

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
 Data File : BM049963.D
 Acq On : 18 Apr 2025 13:10
 Operator : RC/JU
 Sample : Q1825-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-9

Quant Time: Apr 18 13:53:50 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)

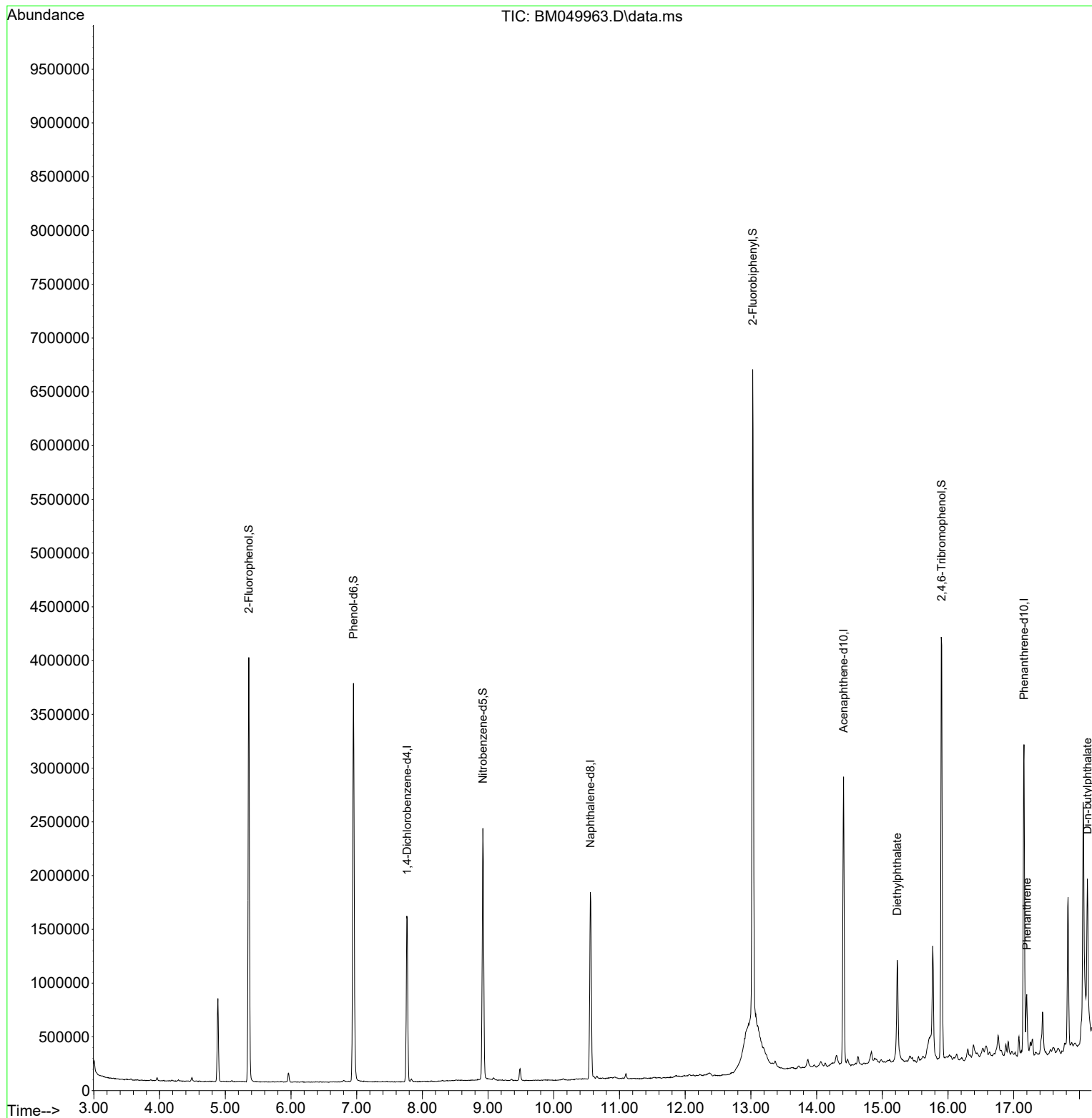
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	444904	20.000	ng	-0.01
21) Naphthalene-d8	10.557	136	1515574	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	944938	20.000	ng	-0.01
64) Phenanthrene-d10	17.156	188	1716435	20.000	ng	0.00
76) Chrysene-d12	21.391	240	1464947	20.000	ng	-0.01
86) Perylene-d12	24.391	264	1595297	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1711453	65.321	ng	0.00
7) Phenol-d6	6.951	99	2221685	68.154	ng	0.00
23) Nitrobenzene-d5	8.922	82	1321082	48.539	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	820296	59.682	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	3280588	47.077	ng	-0.02
79) Terphenyl-d14	19.780	244	3555180	45.480	ng	-0.01
Target Compounds						Qvalue
60) Diethylphthalate	15.227	149	802698	12.556	ng	99
71) Phenanthrene	17.198	178	344370	3.660	ng	100
74) Di-n-butylphthalate	18.121	149	1276575	12.689	ng	99
75) Fluoranthene	19.215	202	797594	6.894	ng	99
78) Pyrene	19.574	202	796888	7.893	ng	99
81) Benzo(a)anthracene	21.374	228	431078	4.428	ng	98
83) Chrysene	21.433	228	395136m	4.269	ng	
84) Bis(2-ethylhexyl)phtha...	21.297	149	291858	5.280	ng	# 96
87) Indeno(1,2,3-cd)pyrene	27.762	276	265005	2.229	ng	97
88) Benzo(b)fluoranthene	23.444	252	520037	5.104	ng	98
89) Benzo(k)fluoranthene	23.497	252	206102m	2.087	ng	
90) Benzo(a)pyrene	24.244	252	404004	4.512	ng	98
92) Benzo(g,h,i)perylene	28.820	276	253131	2.529	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049963.D
Acq On : 18 Apr 2025 13:10
Operator : RC/JU
Sample : Q1825-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-9

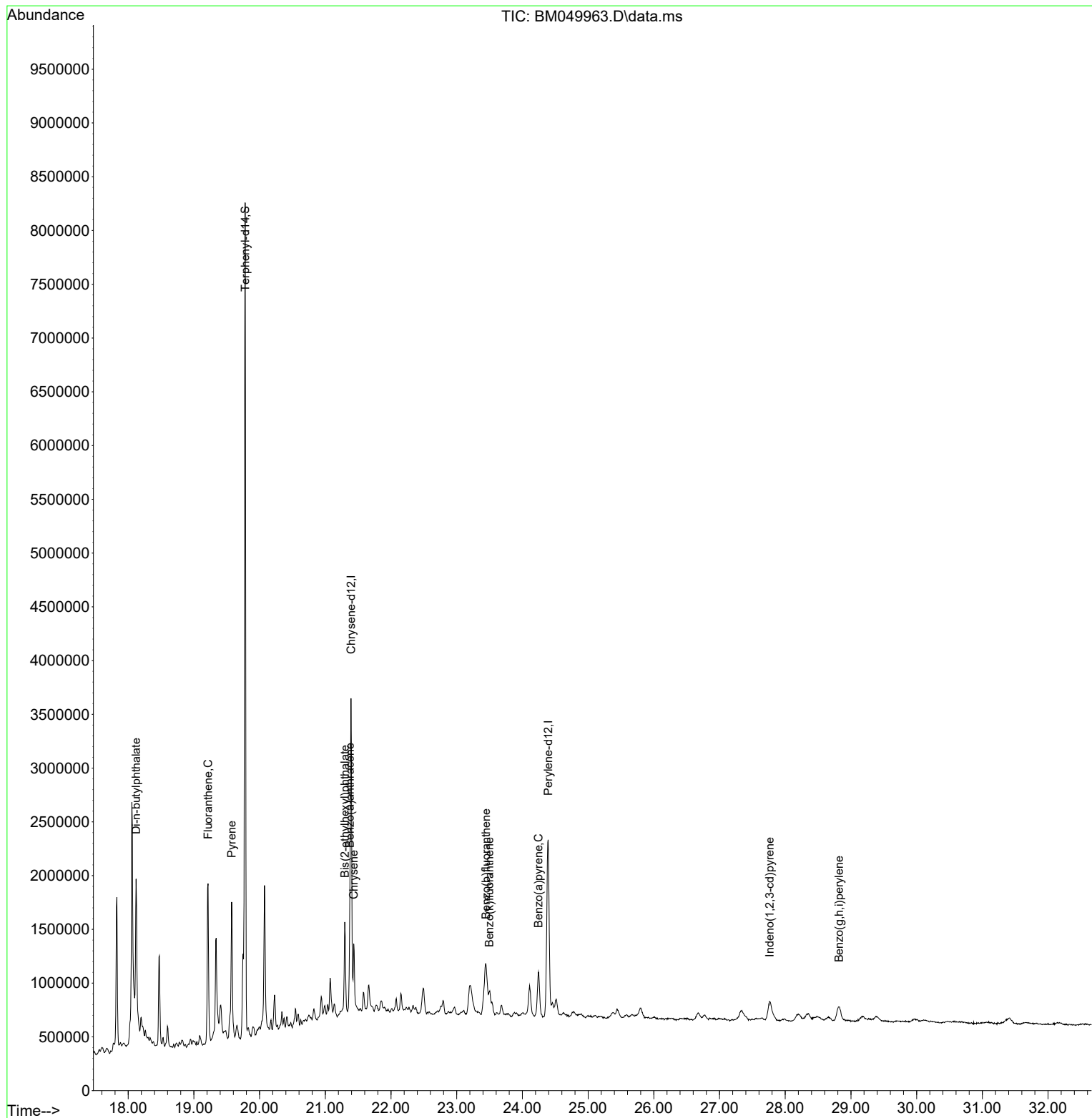
Quant Time: Apr 18 13:53:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

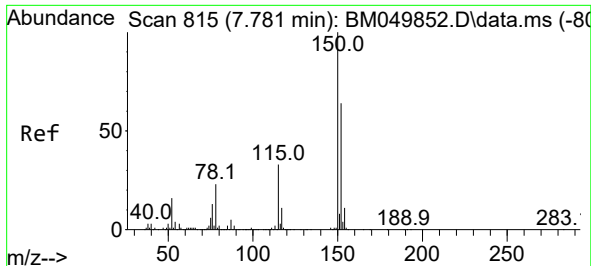


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049963.D
Acq On : 18 Apr 2025 13:10
Operator : RC/JU
Sample : Q1825-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-9

Quant Time: Apr 18 13:53:50 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

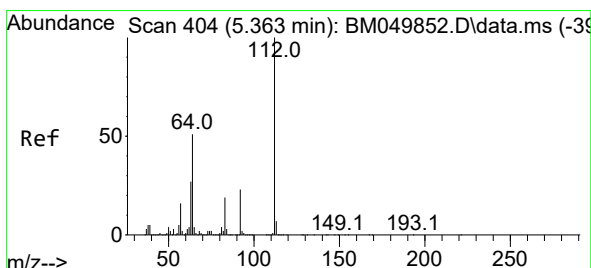
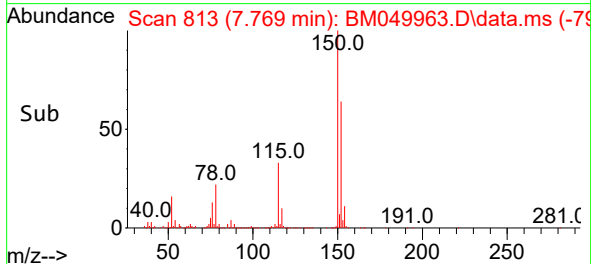
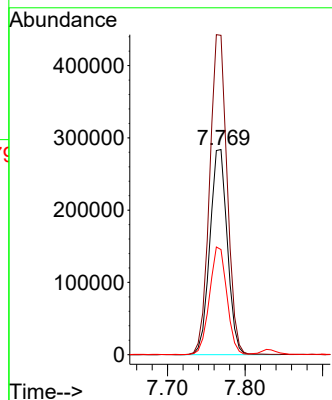
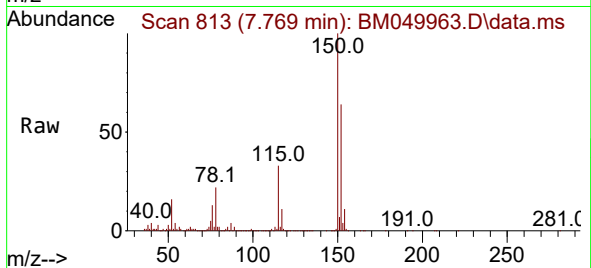




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049963.D
Acq: 18 Apr 2025 13:10

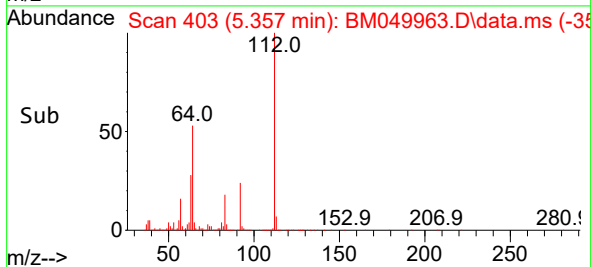
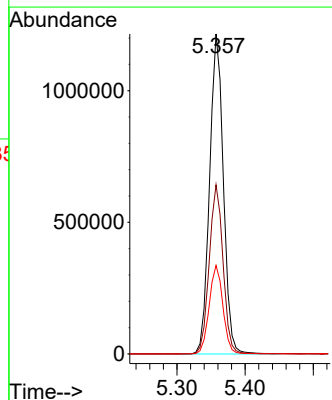
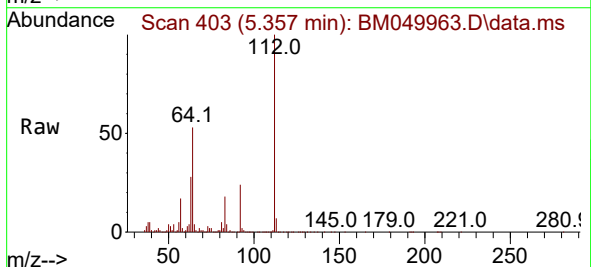
Instrument :
BNA_M
ClientSampleId :
TP-9

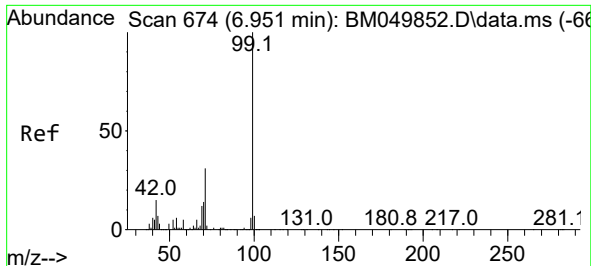
Tgt Ion:152 Resp: 444904
Ion Ratio Lower Upper
152 100
150 155.7 124.3 186.5
115 51.2 41.1 61.7



#5
2-Fluorophenol
Concen: 65.321 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049963.D
Acq: 18 Apr 2025 13:10

Tgt Ion:112 Resp: 1711453
Ion Ratio Lower Upper
112 100
64 52.9 41.0 61.6
63 27.6 21.5 32.3

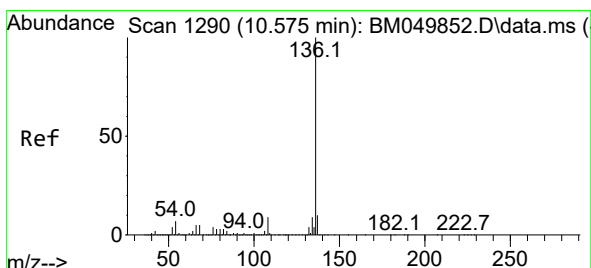
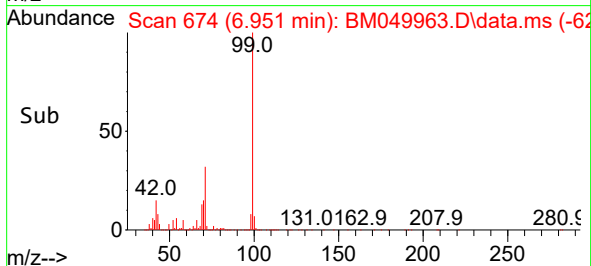
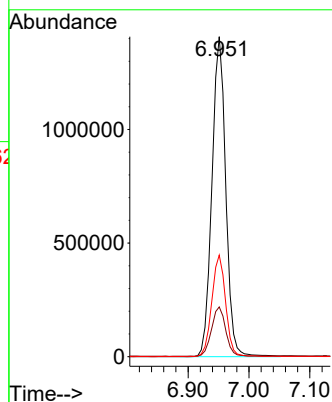
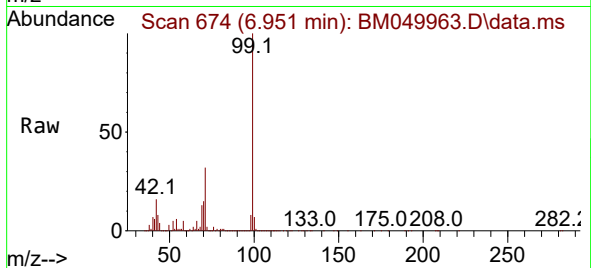




#7
Phenol-d6
Concen: 68.154 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049963.D
Acq: 18 Apr 2025 13:10

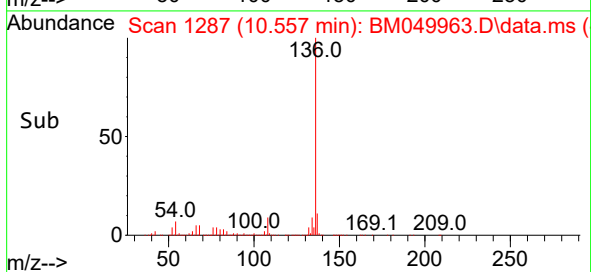
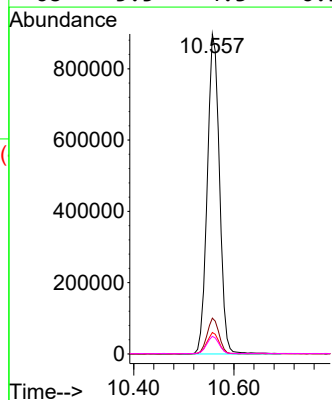
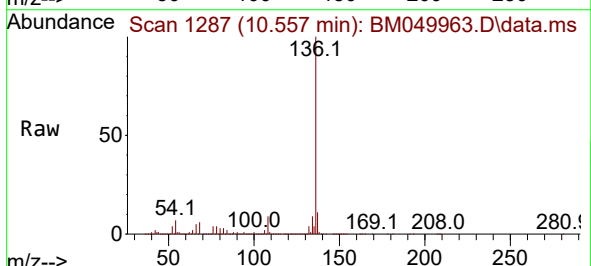
Instrument :
BNA_M
ClientSampleId :
TP-9

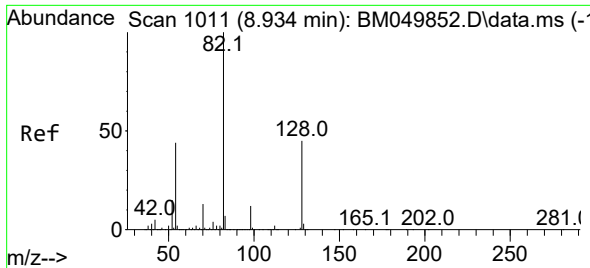
Tgt Ion: 99 Resp: 2221685
Ion Ratio Lower Upper
99 100
42 15.6 12.1 18.1
71 31.8 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM049963.D
Acq: 18 Apr 2025 13:10

Tgt Ion: 136 Resp: 1515574
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 6.7 5.3 7.9
68 5.5 4.3 6.5

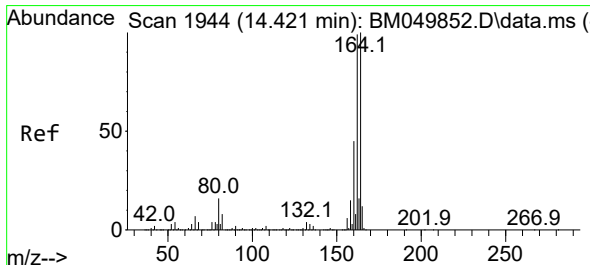
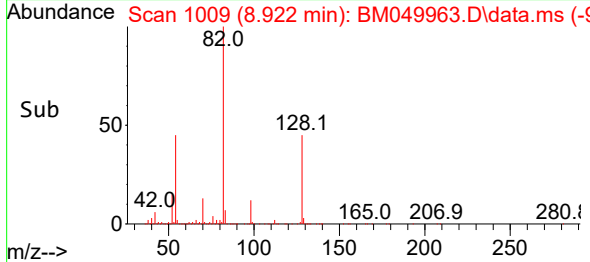
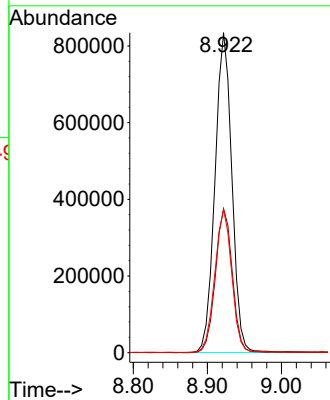
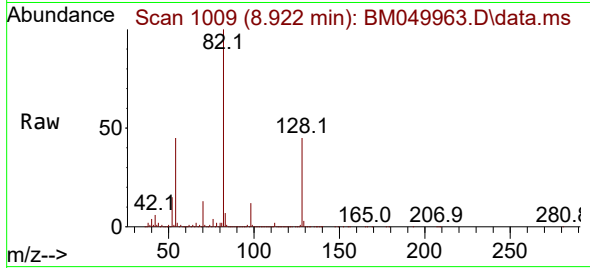




#23
Nitrobenzene-d5
Concen: 48.539 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BM049963.D
Acq: 18 Apr 2025 13:10

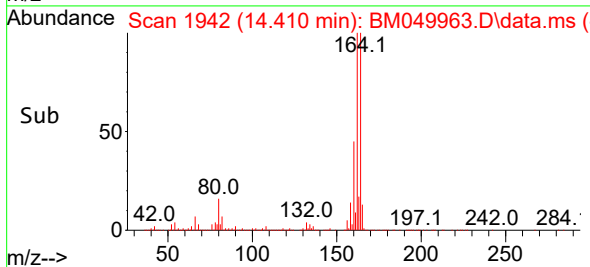
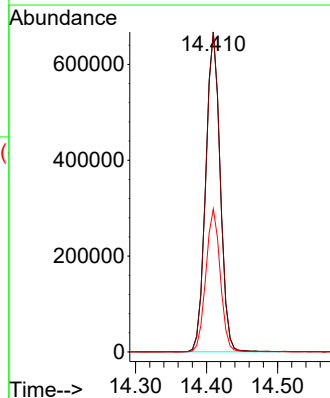
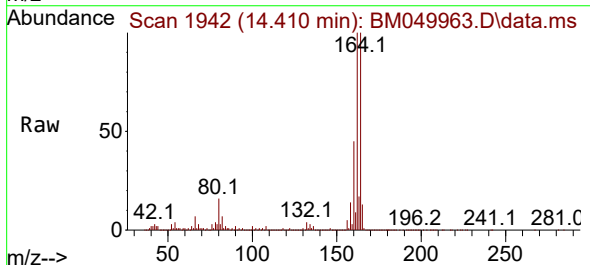
Instrument :
BNA_M
ClientSampleId :
TP-9

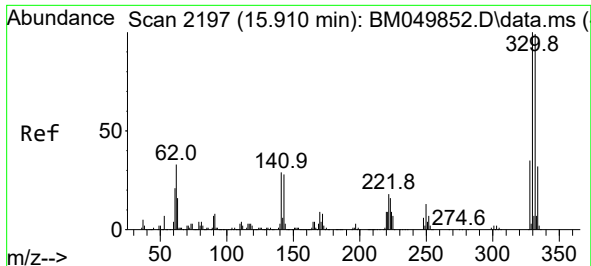
Tgt Ion: 82 Resp: 1321082
Ion Ratio Lower Upper
82 100
128 45.0 36.2 54.2
54 44.8 35.0 52.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM049963.D
Acq: 18 Apr 2025 13:10

Tgt Ion:164 Resp: 944938
Ion Ratio Lower Upper
164 100
162 100.0 79.4 119.0
160 44.7 36.2 54.2

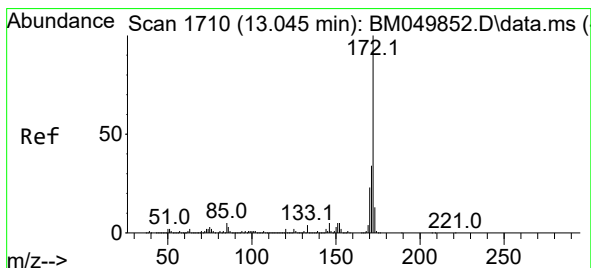
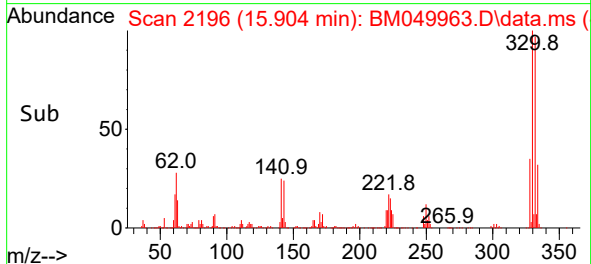
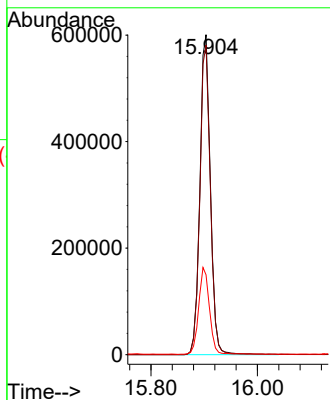
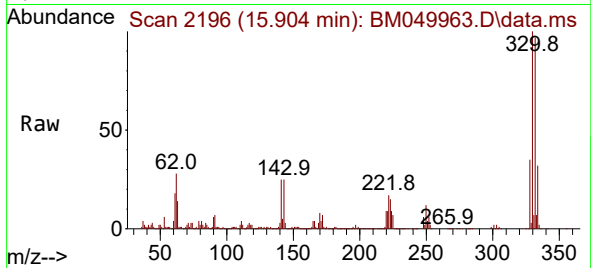




#42
2,4,6-Tribromophenol
Concen: 59.682 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM049963.D
Acq: 18 Apr 2025 13:10

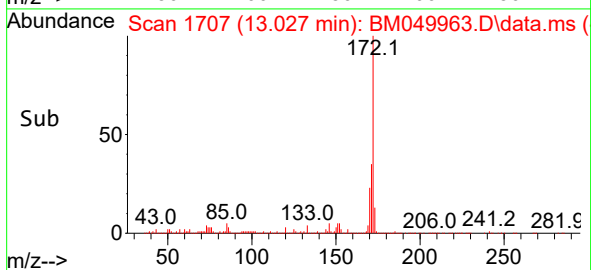
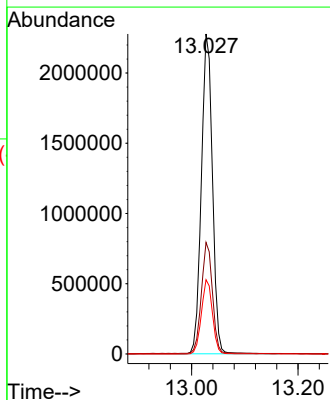
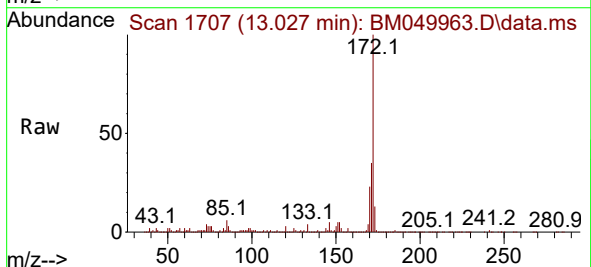
Instrument :
BNA_M
ClientSampleId :
TP-9

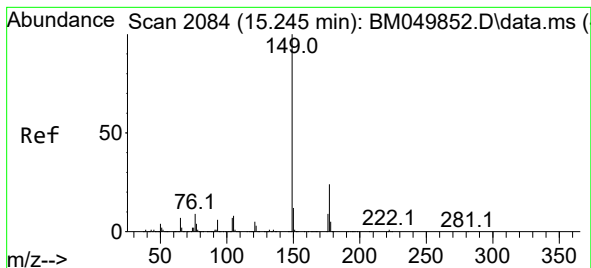
Tgt Ion:330 Resp: 820296
Ion Ratio Lower Upper
330 100
332 96.9 78.0 117.0
141 27.7 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 47.077 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.018 min
Lab File: BM049963.D
Acq: 18 Apr 2025 13:10

Tgt Ion:172 Resp: 3280588
Ion Ratio Lower Upper
172 100
171 34.8 27.4 41.2
170 23.2 18.6 28.0





#60

Diethylphthalate

Concen: 12.556 ng

RT: 15.227 min Scan# 2081

Delta R.T. -0.018 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

Instrument :

BNA_M

ClientSampleId :

TP-9

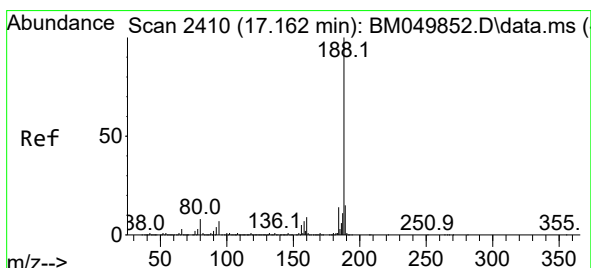
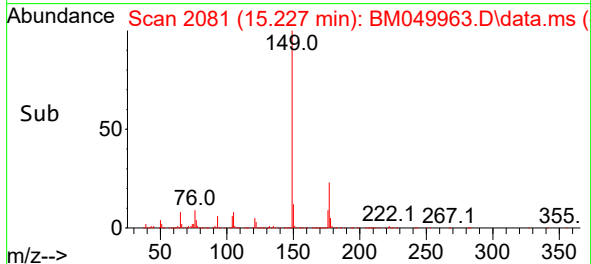
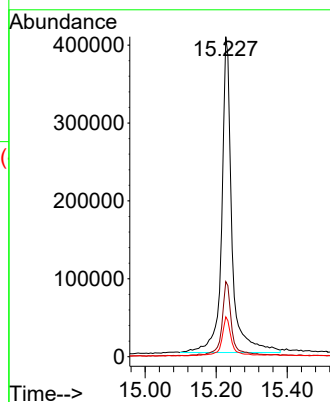
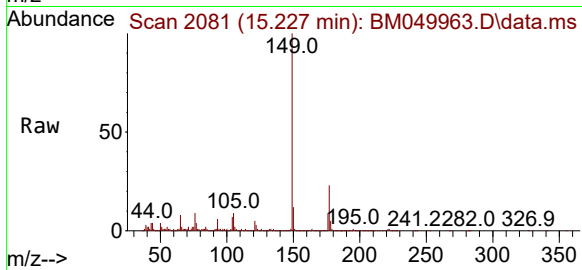
Tgt Ion:149 Resp: 802698

Ion Ratio Lower Upper

149 100

177 23.5 19.0 28.4

150 12.4 9.7 14.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.156 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

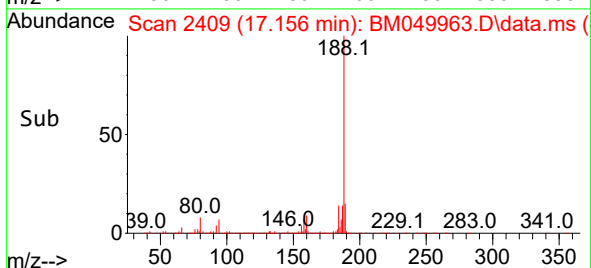
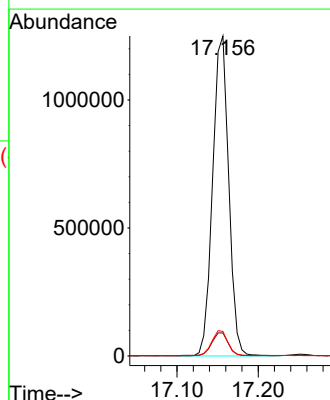
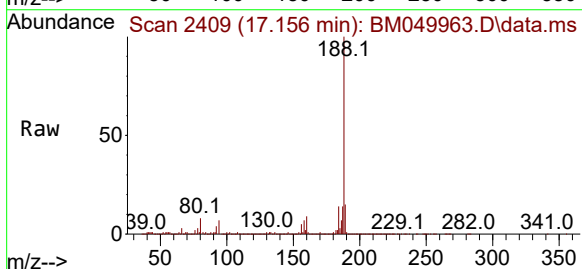
Tgt Ion:188 Resp: 1716435

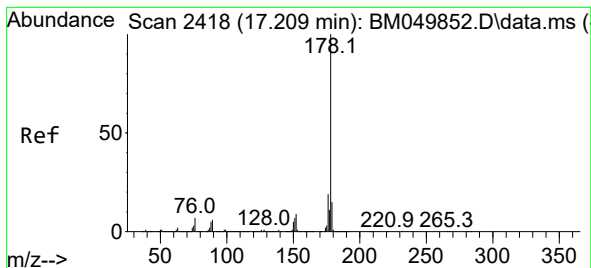
Ion Ratio Lower Upper

188 100

94 7.2 5.8 8.6

80 7.7 6.4 9.6





#71

Phenanthrene

Concen: 3.660 ng

RT: 17.198 min Scan# 2418

Delta R.T. -0.012 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

Instrument :

BNA_M

ClientSampleId :

TP-9

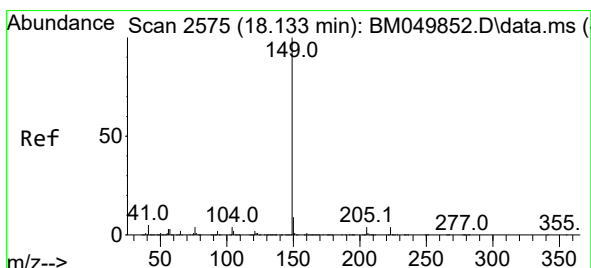
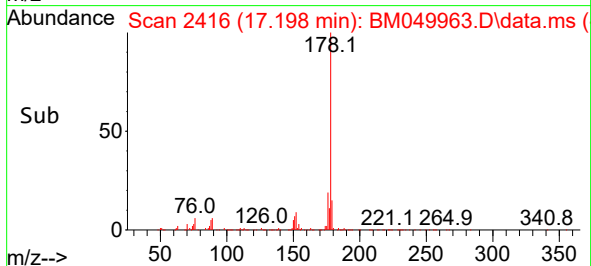
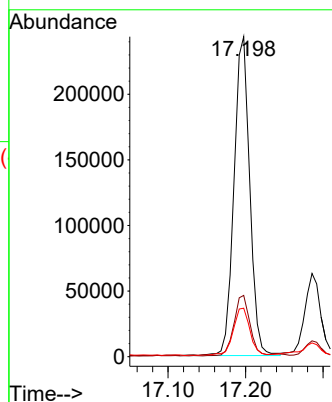
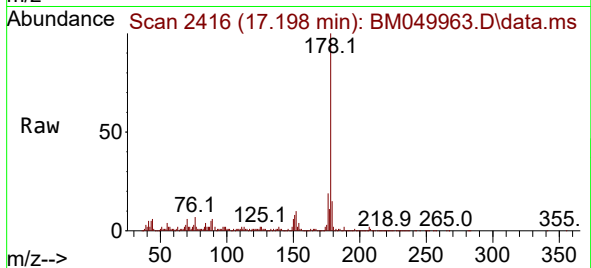
Tgt Ion:178 Resp: 344370

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.1 12.3 18.5



#74

Di-n-butylphthalate

Concen: 12.689 ng

RT: 18.121 min Scan# 2573

Delta R.T. -0.012 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

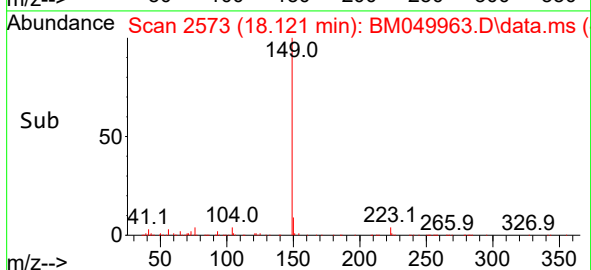
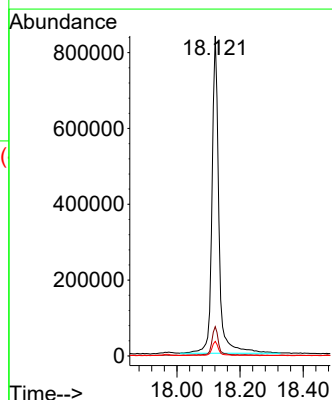
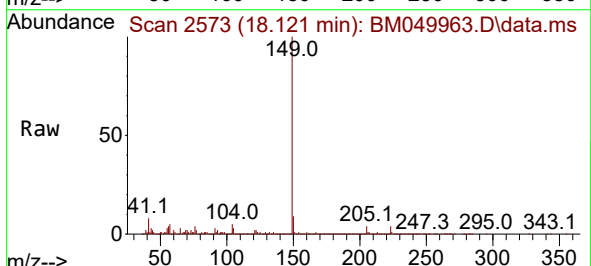
Tgt Ion:149 Resp: 1276575

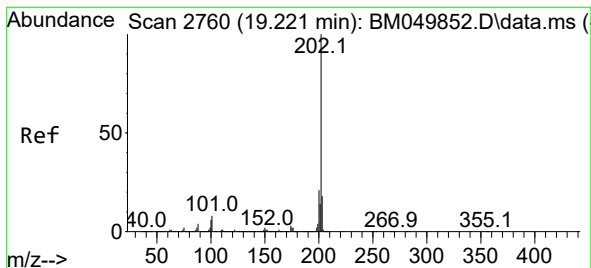
Ion Ratio Lower Upper

149 100

150 9.2 7.5 11.3

104 4.6 3.5 5.3





#75

Fluoranthene

Concen: 6.894 ng

RT: 19.215 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

Instrument :

BNA_M

ClientSampleId :

TP-9

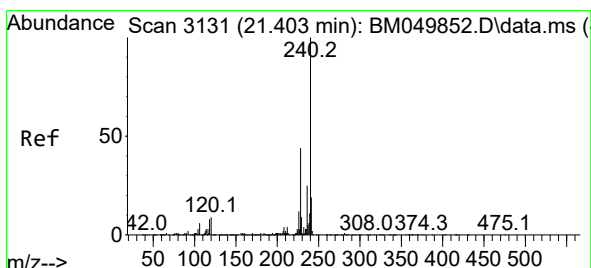
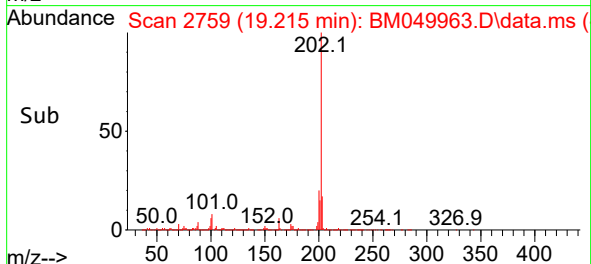
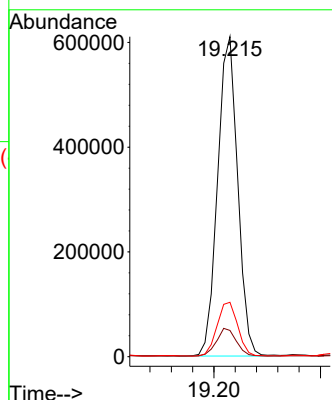
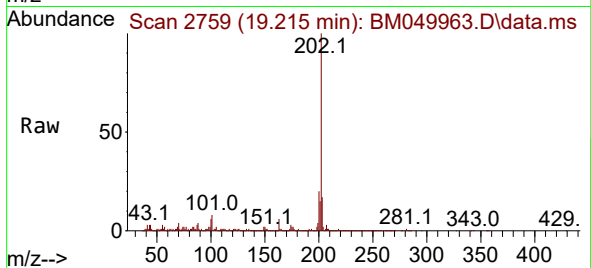
Tgt Ion:202 Resp: 797594

Ion Ratio Lower Upper

202 100

101 8.2 0.0 28.4

203 17.0 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: BM049963.D

Acq: 18 Apr 2025 13:10

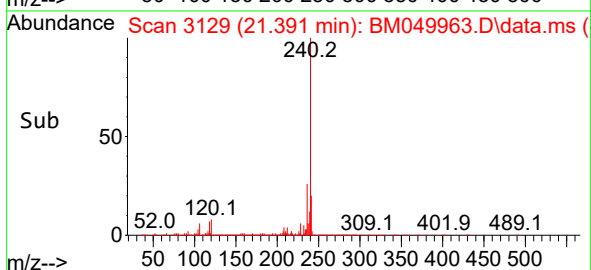
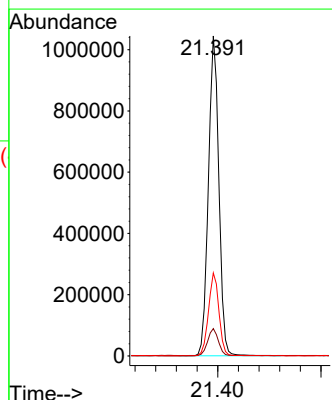
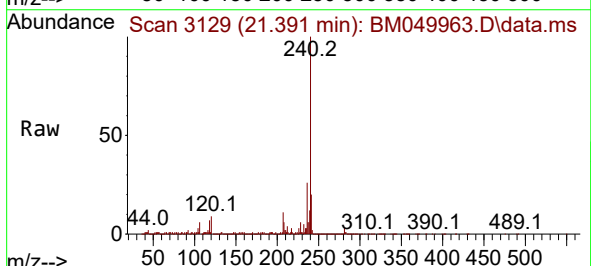
Tgt Ion:240 Resp: 1464947

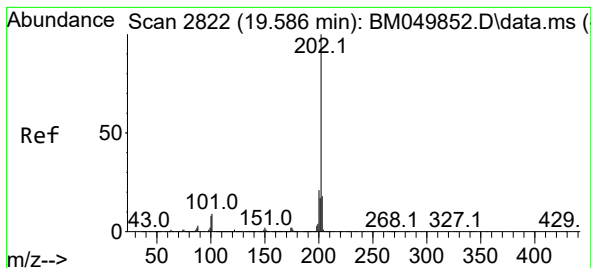
Ion Ratio Lower Upper

240 100

120 8.5 6.9 10.3

236 25.9 20.4 30.6





#78

Pyrene

Concen: 7.893 ng

RT: 19.574 min Scan# 2820

Delta R.T. -0.012 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

Instrument :

BNA_M

ClientSampleId :

TP-9

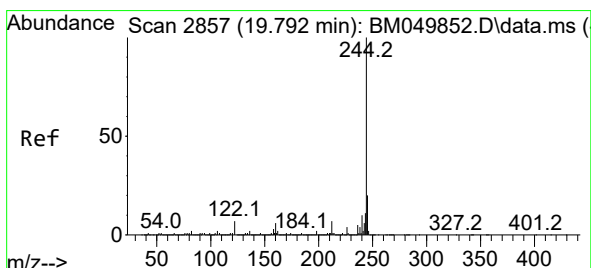
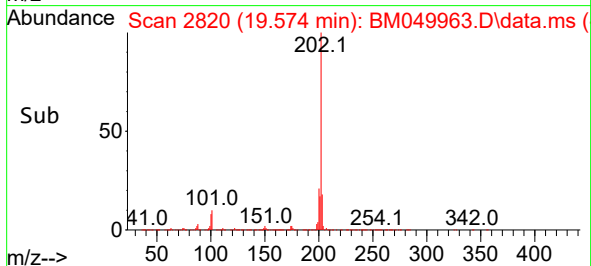
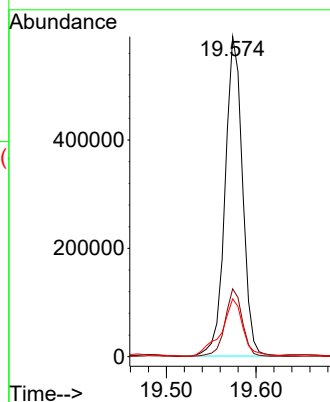
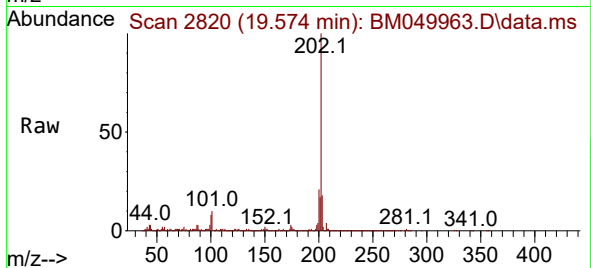
Tgt Ion:202 Resp: 796888

Ion Ratio Lower Upper

202 100

200 21.2 16.5 24.7

203 18.1 14.0 21.0



#79

Terphenyl-d14

Concen: 45.480 ng

RT: 19.780 min Scan# 2855

Delta R.T. -0.012 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

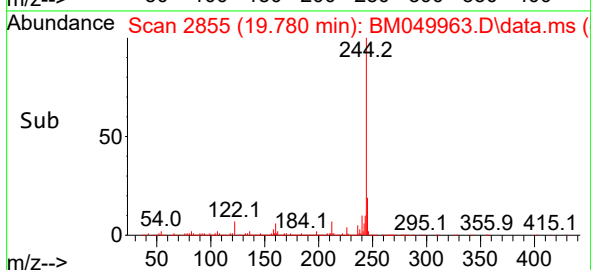
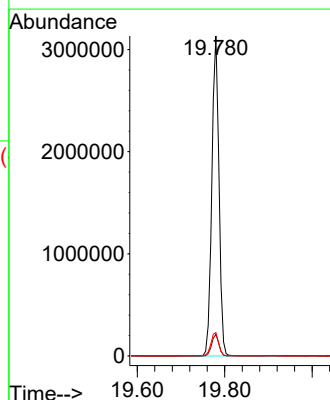
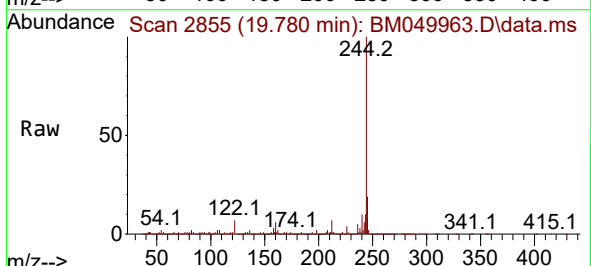
Tgt Ion:244 Resp: 3555180

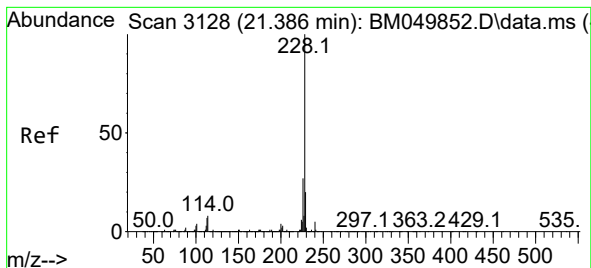
Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 7.3 5.4 8.0





#81

Benzo(a)anthracene

Concen: 4.428 ng

RT: 21.374 min Scan# 3126

Delta R.T. -0.012 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

Instrument :

BNA_M

ClientSampleId :

TP-9

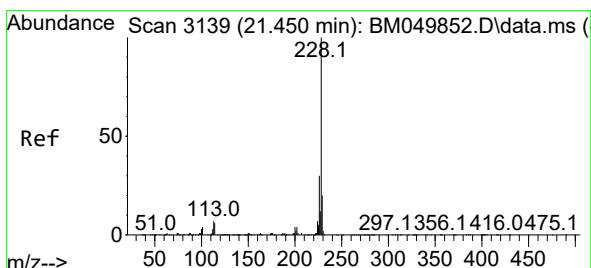
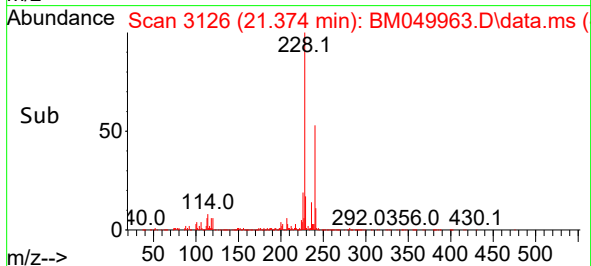
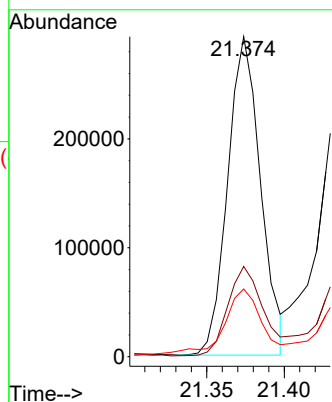
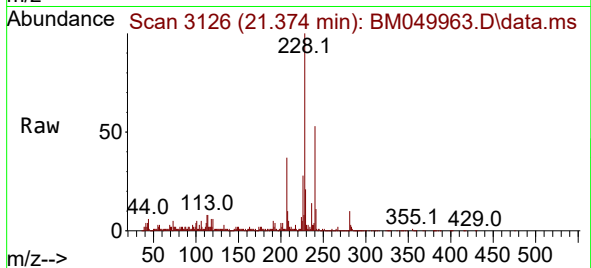
Tgt Ion:228 Resp: 431078

Ion Ratio Lower Upper

228 100

226 28.2 21.8 32.8

229 21.1 15.8 23.8



#83

Chrysene

Concen: 4.269 ng m

RT: 21.433 min Scan# 3136

Delta R.T. -0.018 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

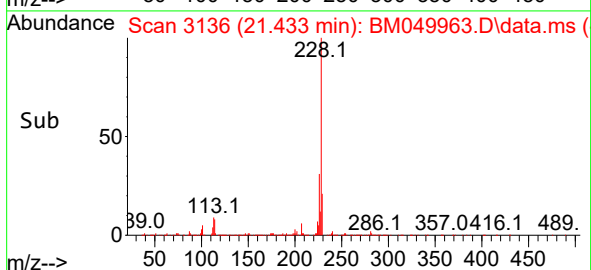
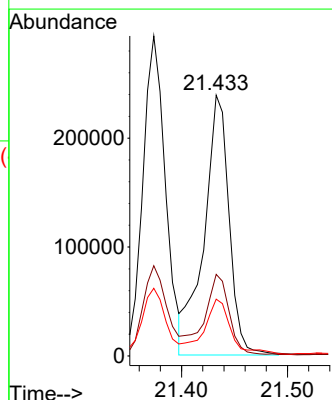
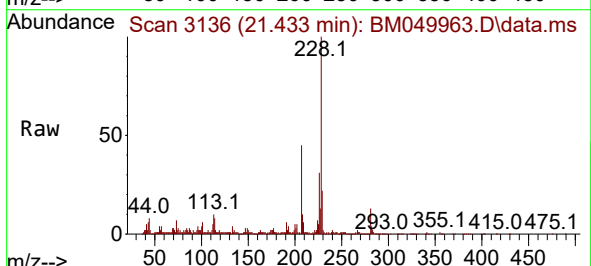
Tgt Ion:228 Resp: 395136

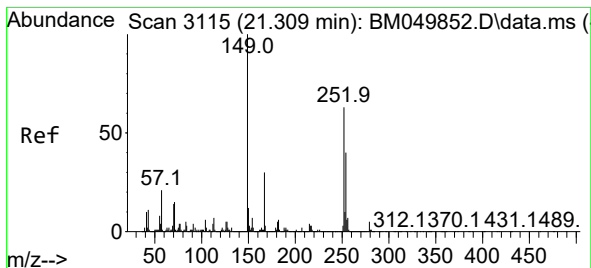
Ion Ratio Lower Upper

228 100

226 31.3 24.1 36.1

229 21.8 15.8 23.6

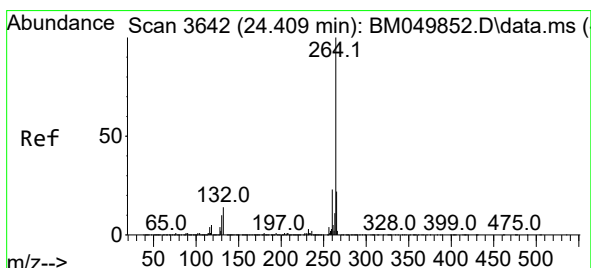
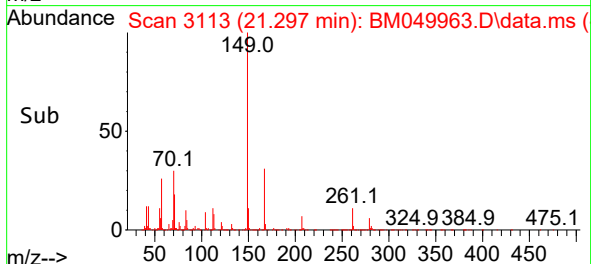
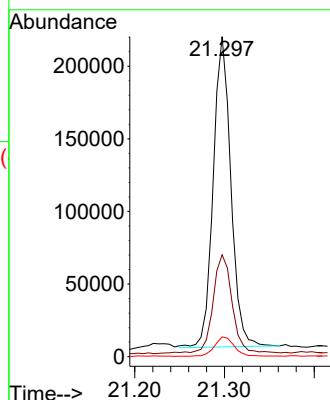
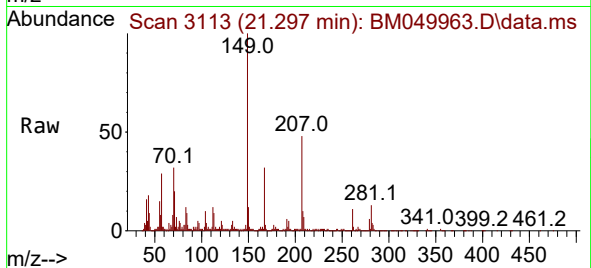




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.280 ng
RT: 21.297 min Scan# 3115
Delta R.T. -0.012 min
Lab File: BM049963.D
Acq: 18 Apr 2025 13:10

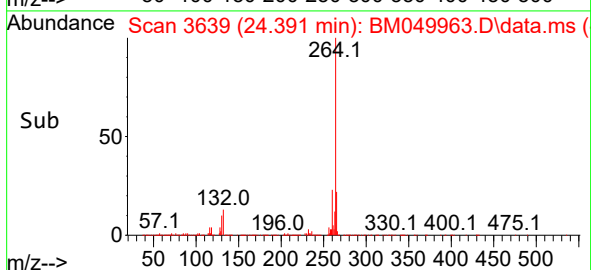
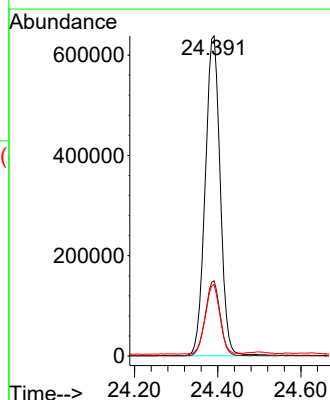
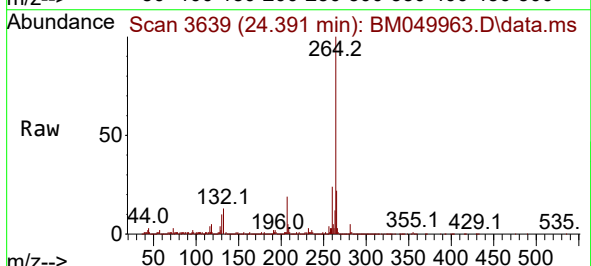
Instrument :
BNA_M
ClientSampleId :
TP-9

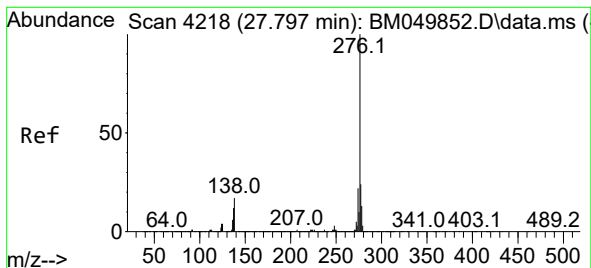
Tgt Ion:149 Resp: 291858
Ion Ratio Lower Upper
149 100
167 31.9 23.8 35.6
279 6.2 3.8 5.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.018 min
Lab File: BM049963.D
Acq: 18 Apr 2025 13:10

Tgt Ion:264 Resp: 1595297
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 22.4 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.229 ng

RT: 27.762 min Scan# 41

Delta R.T. -0.035 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

Instrument :

BNA_M

ClientSampleId :

TP-9

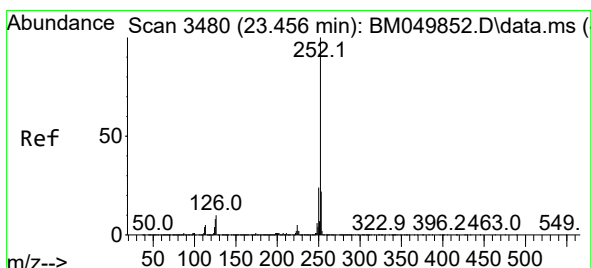
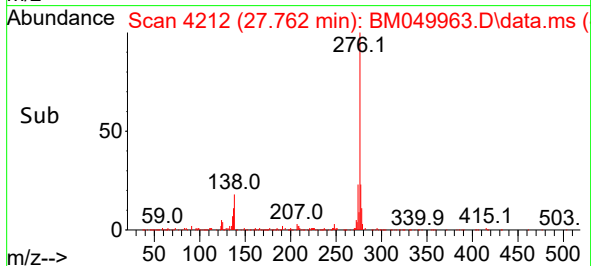
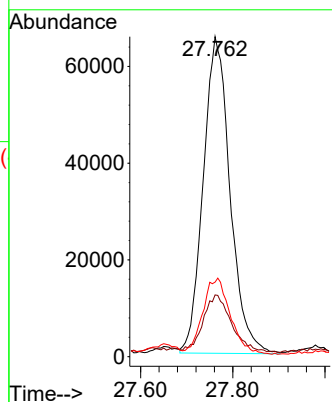
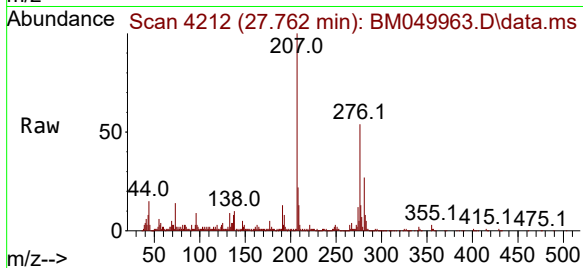
Tgt Ion:276 Resp: 265005

Ion Ratio Lower Upper

276 100

138 18.6 16.8 25.2

277 24.8 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 5.104 ng

RT: 23.444 min Scan# 3478

Delta R.T. -0.012 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

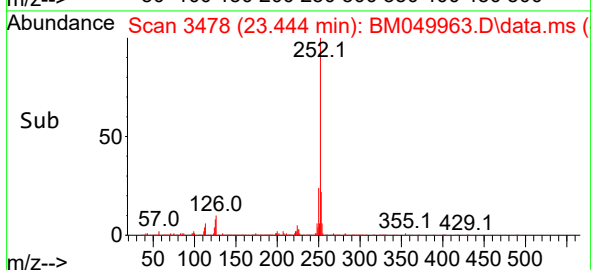
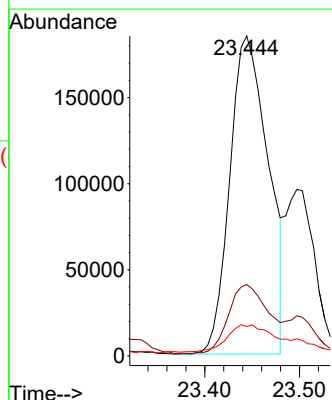
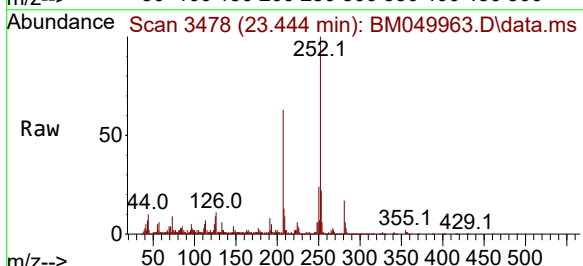
Tgt Ion:252 Resp: 520037

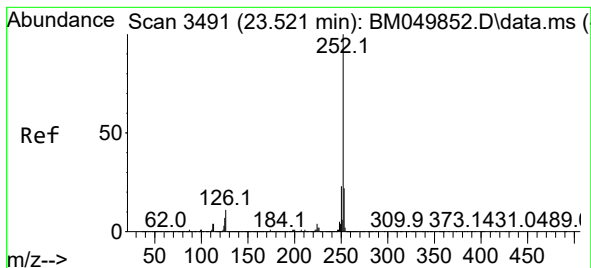
Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 9.2 6.2 9.4





#89

Benzo(k)fluoranthene

Concen: 2.087 ng m

RT: 23.497 min Scan# 34

Delta R.T. -0.024 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

Instrument :

BNA_M

ClientSampleId :

TP-9

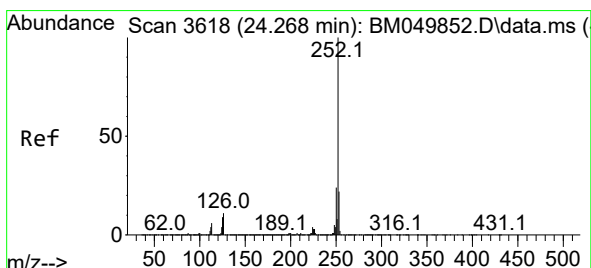
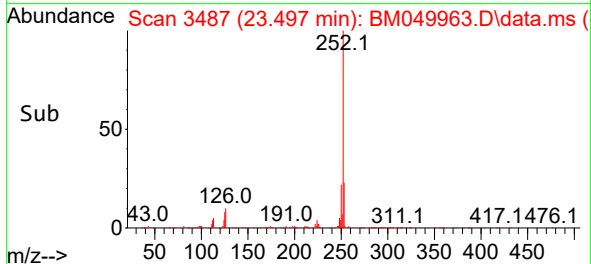
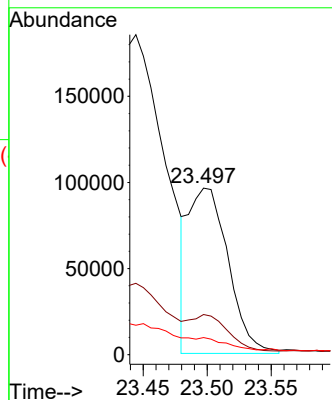
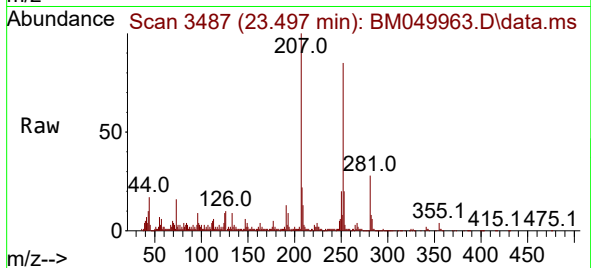
Tgt Ion:252 Resp: 206102

Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.2

125 10.3 5.8 8.8#



#90

Benzo(a)pyrene

Concen: 4.512 ng

RT: 24.244 min Scan# 3614

Delta R.T. -0.024 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

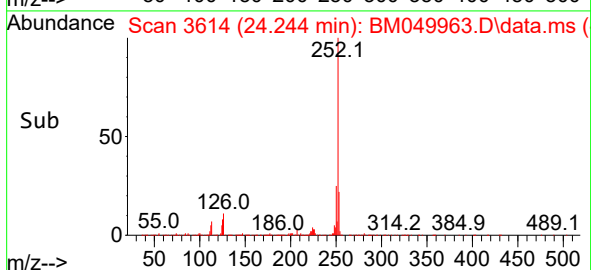
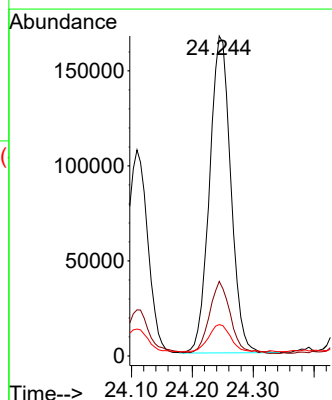
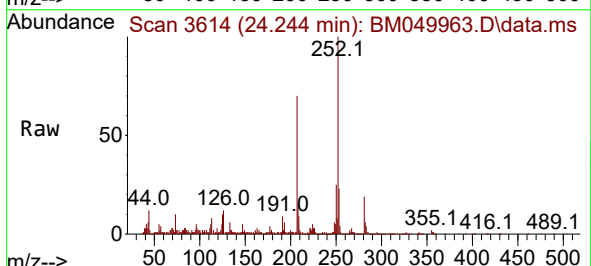
Tgt Ion:252 Resp: 404004

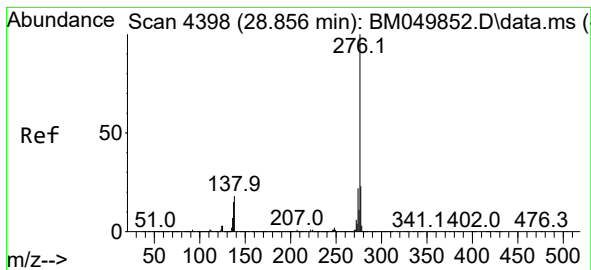
Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

125 9.8 7.0 10.4





#92

Benzo(g,h,i)perylene

Concen: 2.529 ng

RT: 28.820 min Scan# 41

Delta R.T. -0.035 min

Lab File: BM049963.D

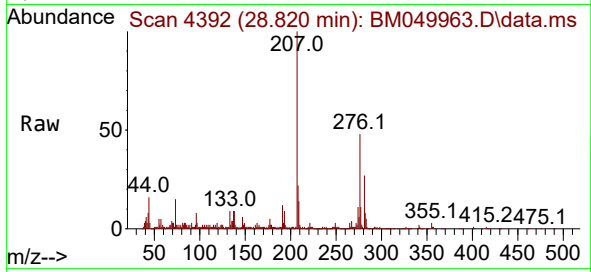
Acq: 18 Apr 2025 13:10

Instrument :

BNA_M

ClientSampleId :

TP-9



Tgt Ion: 276 Resp: 253131

Ion Ratio Lower Upper

276 100

277 23.6 18.7 28.1

138 18.8 14.6 21.8

