

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

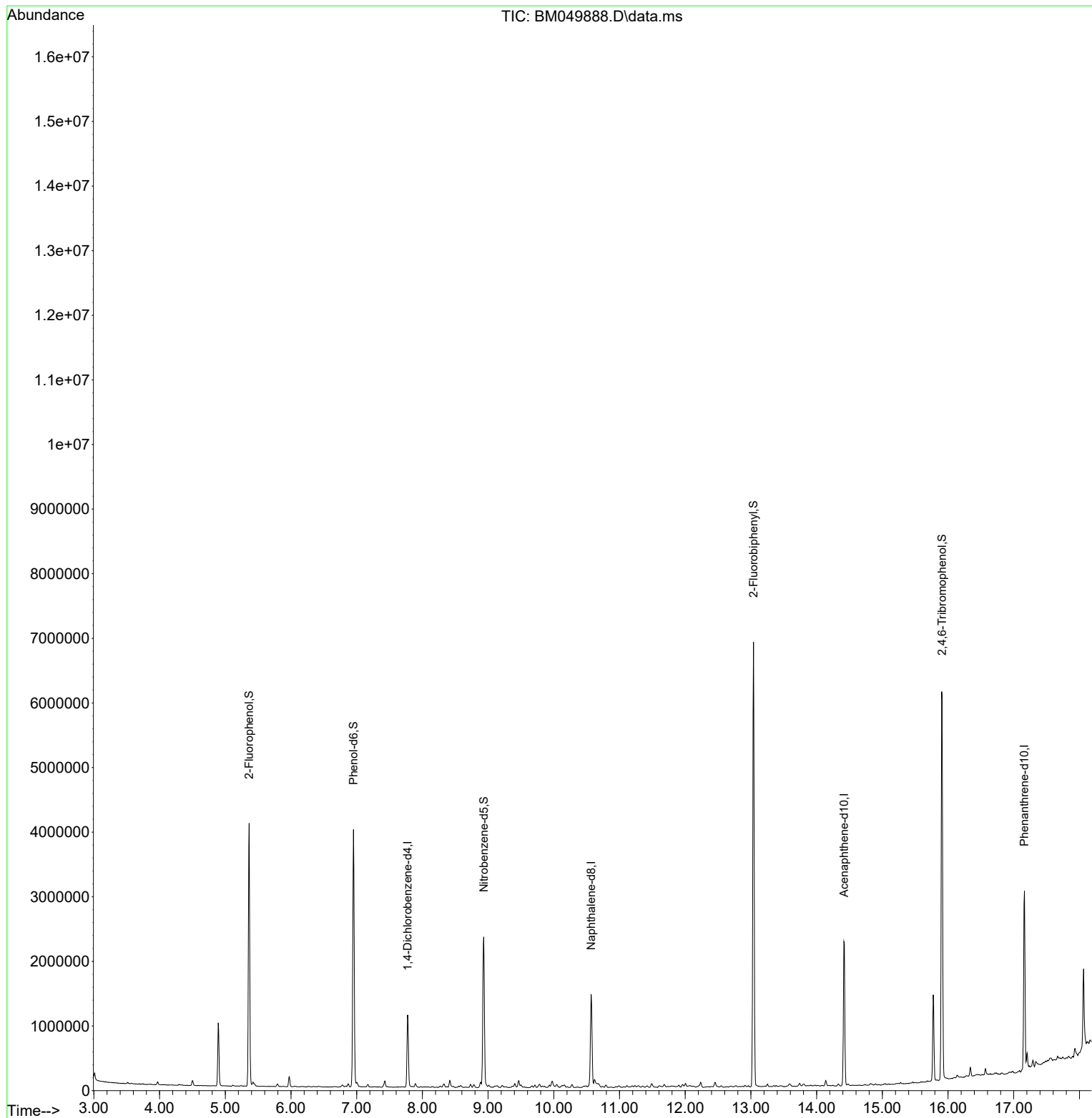
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	330809	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1203081	20.000	ng	0.00
39) Acenaphthene-d10	14.415	164	847484	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1761260	20.000	ng	0.00
76) Chrysene-d12	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						
75) Fluoranthene	19.221	202	448243	3.776	ng	Qvalue 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	321633m	2.553	ng	
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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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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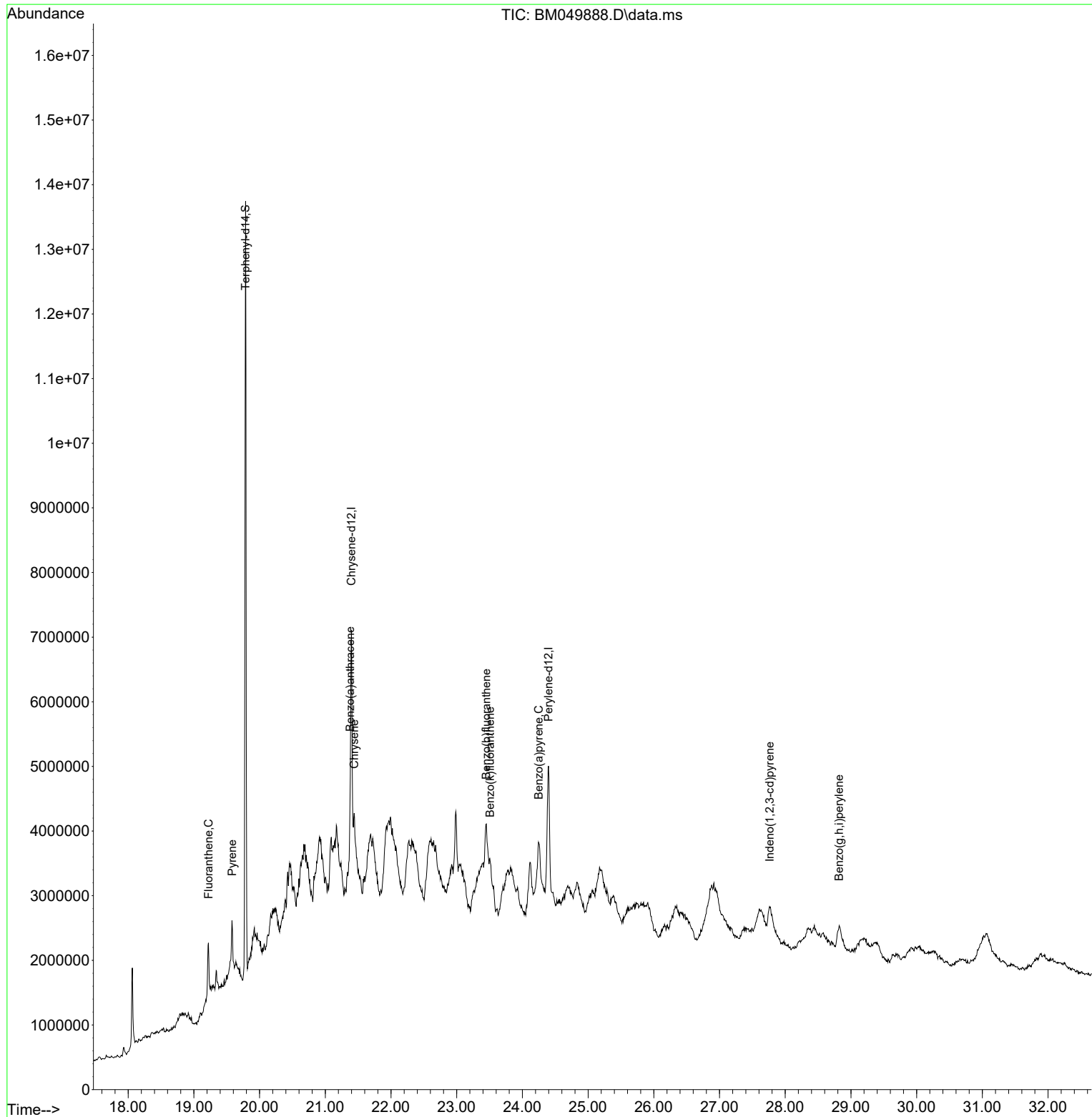
Quant Time: Apr 10 18:14:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
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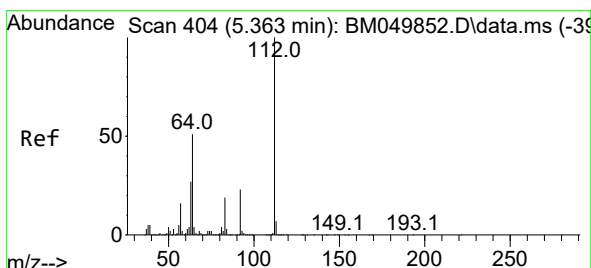
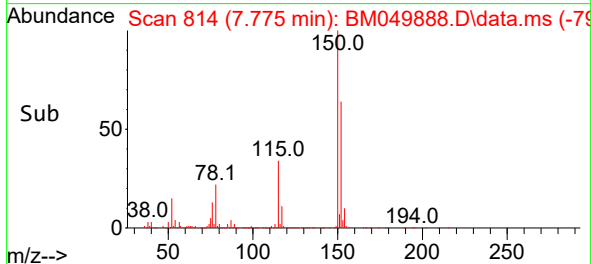
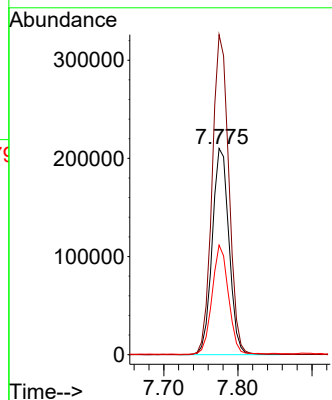
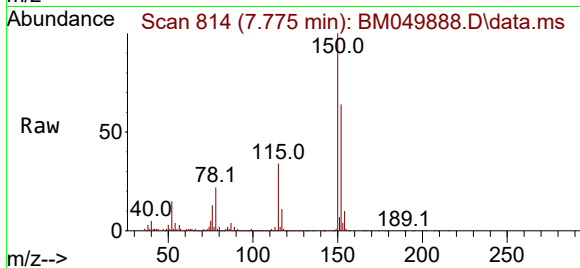




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM049888.D
Acq: 10 Apr 2025 17:25

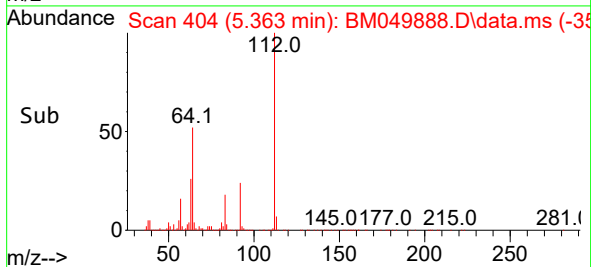
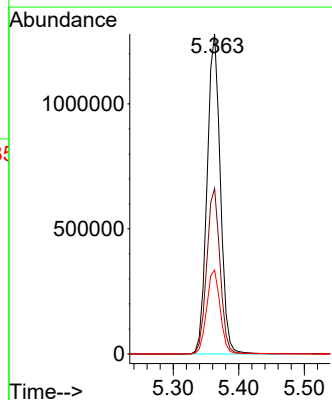
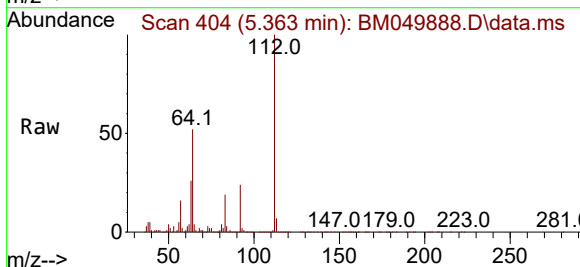
Instrument :
BNA_M
ClientSampleId :
TP-1

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

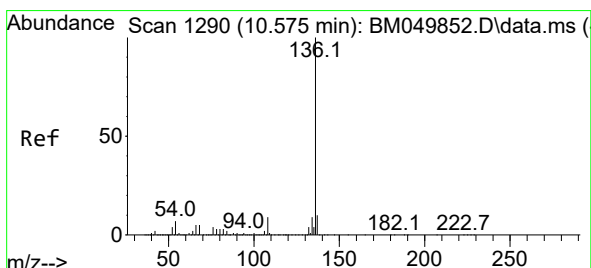
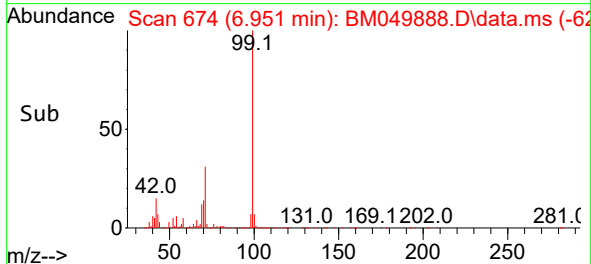
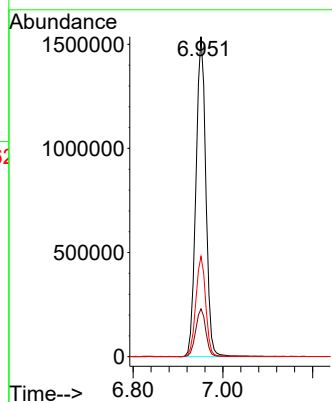
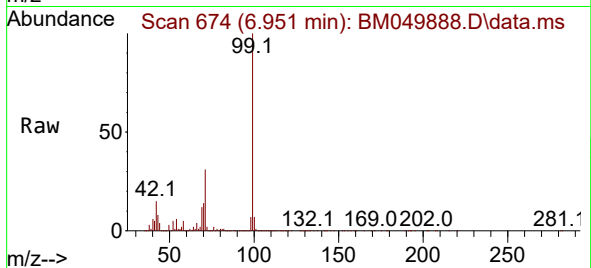




#7
Phenol-d6
Concen: 97.315 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049888.D
Acq: 10 Apr 2025 17:25

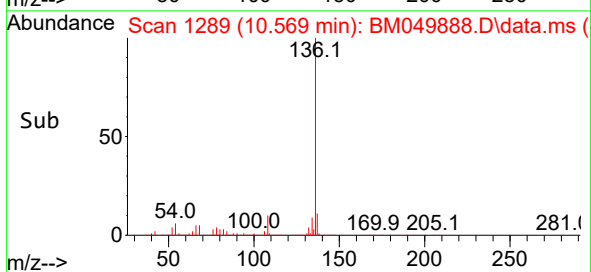
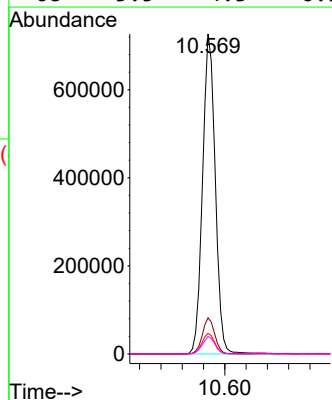
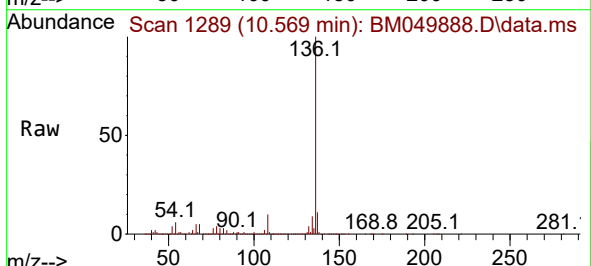
Instrument :
BNA_M
ClientSampleId :
TP-1

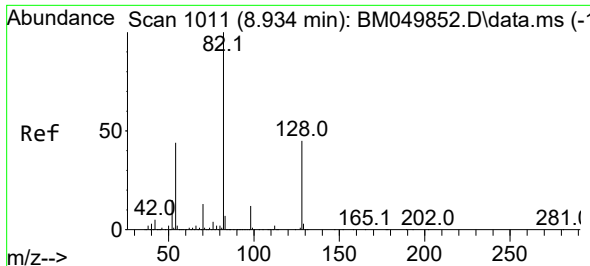
Tgt Ion: 99 Resp: 2358771
Ion Ratio Lower Upper
99 100
42 15.0 12.1 18.1
71 31.4 24.9 37.3



#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

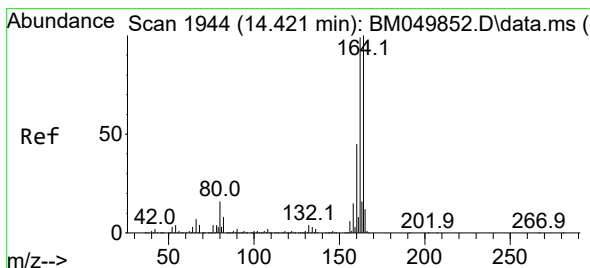
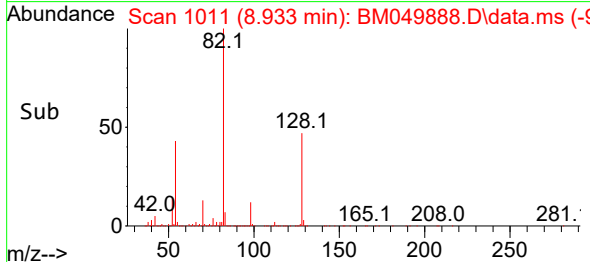
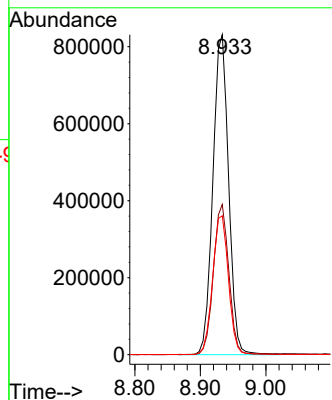
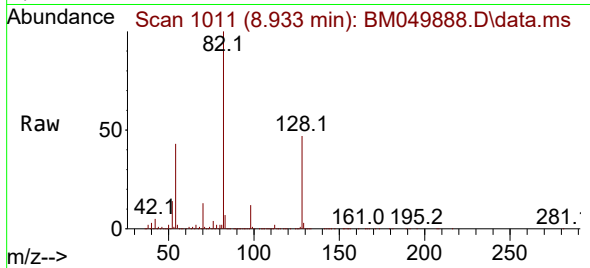




#23
 Nitrobenzene-d5
 Concen: 63.892 ng
 RT: 8.933 min Scan# 1011
 Delta R.T. -0.000 min
 Lab File: BM049888.D
 Acq: 10 Apr 2025 17:25

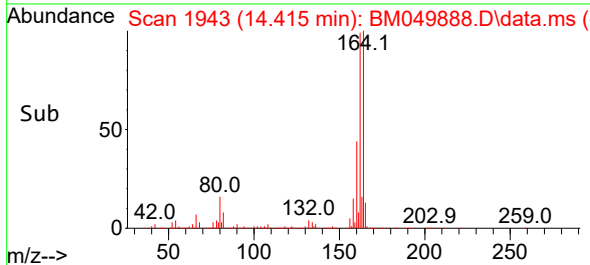
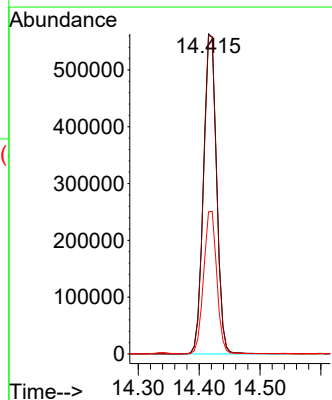
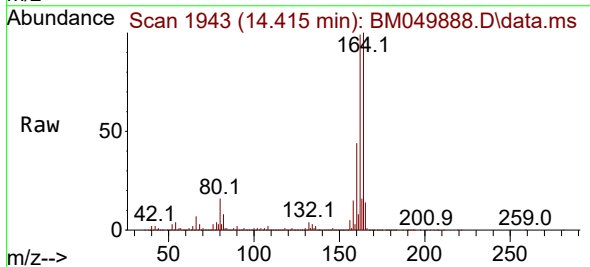
Instrument :
 BNA_M
 ClientSampleId :
 TP-1

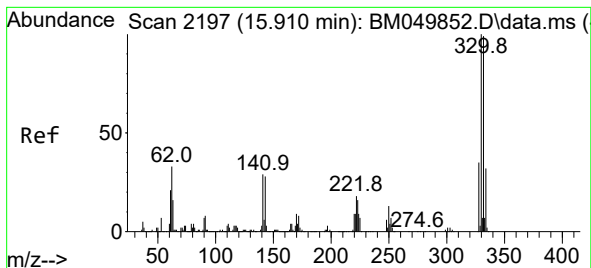
Tgt Ion: 82 Resp: 1380399
 Ion Ratio Lower Upper
 82 100
 128 46.9 36.2 54.2
 54 43.4 35.0 52.6



#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

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# 21

Delta R.T. -0.000 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

Instrument :

BNA_M

ClientSampleId :

TP-1

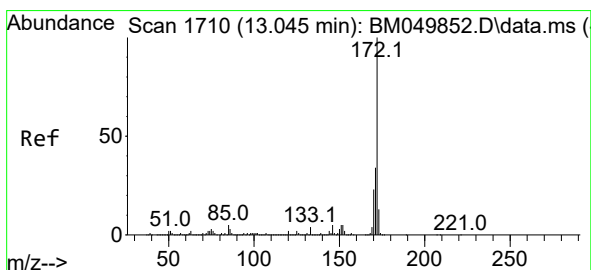
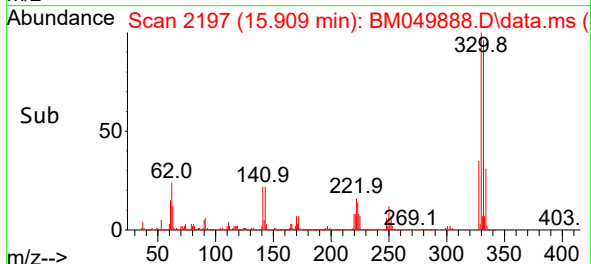
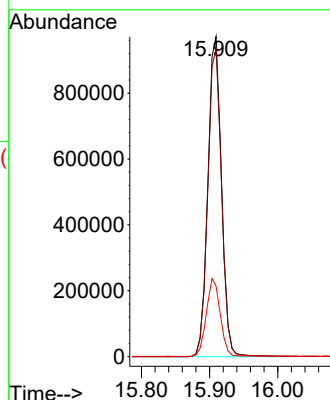
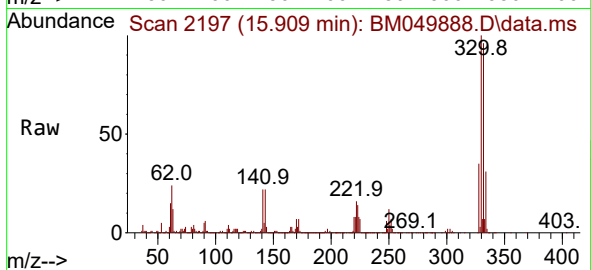
Tgt Ion:330 Resp: 1354042

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# 1709

Delta R.T. -0.006 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

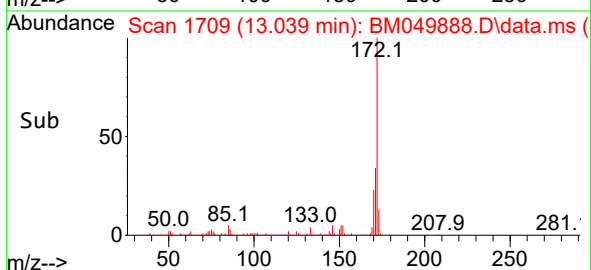
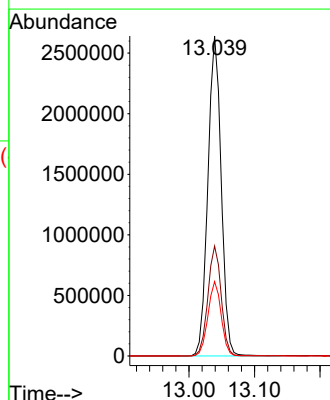
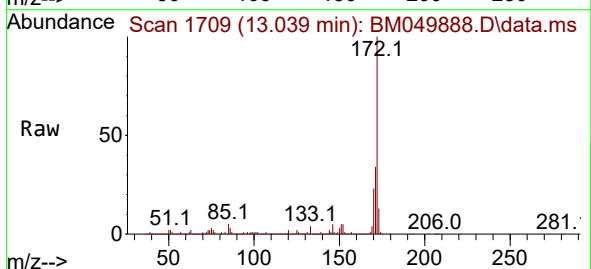
Tgt Ion:172 Resp: 3736069

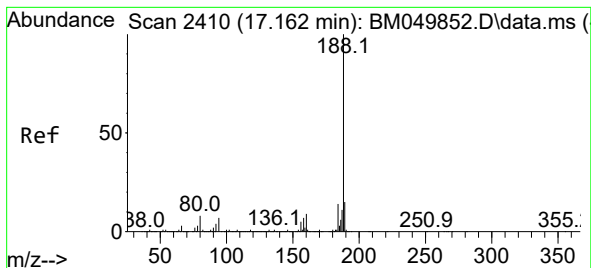
Ion Ratio Lower Upper

172 100

171 34.4 27.4 41.2

170 23.3 18.6 28.0





#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

Instrument :

BNA_M

ClientSampleId :

TP-1

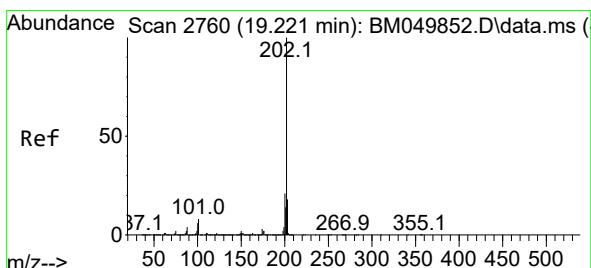
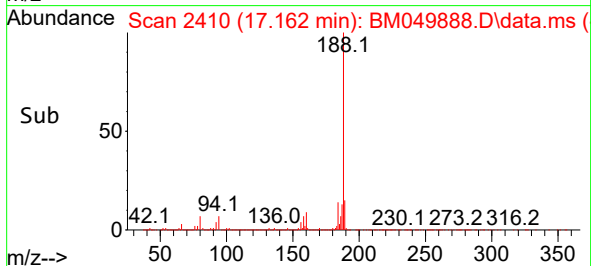
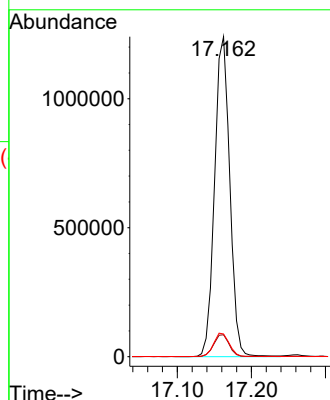
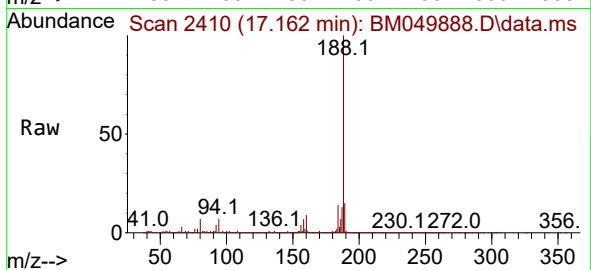
Tgt Ion:188 Resp: 1761260

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# 2760

Delta R.T. -0.000 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

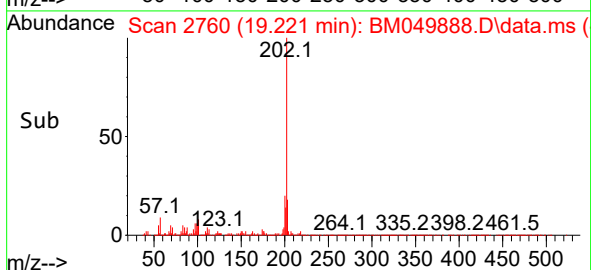
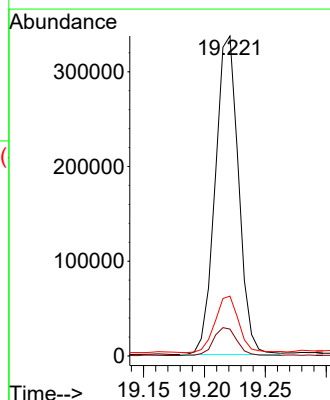
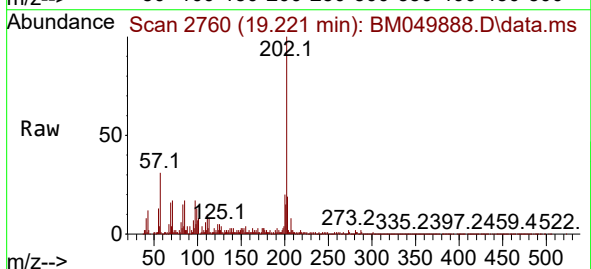
Tgt Ion:202 Resp: 448243

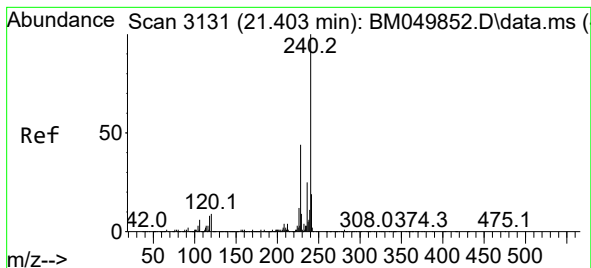
Ion Ratio Lower Upper

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# 31

Delta R.T. -0.006 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

Instrument :

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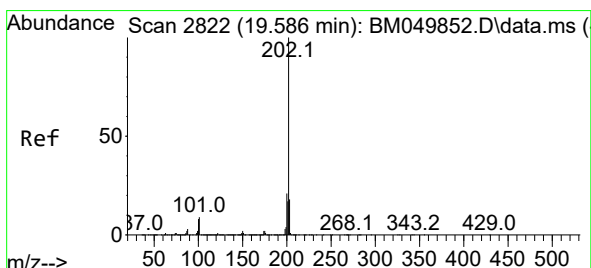
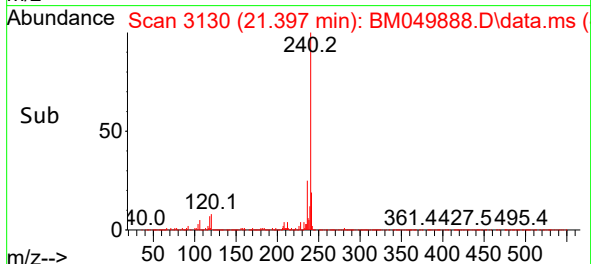
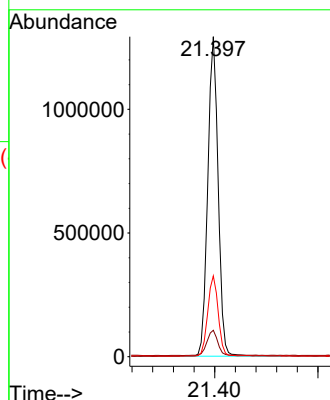
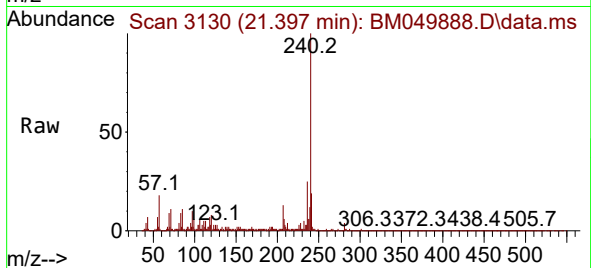
Tgt Ion:240 Resp: 1797920

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# 2821

Delta R.T. -0.006 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

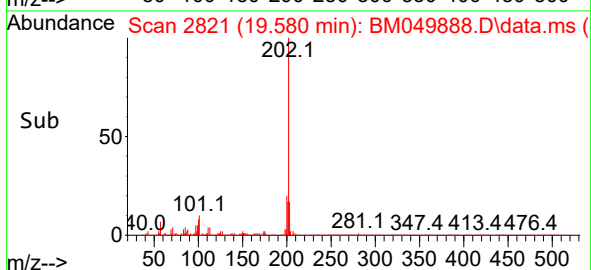
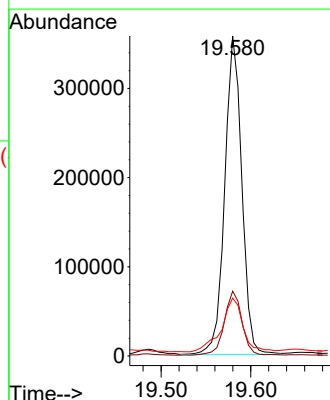
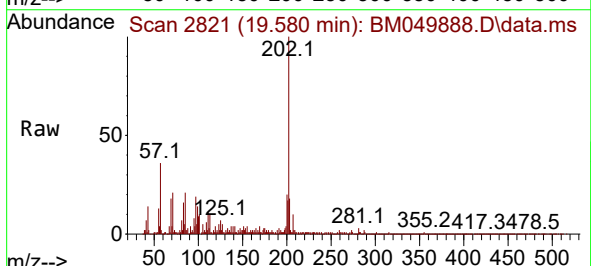
Tgt Ion:202 Resp: 471260

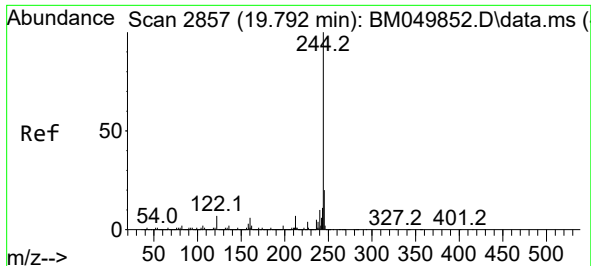
Ion Ratio Lower Upper

202 100

200 20.3 16.5 24.7

203 18.1 14.0 21.0

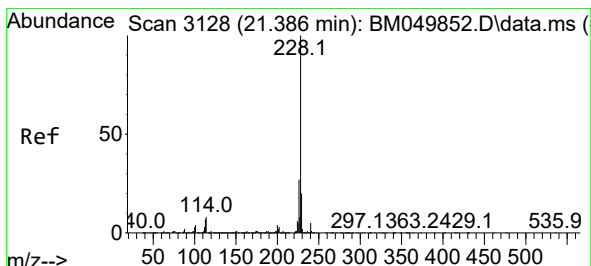
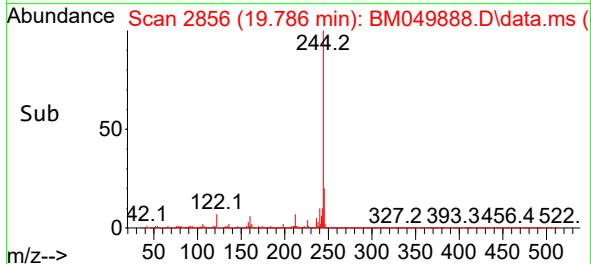
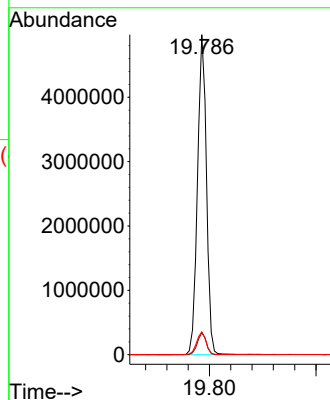
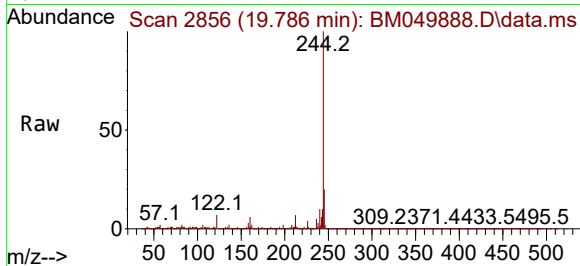




#79
 Terphenyl-d14
 Concen: 60.753 ng
 RT: 19.786 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM049888.D
 Acq: 10 Apr 2025 17:25

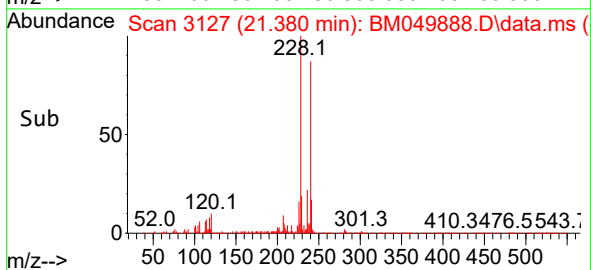
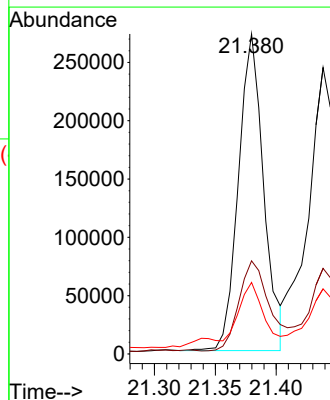
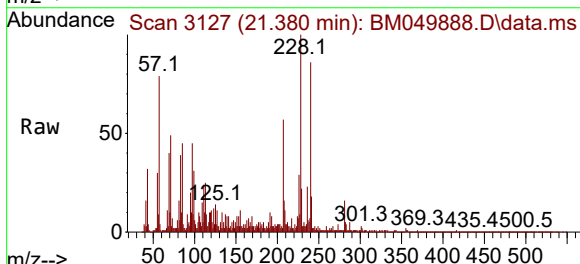
Instrument :
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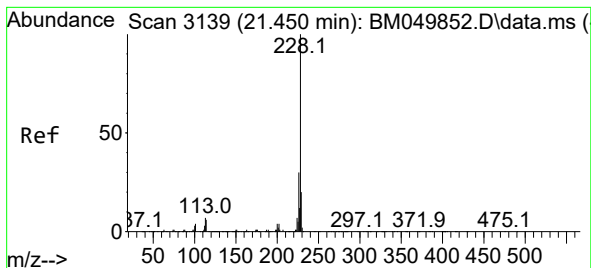
Tgt Ion:244 Resp: 5828516
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 7.1 5.4 8.0



#81
 Benzo(a)anthracene
 Concen: 3.268 ng
 RT: 21.380 min Scan# 3127
 Delta R.T. -0.006 min
 Lab File: BM049888.D
 Acq: 10 Apr 2025 17:25

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# 31

Delta R.T. -0.012 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

Instrument :

BNA_M

ClientSampleId :

TP-1

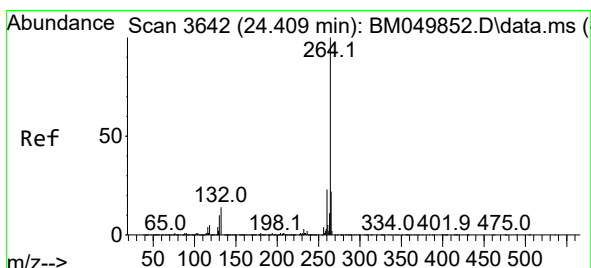
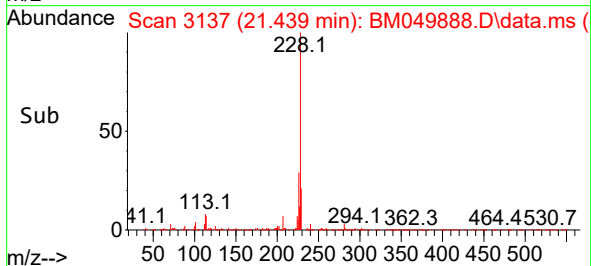
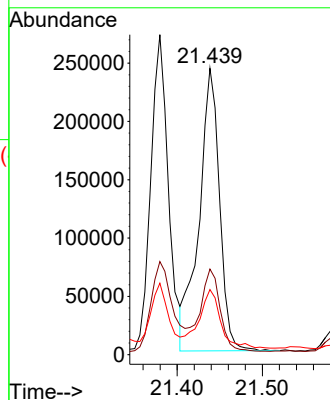
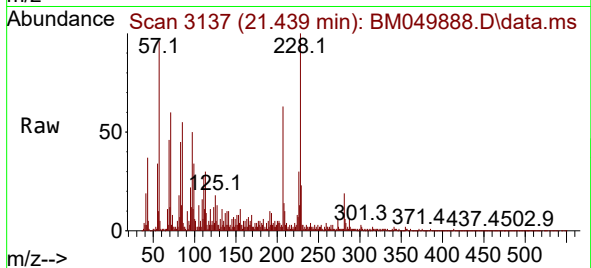
Tgt Ion:228 Resp: 405240

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# 3640

Delta R.T. -0.012 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

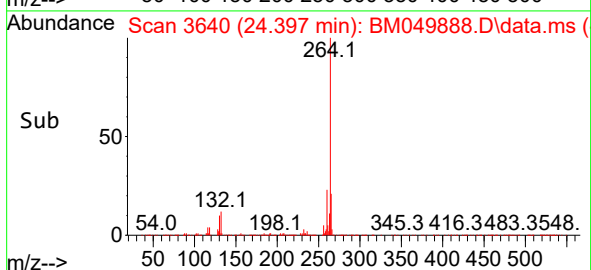
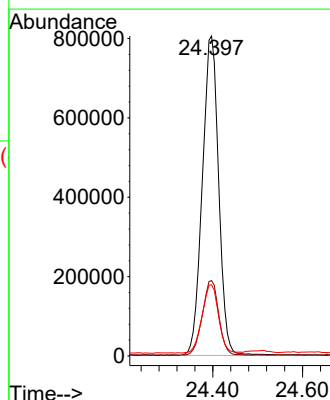
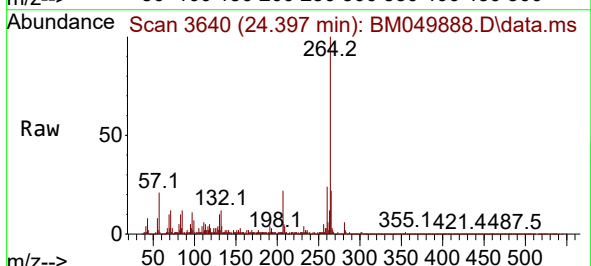
Tgt Ion:264 Resp: 2035925

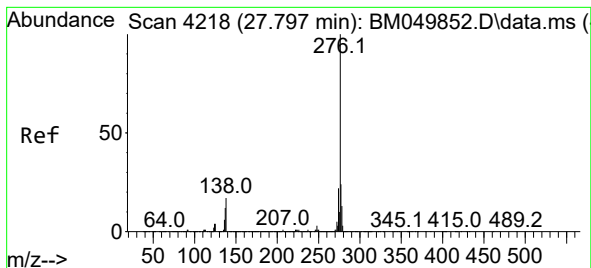
Ion Ratio Lower Upper

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# 41

Delta R.T. -0.035 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

Instrument :

BNA_M

ClientSampleId :

TP-1

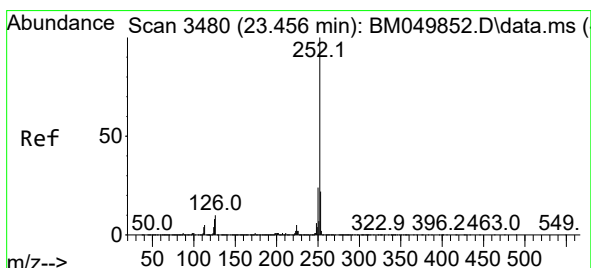
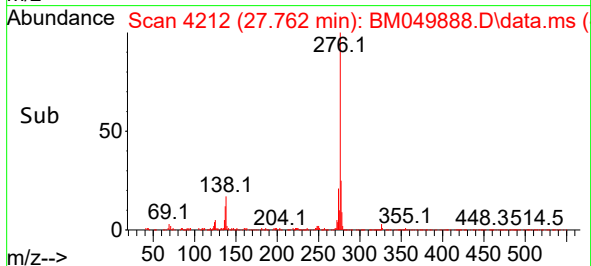
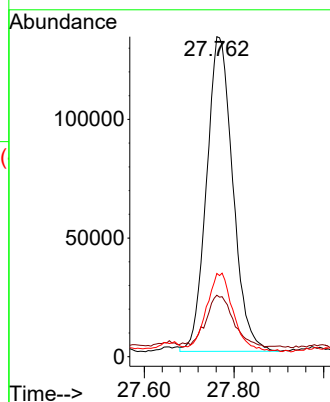
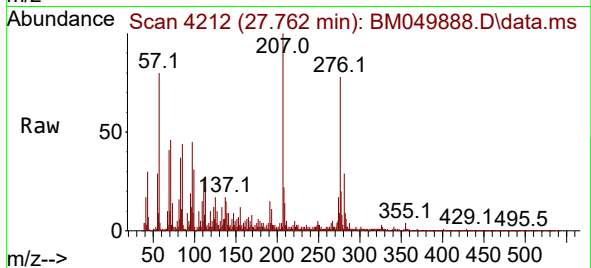
Tgt Ion:276 Resp: 538446

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# 3479

Delta R.T. -0.006 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

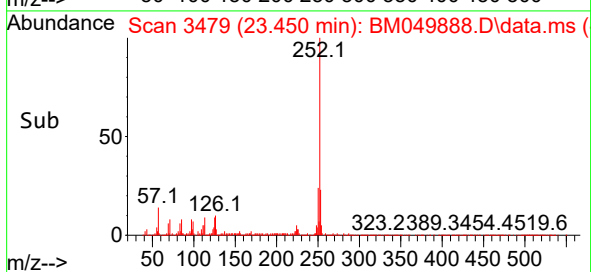
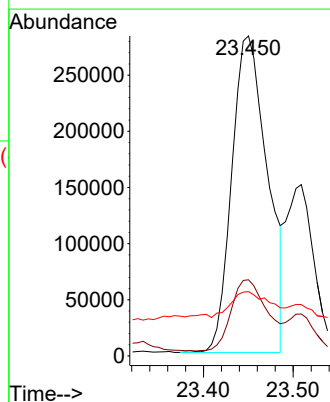
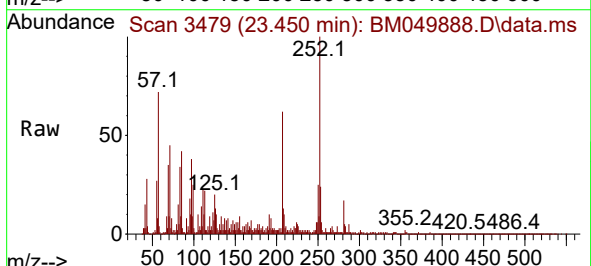
Tgt Ion:252 Resp: 777513

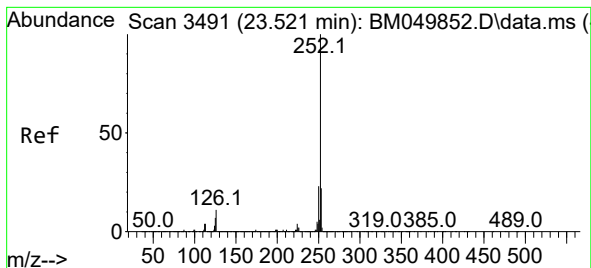
Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

125 20.1 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 2.553 ng m

RT: 23.509 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

Instrument :

BNA_M

ClientSampleId :

TP-1

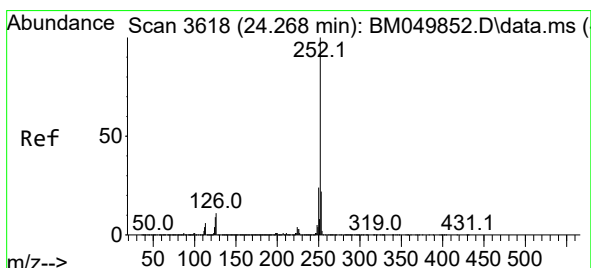
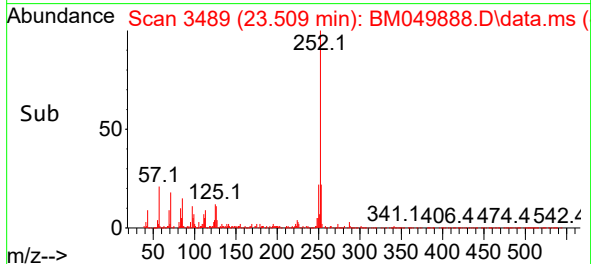
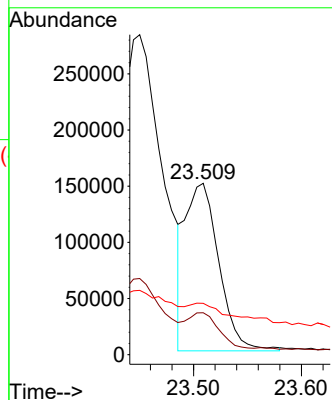
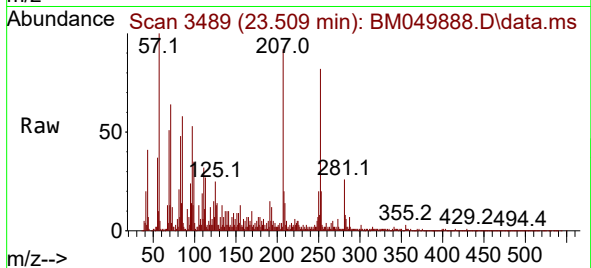
Tgt Ion:252 Resp: 321633

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# 3615

Delta R.T. -0.018 min

Lab File: BM049888.D

Acq: 10 Apr 2025 17:25

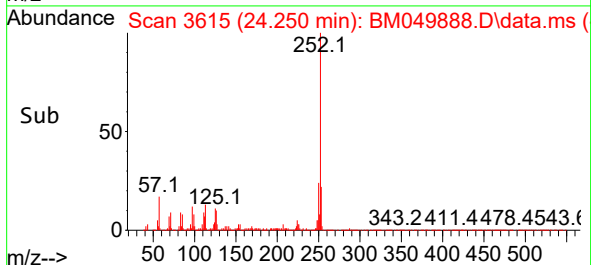
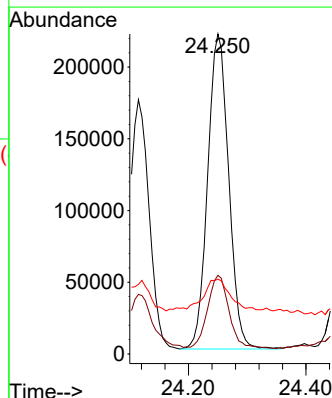
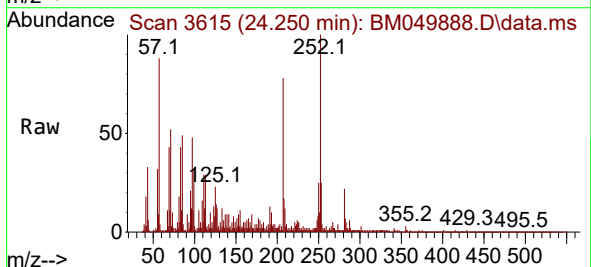
Tgt Ion:252 Resp: 545059

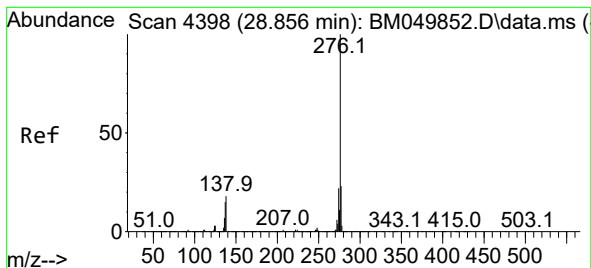
Ion Ratio Lower Upper

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# 41

Delta R.T. -0.035 min

Lab File: BM049888.D

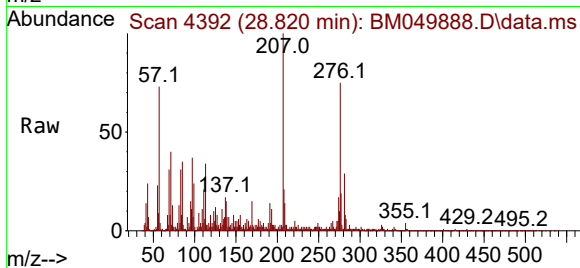
Acq: 10 Apr 2025 17:25

Instrument :

BNA_M

ClientSampleId :

TP-1



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

