

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
 Data File : BM049883.D
 Acq On : 10 Apr 2025 14:10
 Operator : RC/JU
 Sample : Q1752-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-3

Quant Time: Apr 10 14:49:58 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

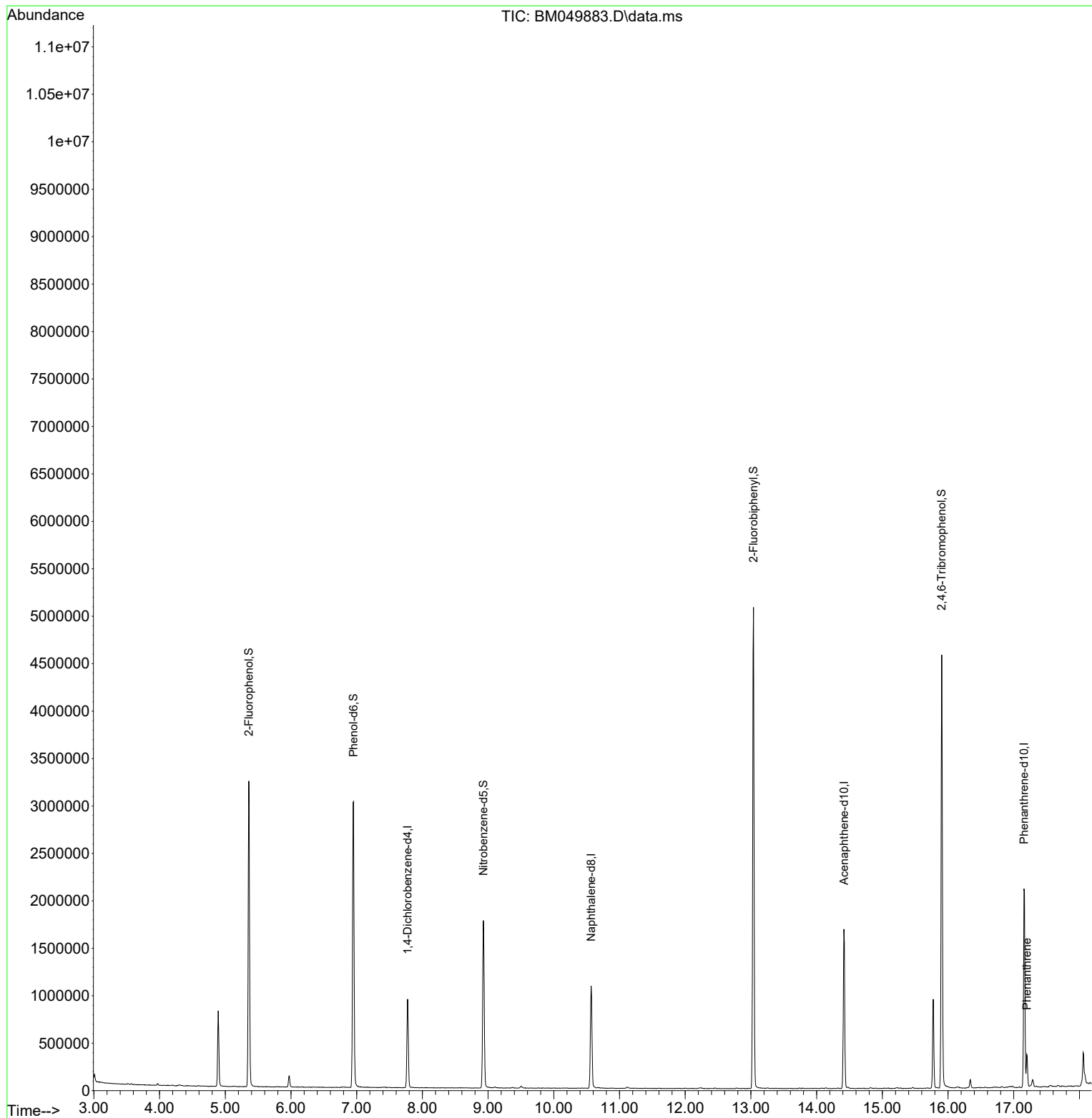
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	268795	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	917211	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	626290	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1279418	20.000	ng	0.00
76) Chrysene-d12	21.392	240	1266569	20.000	ng	-0.01
86) Perylene-d12	24.392	264	1376287	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1423242	89.911	ng	0.00
7) Phenol-d6	6.951	99	1825174	92.673	ng	0.00
23) Nitrobenzene-d5	8.928	82	1015736	61.667	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	877982	96.380	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	2675548	57.930	ng	0.00
79) Terphenyl-d14	19.786	244	4265995	63.121	ng	0.00
Target Compounds						
71) Phenanthrene	17.198	178	209671	2.989	ng	99
75) Fluoranthene	19.215	202	492580	5.711	ng	99
78) Pyrene	19.580	202	461214	5.284	ng	99
81) Benzo(a)anthracene	21.374	228	215582	2.561	ng	99
83) Chrysene	21.439	228	207730	2.596	ng	96
88) Benzo(b)fluoranthene	23.445	252	304718	3.467	ng	# 97
90) Benzo(a)pyrene	24.244	252	197329	2.555	ng	# 98

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

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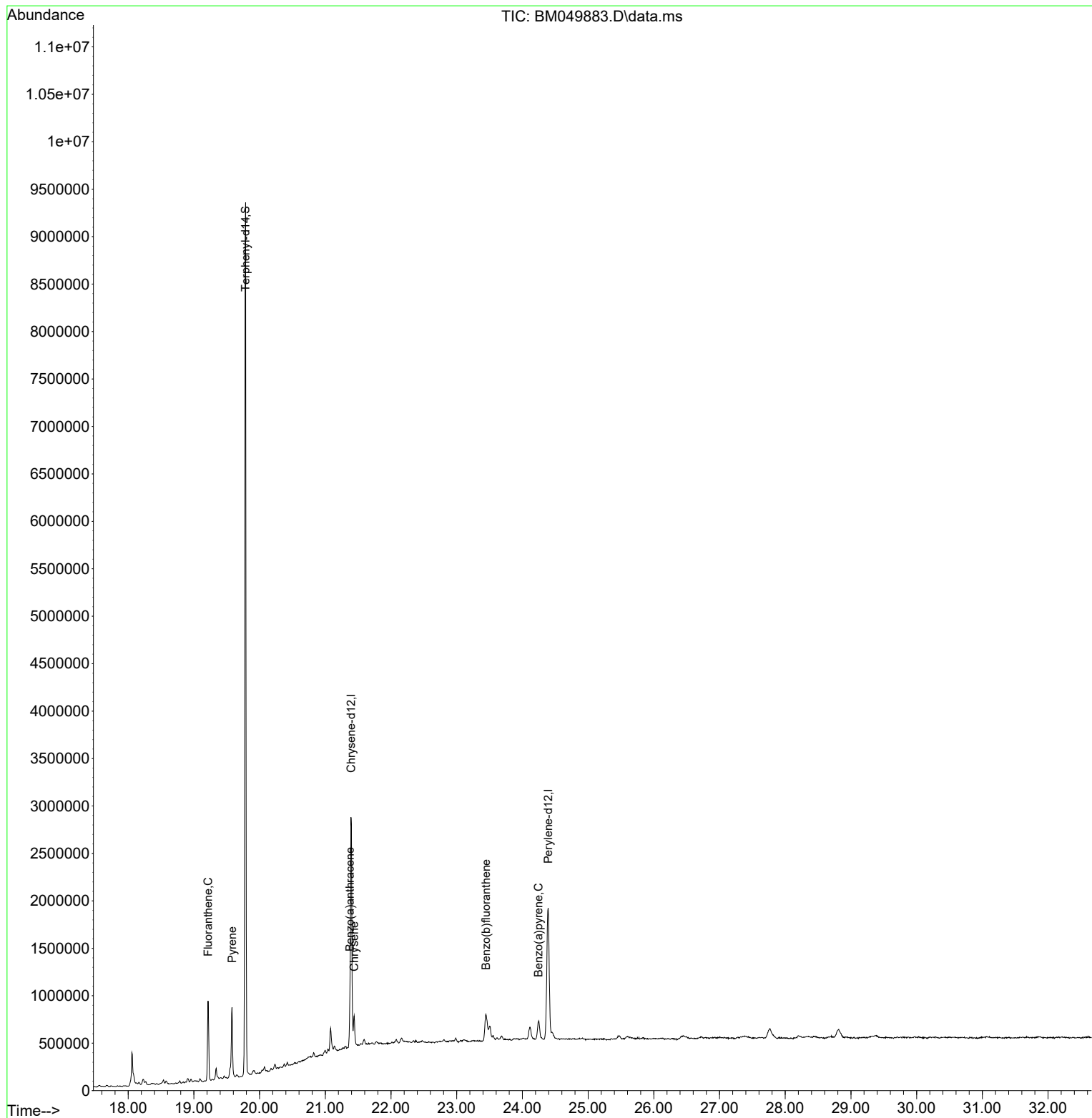
Quant Time: Apr 10 14:49:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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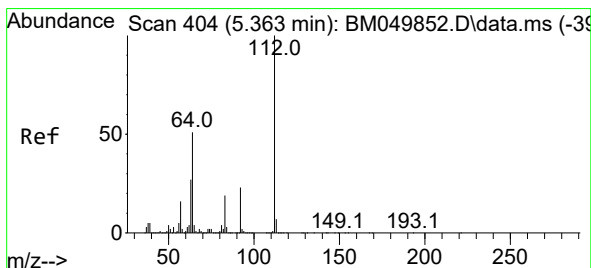
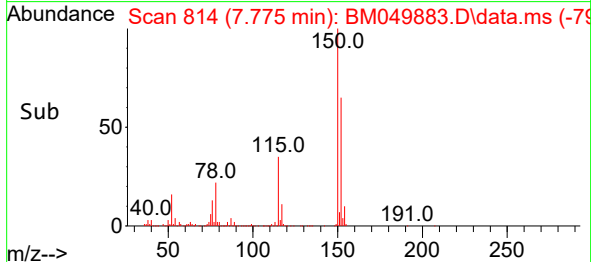
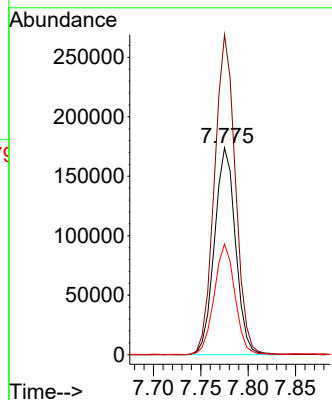
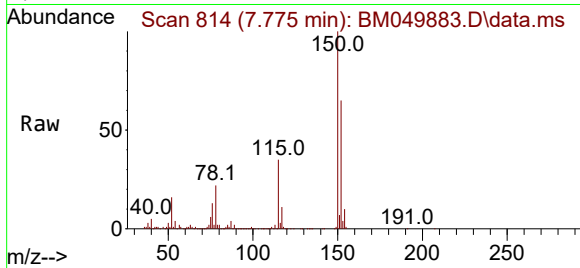




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM049883.D
Acq: 10 Apr 2025 14:10

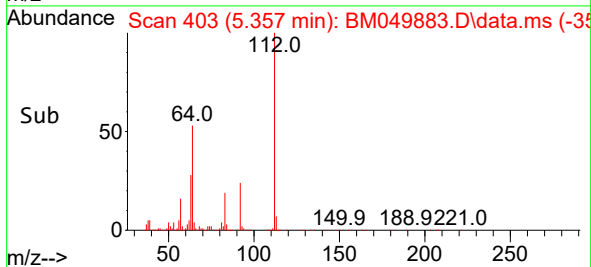
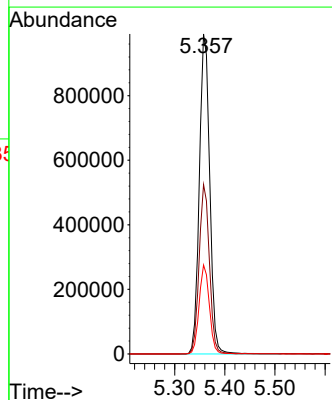
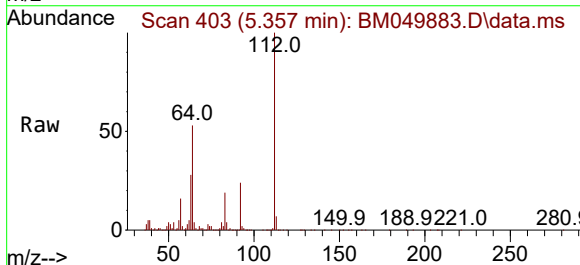
Instrument :
BNA_M
ClientSampleId :
TP-3

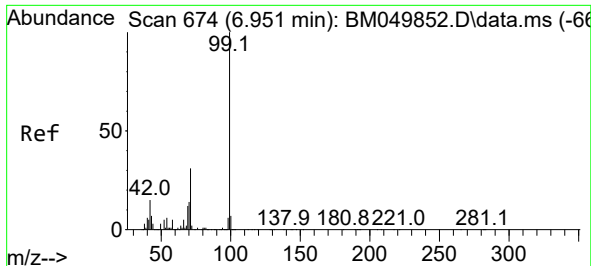
Tgt Ion:152 Resp: 268795
Ion Ratio Lower Upper
152 100
150 154.6 124.3 186.5
115 53.5 41.1 61.7



#5
2-Fluorophenol
Concen: 89.911 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049883.D
Acq: 10 Apr 2025 14:10

Tgt Ion:112 Resp: 1423242
Ion Ratio Lower Upper
112 100
64 52.9 41.0 61.6
63 27.8 21.5 32.3

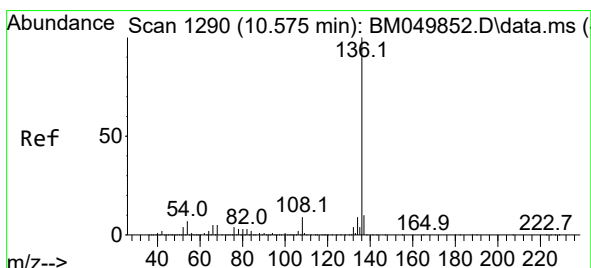
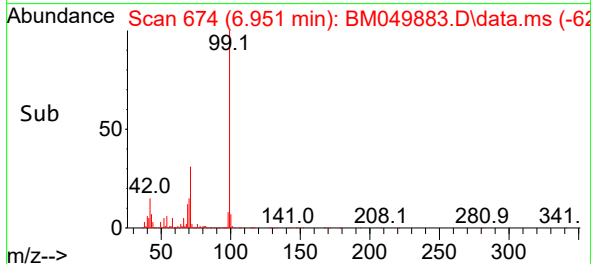
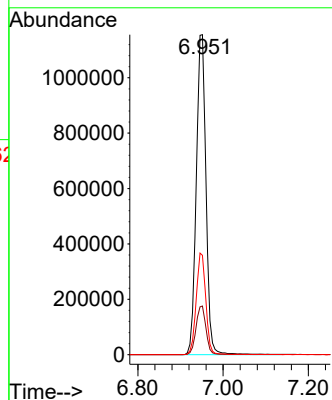
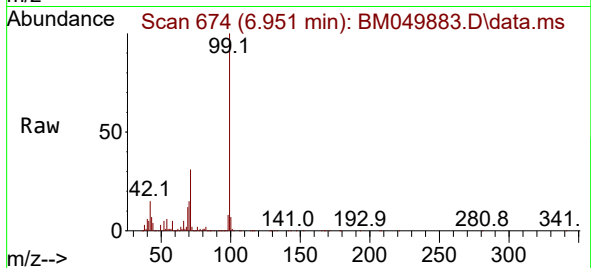




#7
Phenol-d6
Concen: 92.673 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049883.D
Acq: 10 Apr 2025 14:10

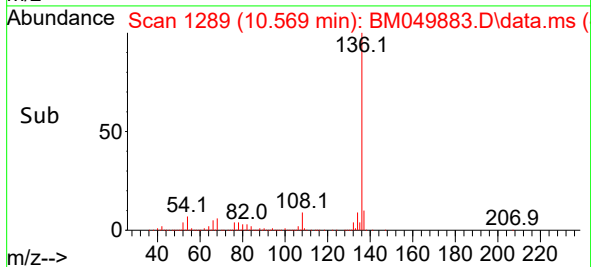
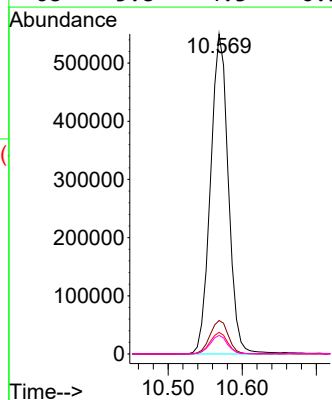
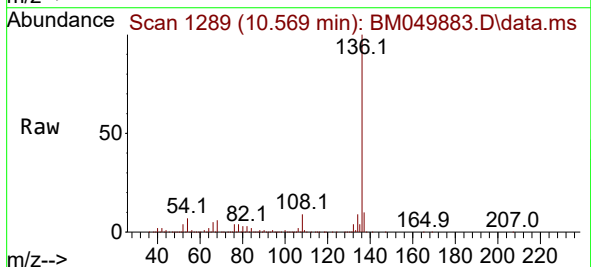
Instrument :
BNA_M
ClientSampleId :
TP-3

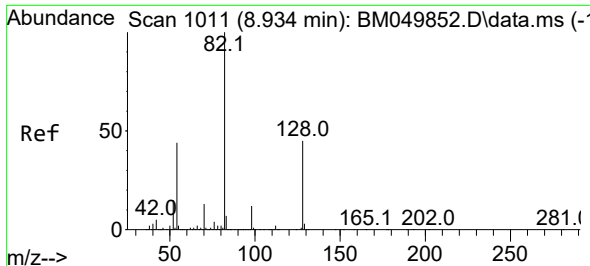
Tgt Ion: 99 Resp: 1825174
Ion Ratio Lower Upper
99 100
42 15.2 12.1 18.1
71 31.0 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049883.D
Acq: 10 Apr 2025 14:10

Tgt Ion: 136 Resp: 917211
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 6.7 5.3 7.9
68 5.8 4.3 6.5





#23

Nitrobenzene-d5

Concen: 61.667 ng

RT: 8.928 min Scan# 1010

Delta R.T. -0.006 min

Lab File: BM049883.D

Acq: 10 Apr 2025 14:10

Instrument :

BNA_M

ClientSampleId :

TP-3

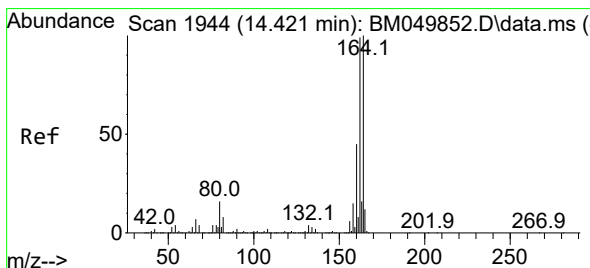
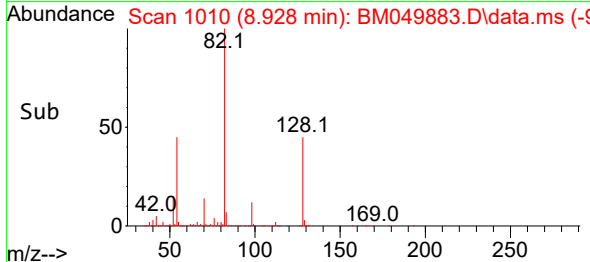
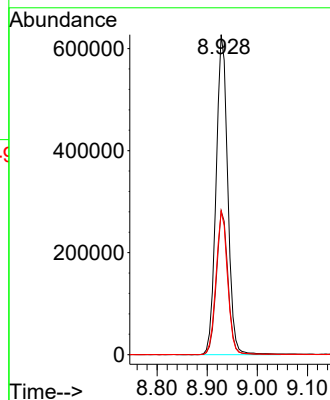
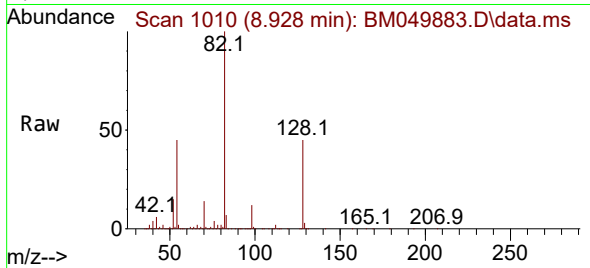
Tgt Ion: 82 Resp: 1015736

Ion Ratio Lower Upper

82 100

128 45.0 36.2 54.2

54 44.8 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: BM049883.D

Acq: 10 Apr 2025 14:10

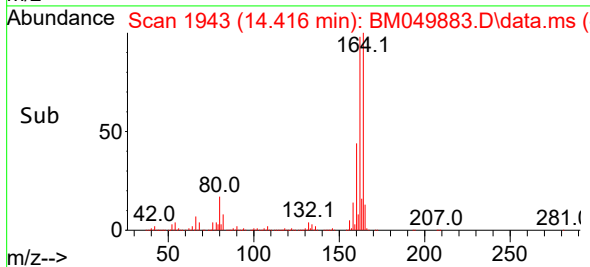
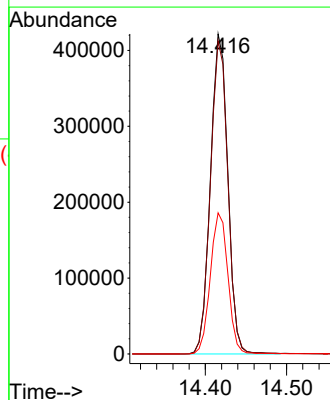
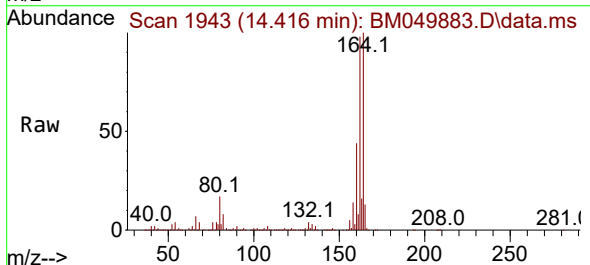
Tgt Ion:164 Resp: 626290

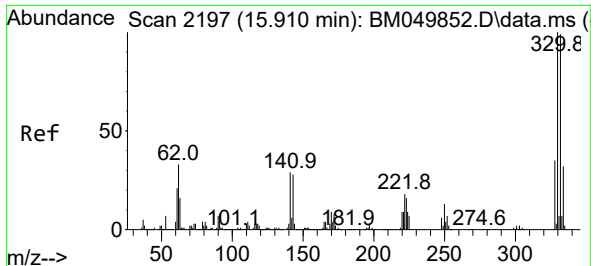
Ion Ratio Lower Upper

164 100

162 97.9 79.4 119.0

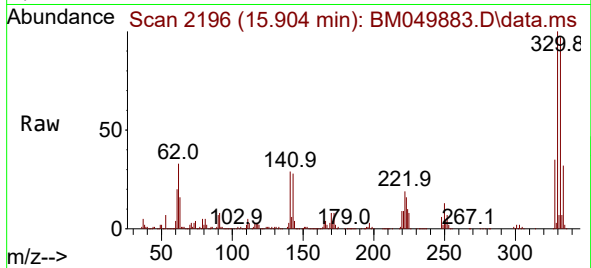
160 44.1 36.2 54.2



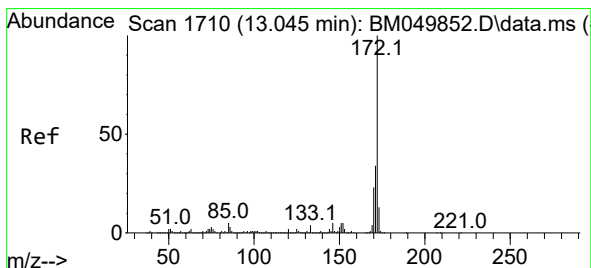
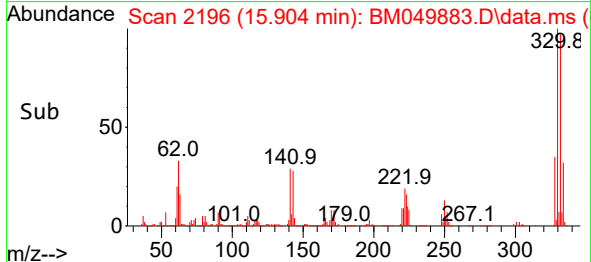
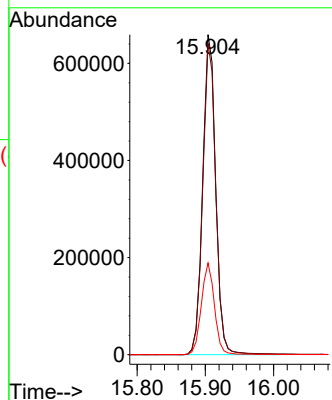


#42
2,4,6-Tribromophenol
Concen: 96.380 ng
RT: 15.904 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BM049883.D
Acq: 10 Apr 2025 14:10

Instrument :
BNA_M
ClientSampleId :
TP-3

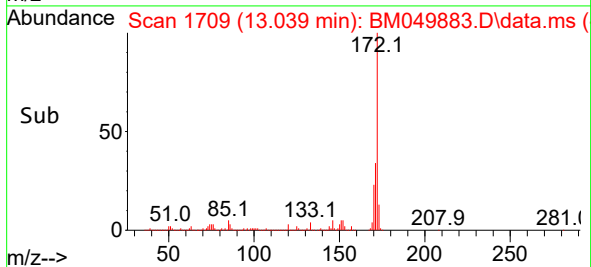
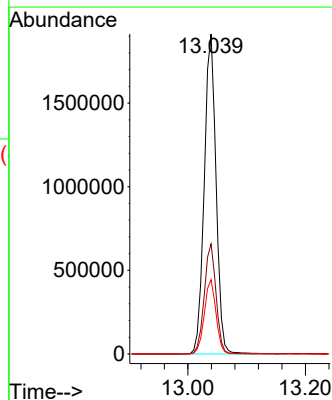
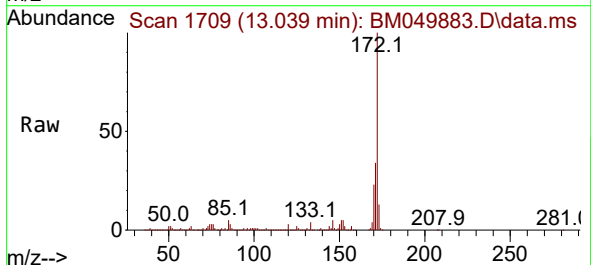


Tgt Ion:330 Resp: 877982
Ion Ratio Lower Upper
330 100
332 97.2 78.0 117.0
141 28.8 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 57.930 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM049883.D
Acq: 10 Apr 2025 14:10

Tgt Ion:172 Resp: 2675548
Ion Ratio Lower Upper
172 100
171 34.4 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: BM049883.D

Acq: 10 Apr 2025 14:10

Instrument :

BNA_M

ClientSampleId :

TP-3

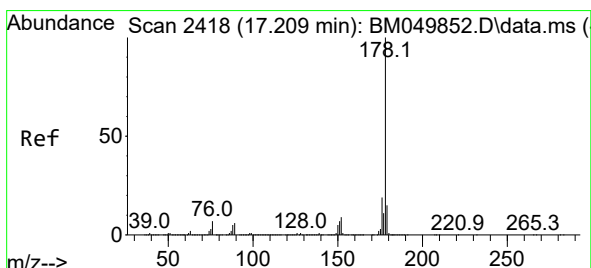
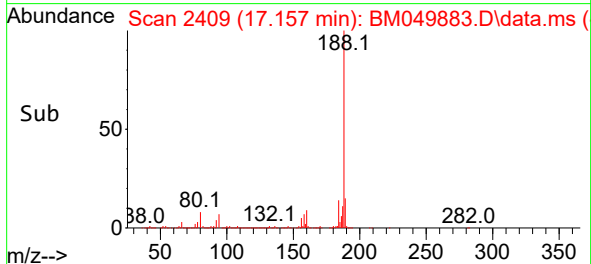
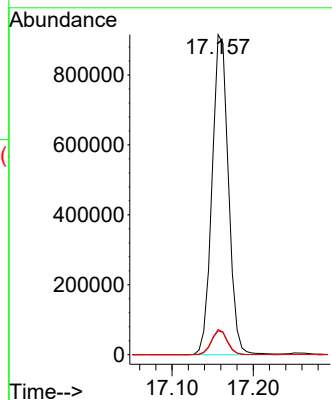
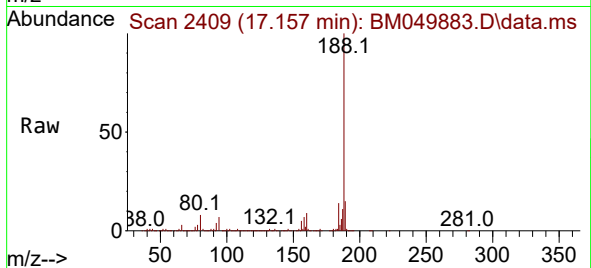
Tgt Ion:188 Resp: 1279418

Ion Ratio Lower Upper

188 100

94 7.5 5.8 8.6

80 7.8 6.4 9.6



#71

Phenanthrene

Concen: 2.989 ng

RT: 17.198 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM049883.D

Acq: 10 Apr 2025 14:10

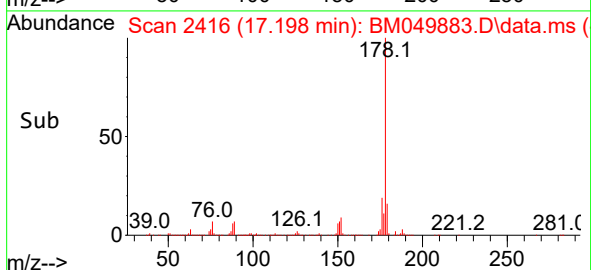
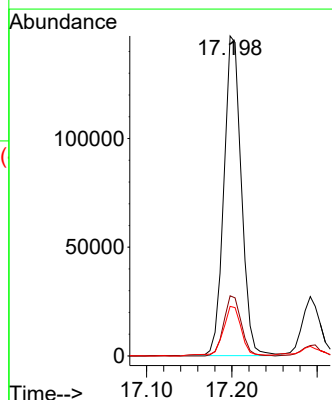
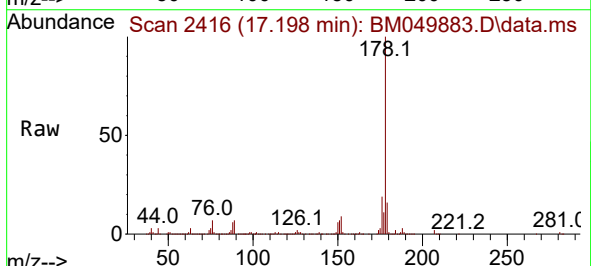
Tgt Ion:178 Resp: 209671

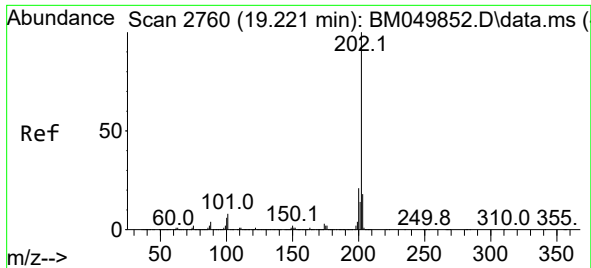
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.5 12.3 18.5

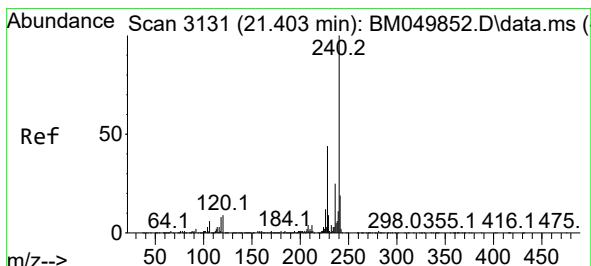
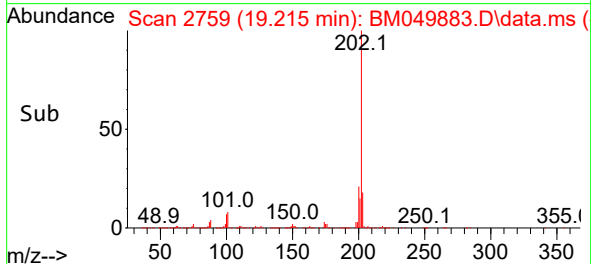
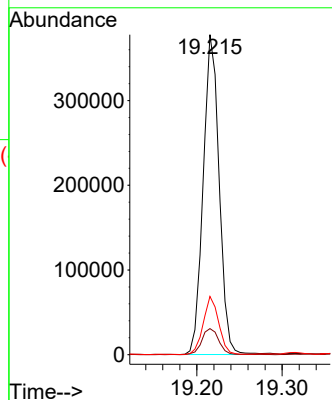
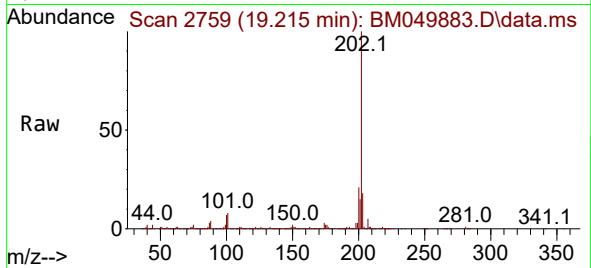




#75
Fluoranthene
Concen: 5.711 ng
RT: 19.215 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049883.D
Acq: 10 Apr 2025 14:10

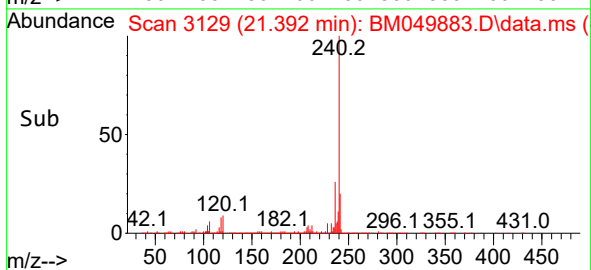
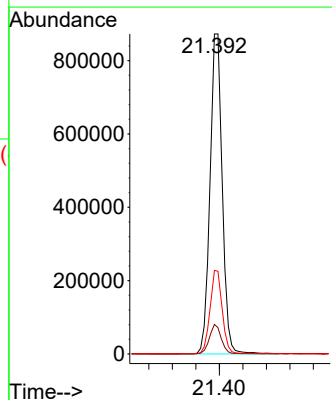
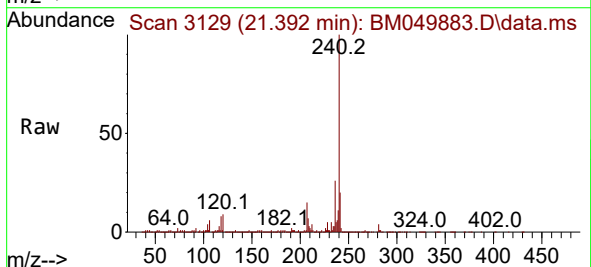
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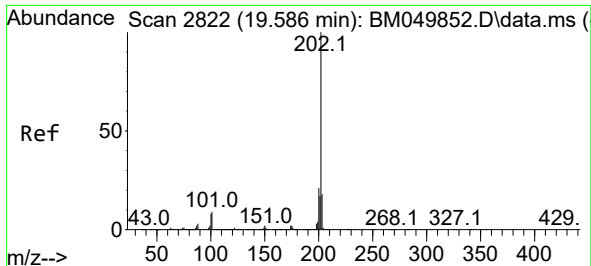
Tgt Ion:202 Resp: 492580
Ion Ratio Lower Upper
202 100
101 8.1 0.0 28.4
203 18.2 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3129
Delta R.T. -0.012 min
Lab File: BM049883.D
Acq: 10 Apr 2025 14:10

Tgt Ion:240 Resp: 1266569
Ion Ratio Lower Upper
240 100
120 9.2 6.9 10.3
236 26.1 20.4 30.6

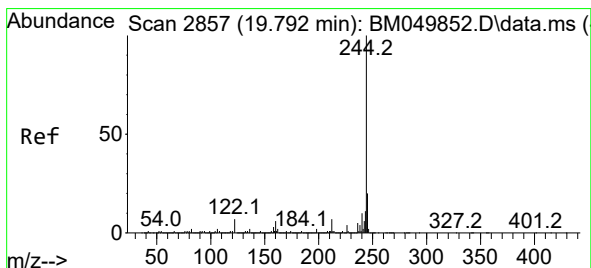
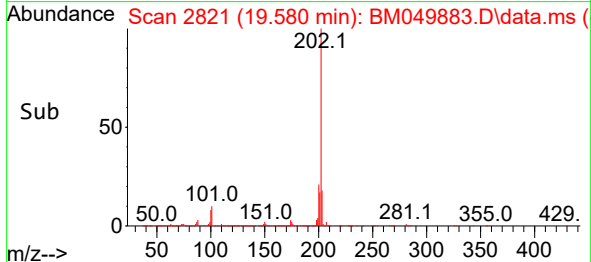
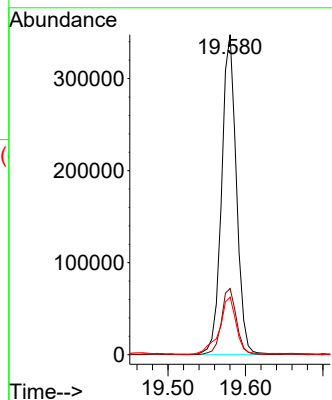
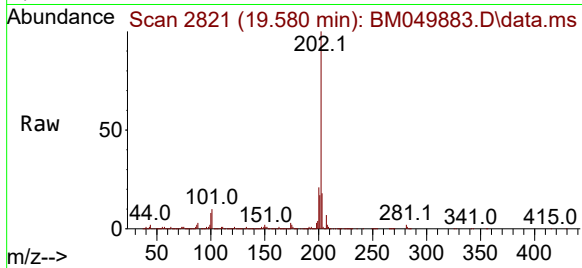




#78
 Pyrene
 Concen: 5.284 ng
 RT: 19.580 min Scan# 2822
 Delta R.T. -0.006 min
 Lab File: BM049883.D
 Acq: 10 Apr 2025 14:10

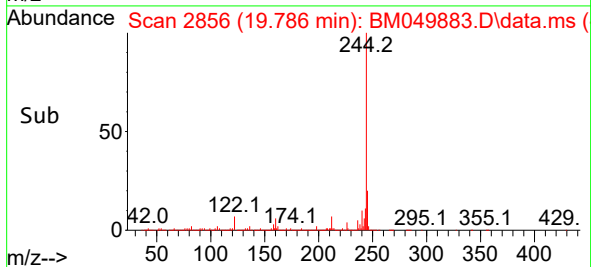
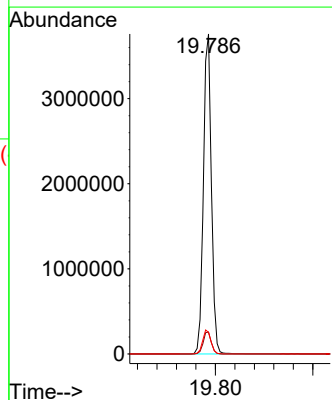
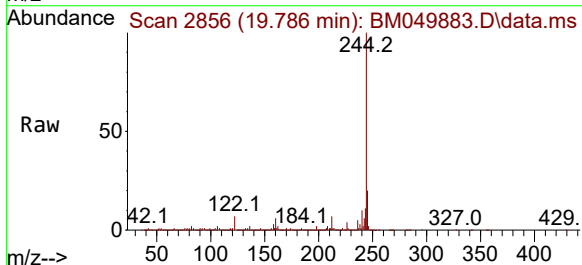
Instrument :
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 ClientSampleId :
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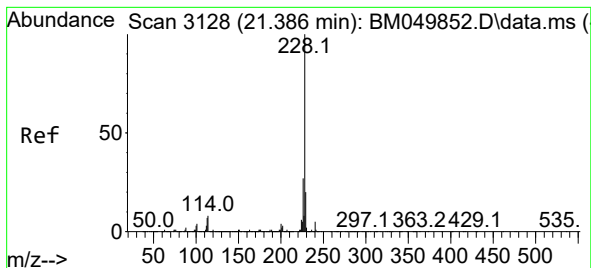
Tgt Ion:202 Resp: 461214
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.5 24.7
 203 18.0 14.0 21.0



#79
 Terphenyl-d14
 Concen: 63.121 ng
 RT: 19.786 min Scan# 2856
 Delta R.T. -0.006 min
 Lab File: BM049883.D
 Acq: 10 Apr 2025 14:10

Tgt Ion:244 Resp: 4265995
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 6.8 5.4 8.0





#81

Benzo(a)anthracene

Concen: 2.561 ng

RT: 21.374 min Scan# 3126

Delta R.T. -0.012 min

Lab File: BM049883.D

Acq: 10 Apr 2025 14:10

Instrument :

BNA_M

ClientSampleId :

TP-3

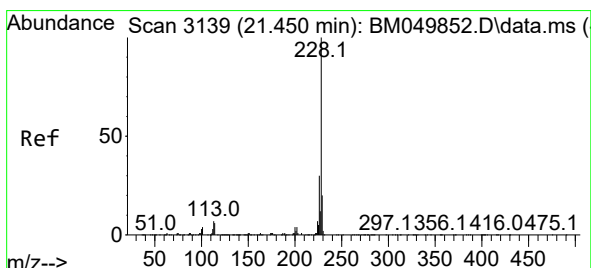
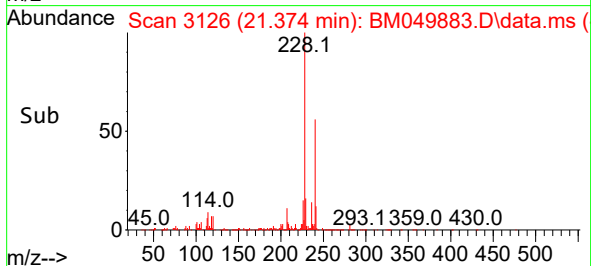
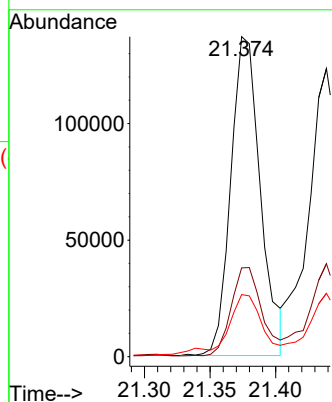
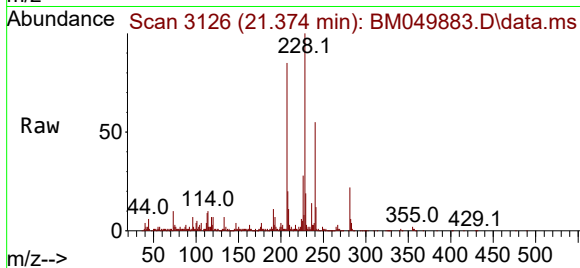
Tgt Ion:228 Resp: 215582

Ion Ratio Lower Upper

228 100

226 27.8 21.8 32.8

229 19.4 15.8 23.8



#83

Chrysene

Concen: 2.596 ng

RT: 21.439 min Scan# 3137

Delta R.T. -0.012 min

Lab File: BM049883.D

Acq: 10 Apr 2025 14:10

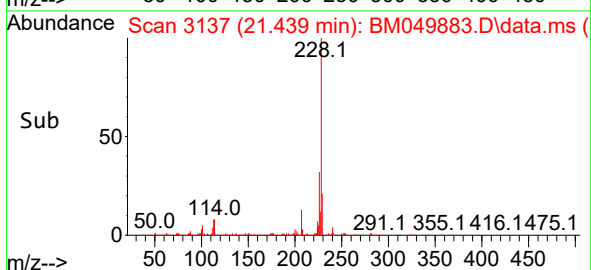
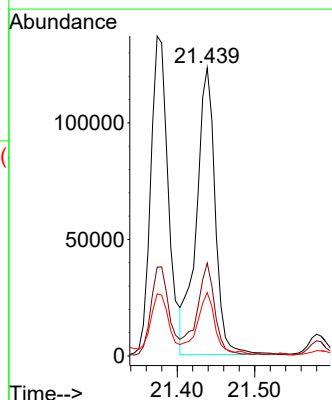
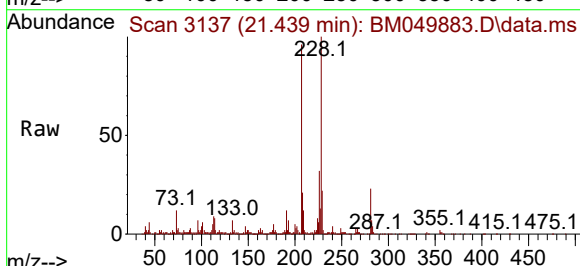
Tgt Ion:228 Resp: 207730

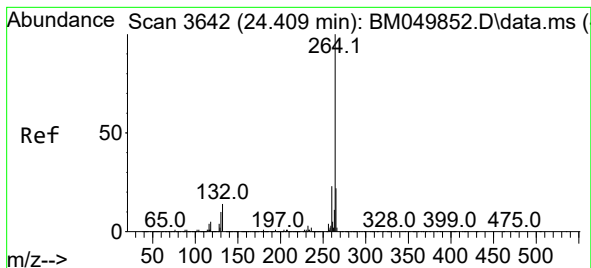
Ion Ratio Lower Upper

228 100

226 32.2 24.1 36.1

229 22.0 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.392 min Scan# 3

Delta R.T. -0.017 min

Lab File: BM049883.D

Acq: 10 Apr 2025 14:10

Instrument :

BNA_M

ClientSampleId :

TP-3

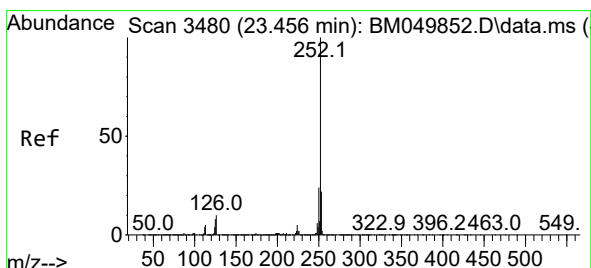
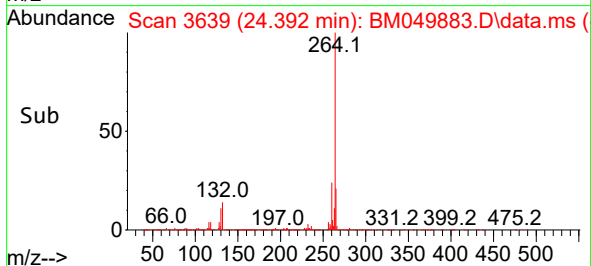
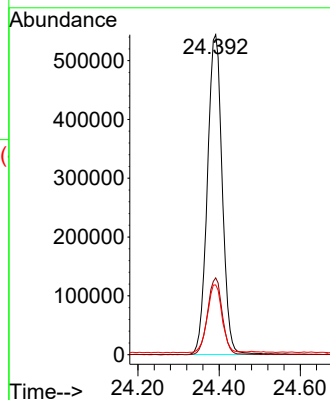
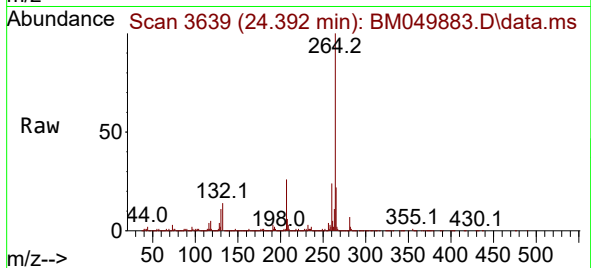
Tgt Ion:264 Resp: 1376287

Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 21.8 17.8 26.8



#88

Benzo(b)fluoranthene

Concen: 3.467 ng

RT: 23.445 min Scan# 3478

Delta R.T. -0.012 min

Lab File: BM049883.D

Acq: 10 Apr 2025 14:10

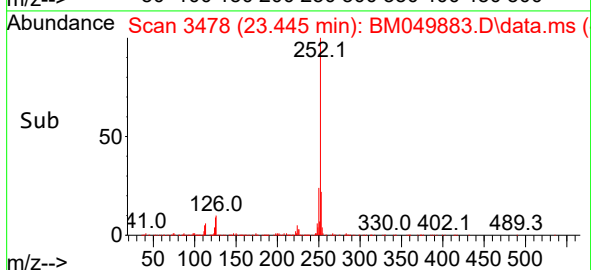
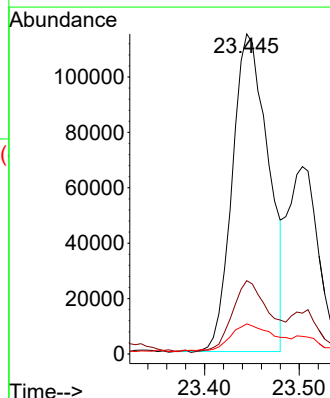
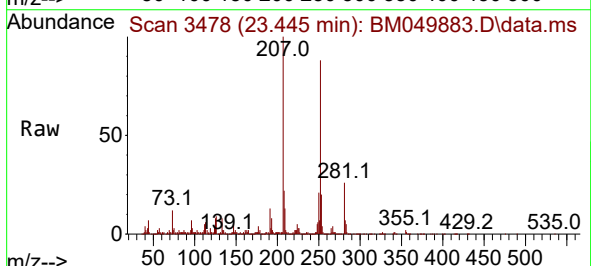
Tgt Ion:252 Resp: 304718

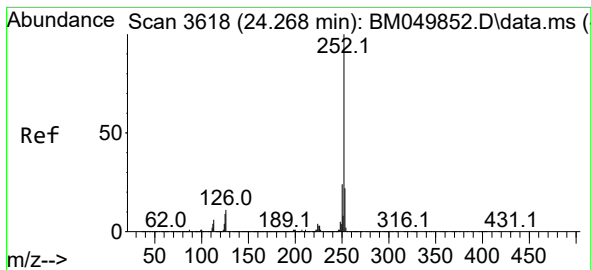
Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 9.4 6.2 9.4#





#90

Benzo(a)pyrene

Concen: 2.555 ng

RT: 24.244 min Scan# 3

Delta R.T. -0.023 min

Lab File: BM049883.D

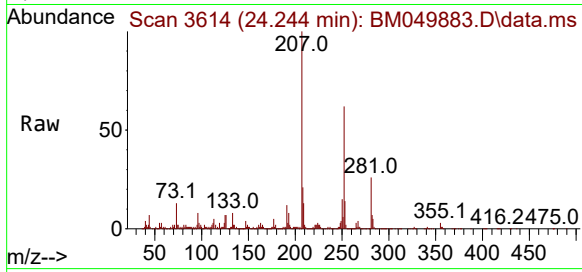
Acq: 10 Apr 2025 14:10

Instrument :

BNA_M

ClientSampleId :

TP-3



Tgt Ion:252 Resp: 197329

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 10.7 7.0 10.4#

