

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
 Data File : BM049966.D
 Acq On : 18 Apr 2025 15:08
 Operator : RC/JU
 Sample : Q1832-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Apr 18 15:42:08 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)

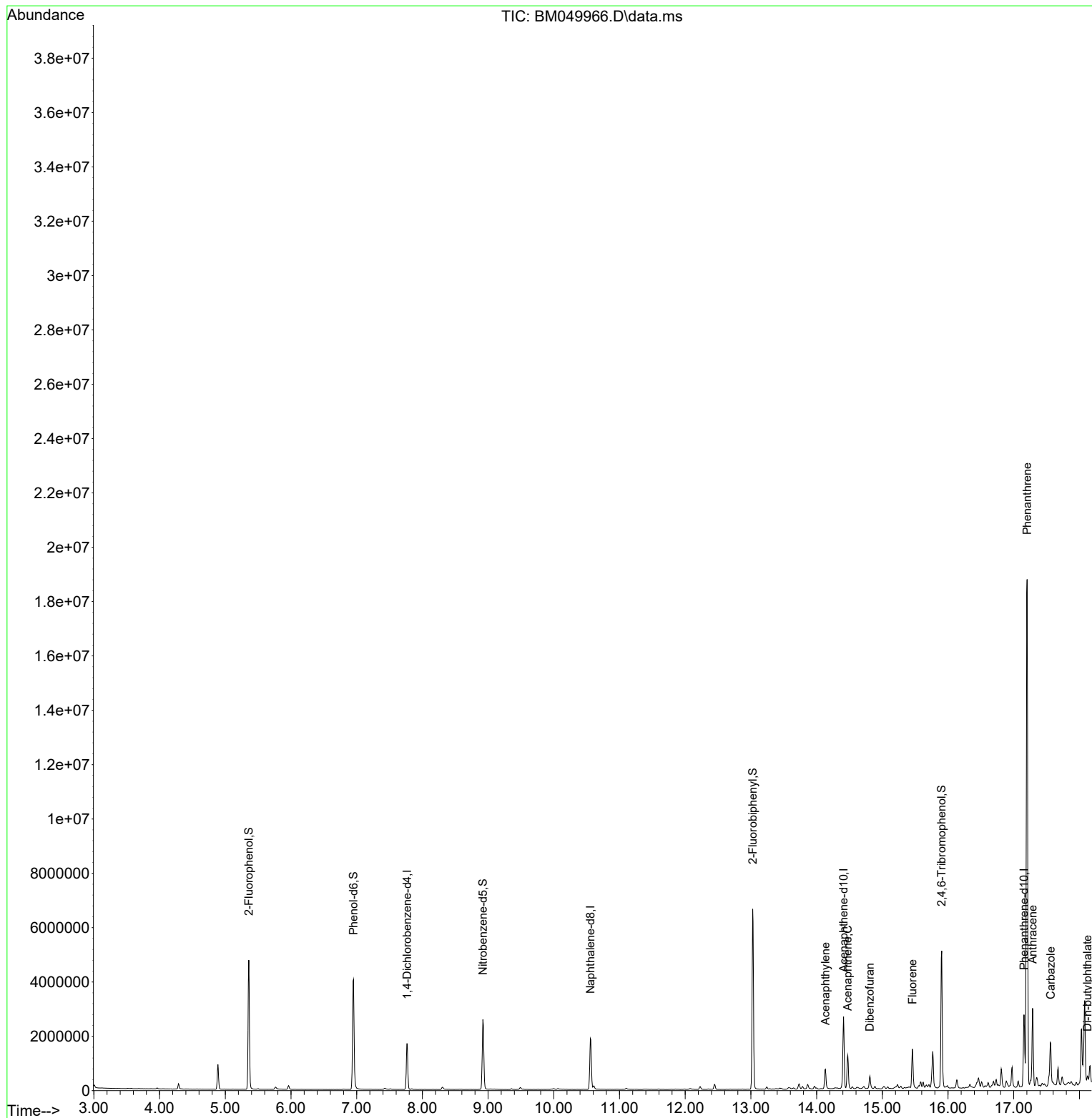
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	506120	20.000	ng	-0.01
21) Naphthalene-d8	10.557	136	1642428	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	941403	20.000	ng	-0.01
64) Phenanthrene-d10	17.156	188	1676116	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1755381	20.000	ng	0.00
86) Perylene-d12	24.397	264	1744669	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2119508	71.111	ng	0.00
7) Phenol-d6	6.951	99	2569278	69.284	ng	0.00
23) Nitrobenzene-d5	8.922	82	1533835	52.003	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	992644	72.493	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	3705971	53.381	ng	-0.02
79) Terphenyl-d14	19.780	244	4405091	47.029	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.133	152	596543	7.445	ng	99
52) Acenaphthene	14.474	154	462932	9.084	ng	99
55) Dibenzofuran	14.810	168	279574	3.282	ng	99
58) Fluorene	15.457	166	666399	9.840	ng	98
71) Phenanthrene	17.204	178	12204386	132.813	ng	97
72) Anthracene	17.286	178	1848775	20.416	ng	99
73) Carbazole	17.562	167	1069351	12.537	ng	99
74) Di-n-butylphthalate	18.121	149	223724	2.277	ng	97
75) Fluoranthene	19.215	202	16585735	146.797	ng	85
78) Pyrene	19.580	202	16184959	133.785	ng	# 78
81) Benzo(a)anthracene	21.380	228	10041235	86.071	ng	95
83) Chrysene	21.444	228	10195692m	91.926	ng	
87) Indeno(1,2,3-cd)pyrene	27.797	276	5975397	45.947	ng	# 95
88) Benzo(b)fluoranthene	23.462	252	13169279	118.189	ng	98
89) Benzo(k)fluoranthene	23.515	252	4900936m	45.388	ng	
90) Benzo(a)pyrene	24.268	252	9386202	95.863	ng	98
91) Dibenzo(a,h)anthracene	27.826	278	1514092	14.134	ng	95
92) Benzo(g,h,i)perylene	28.862	276	5536704	50.581	ng	98

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

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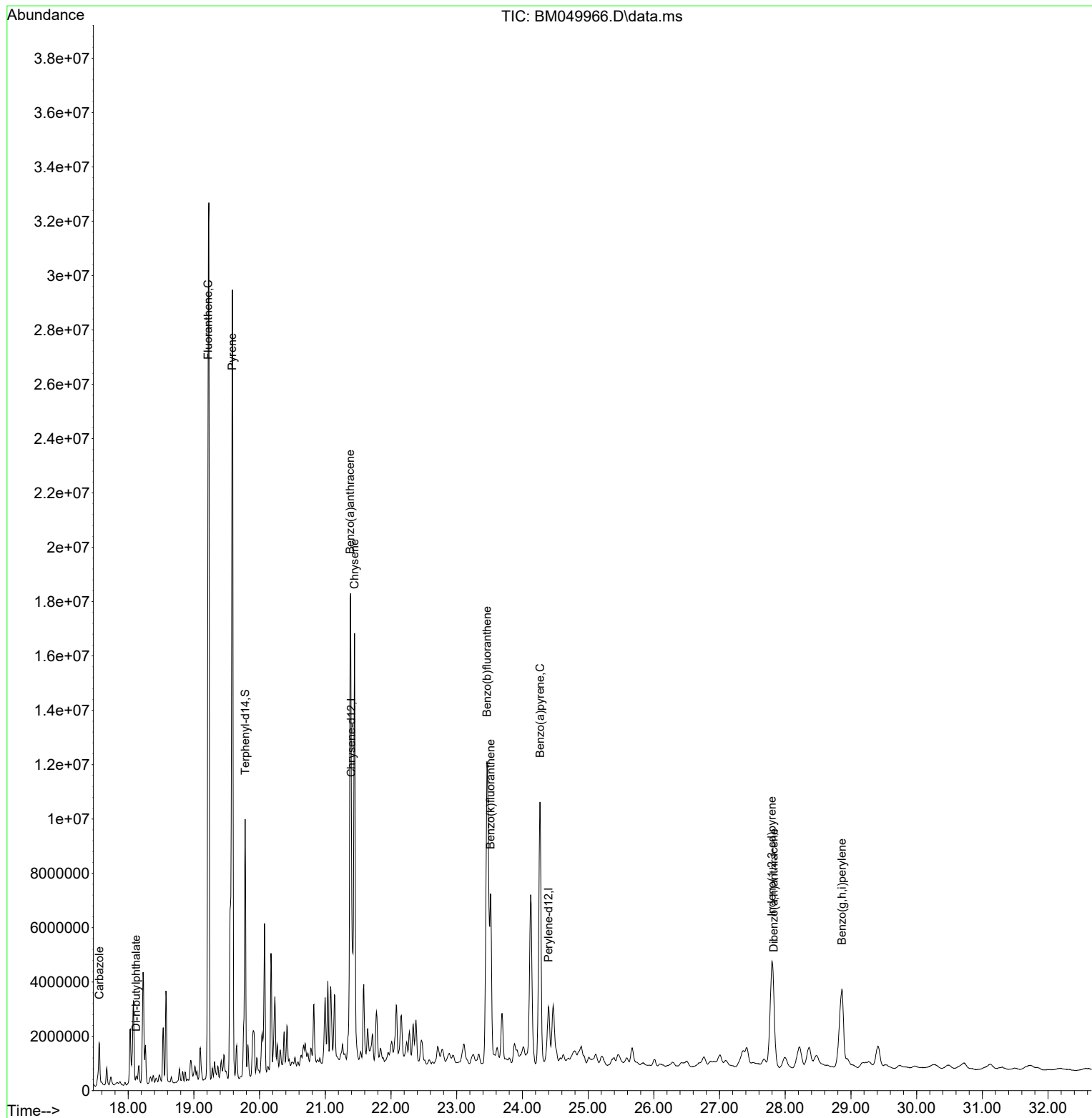
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Data File : BM049966.D
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Sample : Q1832-01
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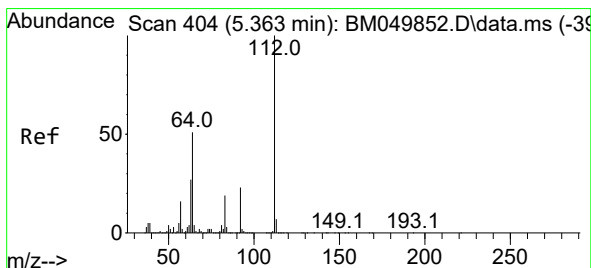
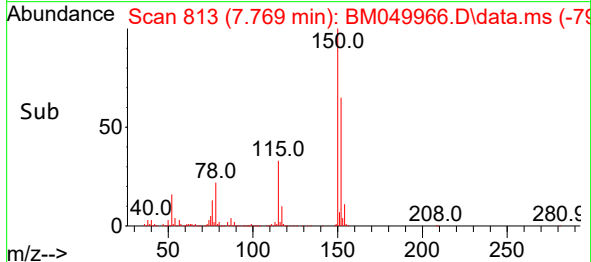
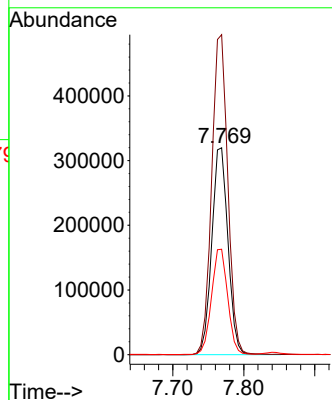
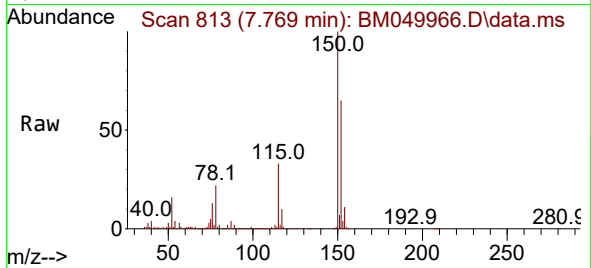




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049966.D
Acq: 18 Apr 2025 15:08

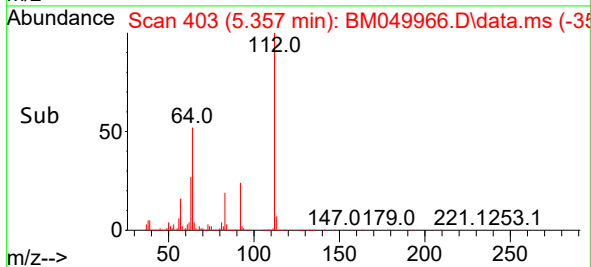
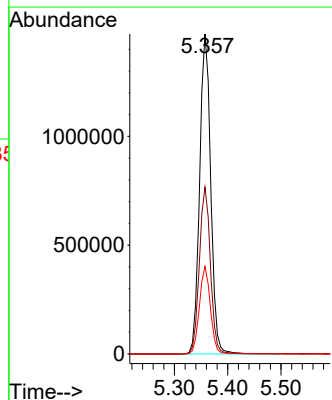
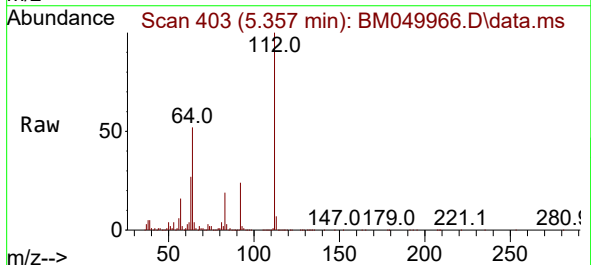
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01

Tgt Ion:152 Resp: 506120
Ion Ratio Lower Upper
152 100
150 154.6 124.3 186.5
115 51.0 41.1 61.7



#5
2-Fluorophenol
Concen: 71.111 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049966.D
Acq: 18 Apr 2025 15:08

Tgt Ion:112 Resp: 2119508
Ion Ratio Lower Upper
112 100
64 52.1 41.0 61.6
63 27.4 21.5 32.3



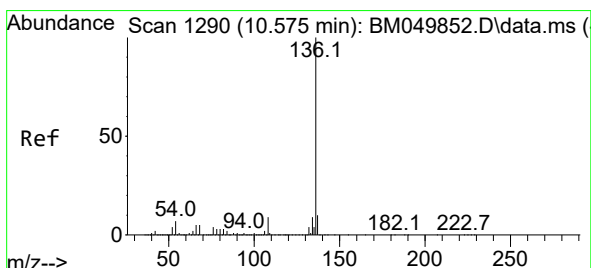
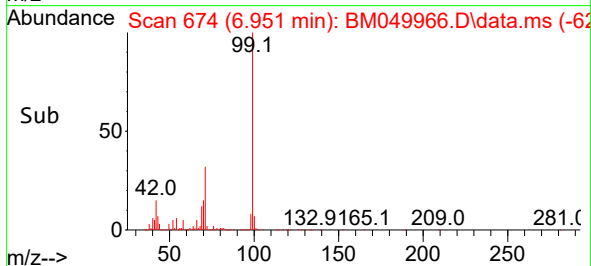
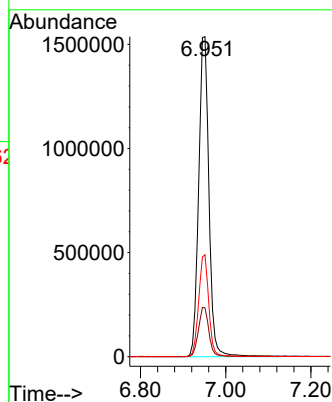
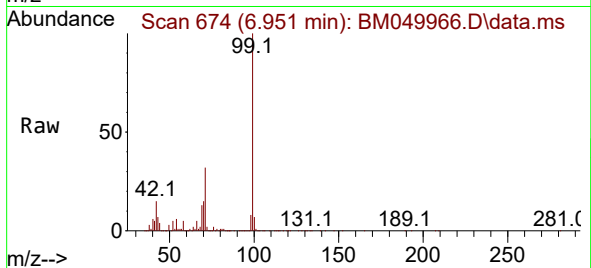


#7
Phenol-d6
Concen: 69.284 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049966.D
Acq: 18 Apr 2025 15:08

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

Tgt Ion: 99 Resp: 2569278

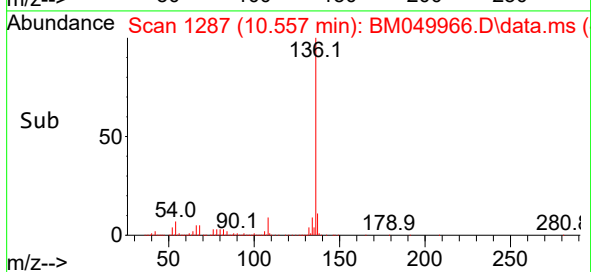
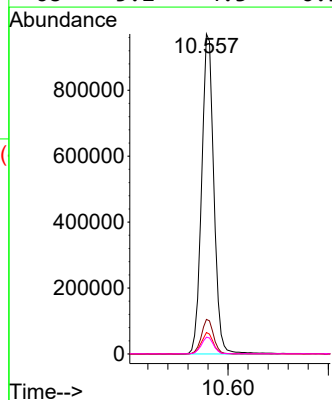
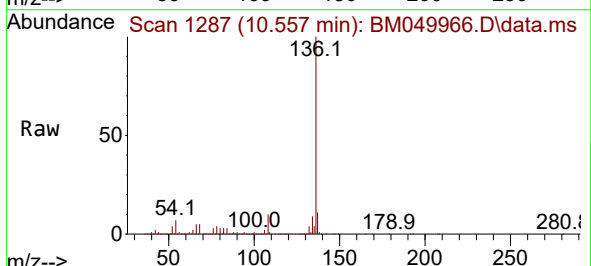
Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.1	18.1
71	31.8	24.9	37.3

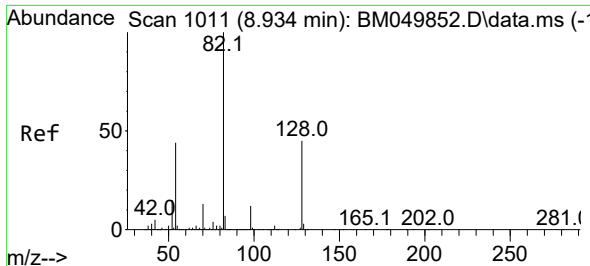


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM049966.D
Acq: 18 Apr 2025 15:08

Tgt Ion: 136 Resp: 1642428

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.7	5.3	7.9
68	5.2	4.3	6.5

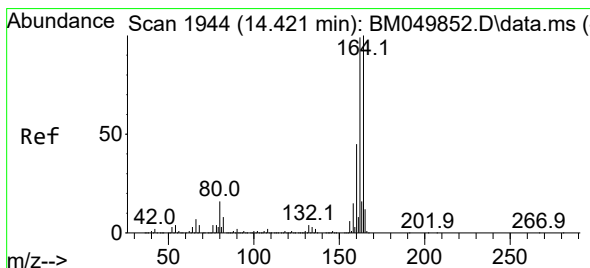
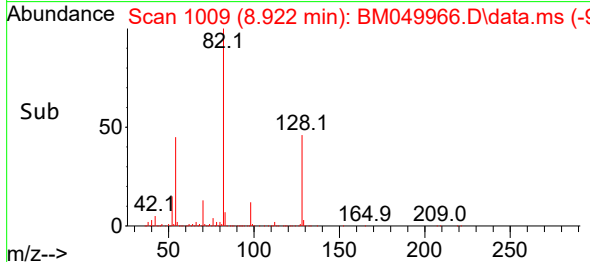
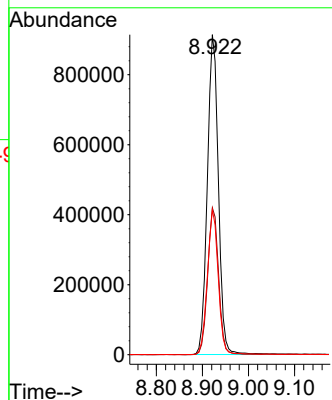
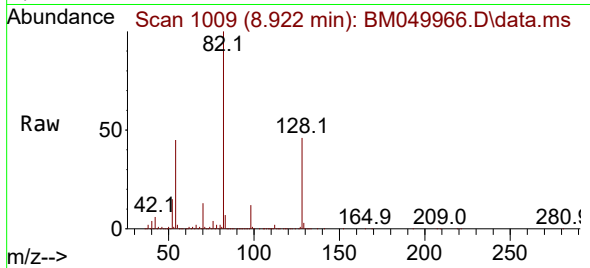




#23
Nitrobenzene-d5
Concen: 52.003 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BM049966.D
Acq: 18 Apr 2025 15:08

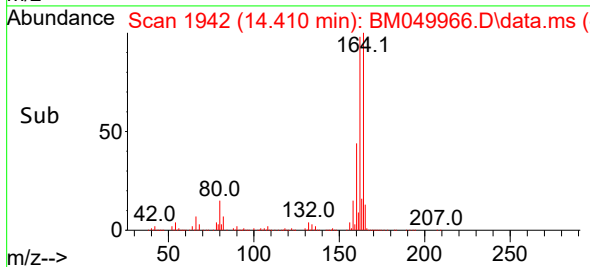
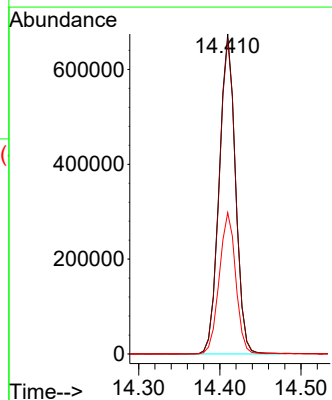
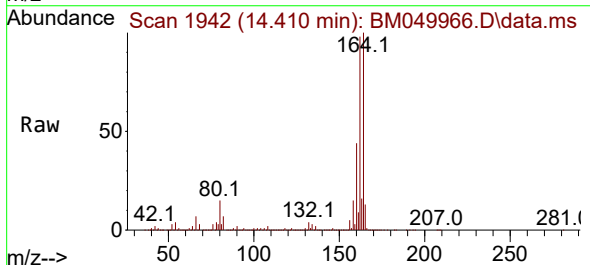
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01

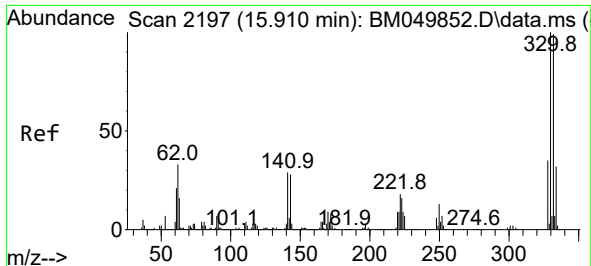
Tgt Ion: 82 Resp: 1533835
Ion Ratio Lower Upper
82 100
128 45.9 36.2 54.2
54 45.4 35.0 52.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM049966.D
Acq: 18 Apr 2025 15:08

Tgt Ion:164 Resp: 941403
Ion Ratio Lower Upper
164 100
162 98.5 79.4 119.0
160 44.2 36.2 54.2

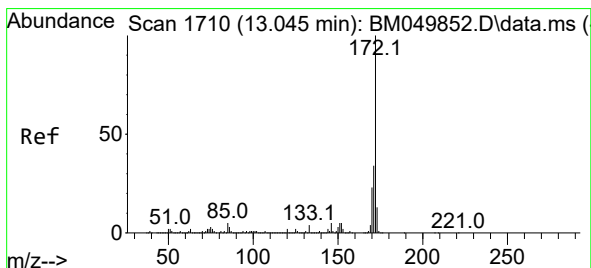
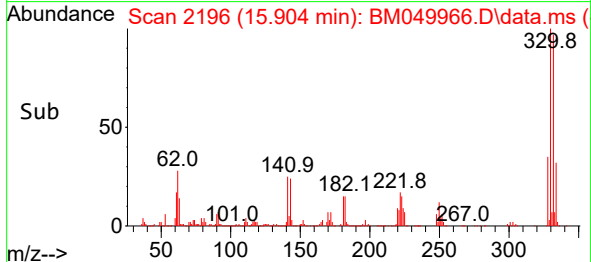
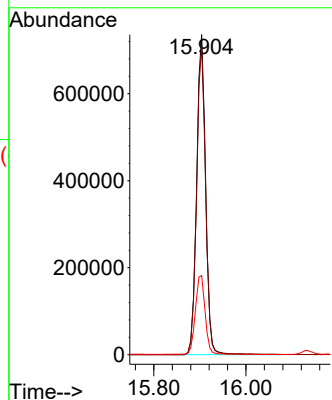
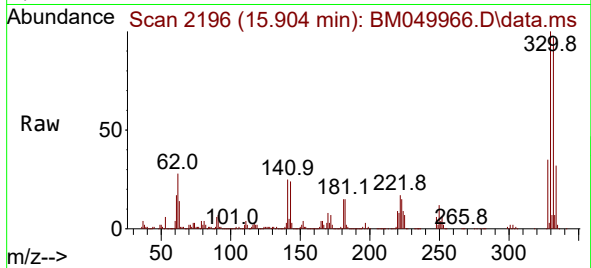




#42
2,4,6-Tribromophenol
Concen: 72.493 ng
RT: 15.904 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BM049966.D
Acq: 18 Apr 2025 15:08

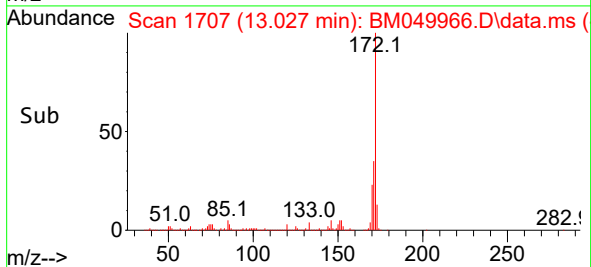
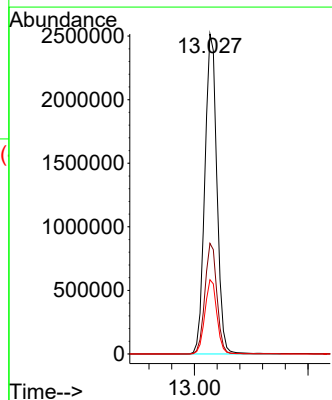
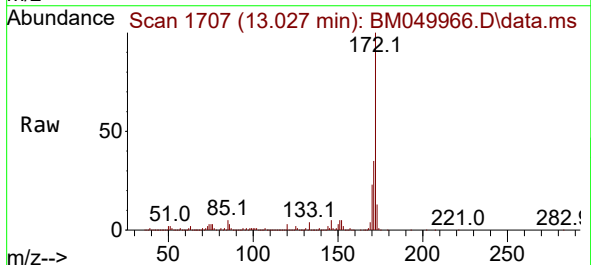
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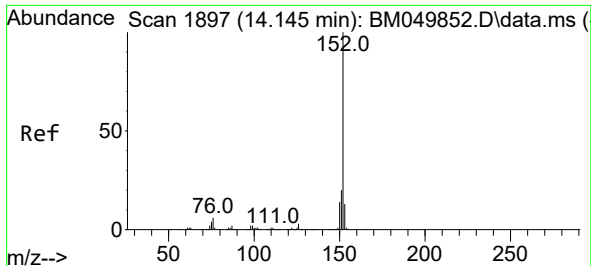
Tgt Ion:330 Resp: 992644
Ion Ratio Lower Upper
330 100
332 96.3 78.0 117.0
141 26.7 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 53.381 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.018 min
Lab File: BM049966.D
Acq: 18 Apr 2025 15:08

Tgt Ion:172 Resp: 3705971
Ion Ratio Lower Upper
172 100
171 34.5 27.4 41.2
170 23.2 18.6 28.0

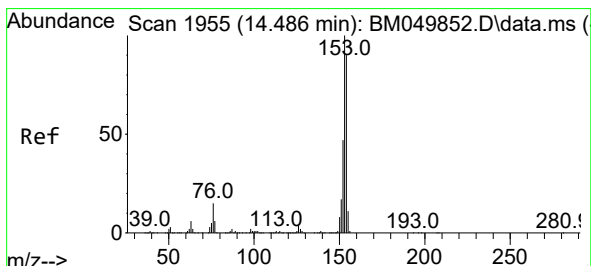
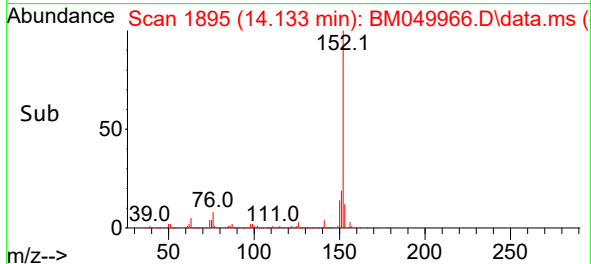
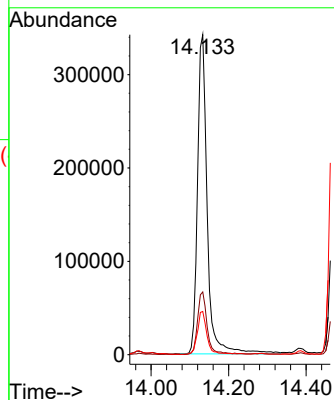
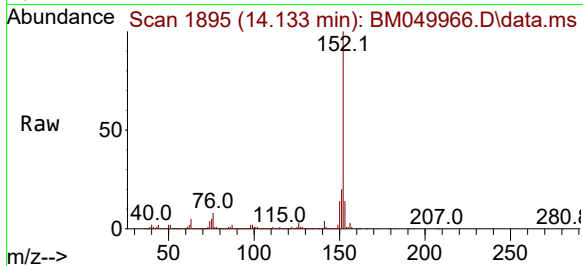




#49
Acenaphthylene
Concen: 7.445 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.012 min
Lab File: BM049966.D
Acq: 18 Apr 2025 15:08

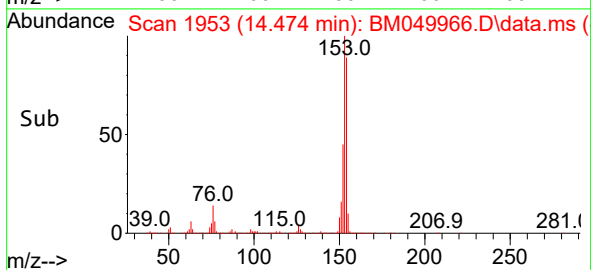
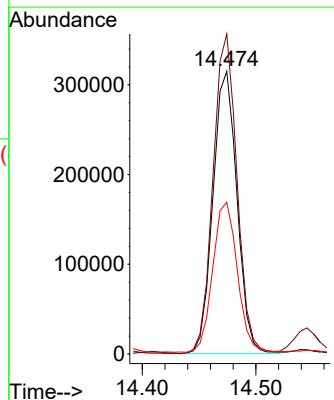
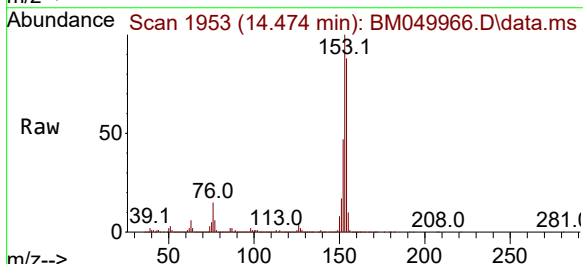
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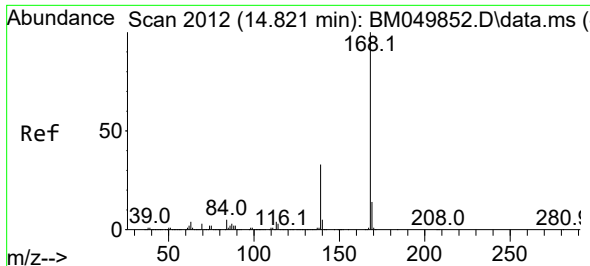
Tgt Ion:152 Resp: 596543
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.5 10.4 15.6



#52
Acenaphthene
Concen: 9.084 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.012 min
Lab File: BM049966.D
Acq: 18 Apr 2025 15:08

Tgt Ion:154 Resp: 462932
Ion Ratio Lower Upper
154 100
153 113.2 89.3 133.9
152 53.7 42.2 63.2

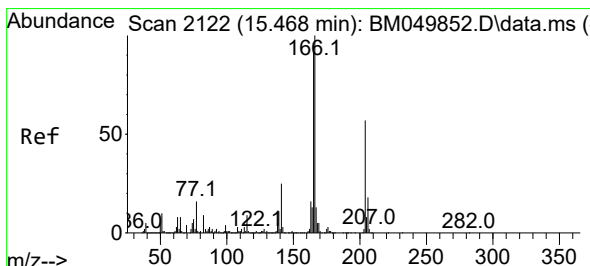
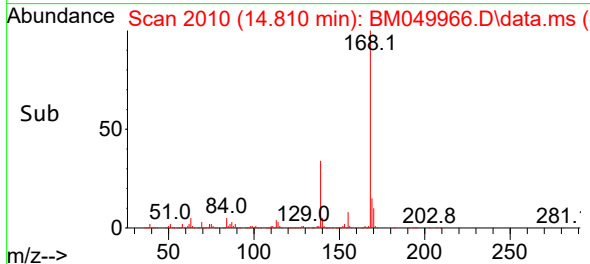
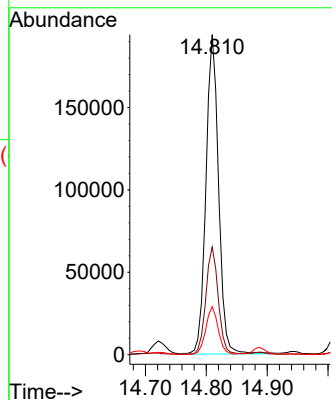
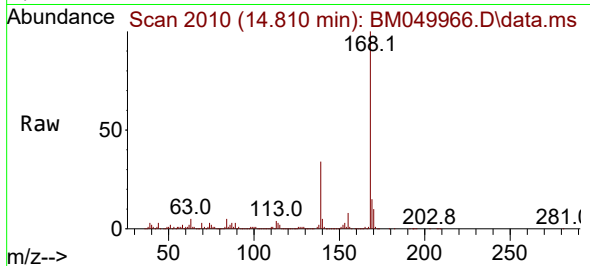




#55
Dibenzenofuran
Concen: 3.282 ng
RT: 14.810 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BM049966.D
Acq: 18 Apr 2025 15:08

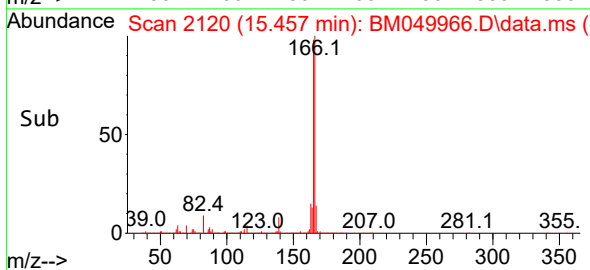
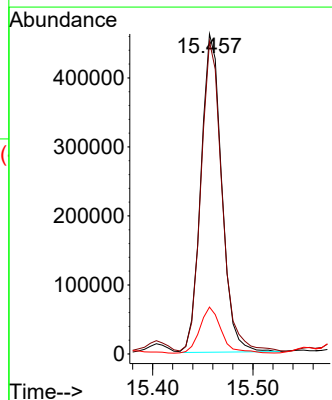
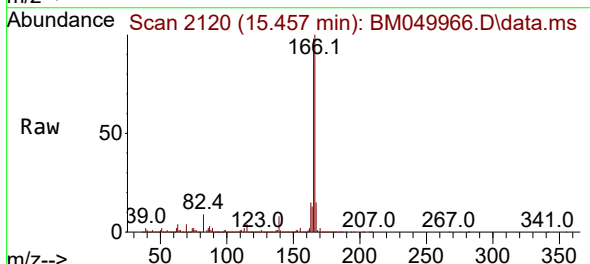
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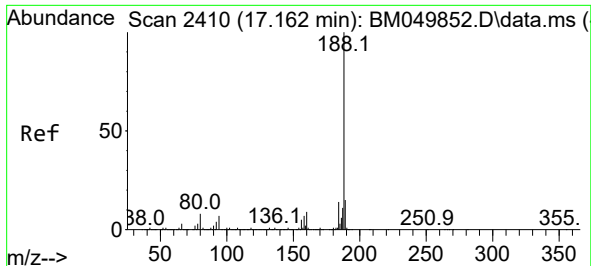
Tgt Ion:168 Resp: 279574
Ion Ratio Lower Upper
168 100
139 33.6 26.6 39.8
169 15.0 11.0 16.4



#58
Fluorene
Concen: 9.840 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.012 min
Lab File: BM049966.D
Acq: 18 Apr 2025 15:08

Tgt Ion:166 Resp: 666399
Ion Ratio Lower Upper
166 100
165 97.7 76.3 114.5
167 14.7 10.7 16.1

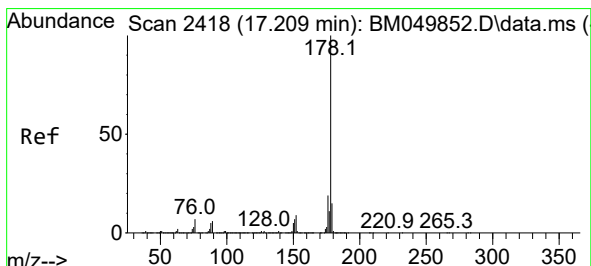
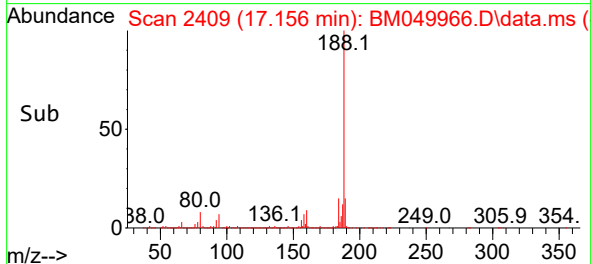
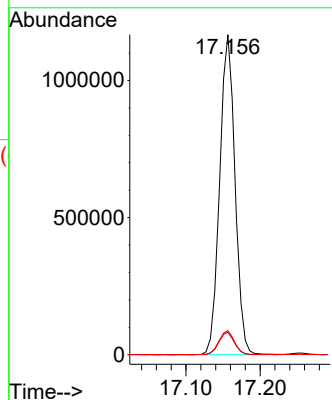
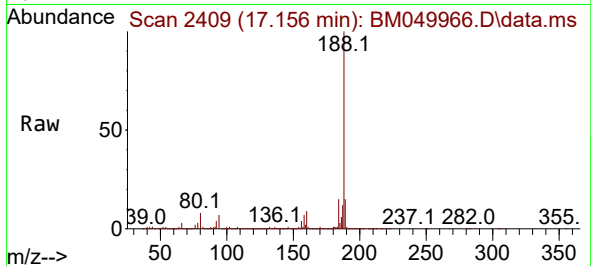




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BM049966.D
Acq: 18 Apr 2025 15:08

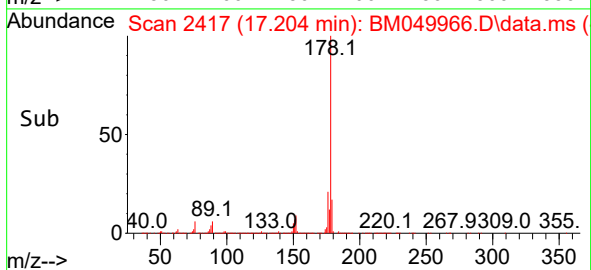
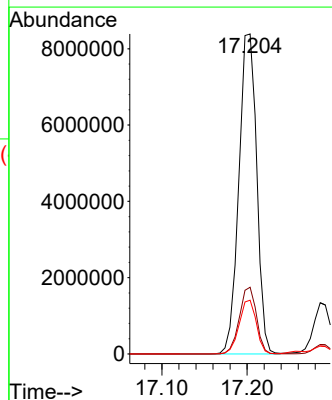
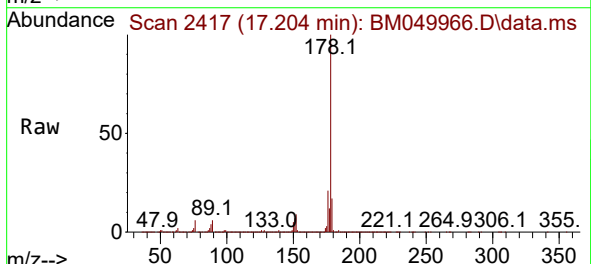
Instrument :
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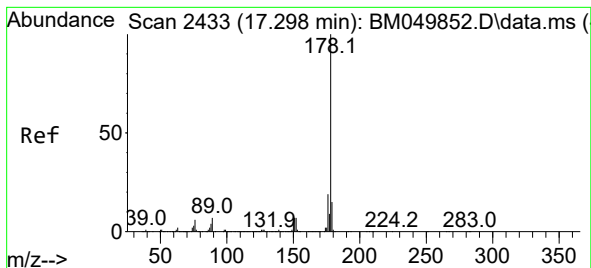
Tgt Ion:188 Resp: 1676116
Ion Ratio Lower Upper
188 100
94 7.1 5.8 8.6
80 7.6 6.4 9.6



#71
Phenanthrene
Concen: 132.813 ng
RT: 17.204 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM049966.D
Acq: 18 Apr 2025 15:08

Tgt Ion:178 Resp:12204386
Ion Ratio Lower Upper
178 100
176 20.8 15.4 23.2
179 16.8 12.3 18.5





#72

Anthracene

Concen: 20.416 ng

RT: 17.286 min Scan# 2433

Delta R.T. -0.012 min

Lab File: BM049966.D

Acq: 18 Apr 2025 15:08

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-01

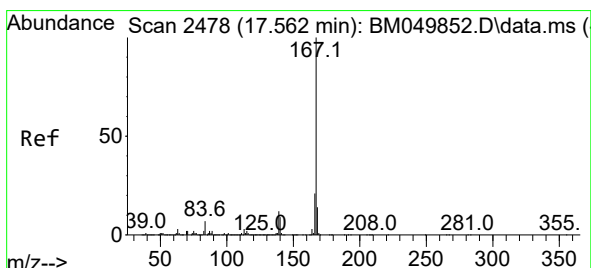
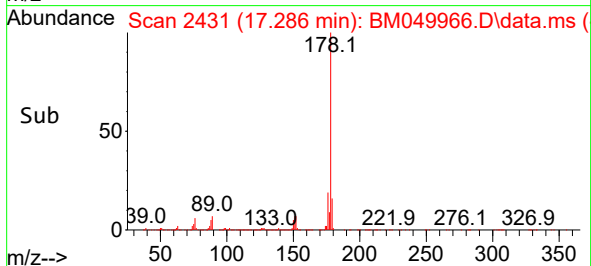
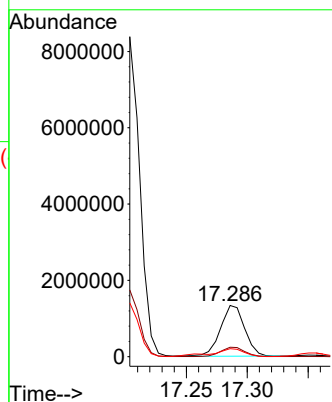
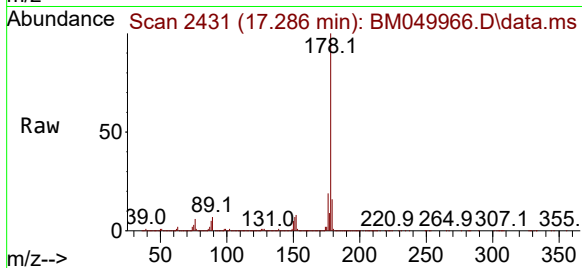
Tgt Ion:178 Resp: 1848775

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

179 15.8 12.4 18.6



#73

Carbazole

Concen: 12.537 ng

RT: 17.562 min Scan# 2478

Delta R.T. -0.000 min

Lab File: BM049966.D

Acq: 18 Apr 2025 15:08

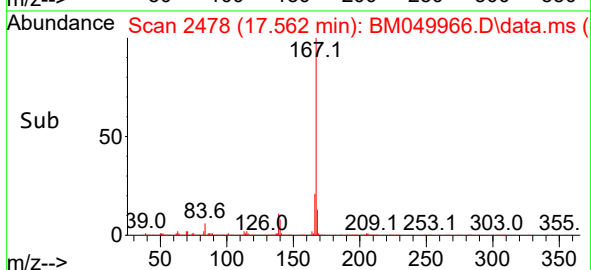
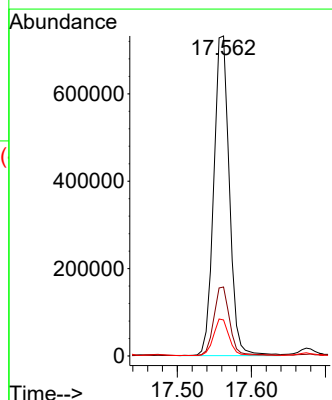
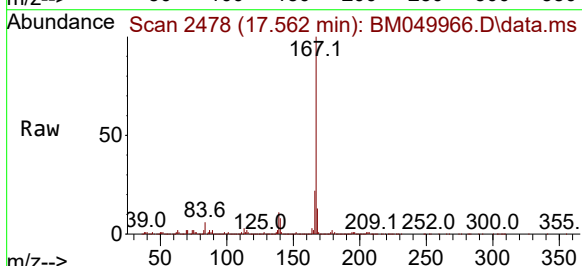
Tgt Ion:167 Resp: 1069351

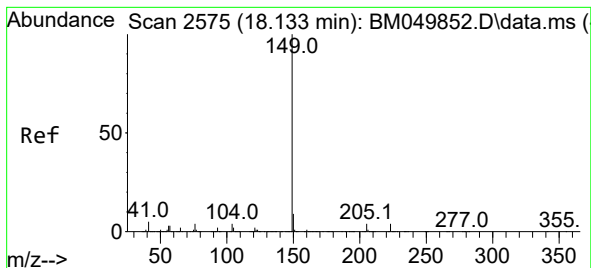
Ion Ratio Lower Upper

167 100

166 21.5 16.9 25.3

139 11.3 9.3 13.9





#74

Di-n-butylphthalate

Concen: 2.277 ng

RT: 18.121 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM049966.D

Acq: 18 Apr 2025 15:08

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-01

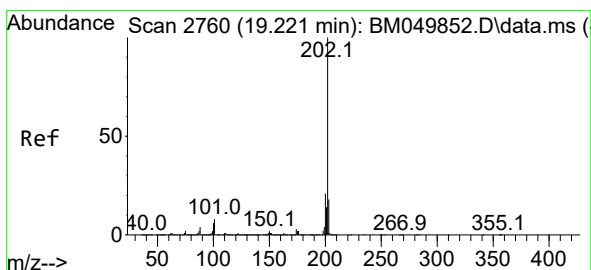
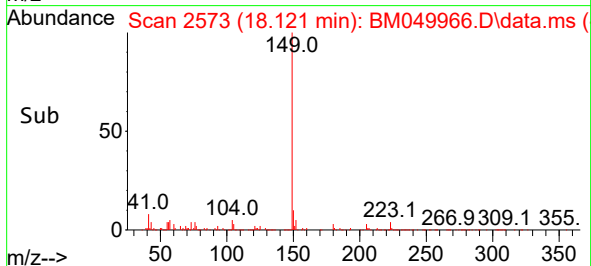
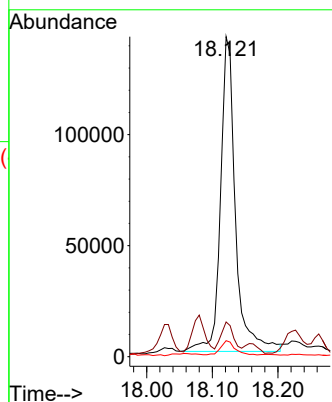
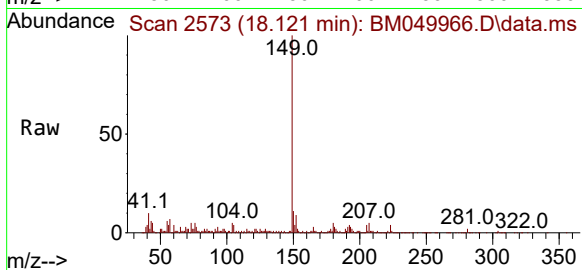
Tgt Ion:149 Resp: 223724

Ion Ratio Lower Upper

149 100

150 10.9 7.5 11.3

104 5.0 3.5 5.3



#75

Fluoranthene

Concen: 146.797 ng

RT: 19.215 min Scan# 2759

Delta R.T. -0.006 min

Lab File: BM049966.D

Acq: 18 Apr 2025 15:08

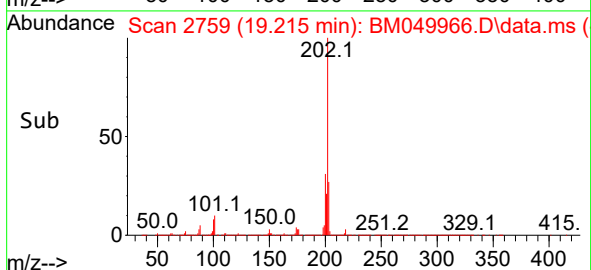
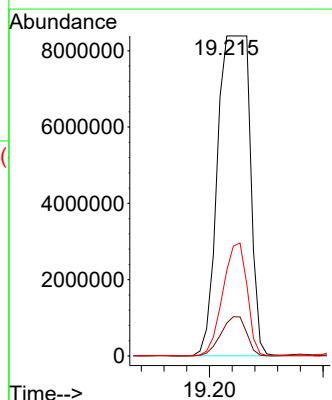
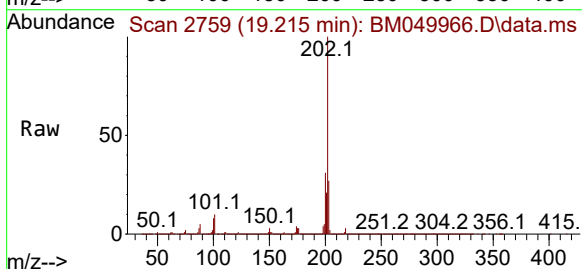
Tgt Ion:202 Resp:16585735

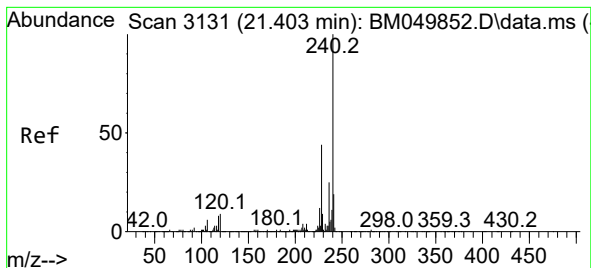
Ion Ratio Lower Upper

202 100

101 10.3 0.0 28.4

203 26.7 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.397 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM049966.D

Acq: 18 Apr 2025 15:08

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-01

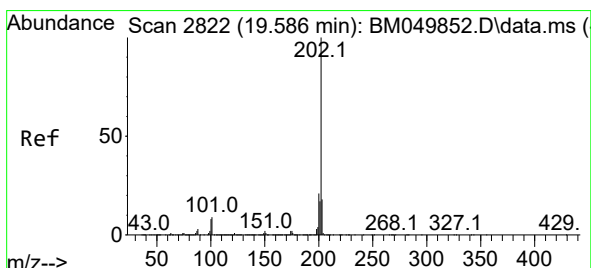
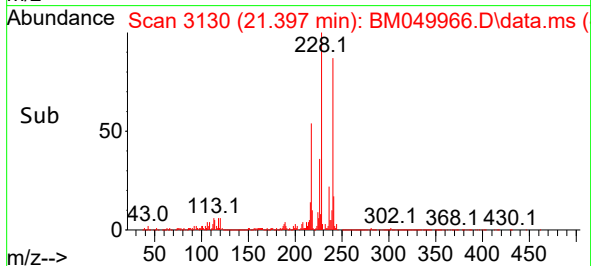
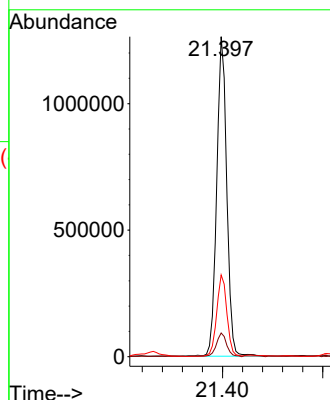
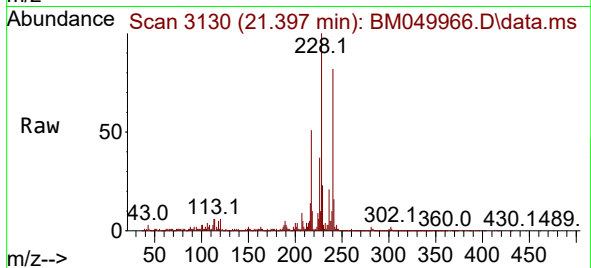
Tgt Ion:240 Resp: 1755381

Ion Ratio Lower Upper

240 100

120 7.4 6.9 10.3

236 25.5 20.4 30.6



#78

Pyrene

Concen: 133.785 ng

RT: 19.580 min Scan# 2821

Delta R.T. -0.006 min

Lab File: BM049966.D

Acq: 18 Apr 2025 15:08

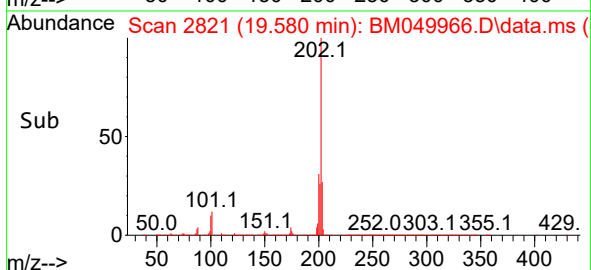
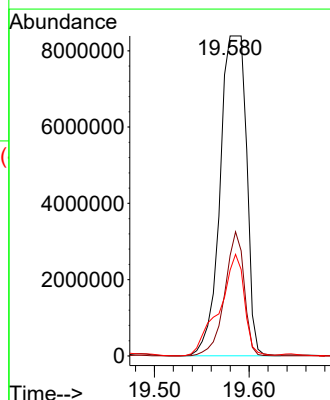
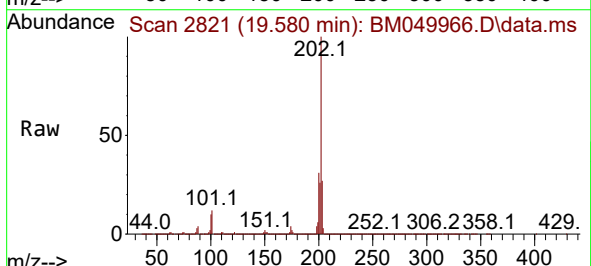
Tgt Ion:202 Resp:16184959

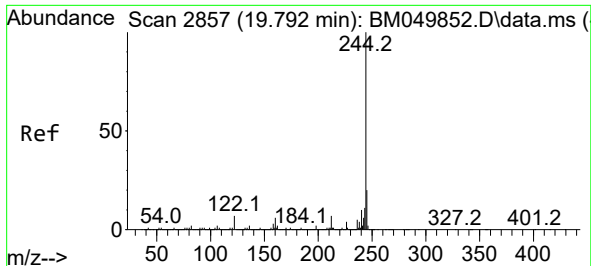
Ion Ratio Lower Upper

202 100

200 31.4 16.5 24.7#

203 26.8 14.0 21.0#

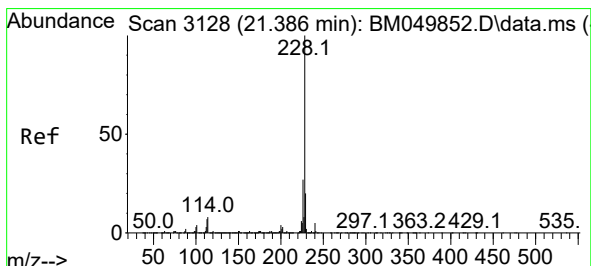
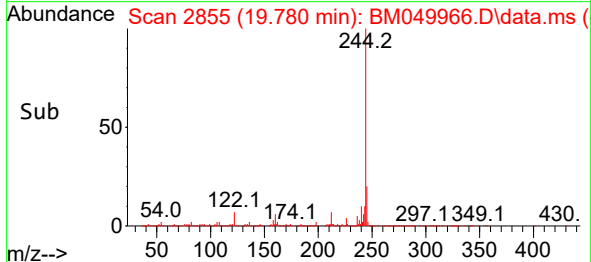
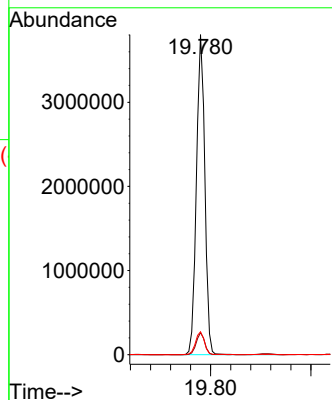
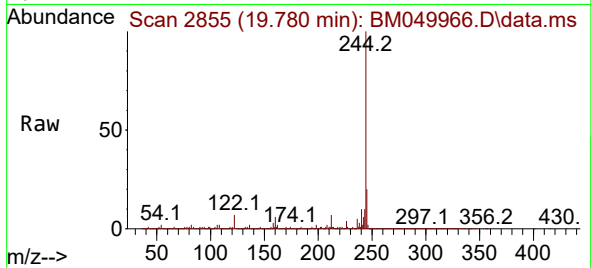




#79
 Terphenyl-d14
 Concen: 47.029 ng
 RT: 19.780 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM049966.D
 Acq: 18 Apr 2025 15:08

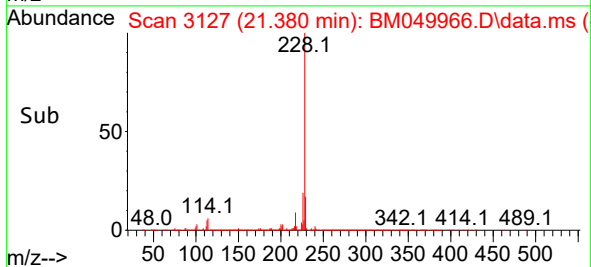
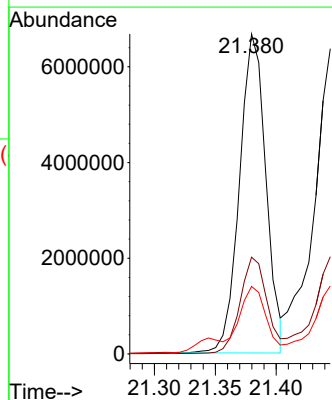
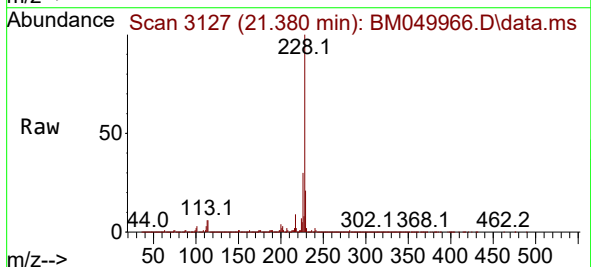
Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-01

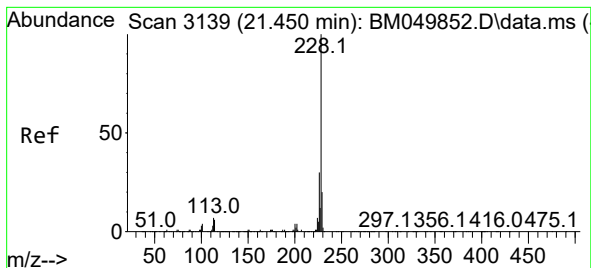
Tgt Ion:244 Resp: 4405091
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 7.1 5.4 8.0



#81
 Benzo(a)anthracene
 Concen: 86.071 ng
 RT: 21.380 min Scan# 3127
 Delta R.T. -0.006 min
 Lab File: BM049966.D
 Acq: 18 Apr 2025 15:08

Tgt Ion:228 Resp:10041235
 Ion Ratio Lower Upper
 228 100
 226 30.3 21.8 32.8
 229 21.1 15.8 23.8





#83

Chrysene

Concen: 91.926 ng m

RT: 21.444 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM049966.D

Acq: 18 Apr 2025 15:08

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-01

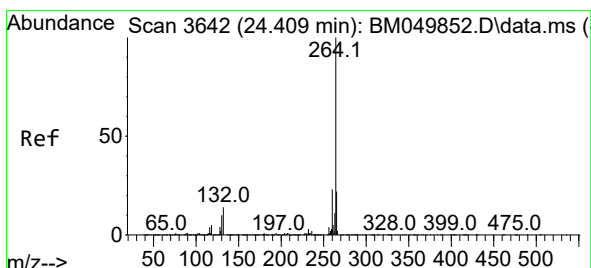
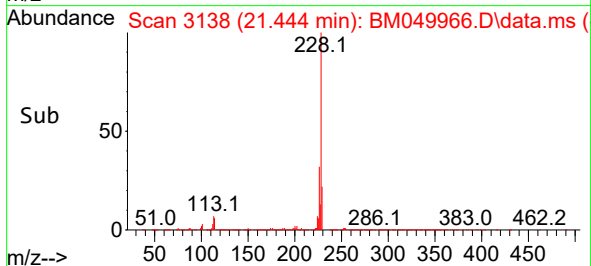
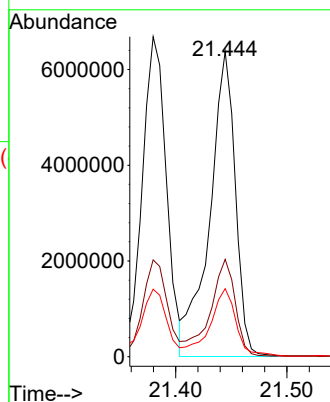
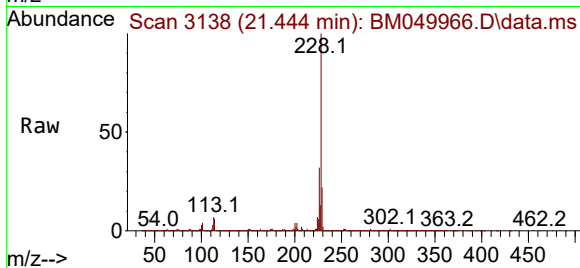
Tgt Ion:228 Resp:10195692

Ion Ratio Lower Upper

228 100

226 31.9 24.1 36.1

229 22.3 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.397 min Scan# 3640

Delta R.T. -0.012 min

Lab File: BM049966.D

Acq: 18 Apr 2025 15:08

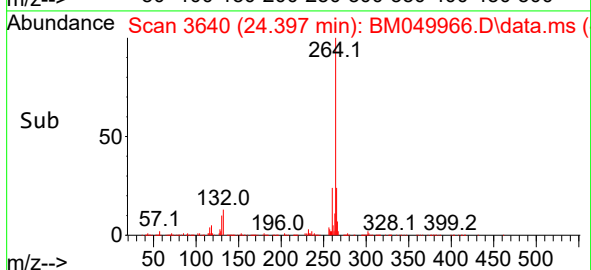
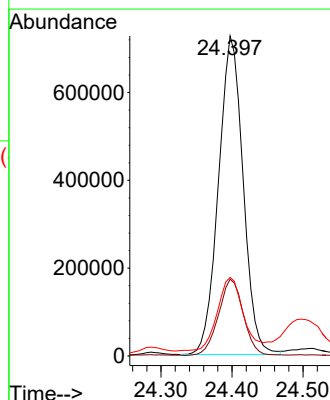
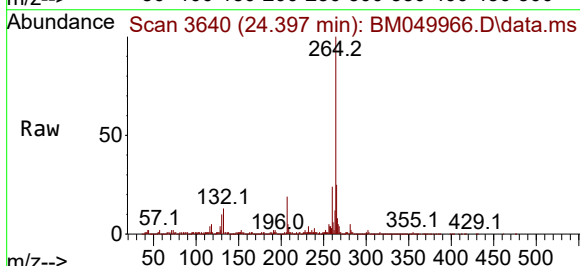
Tgt Ion:264 Resp: 1744669

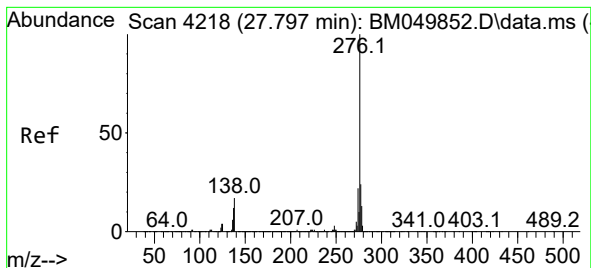
Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 24.6 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.947 ng

RT: 27.797 min Scan# 41

Delta R.T. -0.000 min

Lab File: BM049966.D

Acq: 18 Apr 2025 15:08

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-01

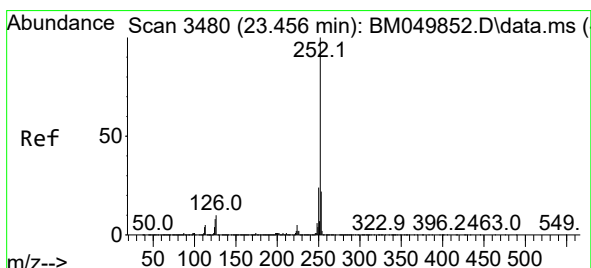
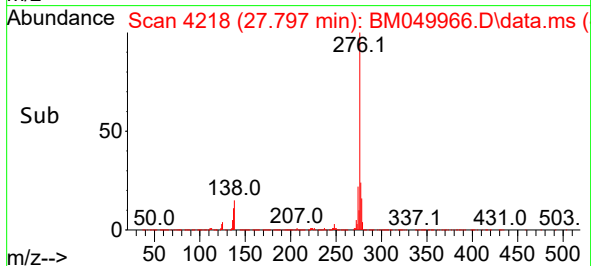
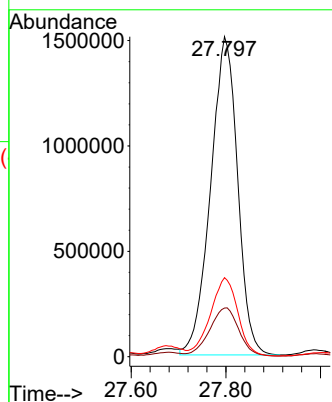
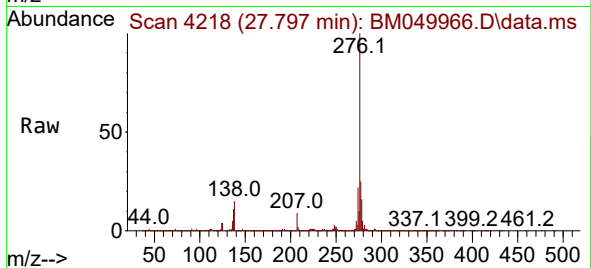
Tgt Ion:276 Resp: 5975397

Ion Ratio Lower Upper

276 100

138 16.3 16.8 25.2#

277 25.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 118.189 ng

RT: 23.462 min Scan# 3481

Delta R.T. 0.006 min

Lab File: BM049966.D

Acq: 18 Apr 2025 15:08

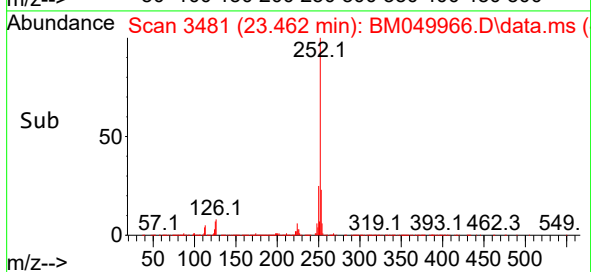
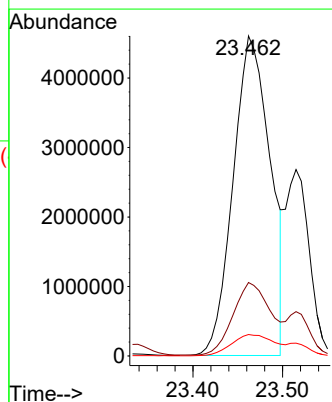
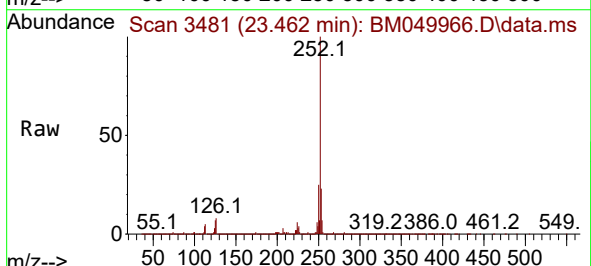
Tgt Ion:252 Resp:13169279

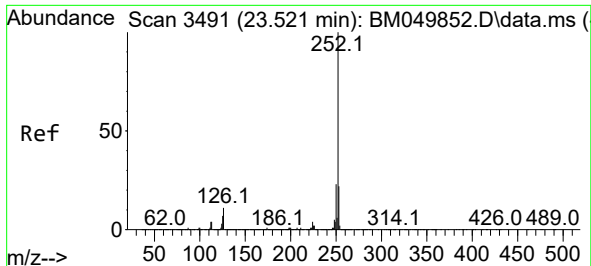
Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 6.7 6.2 9.4

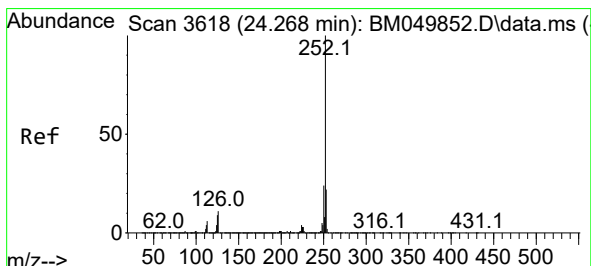
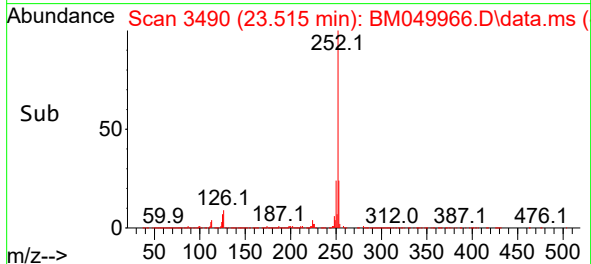
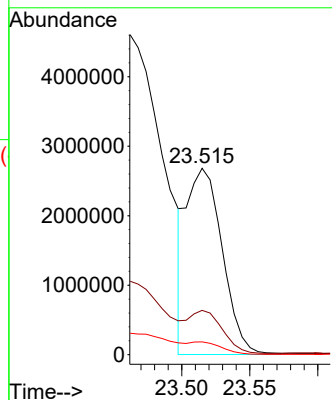
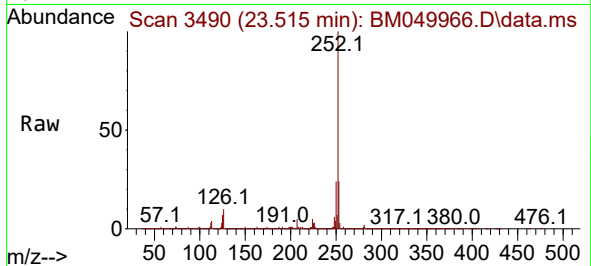




#89
Benzo(k)fluoranthene
Concen: 45.388 ng m
RT: 23.515 min Scan# 3491
Delta R.T. -0.006 min
Lab File: BM049966.D
Acq: 18 Apr 2025 15:08

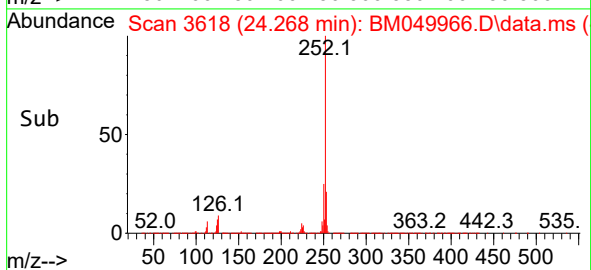
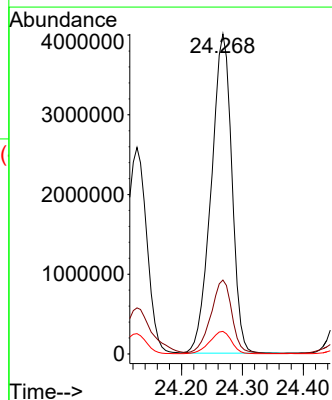
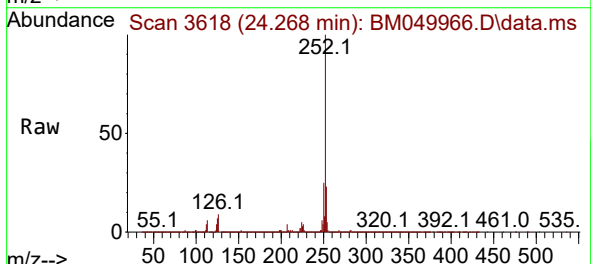
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01

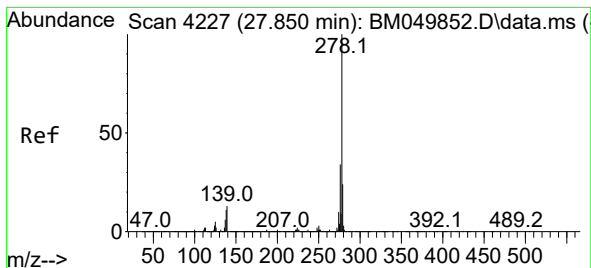
Tgt Ion:252 Resp: 4900936
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.2
125 6.9 5.8 8.8



#90
Benzo(a)pyrene
Concen: 95.863 ng
RT: 24.268 min Scan# 3618
Delta R.T. -0.000 min
Lab File: BM049966.D
Acq: 18 Apr 2025 15:08

Tgt Ion:252 Resp: 9386202
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 7.0 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 14.134 ng

RT: 27.826 min Scan# 41

Delta R.T. -0.024 min

Lab File: BM049966.D

Acq: 18 Apr 2025 15:08

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-01

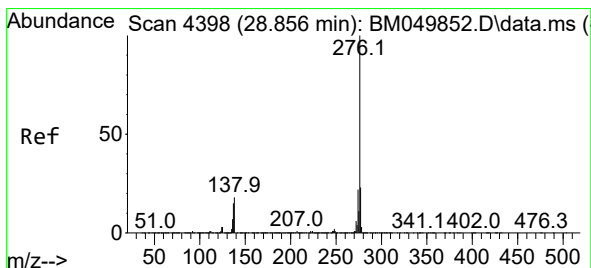
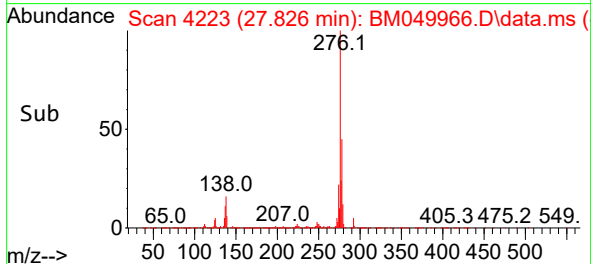
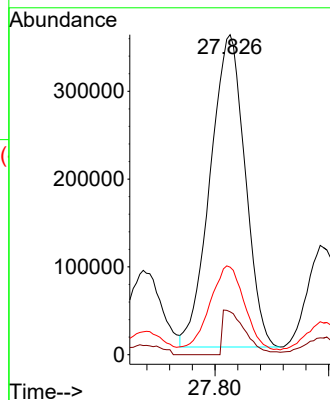
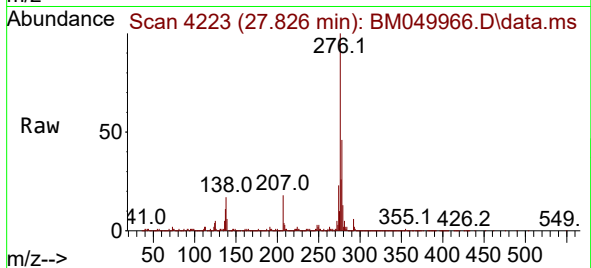
Tgt Ion:278 Resp: 1514092

Ion Ratio Lower Upper

278 100

139 13.4 10.6 15.8

279 27.3 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 50.581 ng

RT: 28.862 min Scan# 4399

Delta R.T. 0.006 min

Lab File: BM049966.D

Acq: 18 Apr 2025 15:08

Tgt Ion:276 Resp: 5536704

Ion Ratio Lower Upper

276 100

277 24.2 18.7 28.1

138 17.0 14.6 21.8

