

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041425\
 Data File : BM049922.D
 Acq On : 14 Apr 2025 20:25
 Operator : RC/JU
 Sample : Q1781-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-13

Quant Time: Apr 15 01:04:23 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)

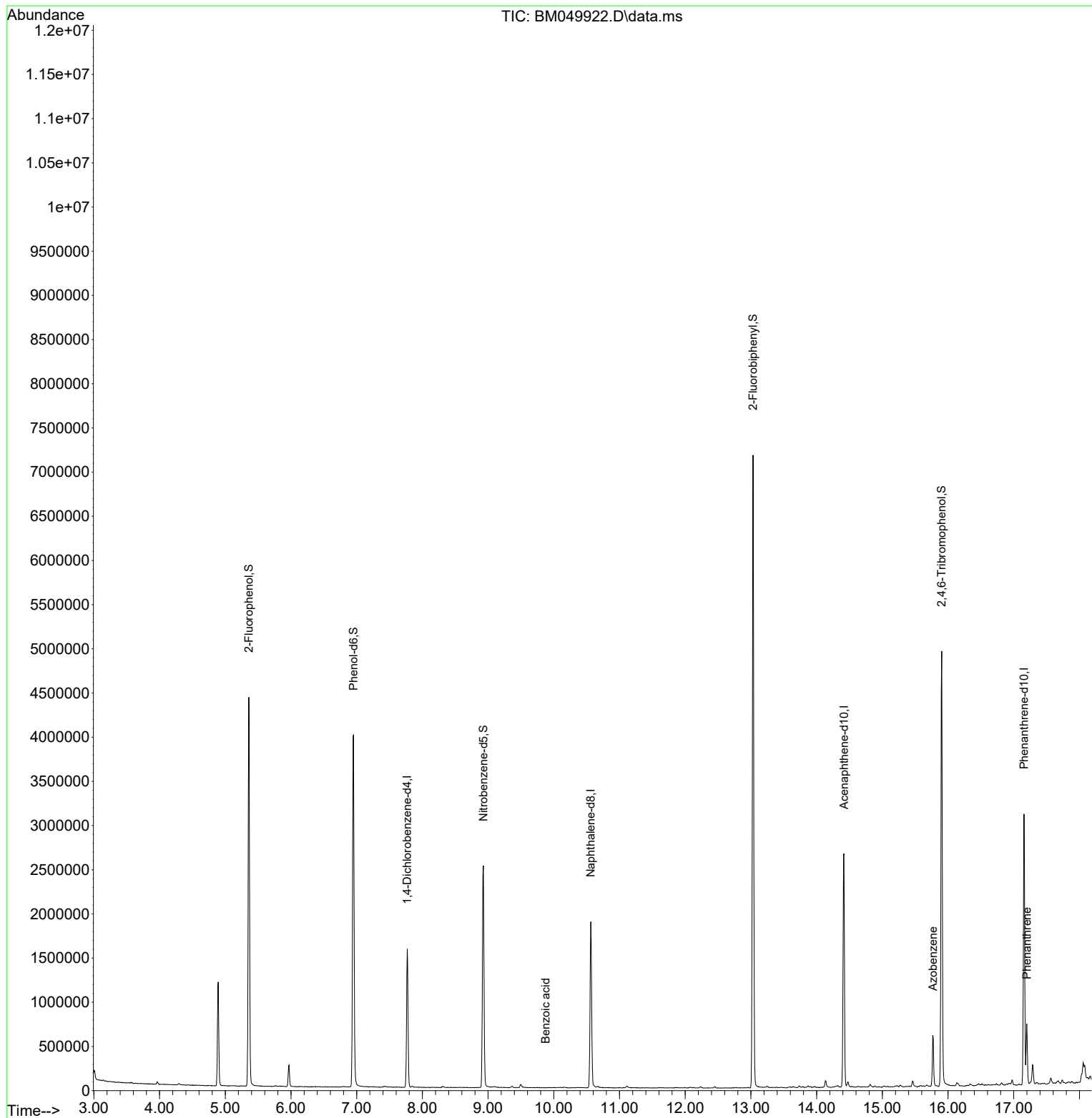
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	454202	20.000	ng	-0.01
21) Naphthalene-d8	10.563	136	1580910	20.000	ng	-0.01
39) Acenaphthene-d10	14.415	164	985779	20.000	ng	0.00
64) Phenanthrene-d10	17.156	188	1809944	20.000	ng	0.00
76) Chrysene-d12	21.391	240	1496999	20.000	ng	-0.01
86) Perylene-d12	24.391	264	1624914	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1980839	74.055	ng	0.00
7) Phenol-d6	6.951	99	2468210	74.166	ng	0.00
23) Nitrobenzene-d5	8.928	82	1470835	51.808	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1011752	70.562	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	3773757	51.911	ng	-0.01
79) Terphenyl-d14	19.780	244	4551016	56.973	ng	-0.01
Target Compounds						
						Qvalue
32) Benzoic acid	9.875	122	95	8.542	ng	# 38
63) Azobenzene	15.768	77	151137	2.647	ng	# 1
71) Phenanthrene	17.198	178	419059	4.223	ng	100
75) Fluoranthene	19.215	202	896164	7.345	ng	99
78) Pyrene	19.574	202	855253	8.290	ng	100
81) Benzo(a)anthracene	21.374	228	407521	4.096	ng	99
83) Chrysene	21.433	228	387585	4.098	ng	97
87) Indeno(1,2,3-cd)pyrene	27.762	276	375800	3.103	ng	98
88) Benzo(b)fluoranthene	23.444	252	584606	5.633	ng	99
89) Benzo(k)fluoranthene	23.444	252	584606	5.813	ng	# 98
90) Benzo(a)pyrene	24.244	252	445014	4.880	ng	# 98
92) Benzo(g,h,i)perylene	28.820	276	414119	4.062	ng	97

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

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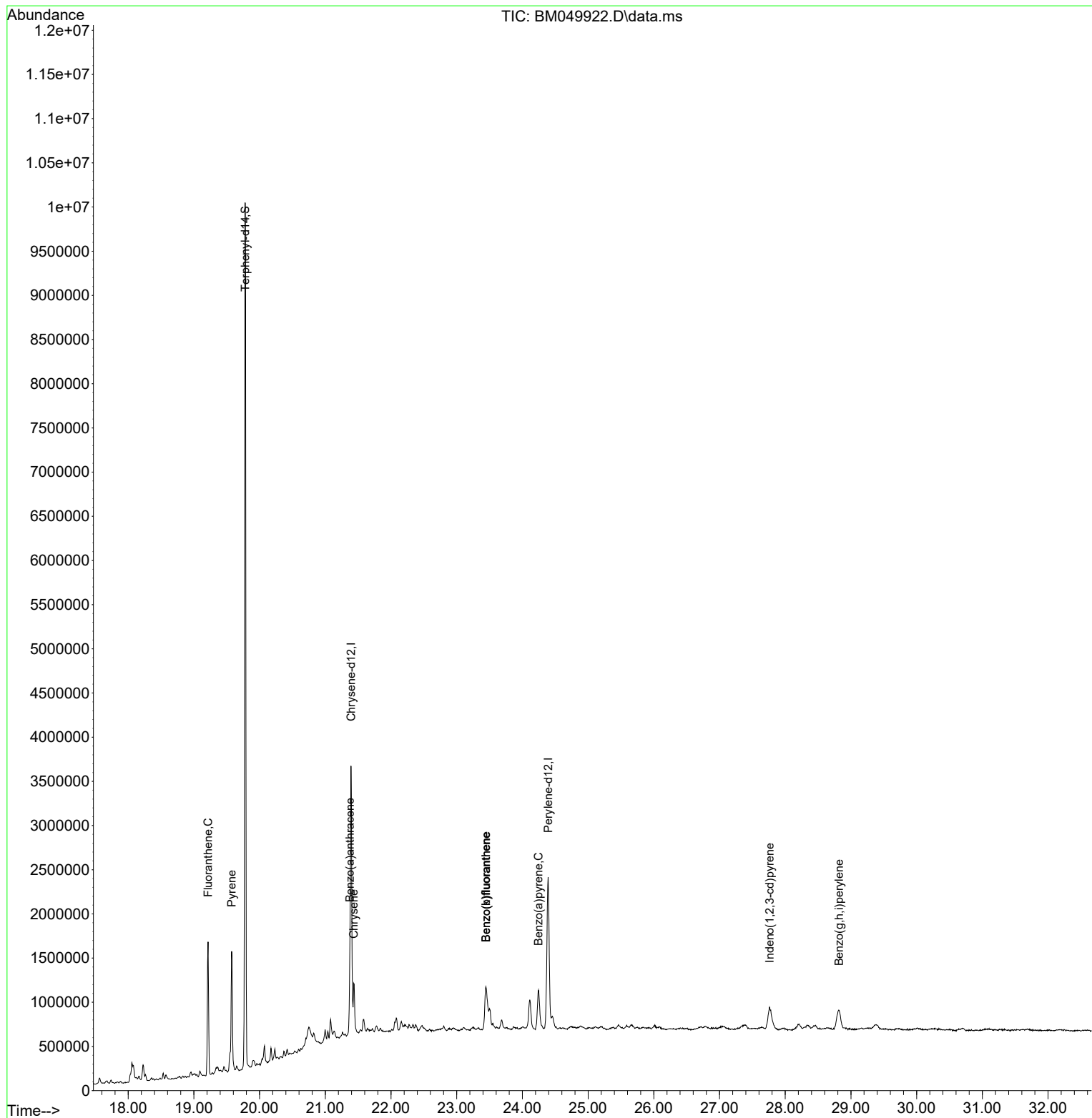
Quant Time: Apr 15 01:04:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
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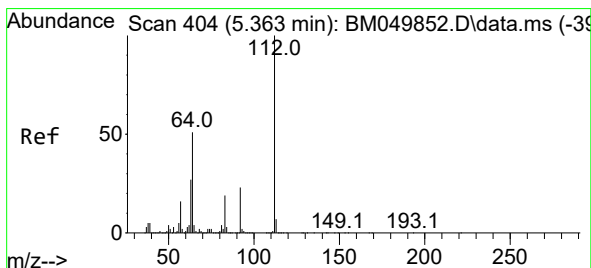
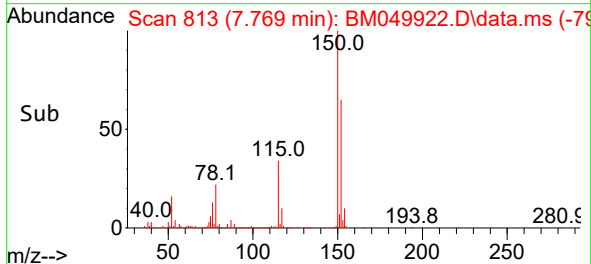
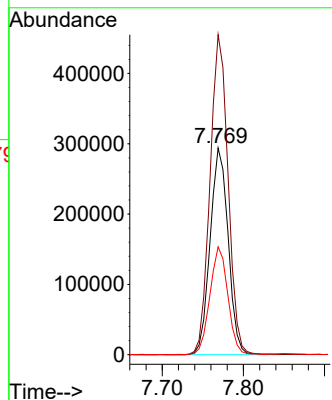
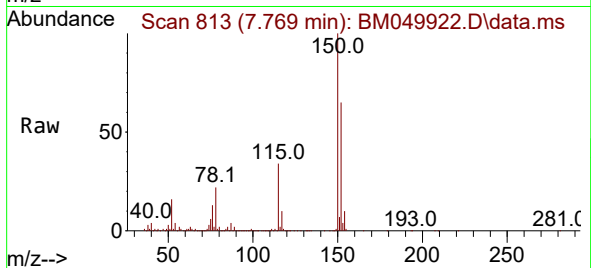




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049922.D
Acq: 14 Apr 2025 20:25

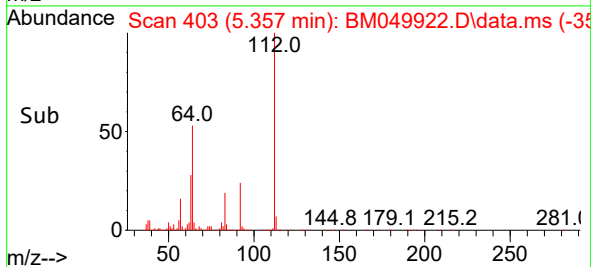
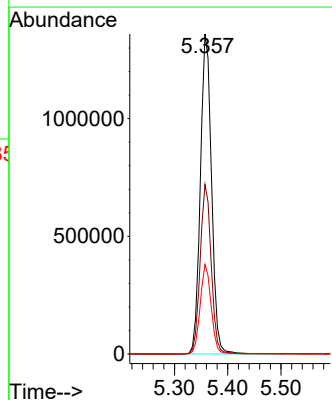
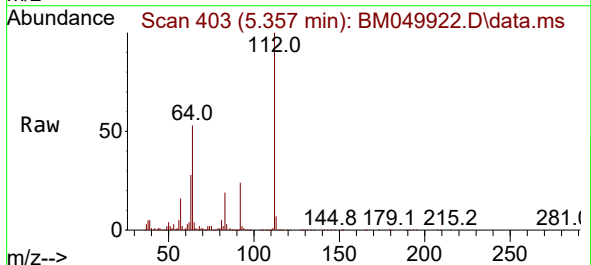
Instrument :
BNA_M
ClientSampleId :
WC-13

Tgt Ion:152 Resp: 454202
Ion Ratio Lower Upper
152 100
150 154.8 124.3 186.5
115 52.2 41.1 61.7



#5
2-Fluorophenol
Concen: 74.055 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049922.D
Acq: 14 Apr 2025 20:25

Tgt Ion:112 Resp: 1980839
Ion Ratio Lower Upper
112 100
64 52.9 41.0 61.6
63 27.9 21.5 32.3

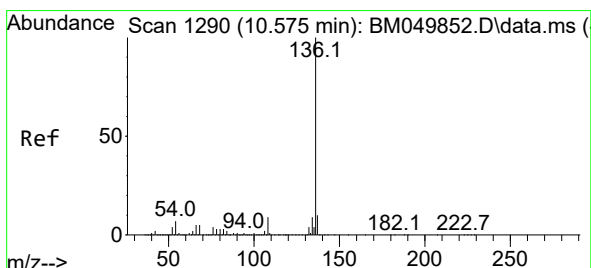
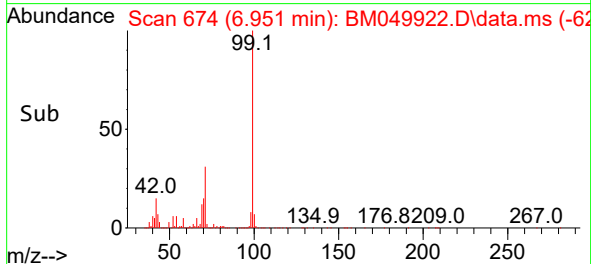
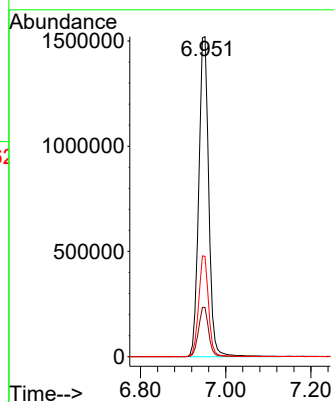
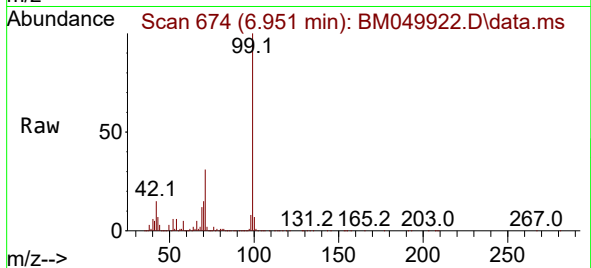




#7
Phenol-d6
Concen: 74.166 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049922.D
Acq: 14 Apr 2025 20:25

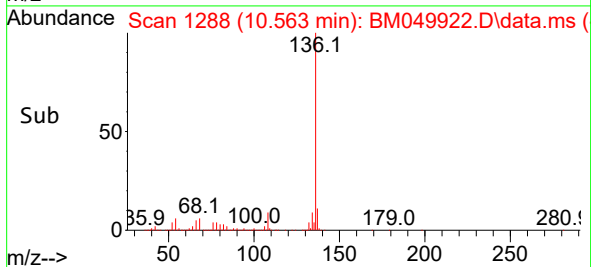
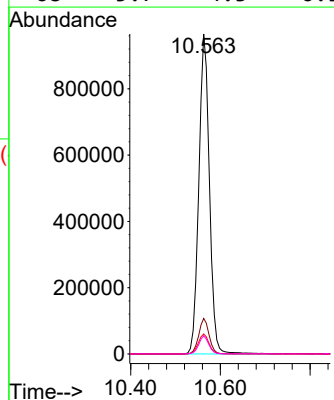
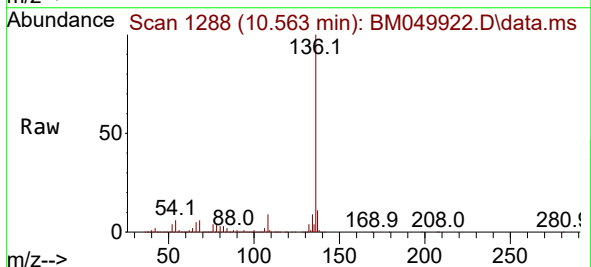
Instrument :
BNA_M
ClientSampleId :
WC-13

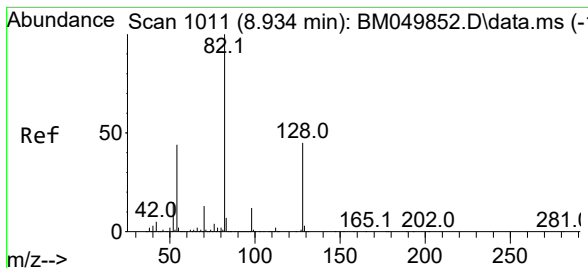
Tgt Ion: 99 Resp: 2468210
Ion Ratio Lower Upper
99 100
42 15.4 12.1 18.1
71 31.4 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BM049922.D
Acq: 14 Apr 2025 20:25

Tgt Ion: 136 Resp: 1580910
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 6.2 5.3 7.9
68 5.7 4.3 6.5

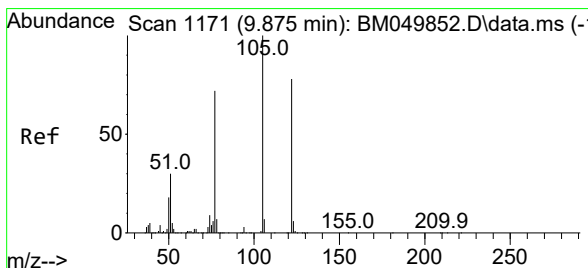
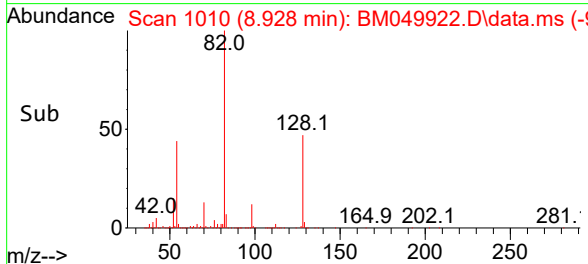
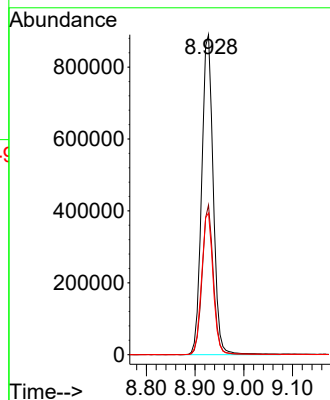
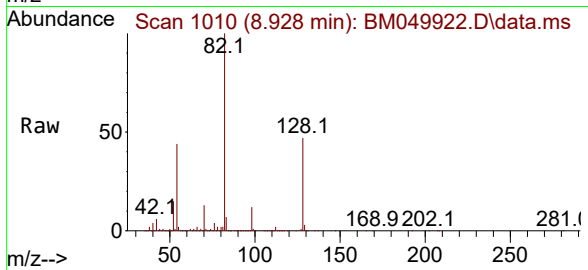




#23
Nitrobenzene-d5
Concen: 51.808 ng
RT: 8.928 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BM049922.D
Acq: 14 Apr 2025 20:25

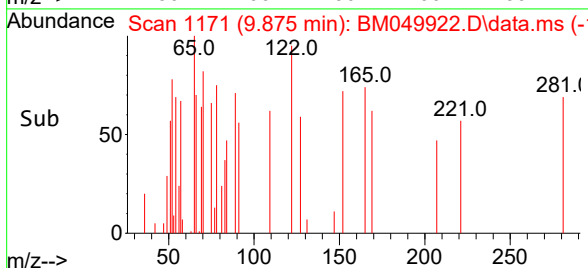
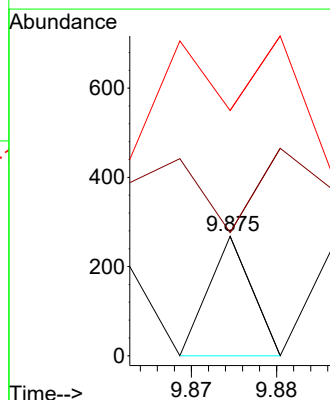
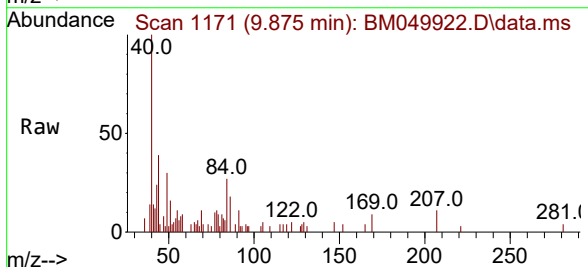
Instrument :
BNA_M
ClientSampleId :
WC-13

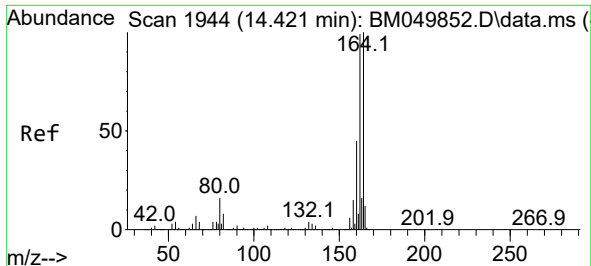
Tgt Ion: 82 Resp: 1470835
Ion Ratio Lower Upper
82 100
128 46.8 36.2 54.2
54 44.2 35.0 52.6



#32
Benzoic acid
Concen: 8.542 ng
RT: 9.875 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BM049922.D
Acq: 14 Apr 2025 20:25

Tgt Ion:122 Resp: 95
Ion Ratio Lower Upper
122 100
105 103.0 103.8 143.8#
77 205.2 70.7 110.7#

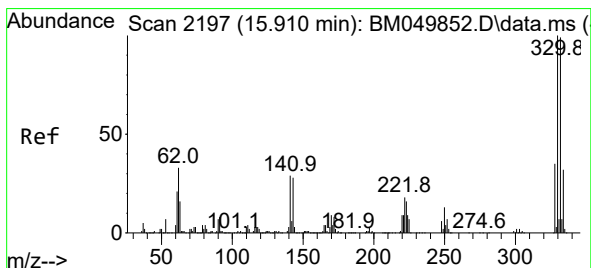
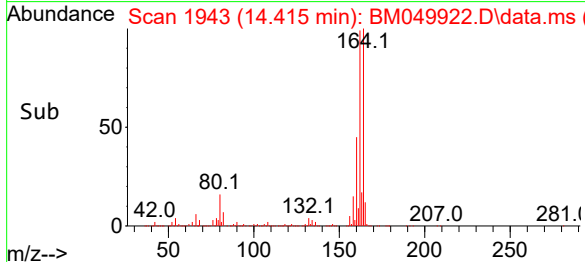
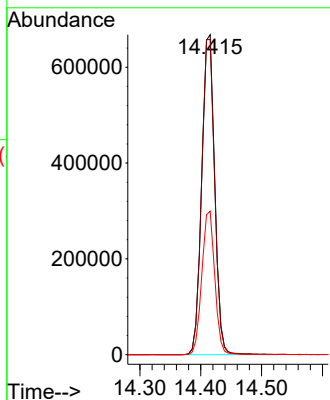
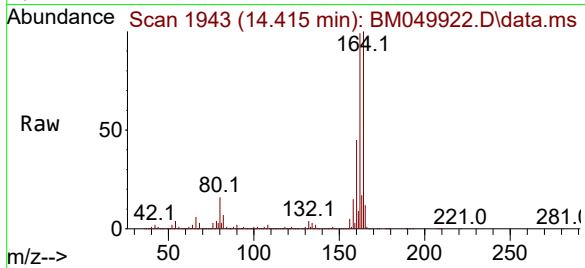




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.415 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049922.D
Acq: 14 Apr 2025 20:25

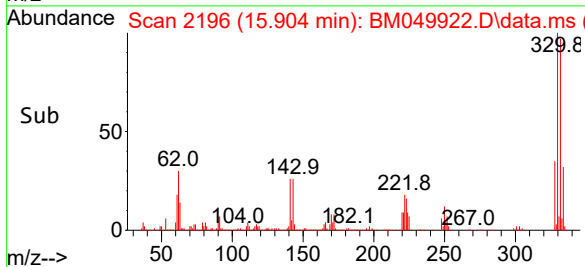
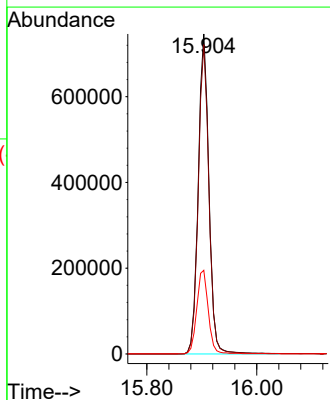
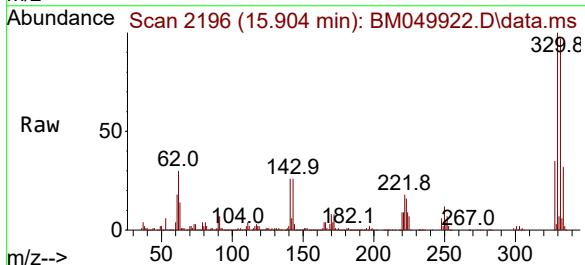
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ClientSampleId :
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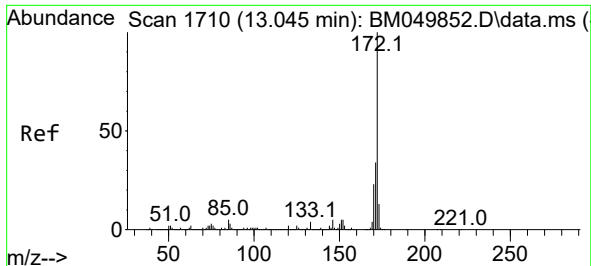
Tgt Ion:164 Resp: 985779
Ion Ratio Lower Upper
164 100
162 98.5 79.4 119.0
160 44.9 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 70.562 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM049922.D
Acq: 14 Apr 2025 20:25

Tgt Ion:330 Resp: 1011752
Ion Ratio Lower Upper
330 100
332 96.6 78.0 117.0
141 28.1 23.5 35.3

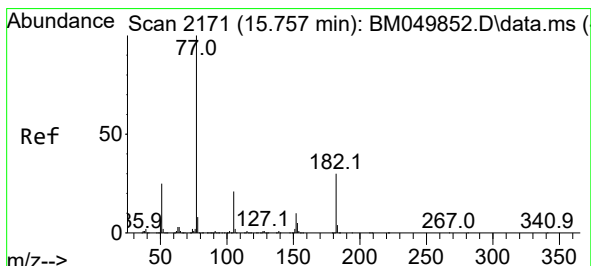
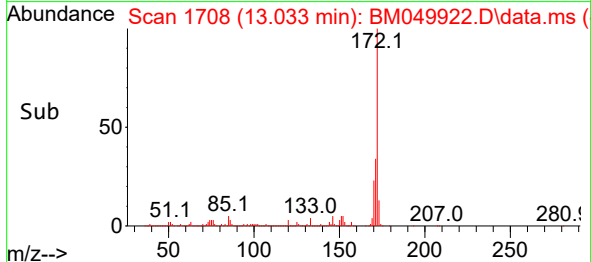
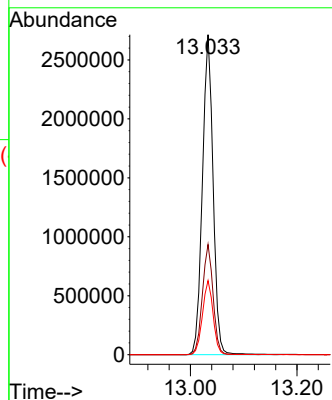
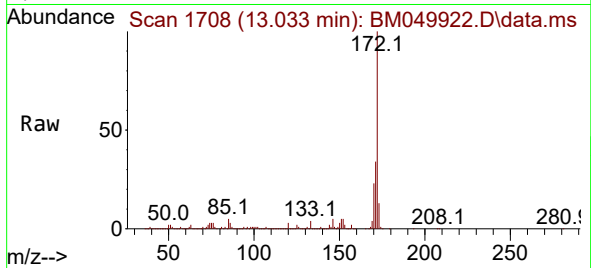




#45
2-Fluorobiphenyl
Concen: 51.911 ng
RT: 13.033 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM049922.D
Acq: 14 Apr 2025 20:25

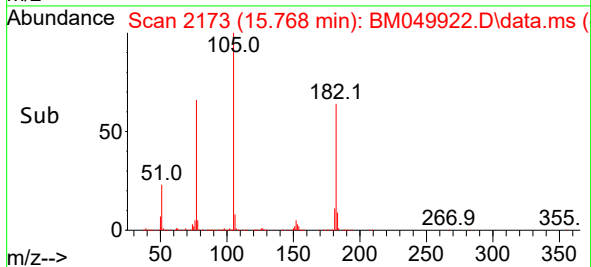
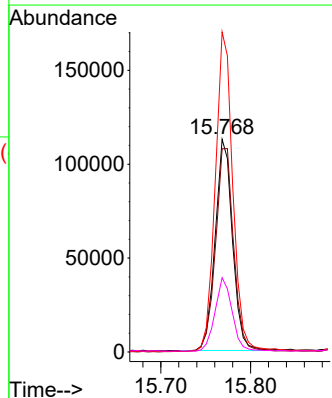
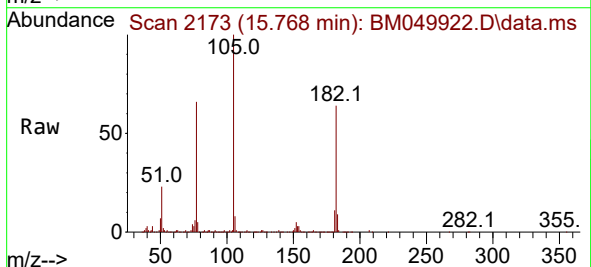
Instrument :
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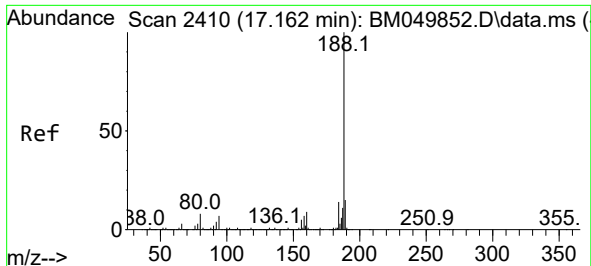
Tgt Ion:172 Resp: 3773757
Ion Ratio Lower Upper
172 100
171 34.4 27.4 41.2
170 23.1 18.6 28.0



#63
Azobenzene
Concen: 2.647 ng
RT: 15.768 min Scan# 2173
Delta R.T. 0.012 min
Lab File: BM049922.D
Acq: 14 Apr 2025 20:25

Tgt Ion: 77 Resp: 151137
Ion Ratio Lower Upper
77 100
182 95.6 10.4 50.4#
105 150.5 1.5 41.5#
51 34.9 5.3 45.3

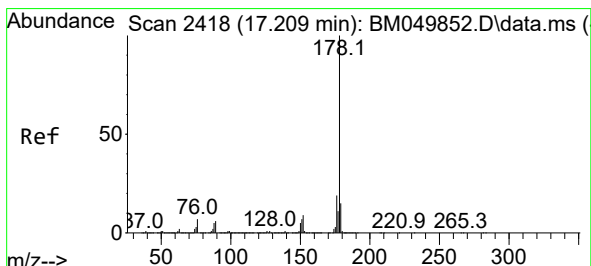
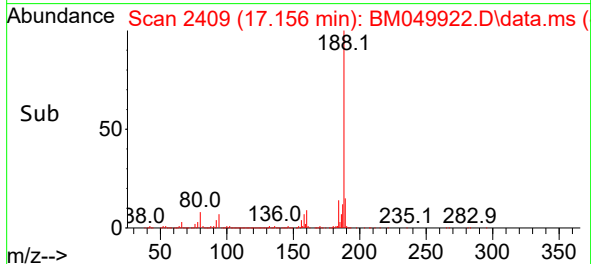
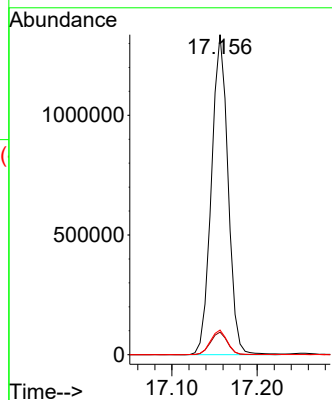
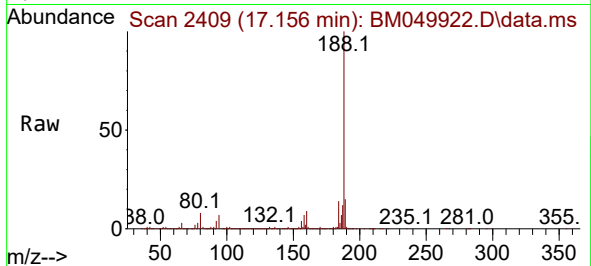




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BM049922.D
Acq: 14 Apr 2025 20:25

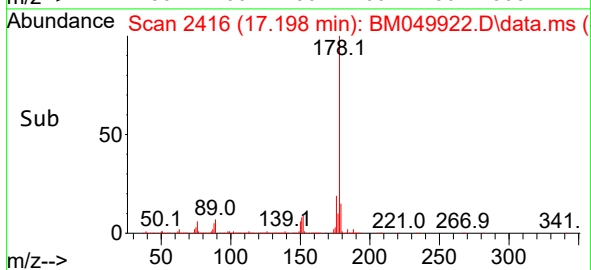
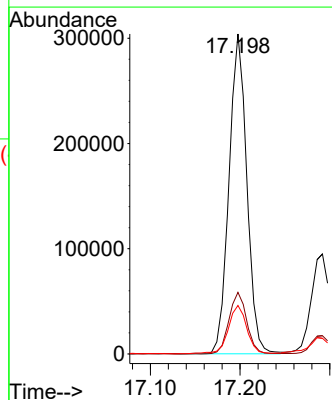
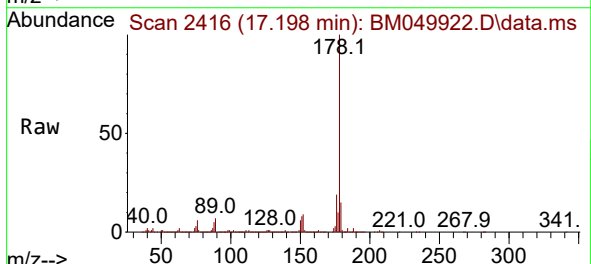
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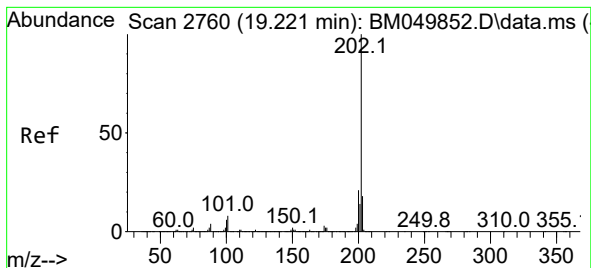
Tgt Ion:188 Resp: 1809944
Ion Ratio Lower Upper
188 100
94 7.1 5.8 8.6
80 7.7 6.4 9.6



#71
Phenanthrene
Concen: 4.223 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.012 min
Lab File: BM049922.D
Acq: 14 Apr 2025 20:25

Tgt Ion:178 Resp: 419059
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.2 12.3 18.5





#75

Fluoranthene

Concen: 7.345 ng

RT: 19.215 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049922.D

Acq: 14 Apr 2025 20:25

Instrument :

BNA_M

ClientSampleId :

WC-13

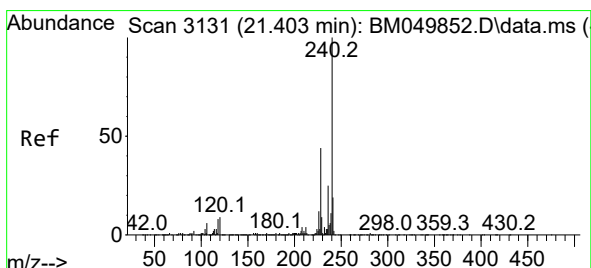
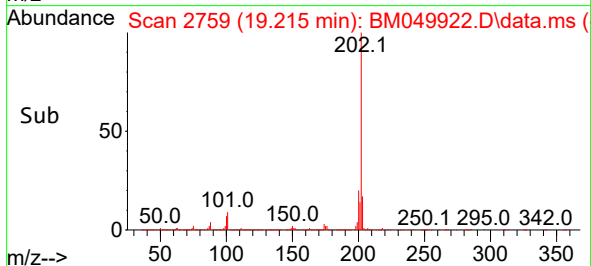
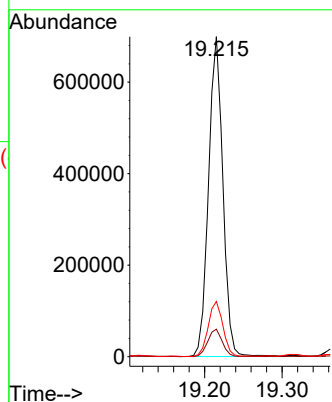
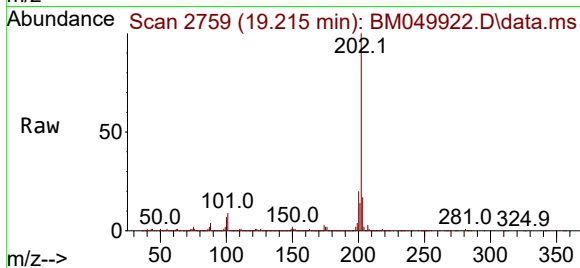
Tgt Ion:202 Resp: 896164

Ion Ratio Lower Upper

202 100

101 8.6 0.0 28.4

203 17.2 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.391 min Scan# 3129

Delta R.T. -0.012 min

Lab File: BM049922.D

Acq: 14 Apr 2025 20:25

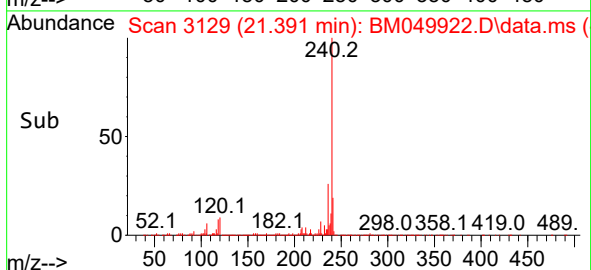
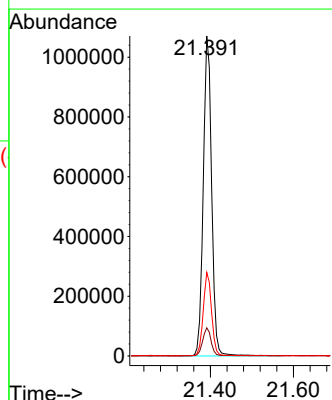
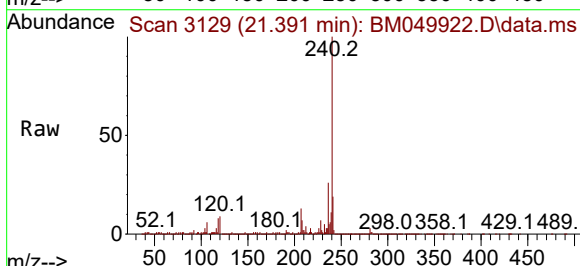
Tgt Ion:240 Resp: 1496999

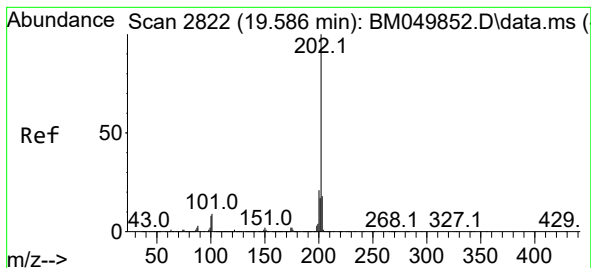
Ion Ratio Lower Upper

240 100

120 8.8 6.9 10.3

236 26.1 20.4 30.6





#78

Pyrene

Concen: 8.290 ng

RT: 19.574 min Scan# 2822

Delta R.T. -0.012 min

Lab File: BM049922.D

Acq: 14 Apr 2025 20:25

Instrument :

BNA_M

ClientSampleId :

WC-13

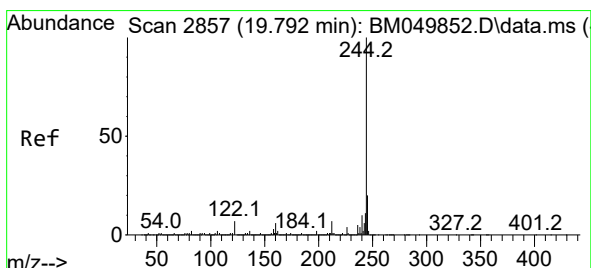
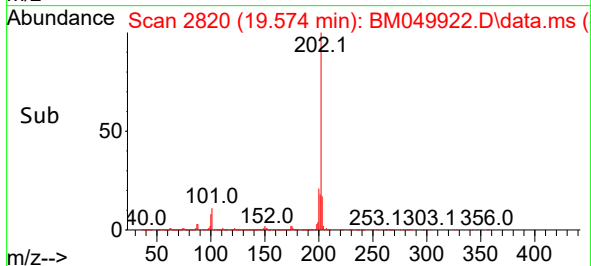
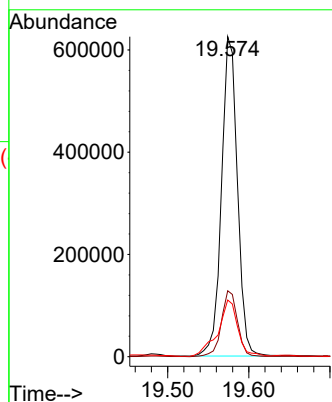
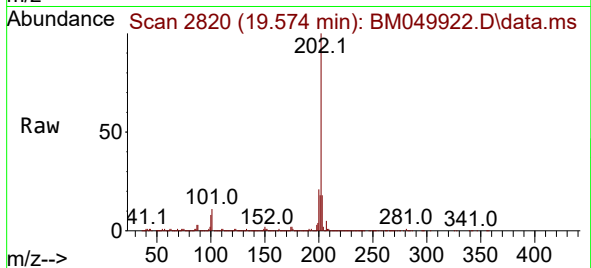
Tgt Ion:202 Resp: 855253

Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

203 17.7 14.0 21.0



#79

Terphenyl-d14

Concen: 56.973 ng

RT: 19.780 min Scan# 2855

Delta R.T. -0.012 min

Lab File: BM049922.D

Acq: 14 Apr 2025 20:25

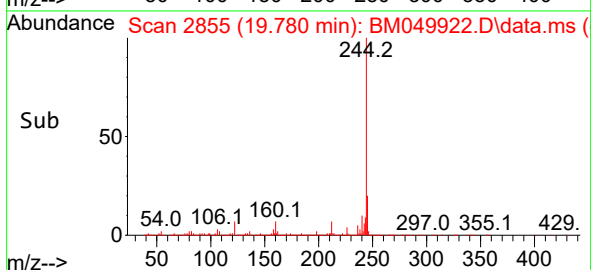
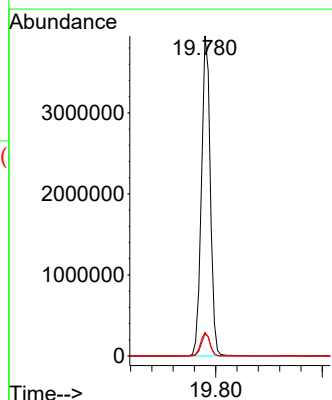
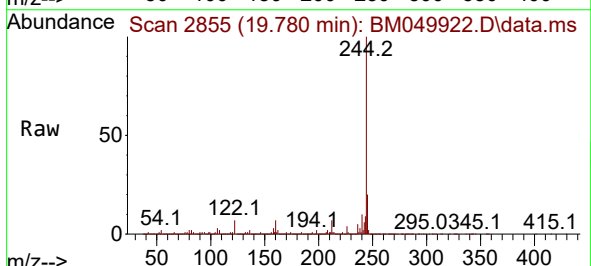
Tgt Ion:244 Resp: 4551016

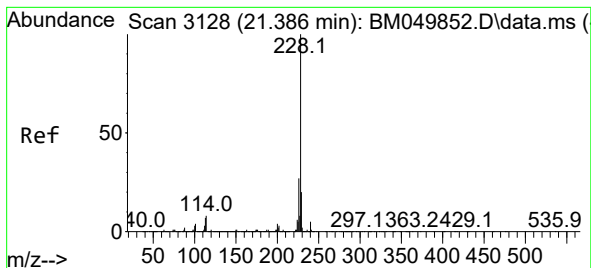
Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 7.4 5.4 8.0





#81

Benzo(a)anthracene

Concen: 4.096 ng

RT: 21.374 min Scan# 3126

Delta R.T. -0.012 min

Lab File: BM049922.D

Acq: 14 Apr 2025 20:25

Instrument :

BNA_M

ClientSampleId :

WC-13

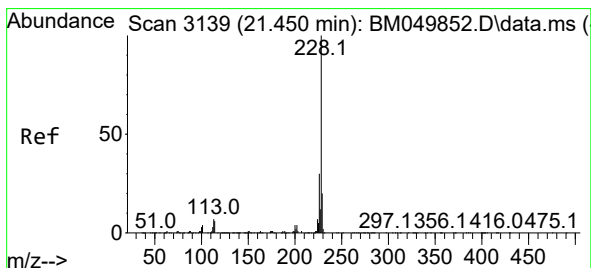
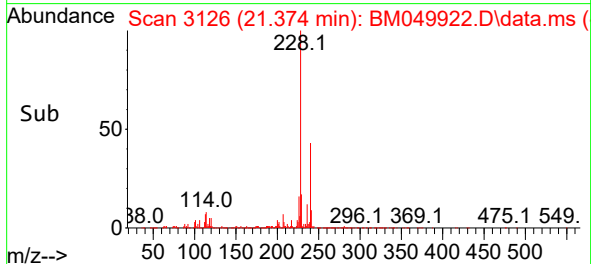
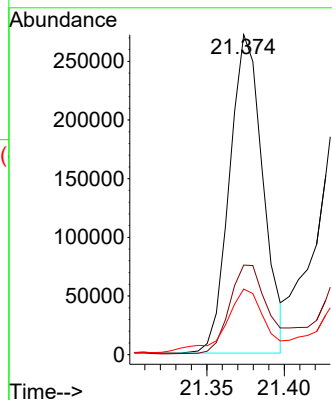
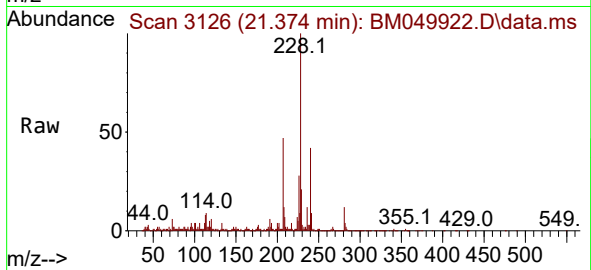
Tgt Ion:228 Resp: 407521

Ion Ratio Lower Upper

228 100

226 28.0 21.8 32.8

229 20.5 15.8 23.8



#83

Chrysene

Concen: 4.098 ng

RT: 21.433 min Scan# 3136

Delta R.T. -0.018 min

Lab File: BM049922.D

Acq: 14 Apr 2025 20:25

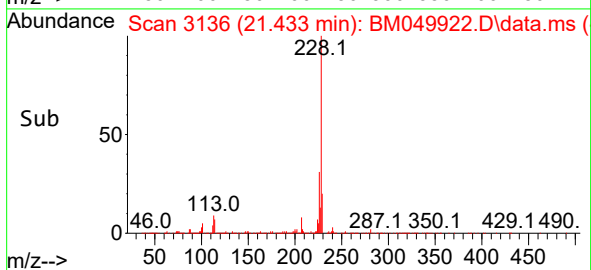
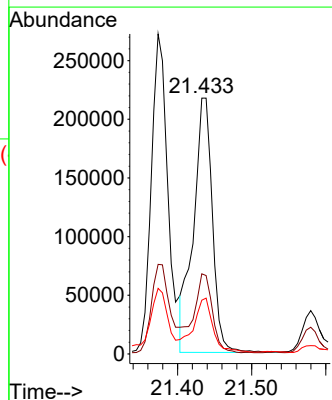
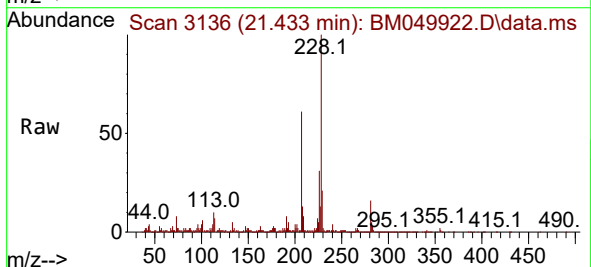
Tgt Ion:228 Resp: 387585

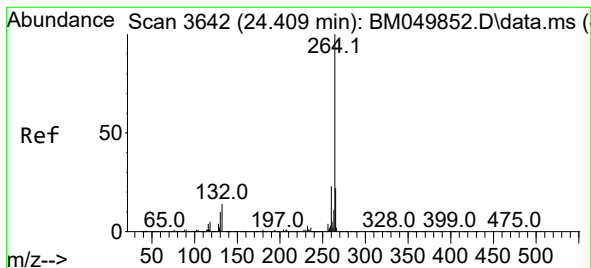
Ion Ratio Lower Upper

228 100

226 31.3 24.1 36.1

229 21.0 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: BM049922.D

Acq: 14 Apr 2025 20:25

Instrument :

BNA_M

ClientSampleId :

WC-13

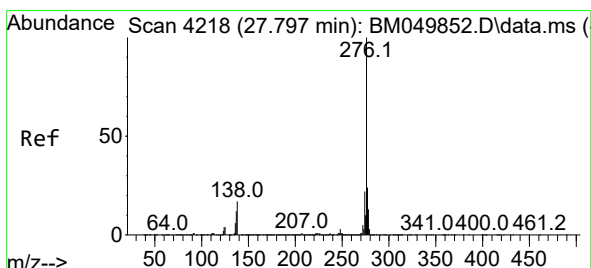
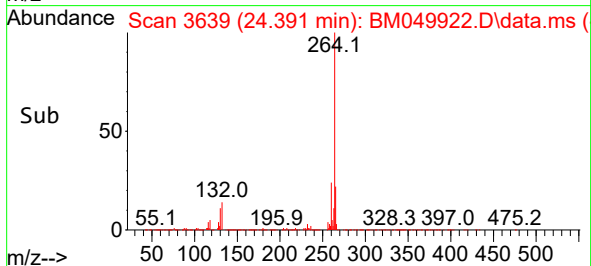
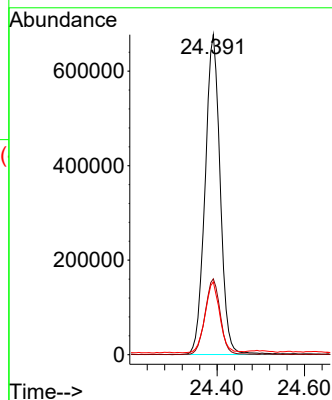
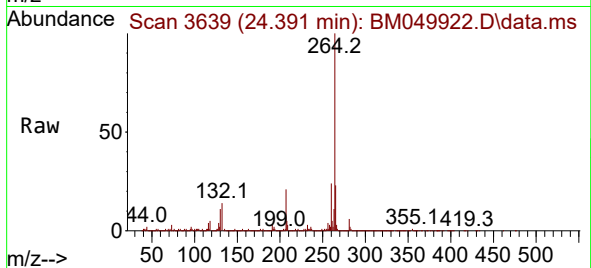
Tgt Ion:264 Resp: 1624914

Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 22.8 17.8 26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.103 ng

RT: 27.762 min Scan# 4212

Delta R.T. -0.035 min

Lab File: BM049922.D

Acq: 14 Apr 2025 20:25

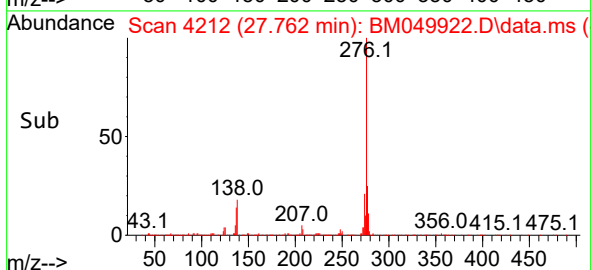
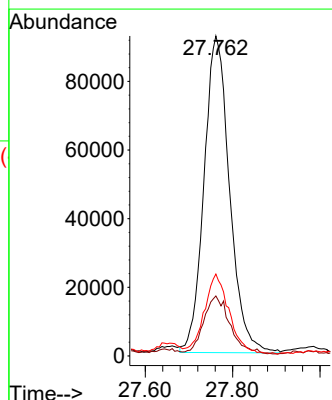
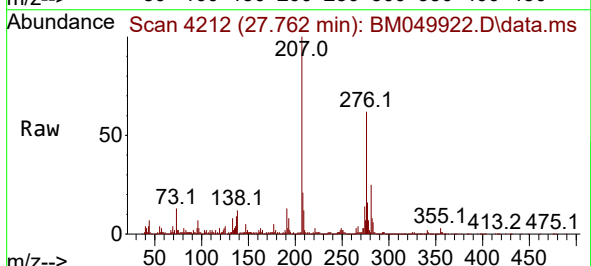
Tgt Ion:276 Resp: 375800

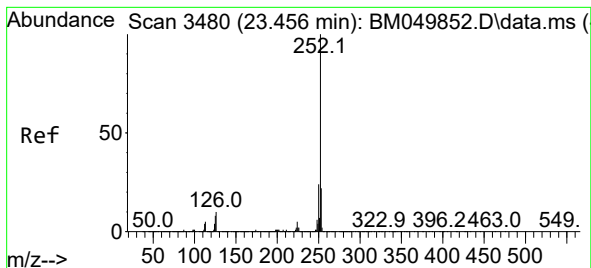
Ion Ratio Lower Upper

276 100

138 18.8 16.8 25.2

277 24.8 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 5.633 ng

RT: 23.444 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM049922.D

Acq: 14 Apr 2025 20:25

Instrument :

BNA_M

ClientSampleId :

WC-13

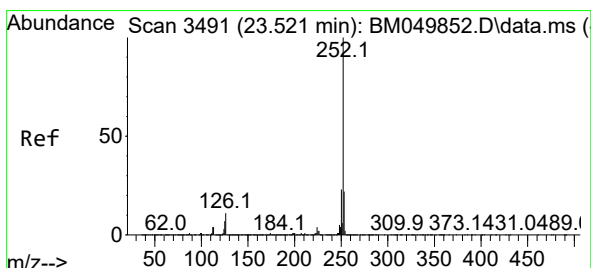
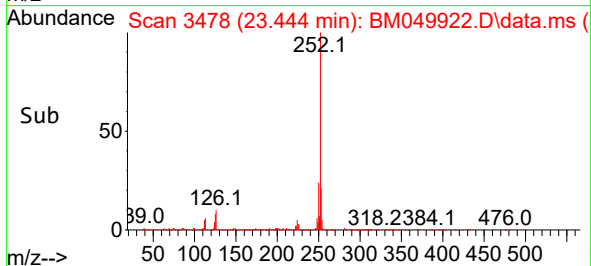
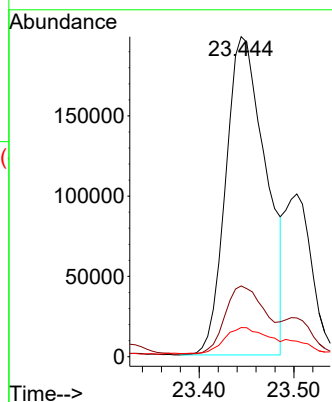
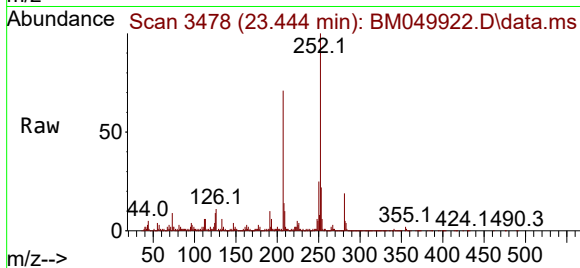
Tgt Ion:252 Resp: 584606

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 9.1 6.2 9.4



#89

Benzo(k)fluoranthene

Concen: 5.813 ng

RT: 23.444 min Scan# 3478

Delta R.T. -0.077 min

Lab File: BM049922.D

Acq: 14 Apr 2025 20:25

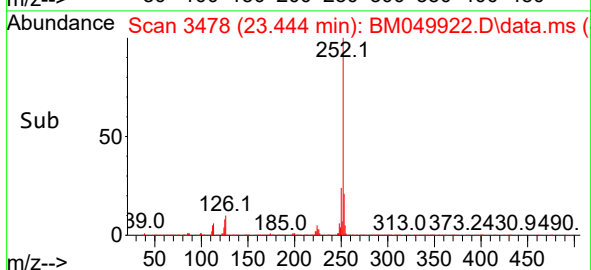
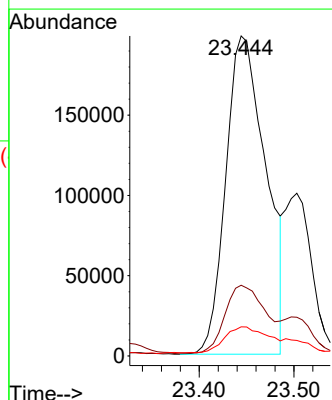
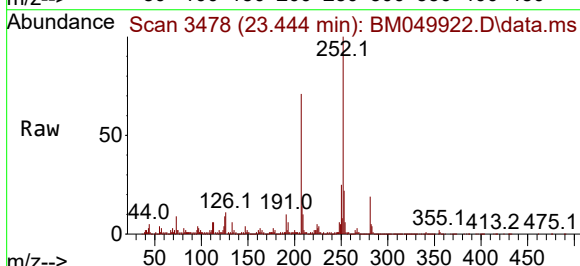
Tgt Ion:252 Resp: 584606

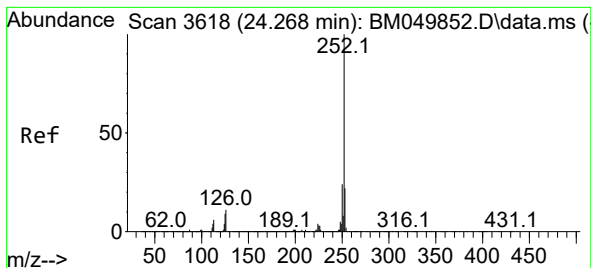
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 9.1 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 4.880 ng

RT: 24.244 min Scan# 3

Delta R.T. -0.024 min

Lab File: BM049922.D

Acq: 14 Apr 2025 20:25

Instrument :

BNA_M

ClientSampleId :

WC-13

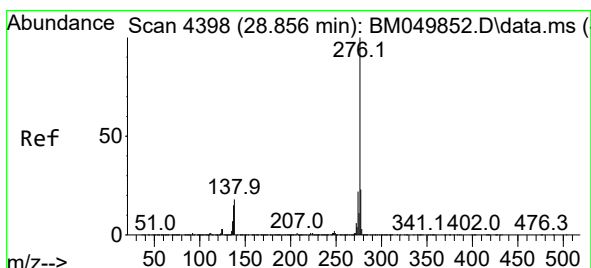
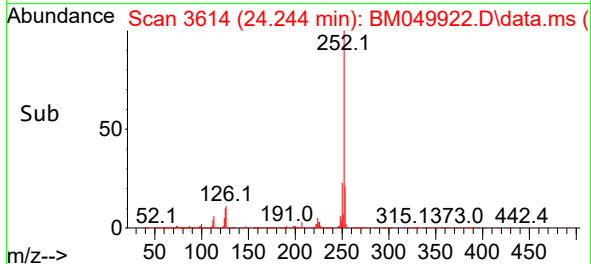
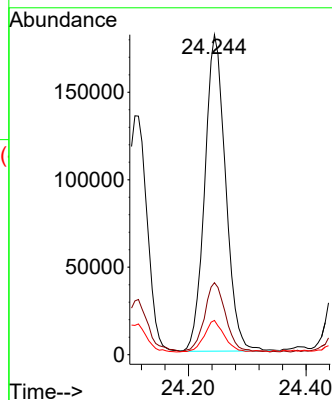
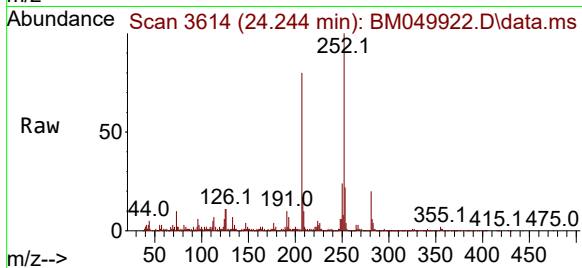
Tgt Ion:252 Resp: 445014

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

125 10.7 7.0 10.4#



#92

Benzo(g,h,i)perylene

Concen: 4.062 ng

RT: 28.820 min Scan# 4392

Delta R.T. -0.035 min

Lab File: BM049922.D

Acq: 14 Apr 2025 20:25

Tgt Ion:276 Resp: 414119

Ion Ratio Lower Upper

276 100

277 24.8 18.7 28.1

138 19.5 14.6 21.8

