

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
 Data File : BM049886.D
 Acq On : 10 Apr 2025 16:07
 Operator : RC/JU
 Sample : Q1754-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-1-CONCRETE

Quant Time: Apr 10 16:50:00 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)

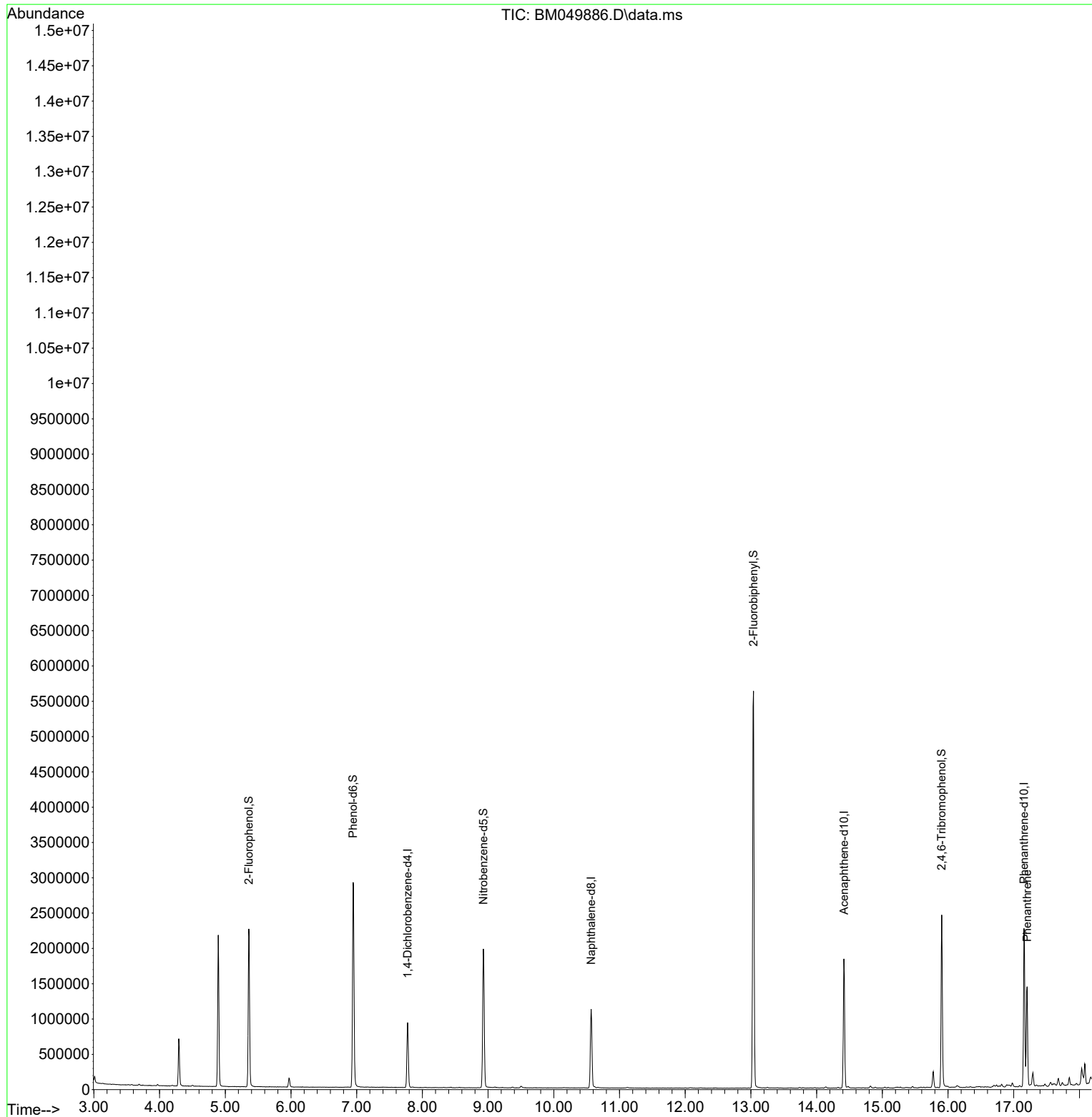
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	264899	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	946832	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	648627	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1337154	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1346188	20.000	ng	0.00
86) Perylene-d12	24.391	264	1433131	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	998429	64.002	ng	0.00
7) Phenol-d6	6.945	99	1739579	89.626	ng	0.00
23) Nitrobenzene-d5	8.928	82	1138664	66.967	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	456184	48.353	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	3142783	65.703	ng	0.00
79) Terphenyl-d14	19.786	244	5559937	77.401	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.204	178	888904	12.126	ng	100
75) Fluoranthene	19.215	202	1506578	16.715	ng	100
78) Pyrene	19.580	202	1720878	18.549	ng	100
81) Benzo(a)anthracene	21.380	228	664028	7.422	ng	99
83) Chrysene	21.439	228	655491	7.706	ng	98
87) Indeno(1,2,3-cd)pyrene	27.762	276	323676	3.030	ng	97
88) Benzo(b)fluoranthene	23.450	252	708613	7.742	ng	99
89) Benzo(k)fluoranthene	23.503	252	275745m	3.109	ng	
90) Benzo(a)pyrene	24.250	252	505557	6.286	ng	99
92) Benzo(g,h,i)perylene	28.809	276	386933	4.303	ng	98

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

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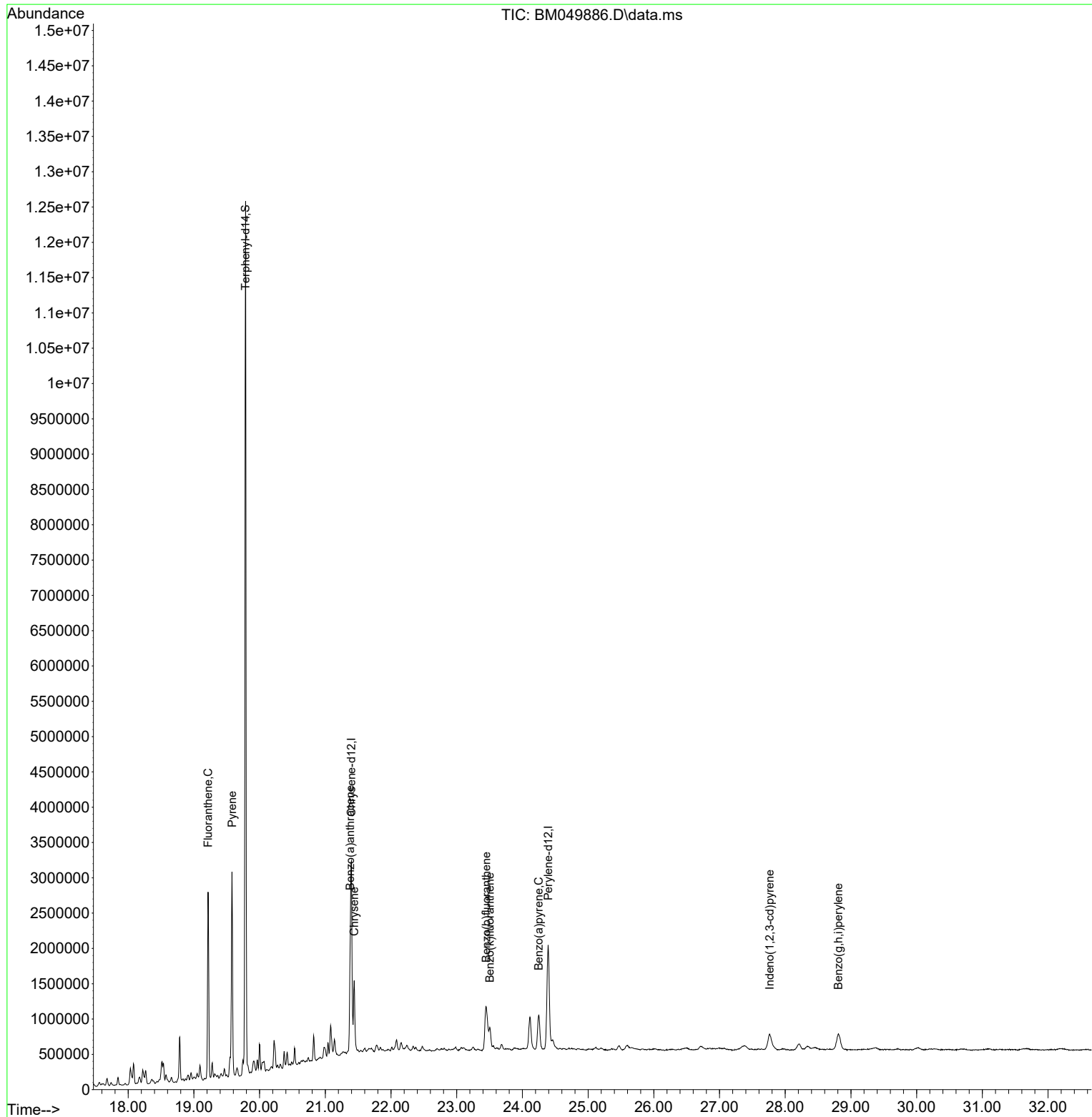
Quant Time: Apr 10 16:50:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
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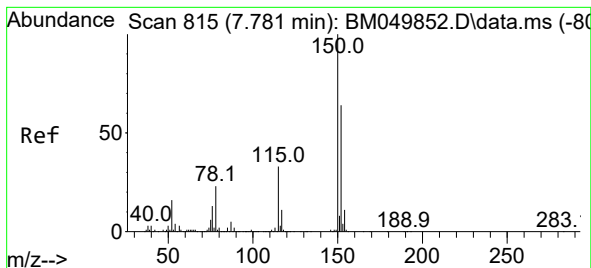


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
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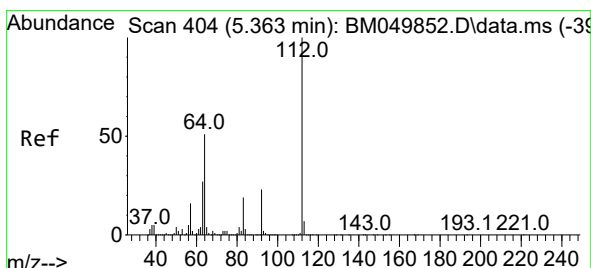
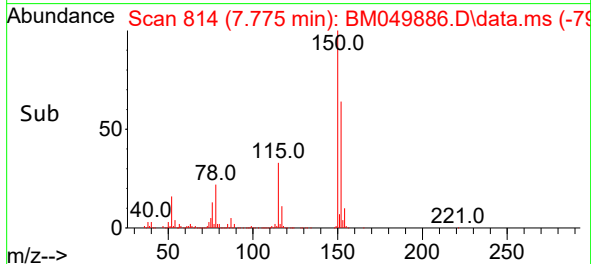
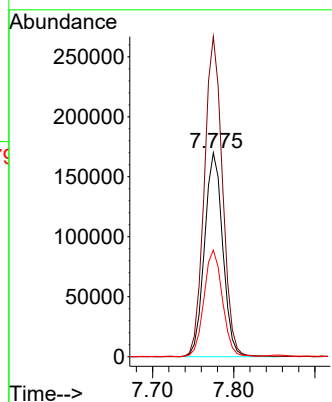
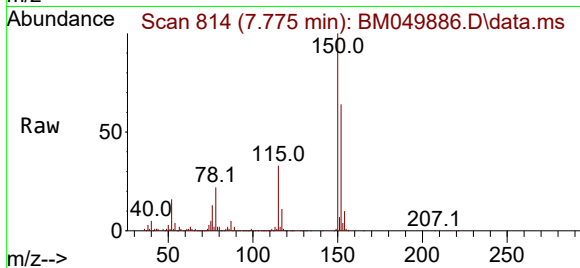




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM049886.D
Acq: 10 Apr 2025 16:07

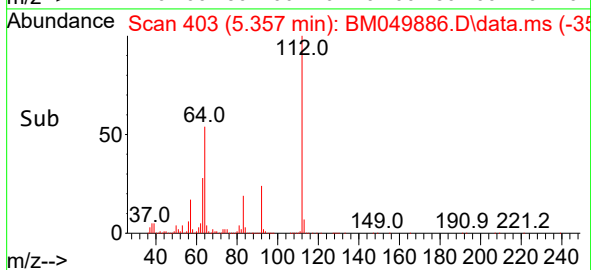
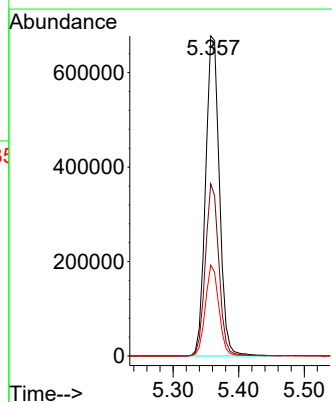
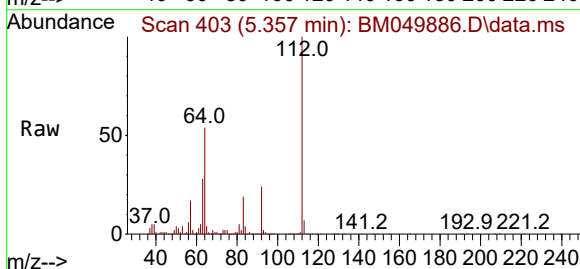
Instrument :
BNA_M
ClientSampleId :
TP-1-CONCRETE

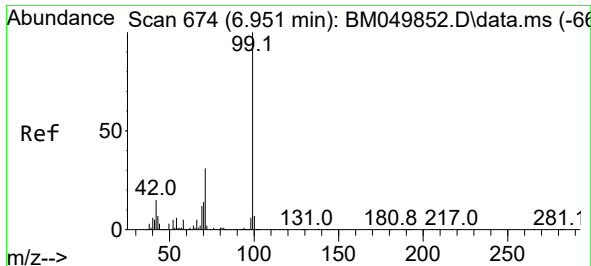
Tgt Ion:152 Resp: 264899
Ion Ratio Lower Upper
152 100
150 157.0 124.3 186.5
115 52.3 41.1 61.7



#5
2-Fluorophenol
Concen: 64.002 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049886.D
Acq: 10 Apr 2025 16:07

Tgt Ion:112 Resp: 998429
Ion Ratio Lower Upper
112 100
64 53.8 41.0 61.6
63 28.4 21.5 32.3

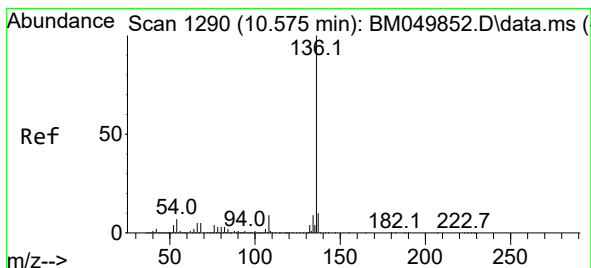
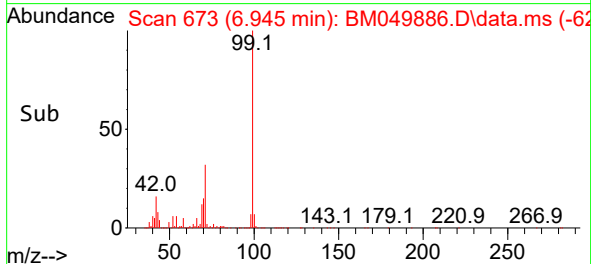
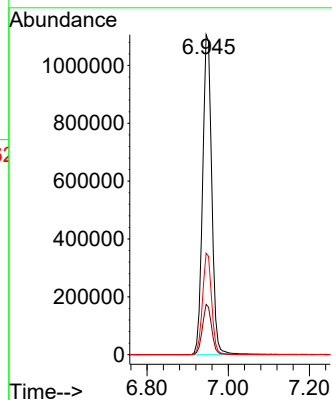
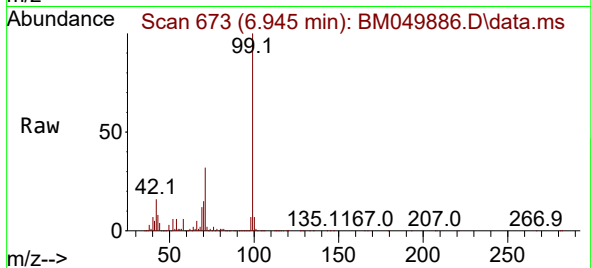




#7
Phenol-d6
Concen: 89.626 ng
RT: 6.945 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM049886.D
Acq: 10 Apr 2025 16:07

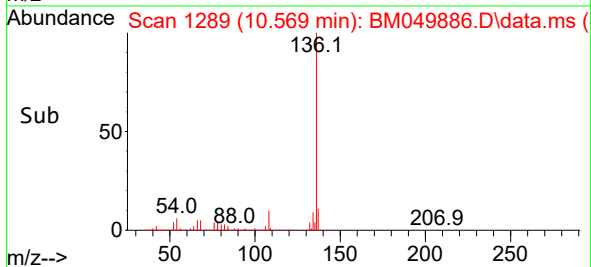
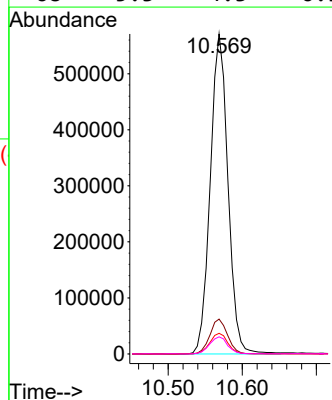
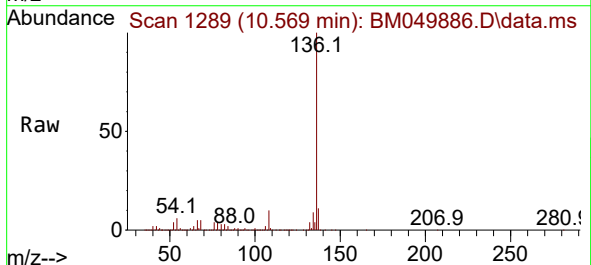
Instrument :
BNA_M
ClientSampleId :
TP-1-CONCRETE

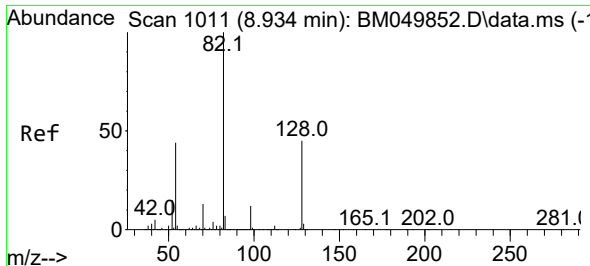
Tgt Ion: 99 Resp: 1739579
Ion Ratio Lower Upper
99 100
42 15.7 12.1 18.1
71 31.7 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049886.D
Acq: 10 Apr 2025 16:07

Tgt Ion: 136 Resp: 946832
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 6.4 5.3 7.9
68 5.3 4.3 6.5





#23

Nitrobenzene-d5

Concen: 66.967 ng

RT: 8.928 min Scan# 1010

Delta R.T. -0.006 min

Lab File: BM049886.D

Acq: 10 Apr 2025 16:07

Instrument :

BNA_M

ClientSampleId :

TP-1-CONCRETE

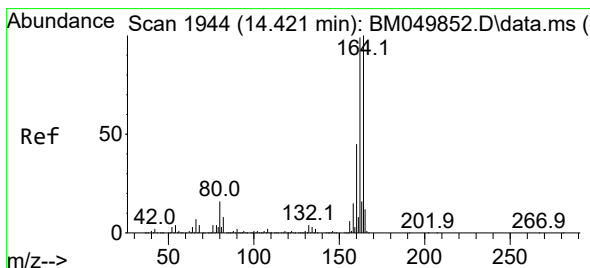
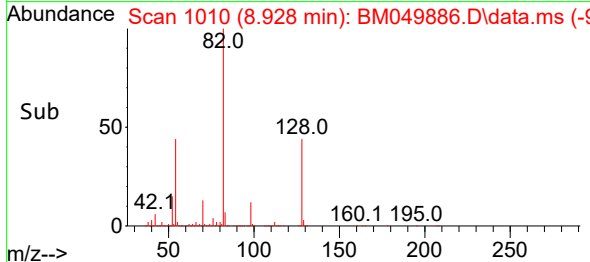
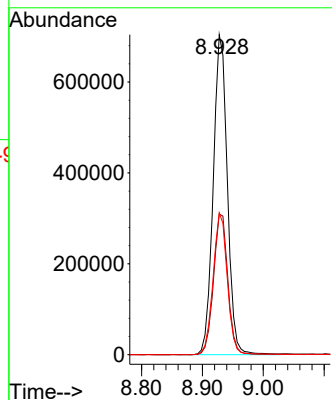
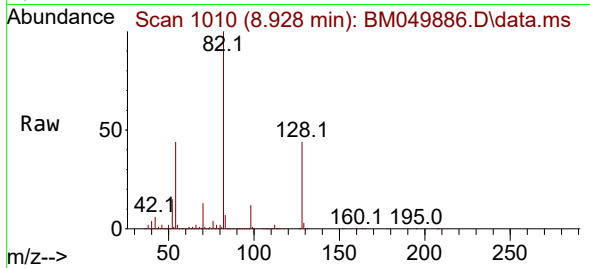
Tgt Ion: 82 Resp: 1138664

Ion Ratio Lower Upper

82 100

128 44.0 36.2 54.2

54 44.4 35.0 52.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.416 min Scan# 1943

Delta R.T. -0.006 min

Lab File: BM049886.D

Acq: 10 Apr 2025 16:07

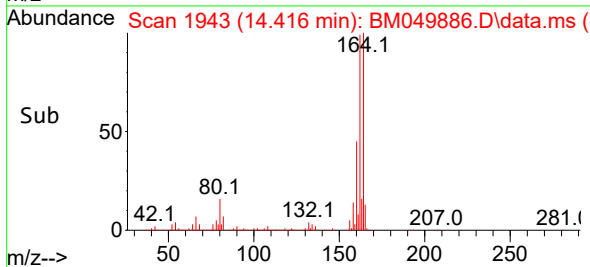
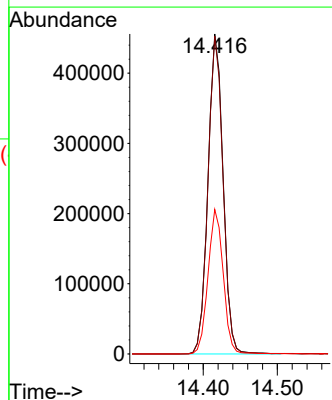
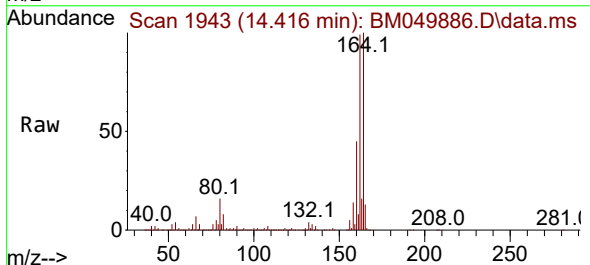
Tgt Ion:164 Resp: 648627

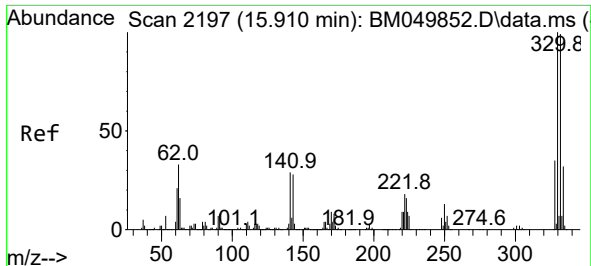
Ion Ratio Lower Upper

164 100

162 99.4 79.4 119.0

160 45.2 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 48.353 ng

RT: 15.904 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049886.D

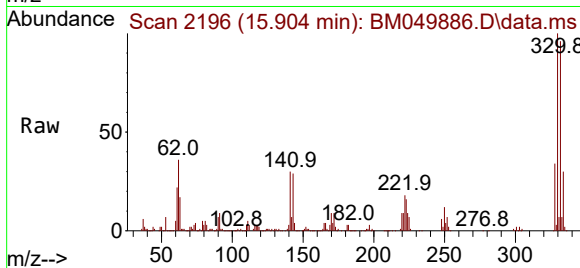
Acq: 10 Apr 2025 16:07

Instrument :

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TP-1-CONCRETE



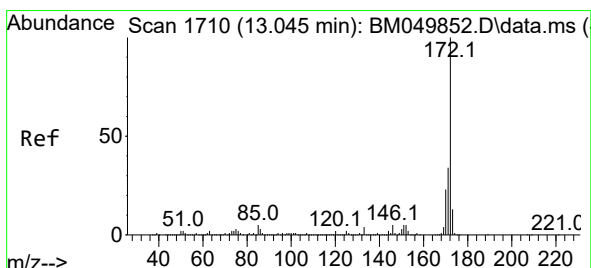
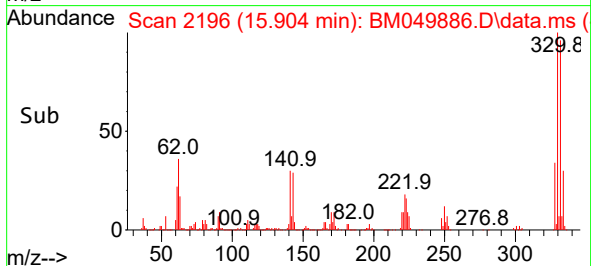
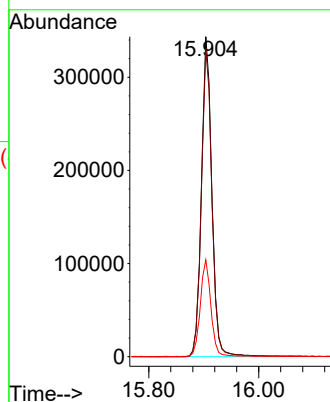
Tgt Ion:330 Resp: 456184

Ion Ratio Lower Upper

330 100

332 96.6 78.0 117.0

141 30.6 23.5 35.3



#45

2-Fluorobiphenyl

Concen: 65.703 ng

RT: 13.039 min Scan# 1709

Delta R.T. -0.006 min

Lab File: BM049886.D

Acq: 10 Apr 2025 16:07

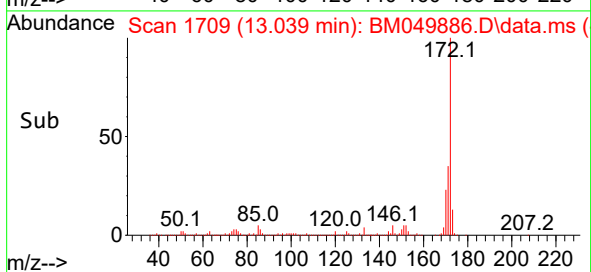
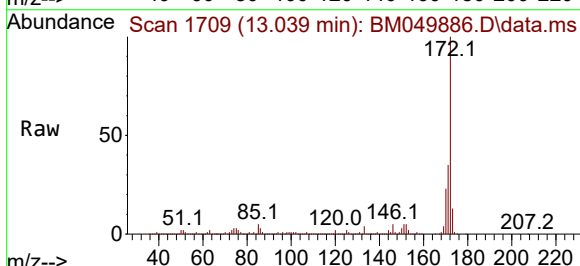
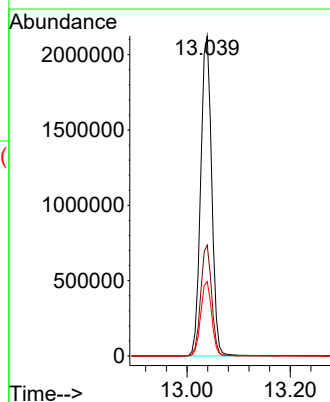
Tgt Ion:172 Resp: 3142783

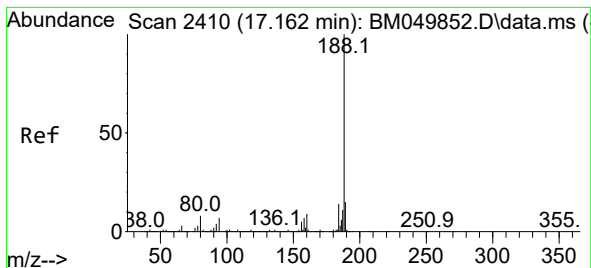
Ion Ratio Lower Upper

172 100

171 34.6 27.4 41.2

170 23.2 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2410

Delta R.T. -0.006 min

Lab File: BM049886.D

Acq: 10 Apr 2025 16:07

Instrument :

BNA_M

ClientSampleId :

TP-1-CONCRETE

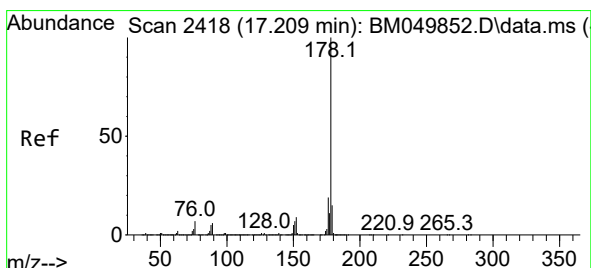
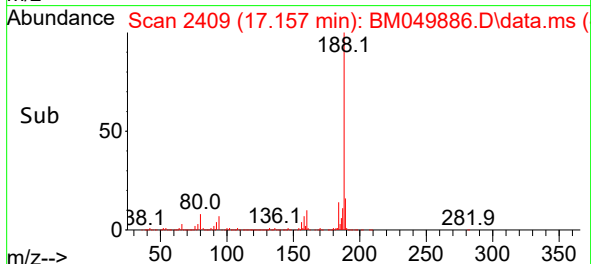
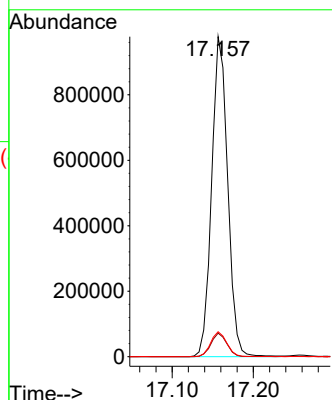
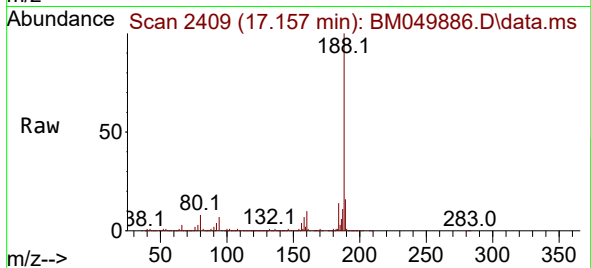
Tgt Ion:188 Resp: 1337154

Ion Ratio Lower Upper

188 100

94 7.4 5.8 8.6

80 7.8 6.4 9.6



#71

Phenanthrene

Concen: 12.126 ng

RT: 17.204 min Scan# 2417

Delta R.T. -0.006 min

Lab File: BM049886.D

Acq: 10 Apr 2025 16:07

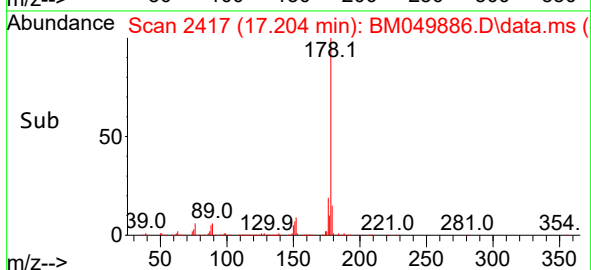
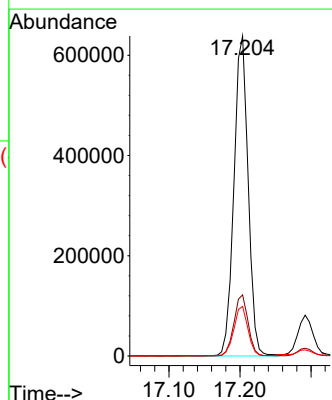
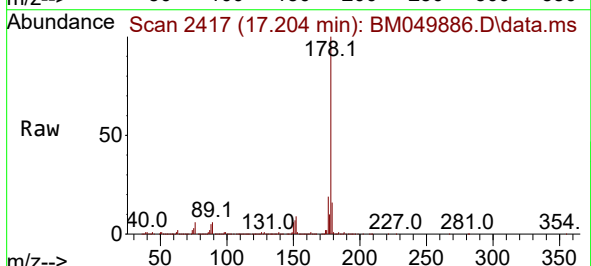
Tgt Ion:178 Resp: 888904

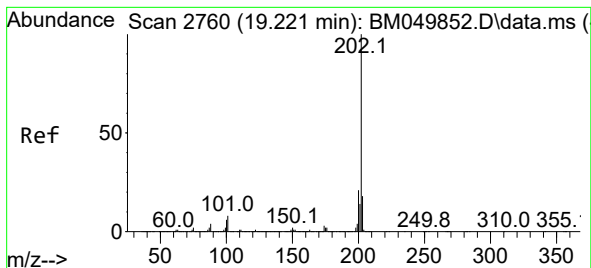
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.5 12.3 18.5





#75

Fluoranthene

Concen: 16.715 ng

RT: 19.215 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049886.D

Acq: 10 Apr 2025 16:07

Instrument :

BNA_M

ClientSampleId :

TP-1-CONCRETE

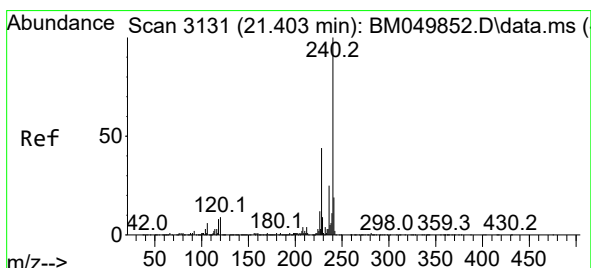
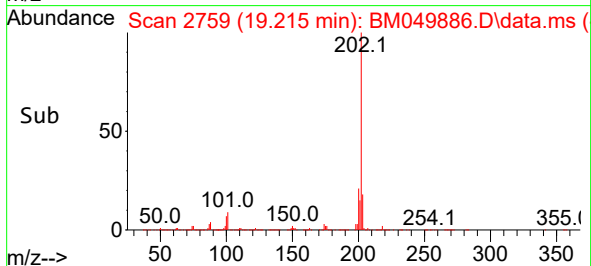
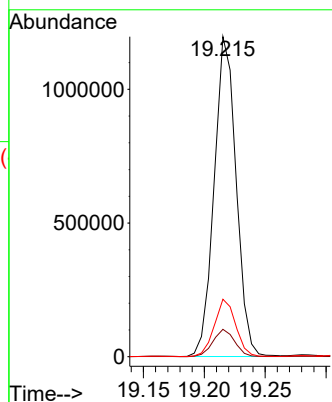
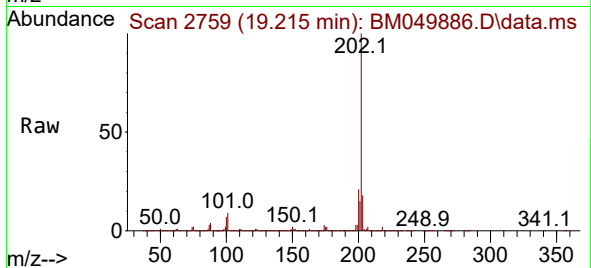
Tgt Ion:202 Resp: 1506578

Ion Ratio Lower Upper

202 100

101 8.6 0.0 28.4

203 17.9 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: BM049886.D

Acq: 10 Apr 2025 16:07

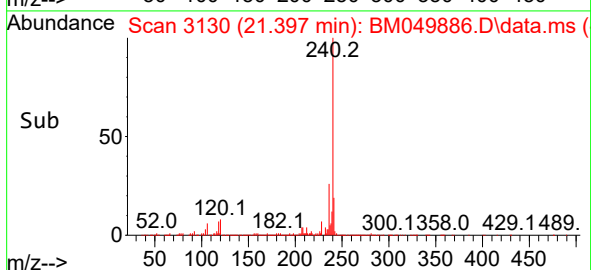
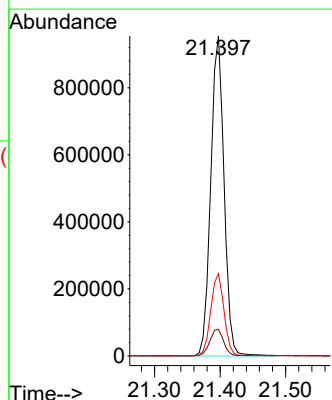
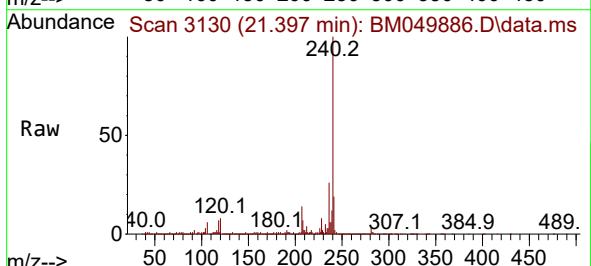
Tgt Ion:240 Resp: 1346188

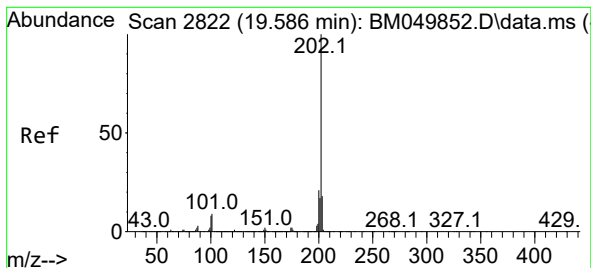
Ion Ratio Lower Upper

240 100

120 8.3 6.9 10.3

236 25.7 20.4 30.6





#78

Pyrene

Concen: 18.549 ng

RT: 19.580 min Scan# 2822

Delta R.T. -0.006 min

Lab File: BM049886.D

Acq: 10 Apr 2025 16:07

Instrument :

BNA_M

ClientSampleId :

TP-1-CONCRETE

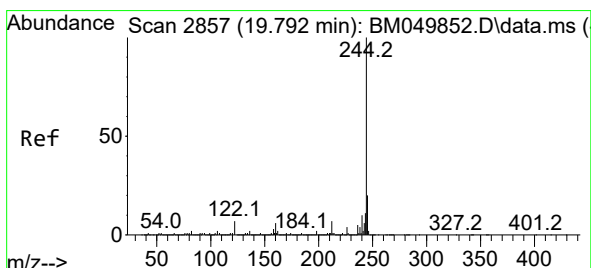
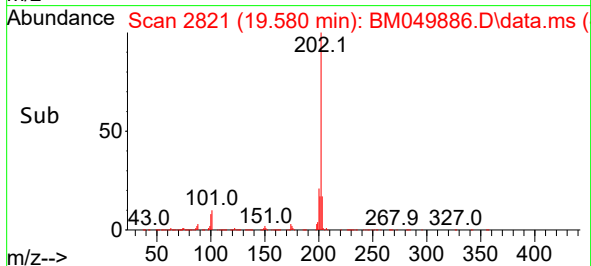
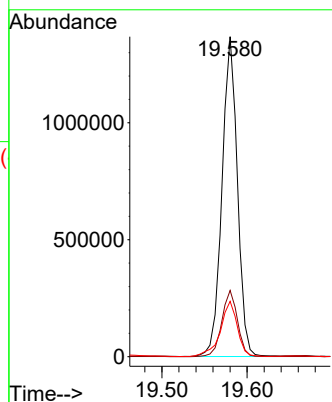
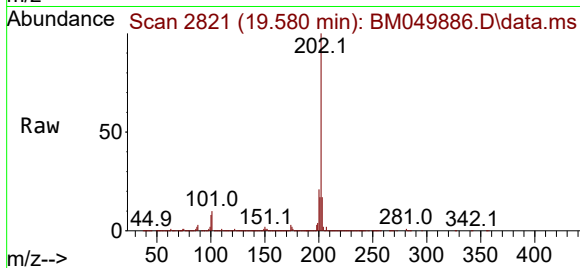
Tgt Ion:202 Resp: 1720878

Ion Ratio Lower Upper

202 100

200 20.7 16.5 24.7

203 17.3 14.0 21.0



#79

Terphenyl-d14

Concen: 77.401 ng

RT: 19.786 min Scan# 2856

Delta R.T. -0.006 min

Lab File: BM049886.D

Acq: 10 Apr 2025 16:07

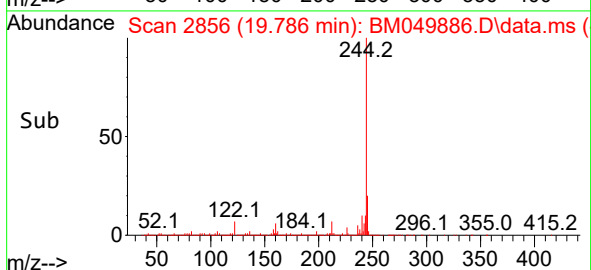
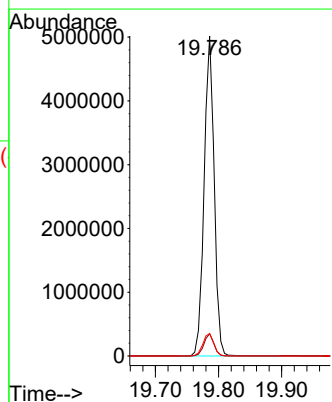
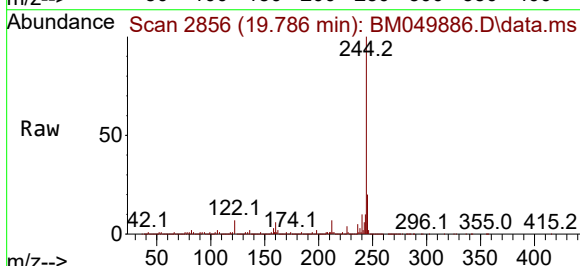
Tgt Ion:244 Resp: 5559937

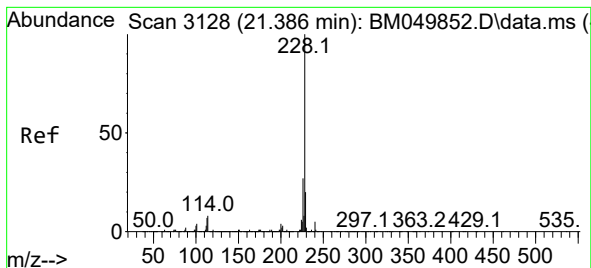
Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 7.0 5.4 8.0





#81

Benzo(a)anthracene

Concen: 7.422 ng

RT: 21.380 min Scan# 3128

Delta R.T. -0.006 min

Lab File: BM049886.D

Acq: 10 Apr 2025 16:07

Instrument :

BNA_M

ClientSampleId :

TP-1-CONCRETE

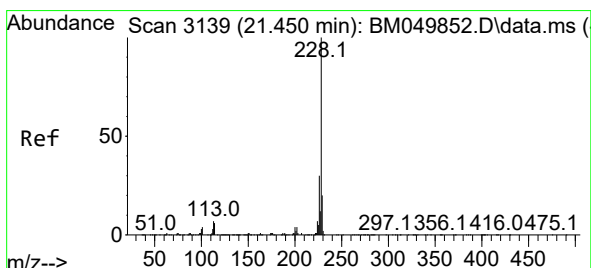
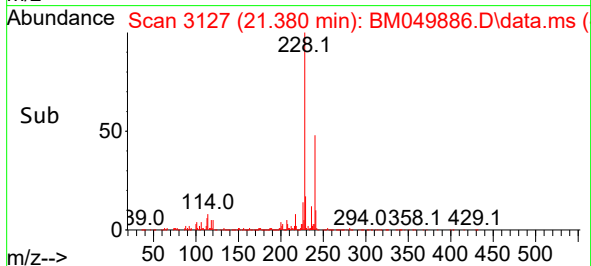
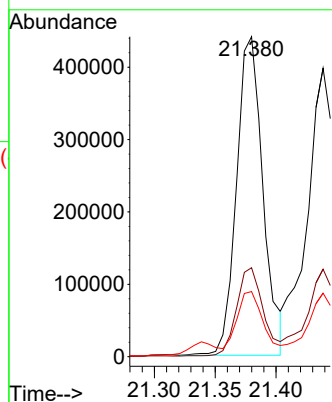
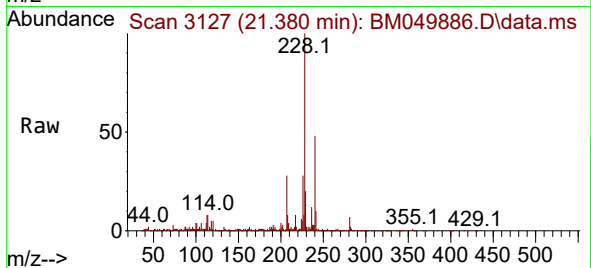
Tgt Ion:228 Resp: 664028

Ion Ratio Lower Upper

228 100

226 27.8 21.8 32.8

229 20.3 15.8 23.8



#83

Chrysene

Concen: 7.706 ng

RT: 21.439 min Scan# 3137

Delta R.T. -0.012 min

Lab File: BM049886.D

Acq: 10 Apr 2025 16:07

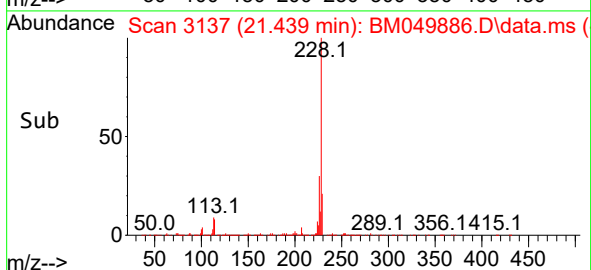
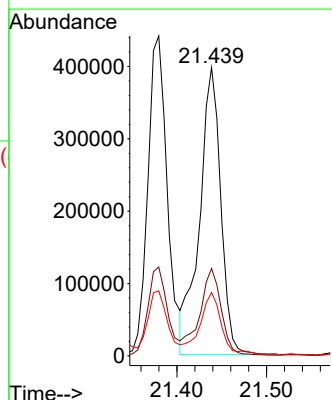
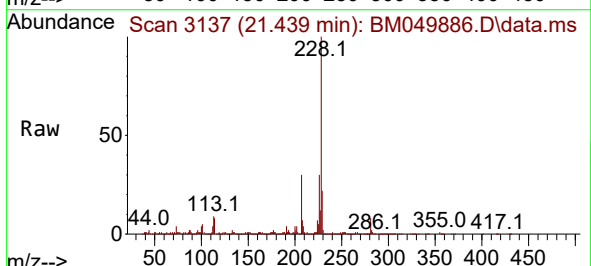
Tgt Ion:228 Resp: 655491

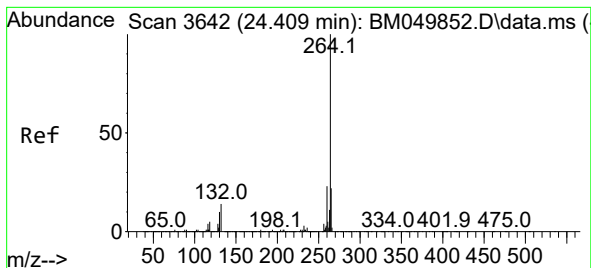
Ion Ratio Lower Upper

228 100

226 30.4 24.1 36.1

229 22.0 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: BM049886.D

Acq: 10 Apr 2025 16:07

Instrument :

BNA_M

ClientSampleId :

TP-1-CONCRETE

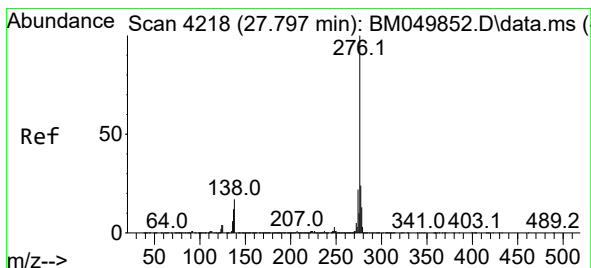
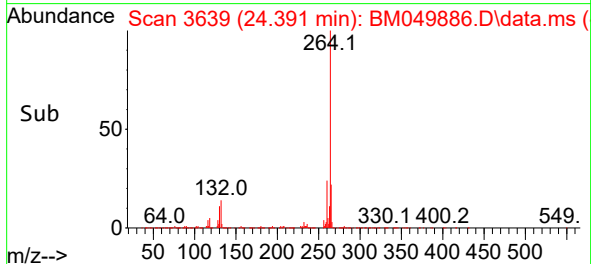
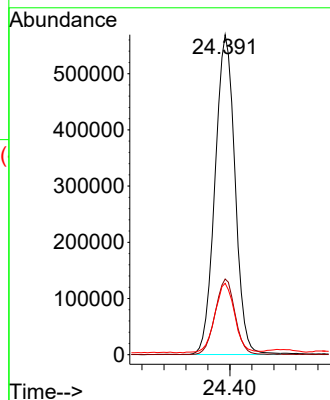
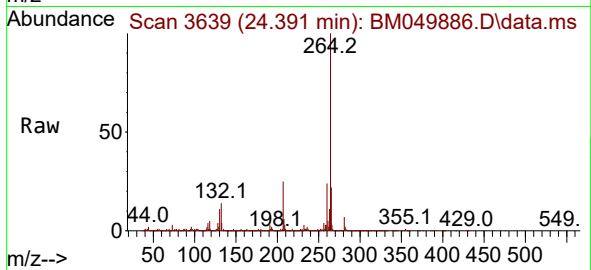
Tgt Ion:264 Resp: 1433131

Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 22.3 17.8 26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.030 ng

RT: 27.762 min Scan# 4212

Delta R.T. -0.035 min

Lab File: BM049886.D

Acq: 10 Apr 2025 16:07

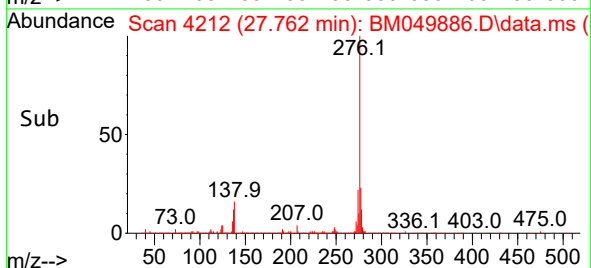
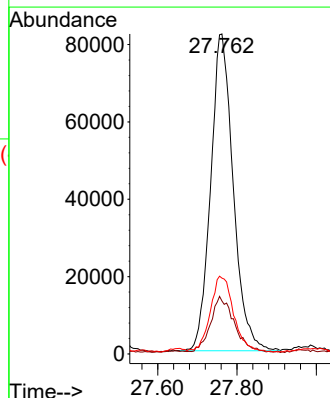
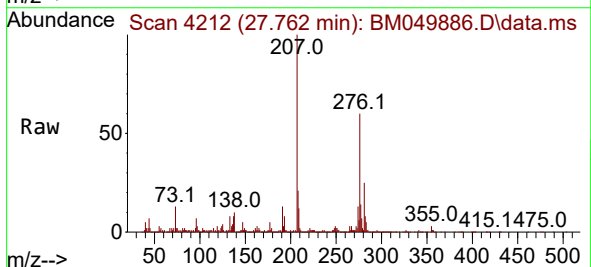
Tgt Ion:276 Resp: 323676

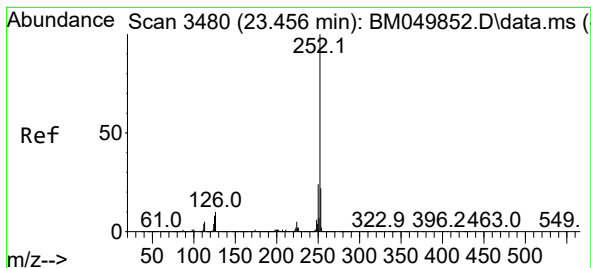
Ion Ratio Lower Upper

276 100

138 18.2 16.8 25.2

277 24.9 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 7.742 ng

RT: 23.450 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM049886.D

Acq: 10 Apr 2025 16:07

Instrument :

BNA_M

ClientSampleId :

TP-1-CONCRETE

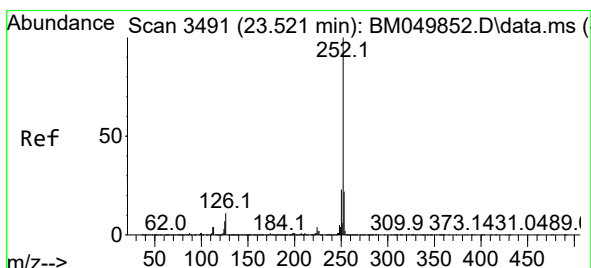
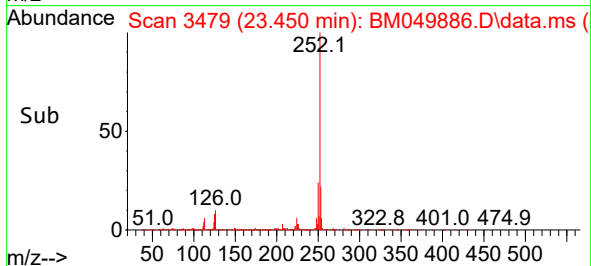
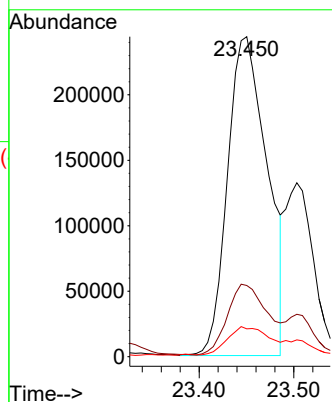
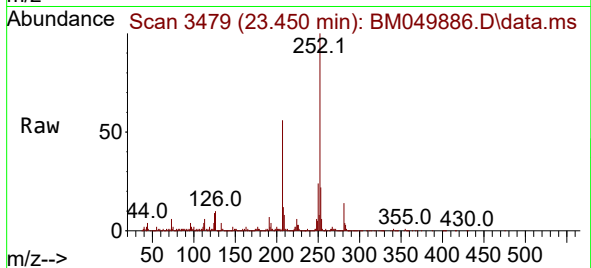
Tgt Ion:252 Resp: 708613

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 8.7 6.2 9.4



#89

Benzo(k)fluoranthene

Concen: 3.109 ng m

RT: 23.503 min Scan# 3488

Delta R.T. -0.018 min

Lab File: BM049886.D

Acq: 10 Apr 2025 16:07

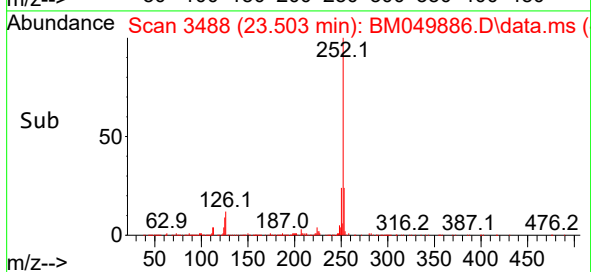
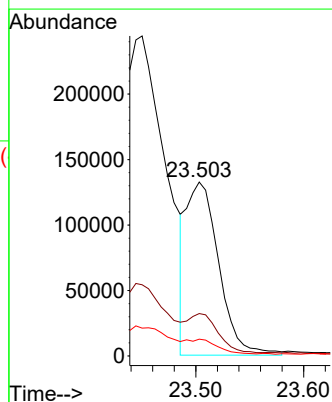
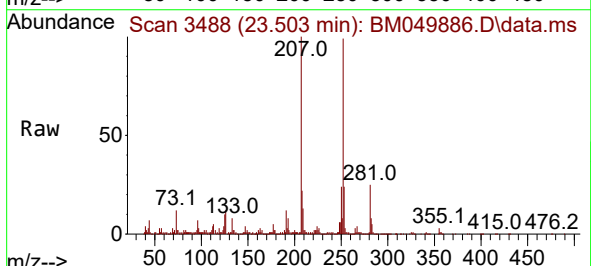
Tgt Ion:252 Resp: 275745

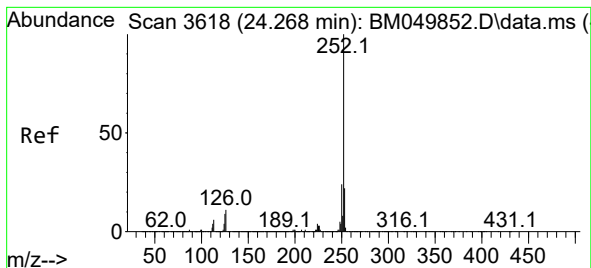
Ion Ratio Lower Upper

252 100

253 24.4 17.4 26.2

125 9.7 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 6.286 ng

RT: 24.250 min Scan# 30

Delta R.T. -0.018 min

Lab File: BM049886.D

Acq: 10 Apr 2025 16:07

Instrument :

BNA_M

ClientSampleId :

TP-1-CONCRETE

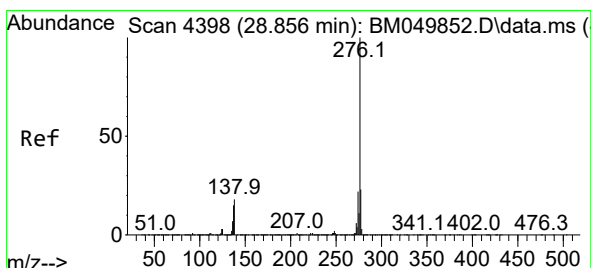
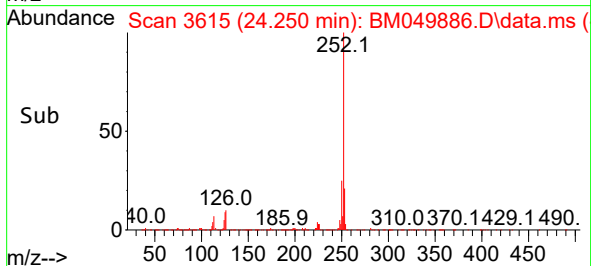
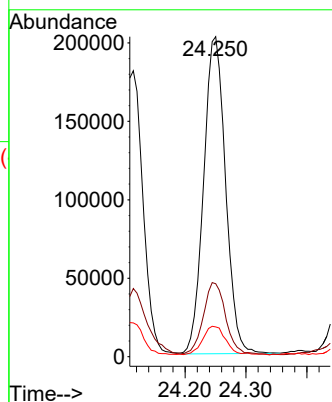
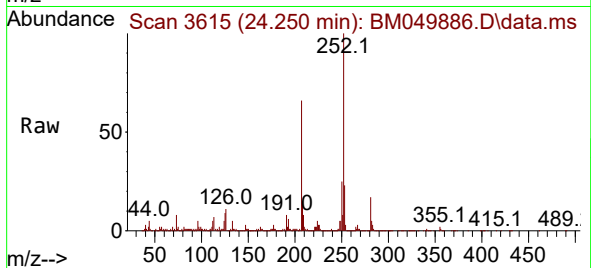
Tgt Ion:252 Resp: 505557

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

125 9.3 7.0 10.4



#92

Benzo(g,h,i)perylene

Concen: 4.303 ng

RT: 28.809 min Scan# 4390

Delta R.T. -0.047 min

Lab File: BM049886.D

Acq: 10 Apr 2025 16:07

Tgt Ion:276 Resp: 386933

Ion Ratio Lower Upper

276 100

277 24.8 18.7 28.1

138 18.9 14.6 21.8

