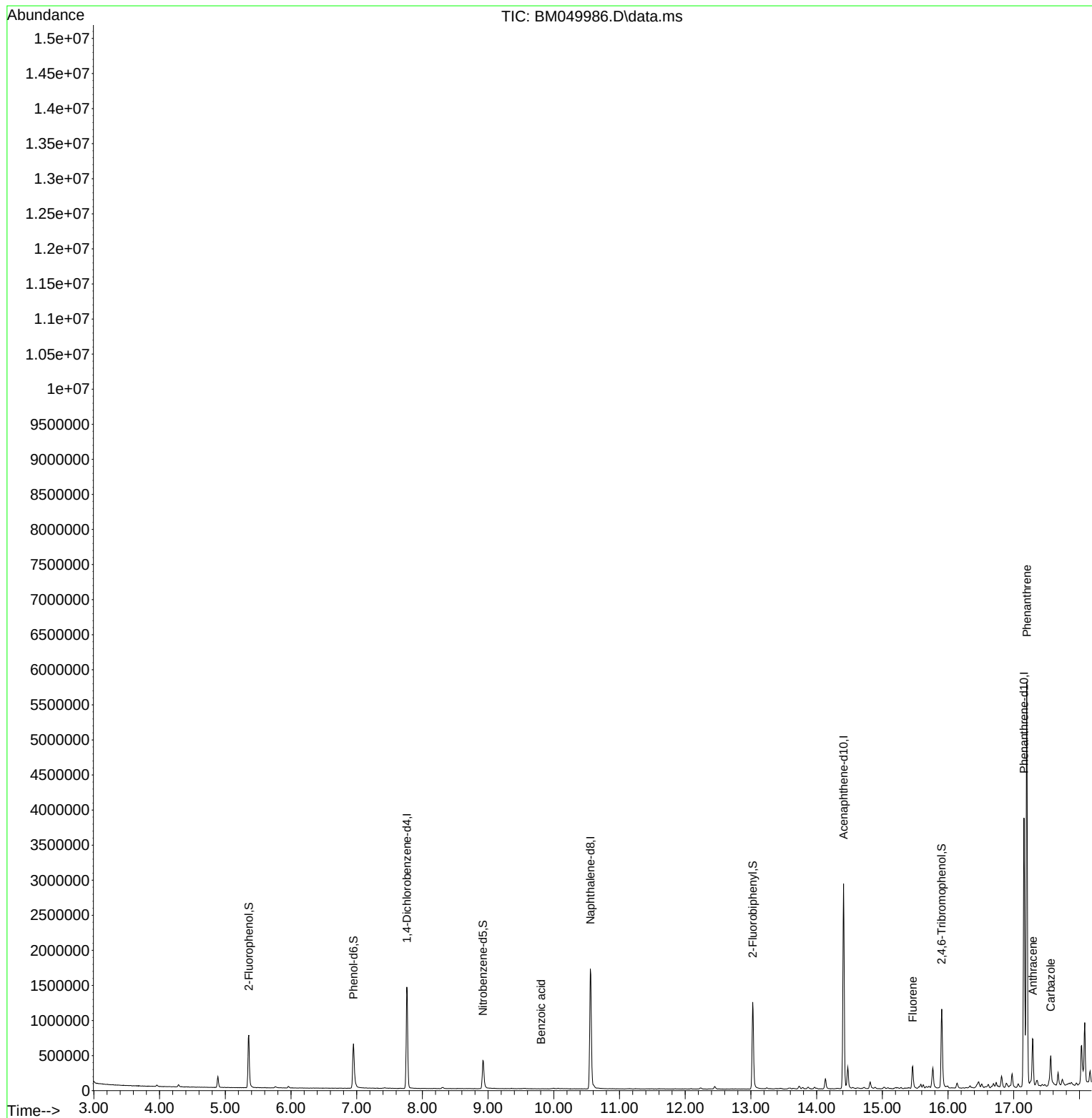
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	431159	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	1551872	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	1079472	20.000	ng	-0.01
64) Phenanthrene-d10	17.156	188	2274706	20.000	ng	0.00
76) Chrysene-d12	21.397	240	2159953	20.000	ng	0.00
86) Perylene-d12	24.397	264	1753279	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	365615	14.399	ng	0.00
7) Phenol-d6	6.951	99	461353	14.604	ng	0.00
23) Nitrobenzene-d5	8.922	82	275620	9.890	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	230038	14.651	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	756169	9.499	ng	-0.02
79) Terphenyl-d14	19.780	244	1203894	10.445	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.804	122	53	8.540	ng	# 1
58) Fluorene	15.462	166	158848	2.046	ng	99
71) Phenanthrene	17.198	178	3406622	27.317	ng	100
72) Anthracene	17.292	178	452779	3.684	ng	99
73) Carbazole	17.562	167	287826	2.487	ng	99
75) Fluoranthene	19.215	202	7552829	49.257	ng	99
78) Pyrene	19.580	202	6320261	42.458	ng	99
81) Benzo(a)anthracene	21.380	228	2478510	17.266	ng	98
83) Chrysene	21.439	228	2453189	17.976	ng	97
87) Indeno(1,2,3-cd)pyrene	27.785	276	1044730	7.994	ng	97
88) Benzo(b)fluoranthene	23.456	252	2632749	23.512	ng	98
89) Benzo(k)fluoranthene	23.456	252	2632749	24.262	ng	98
90) Benzo(a)pyrene	24.256	252	1761759	17.905	ng	100
91) Dibenzo(a,h)anthracene	27.815	278	269541	2.504	ng	# 93
92) Benzo(g,h,i)perylene	28.838	276	984281	8.948	ng	99

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

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Instrument :
BNA_M
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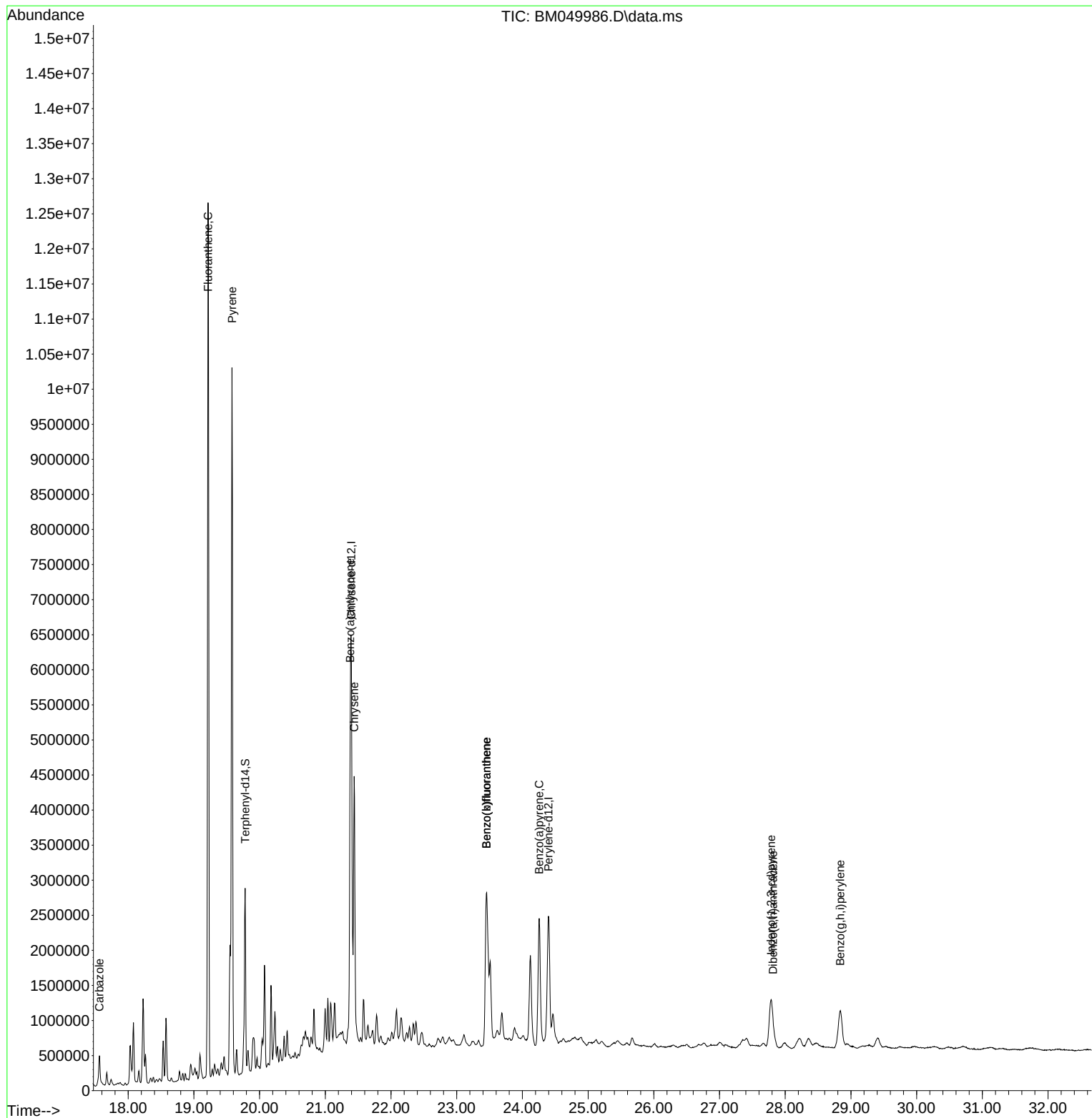
Quant Time: Apr 21 16:47:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

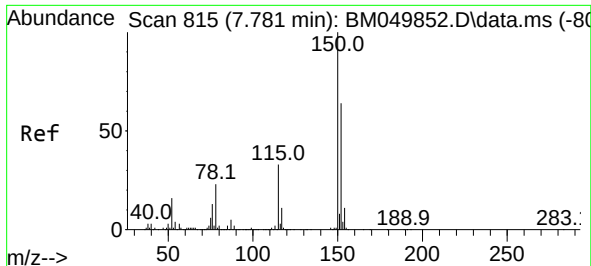


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042125\
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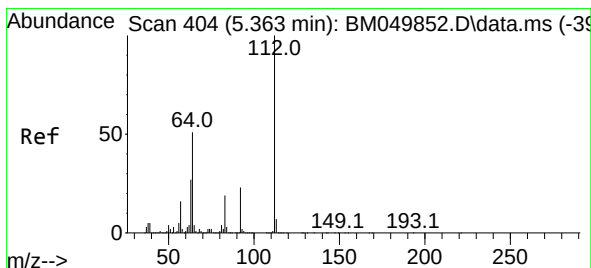
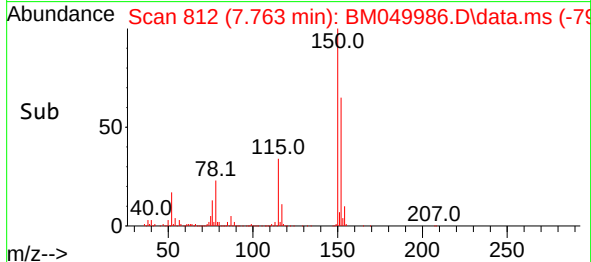
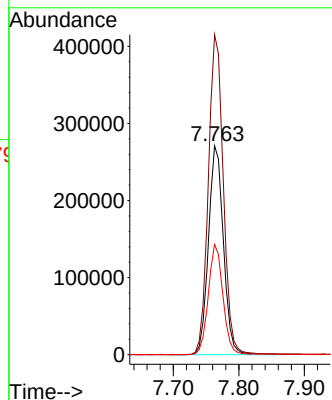
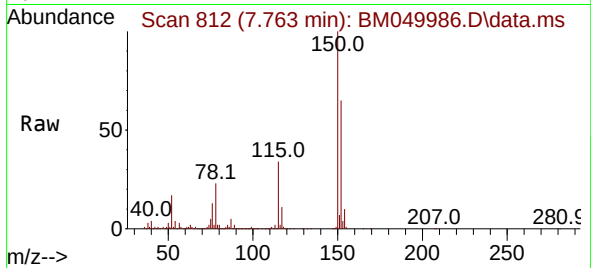




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM049986.D
Acq: 21 Apr 2025 15:53

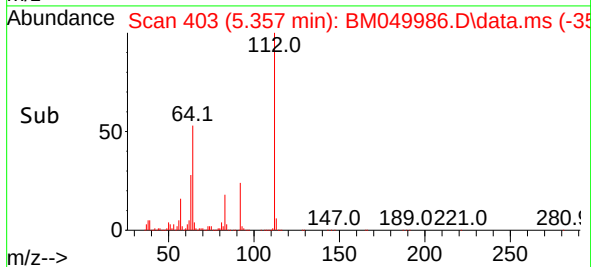
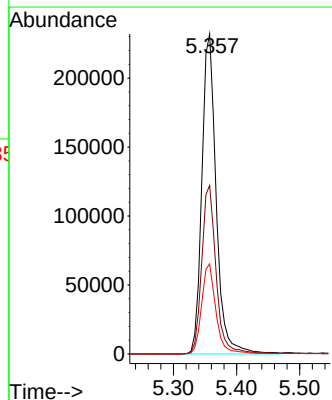
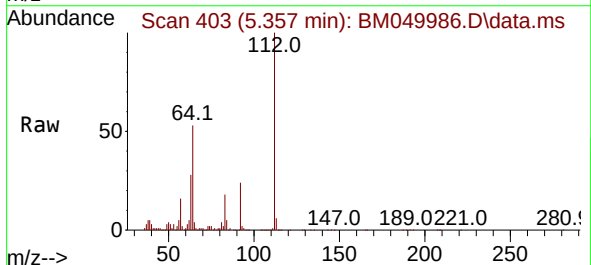
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01DL

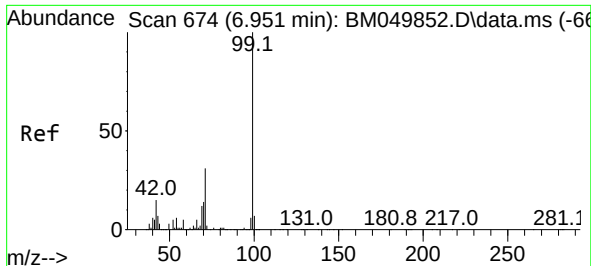
Tgt Ion:152 Resp: 431159
Ion Ratio Lower Upper
152 100
150 153.2 124.3 186.5
115 52.8 41.1 61.7



#5
2-Fluorophenol
Concen: 14.399 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049986.D
Acq: 21 Apr 2025 15:53

Tgt Ion:112 Resp: 365615
Ion Ratio Lower Upper
112 100
64 52.7 41.0 61.6
63 28.2 21.5 32.3

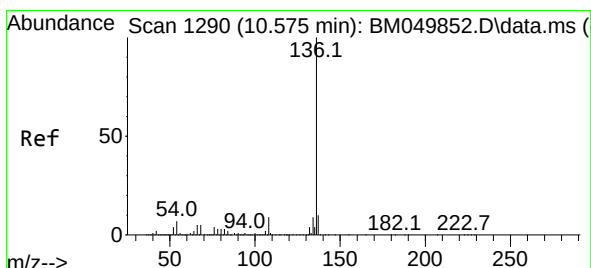
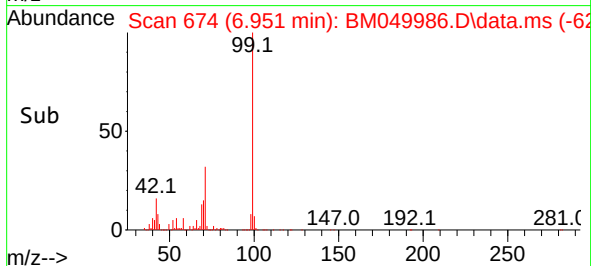
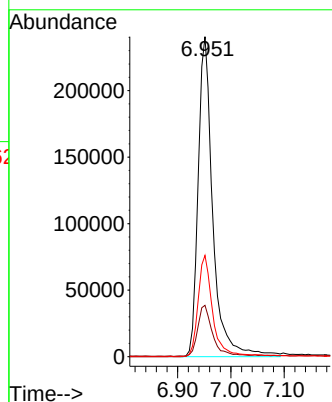
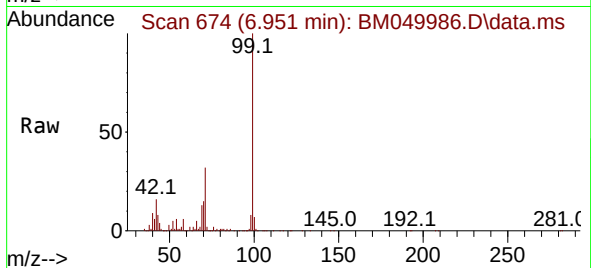




#7
Phenol-d6
Concen: 14.604 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049986.D
Acq: 21 Apr 2025 15:53

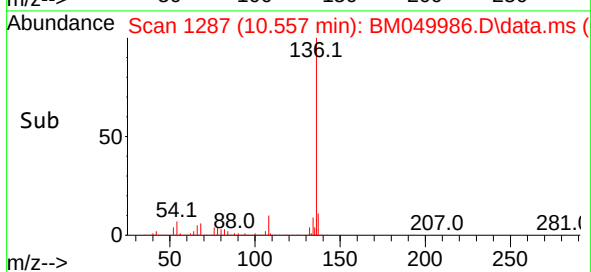
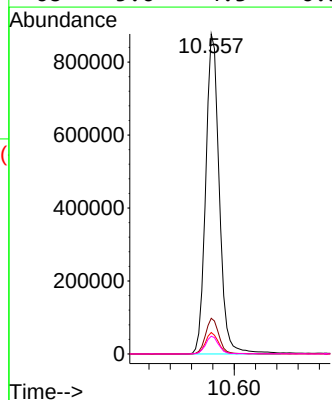
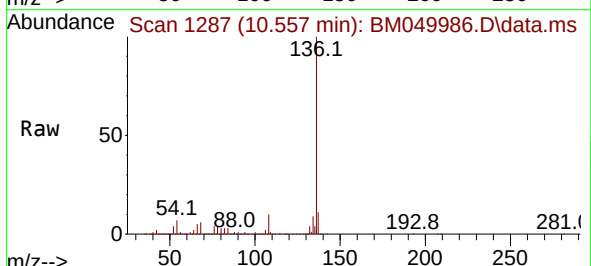
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01DL

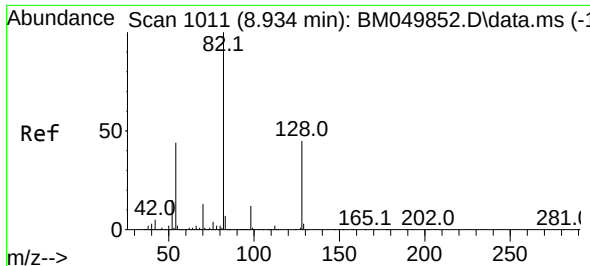
Tgt Ion: 99 Resp: 461353
Ion Ratio Lower Upper
99 100
42 16.1 12.1 18.1
71 31.6 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM049986.D
Acq: 21 Apr 2025 15:53

Tgt Ion: 136 Resp: 1551872
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 6.7 5.3 7.9
68 5.6 4.3 6.5

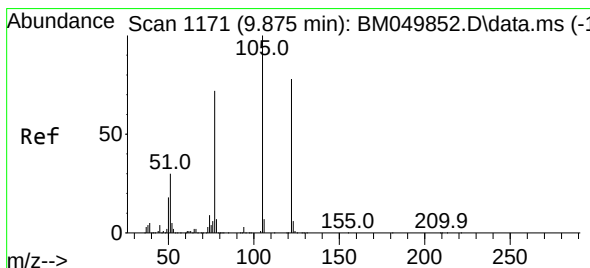
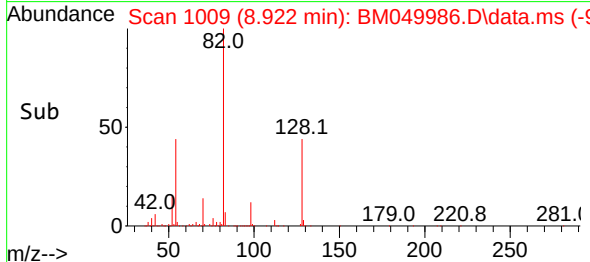
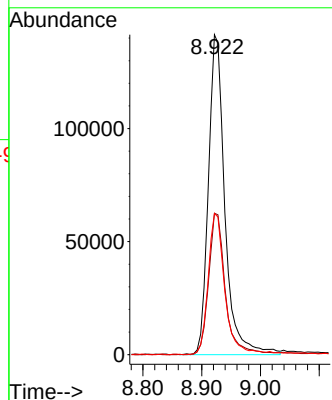
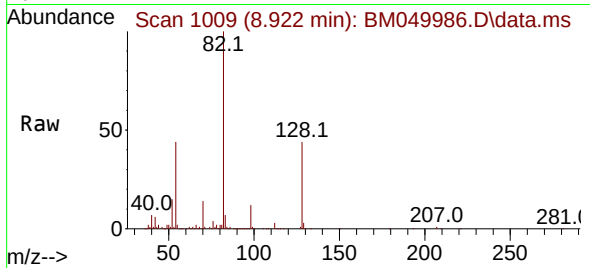




#23
Nitrobenzene-d5
Concen: 9.890 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BM049986.D
Acq: 21 Apr 2025 15:53

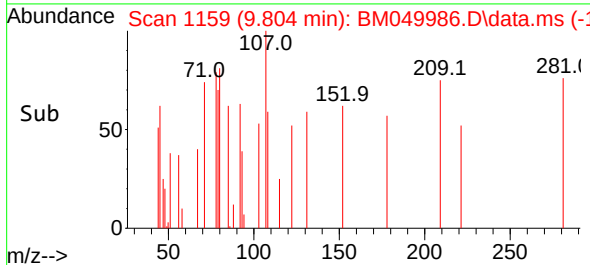
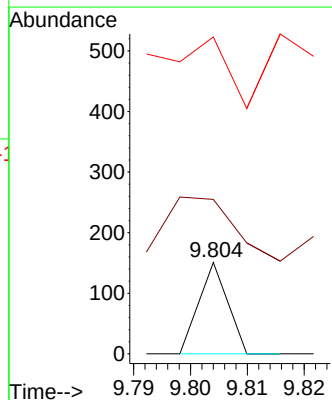
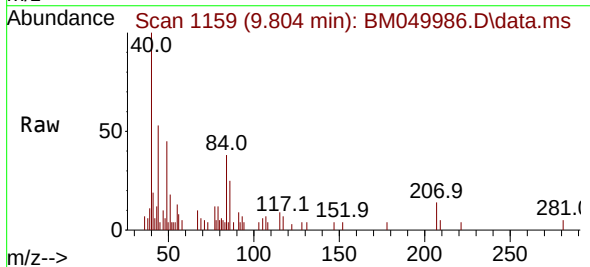
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01DL

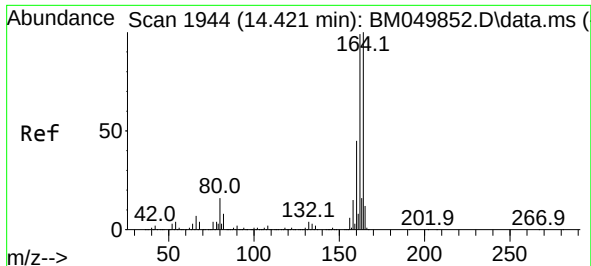
Tgt Ion: 82 Resp: 275620
Ion Ratio Lower Upper
82 100
128 44.2 36.2 54.2
54 44.2 35.0 52.6



#32
Benzoic acid
Concen: 8.540 ng
RT: 9.804 min Scan# 1159
Delta R.T. -0.071 min
Lab File: BM049986.D
Acq: 21 Apr 2025 15:53

Tgt Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 168.9 103.8 143.8#
77 346.4 70.7 110.7#

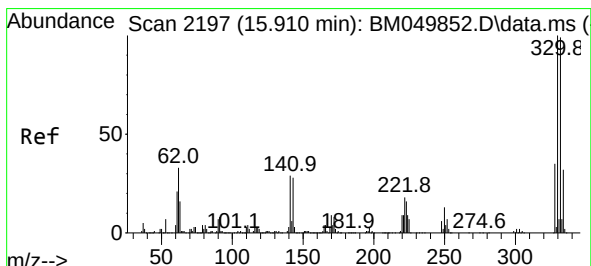
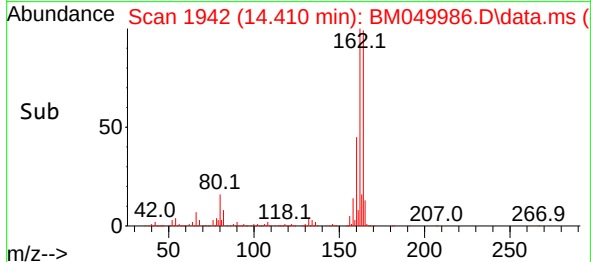
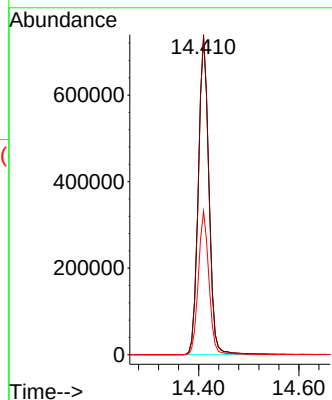
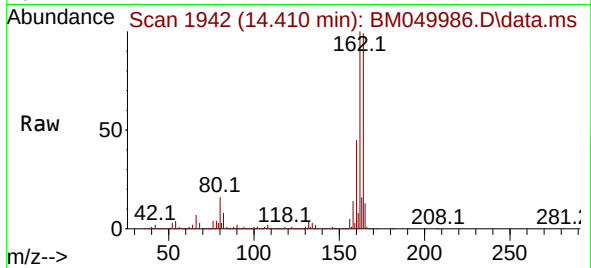




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM049986.D
Acq: 21 Apr 2025 15:53

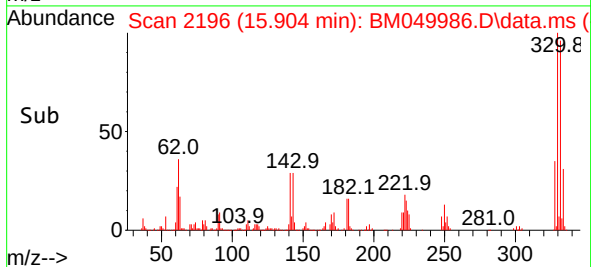
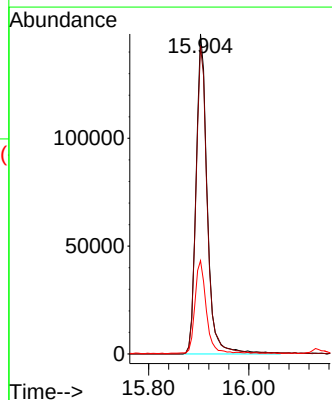
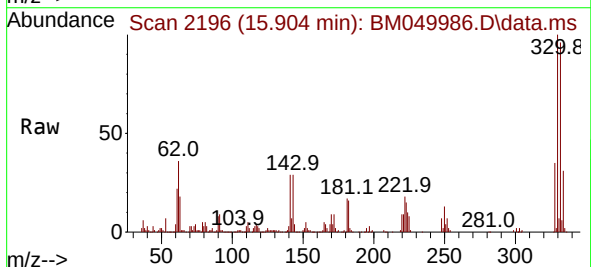
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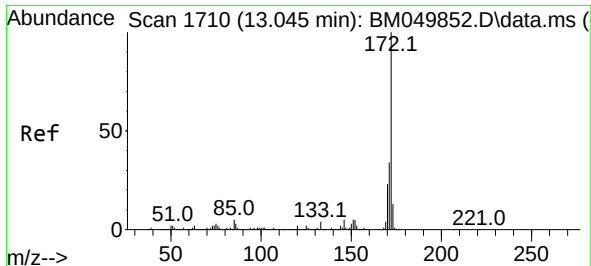
Tgt Ion:164 Resp: 1079472
Ion Ratio Lower Upper
164 100
162 100.9 79.4 119.0
160 45.2 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 14.651 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM049986.D
Acq: 21 Apr 2025 15:53

Tgt Ion:330 Resp: 230038
Ion Ratio Lower Upper
330 100
332 96.1 78.0 117.0
141 29.7 23.5 35.3

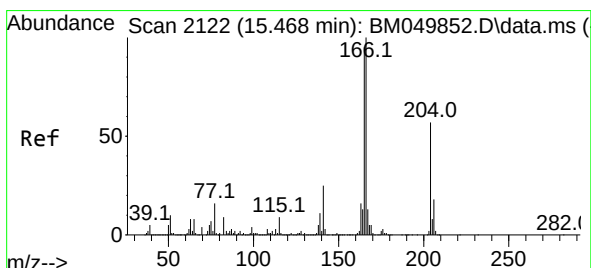
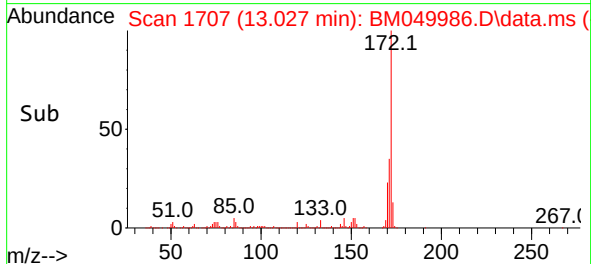
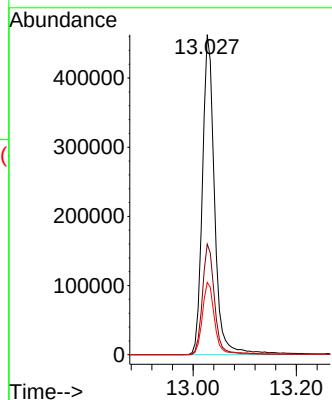
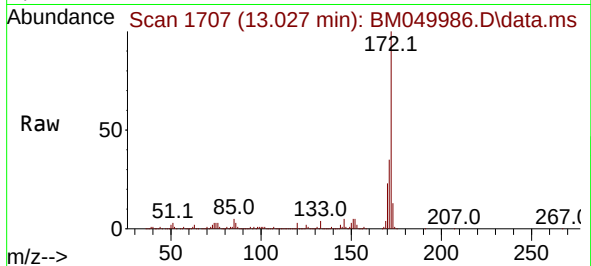




#45
2-Fluorobiphenyl
Concen: 9.499 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.018 min
Lab File: BM049986.D
Acq: 21 Apr 2025 15:53

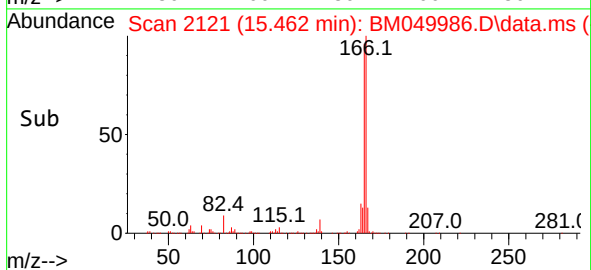
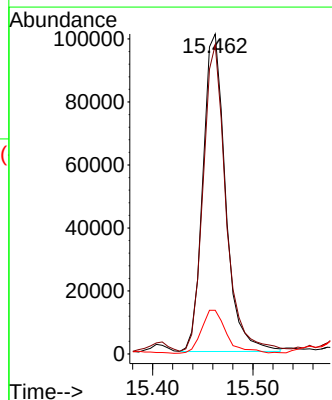
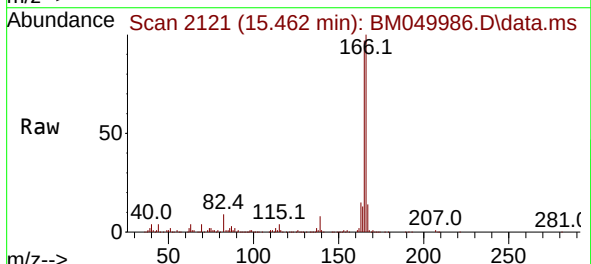
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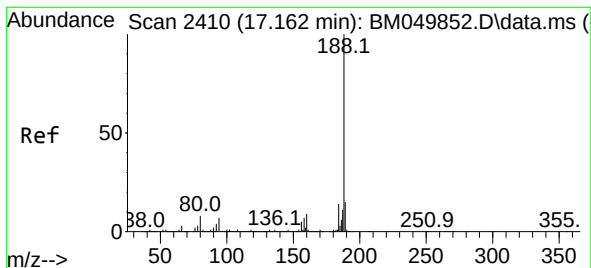
Tgt Ion:172 Resp: 756169
Ion Ratio Lower Upper
172 100
171 34.5 27.4 41.2
170 22.6 18.6 28.0



#58
Fluorene
Concen: 2.046 ng
RT: 15.462 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BM049986.D
Acq: 21 Apr 2025 15:53

Tgt Ion:166 Resp: 158848
Ion Ratio Lower Upper
166 100
165 96.7 76.3 114.5
167 13.6 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.156 min Scan# 2410

Delta R.T. -0.006 min

Lab File: BM049986.D

Acq: 21 Apr 2025 15:53

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-01DL

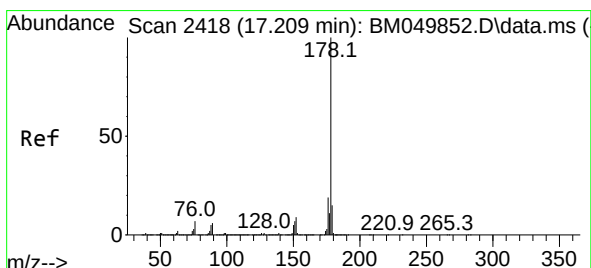
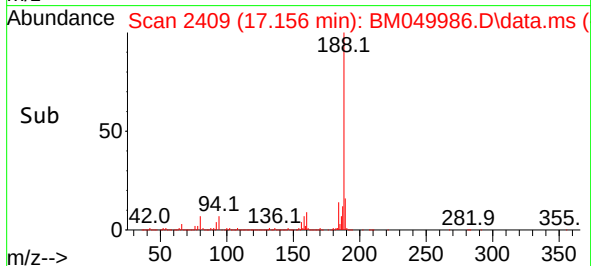
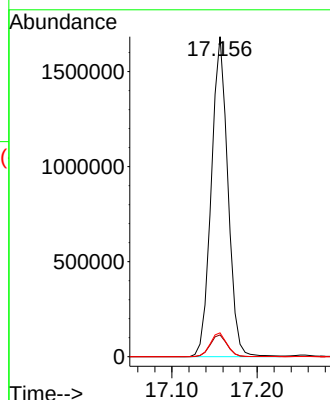
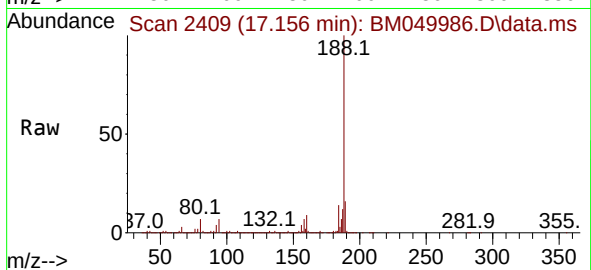
Tgt Ion:188 Resp: 2274706

Ion Ratio Lower Upper

188 100

94 6.8 5.8 8.6

80 7.4 6.4 9.6



#71

Phenanthrene

Concen: 27.317 ng

RT: 17.198 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM049986.D

Acq: 21 Apr 2025 15:53

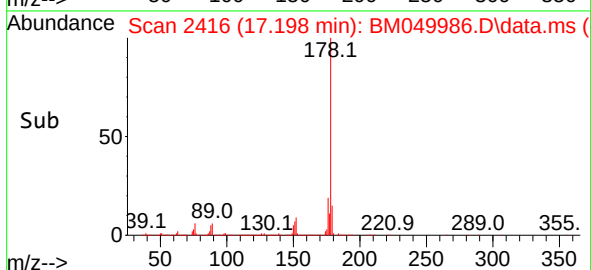
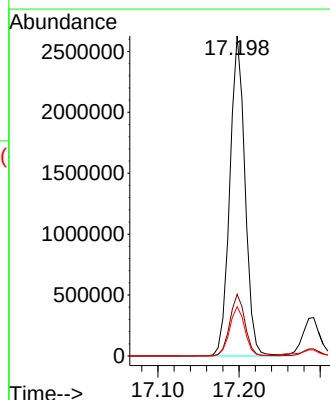
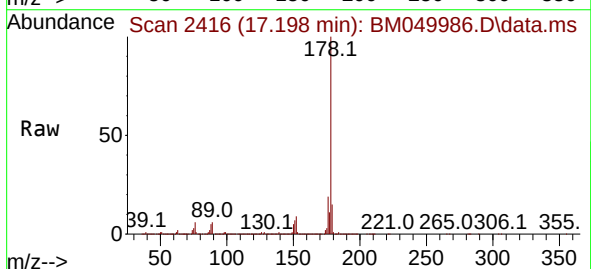
Tgt Ion:178 Resp: 3406622

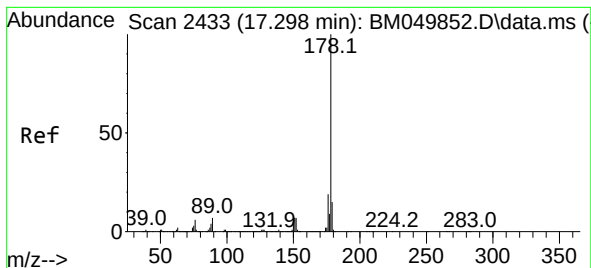
Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 15.4 12.3 18.5





#72

Anthracene

Concen: 3.684 ng

RT: 17.292 min Scan# 2433

Delta R.T. -0.006 min

Lab File: BM049986.D

Acq: 21 Apr 2025 15:53

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-01DL

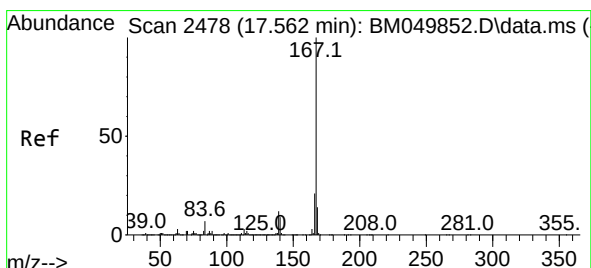
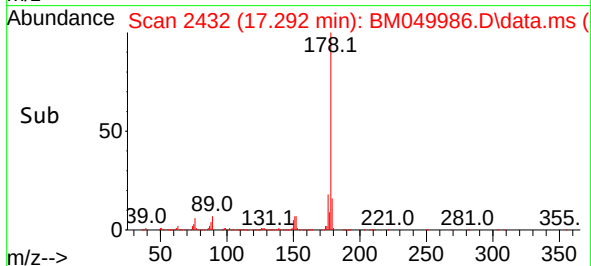
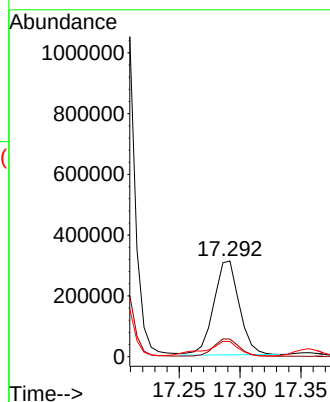
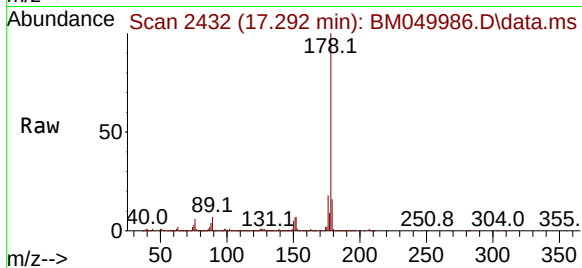
Tgt Ion:178 Resp: 452779

Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

179 15.9 12.4 18.6



#73

Carbazole

Concen: 2.487 ng

RT: 17.562 min Scan# 2478

Delta R.T. -0.000 min

Lab File: BM049986.D

Acq: 21 Apr 2025 15:53

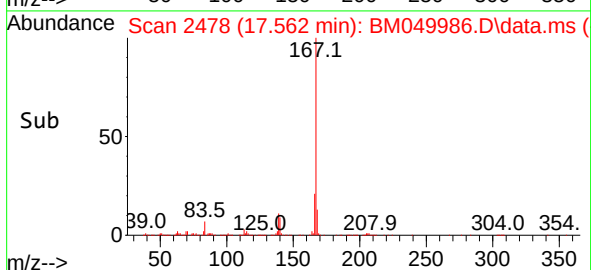
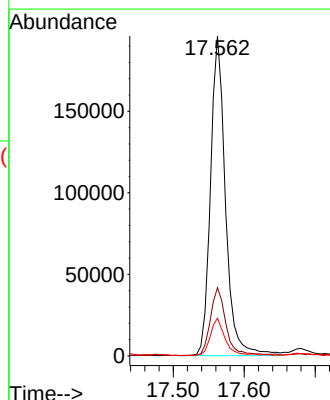
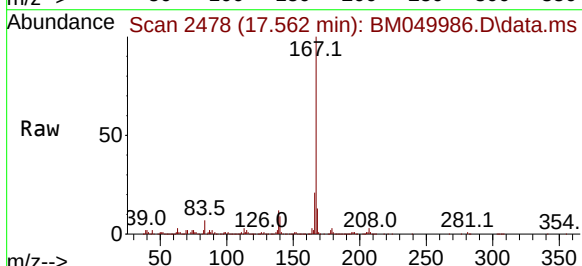
Tgt Ion:167 Resp: 287826

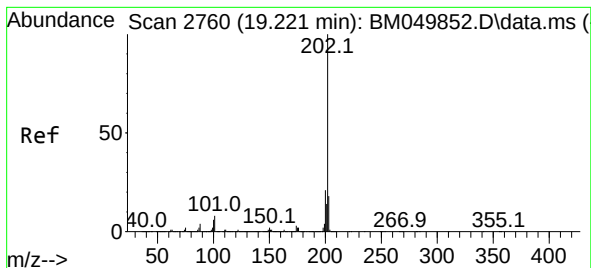
Ion Ratio Lower Upper

167 100

166 21.4 16.9 25.3

139 11.8 9.3 13.9

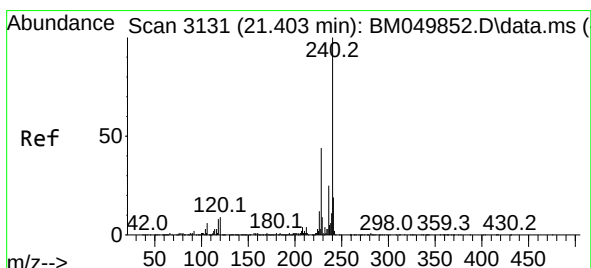
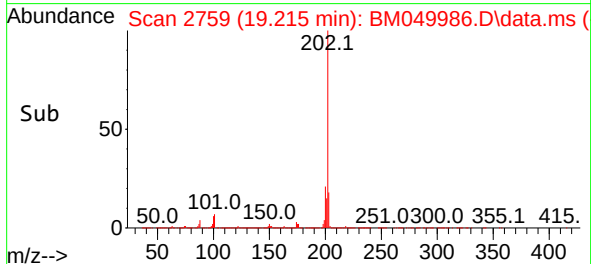
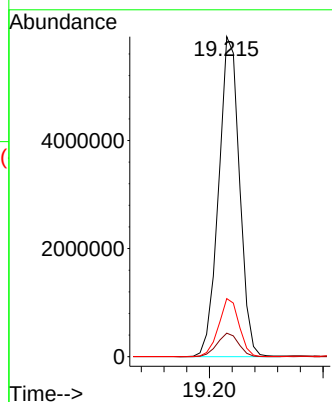
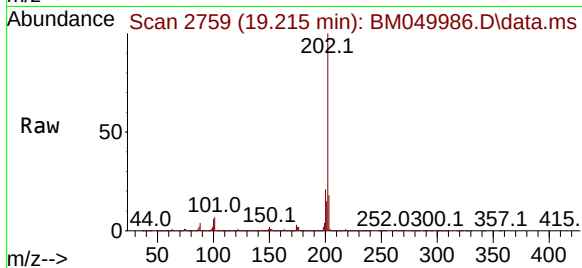




#75
Fluoranthene
Concen: 49.257 ng
RT: 19.215 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049986.D
Acq: 21 Apr 2025 15:53

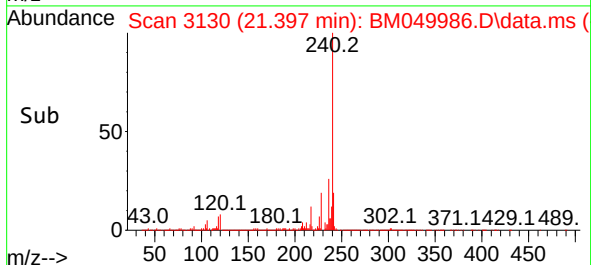
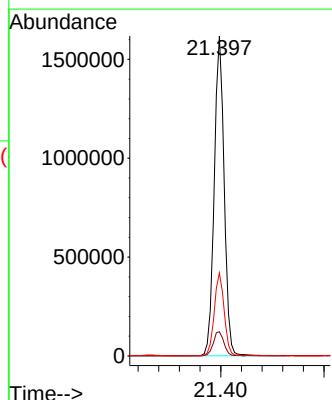
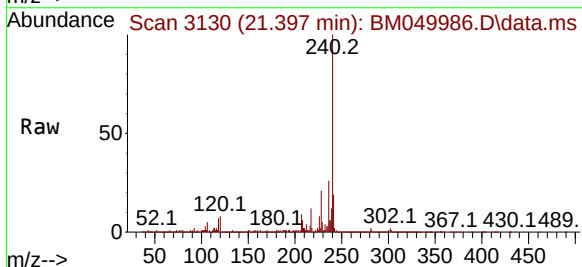
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01DL

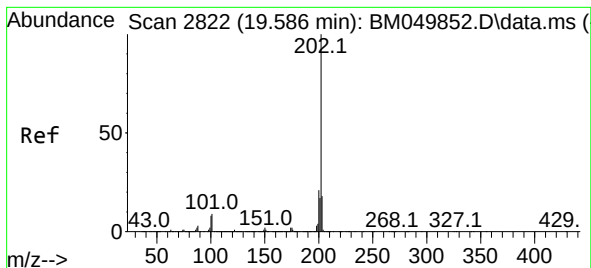
Tgt Ion:202 Resp: 7552829
Ion Ratio Lower Upper
202 100
101 7.3 0.0 28.4
203 18.1 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049986.D
Acq: 21 Apr 2025 15:53

Tgt Ion:240 Resp: 2159953
Ion Ratio Lower Upper
240 100
120 7.5 6.9 10.3
236 25.9 20.4 30.6





#78

Pyrene

Concen: 42.458 ng

RT: 19.580 min Scan# 2822

Delta R.T. -0.006 min

Lab File: BM049986.D

Acq: 21 Apr 2025 15:53

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-01DL

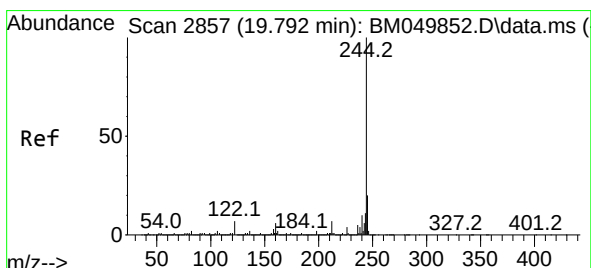
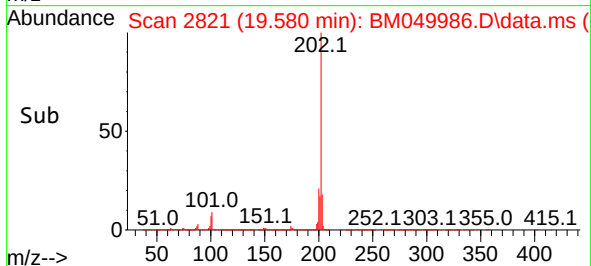
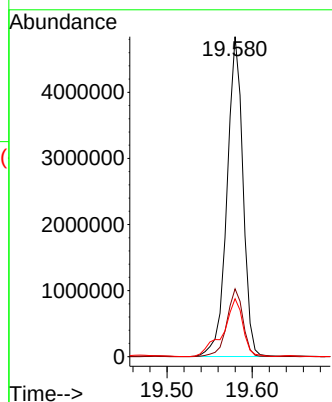
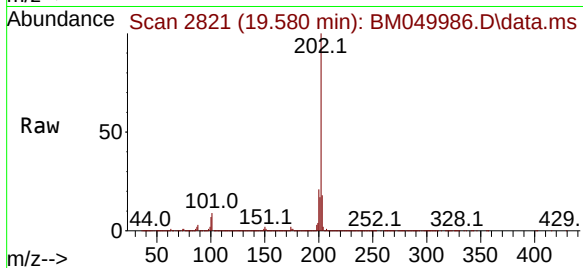
Tgt Ion:202 Resp: 6320261

Ion Ratio Lower Upper

202 100

200 21.2 16.5 24.7

203 18.1 14.0 21.0



#79

Terphenyl-d14

Concen: 10.445 ng

RT: 19.780 min Scan# 2855

Delta R.T. -0.012 min

Lab File: BM049986.D

Acq: 21 Apr 2025 15:53

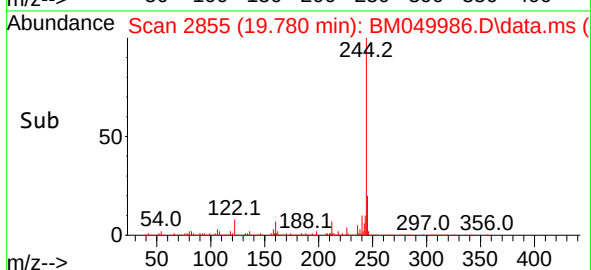
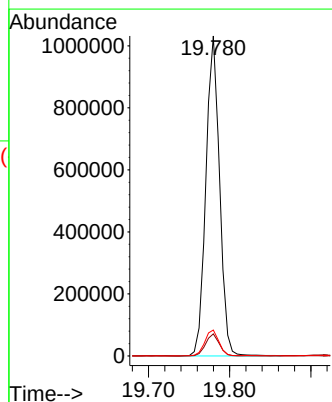
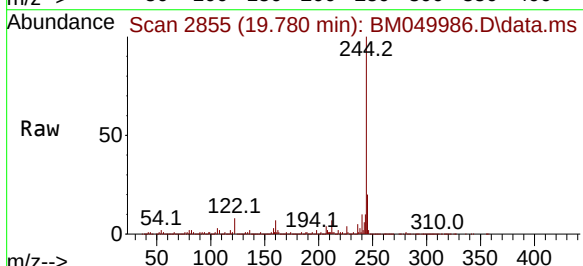
Tgt Ion:244 Resp: 1203894

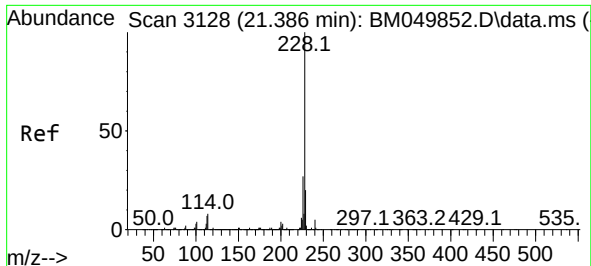
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 8.1 5.4 8.0#

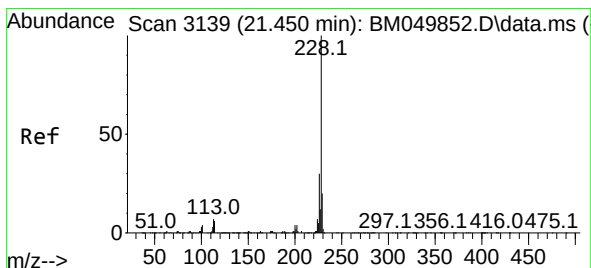
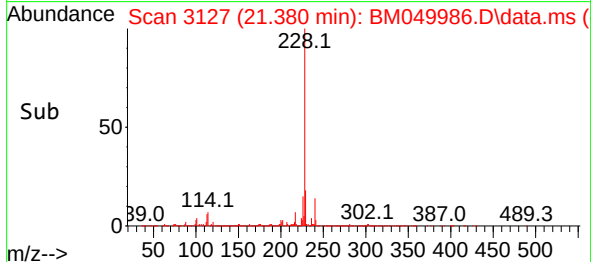
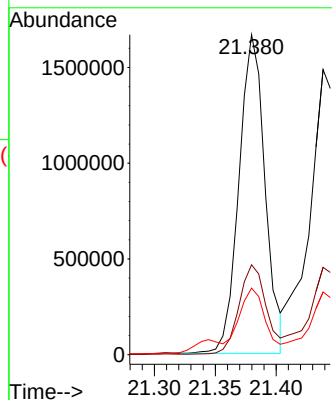
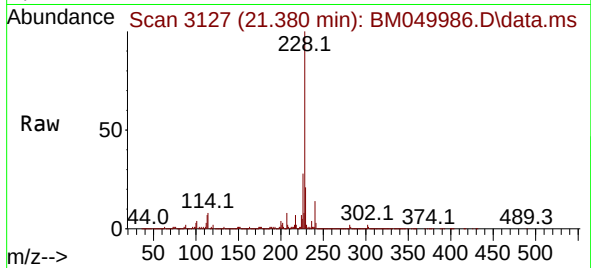




#81
Benzo(a)anthracene
Concen: 17.266 ng
RT: 21.380 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BM049986.D
Acq: 21 Apr 2025 15:53

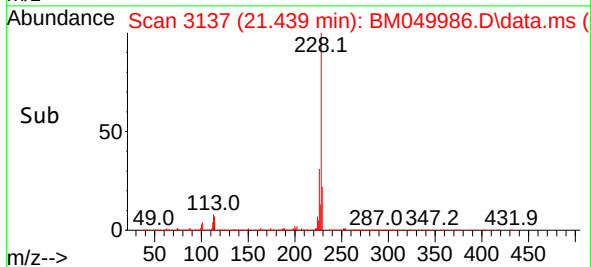
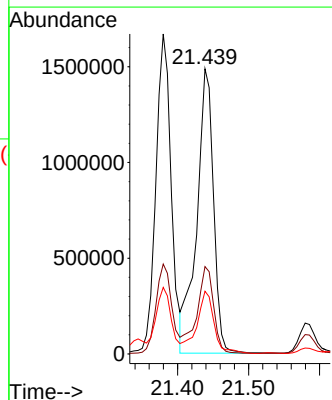
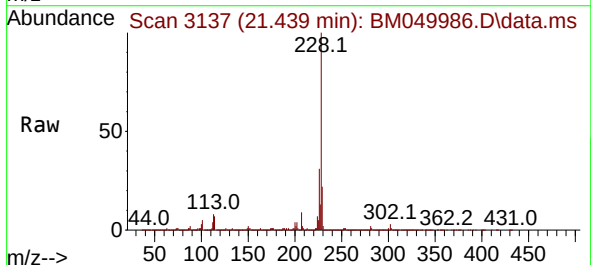
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01DL

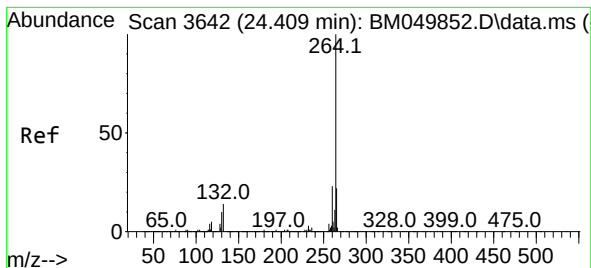
Tgt Ion:228 Resp: 2478510
Ion Ratio Lower Upper
228 100
226 28.1 21.8 32.8
229 20.8 15.8 23.8



#83
Chrysene
Concen: 17.976 ng
RT: 21.439 min Scan# 3137
Delta R.T. -0.012 min
Lab File: BM049986.D
Acq: 21 Apr 2025 15:53

Tgt Ion:228 Resp: 2453189
Ion Ratio Lower Upper
228 100
226 30.7 24.1 36.1
229 22.0 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.397 min Scan# 30

Delta R.T. -0.012 min

Lab File: BM049986.D

Acq: 21 Apr 2025 15:53

Instrument :

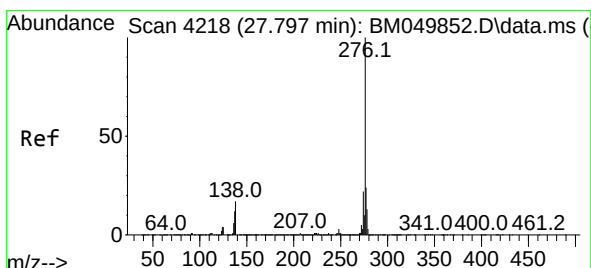
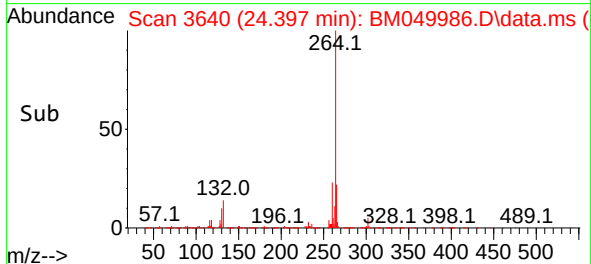
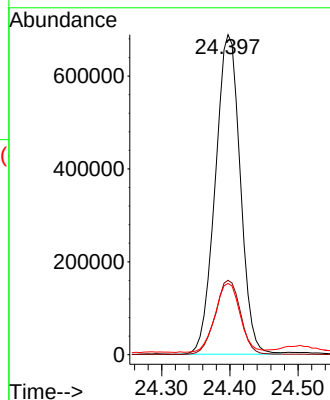
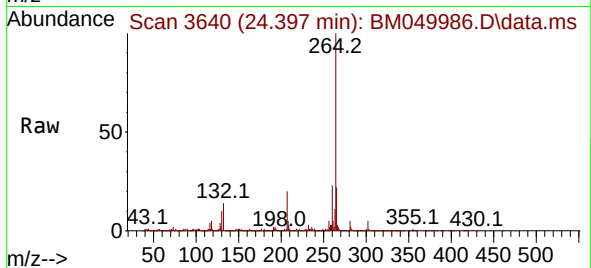
BNA_M

ClientSampleId :

PL-714-COMP-01DL

Tgt Ion:264 Resp: 1753279

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	22.3	17.8	26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.994 ng

RT: 27.785 min Scan# 4216

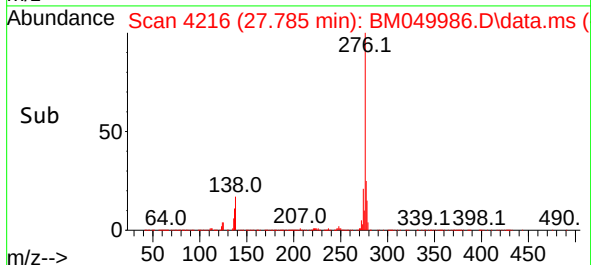
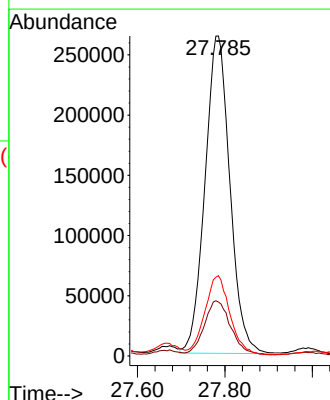
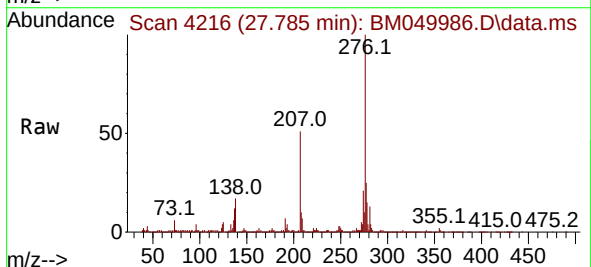
Delta R.T. -0.012 min

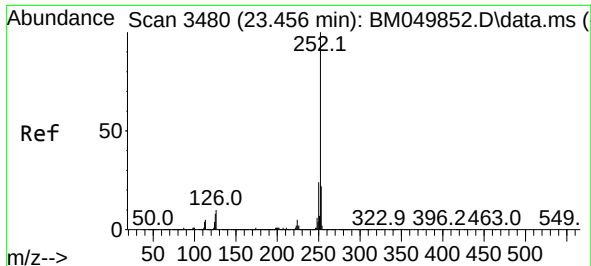
Lab File: BM049986.D

Acq: 21 Apr 2025 15:53

Tgt Ion:276 Resp: 1044730

Ion	Ratio	Lower	Upper
276	100		
138	18.1	16.8	25.2
277	25.1	20.1	30.1

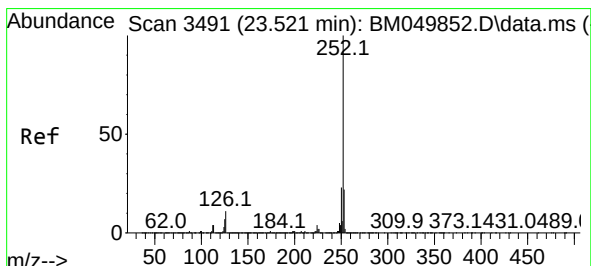
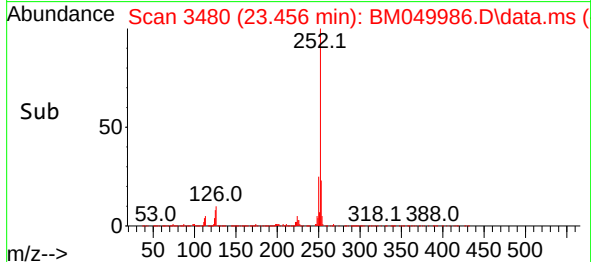
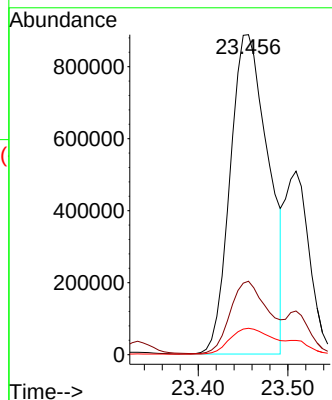
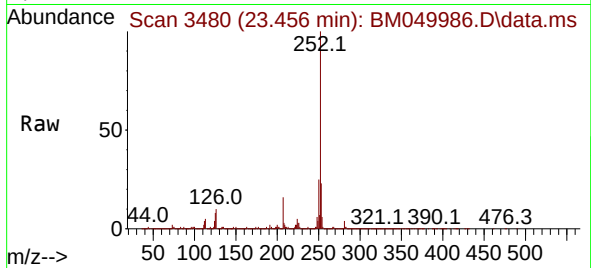




#88
Benzo(b)fluoranthene
Concen: 23.512 ng
RT: 23.456 min Scan# 3480
Delta R.T. -0.000 min
Lab File: BM049986.D
Acq: 21 Apr 2025 15:53

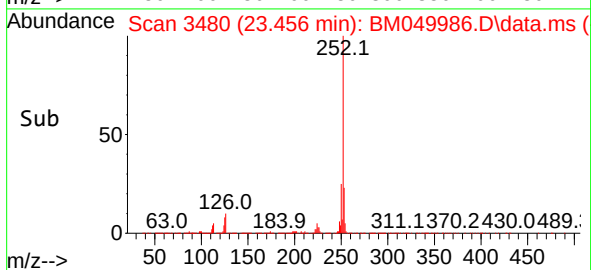
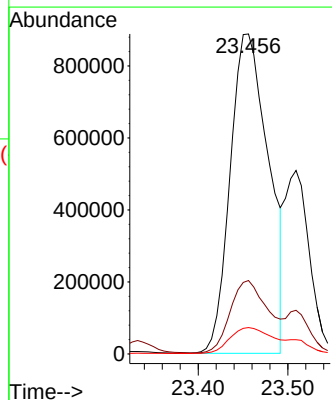
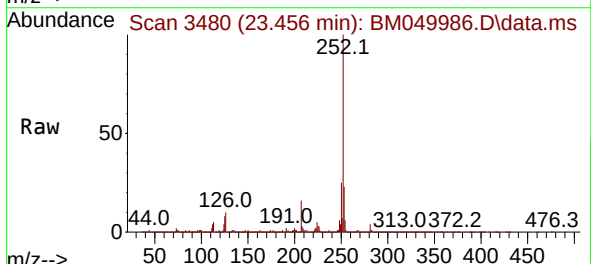
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01DL

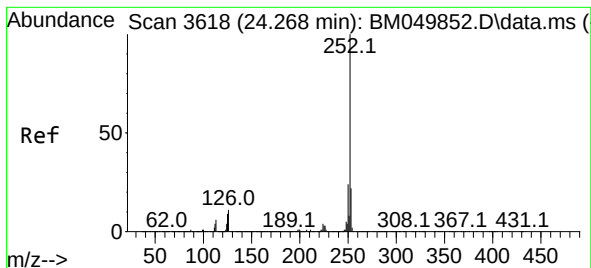
Tgt Ion:252 Resp: 2632749
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 8.3 6.2 9.4



#89
Benzo(k)fluoranthene
Concen: 24.262 ng
RT: 23.456 min Scan# 3480
Delta R.T. -0.065 min
Lab File: BM049986.D
Acq: 21 Apr 2025 15:53

Tgt Ion:252 Resp: 2632749
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 8.3 5.8 8.8





#90

Benzo(a)pyrene

Concen: 17.905 ng

RT: 24.256 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM049986.D

Acq: 21 Apr 2025 15:53

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-01DL

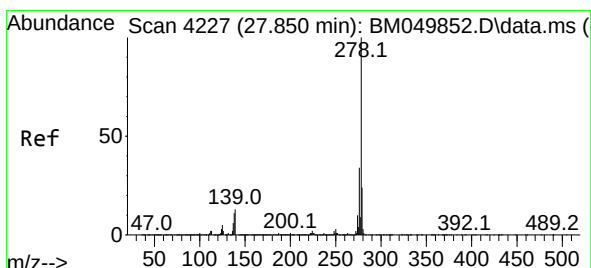
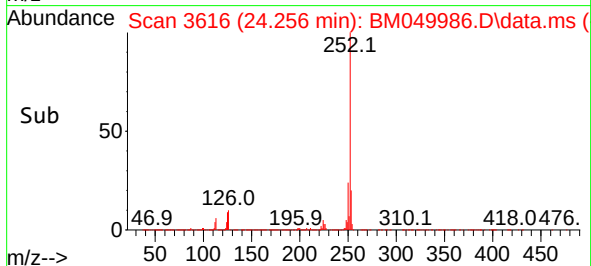
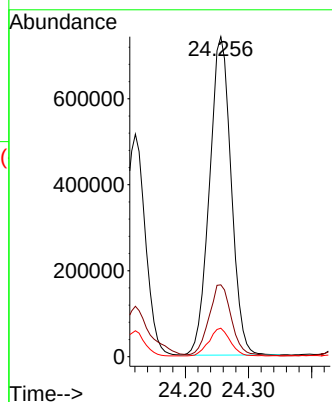
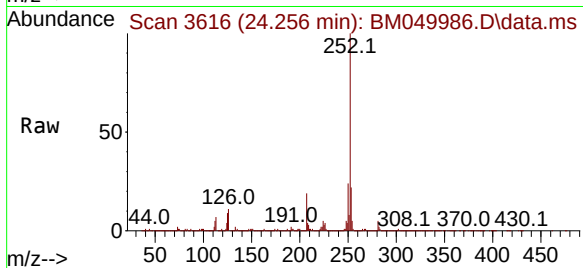
Tgt Ion:252 Resp: 1761759

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 8.9 7.0 10.4



#91

Dibenzo(a,h)anthracene

Concen: 2.504 ng

RT: 27.815 min Scan# 4221

Delta R.T. -0.035 min

Lab File: BM049986.D

Acq: 21 Apr 2025 15:53

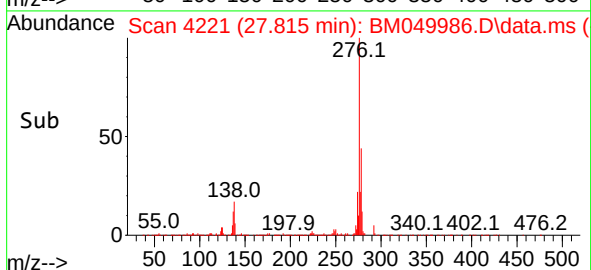
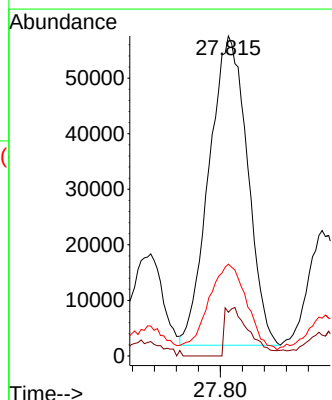
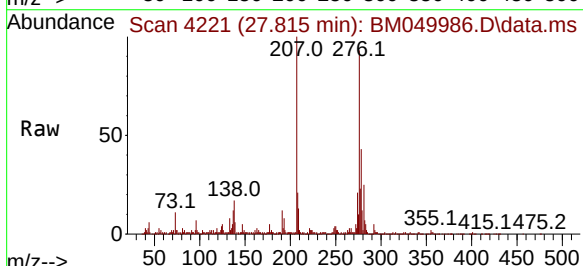
Tgt Ion:278 Resp: 269541

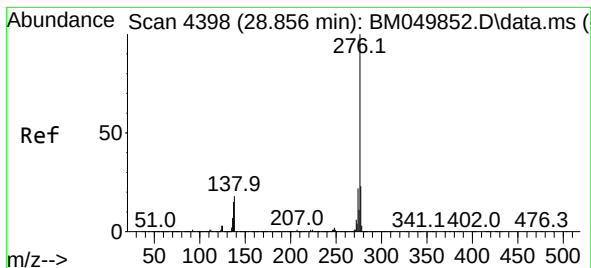
Ion Ratio Lower Upper

278 100

139 13.6 10.6 15.8

279 28.7 19.1 28.7#





#92

Benzo(g,h,i)perylene

Concen: 8.948 ng

RT: 28.838 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM049986.D

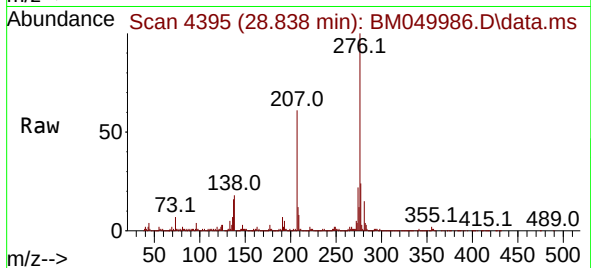
Acq: 21 Apr 2025 15:53

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-01DL



Tgt Ion:276 Resp: 984281

Ion Ratio Lower Upper

276 100

277 24.1 18.7 28.1

138 17.6 14.6 21.8

