

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
 Data File : BM049967.D
 Acq On : 18 Apr 2025 15:47
 Operator : RC/JU
 Sample : Q1832-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-02

Quant Time: Apr 18 16:26:59 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)

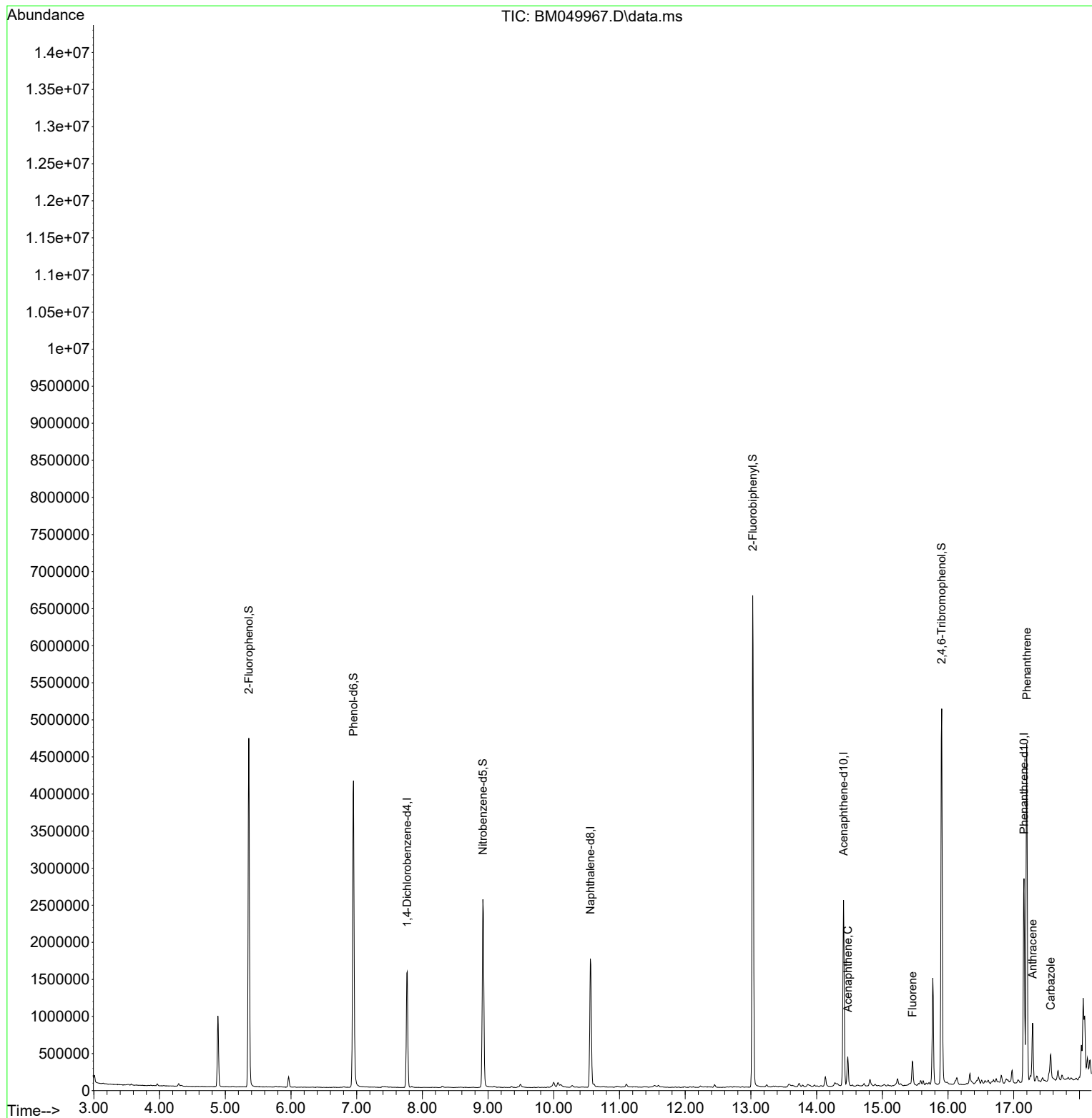
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	465044	20.000	ng	-0.01
21) Naphthalene-d8	10.557	136	1513775	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	904236	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1674072	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1626119	20.000	ng	0.00
86) Perylene-d12	24.391	264	1702581	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2099966	76.679	ng	0.00
7) Phenol-d6	6.951	99	2538156	74.490	ng	0.00
23) Nitrobenzene-d5	8.922	82	1518257	55.850	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	1071905	81.499	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	3672845	55.079	ng	-0.02
79) Terphenyl-d14	19.780	244	4317078	49.753	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.474	154	139901	2.858	ng	99
58) Fluorene	15.457	166	154976	2.382	ng	96
71) Phenanthrene	17.198	178	2852574	31.081	ng	100
72) Anthracene	17.286	178	514135	5.684	ng	100
73) Carbazole	17.563	167	239743	2.814	ng	97
75) Fluoranthene	19.215	202	6955347	61.635	ng	99
78) Pyrene	19.580	202	5871917	52.395	ng	99
81) Benzo(a)anthracene	21.374	228	2969583	27.478	ng	99
83) Chrysene	21.439	228	2725973	26.532	ng	98
87) Indeno(1,2,3-cd)pyrene	27.779	276	1795034	14.144	ng	96
88) Benzo(b)fluoranthene	23.450	252	3665206	33.707	ng	99
89) Benzo(k)fluoranthene	23.503	252	1473792m	13.986	ng	
90) Benzo(a)pyrene	24.256	252	2695708	28.212	ng	99
91) Dibenzo(a,h)anthracene	27.815	278	437415	4.184	ng	93
92) Benzo(g,h,i)perylene	28.832	276	1733107	16.224	ng	100

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

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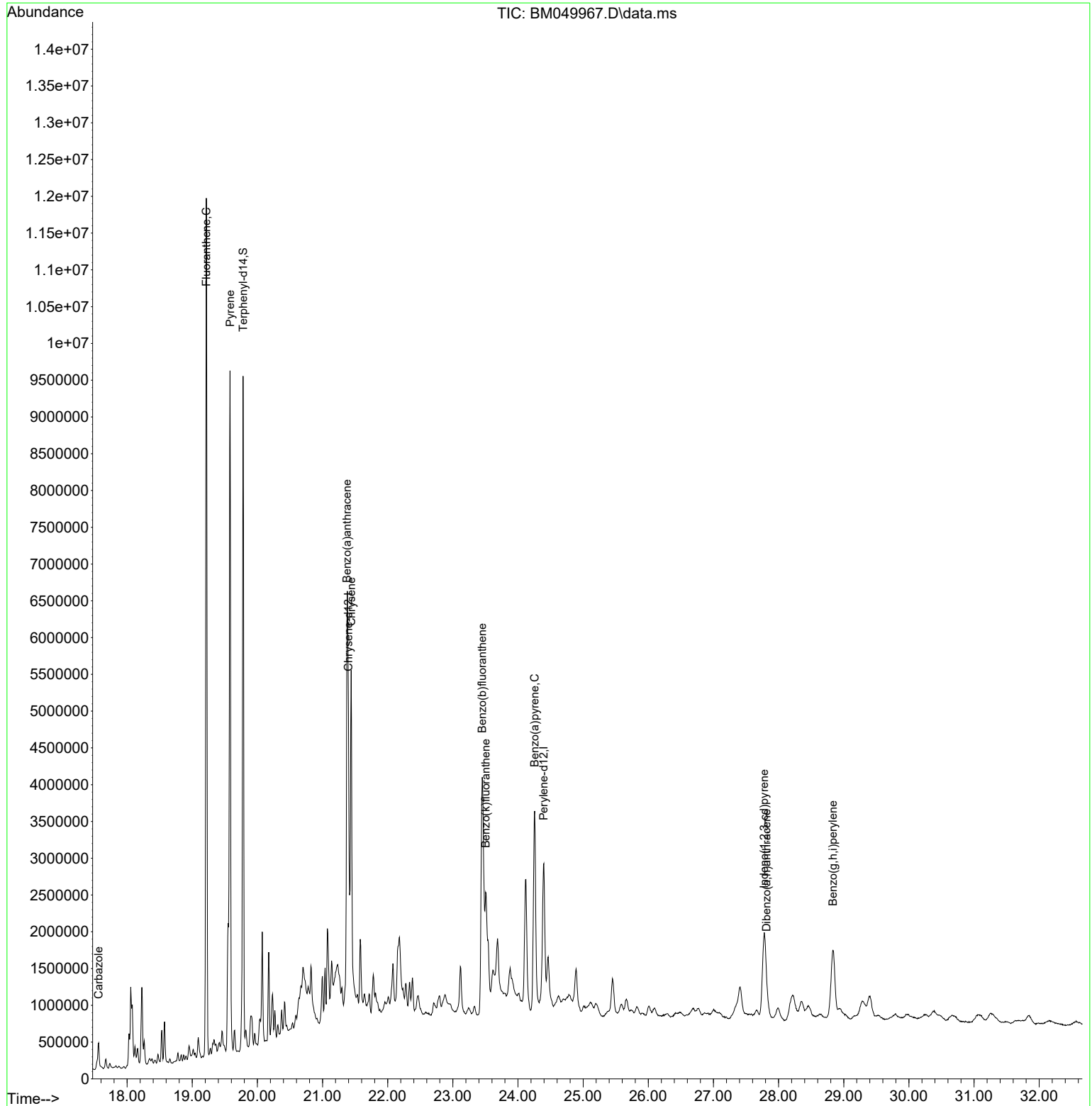
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QLast Update : Wed Apr 09 04:00:55 2025
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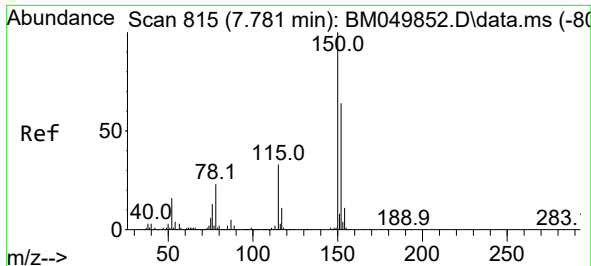


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
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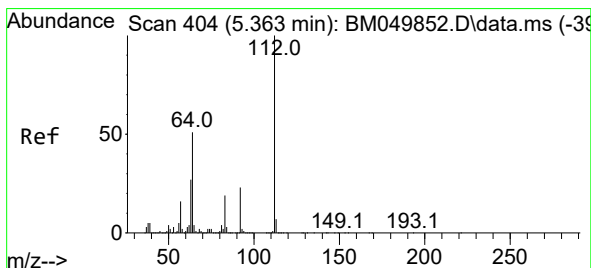
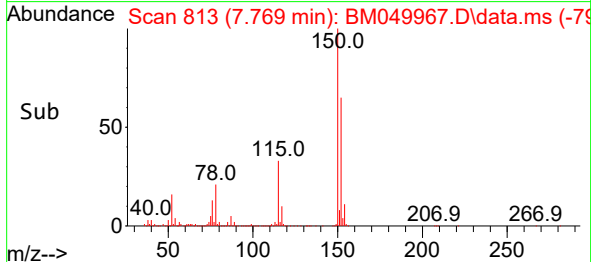
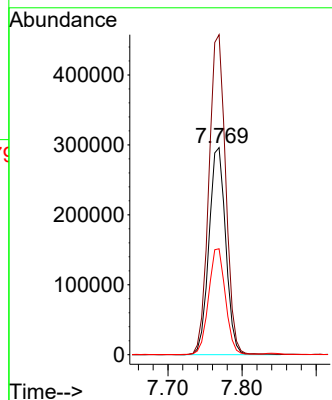
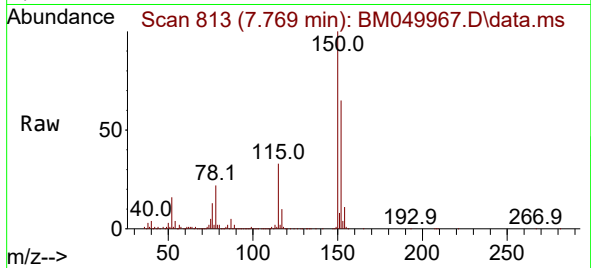




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049967.D
Acq: 18 Apr 2025 15:47

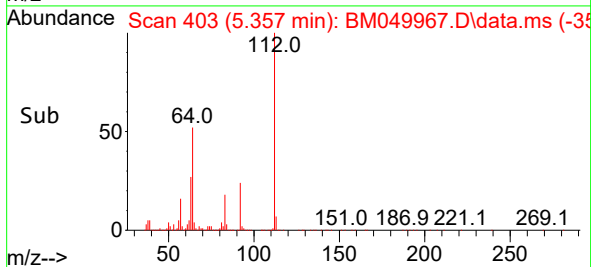
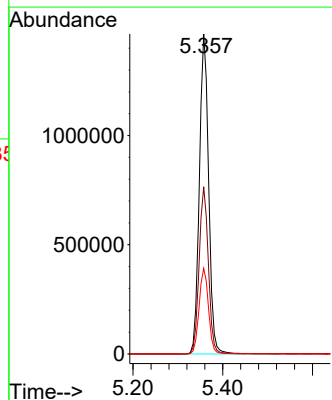
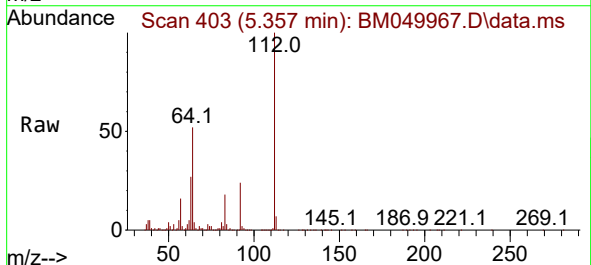
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-02

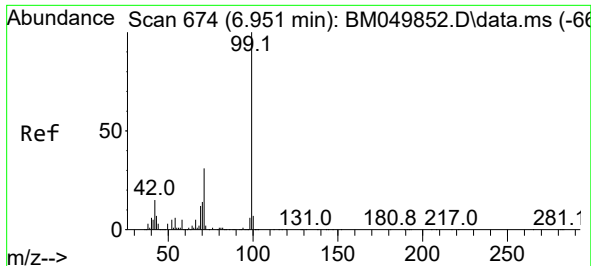
Tgt Ion:152 Resp: 465044
Ion Ratio Lower Upper
152 100
150 154.5 124.3 186.5
115 51.1 41.1 61.7



#5
2-Fluorophenol
Concen: 76.679 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049967.D
Acq: 18 Apr 2025 15:47

Tgt Ion:112 Resp: 2099966
Ion Ratio Lower Upper
112 100
64 52.2 41.0 61.6
63 26.7 21.5 32.3



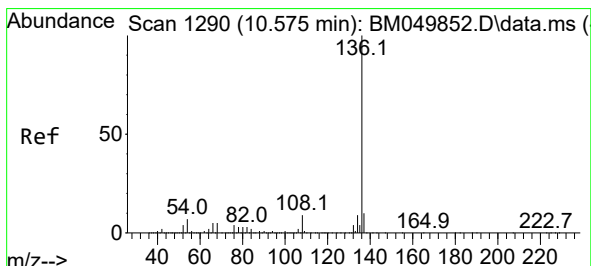
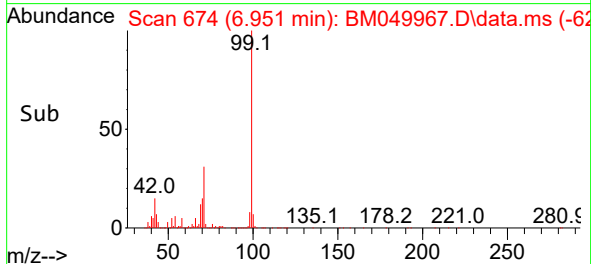
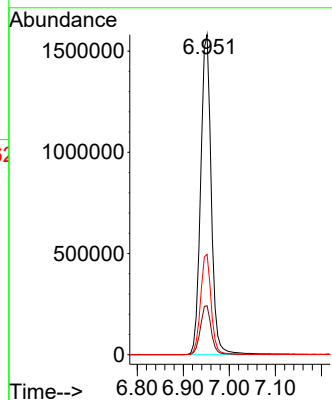
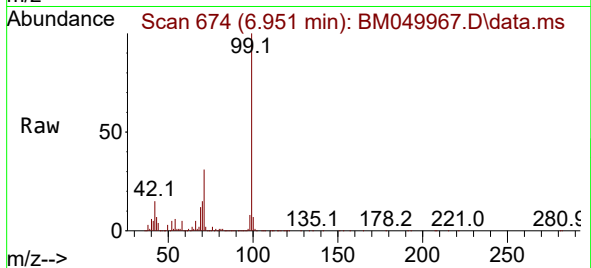


#7
Phenol-d6
Concen: 74.490 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049967.D
Acq: 18 Apr 2025 15:47

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-02

Tgt Ion: 99 Resp: 2538156

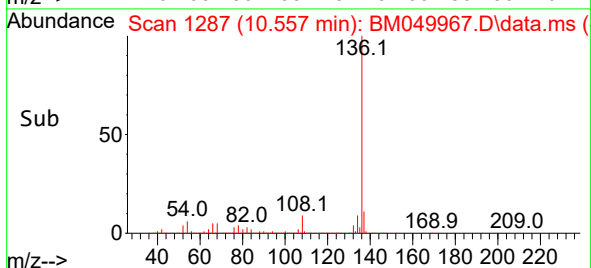
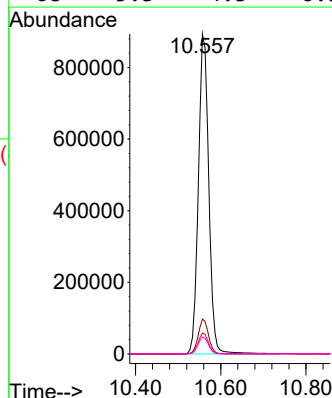
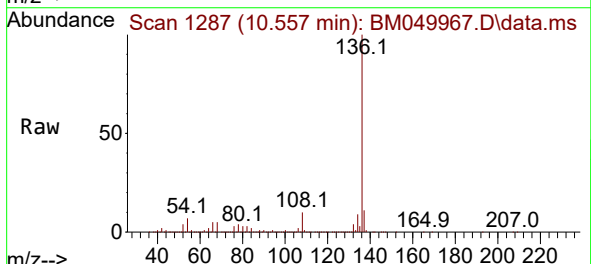
Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.1	18.1
71	31.3	24.9	37.3

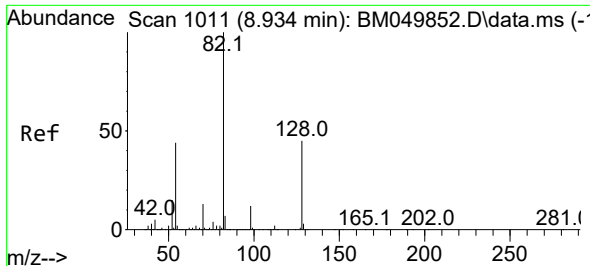


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM049967.D
Acq: 18 Apr 2025 15:47

Tgt Ion: 136 Resp: 1513775

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

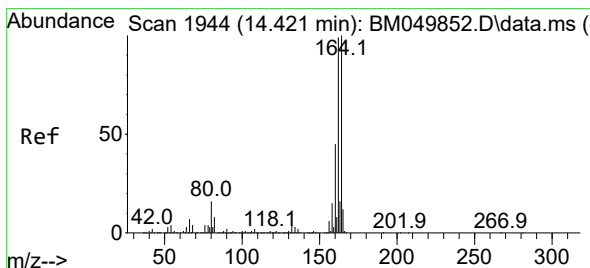
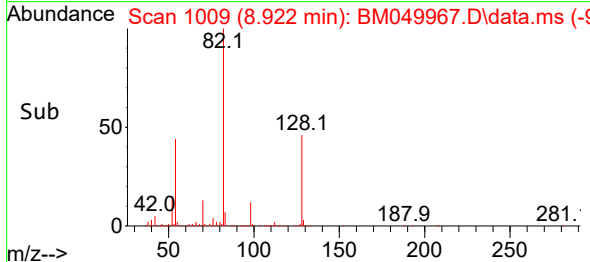
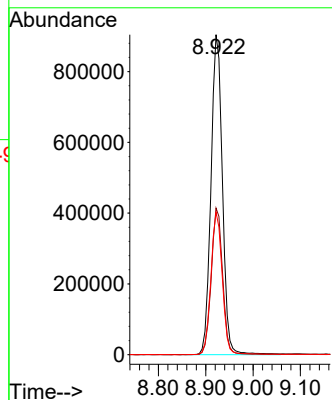
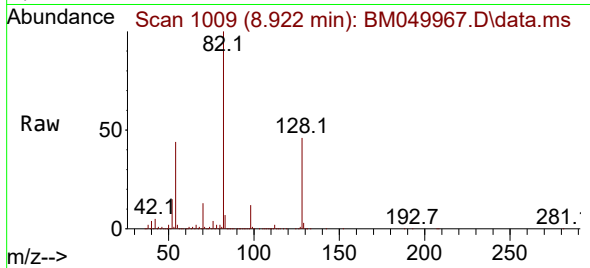




#23
Nitrobenzene-d5
Concen: 55.850 ng
RT: 8.922 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BM049967.D
Acq: 18 Apr 2025 15:47

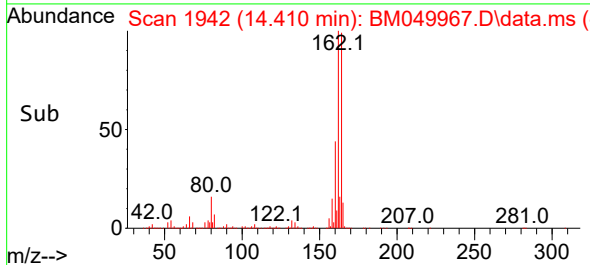
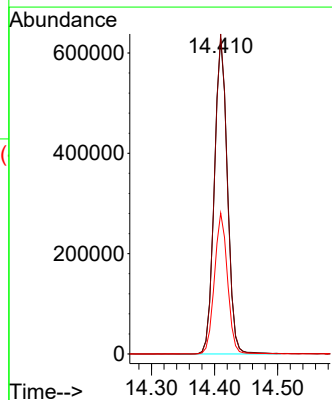
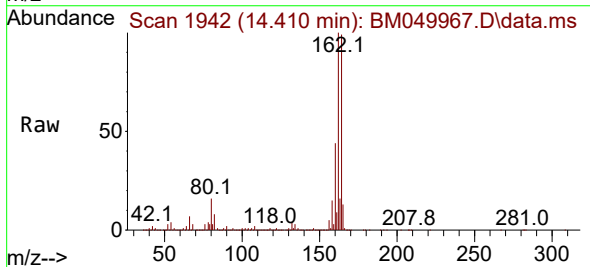
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-02

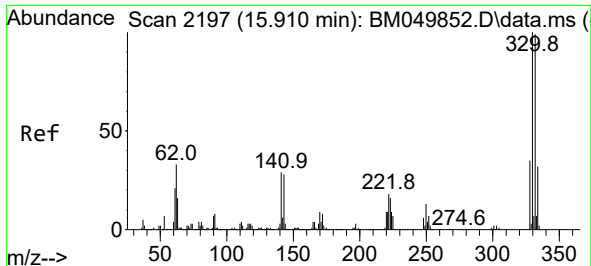
Tgt Ion: 82 Resp: 1518257
Ion Ratio Lower Upper
82 100
128 45.8 36.2 54.2
54 44.5 35.0 52.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM049967.D
Acq: 18 Apr 2025 15:47

Tgt Ion:164 Resp: 904236
Ion Ratio Lower Upper
164 100
162 101.5 79.4 119.0
160 44.7 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 81.499 ng

RT: 15.904 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049967.D

Acq: 18 Apr 2025 15:47

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-02

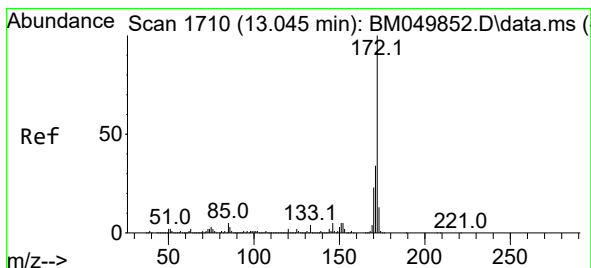
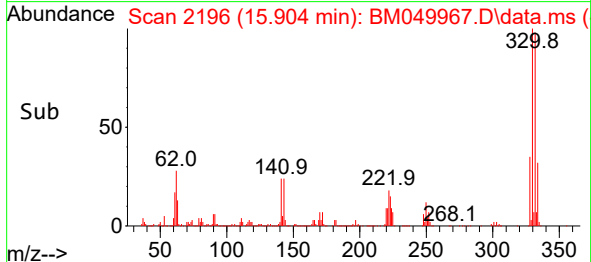
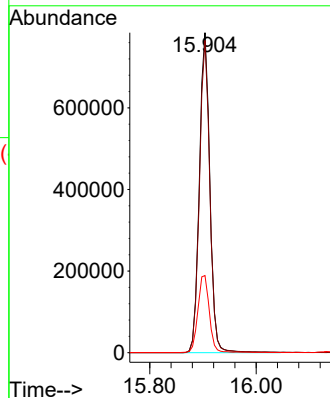
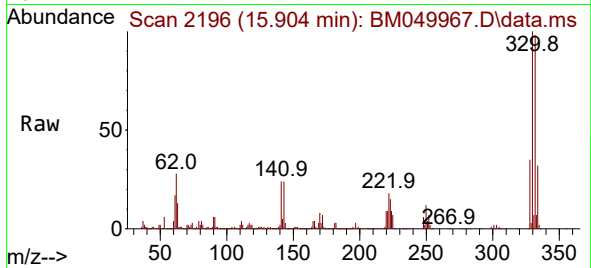
Tgt Ion:330 Resp: 1071905

Ion Ratio Lower Upper

330 100

332 96.7 78.0 117.0

141 26.1 23.5 35.3



#45

2-Fluorobiphenyl

Concen: 55.079 ng

RT: 13.028 min Scan# 1707

Delta R.T. -0.018 min

Lab File: BM049967.D

Acq: 18 Apr 2025 15:47

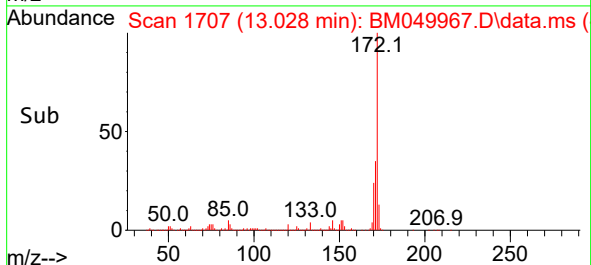
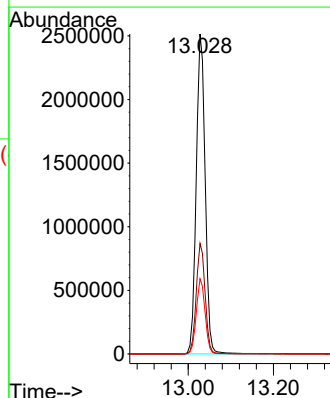
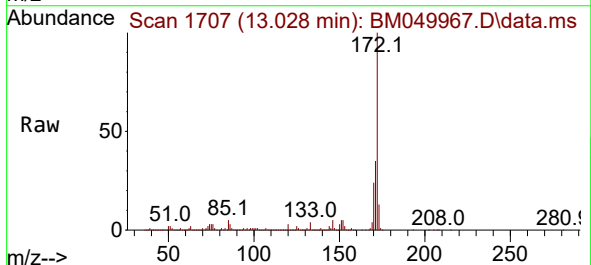
Tgt Ion:172 Resp: 3672845

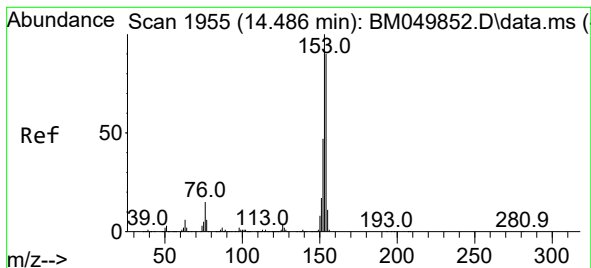
Ion Ratio Lower Upper

172 100

171 34.6 27.4 41.2

170 23.5 18.6 28.0





#52

Acenaphthene

Concen: 2.858 ng

RT: 14.474 min Scan# 1953

Delta R.T. -0.012 min

Lab File: BM049967.D

Acq: 18 Apr 2025 15:47

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-02

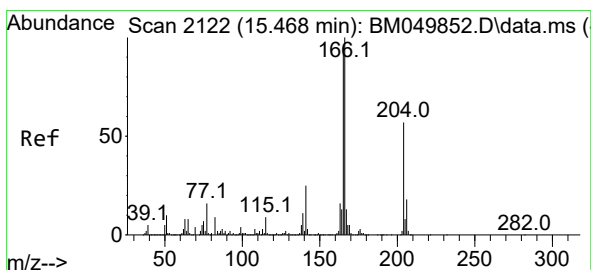
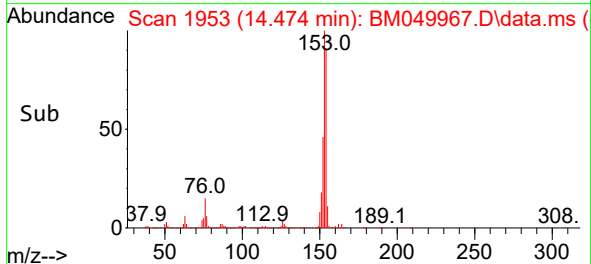
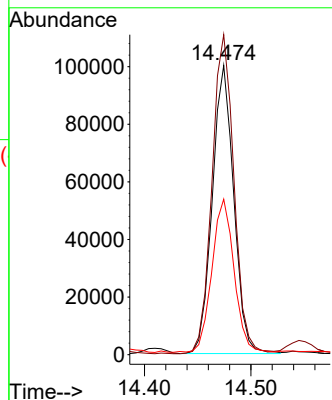
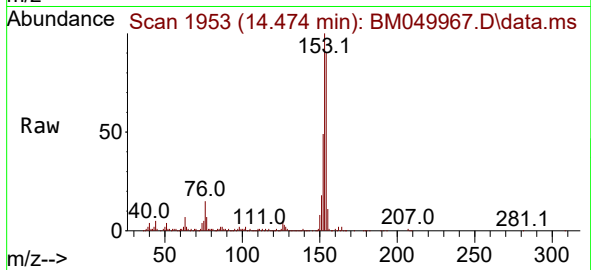
Tgt Ion:154 Resp: 139901

Ion Ratio Lower Upper

154 100

153 110.6 89.3 133.9

152 53.8 42.2 63.2



#58

Fluorene

Concen: 2.382 ng

RT: 15.457 min Scan# 2120

Delta R.T. -0.012 min

Lab File: BM049967.D

Acq: 18 Apr 2025 15:47

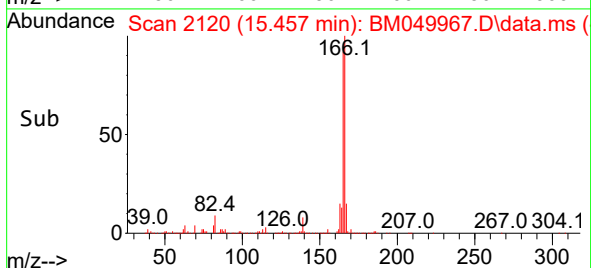
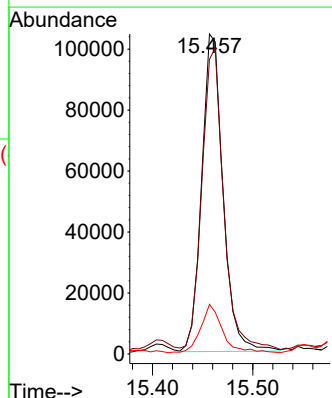
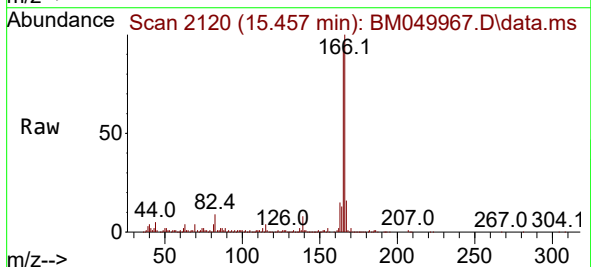
Tgt Ion:166 Resp: 154976

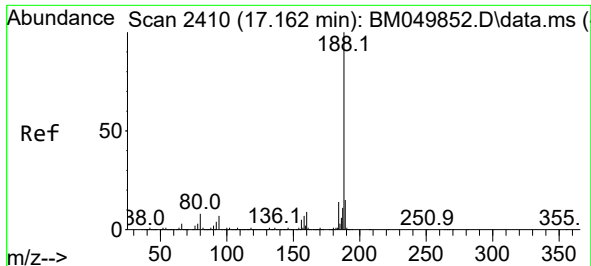
Ion Ratio Lower Upper

166 100

165 92.1 76.3 114.5

167 15.5 10.7 16.1

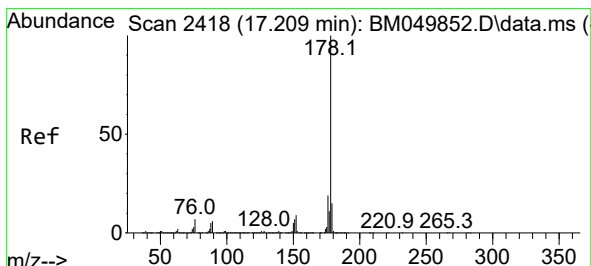
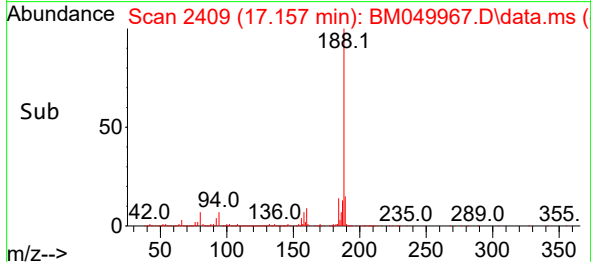
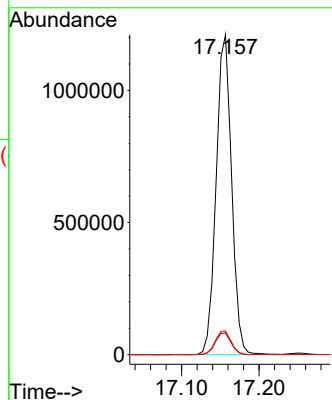
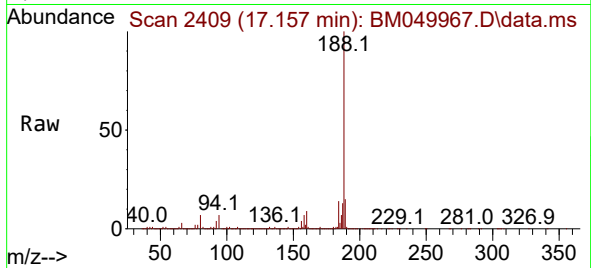




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BM049967.D
Acq: 18 Apr 2025 15:47

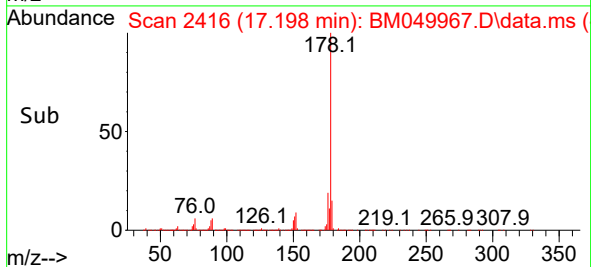
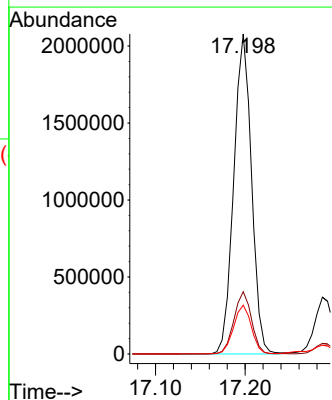
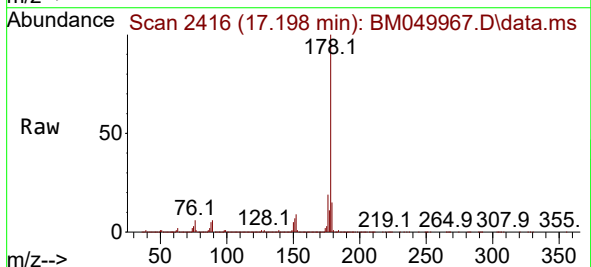
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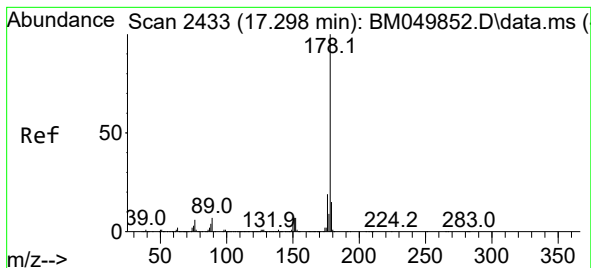
Tgt Ion:188 Resp: 1674072
Ion Ratio Lower Upper
188 100
94 6.9 5.8 8.6
80 7.4 6.4 9.6



#71
Phenanthrene
Concen: 31.081 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.012 min
Lab File: BM049967.D
Acq: 18 Apr 2025 15:47

Tgt Ion:178 Resp: 2852574
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.3 12.3 18.5





#72

Anthracene

Concen: 5.684 ng

RT: 17.286 min Scan# 2433

Delta R.T. -0.012 min

Lab File: BM049967.D

Acq: 18 Apr 2025 15:47

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-02

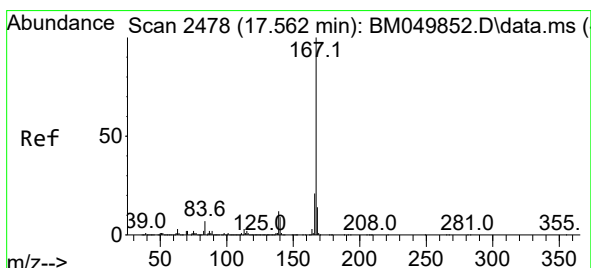
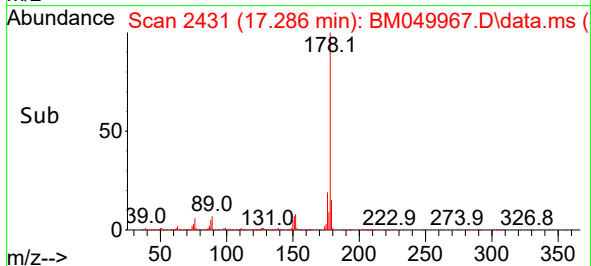
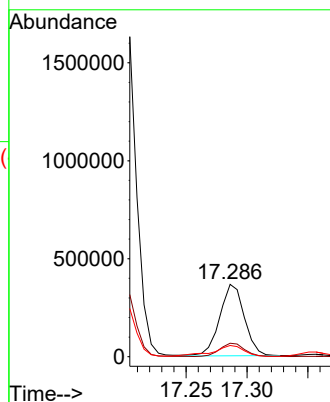
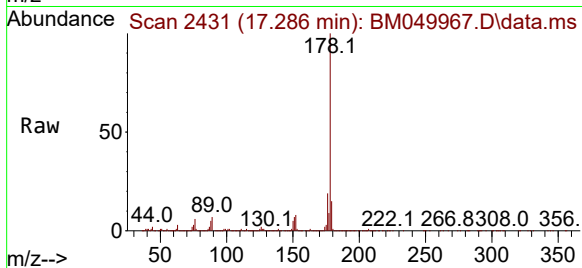
Tgt Ion:178 Resp: 514135

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 15.4 12.4 18.6



#73

Carbazole

Concen: 2.814 ng

RT: 17.563 min Scan# 2478

Delta R.T. 0.000 min

Lab File: BM049967.D

Acq: 18 Apr 2025 15:47

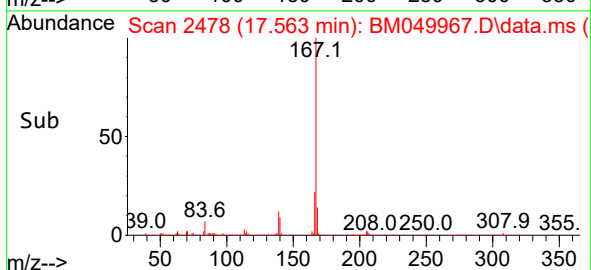
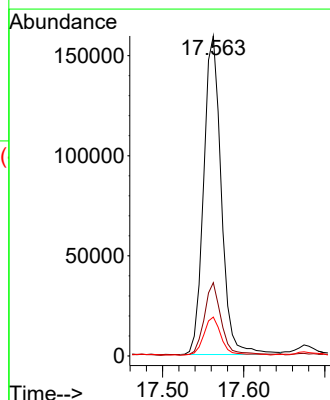
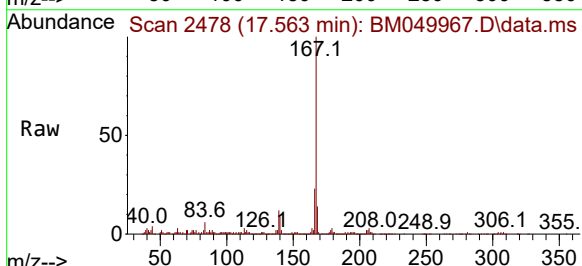
Tgt Ion:167 Resp: 239743

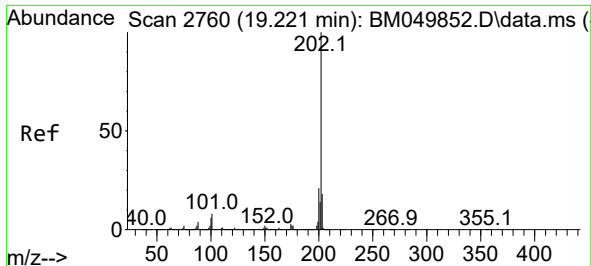
Ion Ratio Lower Upper

167 100

166 22.9 16.9 25.3

139 12.2 9.3 13.9

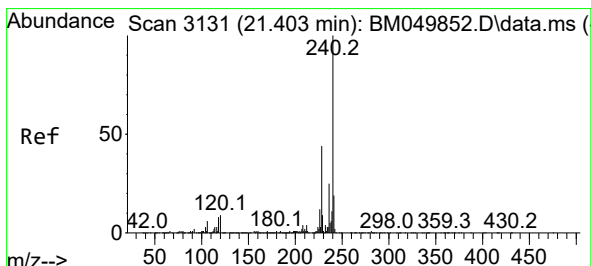
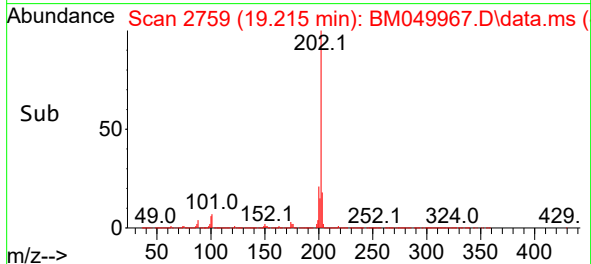
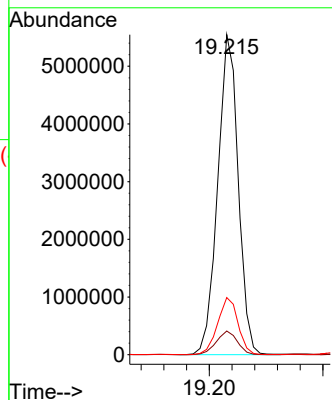
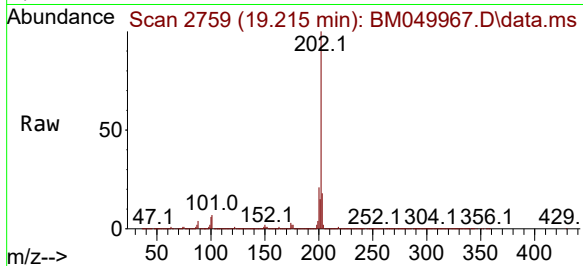




#75
Fluoranthene
Concen: 61.635 ng
RT: 19.215 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049967.D
Acq: 18 Apr 2025 15:47

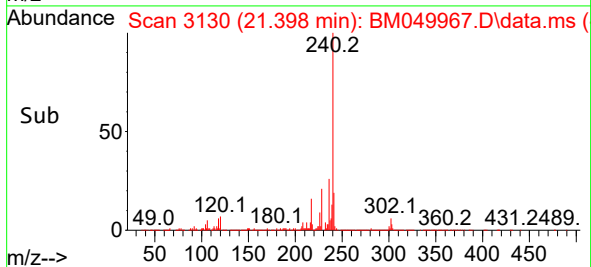
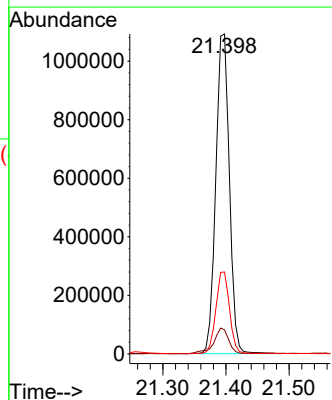
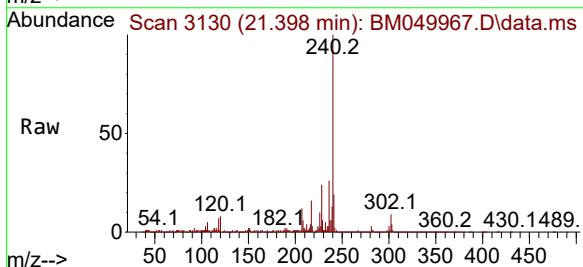
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-02

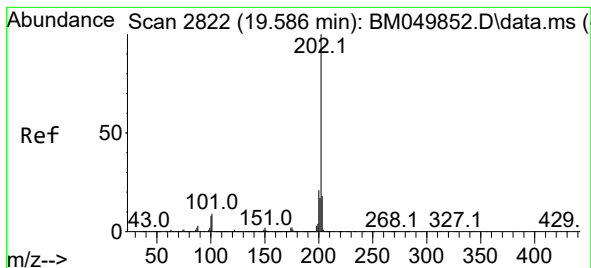
Tgt Ion:202 Resp: 6955347
Ion Ratio Lower Upper
202 100
101 7.4 0.0 28.4
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049967.D
Acq: 18 Apr 2025 15:47

Tgt Ion:240 Resp: 1626119
Ion Ratio Lower Upper
240 100
120 7.6 6.9 10.3
236 25.6 20.4 30.6





#78

Pyrene

Concen: 52.395 ng

RT: 19.580 min Scan# 2822

Delta R.T. -0.006 min

Lab File: BM049967.D

Acq: 18 Apr 2025 15:47

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-02

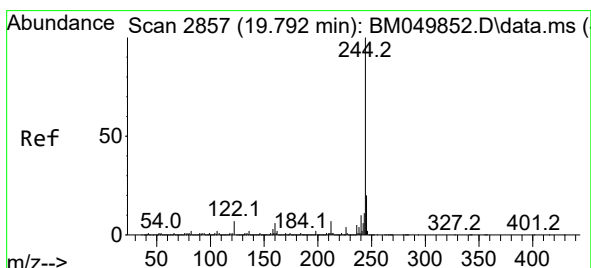
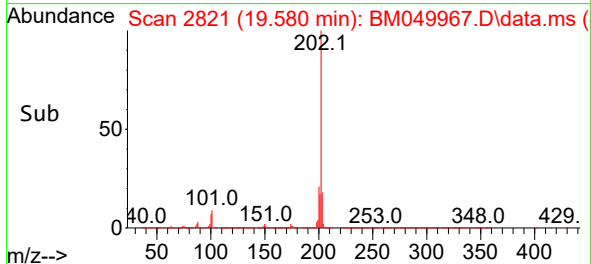
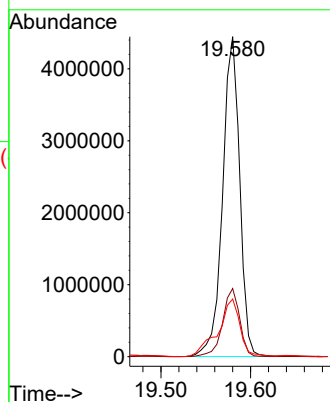
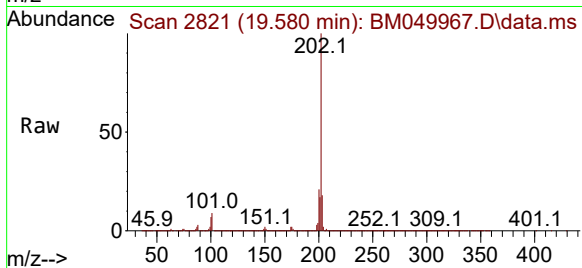
Tgt Ion:202 Resp: 5871917

Ion Ratio Lower Upper

202 100

200 21.3 16.5 24.7

203 18.0 14.0 21.0



#79

Terphenyl-d14

Concen: 49.753 ng

RT: 19.780 min Scan# 2855

Delta R.T. -0.012 min

Lab File: BM049967.D

Acq: 18 Apr 2025 15:47

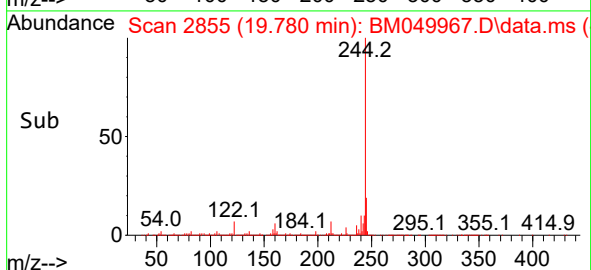
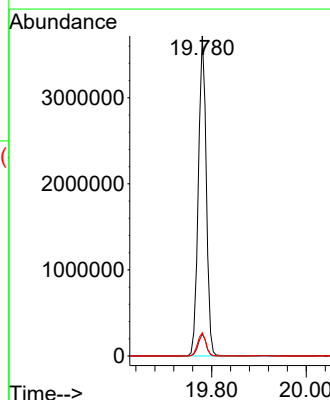
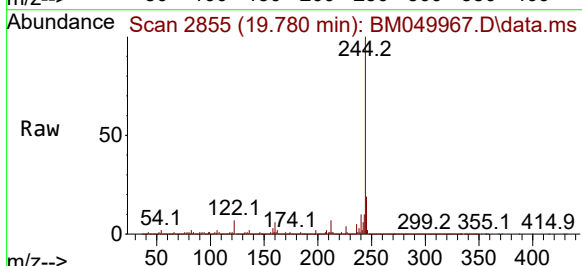
Tgt Ion:244 Resp: 4317078

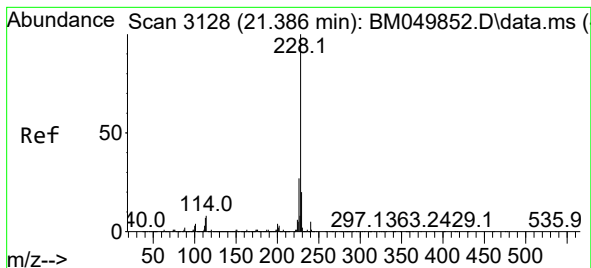
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 7.3 5.4 8.0





#81

Benzo(a)anthracene

Concen: 27.478 ng

RT: 21.374 min Scan# 3126

Delta R.T. -0.012 min

Lab File: BM049967.D

Acq: 18 Apr 2025 15:47

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-02

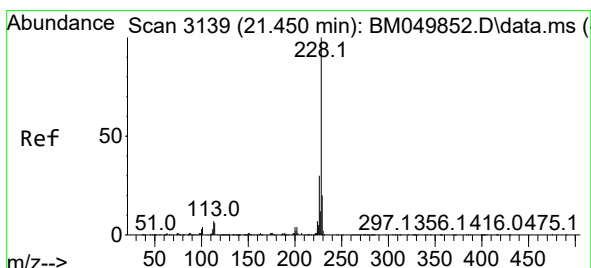
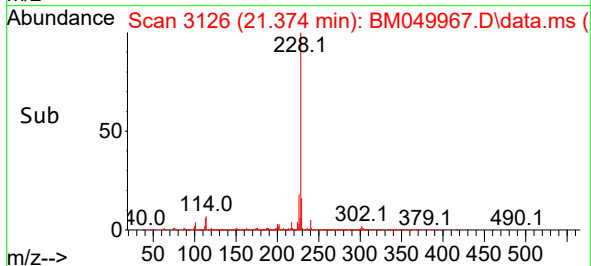
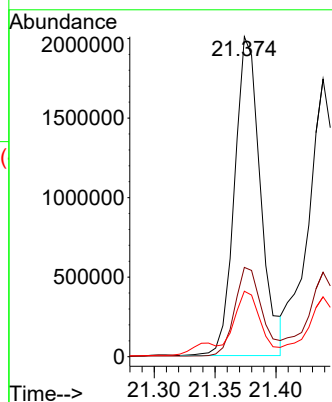
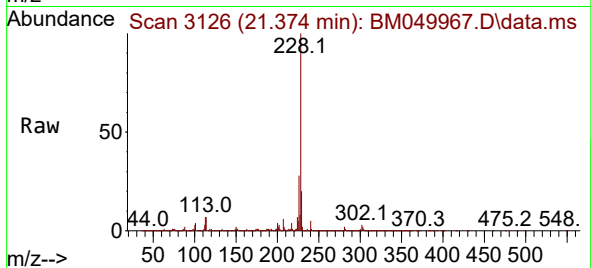
Tgt Ion:228 Resp: 2969583

Ion Ratio Lower Upper

228 100

226 27.9 21.8 32.8

229 20.5 15.8 23.8



#83

Chrysene

Concen: 26.532 ng

RT: 21.439 min Scan# 3137

Delta R.T. -0.012 min

Lab File: BM049967.D

Acq: 18 Apr 2025 15:47

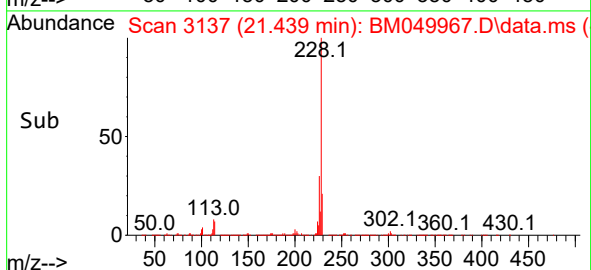
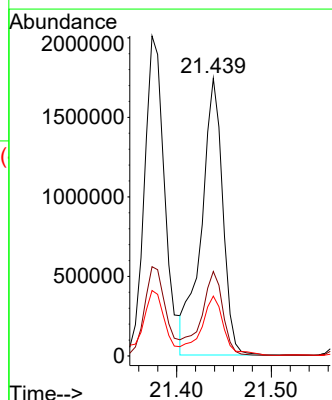
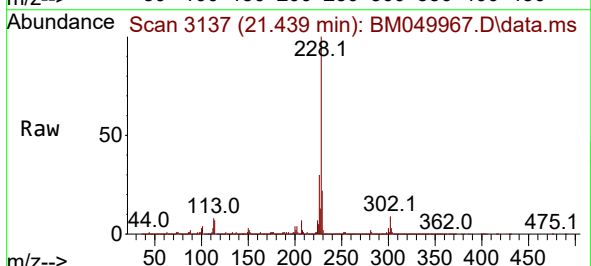
Tgt Ion:228 Resp: 2725973

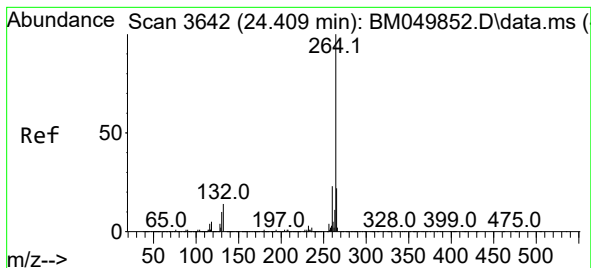
Ion Ratio Lower Upper

228 100

226 30.4 24.1 36.1

229 21.6 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.391 min Scan# 3

Delta R.T. -0.018 min

Lab File: BM049967.D

Acq: 18 Apr 2025 15:47

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-02

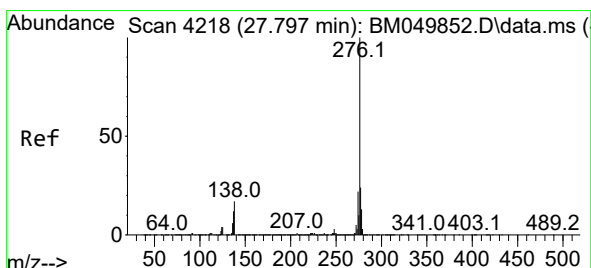
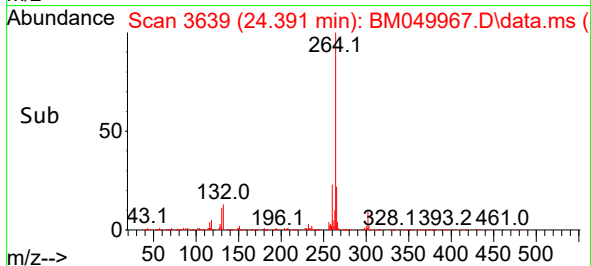
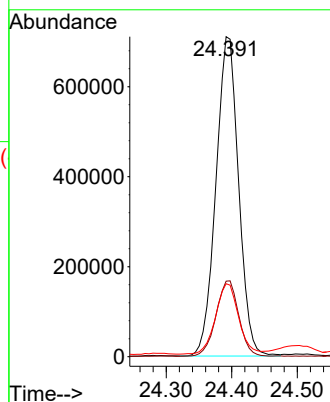
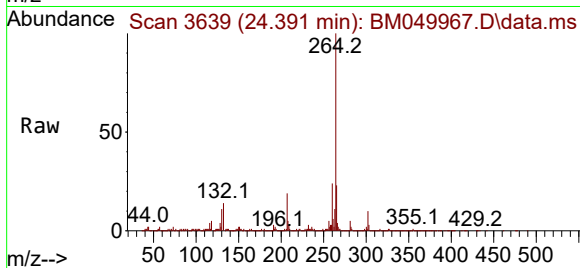
Tgt Ion:264 Resp: 1702581

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 22.8 17.8 26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.144 ng

RT: 27.779 min Scan# 4215

Delta R.T. -0.018 min

Lab File: BM049967.D

Acq: 18 Apr 2025 15:47

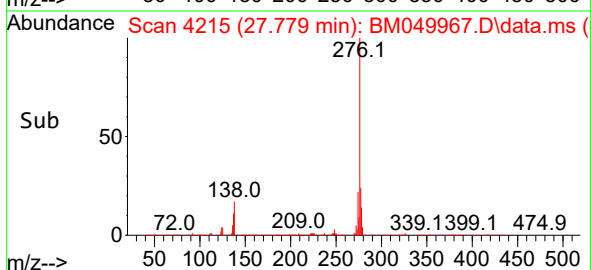
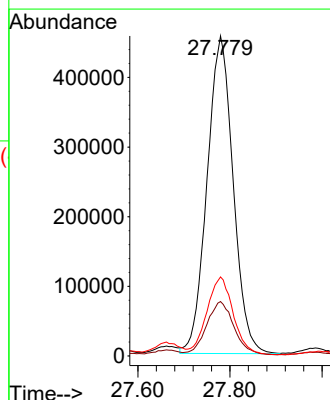
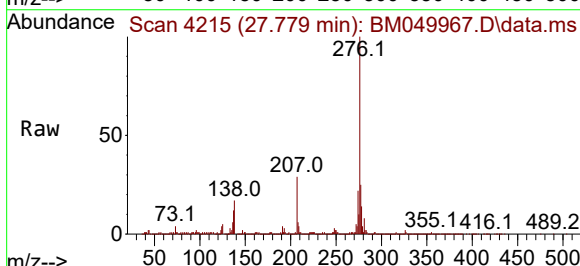
Tgt Ion:276 Resp: 1795034

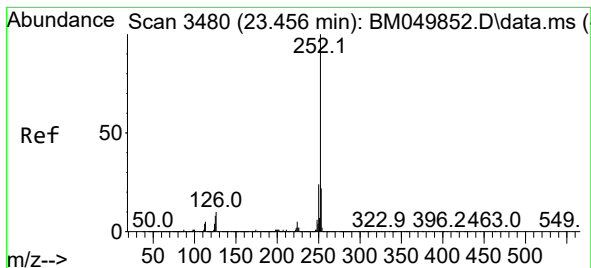
Ion Ratio Lower Upper

276 100

138 17.6 16.8 25.2

277 24.8 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 33.707 ng

RT: 23.450 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM049967.D

Acq: 18 Apr 2025 15:47

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-02

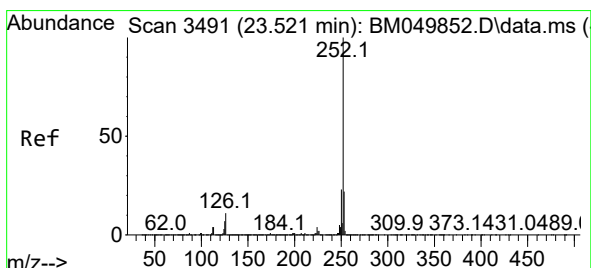
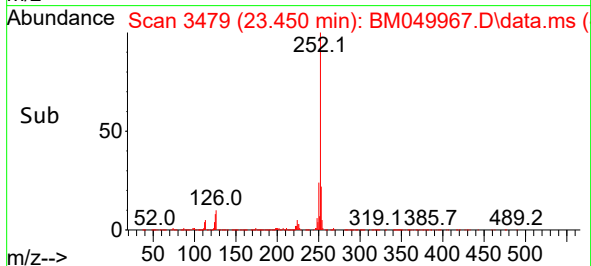
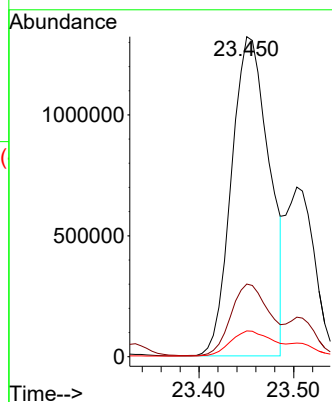
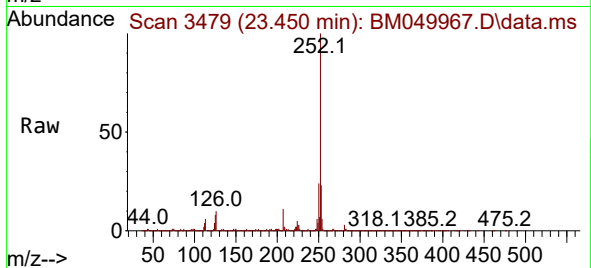
Tgt Ion:252 Resp: 3665206

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 8.1 6.2 9.4



#89

Benzo(k)fluoranthene

Concen: 13.986 ng m

RT: 23.503 min Scan# 3488

Delta R.T. -0.018 min

Lab File: BM049967.D

Acq: 18 Apr 2025 15:47

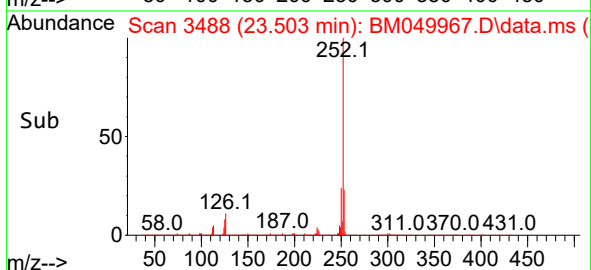
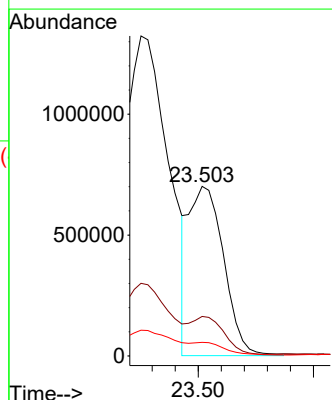
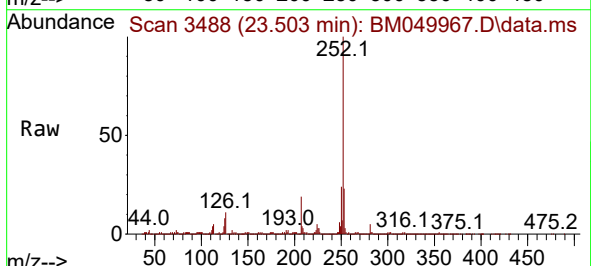
Tgt Ion:252 Resp: 1473792

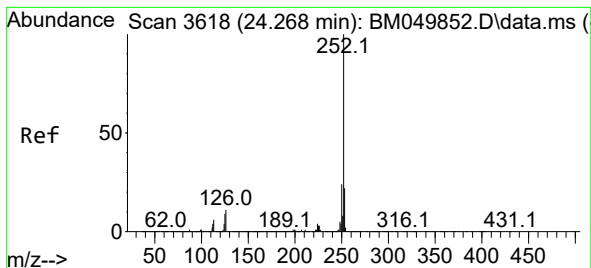
Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

125 8.0 5.8 8.8





#90

Benzo(a)pyrene

Concen: 28.212 ng

RT: 24.256 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM049967.D

Acq: 18 Apr 2025 15:47

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-02

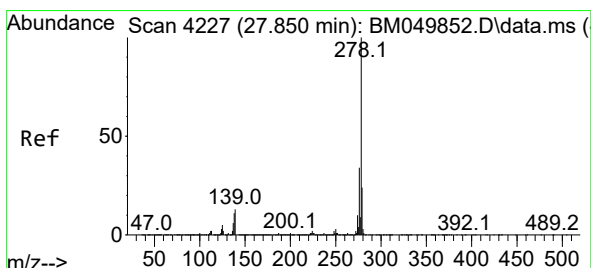
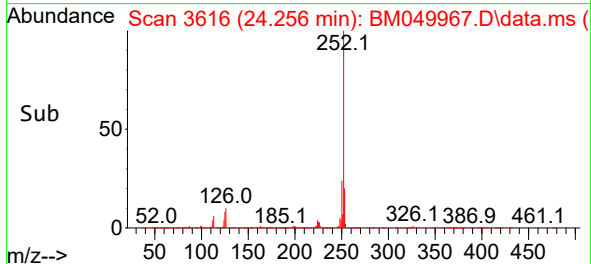
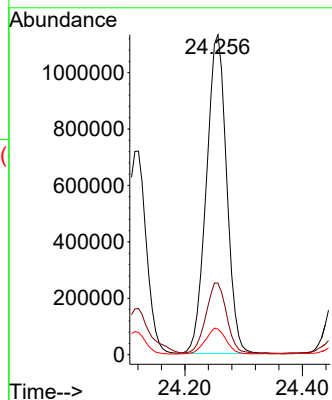
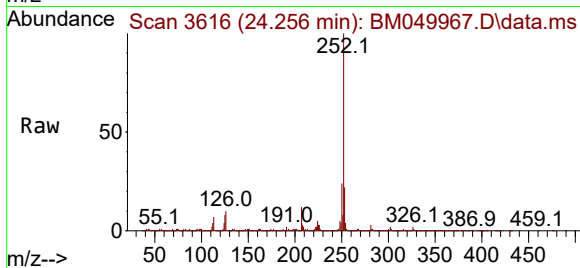
Tgt Ion:252 Resp: 2695708

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 8.0 7.0 10.4



#91

Dibenzo(a,h)anthracene

Concen: 4.184 ng

RT: 27.815 min Scan# 4221

Delta R.T. -0.035 min

Lab File: BM049967.D

Acq: 18 Apr 2025 15:47

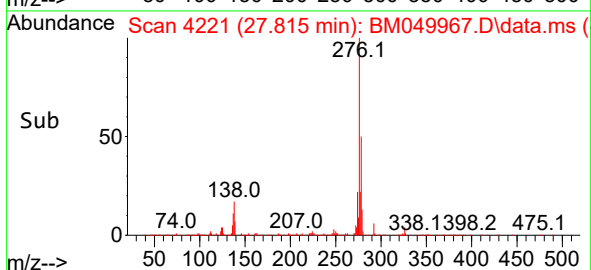
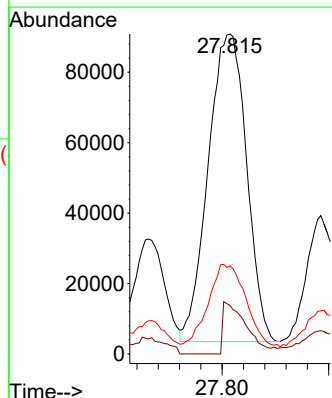
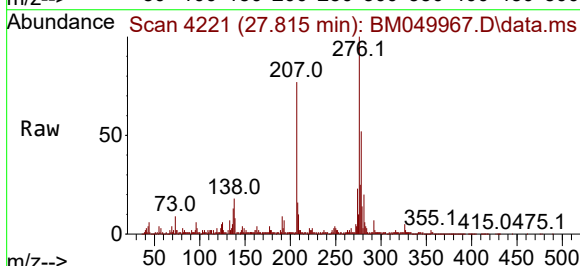
Tgt Ion:278 Resp: 437415

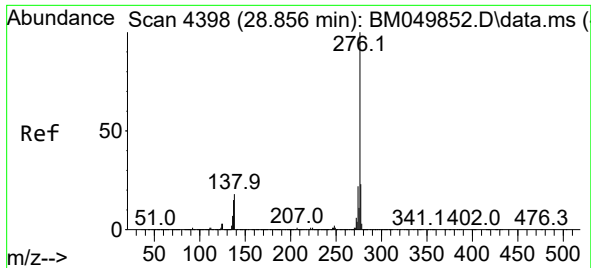
Ion Ratio Lower Upper

278 100

139 15.1 10.6 15.8

279 27.6 19.1 28.7





#92
 Benzo(g,h,i)perylene
 Concen: 16.224 ng
 RT: 28.832 min Scan# 41
 Delta R.T. -0.023 min
 Lab File: BM049967.D
 Acq: 18 Apr 2025 15:47

Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-02

Tgt Ion:276 Resp: 1733107
 Ion Ratio Lower Upper
 276 100
 277 23.8 18.7 28.1
 138 18.1 14.6 21.8

