

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)

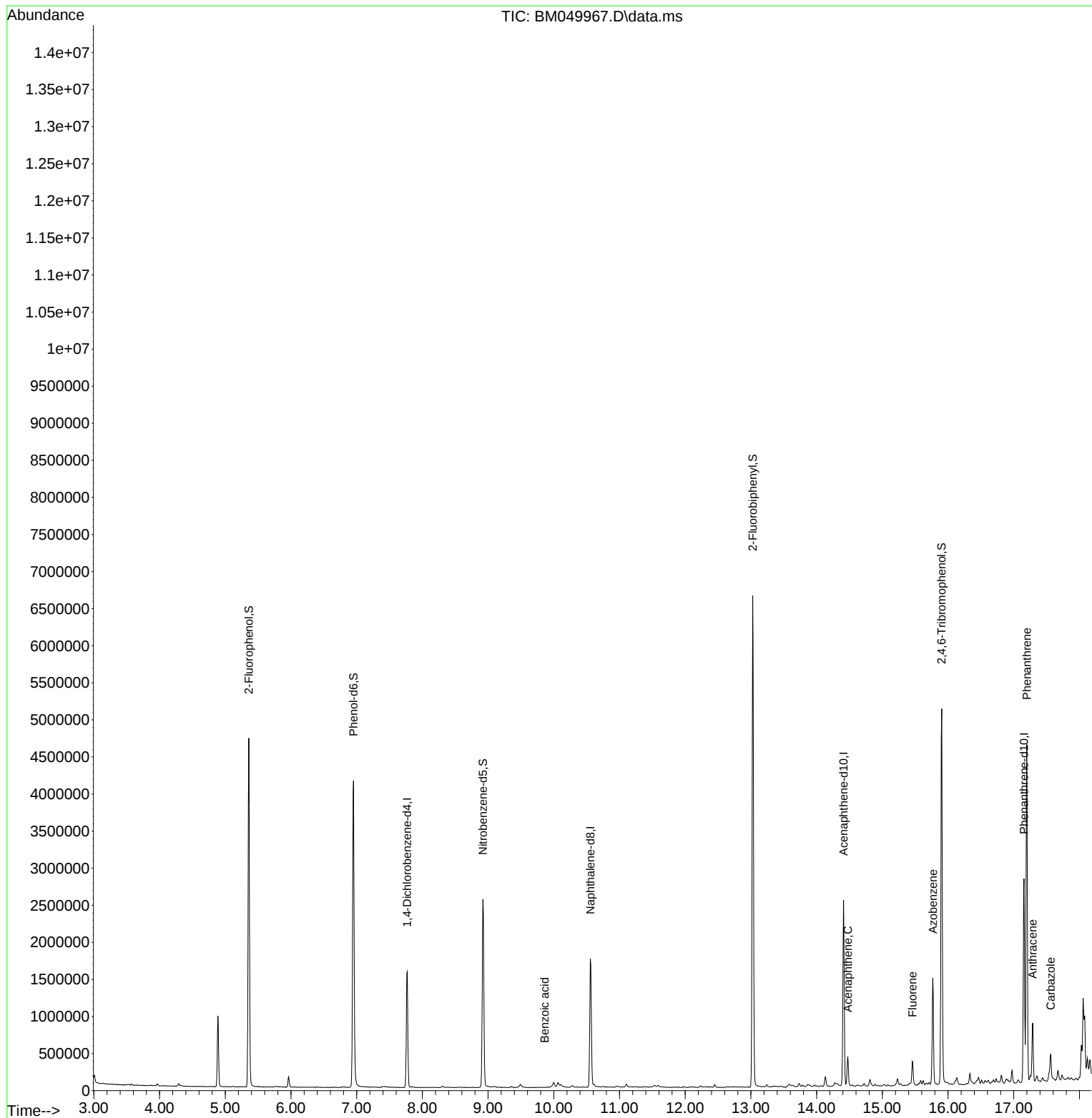
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	465044	20.000	ng	-0.01
21) Naphthalene-d8	10.557	136	1513775	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	904236	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1674072	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1626119	20.000	ng	0.00
86) 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
32) Benzoic acid	9.863	122	2621	8.649	ng	# 80
52) Acenaphthene	14.474	154	139901	2.858	ng	99
58) Fluorene	15.457	166	154976	2.382	ng	96
63) Azobenzene	15.769	77	366813	7.003	ng	# 1
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	23.450	252	3665206	34.783	ng	98
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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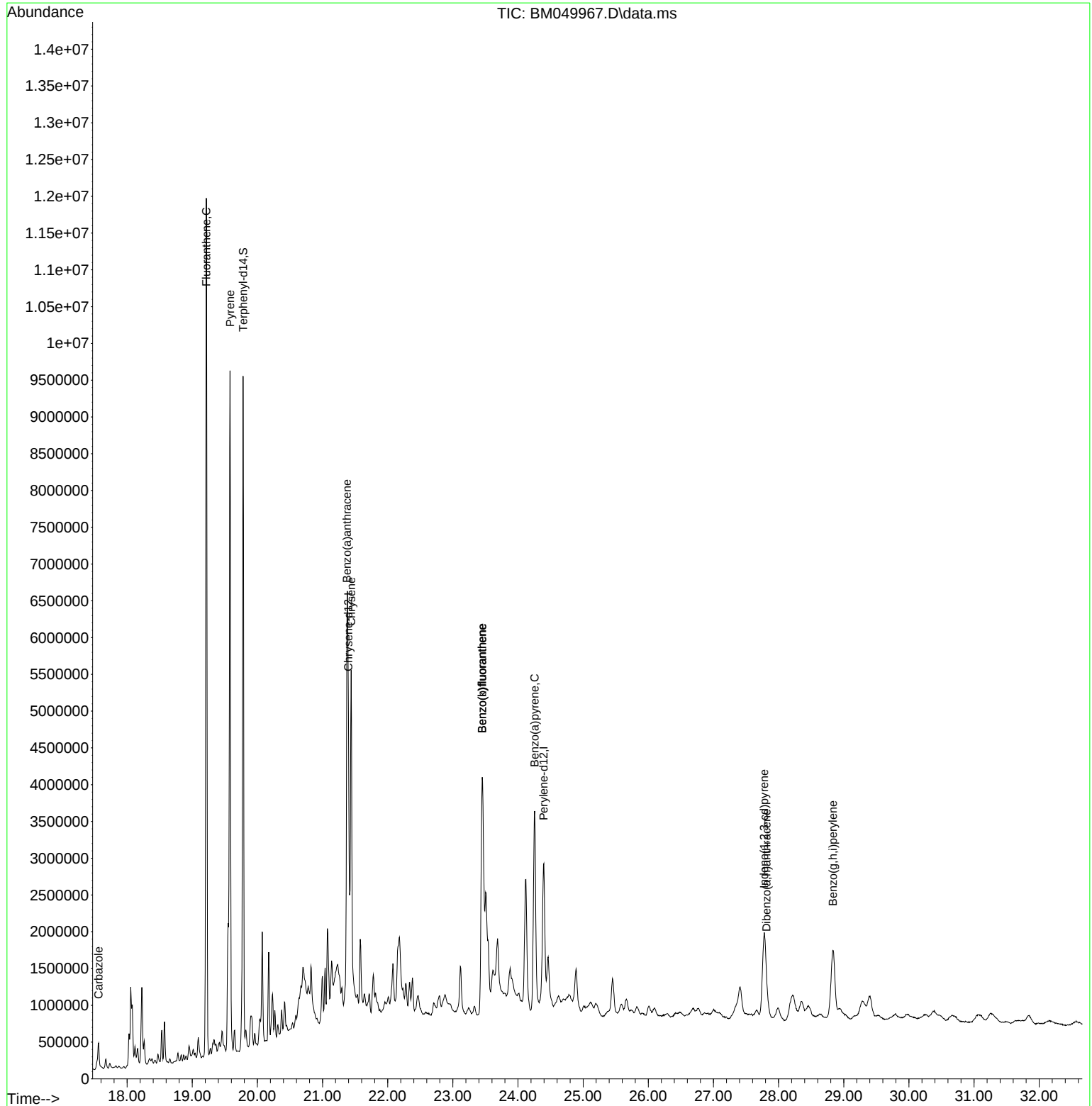
Quant Time: Apr 18 16:26:59 2025
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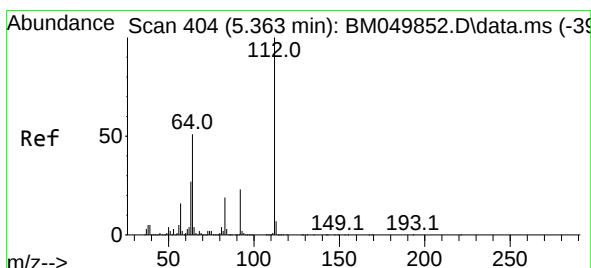
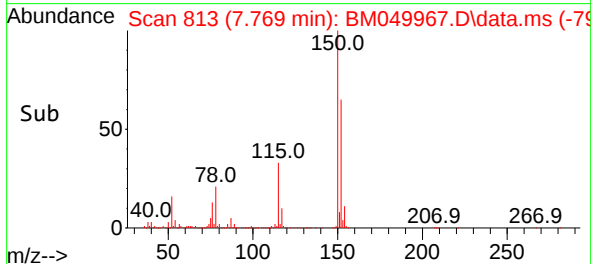
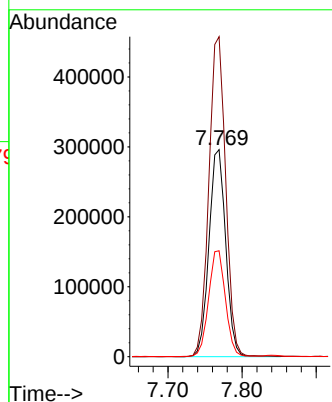
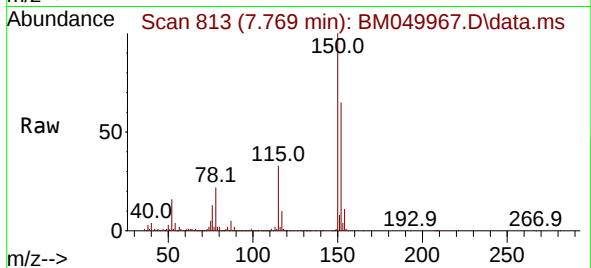




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049967.D
Acq: 18 Apr 2025 15:47

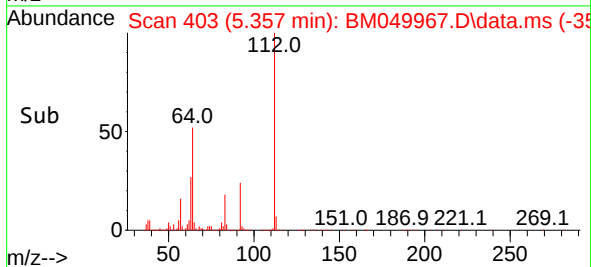
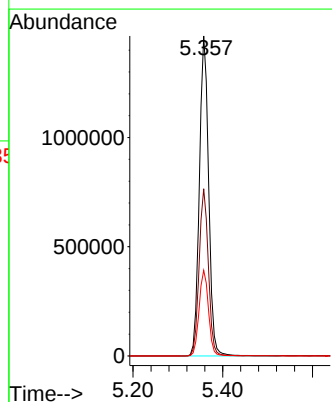
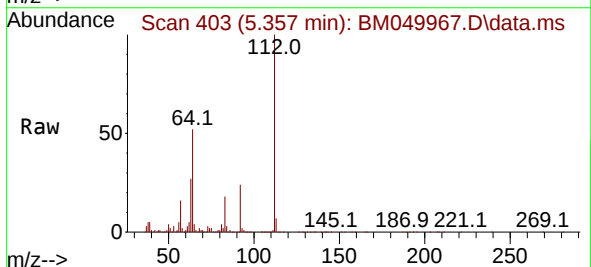
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-02

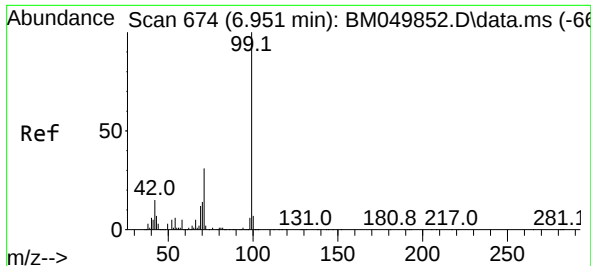
Tgt Ion:152 Resp: 465044
Ion Ratio Lower Upper
152 100
150 154.5 124.3 186.5
115 51.1 41.1 61.7



#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

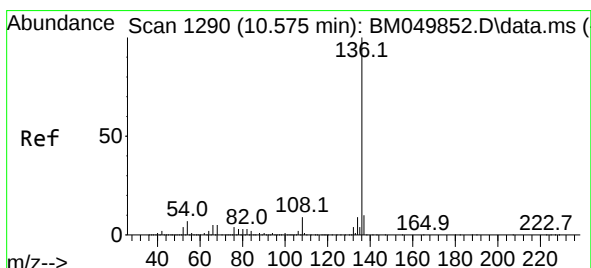
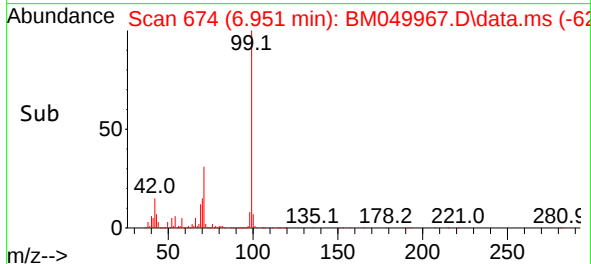
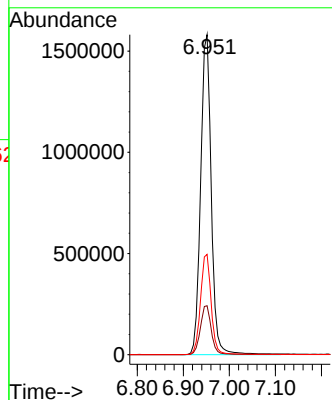
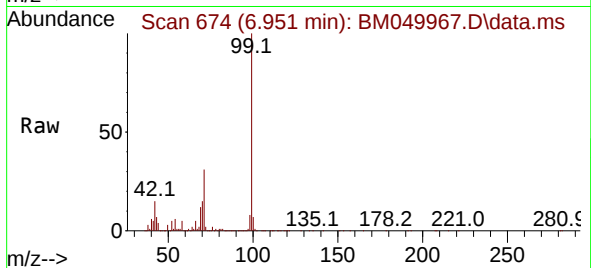




#7
Phenol-d6
Concen: 74.490 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049967.D
Acq: 18 Apr 2025 15:47

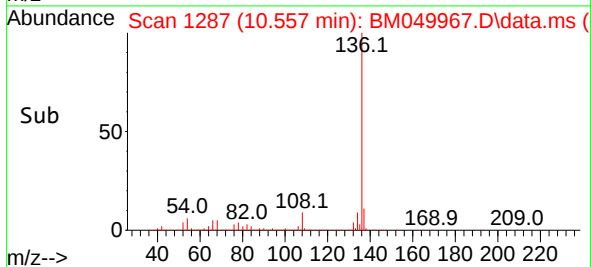
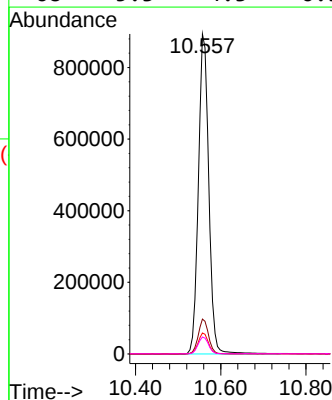
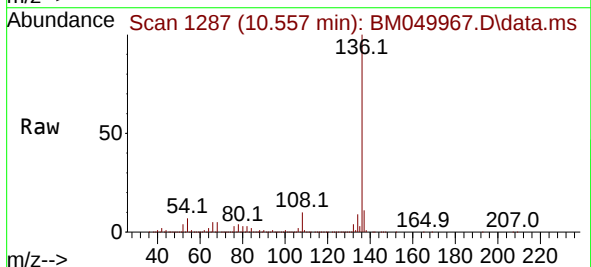
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-02

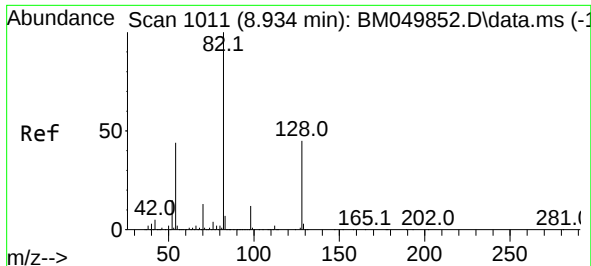
Tgt Ion: 99 Resp: 2538156
Ion Ratio Lower Upper
99 100
42 15.3 12.1 18.1
71 31.3 24.9 37.3



#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

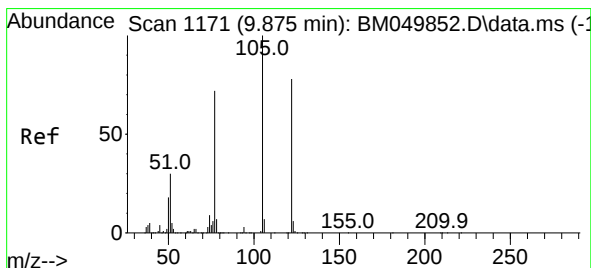
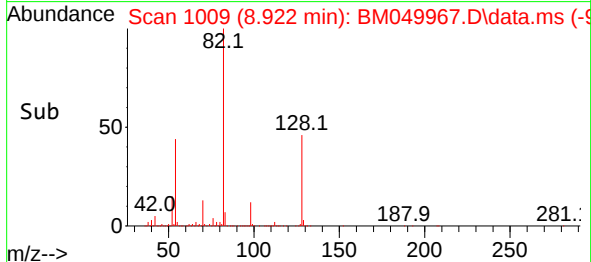
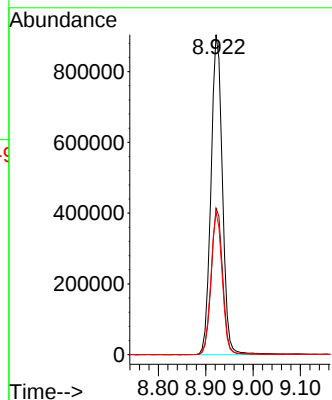
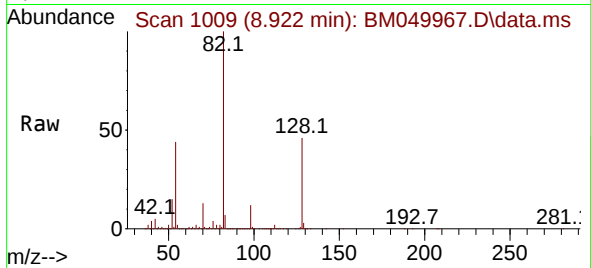




#23
Nitrobenzene-d5
Concen: 55.850 ng
RT: 8.922 min Scan# 1109
Delta R.T. -0.012 min
Lab File: BM049967.D
Acq: 18 Apr 2025 15:47

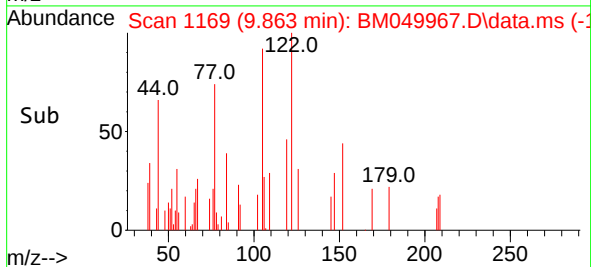
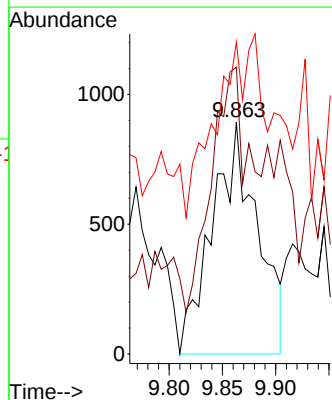
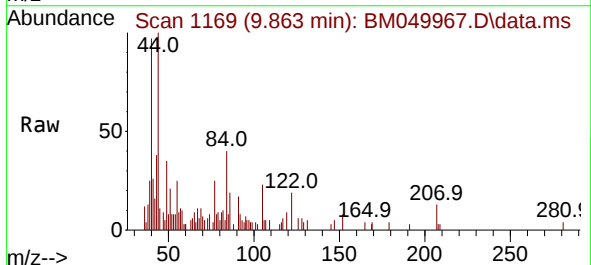
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-02

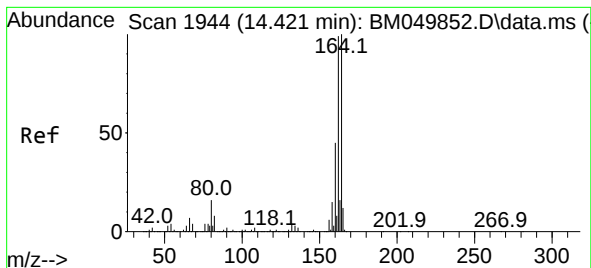
Tgt Ion: 82 Resp: 1518257
Ion Ratio Lower Upper
82 100
128 45.8 36.2 54.2
54 44.5 35.0 52.6



#32
Benzoic acid
Concen: 8.649 ng
RT: 9.863 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BM049967.D
Acq: 18 Apr 2025 15:47

Tgt Ion:122 Resp: 2621
Ion Ratio Lower Upper
122 100
105 123.7 103.8 143.8
77 134.6 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: BM049967.D

Acq: 18 Apr 2025 15:47

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-02

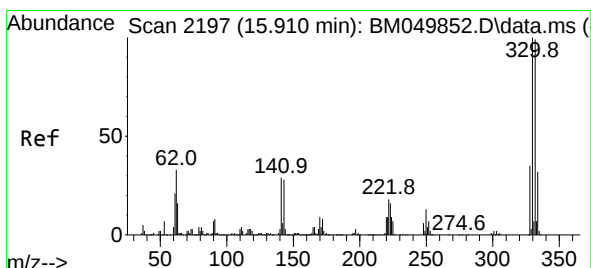
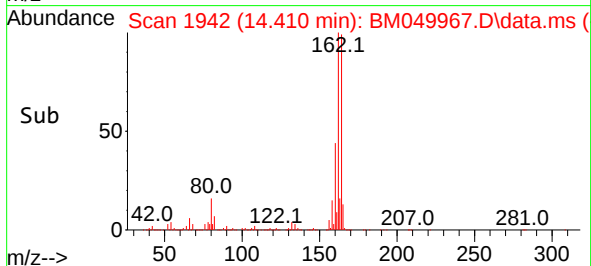
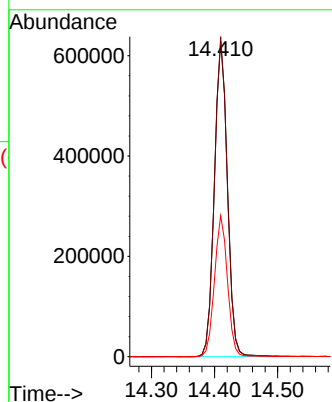
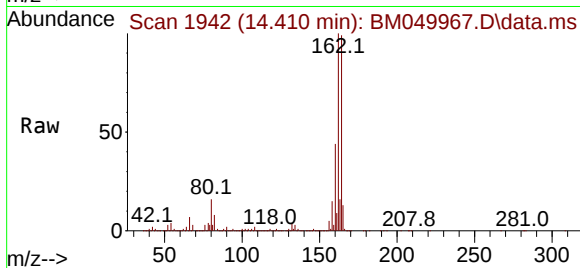
Tgt Ion:164 Resp: 904236

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# 2196

Delta R.T. -0.006 min

Lab File: BM049967.D

Acq: 18 Apr 2025 15:47

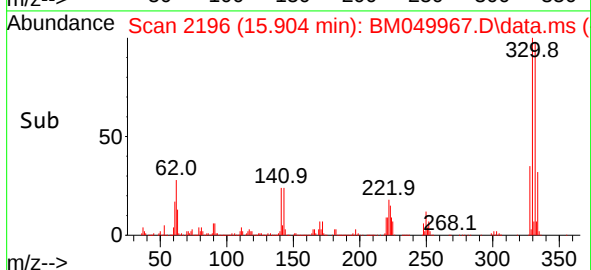
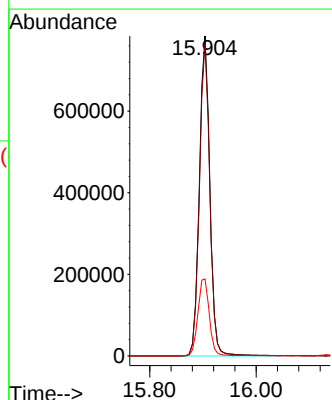
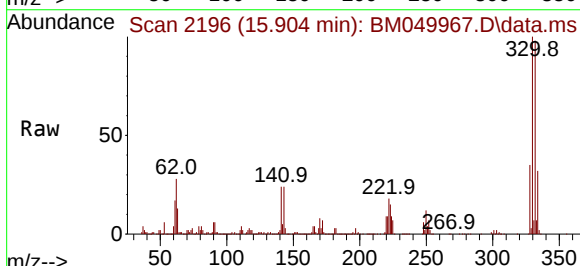
Tgt Ion:330 Resp: 1071905

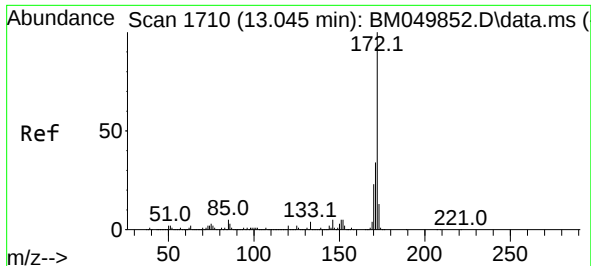
Ion Ratio Lower Upper

330 100

332 96.7 78.0 117.0

141 26.1 23.5 35.3

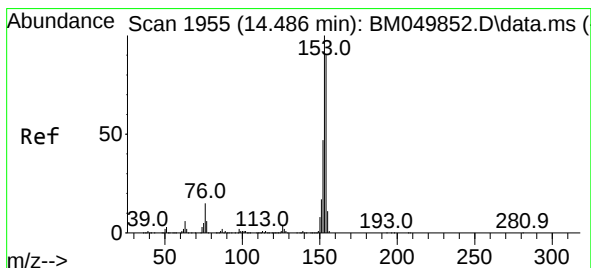
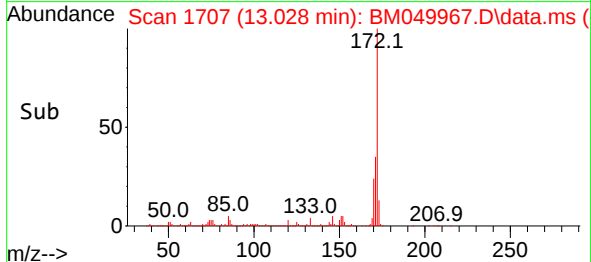
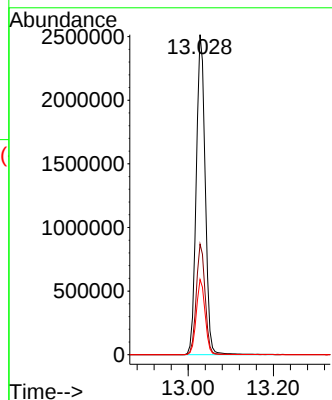
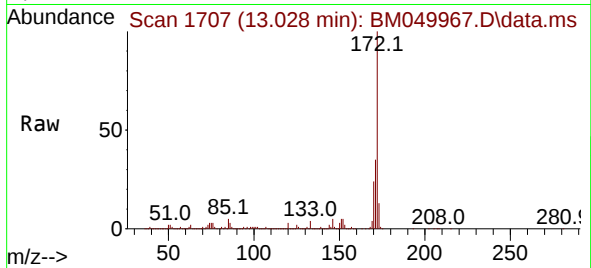




#45
2-Fluorobiphenyl
Concen: 55.079 ng
RT: 13.028 min Scan# 1710
Delta R.T. -0.018 min
Lab File: BM049967.D
Acq: 18 Apr 2025 15:47

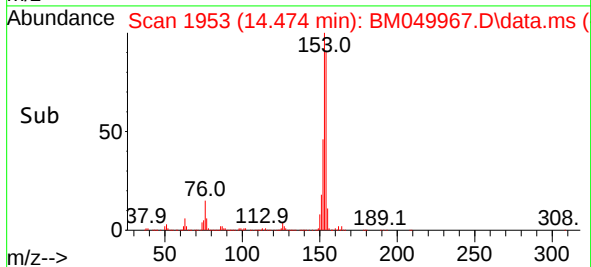
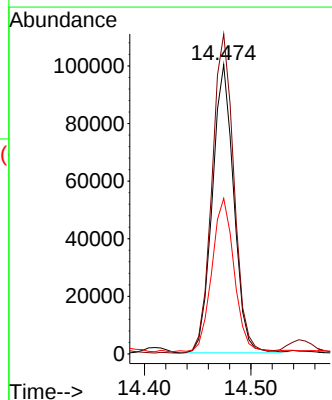
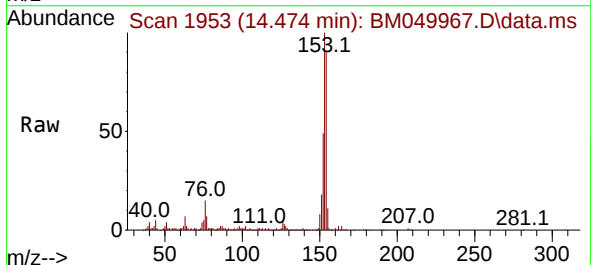
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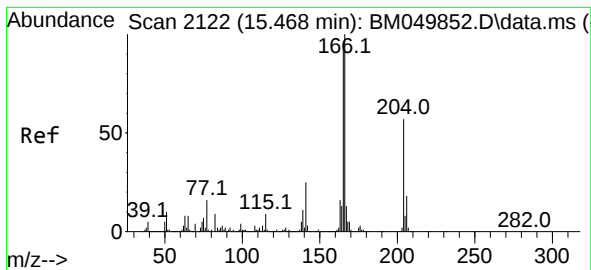
Tgt Ion:172 Resp: 3672845
Ion Ratio Lower Upper
172 100
171 34.6 27.4 41.2
170 23.5 18.6 28.0



#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

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

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-02

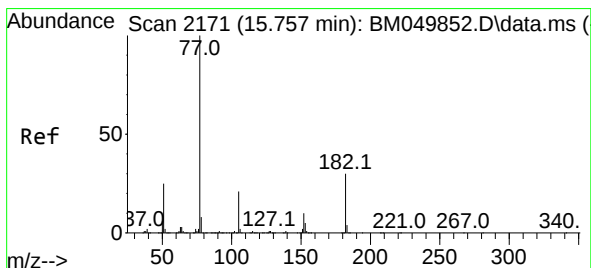
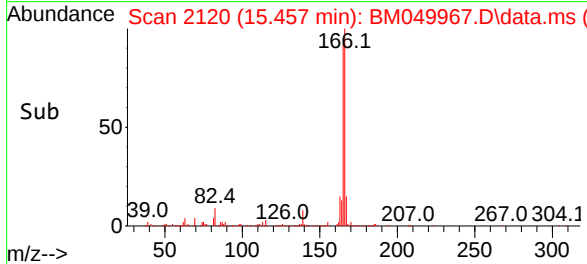
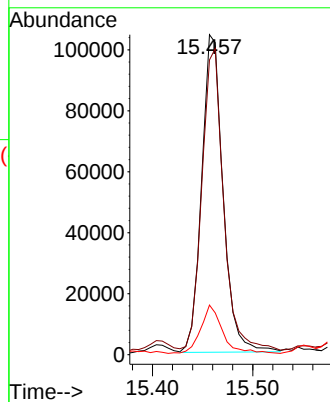
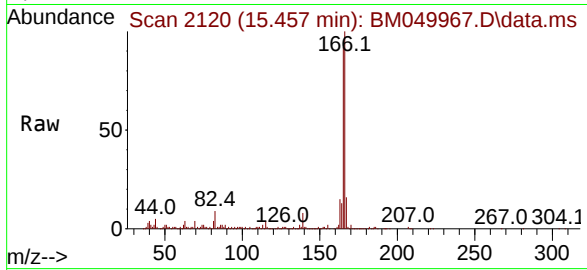
Tgt Ion:166 Resp: 154976

Ion Ratio Lower Upper

166 100

165 92.1 76.3 114.5

167 15.5 10.7 16.1



#63

Azobenzene

Concen: 7.003 ng

RT: 15.769 min Scan# 2173

Delta R.T. 0.012 min

Lab File: BM049967.D

Acq: 18 Apr 2025 15:47

Tgt Ion: 77 Resp: 366813

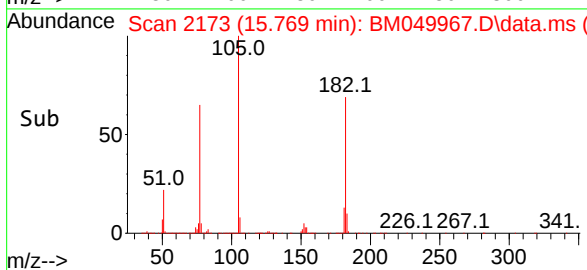
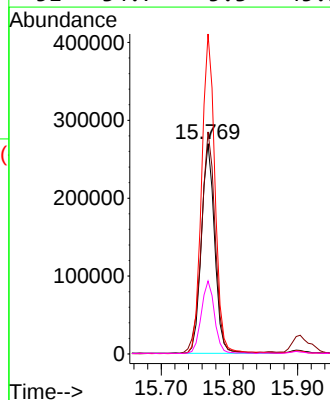
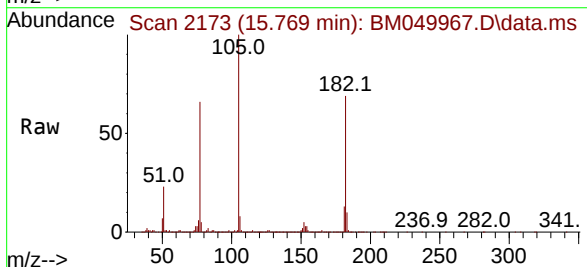
Ion Ratio Lower Upper

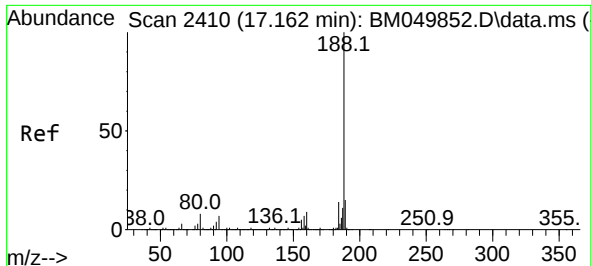
77 100

182 105.6 10.4 50.4#

105 152.1 1.5 41.5#

51 34.7 5.3 45.3

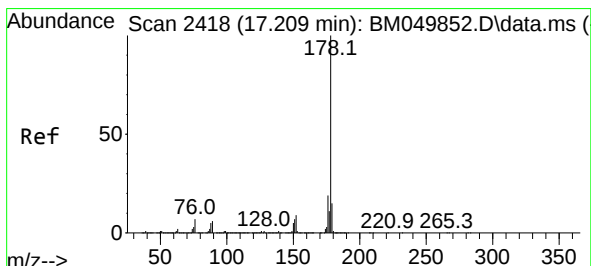
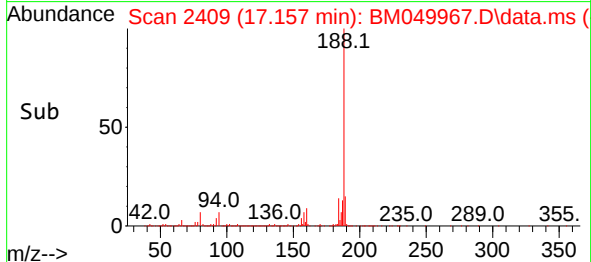
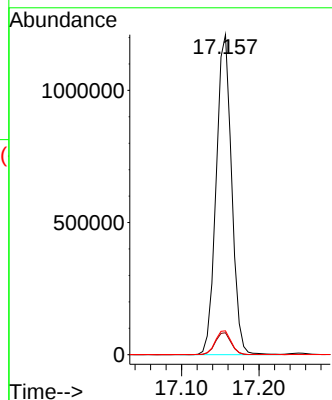
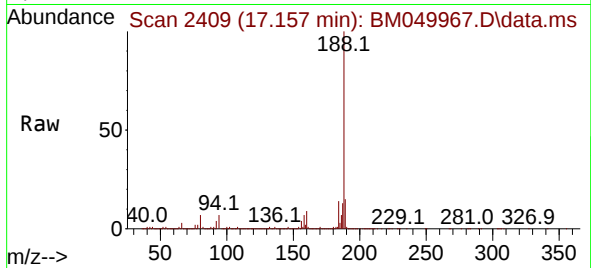




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BM049967.D
Acq: 18 Apr 2025 15:47

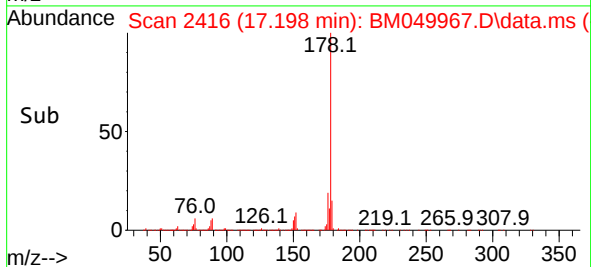
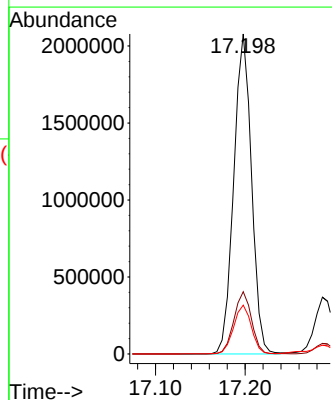
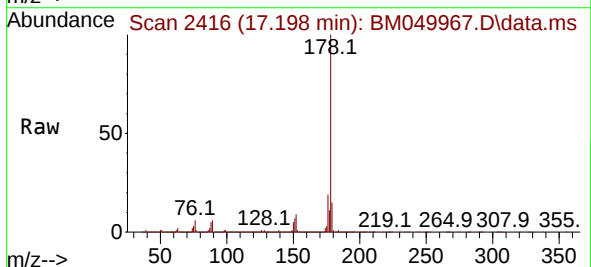
Instrument :
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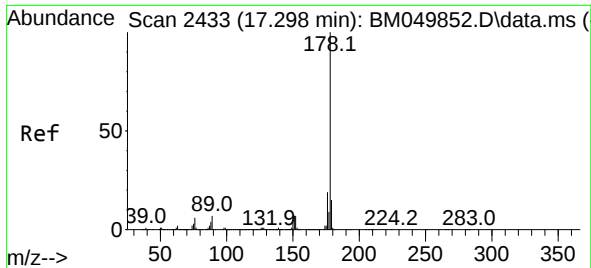
Tgt Ion:188 Resp: 1674072
Ion Ratio Lower Upper
188 100
94 6.9 5.8 8.6
80 7.4 6.4 9.6



#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

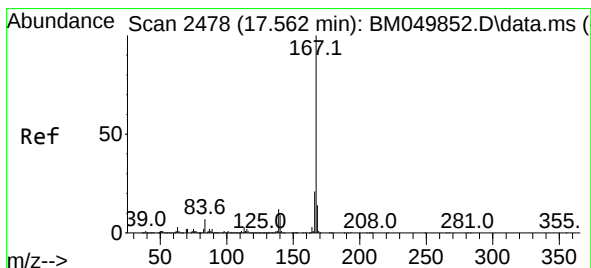
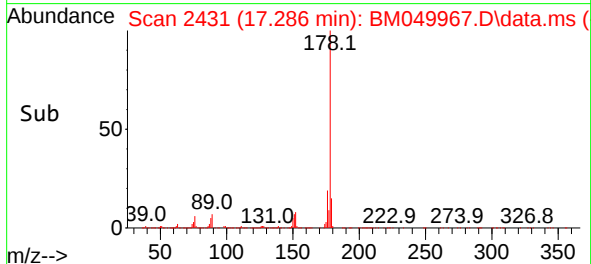
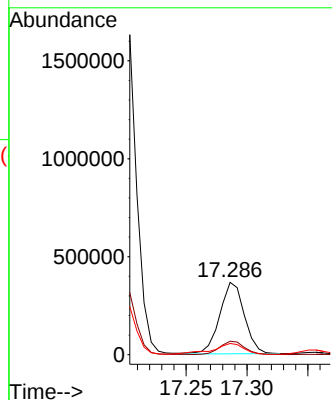
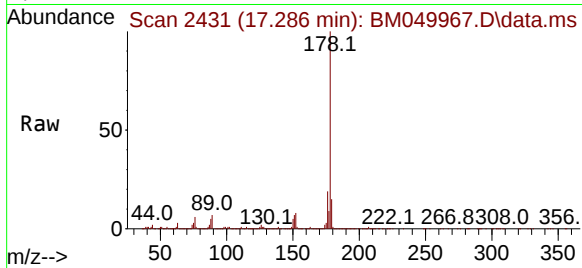




#72
 Anthracene
 Concen: 5.684 ng
 RT: 17.286 min Scan# 2433
 Delta R.T. -0.012 min
 Lab File: BM049967.D
 Acq: 18 Apr 2025 15:47

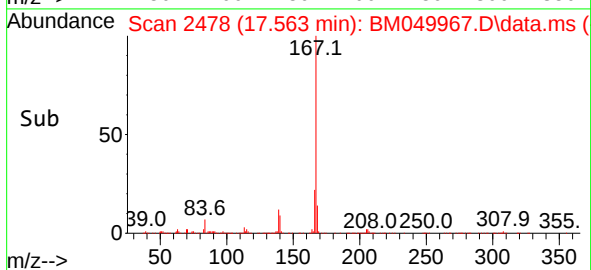
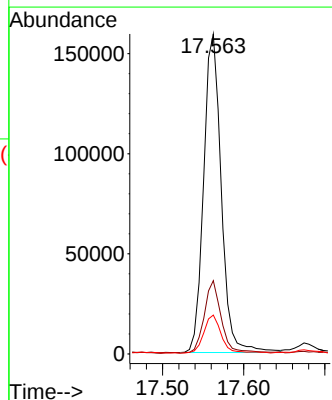
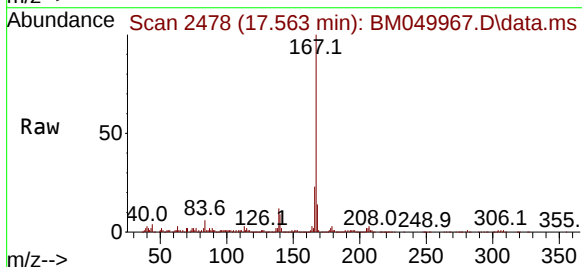
Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-02

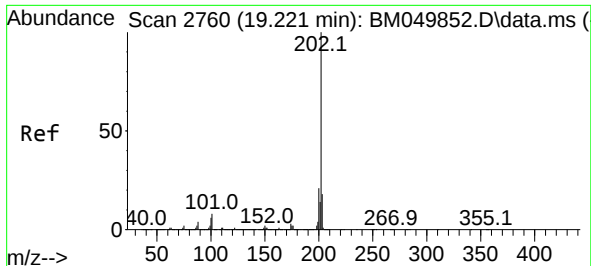
Tgt Ion:178 Resp: 514135
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.1 22.7
 179 15.4 12.4 18.6



#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

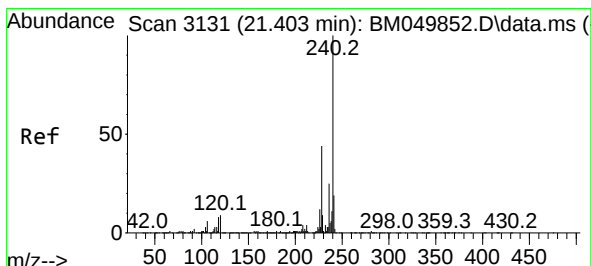
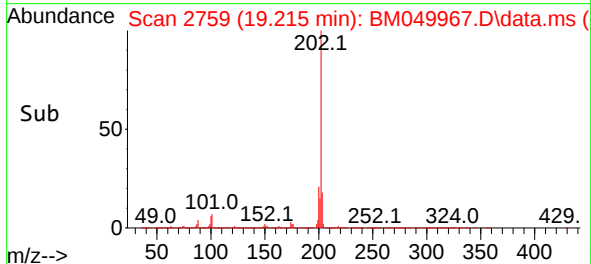
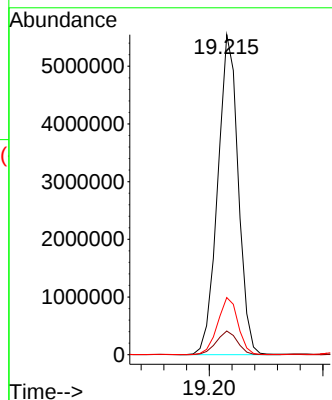
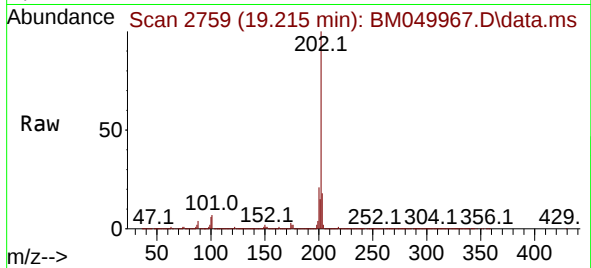




#75
Fluoranthene
Concen: 61.635 ng
RT: 19.215 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049967.D
Acq: 18 Apr 2025 15:47

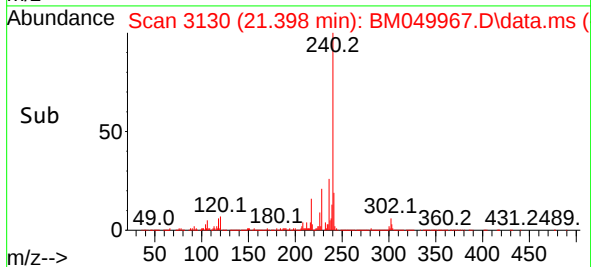
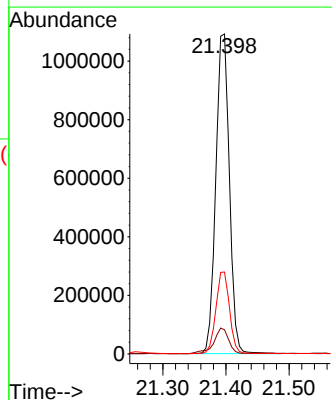
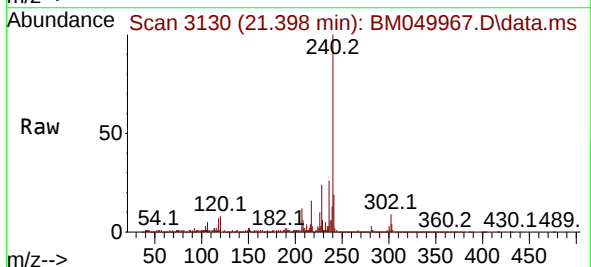
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-02

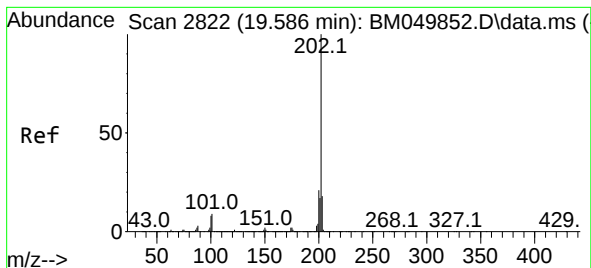
Tgt Ion:202 Resp: 6955347
Ion Ratio Lower Upper
202 100
101 7.4 0.0 28.4
203 17.8 0.0 37.8



#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

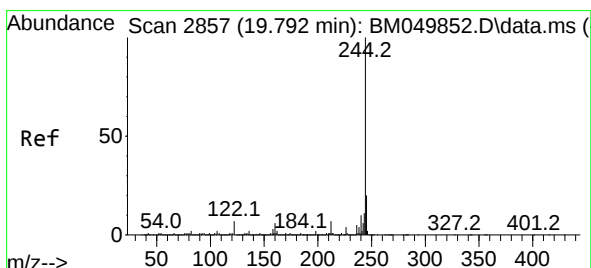
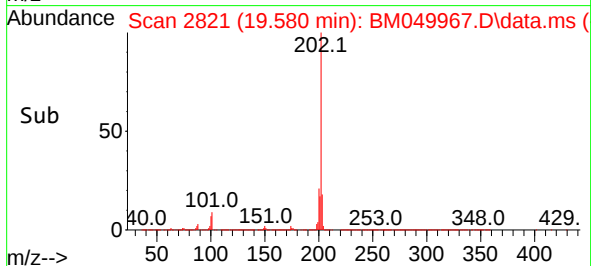
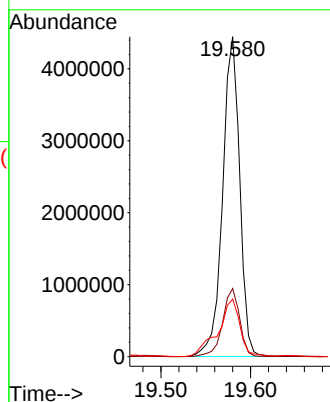
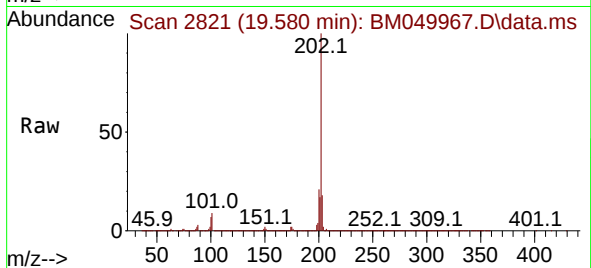
Tgt Ion:202 Resp: 5871917

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

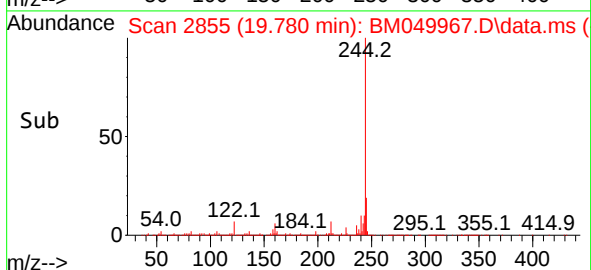
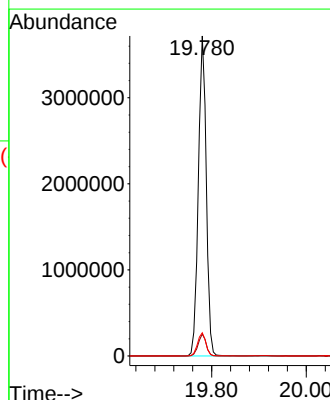
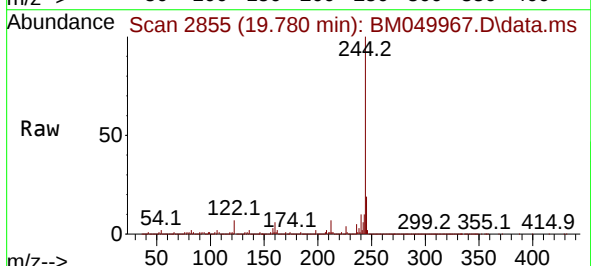
Tgt Ion:244 Resp: 4317078

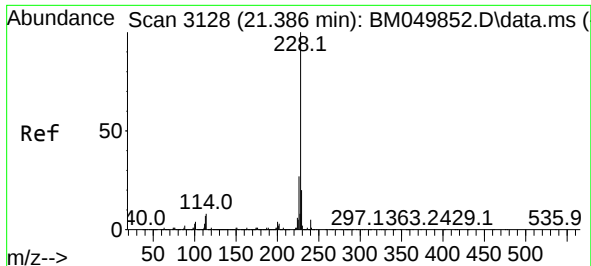
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 7.3 5.4 8.0

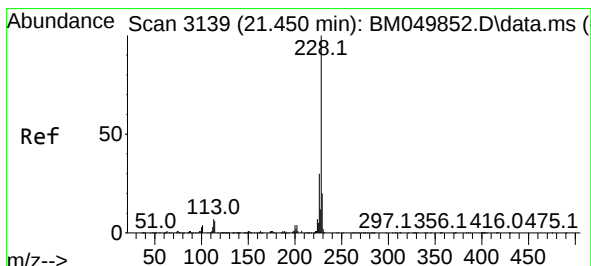
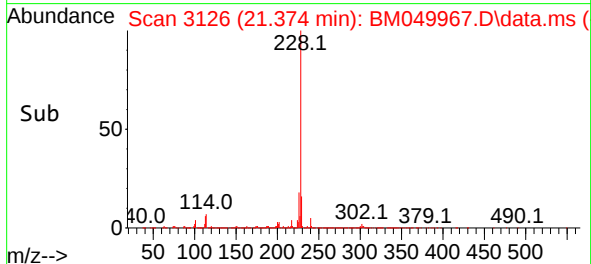
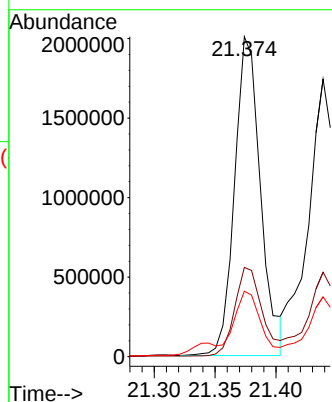
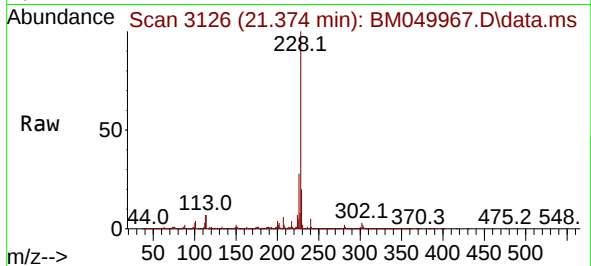




#81
Benzo(a)anthracene
Concen: 27.478 ng
RT: 21.374 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM049967.D
Acq: 18 Apr 2025 15:47

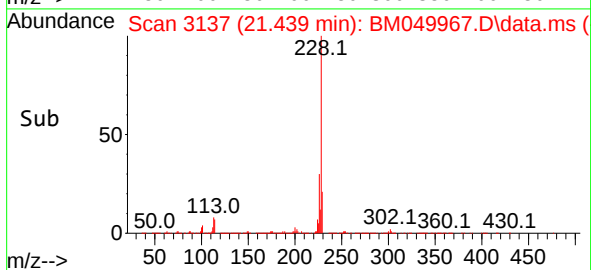
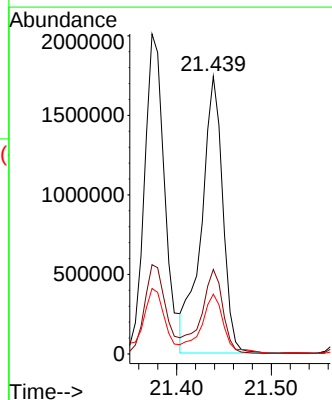
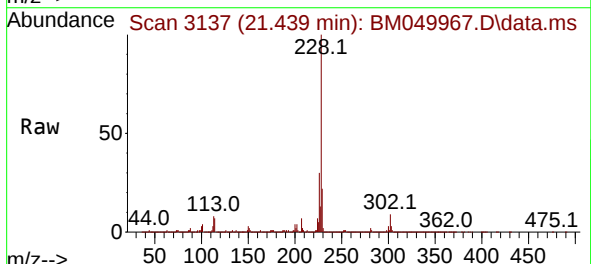
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-02

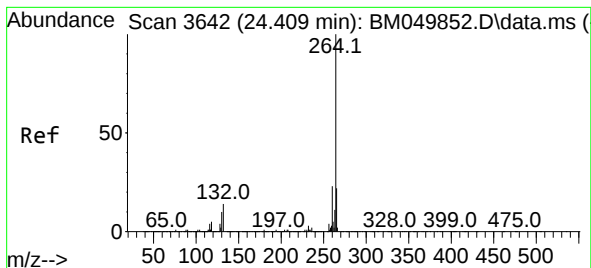
Tgt Ion:228 Resp: 2969583
Ion Ratio Lower Upper
228 100
226 27.9 21.8 32.8
229 20.5 15.8 23.8



#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

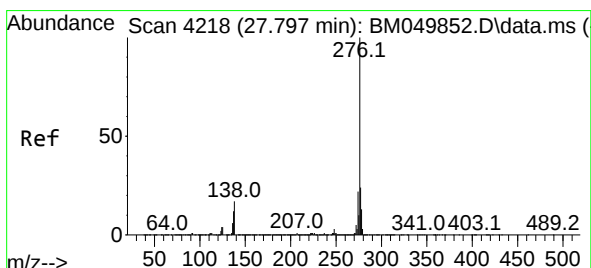
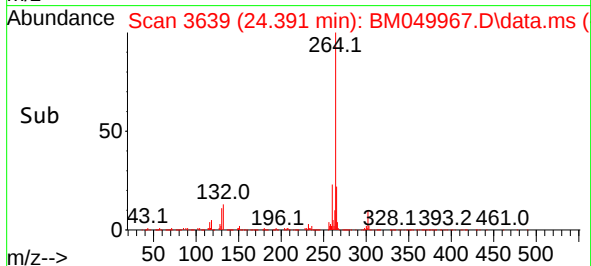
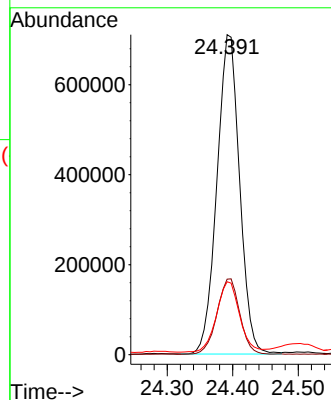
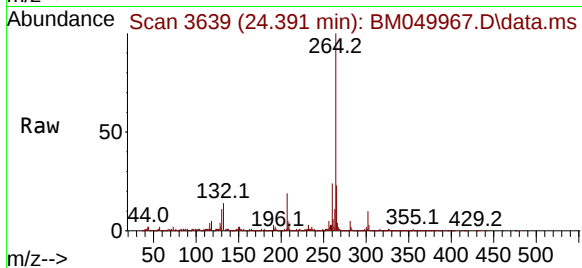
Tgt Ion:264 Resp: 1702581

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

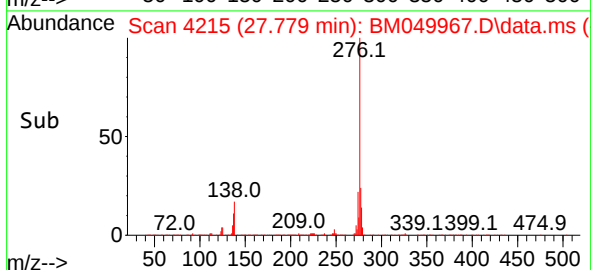
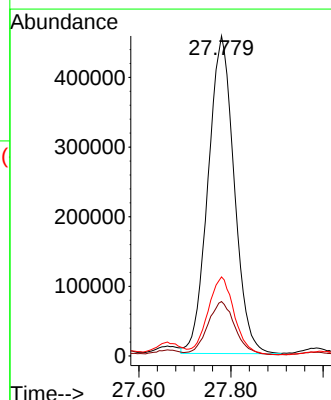
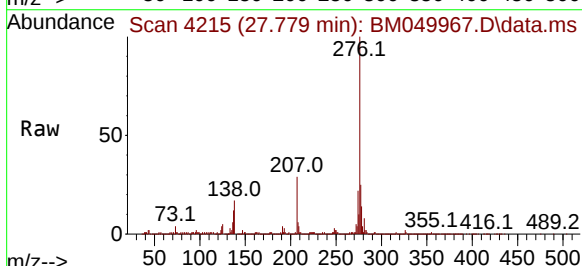
Tgt Ion:276 Resp: 1795034

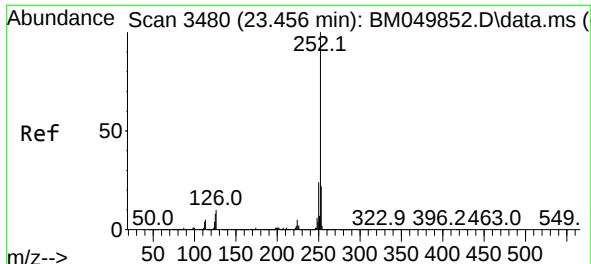
Ion Ratio Lower Upper

276 100

138 17.6 16.8 25.2

277 24.8 20.1 30.1

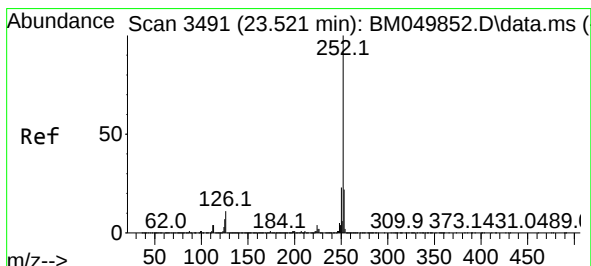
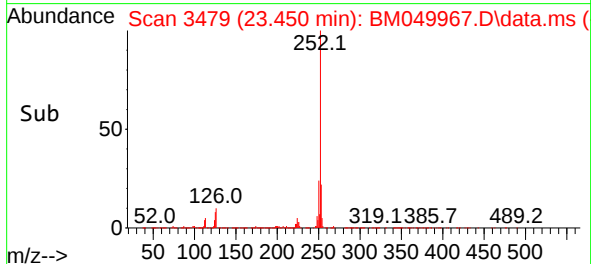
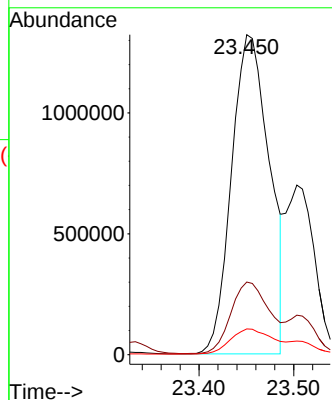
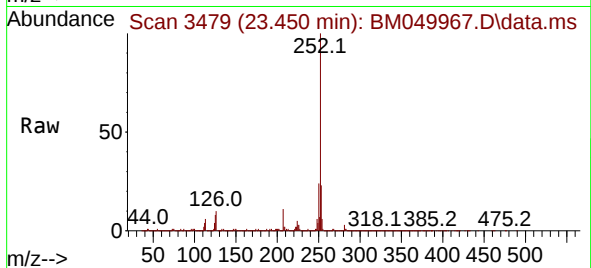




#88
Benzo(b)fluoranthene
Concen: 33.707 ng
RT: 23.450 min Scan# 3480
Delta R.T. -0.006 min
Lab File: BM049967.D
Acq: 18 Apr 2025 15:47

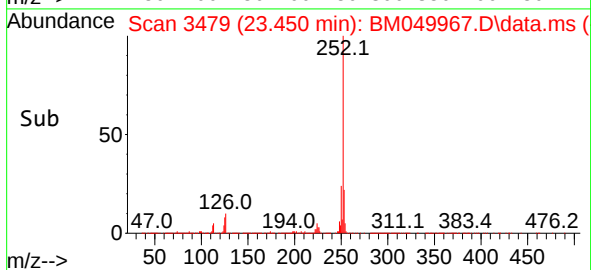
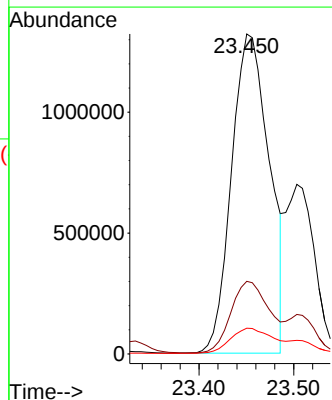
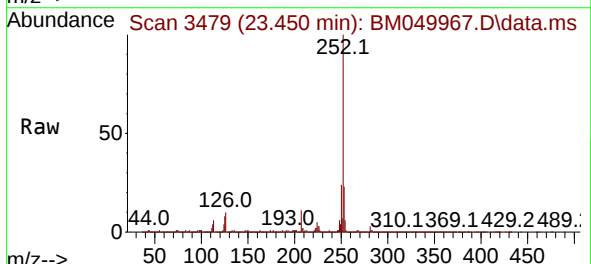
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-02

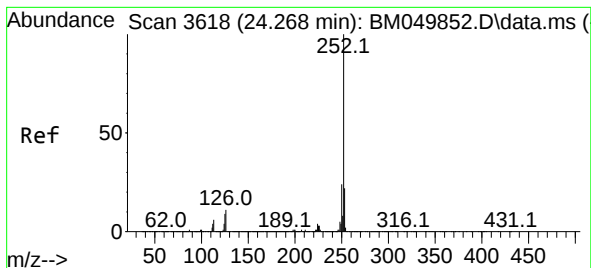
Tgt Ion:252 Resp: 3665206
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 8.1 6.2 9.4



#89
Benzo(k)fluoranthene
Concen: 34.783 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.070 min
Lab File: BM049967.D
Acq: 18 Apr 2025 15:47

Tgt Ion:252 Resp: 3665206
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 8.1 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

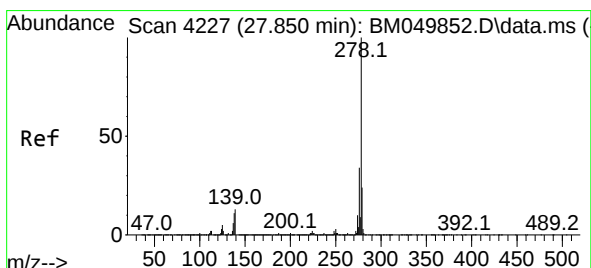
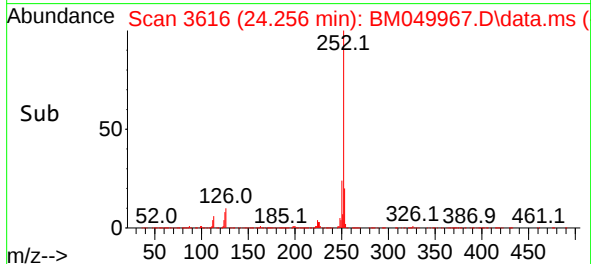
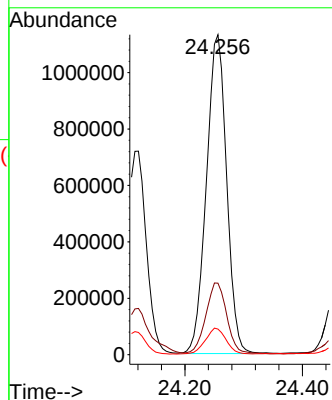
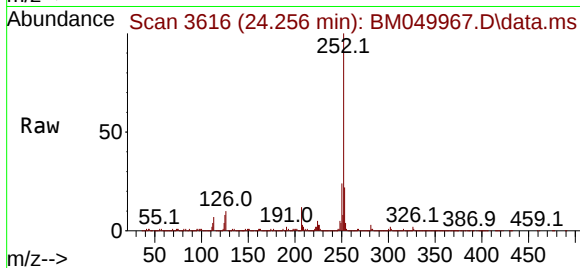
Tgt Ion:252 Resp: 2695708

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

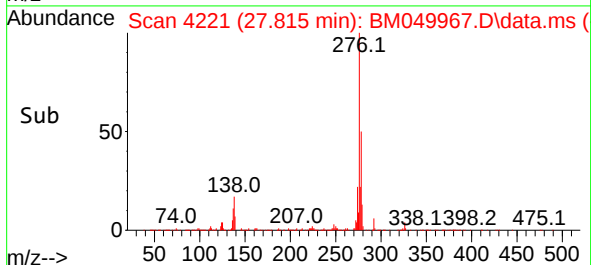
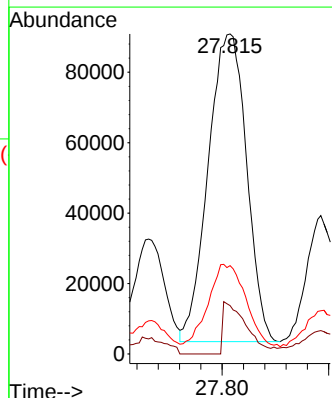
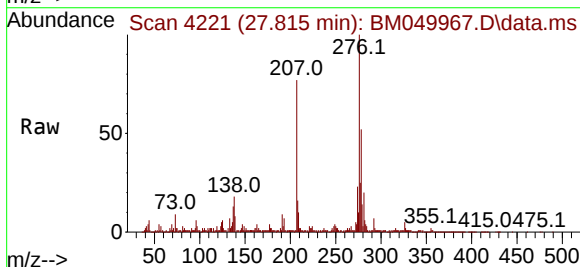
Tgt Ion:278 Resp: 437415

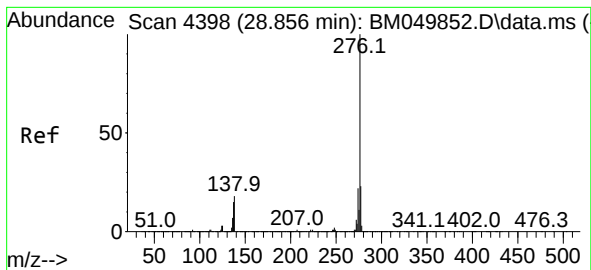
Ion Ratio Lower Upper

278 100

139 15.1 10.6 15.8

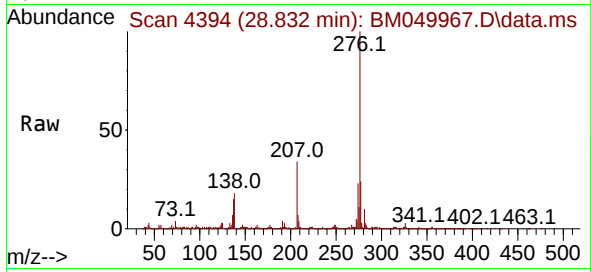
279 27.6 19.1 28.7





#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

