

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
 Data File : BM049888.D
 Acq On : 10 Apr 2025 17:25
 Operator : RC/JU
 Sample : Q1754-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-1

Quant Time: Apr 10 18:14:47 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)

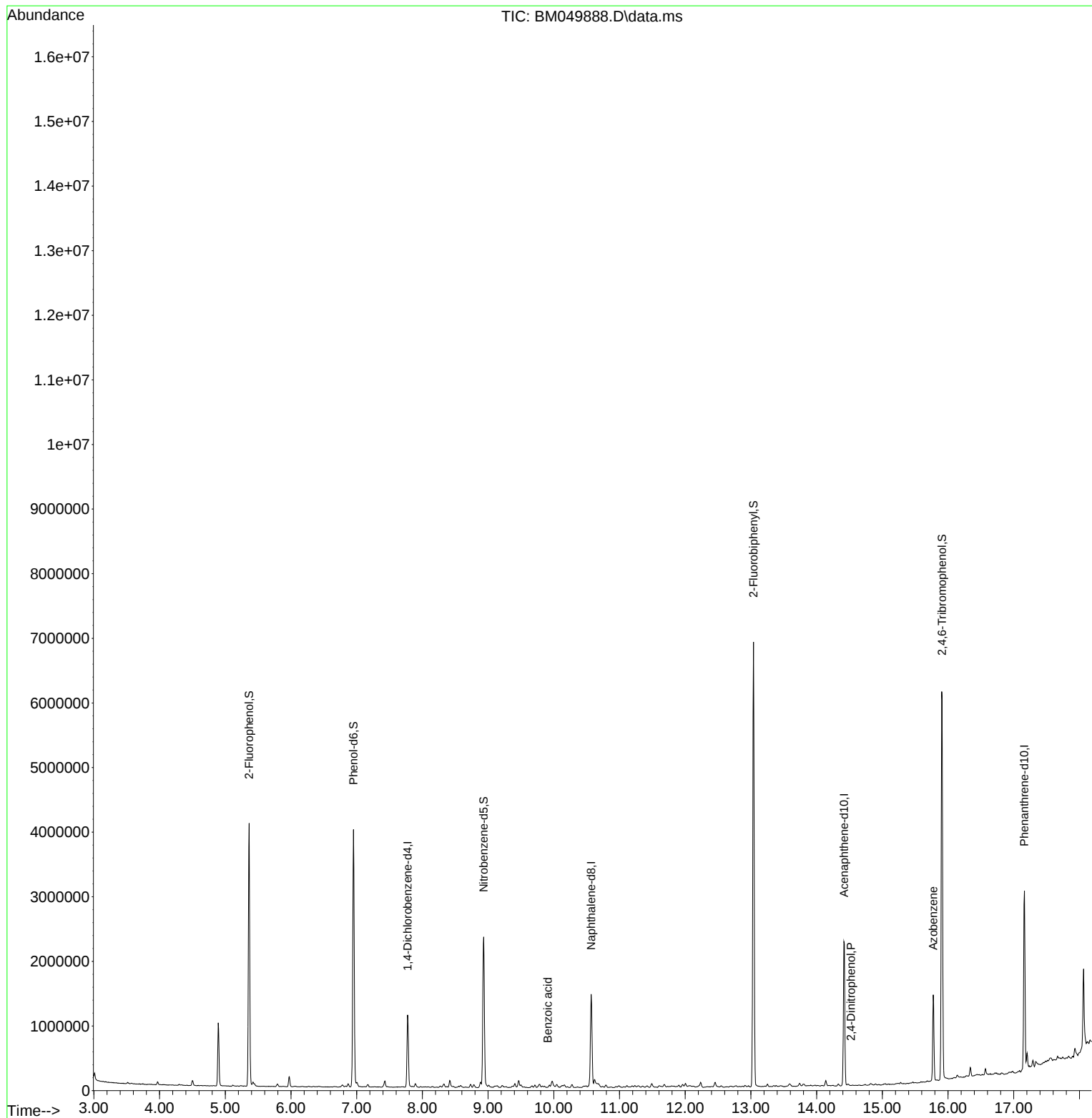
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	330809	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1203081	20.000	ng	0.00
39) Acenaphthene-d10	14.415	164	847484	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1761260	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1797920	20.000	ng	0.00
86) Perylene-d12	24.397	264	2035925	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1801933	92.495	ng	0.00
7) Phenol-d6	6.951	99	2358771	97.315	ng	0.00
23) Nitrobenzene-d5	8.933	82	1380399	63.892	ng	0.00
42) 2,4,6-Tribromophenol	15.909	330	1354042	109.844	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	3736069	59.779	ng	0.00
79) Terphenyl-d14	19.786	244	5828516	60.753	ng	0.00
Target Compounds						
					Qvalue	
32) Benzoic acid	9.910	122	316	8.555	ng	# 1
54) 2,4-Dinitrophenol	14.521	184	78	7.232	ng	# 25
63) Azobenzene	15.774	77	350948	7.149	ng	# 1
75) Fluoranthene	19.221	202	448243	3.776	ng	99
78) Pyrene	19.580	202	471260	3.803	ng	99
81) Benzo(a)anthracene	21.380	228	390477	3.268	ng	96
83) Chrysene	21.439	228	405240	3.567	ng	97
87) Indeno(1,2,3-cd)pyrene	27.762	276	538446	3.548	ng	95
88) Benzo(b)fluoranthene	23.450	252	777513	5.980	ng	# 88
89) Benzo(k)fluoranthene	23.509	252	269522	2.139	ng	# 79
90) Benzo(a)pyrene	24.250	252	545059	4.770	ng	# 85
92) Benzo(g,h,i)perylene	28.820	276	586681	4.593	ng	96

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

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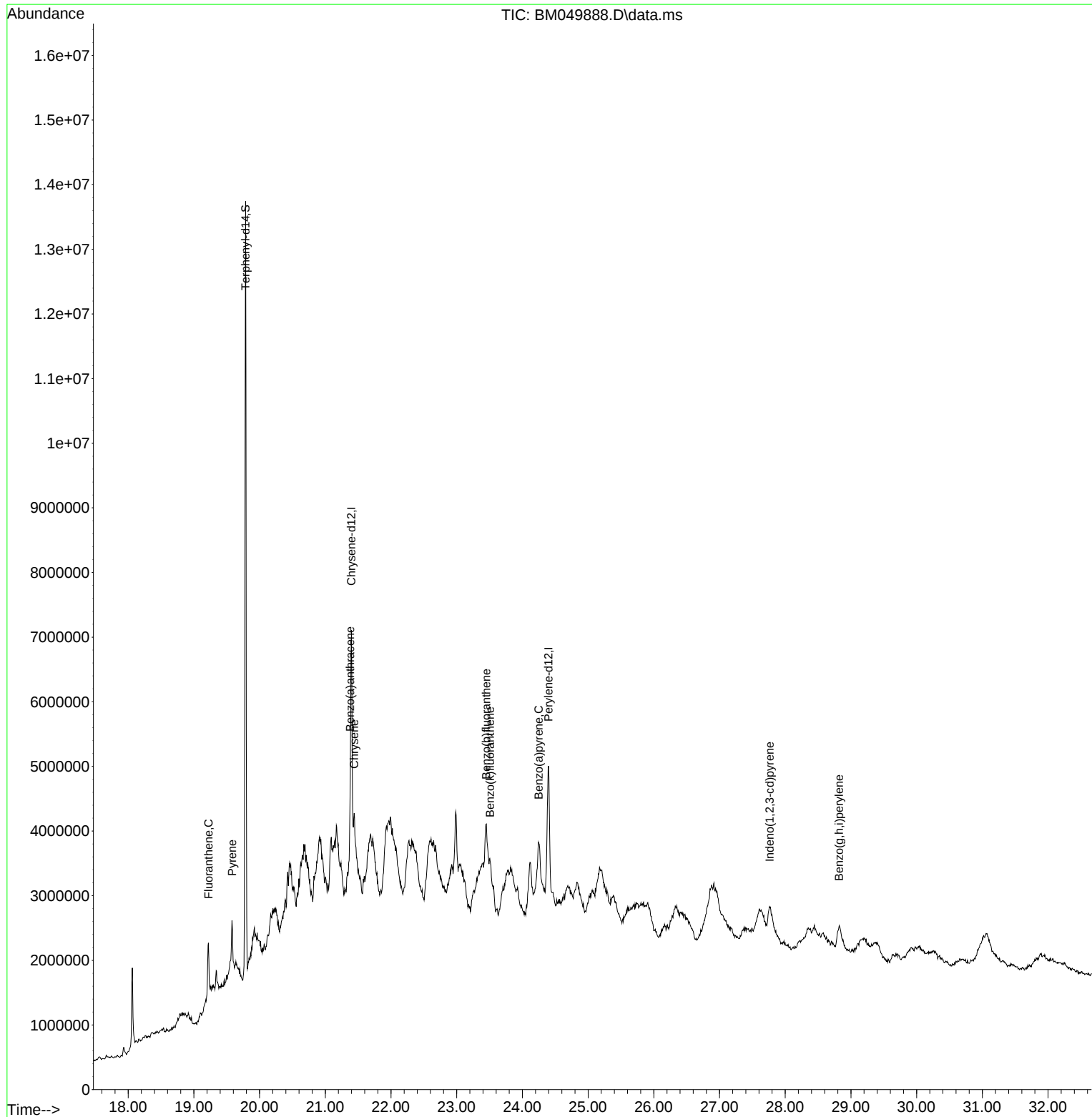
Quant Time: Apr 10 18:14:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



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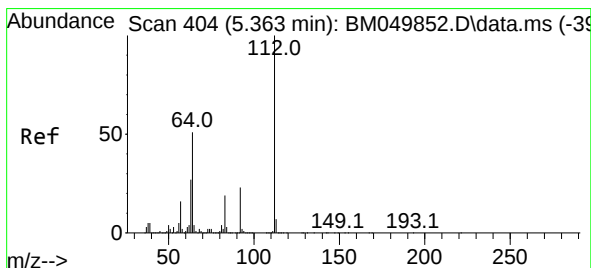
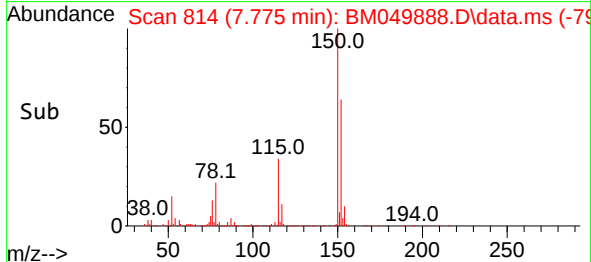
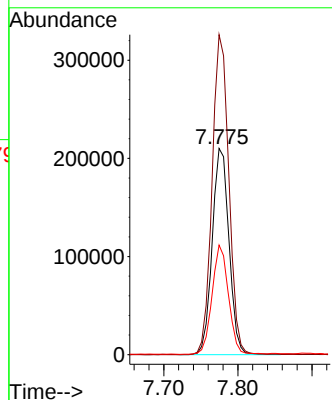
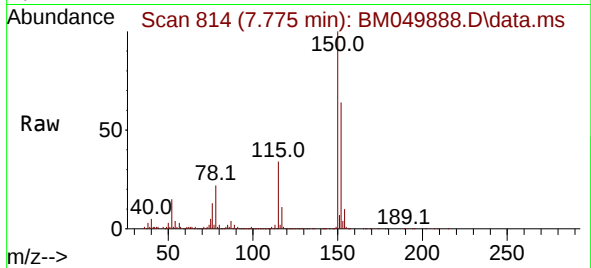




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM049888.D
Acq: 10 Apr 2025 17:25

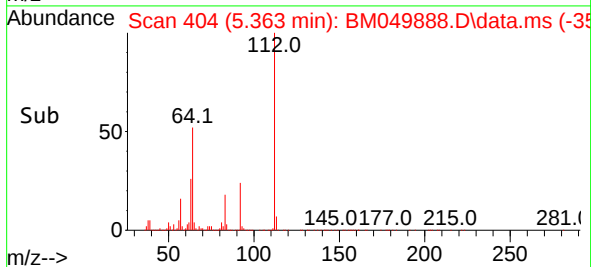
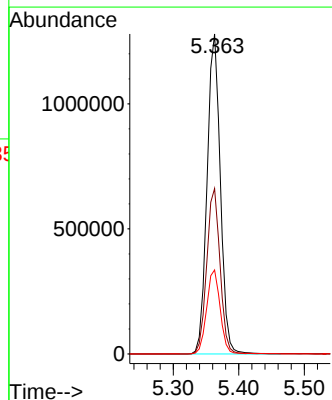
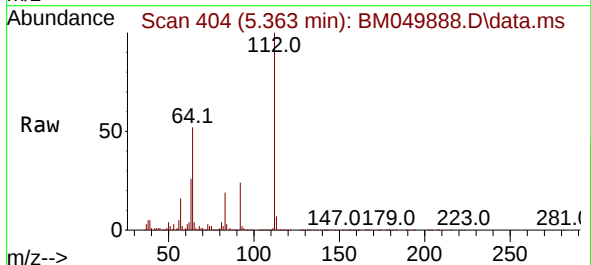
Instrument :
BNA_M
ClientSampleId :
TP-1

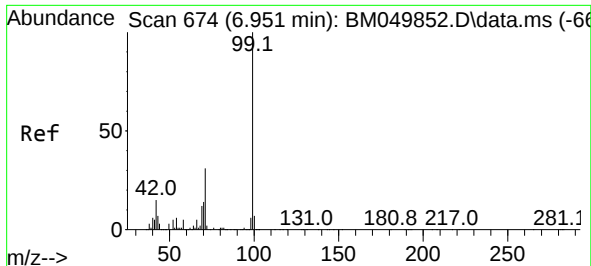
Tgt Ion:152 Resp: 330809
Ion Ratio Lower Upper
152 100
150 155.2 124.3 186.5
115 53.1 41.1 61.7



#5
2-Fluorophenol
Concen: 92.495 ng
RT: 5.363 min Scan# 404
Delta R.T. -0.000 min
Lab File: BM049888.D
Acq: 10 Apr 2025 17:25

Tgt Ion:112 Resp: 1801933
Ion Ratio Lower Upper
112 100
64 51.7 41.0 61.6
63 26.2 21.5 32.3

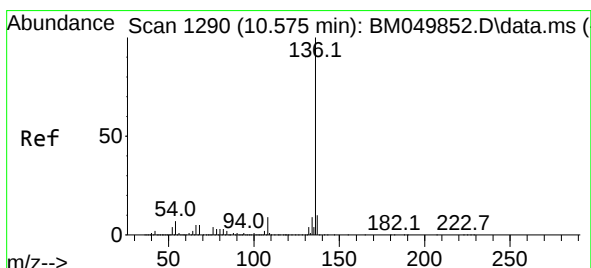
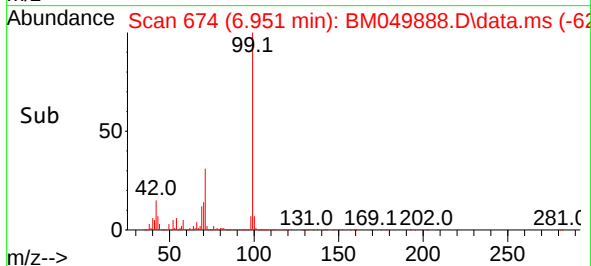
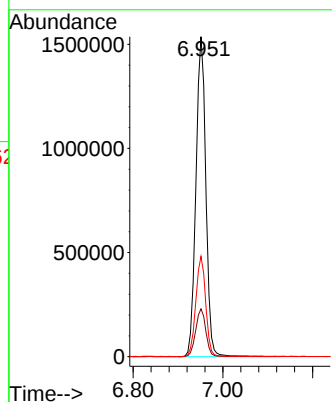
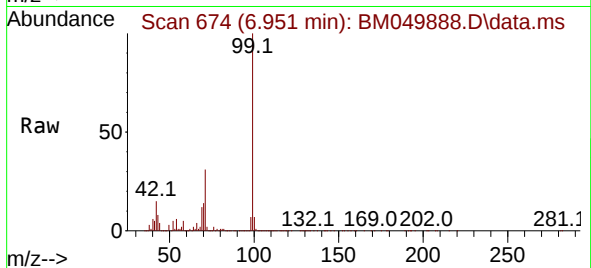




#7
Phenol-d6
Concen: 97.315 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049888.D
Acq: 10 Apr 2025 17:25

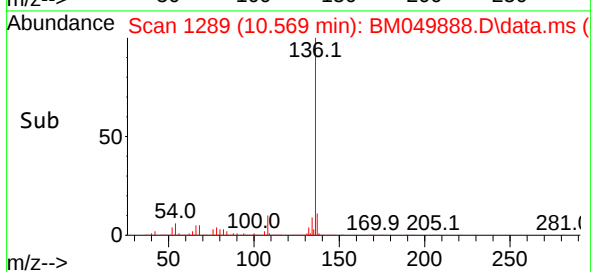
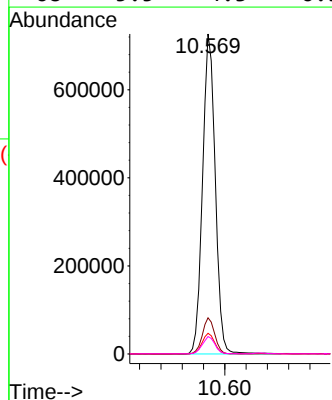
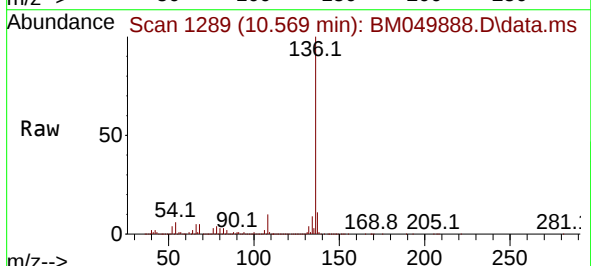
Instrument :
BNA_M
ClientSampleId :
TP-1

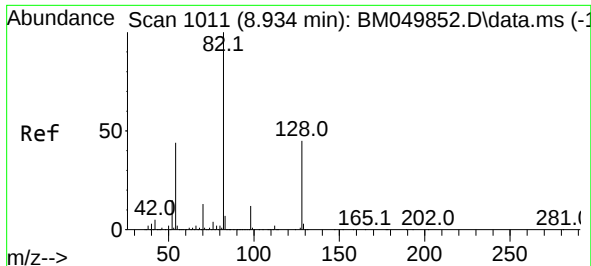
Tgt Ion: 99 Resp: 2358771
Ion Ratio Lower Upper
99 100
42 15.0 12.1 18.1
71 31.4 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049888.D
Acq: 10 Apr 2025 17:25

Tgt Ion: 136 Resp: 1203081
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 6.4 5.3 7.9
68 5.5 4.3 6.5

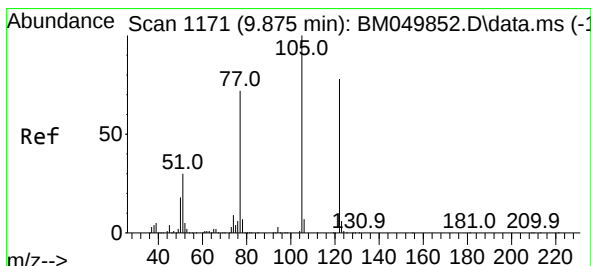
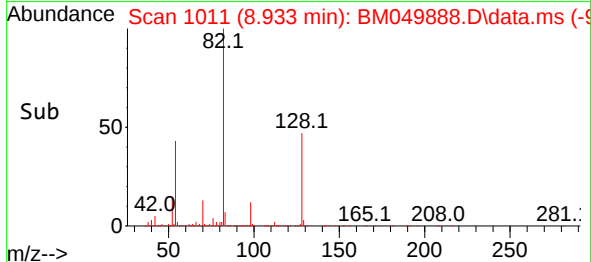
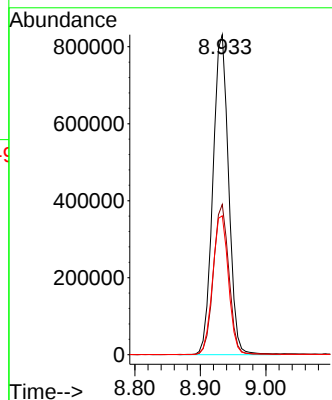
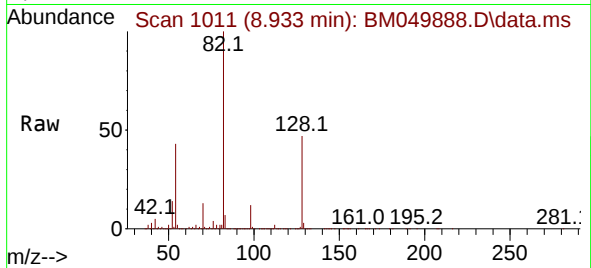




#23
Nitrobenzene-d5
Concen: 63.892 ng
RT: 8.933 min Scan# 1011
Delta R.T. -0.000 min
Lab File: BM049888.D
Acq: 10 Apr 2025 17:25

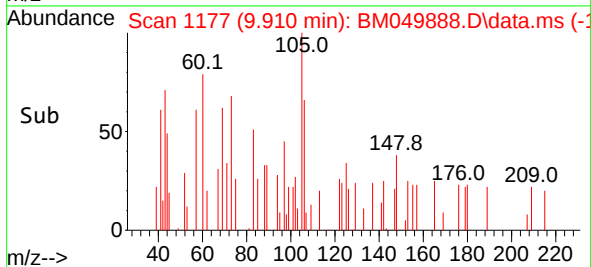
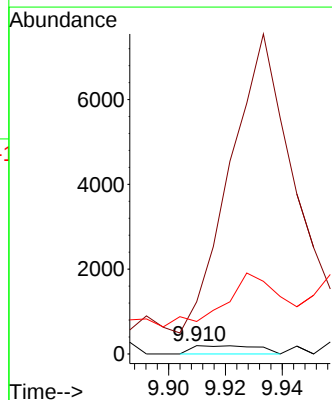
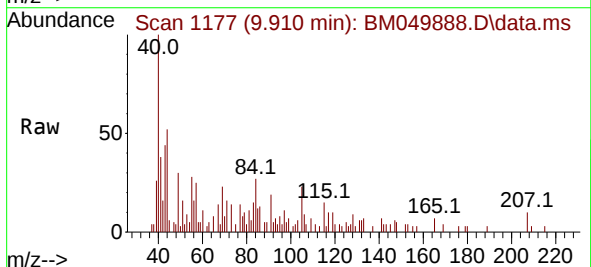
Instrument :
BNA_M
ClientSampleId :
TP-1

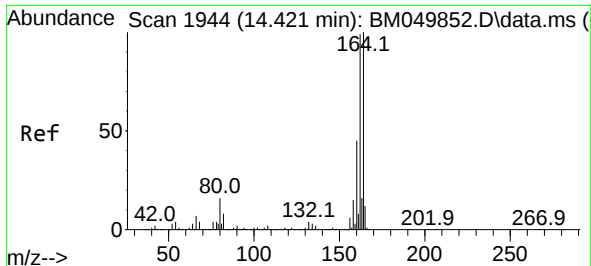
Tgt Ion: 82 Resp: 1380399
Ion Ratio Lower Upper
82 100
128 46.9 36.2 54.2
54 43.4 35.0 52.6



#32
Benzoic acid
Concen: 8.555 ng
RT: 9.910 min Scan# 1177
Delta R.T. 0.035 min
Lab File: BM049888.D
Acq: 10 Apr 2025 17:25

Tgt Ion:122 Resp: 316
Ion Ratio Lower Upper
122 100
105 621.7 103.8 143.8#
77 386.9 70.7 110.7#

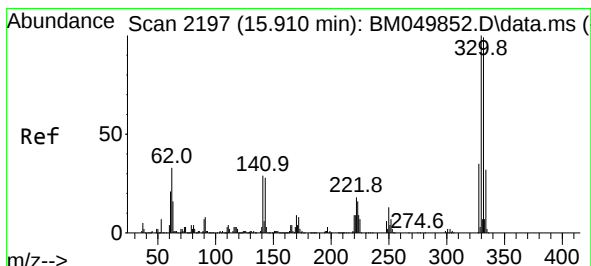
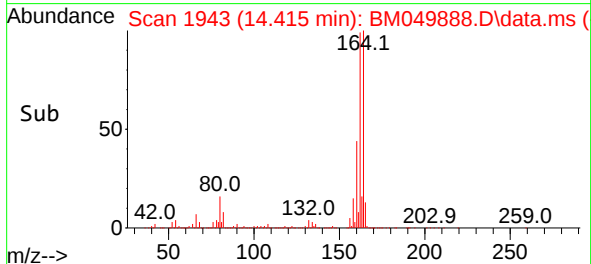
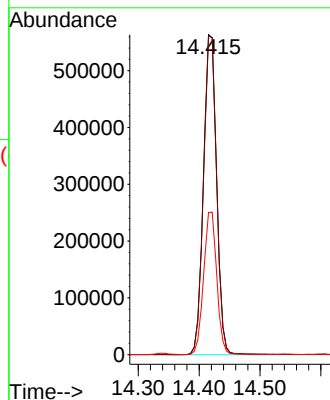
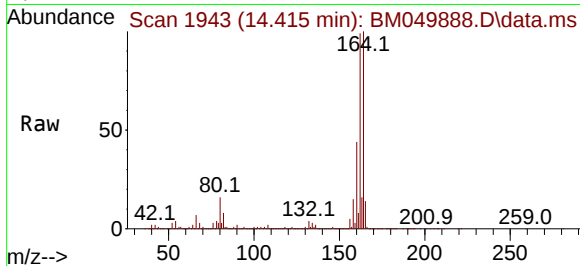




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.415 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049888.D
Acq: 10 Apr 2025 17:25

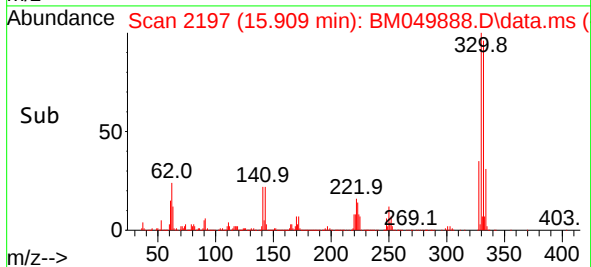
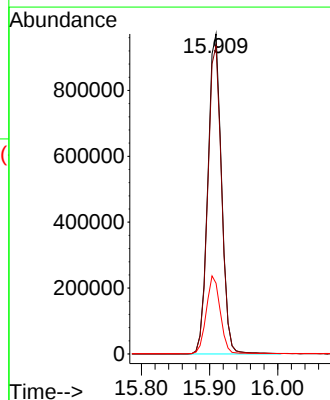
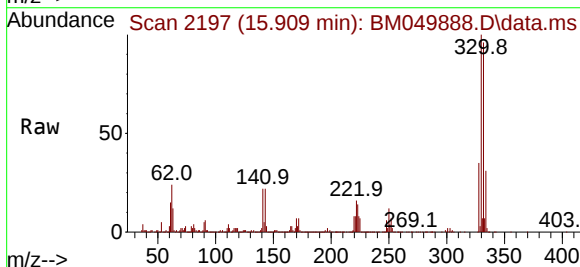
Instrument :
BNA_M
ClientSampleId :
TP-1

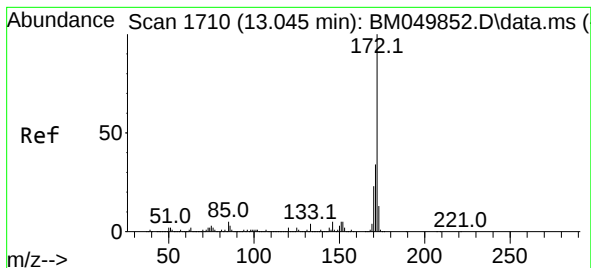
Tgt Ion:164 Resp: 847484
Ion Ratio Lower Upper
164 100
162 99.4 79.4 119.0
160 44.4 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 109.844 ng
RT: 15.909 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BM049888.D
Acq: 10 Apr 2025 17:25

Tgt Ion:330 Resp: 1354042
Ion Ratio Lower Upper
330 100
332 97.0 78.0 117.0
141 24.8 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 59.779 ng

RT: 13.039 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

Instrument :

BNA_M

ClientSampleId :

TP-1

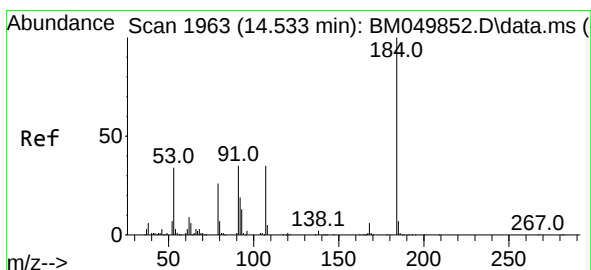
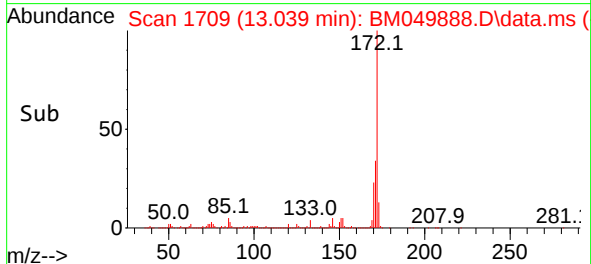
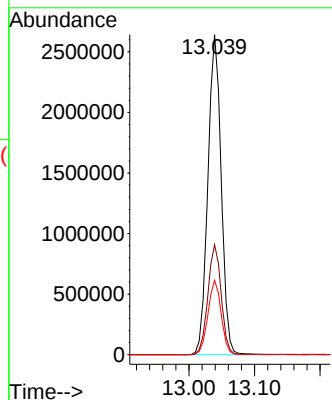
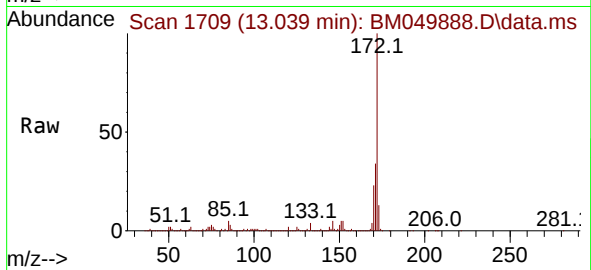
Tgt Ion:172 Resp: 3736069

Ion Ratio Lower Upper

172 100

171 34.4 27.4 41.2

170 23.3 18.6 28.0



#54

2,4-Dinitrophenol

Concen: 7.232 ng

RT: 14.521 min Scan# 1961

Delta R.T. -0.012 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

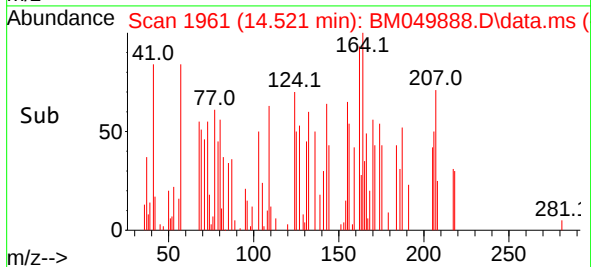
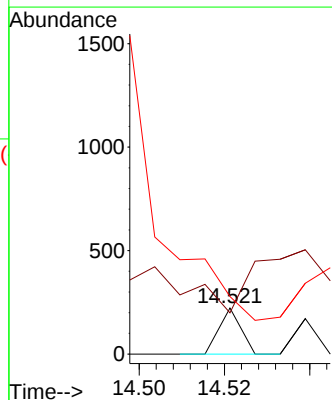
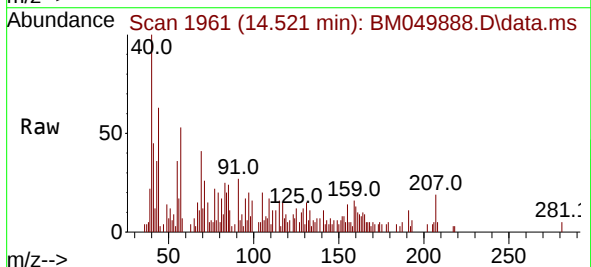
Tgt Ion:184 Resp: 78

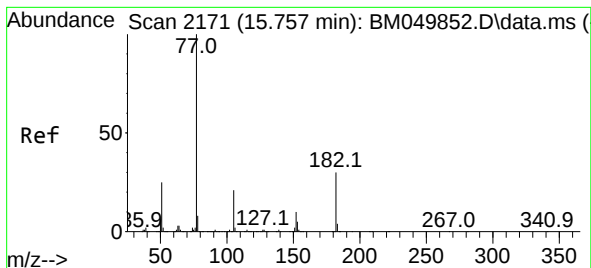
Ion Ratio Lower Upper

184 100

63 89.6 38.4 57.6#

154 125.2 48.1 72.1#





#63

Azobenzene

Concen: 7.149 ng

RT: 15.774 min Scan# 2174

Delta R.T. 0.018 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

Instrument :

BNA_M

ClientSampleId :

TP-1

Tgt Ion: 77 Resp: 350948

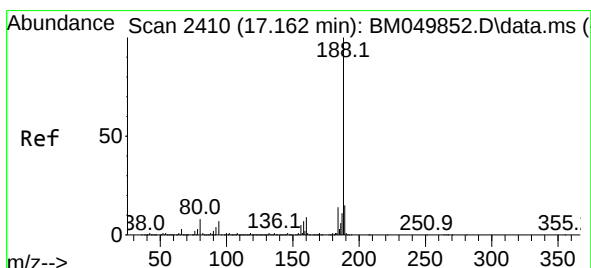
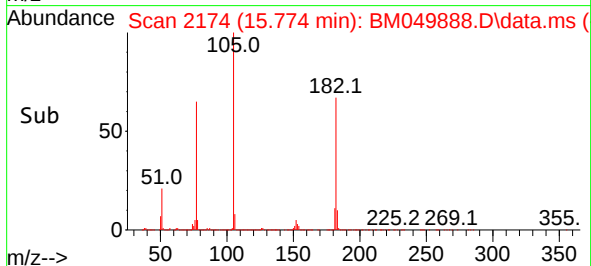
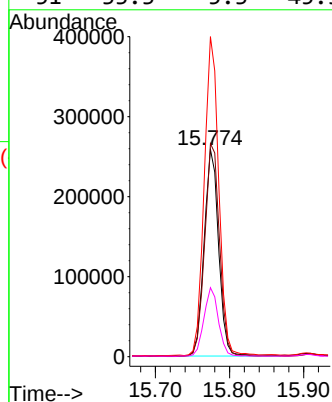
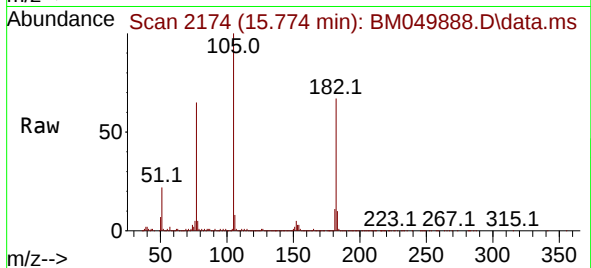
Ion Ratio Lower Upper

77 100

182 102.8 10.4 50.4#

105 154.4 1.5 41.5#

51 33.3 5.3 45.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.162 min Scan# 2410

Delta R.T. -0.000 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

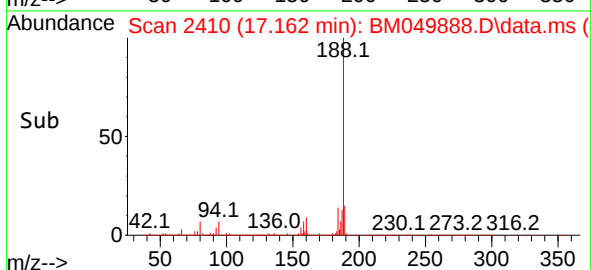
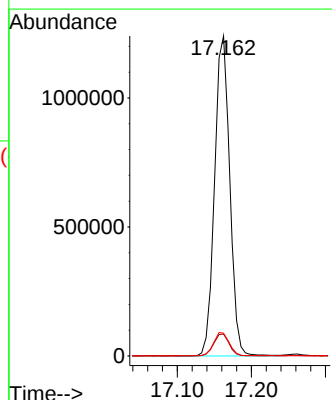
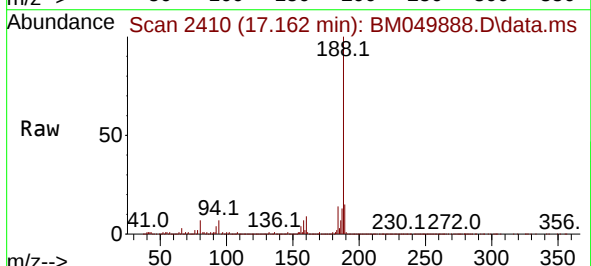
Tgt Ion:188 Resp: 1761260

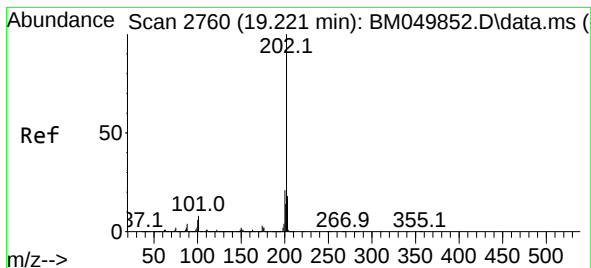
Ion Ratio Lower Upper

188 100

94 6.8 5.8 8.6

80 7.1 6.4 9.6





#75

Fluoranthene

Concen: 3.776 ng

RT: 19.221 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

Instrument :

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ClientSampleId :

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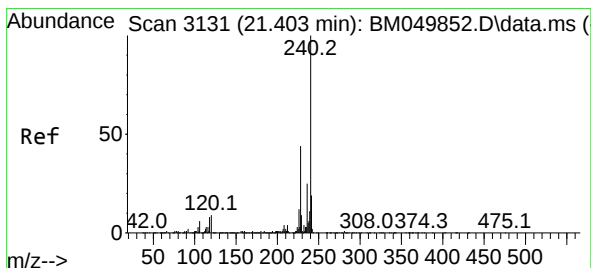
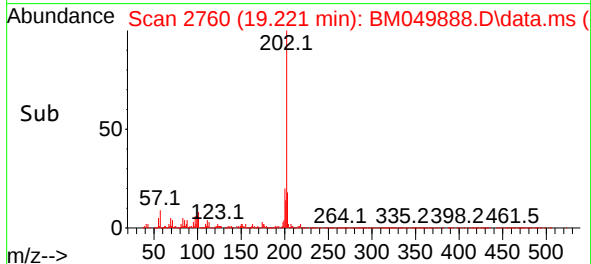
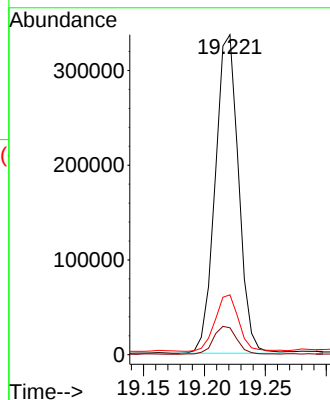
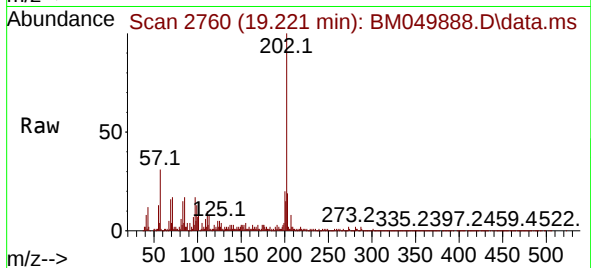
Tgt Ion:202 Resp: 448243

Ion Ratio Lower Upper

202 100

101 8.4 0.0 28.4

203 18.7 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.397 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

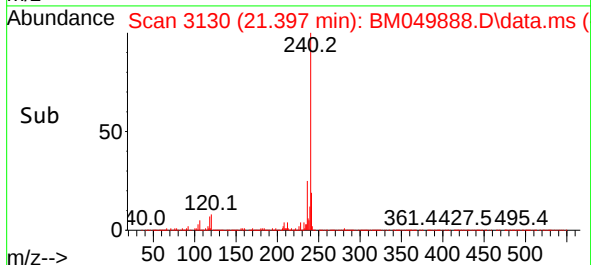
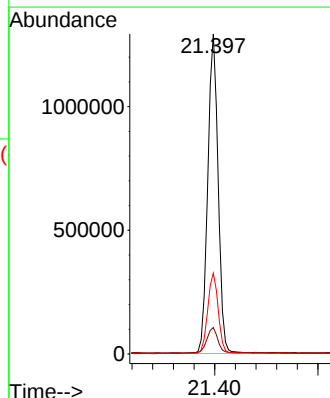
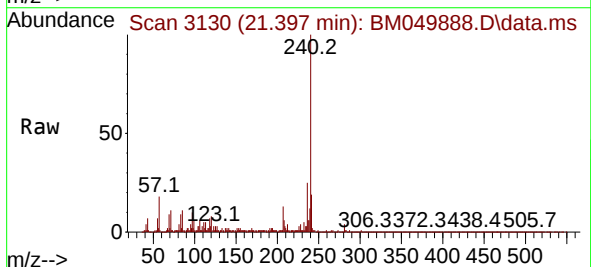
Tgt Ion:240 Resp: 1797920

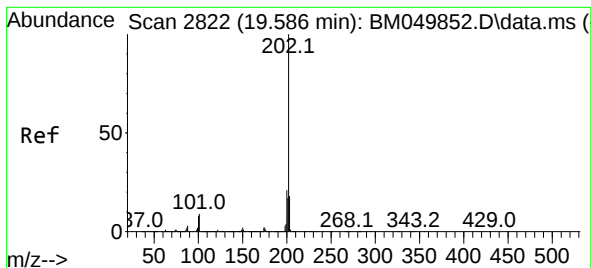
Ion Ratio Lower Upper

240 100

120 8.2 6.9 10.3

236 25.3 20.4 30.6





#78

Pyrene

Concen: 3.803 ng

RT: 19.580 min Scan# 2822

Delta R.T. -0.006 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

Instrument :

BNA_M

ClientSampleId :

TP-1

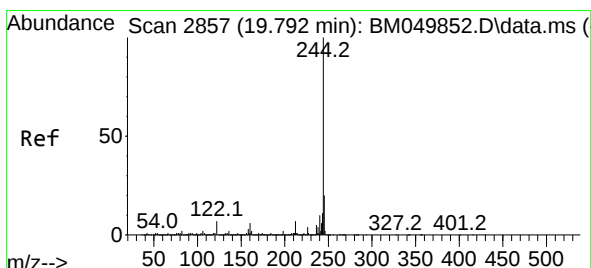
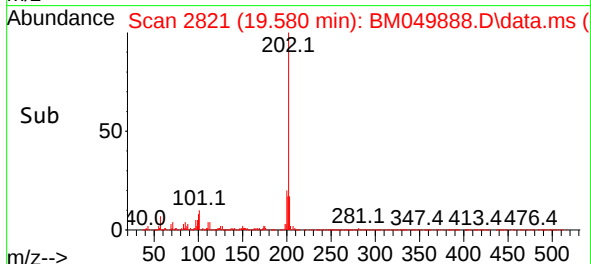
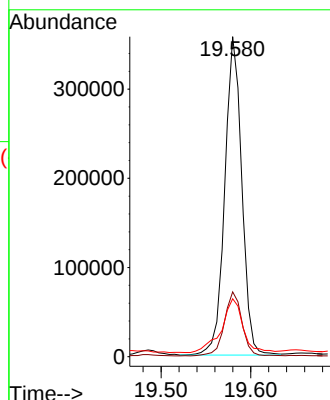
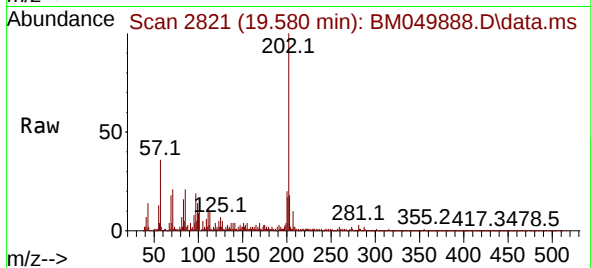
Tgt Ion:202 Resp: 471260

Ion Ratio Lower Upper

202 100

200 20.3 16.5 24.7

203 18.1 14.0 21.0



#79

Terphenyl-d14

Concen: 60.753 ng

RT: 19.786 min Scan# 2856

Delta R.T. -0.006 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

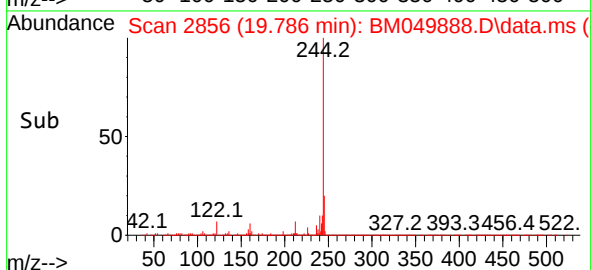
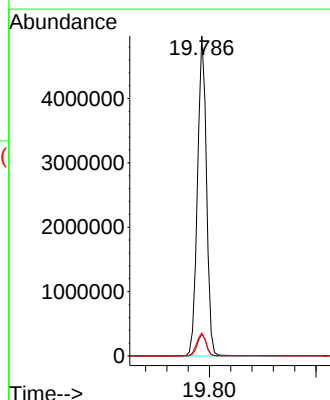
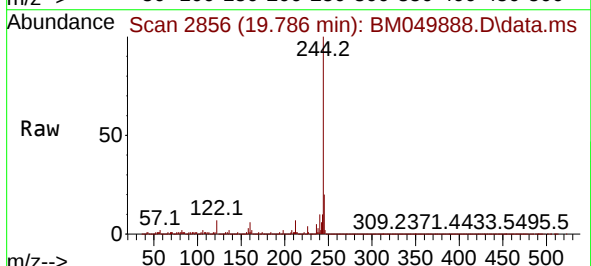
Tgt Ion:244 Resp: 5828516

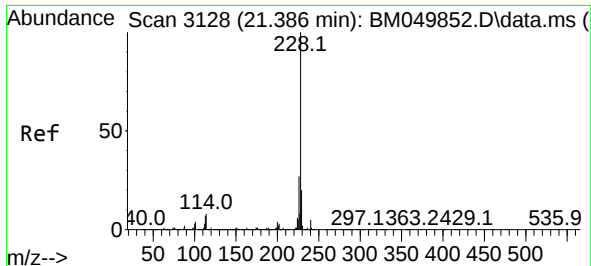
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 7.1 5.4 8.0

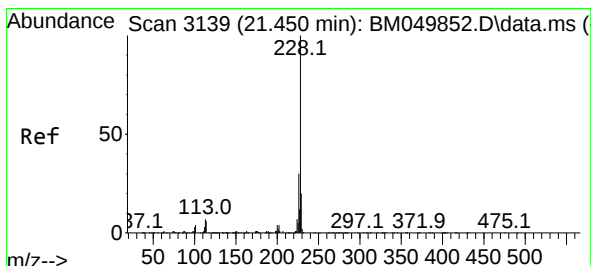
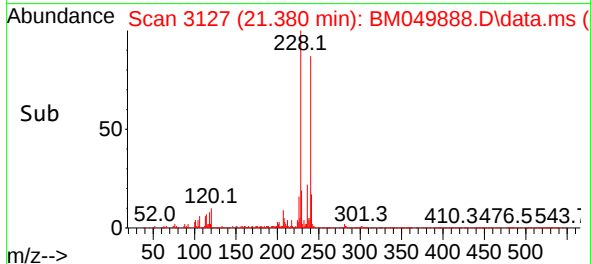
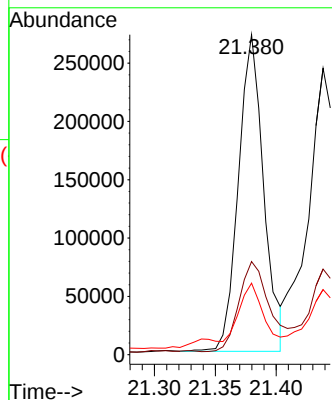
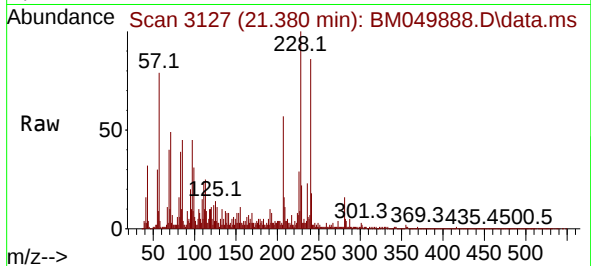




#81
Benzo(a)anthracene
Concen: 3.268 ng
RT: 21.380 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BM049888.D
Acq: 10 Apr 2025 17:25

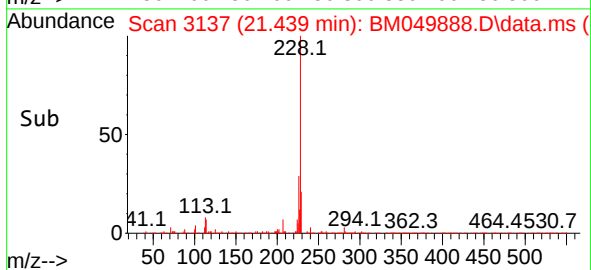
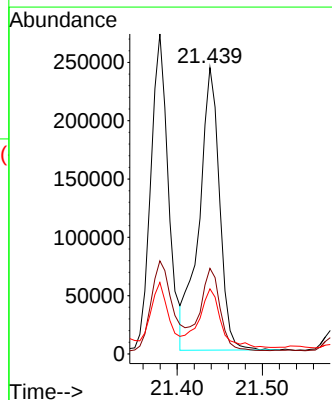
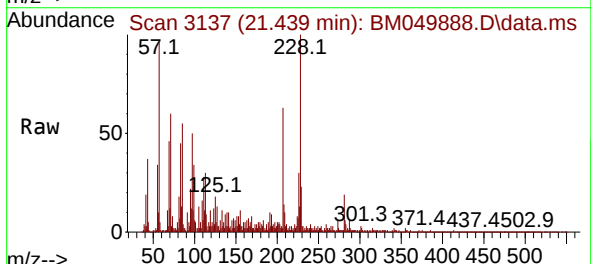
Instrument :
BNA_M
ClientSampleId :
TP-1

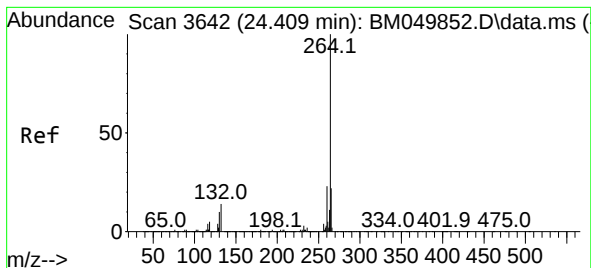
Tgt Ion:228 Resp: 390477
Ion Ratio Lower Upper
228 100
226 29.1 21.8 32.8
229 22.3 15.8 23.8



#83
Chrysene
Concen: 3.567 ng
RT: 21.439 min Scan# 3137
Delta R.T. -0.012 min
Lab File: BM049888.D
Acq: 10 Apr 2025 17:25

Tgt Ion:228 Resp: 405240
Ion Ratio Lower Upper
228 100
226 29.9 24.1 36.1
229 22.7 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.397 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

Instrument :

BNA_M

ClientSampleId :

TP-1

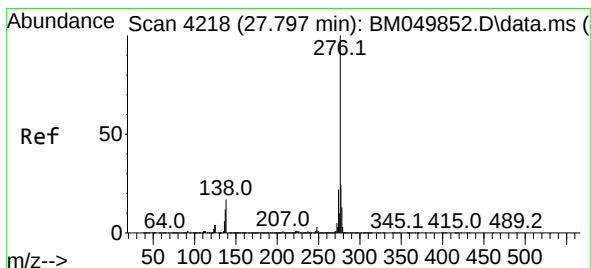
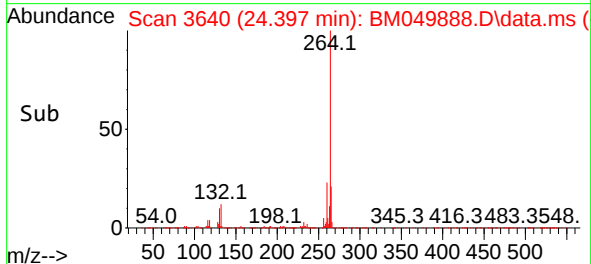
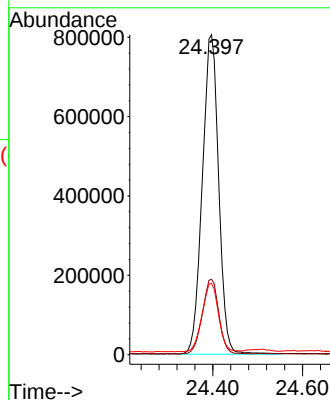
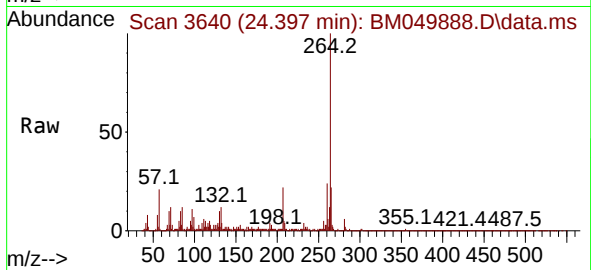
Tgt Ion:264 Resp: 2035925

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 22.2 17.8 26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.548 ng

RT: 27.762 min Scan# 4212

Delta R.T. -0.035 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

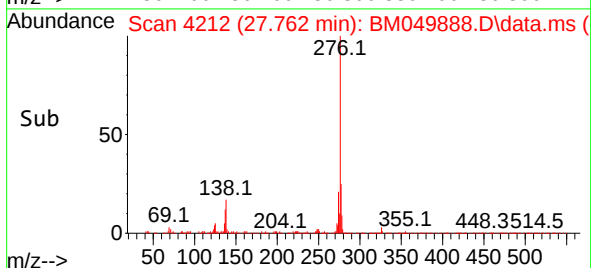
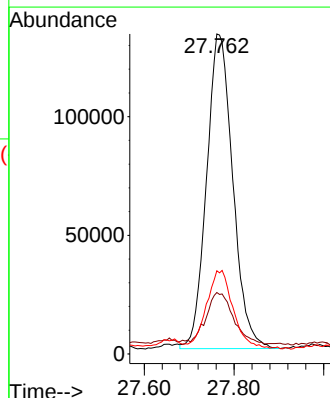
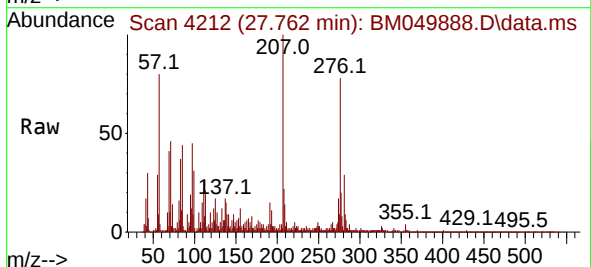
Tgt Ion:276 Resp: 538446

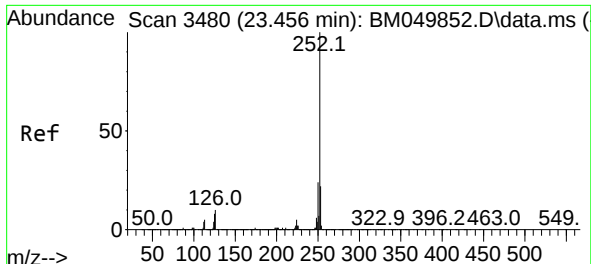
Ion Ratio Lower Upper

276 100

138 17.0 16.8 25.2

277 24.5 20.1 30.1

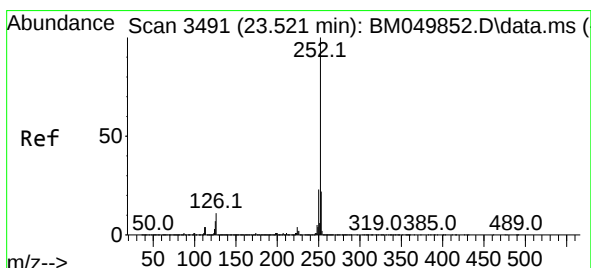
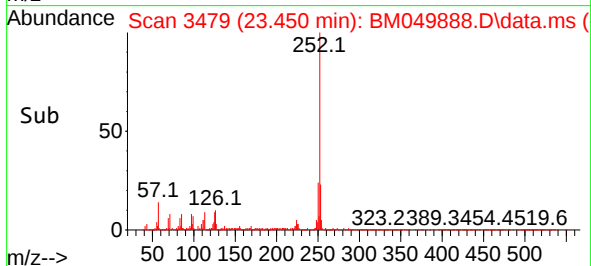
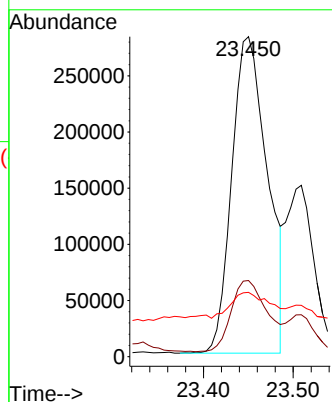
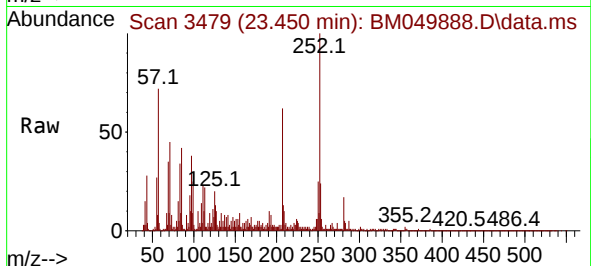




#88
Benzo(b)fluoranthene
Concen: 5.980 ng
RT: 23.450 min Scan# 3480
Delta R.T. -0.006 min
Lab File: BM049888.D
Acq: 10 Apr 2025 17:25

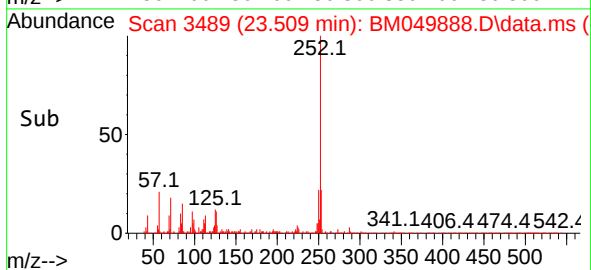
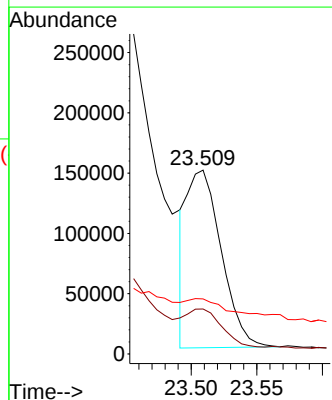
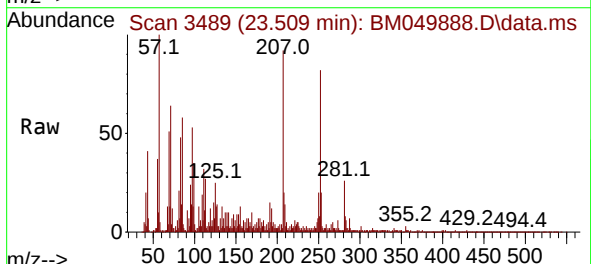
Instrument :
BNA_M
ClientSampleId :
TP-1

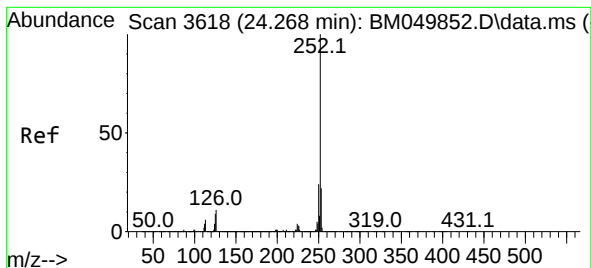
Tgt Ion:252 Resp: 777513
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 20.1 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 2.139 ng
RT: 23.509 min Scan# 3489
Delta R.T. -0.012 min
Lab File: BM049888.D
Acq: 10 Apr 2025 17:25

Tgt Ion:252 Resp: 269522
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.2
125 30.0 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 4.770 ng

RT: 24.250 min Scan# 3

Delta R.T. -0.018 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

Instrument :

BNA_M

ClientSampleId :

TP-1

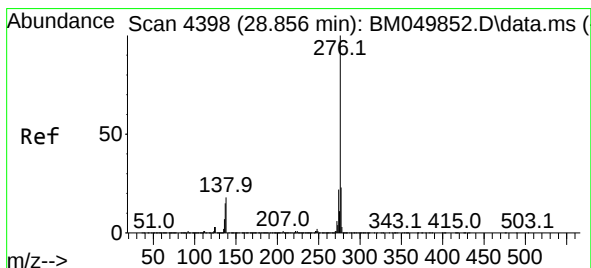
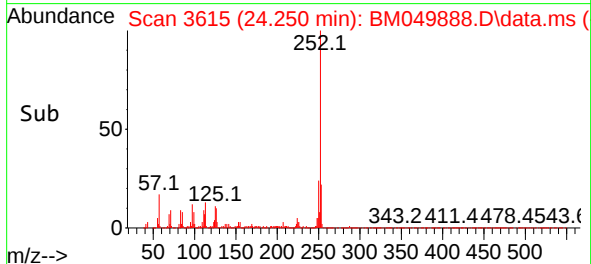
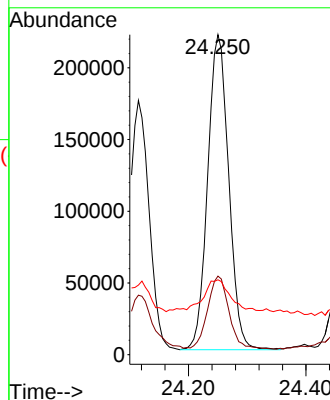
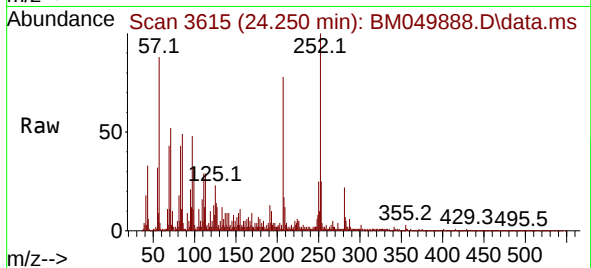
Tgt Ion:252 Resp: 545059

Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.8

125 23.4 7.0 10.4#



#92

Benzo(g,h,i)perylene

Concen: 4.593 ng

RT: 28.820 min Scan# 4392

Delta R.T. -0.035 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

Tgt Ion:276 Resp: 586681

Ion Ratio Lower Upper

276 100

277 25.7 18.7 28.1

138 19.5 14.6 21.8

