

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
 Data File : BM049992.D
 Acq On : 22 Apr 2025 12:32
 Operator : RC/JU
 Sample : Q1832-31DL2 100X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-6DL2

Quant Time: Apr 22 13:22:00 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)

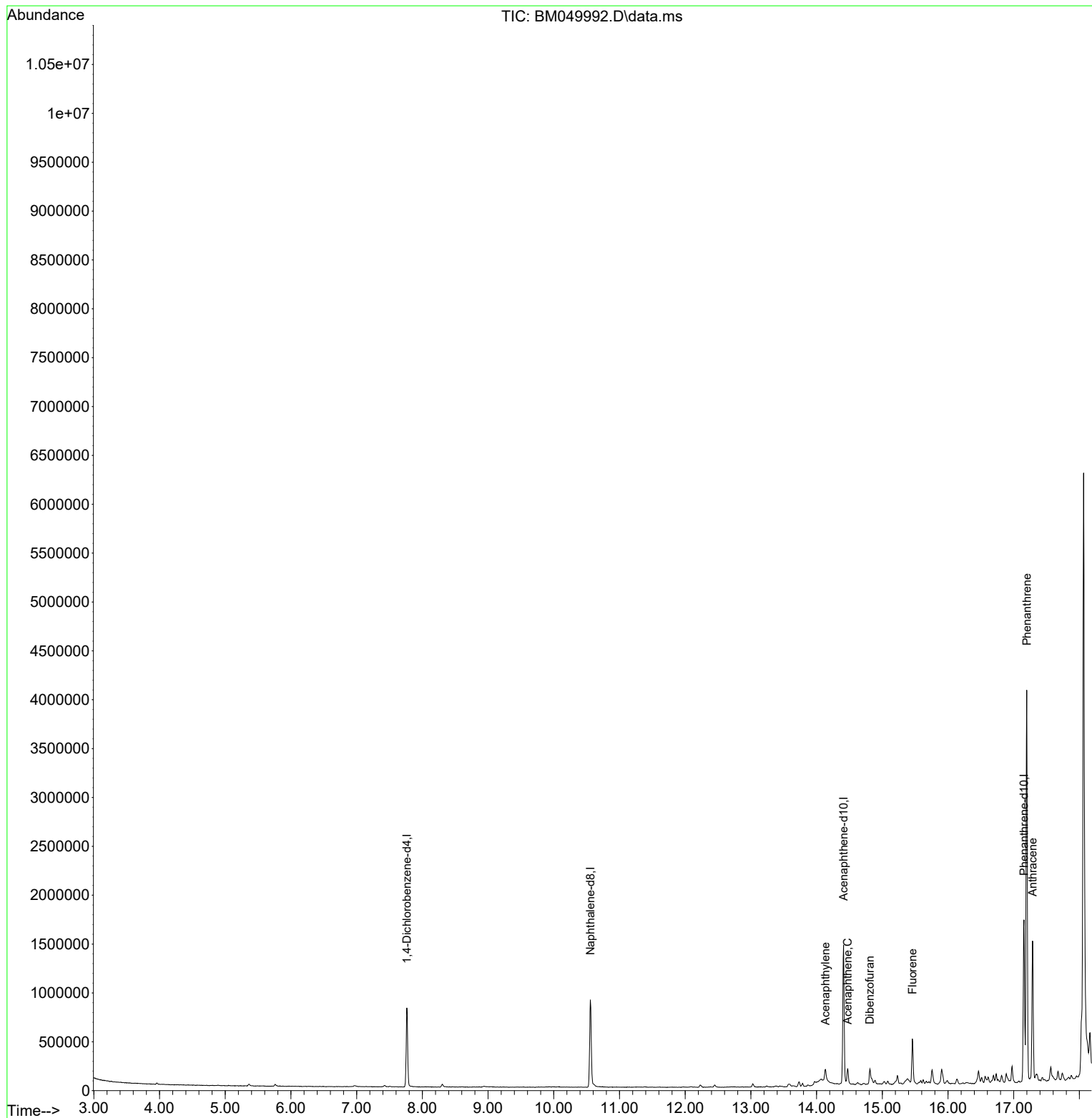
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	238844	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	815565	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	521716	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1026967	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1065982	20.000	ng	0.00
86) Perylene-d12	24.398	264	1114824	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	10468	0.744	ng	0.00
7) Phenol-d6	6.969	99	9852	0.563	ng	0.02
23) Nitrobenzene-d5	8.934	82	6631	0.453	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	5931	0.782	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	21089	0.548	ng	-0.02
79) Terphenyl-d14	19.780	244	49756	0.875	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.134	152	107378	2.418	ng	98
52) Acenaphthene	14.475	154	57073	2.021	ng	96
55) Dibenzofuran	14.810	168	98261	2.081	ng	98
58) Fluorene	15.457	166	210673	5.613	ng	99
71) Phenanthrene	17.198	178	2426266	43.093	ng	99
72) Anthracene	17.286	178	920904	16.597	ng	99
75) Fluoranthene	19.216	202	5216274	75.351	ng	99
78) Pyrene	19.580	202	3899470	53.079	ng	99
81) Benzo(a)anthracene	21.380	228	2285388	32.259	ng	99
83) Chrysene	21.439	228	1883766	27.969	ng	98
87) Indeno(1,2,3-cd)pyrene	27.786	276	995826	11.983	ng	98
88) Benzo(b)fluoranthene	23.456	252	2222913	31.221	ng	99
89) Benzo(k)fluoranthene	23.509	252	846007m	12.261	ng	
90) Benzo(a)pyrene	24.256	252	1620458	25.900	ng	99
91) Dibenzo(a,h)anthracene	27.815	278	276793	4.044	ng	# 92
92) Benzo(g,h,i)perylene	28.838	276	896591	12.818	ng	99

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

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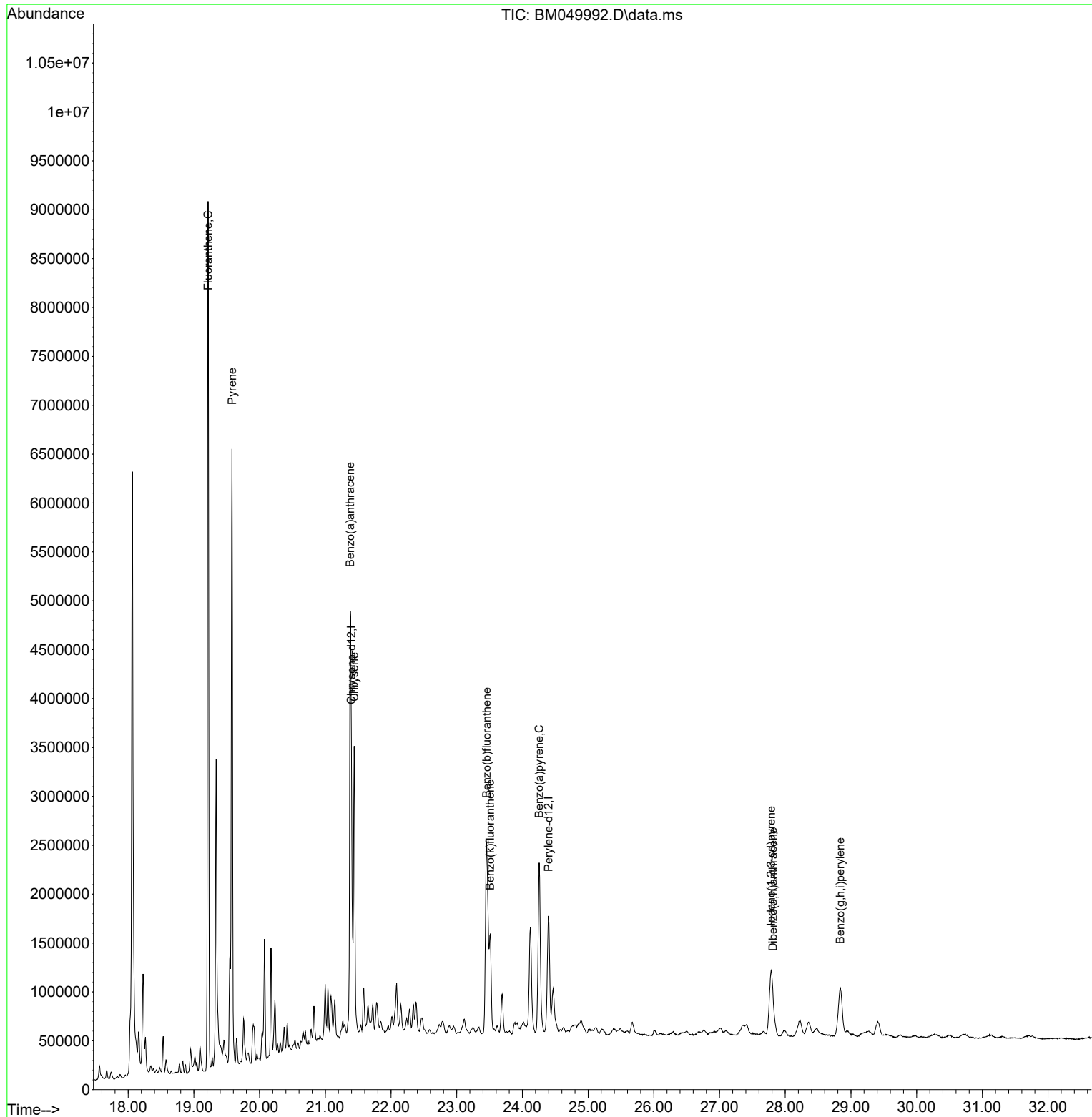
Quant Time: Apr 22 13:22:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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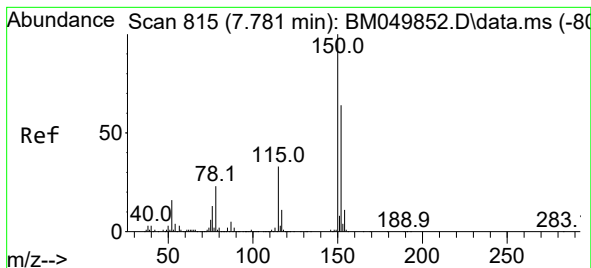


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
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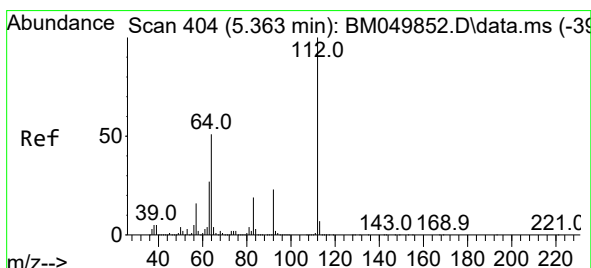
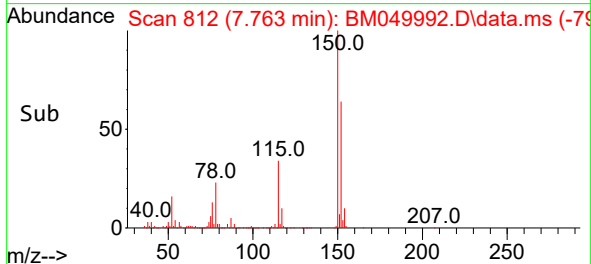
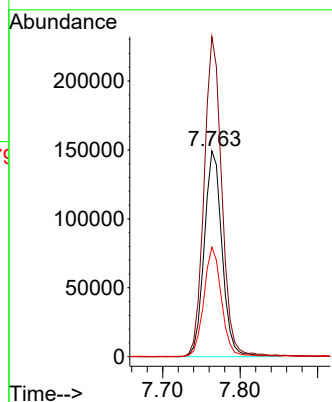
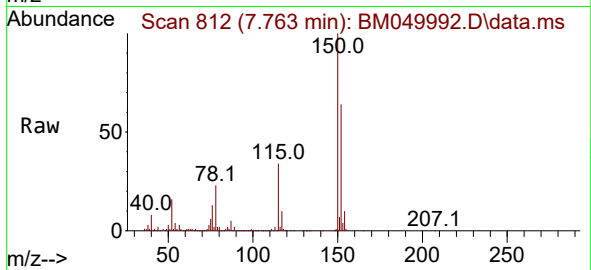




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM049992.D
Acq: 22 Apr 2025 12:32

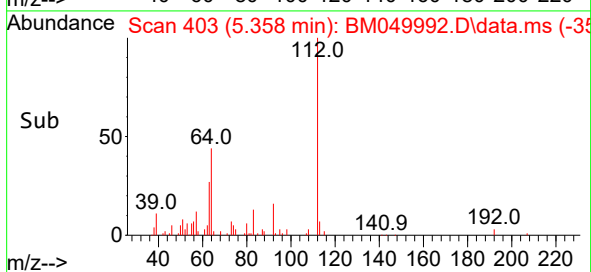
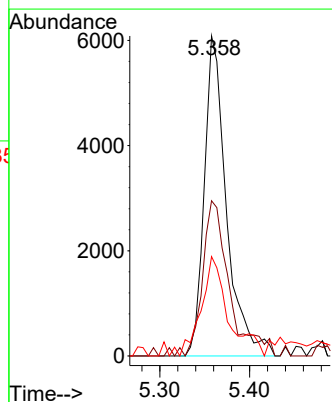
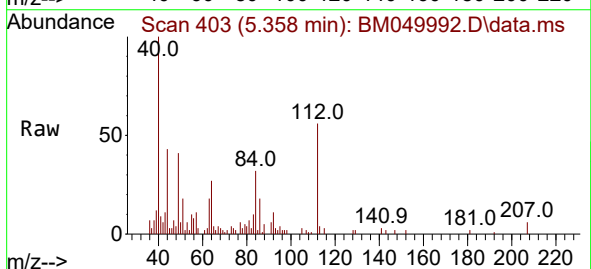
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6DL2

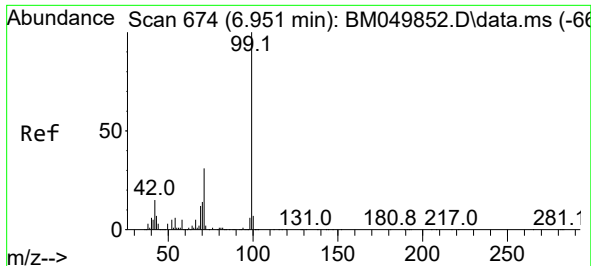
Tgt Ion:152 Resp: 238844
Ion Ratio Lower Upper
152 100
150 155.5 124.3 186.5
115 53.2 41.1 61.7



#5
2-Fluorophenol
Concen: 0.744 ng
RT: 5.358 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049992.D
Acq: 22 Apr 2025 12:32

Tgt Ion:112 Resp: 10468
Ion Ratio Lower Upper
112 100
64 48.5 41.0 61.6
63 31.0 21.5 32.3

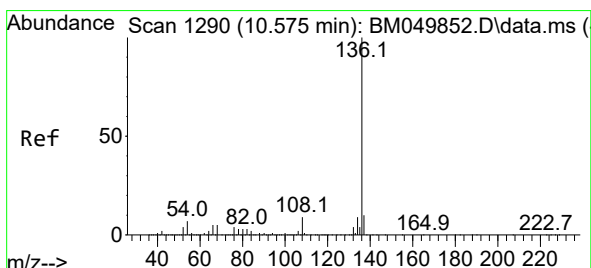
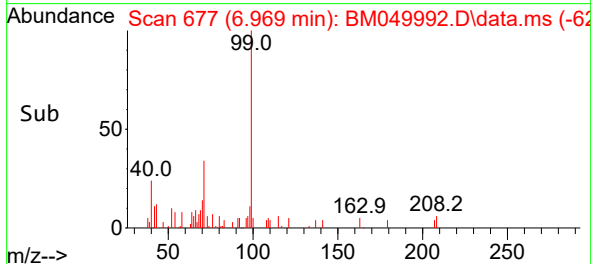
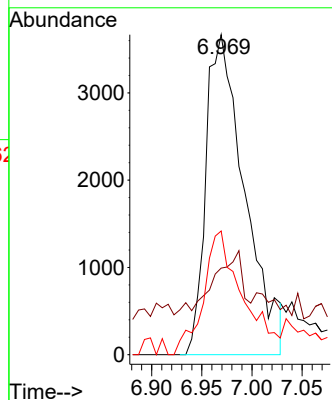
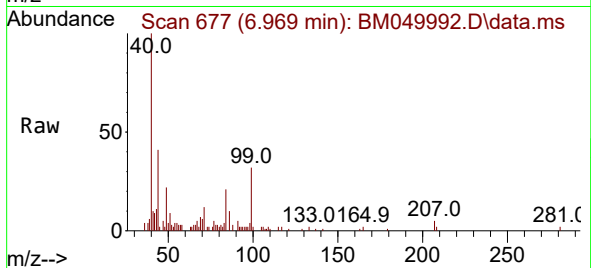




#7
Phenol-d6
Concen: 0.563 ng
RT: 6.969 min Scan# 61
Delta R.T. 0.018 min
Lab File: BM049992.D
Acq: 22 Apr 2025 12:32

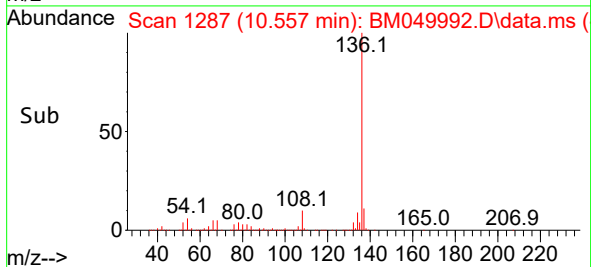
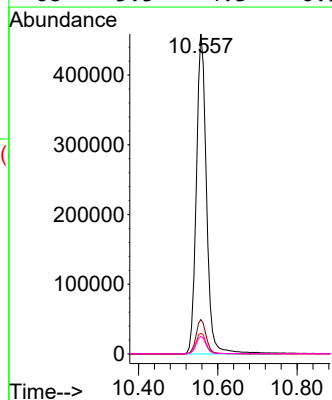
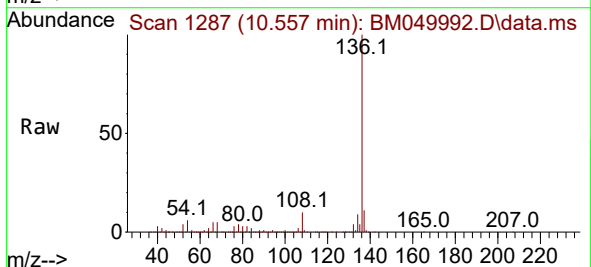
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6DL2

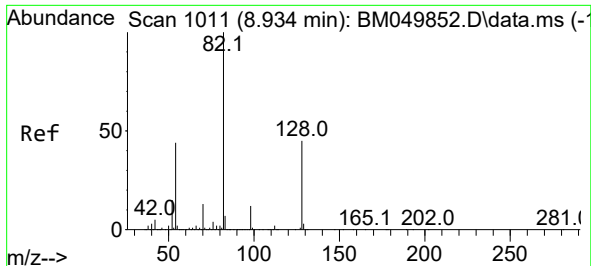
Tgt Ion: 99 Resp: 9852
Ion Ratio Lower Upper
99 100
42 27.1 12.1 18.1#
71 38.6 24.9 37.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.017 min
Lab File: BM049992.D
Acq: 22 Apr 2025 12:32

Tgt Ion: 136 Resp: 815565
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 6.4 5.3 7.9
68 5.5 4.3 6.5

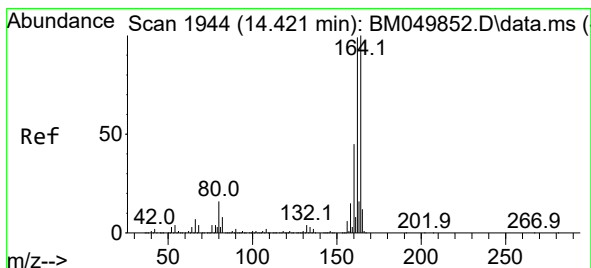
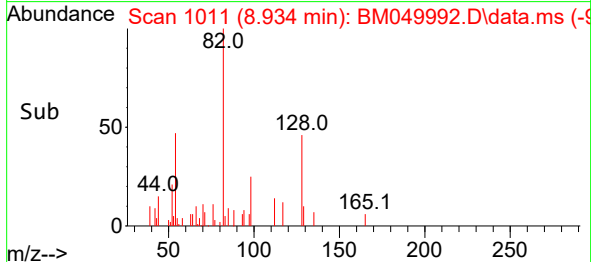
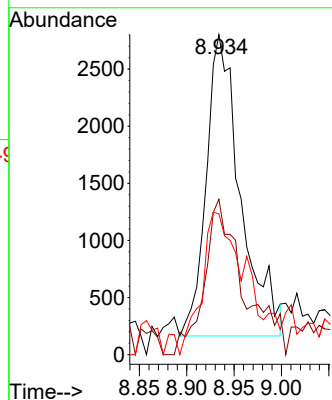
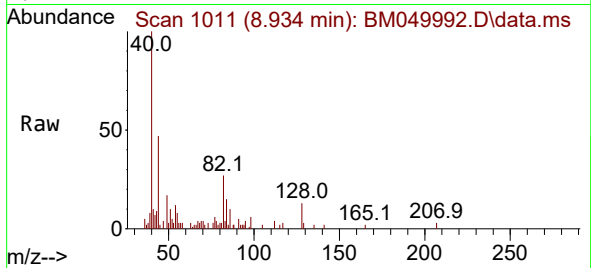




#23
Nitrobenzene-d5
Concen: 0.453 ng
RT: 8.934 min Scan# 1011
Delta R.T. 0.000 min
Lab File: BM049992.D
Acq: 22 Apr 2025 12:32

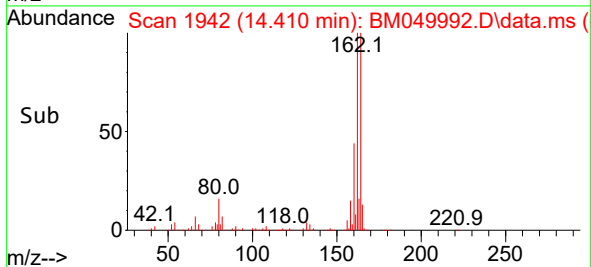
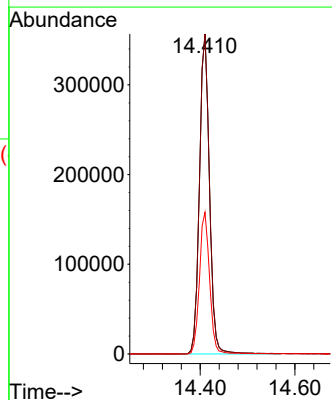
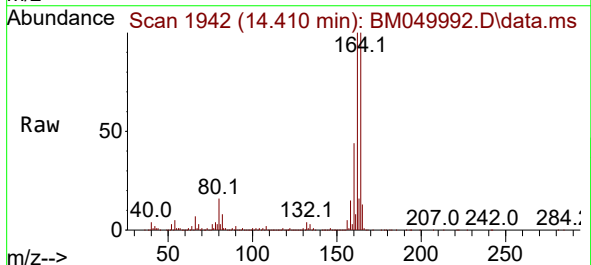
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6DL2

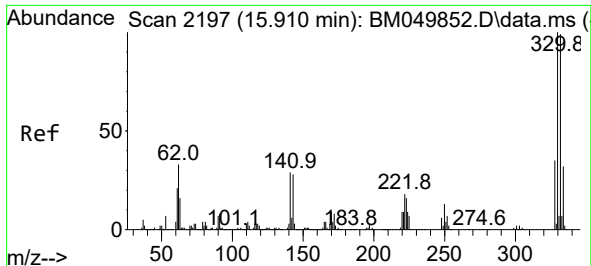
Tgt Ion:	82	Resp:	6631
Ion	Ratio	Lower	Upper
82	100		
128	48.6	36.2	54.2
54	44.0	35.0	52.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.011 min
Lab File: BM049992.D
Acq: 22 Apr 2025 12:32

Tgt Ion:	164	Resp:	521716
Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.4	119.0
160	44.3	36.2	54.2





#42

2,4,6-Tribromophenol

Concen: 0.782 ng

RT: 15.910 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BM049992.D

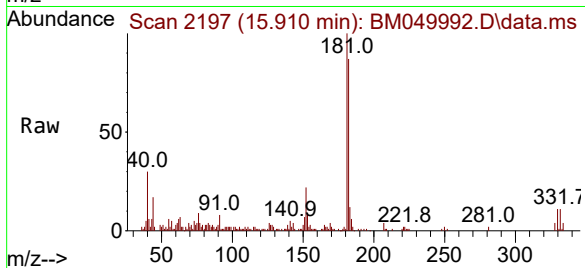
Acq: 22 Apr 2025 12:32

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-6DL2



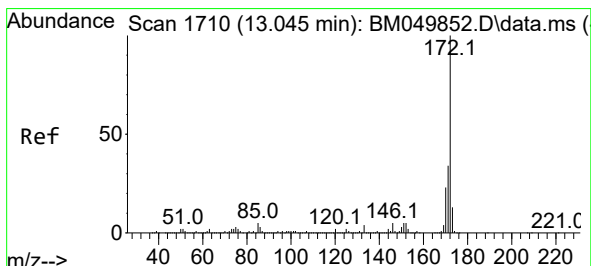
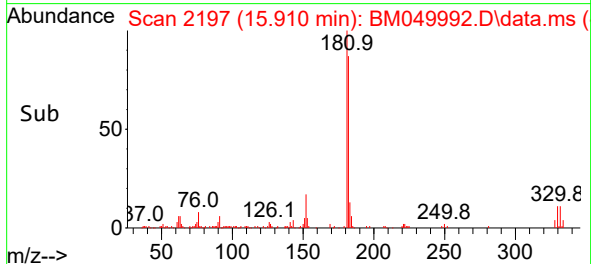
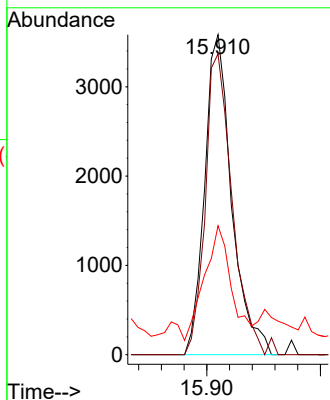
Tgt Ion:330 Resp: 5931

Ion Ratio Lower Upper

330 100

332 94.1 78.0 117.0

141 35.4 23.5 35.3#



#45

2-Fluorobiphenyl

Concen: 0.548 ng

RT: 13.028 min Scan# 1707

Delta R.T. -0.017 min

Lab File: BM049992.D

Acq: 22 Apr 2025 12:32

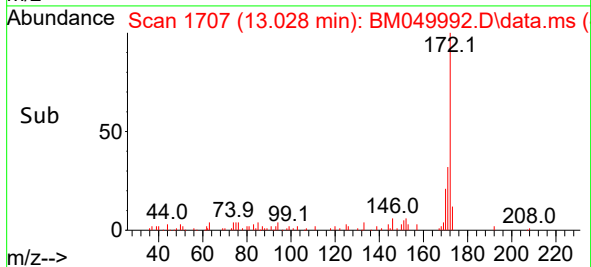
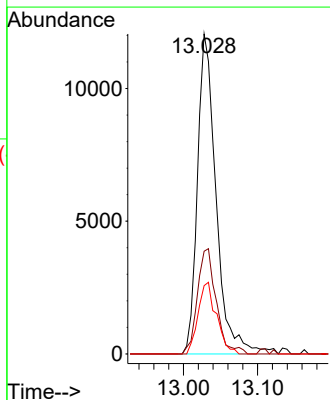
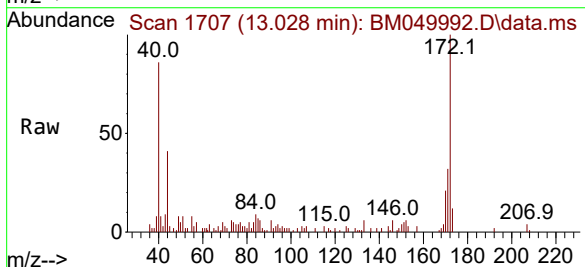
Tgt Ion:172 Resp: 21089

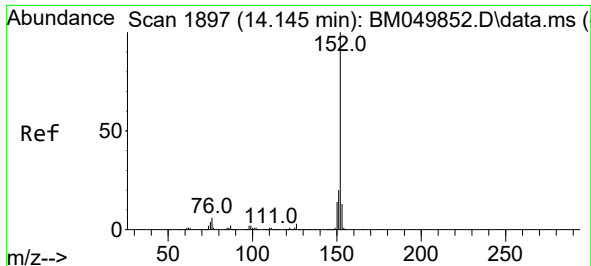
Ion Ratio Lower Upper

172 100

171 32.1 27.4 41.2

170 21.3 18.6 28.0

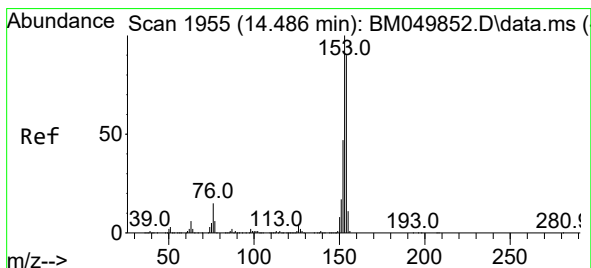
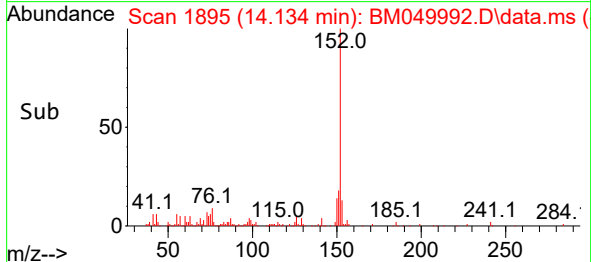
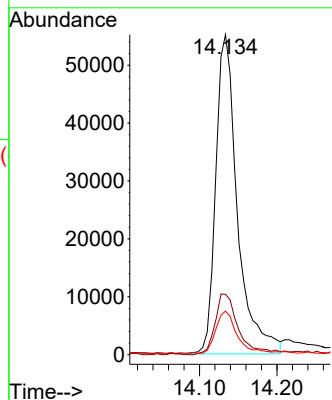
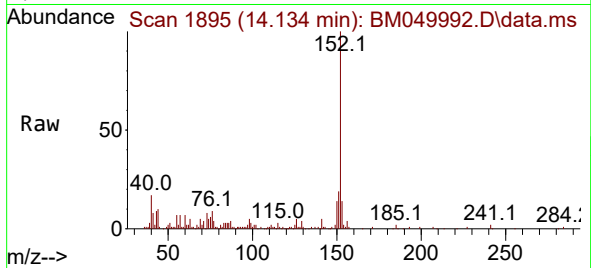




#49
Acenaphthylene
Concen: 2.418 ng
RT: 14.134 min Scan# 1895
Delta R.T. -0.011 min
Lab File: BM049992.D
Acq: 22 Apr 2025 12:32

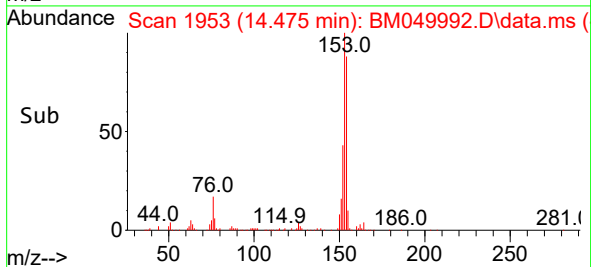
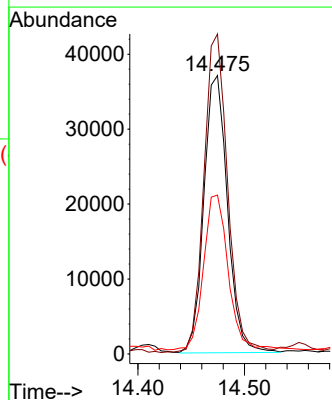
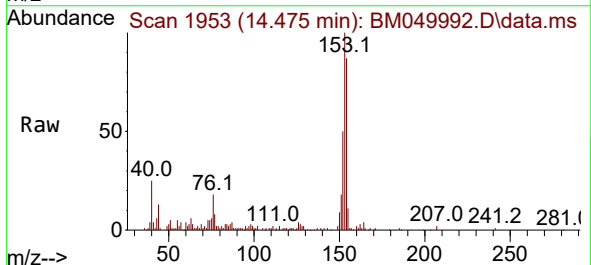
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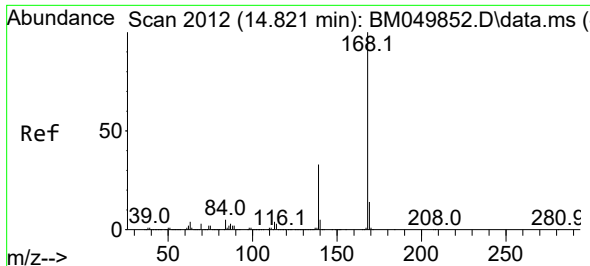
Tgt Ion:152 Resp: 107378
Ion Ratio Lower Upper
152 100
151 18.9 15.7 23.5
153 13.6 10.4 15.6



#52
Acenaphthene
Concen: 2.021 ng
RT: 14.475 min Scan# 1953
Delta R.T. -0.011 min
Lab File: BM049992.D
Acq: 22 Apr 2025 12:32

Tgt Ion:154 Resp: 57073
Ion Ratio Lower Upper
154 100
153 114.9 89.3 133.9
152 57.1 42.2 63.2

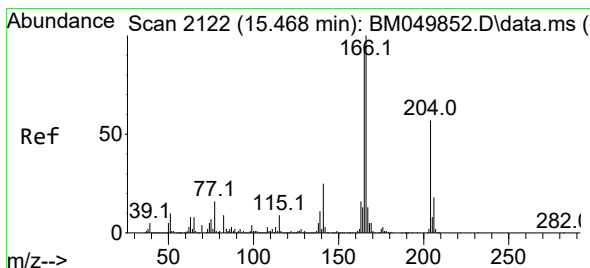
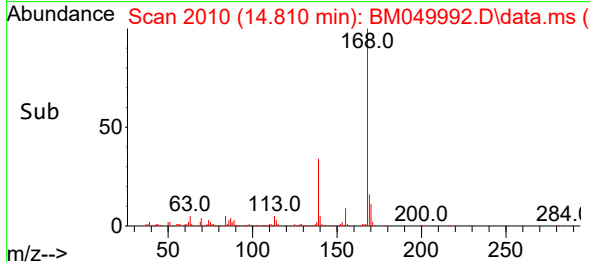
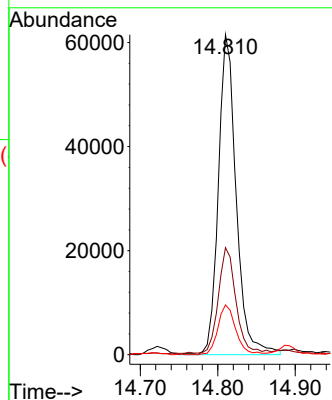
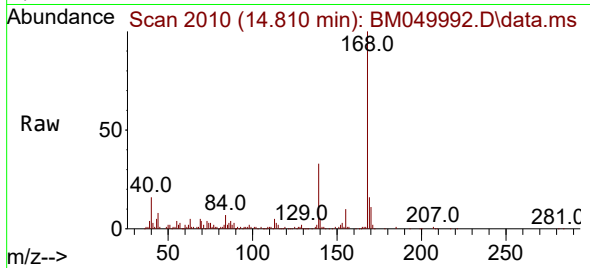




#55
Dibenzenofuran
Concen: 2.081 ng
RT: 14.810 min Scan# 20
Delta R.T. -0.011 min
Lab File: BM049992.D
Acq: 22 Apr 2025 12:32

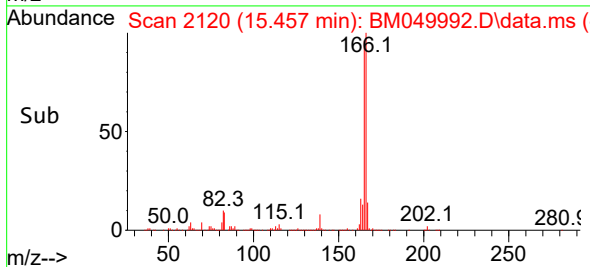
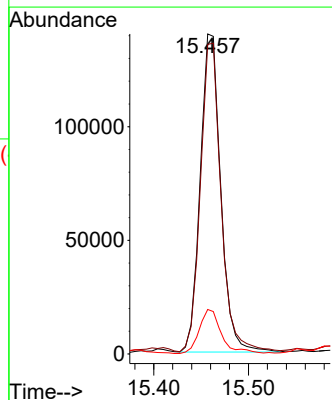
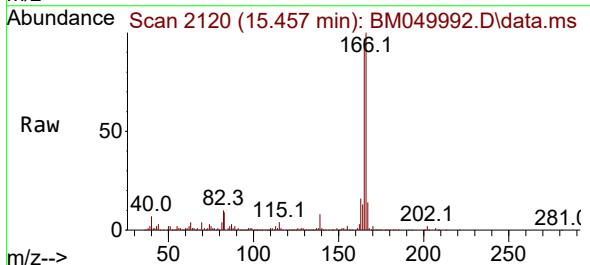
Instrument :
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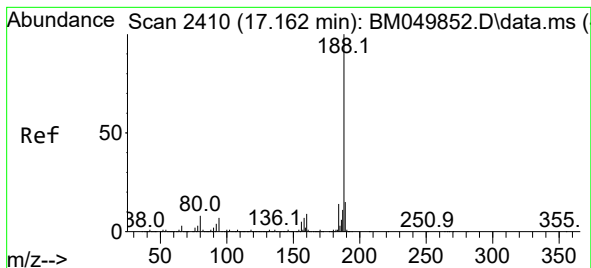
Tgt Ion:168 Resp: 98261
Ion Ratio Lower Upper
168 100
139 33.4 26.6 39.8
169 15.6 11.0 16.4



#58
Fluorene
Concen: 5.613 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.011 min
Lab File: BM049992.D
Acq: 22 Apr 2025 12:32

Tgt Ion:166 Resp: 210673
Ion Ratio Lower Upper
166 100
165 96.7 76.3 114.5
167 13.9 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: BM049992.D

Acq: 22 Apr 2025 12:32

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-6DL2

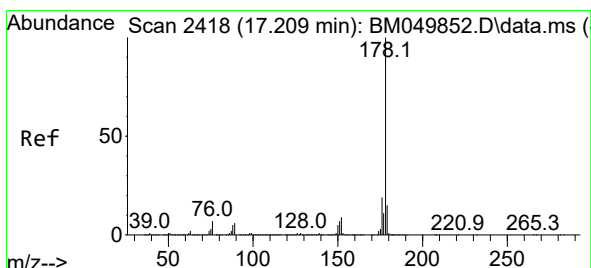
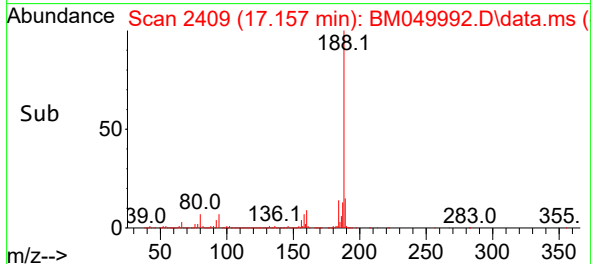
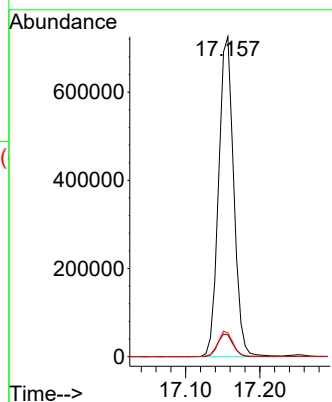
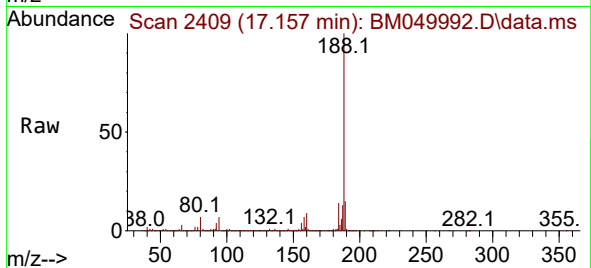
Tgt Ion:188 Resp: 1026967

Ion Ratio Lower Upper

188 100

94 6.8 5.8 8.6

80 7.4 6.4 9.6



#71

Phenanthrene

Concen: 43.093 ng

RT: 17.198 min Scan# 2416

Delta R.T. -0.011 min

Lab File: BM049992.D

Acq: 22 Apr 2025 12:32

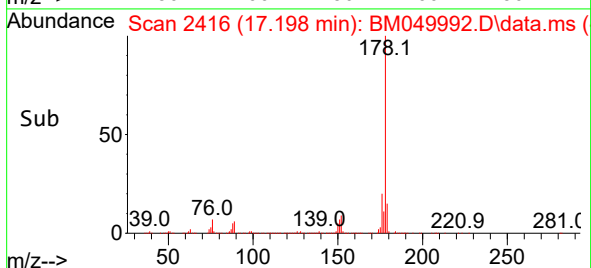
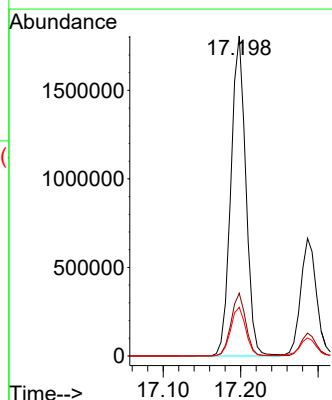
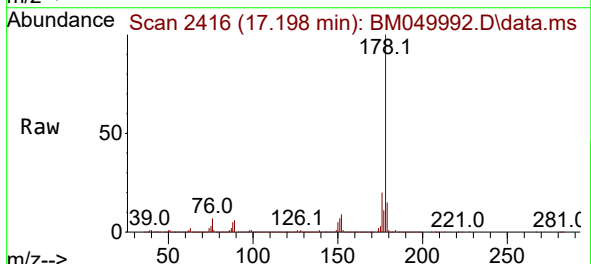
Tgt Ion:178 Resp: 2426266

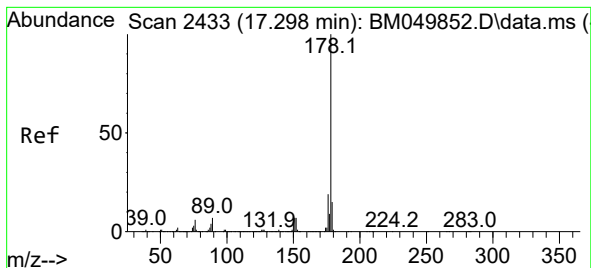
Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

179 15.2 12.3 18.5





#72

Anthracene

Concen: 16.597 ng

RT: 17.286 min Scan# 2433

Delta R.T. -0.011 min

Lab File: BM049992.D

Acq: 22 Apr 2025 12:32

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-6DL2

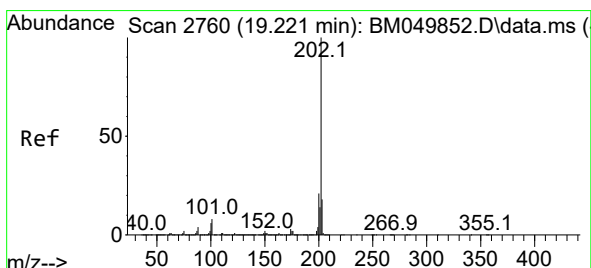
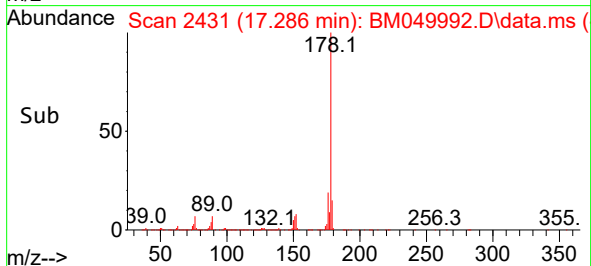
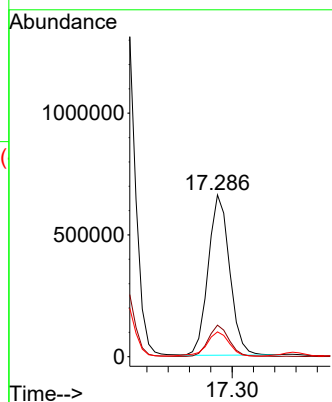
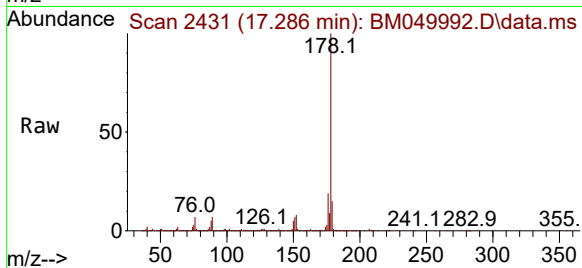
Tgt Ion:178 Resp: 920904

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

179 15.3 12.4 18.6



#75

Fluoranthene

Concen: 75.351 ng

RT: 19.216 min Scan# 2759

Delta R.T. -0.006 min

Lab File: BM049992.D

Acq: 22 Apr 2025 12:32

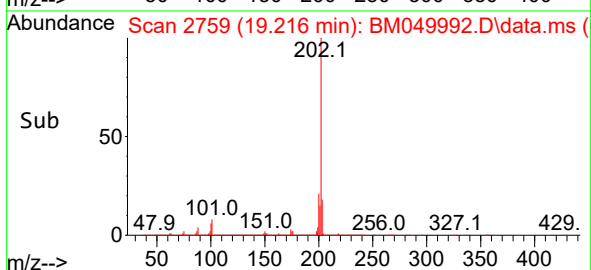
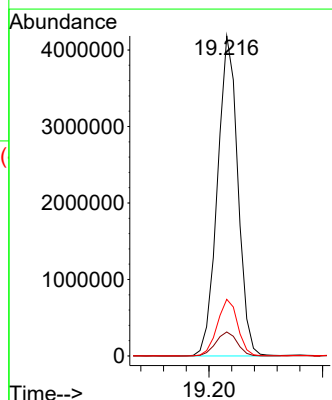
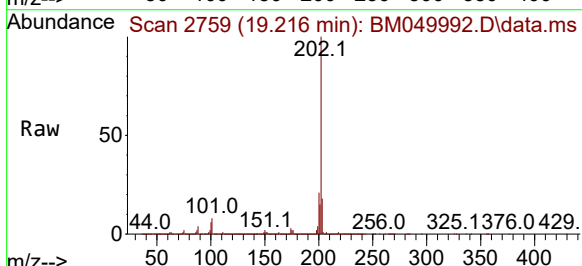
Tgt Ion:202 Resp: 5216274

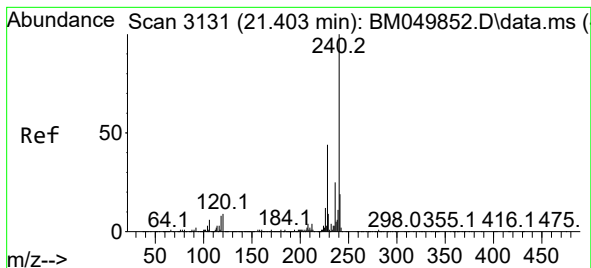
Ion Ratio Lower Upper

202 100

101 7.5 0.0 28.4

203 17.7 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.398 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM049992.D

Acq: 22 Apr 2025 12:32

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-6DL2

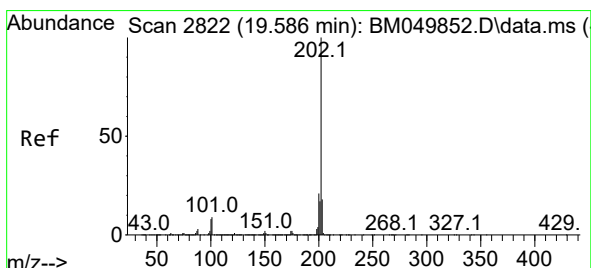
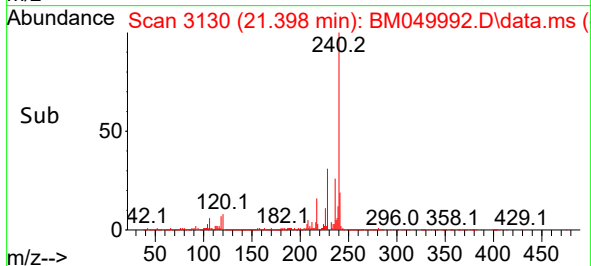
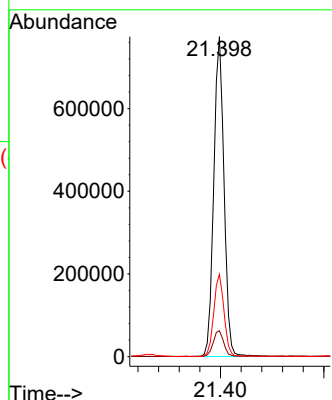
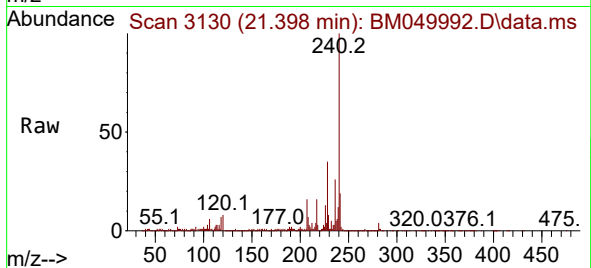
Tgt Ion:240 Resp: 1065982

Ion Ratio Lower Upper

240 100

120 8.1 6.9 10.3

236 25.8 20.4 30.6



#78

Pyrene

Concen: 53.079 ng

RT: 19.580 min Scan# 2821

Delta R.T. -0.006 min

Lab File: BM049992.D

Acq: 22 Apr 2025 12:32

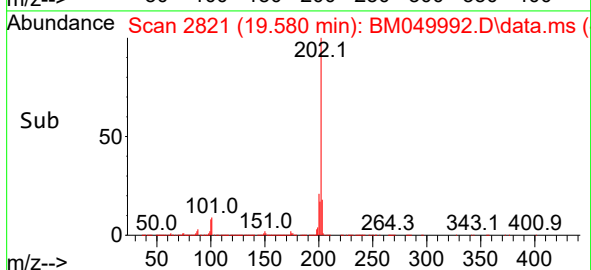
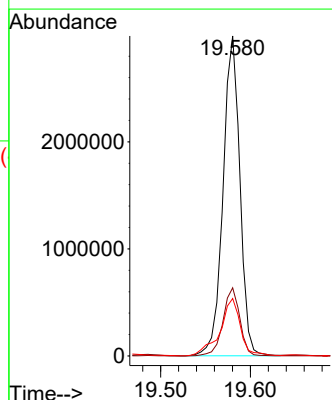
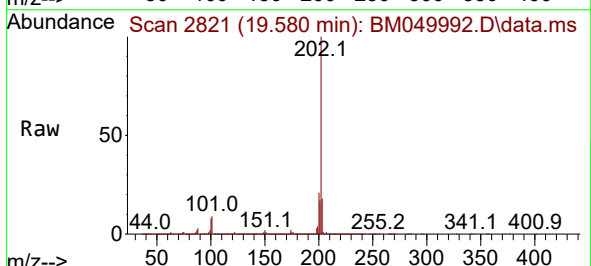
Tgt Ion:202 Resp: 3899470

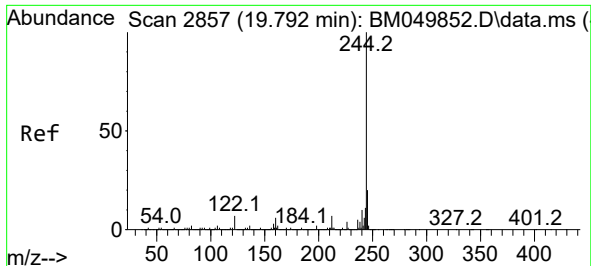
Ion Ratio Lower Upper

202 100

200 21.3 16.5 24.7

203 18.0 14.0 21.0

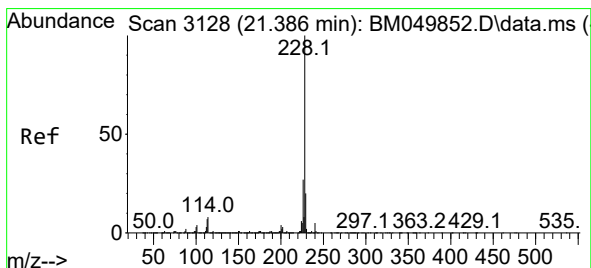
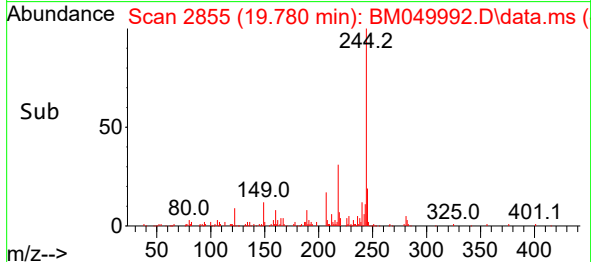
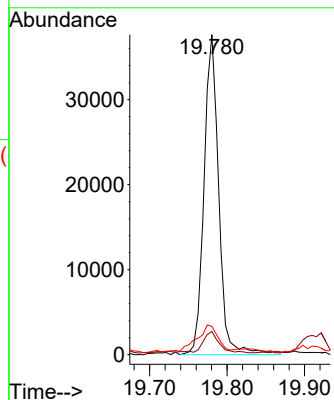
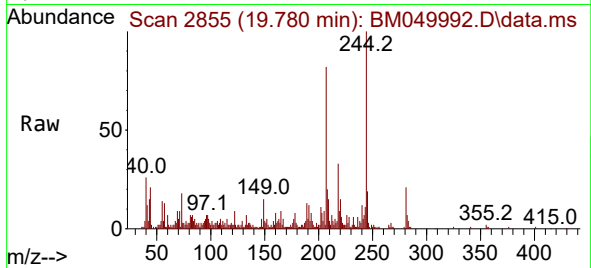




#79
 Terphenyl-d14
 Concen: 0.875 ng
 RT: 19.780 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BM049992.D
 Acq: 22 Apr 2025 12:32

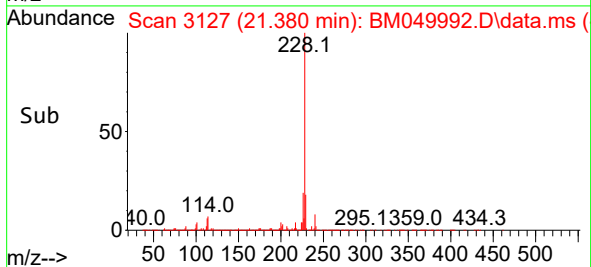
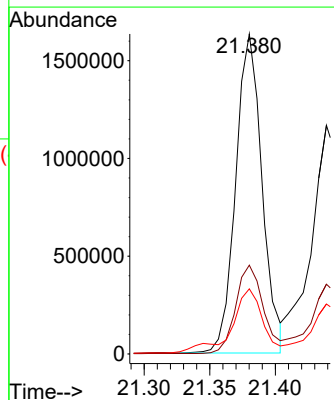
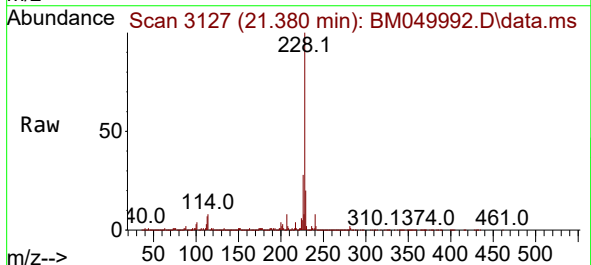
Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-6DL2

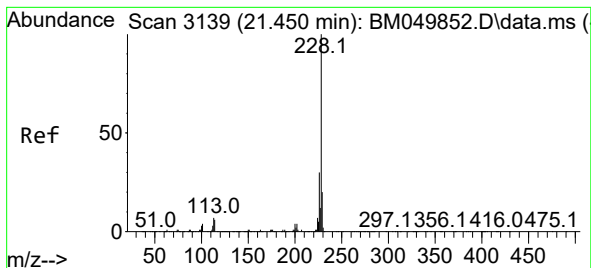
Tgt Ion:244 Resp: 49756
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.5 8.3
 122 8.9 5.4 8.0#



#81
 Benzo(a)anthracene
 Concen: 32.259 ng
 RT: 21.380 min Scan# 3127
 Delta R.T. -0.006 min
 Lab File: BM049992.D
 Acq: 22 Apr 2025 12:32

Tgt Ion:228 Resp: 2285388
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.8 32.8
 229 20.4 15.8 23.8





#83

Chrysene

Concen: 27.969 ng

RT: 21.439 min Scan# 31

Delta R.T. -0.011 min

Lab File: BM049992.D

Acq: 22 Apr 2025 12:32

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-6DL2

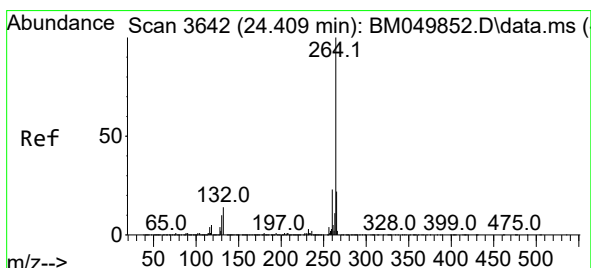
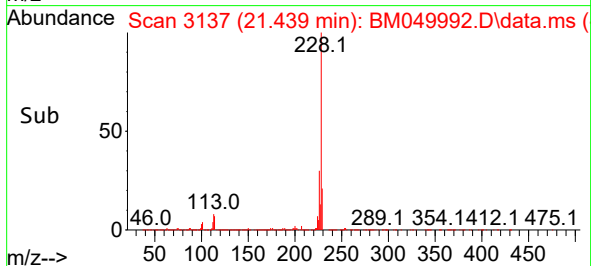
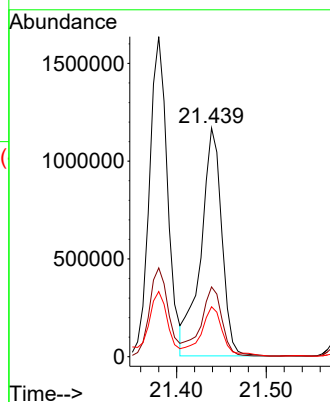
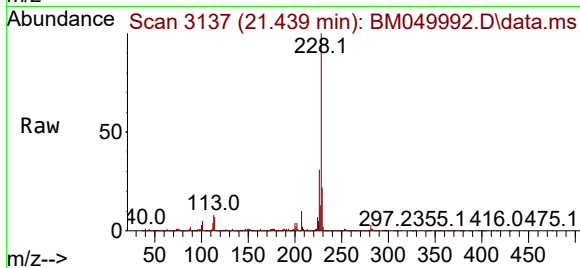
Tgt Ion:228 Resp: 1883766

Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

229 21.8 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.398 min Scan# 3640

Delta R.T. -0.011 min

Lab File: BM049992.D

Acq: 22 Apr 2025 12:32

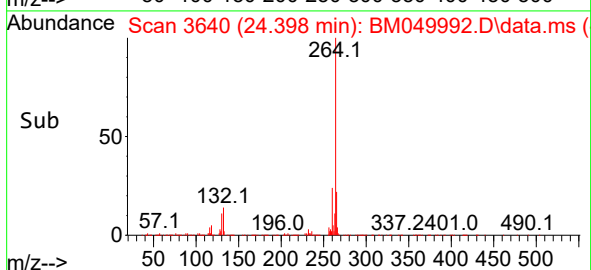
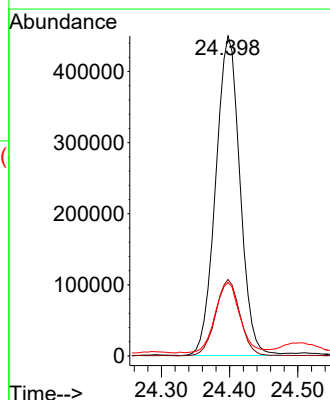
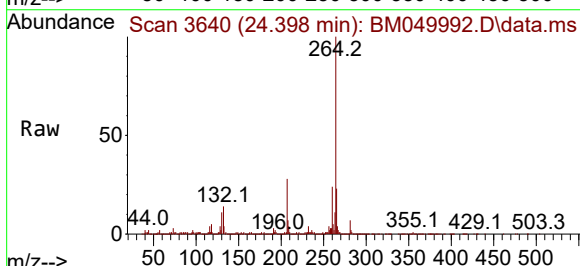
Tgt Ion:264 Resp: 1114824

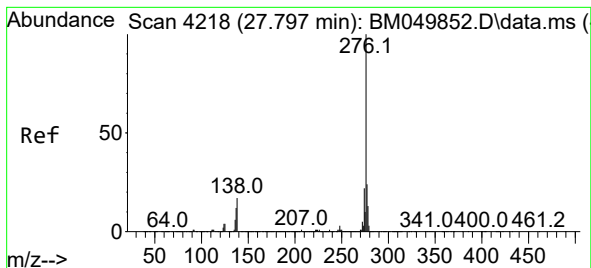
Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

265 22.9 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.983 ng

RT: 27.786 min Scan# 4218

Delta R.T. -0.011 min

Lab File: BM049992.D

Acq: 22 Apr 2025 12:32

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-6DL2

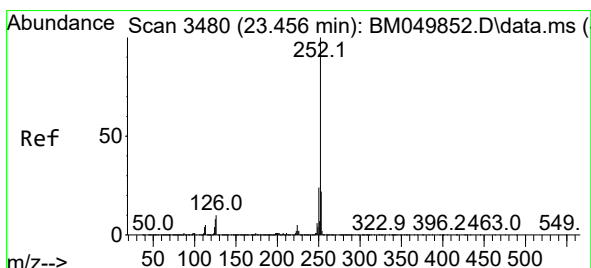
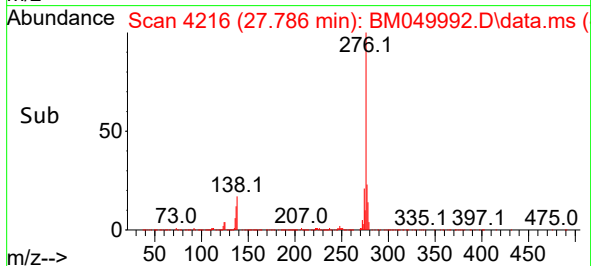
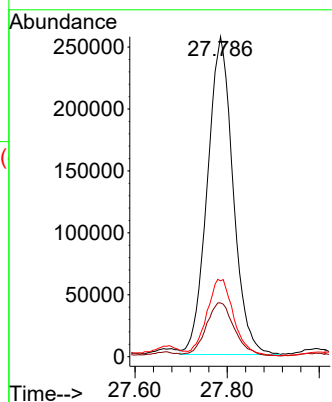
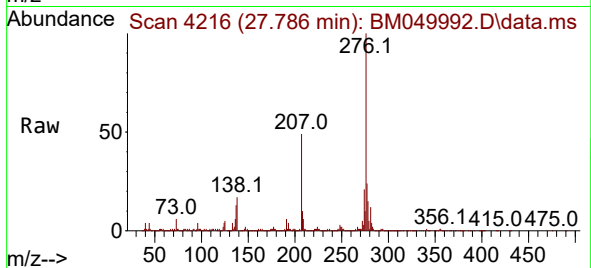
Tgt Ion:276 Resp: 995826

Ion Ratio Lower Upper

276 100

138 18.6 16.8 25.2

277 25.1 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 31.221 ng

RT: 23.456 min Scan# 3480

Delta R.T. 0.000 min

Lab File: BM049992.D

Acq: 22 Apr 2025 12:32

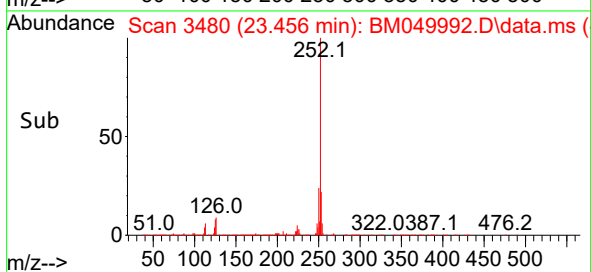
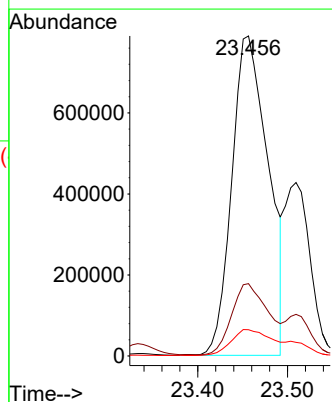
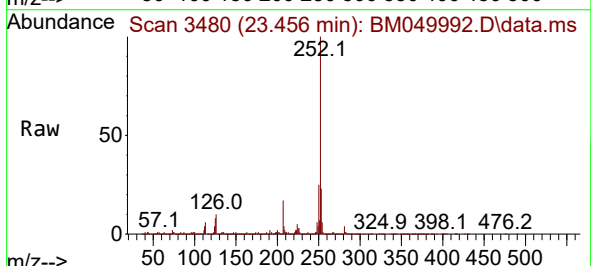
Tgt Ion:252 Resp: 2222913

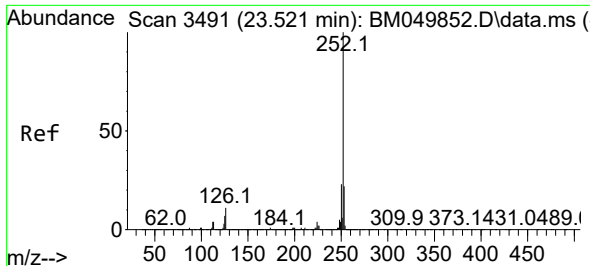
Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 8.2 6.2 9.4

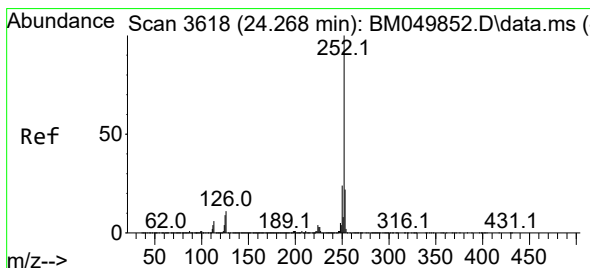
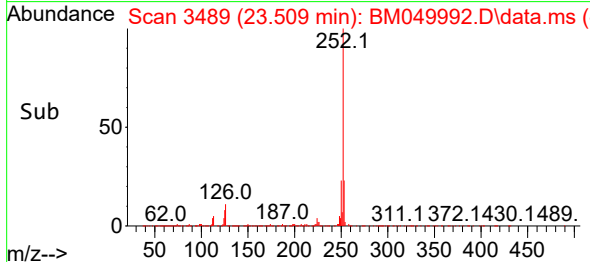
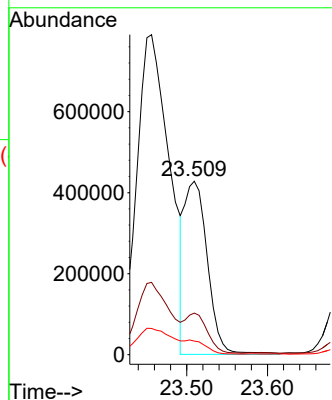
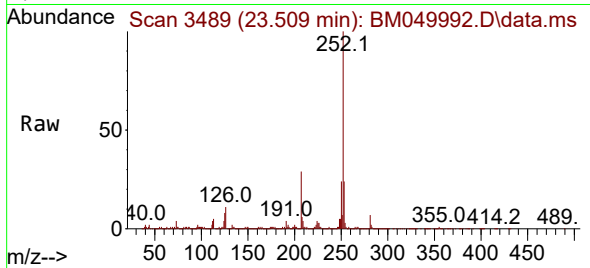




#89
Benzo(k)fluoranthene
Concen: 12.261 ng m
RT: 23.509 min Scan# 3491
Delta R.T. -0.011 min
Lab File: BM049992.D
Acq: 22 Apr 2025 12:32

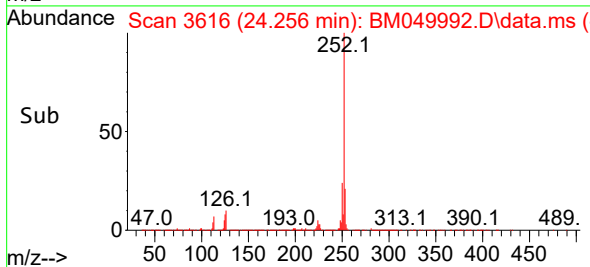
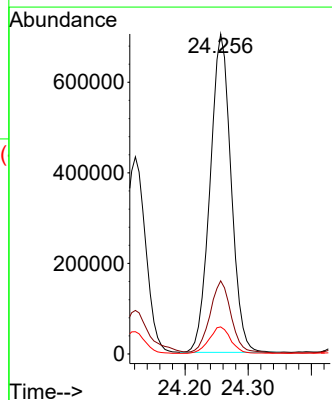
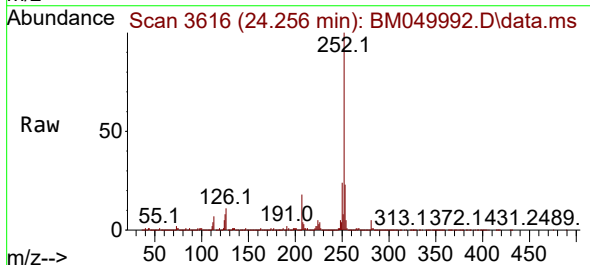
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6DL2

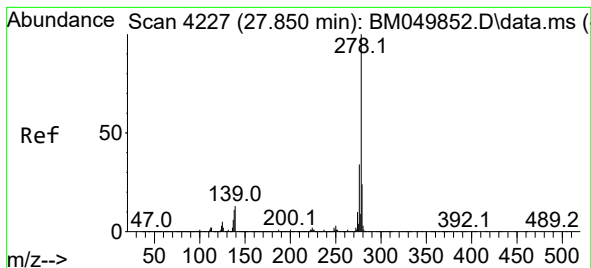
Tgt Ion:252 Resp: 846007
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.2
125 7.8 5.8 8.8



#90
Benzo(a)pyrene
Concen: 25.900 ng
RT: 24.256 min Scan# 3616
Delta R.T. -0.011 min
Lab File: BM049992.D
Acq: 22 Apr 2025 12:32

Tgt Ion:252 Resp: 1620458
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 8.5 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 4.044 ng

RT: 27.815 min Scan# 41

Delta R.T. -0.035 min

Lab File: BM049992.D

Acq: 22 Apr 2025 12:32

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-6DL2

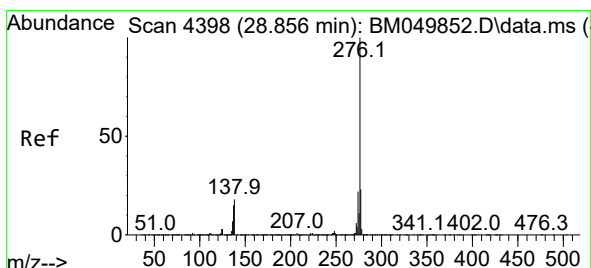
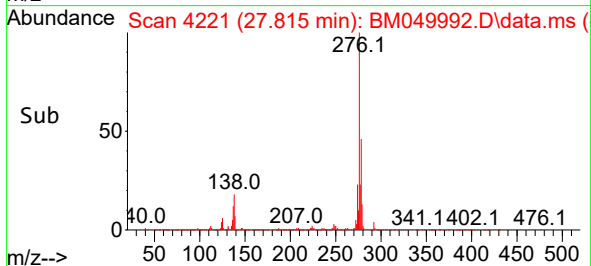
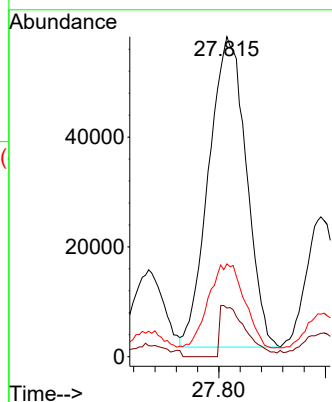
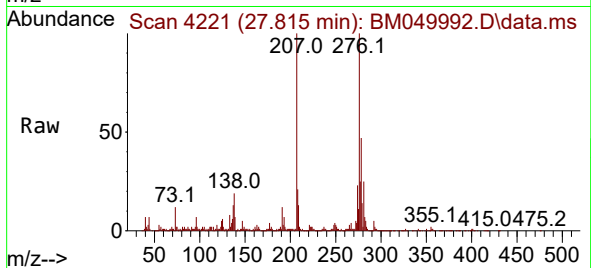
Tgt Ion:278 Resp: 276793

Ion Ratio Lower Upper

278 100

139 15.2 10.6 15.8

279 29.0 19.1 28.7#



#92

Benzo(g,h,i)perylene

Concen: 12.818 ng

RT: 28.838 min Scan# 4395

Delta R.T. -0.017 min

Lab File: BM049992.D

Acq: 22 Apr 2025 12:32

Tgt Ion:276 Resp: 896591

Ion Ratio Lower Upper

276 100

277 23.9 18.7 28.1

138 18.8 14.6 21.8

