

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
 Data File : BM049908.D
 Acq On : 11 Apr 2025 19:32
 Operator : RC/JU
 Sample : Q1771-05 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-7C

Quant Time: Apr 11 23:04:32 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)

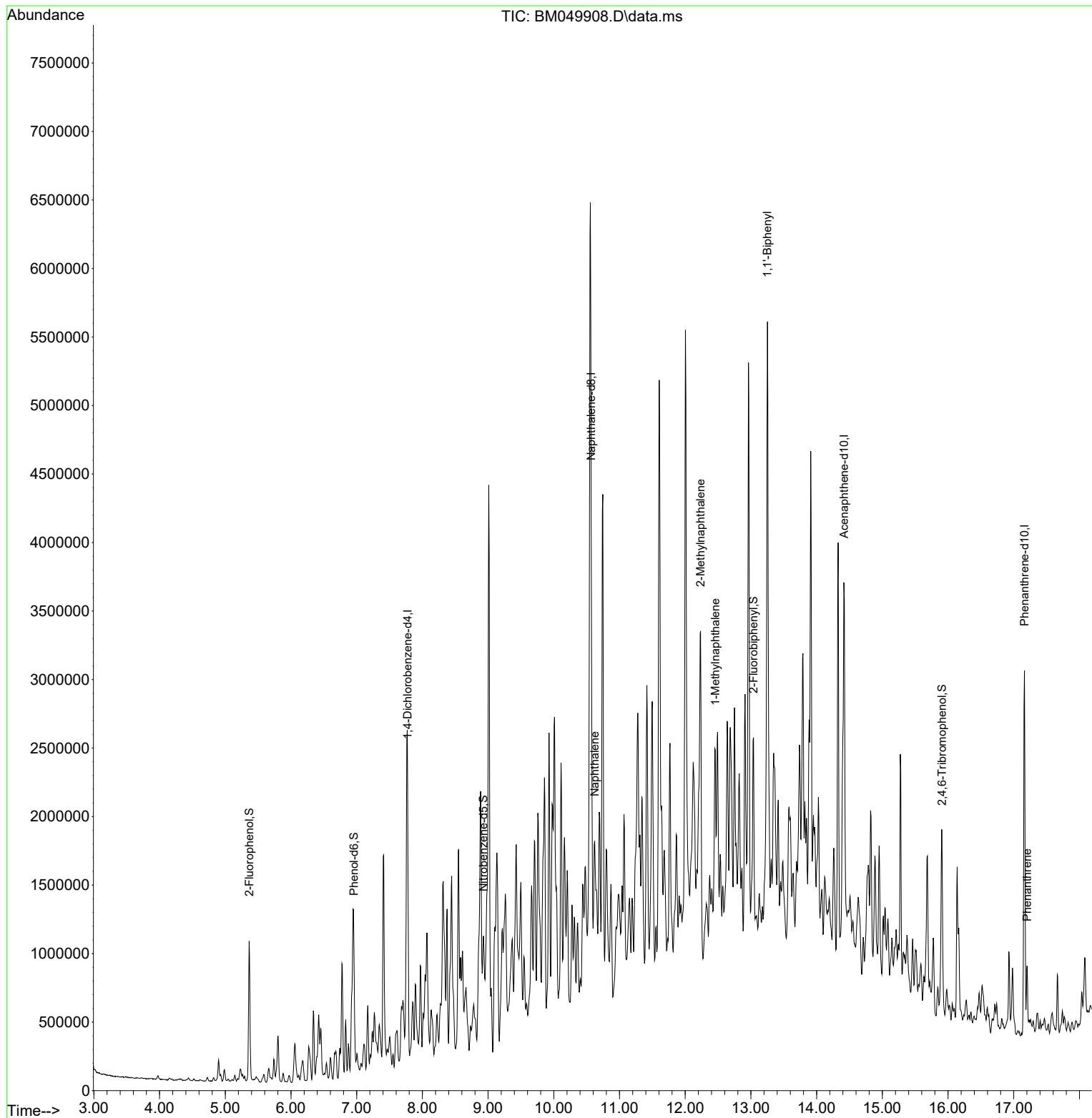
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	365200	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1196803	20.000	ng	# 0.00
39) Acenaphthene-d10	14.416	164	797301	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1590646	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1525389	20.000	ng	0.00
86) Perylene-d12	24.403	264	1767718	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	429811	19.985	ng	0.00
7) Phenol-d6	6.957	99	511215	19.105	ng	0.00
23) Nitrobenzene-d5	8.928	82	314968	14.655	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	232391	20.039	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	776369	13.204	ng	0.00
79) Terphenyl-d14	19.786	244	1065789	13.094	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.622	128	339285	5.517	ng	# 92
37) 2-Methylnaphthalene	12.233	142	638987	14.748	ng	98
38) 1-Methylnaphthalene	12.457	142	471929	11.180	ng	# 99
46) 1,1'-Biphenyl	13.251	154	156761	2.645	ng	99
71) Phenanthrene	17.204	178	309932	3.554	ng	99
75) Fluoranthene	19.215	202	432052	4.029	ng	98
78) Pyrene	19.580	202	448140	4.263	ng	99
81) Benzo(a)anthracene	21.380	228	227291	2.242	ng	# 88
83) Chrysene	21.439	228	249952	2.593	ng	# 88
88) Benzo(b)fluoranthene	23.450	252	325236	2.881	ng	# 78
90) Benzo(a)pyrene	24.256	252	242520	2.445	ng	# 80

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

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ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-7C

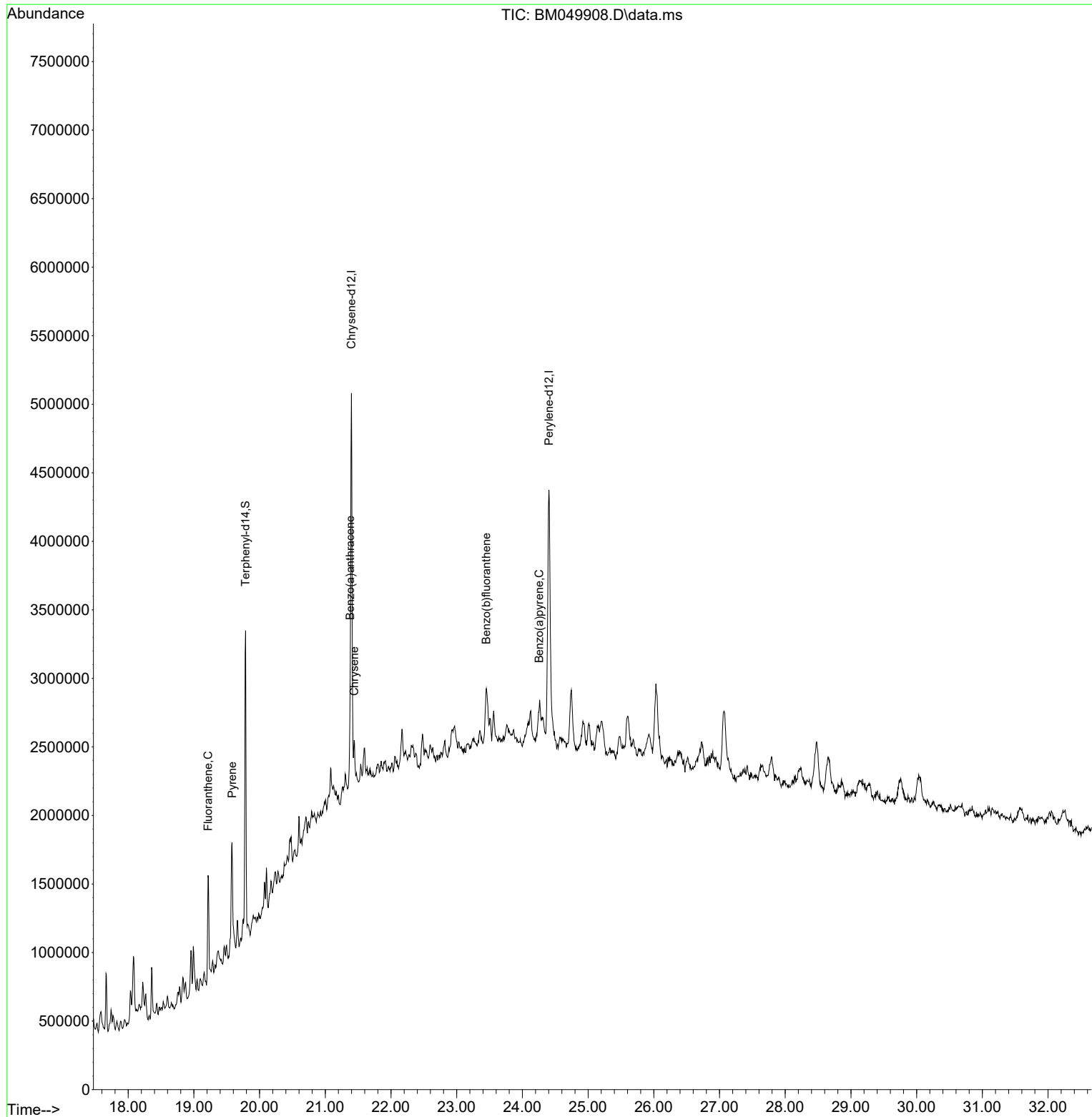
Quant Time: Apr 11 23:04:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

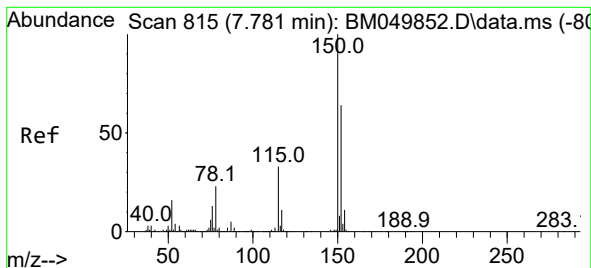


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
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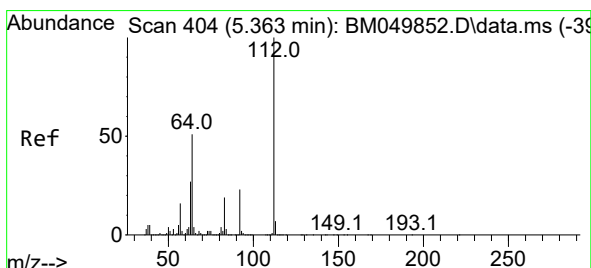
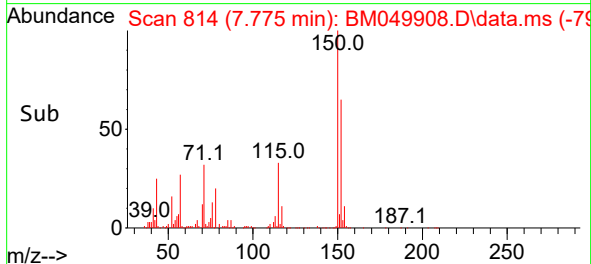
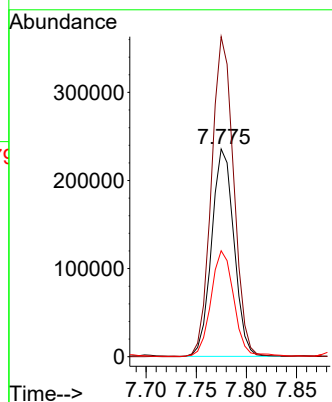
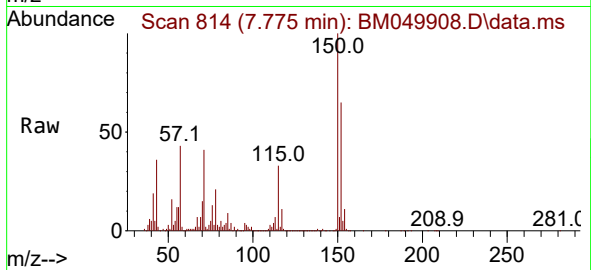




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM049908.D
Acq: 11 Apr 2025 19:32

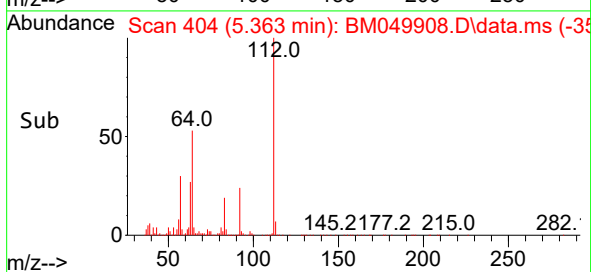
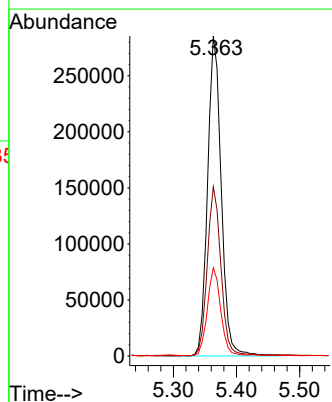
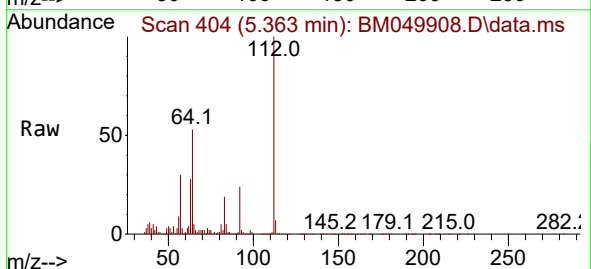
Instrument :
BNA_M
ClientSampleId :
TP-7C

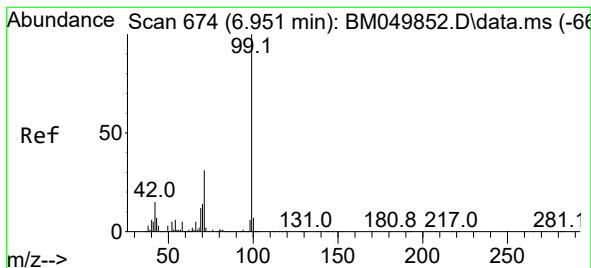
Tgt Ion:152 Resp: 365200
Ion Ratio Lower Upper
152 100
150 154.1 124.3 186.5
115 51.0 41.1 61.7



#5
2-Fluorophenol
Concen: 19.985 ng
RT: 5.363 min Scan# 404
Delta R.T. 0.000 min
Lab File: BM049908.D
Acq: 11 Apr 2025 19:32

Tgt Ion:112 Resp: 429811
Ion Ratio Lower Upper
112 100
64 52.9 41.0 61.6
63 27.5 21.5 32.3

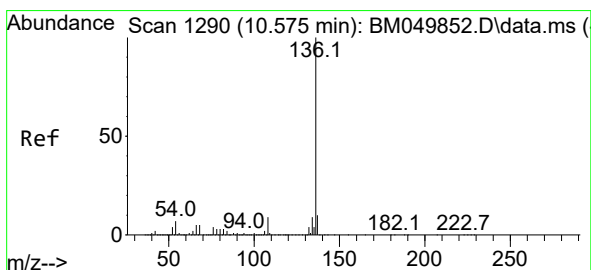
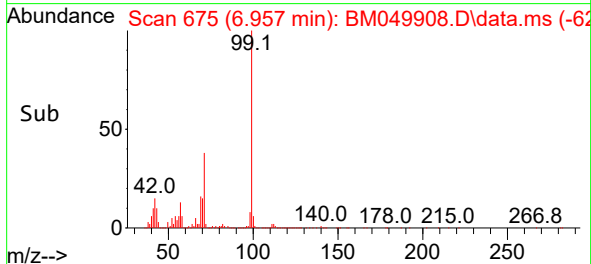
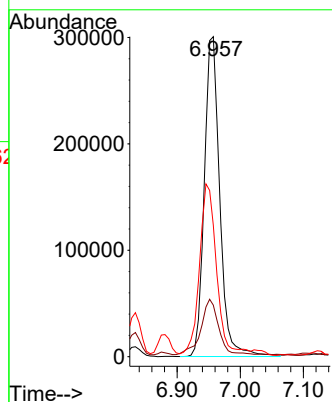
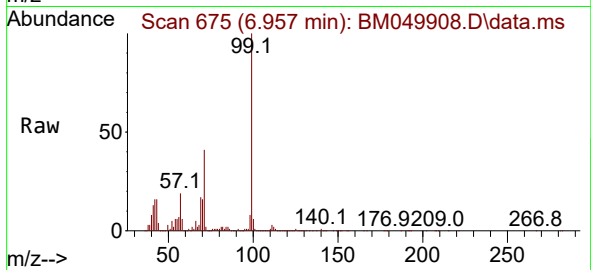




#7
Phenol-d6
Concen: 19.105 ng
RT: 6.957 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM049908.D
Acq: 11 Apr 2025 19:32

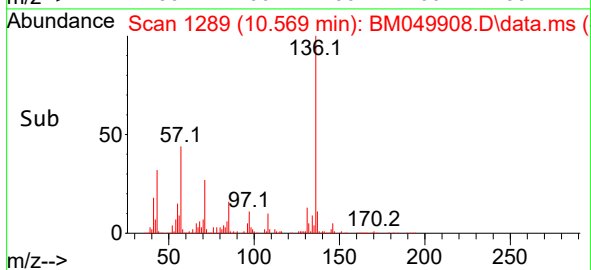
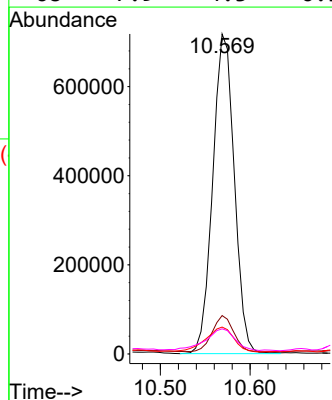
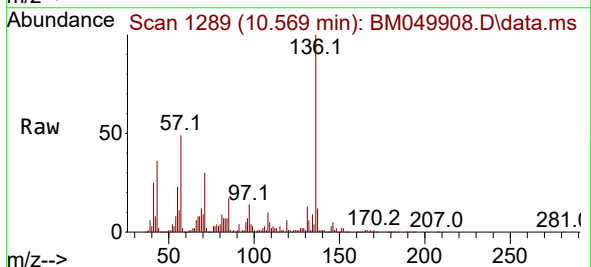
Instrument :
BNA_M
ClientSampleId :
TP-7C

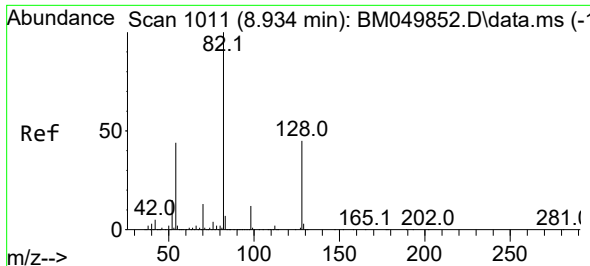
Tgt Ion: 99 Resp: 511215
Ion Ratio Lower Upper
99 100
42 16.1 12.1 18.1
71 41.0 24.9 37.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049908.D
Acq: 11 Apr 2025 19:32

Tgt Ion: 136 Resp: 1196803
Ion Ratio Lower Upper
136 100
137 12.0 8.4 12.6
54 8.4 5.3 7.9#
68 7.9 4.3 6.5#





#23

Nitrobenzene-d5

Concen: 14.655 ng

RT: 8.928 min Scan# 1010

Delta R.T. -0.006 min

Lab File: BM049908.D

Acq: 11 Apr 2025 19:32

Instrument :

BNA_M

ClientSampleId :

TP-7C

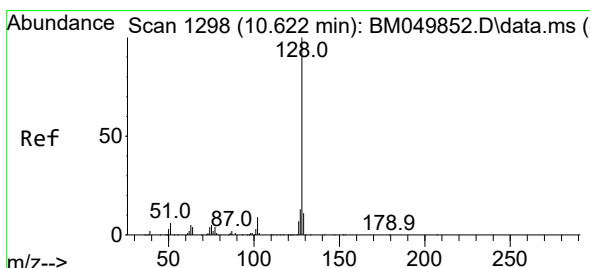
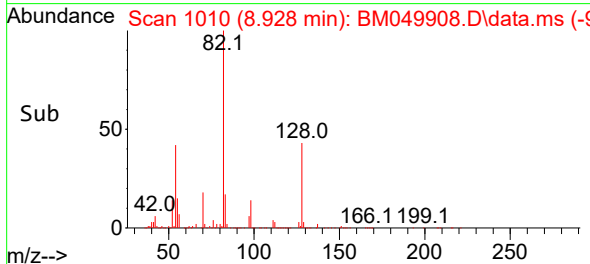
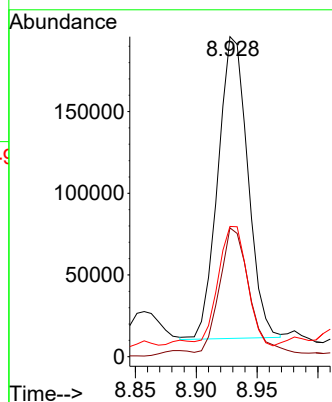
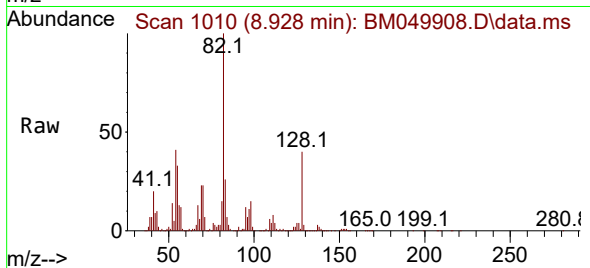
Tgt Ion: 82 Resp: 314968

Ion Ratio Lower Upper

82 100

128 40.2 36.2 54.2

54 40.7 35.0 52.6



#31

Naphthalene

Concen: 5.517 ng

RT: 10.622 min Scan# 1298

Delta R.T. 0.000 min

Lab File: BM049908.D

Acq: 11 Apr 2025 19:32

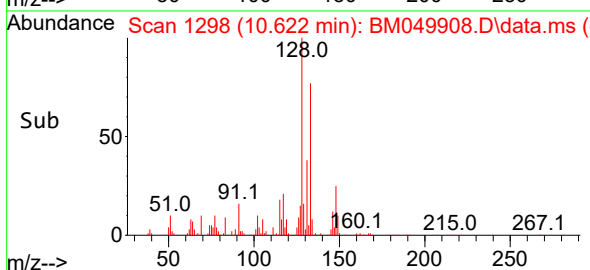
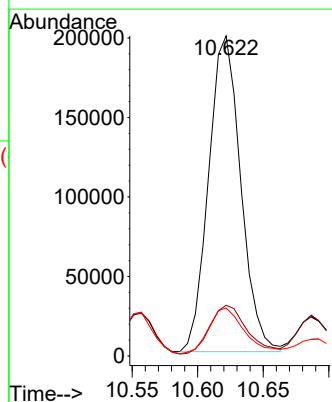
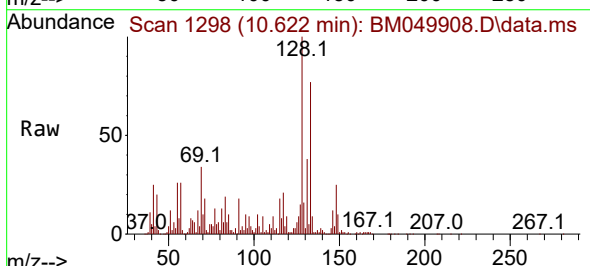
Tgt Ion: 128 Resp: 339285

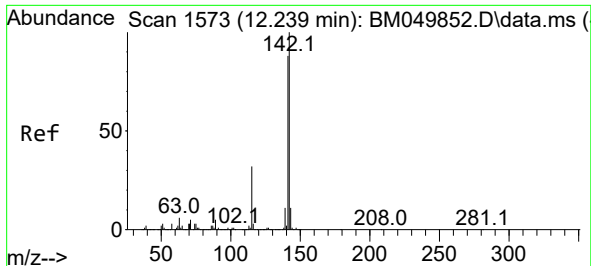
Ion Ratio Lower Upper

128 100

129 15.9 8.8 13.2#

127 15.0 10.6 15.8

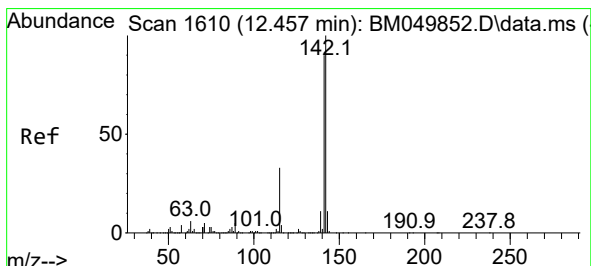
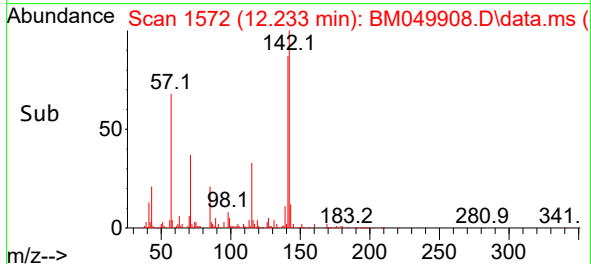
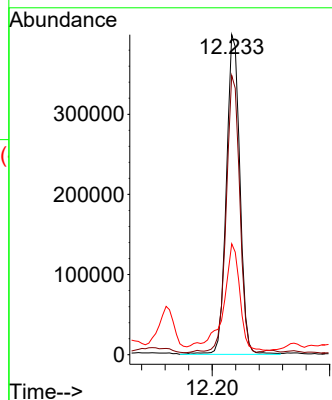
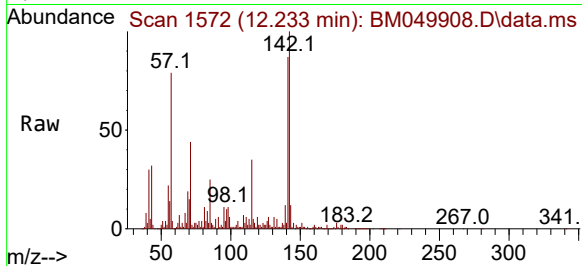




#37
2-Methylnaphthalene
Concen: 14.748 ng
RT: 12.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049908.D
Acq: 11 Apr 2025 19:32

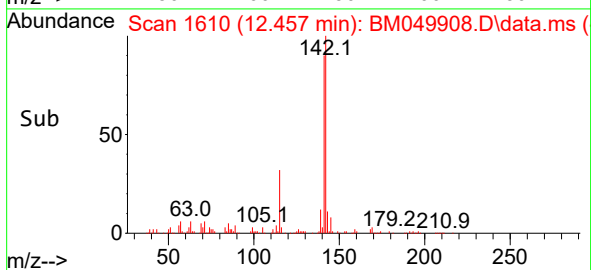
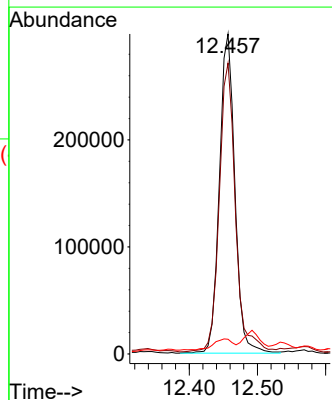
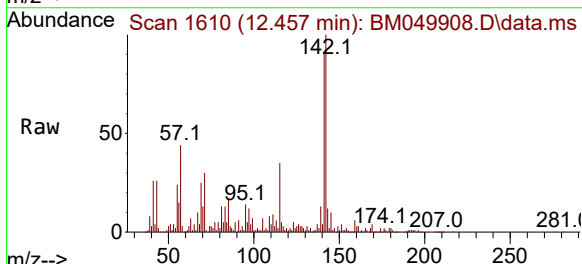
Instrument :
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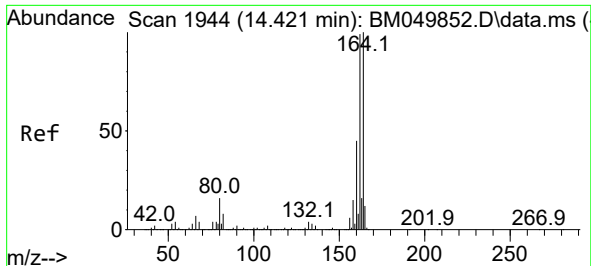
Tgt Ion:142 Resp: 638987
Ion Ratio Lower Upper
142 100
141 87.3 70.2 105.2
115 34.6 25.4 38.2



#38
1-Methylnaphthalene
Concen: 11.180 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049908.D
Acq: 11 Apr 2025 19:32

Tgt Ion:142 Resp: 471929
Ion Ratio Lower Upper
142 100
141 90.9 72.2 108.2
116 4.6 2.9 4.3#

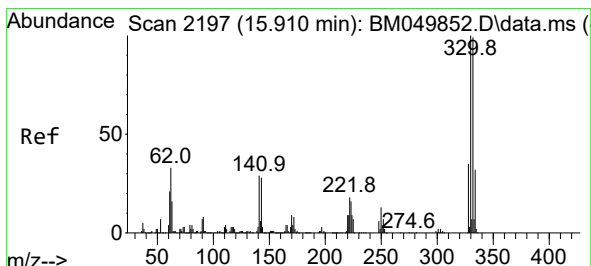
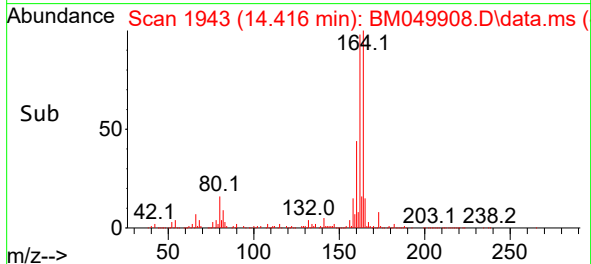
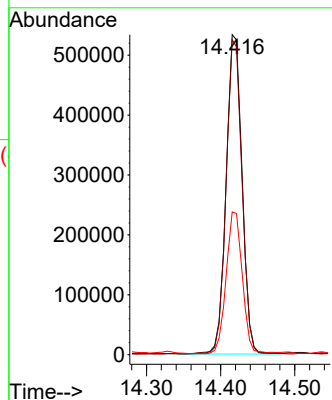
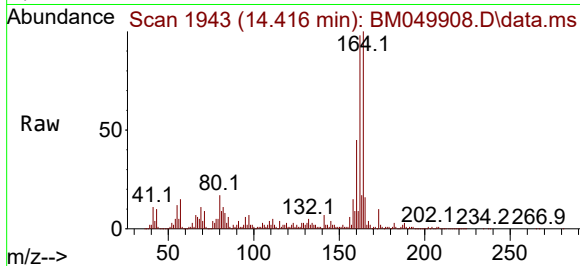




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049908.D
Acq: 11 Apr 2025 19:32

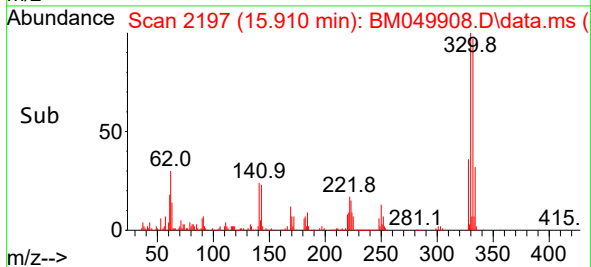
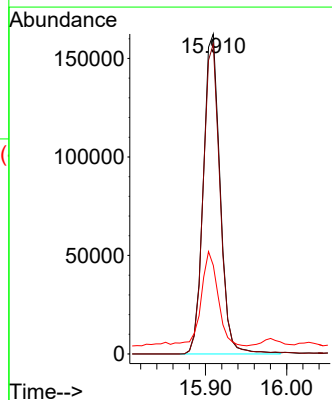
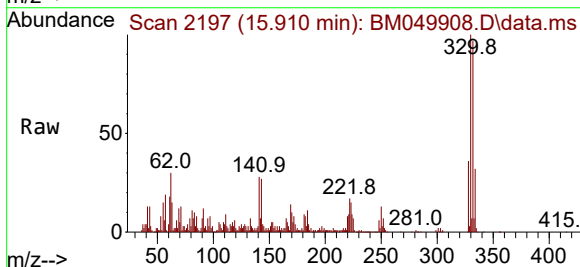
Instrument :
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ClientSampleId :
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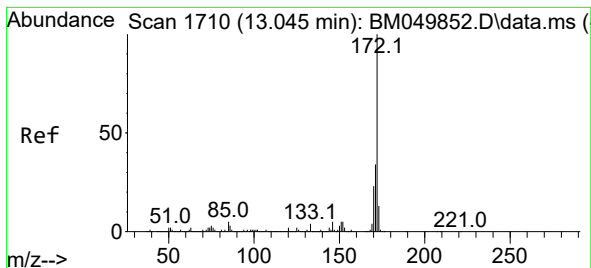
Tgt Ion:164 Resp: 797301
Ion Ratio Lower Upper
164 100
162 98.4 79.4 119.0
160 44.6 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 20.039 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049908.D
Acq: 11 Apr 2025 19:32

Tgt Ion:330 Resp: 232391
Ion Ratio Lower Upper
330 100
332 96.9 78.0 117.0
141 30.5 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 13.204 ng

RT: 13.039 min Scan# 1710

Delta R.T. -0.006 min

Lab File: BM049908.D

Acq: 11 Apr 2025 19:32

Instrument :

BNA_M

ClientSampleId :

TP-7C

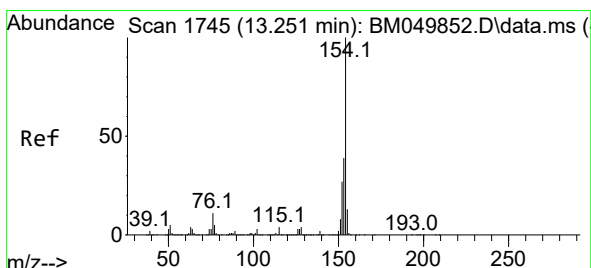
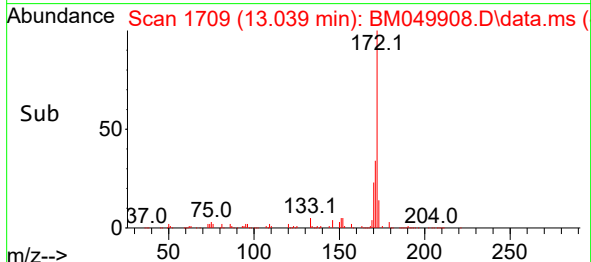
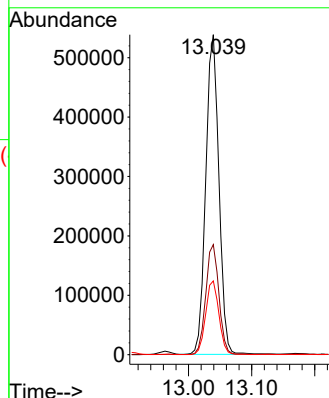
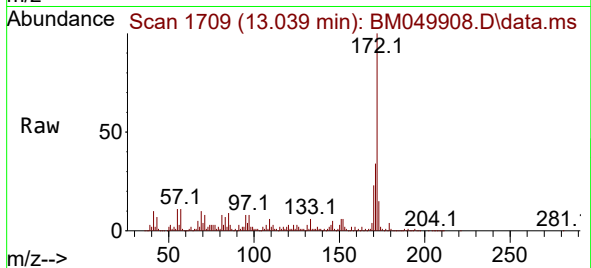
Tgt Ion:172 Resp: 776369

Ion Ratio Lower Upper

172 100

171 34.4 27.4 41.2

170 23.1 18.6 28.0



#46

1,1'-Biphenyl

Concen: 2.645 ng

RT: 13.251 min Scan# 1745

Delta R.T. 0.000 min

Lab File: BM049908.D

Acq: 11 Apr 2025 19:32

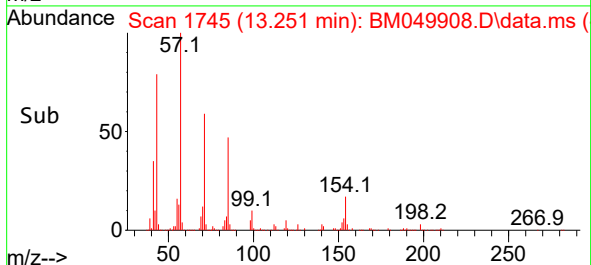
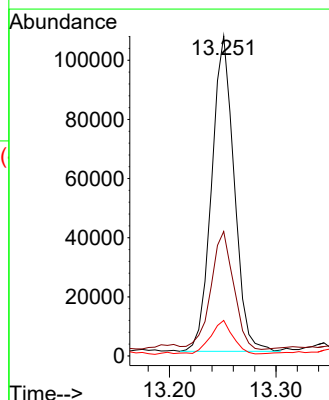
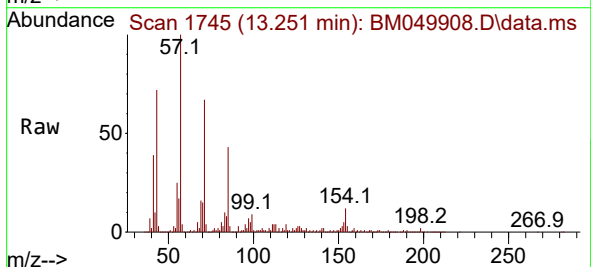
Tgt Ion:154 Resp: 156761

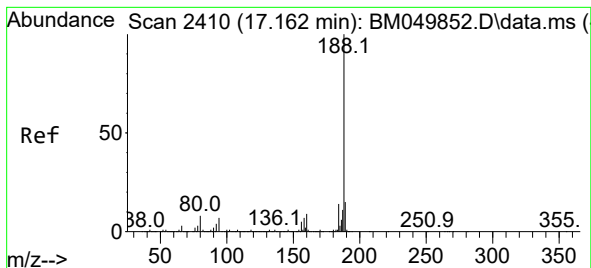
Ion Ratio Lower Upper

154 100

153 38.9 19.3 59.3

76 11.1 0.0 30.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.162 min Scan# 2410

Delta R.T. 0.000 min

Lab File: BM049908.D

Acq: 11 Apr 2025 19:32

Instrument :

BNA_M

ClientSampleId :

TP-7C

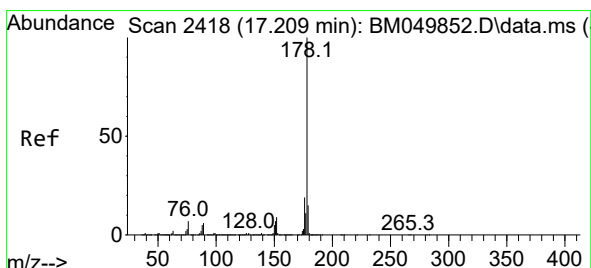
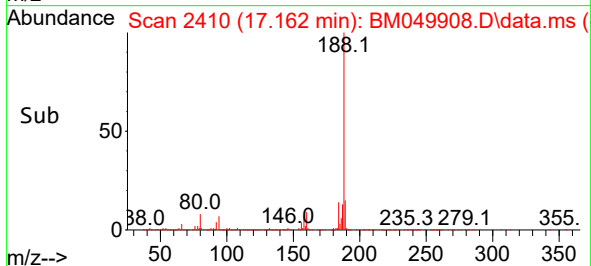
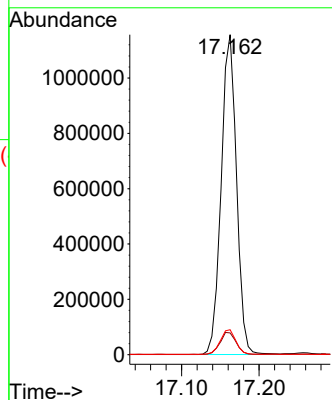
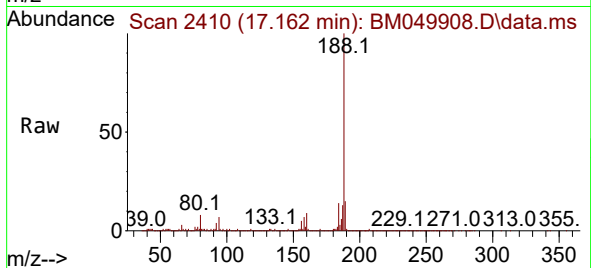
Tgt Ion:188 Resp: 1590646

Ion Ratio Lower Upper

188 100

94 6.8 5.8 8.6

80 7.8 6.4 9.6



#71

Phenanthrene

Concen: 3.554 ng

RT: 17.204 min Scan# 2417

Delta R.T. -0.006 min

Lab File: BM049908.D

Acq: 11 Apr 2025 19:32

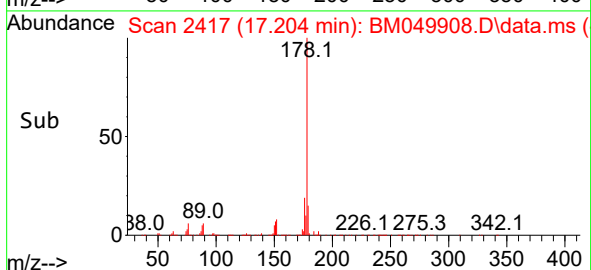
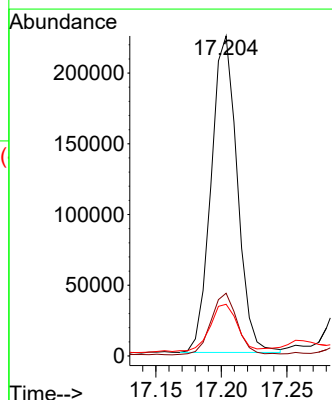
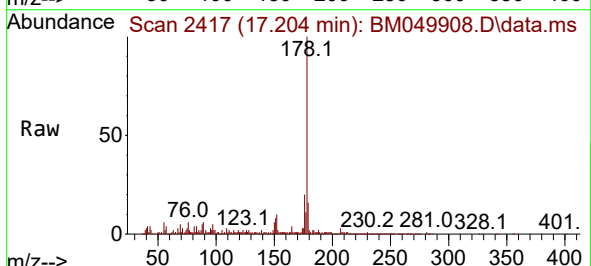
Tgt Ion:178 Resp: 309932

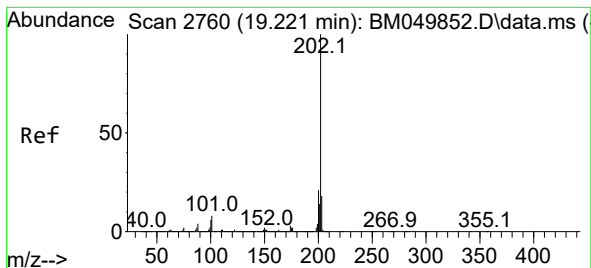
Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

179 16.1 12.3 18.5





#75

Fluoranthene

Concen: 4.029 ng

RT: 19.215 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049908.D

Acq: 11 Apr 2025 19:32

Instrument :

BNA_M

ClientSampleId :

TP-7C

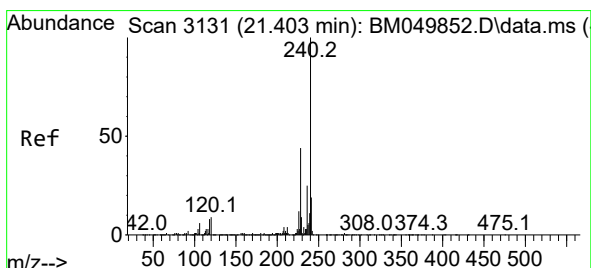
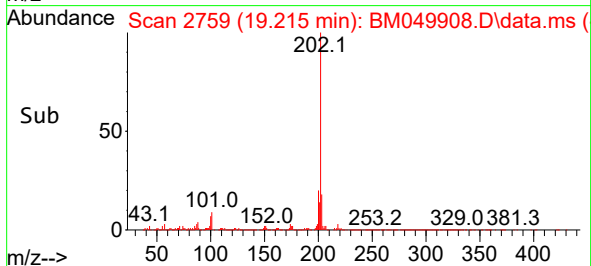
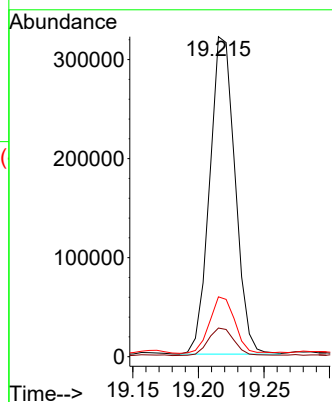
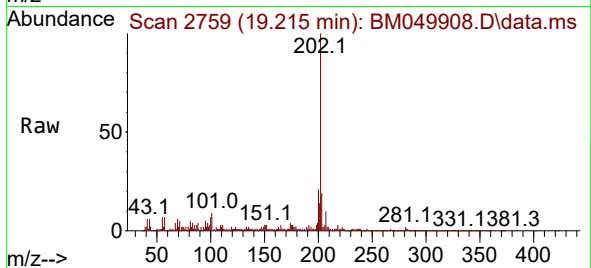
Tgt Ion:202 Resp: 432052

Ion Ratio Lower Upper

202 100

101 9.0 0.0 28.4

203 18.7 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.398 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BM049908.D

Acq: 11 Apr 2025 19:32

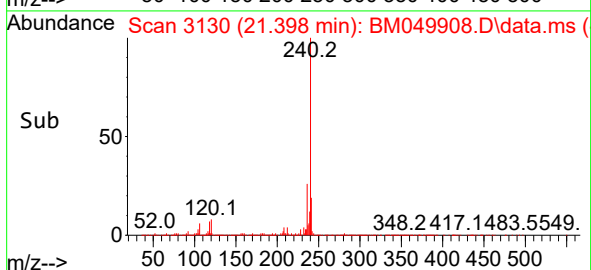
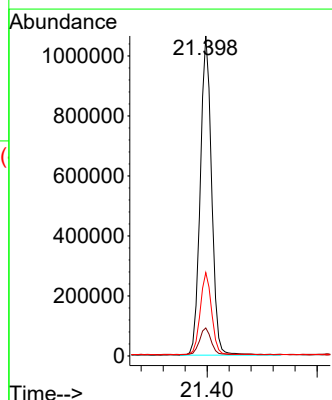
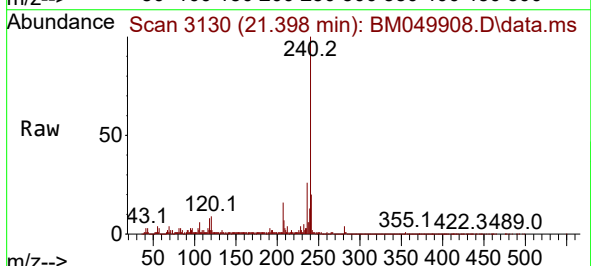
Tgt Ion:240 Resp: 1525389

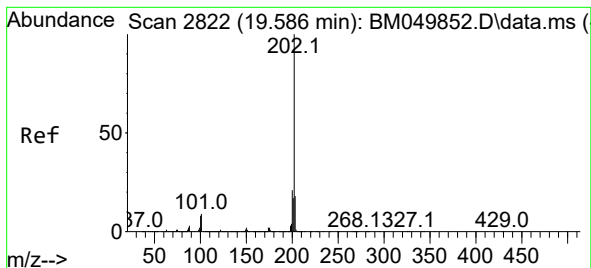
Ion Ratio Lower Upper

240 100

120 8.8 6.9 10.3

236 26.1 20.4 30.6





#78

Pyrene

Concen: 4.263 ng

RT: 19.580 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM049908.D

Acq: 11 Apr 2025 19:32

Instrument :

BNA_M

ClientSampleId :

TP-7C

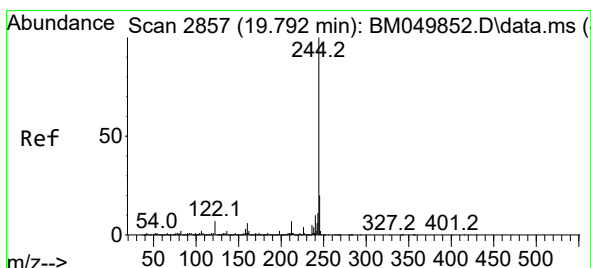
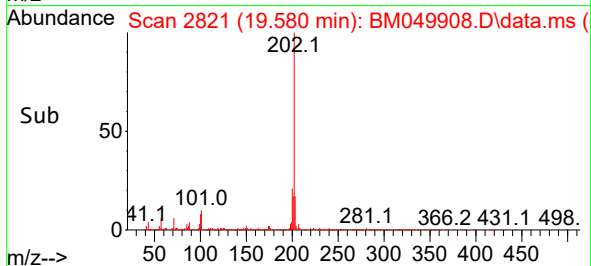
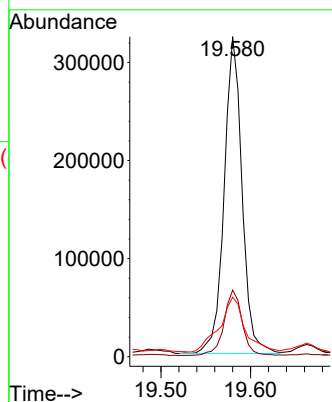
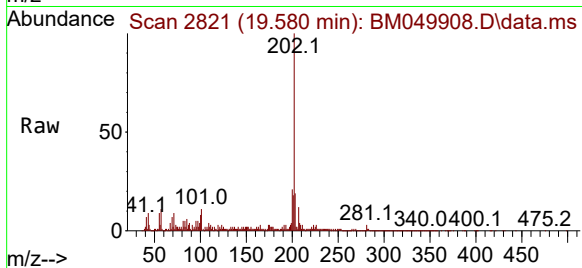
Tgt Ion:202 Resp: 448140

Ion Ratio Lower Upper

202 100

200 20.8 16.5 24.7

203 18.6 14.0 21.0



#79

Terphenyl-d14

Concen: 13.094 ng

RT: 19.786 min Scan# 2856

Delta R.T. -0.006 min

Lab File: BM049908.D

Acq: 11 Apr 2025 19:32

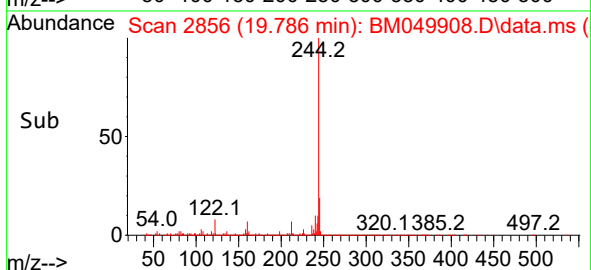
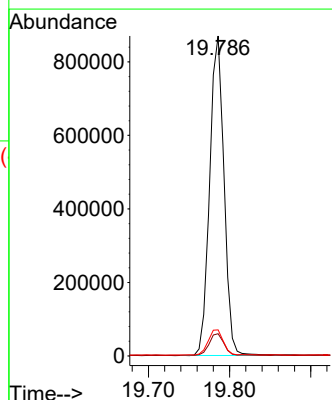
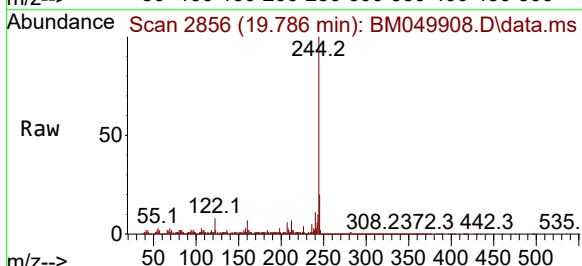
Tgt Ion:244 Resp: 1065789

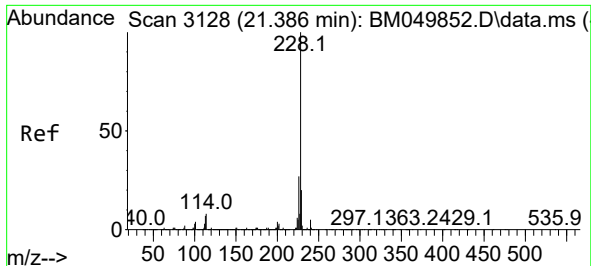
Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 8.1 5.4 8.0#

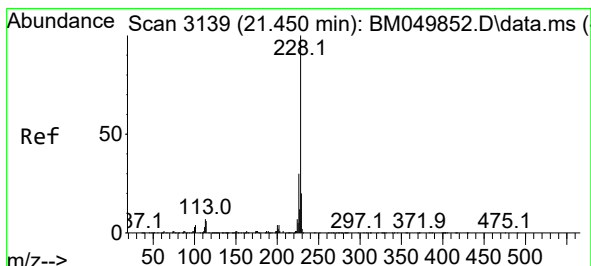
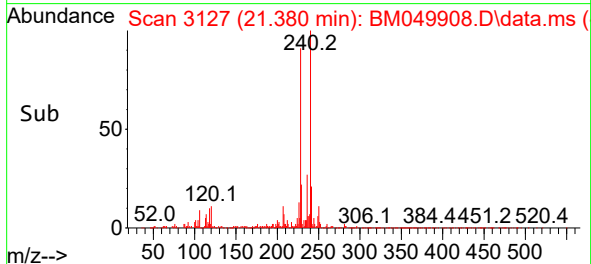
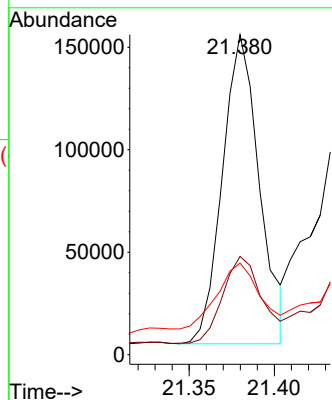
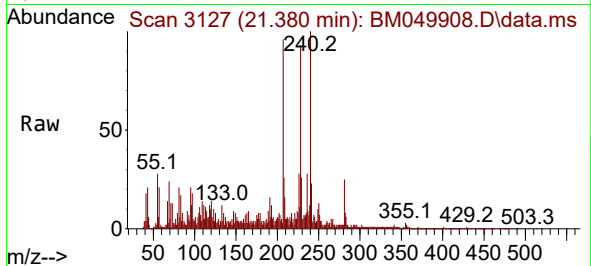




#81
Benzo(a)anthracene
Concen: 2.242 ng
RT: 21.380 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BM049908.D
Acq: 11 Apr 2025 19:32

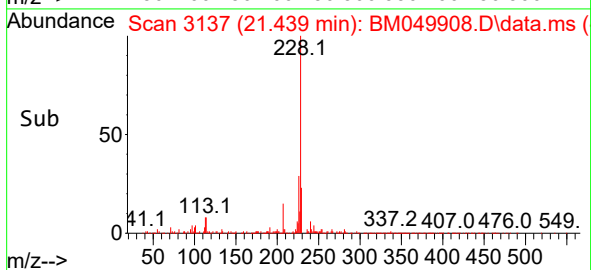
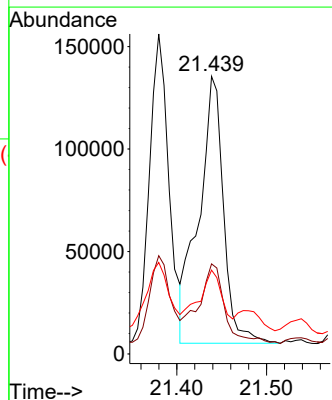
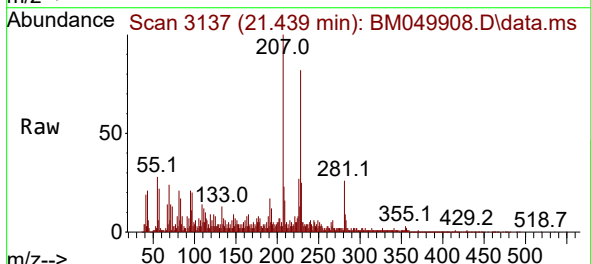
Instrument :
BNA_M
ClientSampleId :
TP-7C

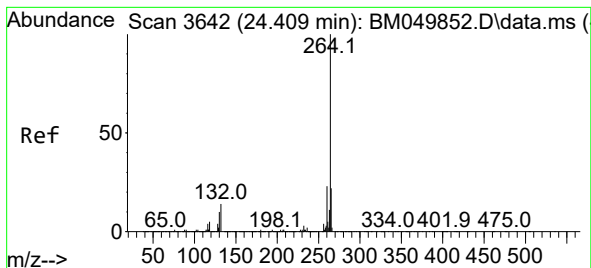
Tgt Ion:228 Resp: 227291
Ion Ratio Lower Upper
228 100
226 30.7 21.8 32.8
229 28.6 15.8 23.8#



#83
Chrysene
Concen: 2.593 ng
RT: 21.439 min Scan# 3137
Delta R.T. -0.012 min
Lab File: BM049908.D
Acq: 11 Apr 2025 19:32

Tgt Ion:228 Resp: 249952
Ion Ratio Lower Upper
228 100
226 32.5 24.1 36.1
229 30.2 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.403 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM049908.D

Acq: 11 Apr 2025 19:32

Instrument :

BNA_M

ClientSampleId :

TP-7C

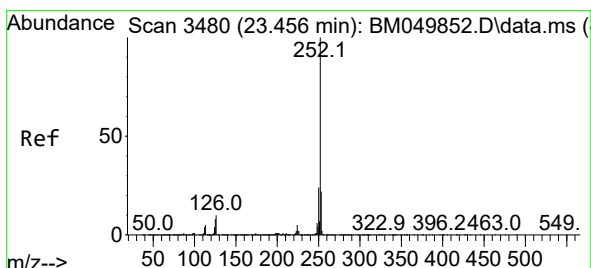
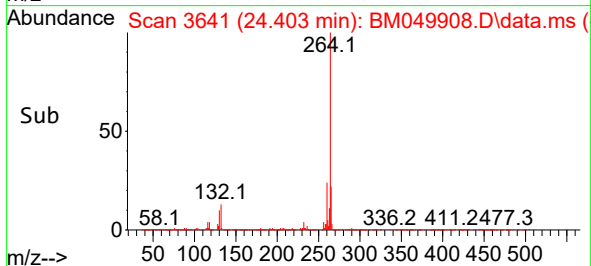
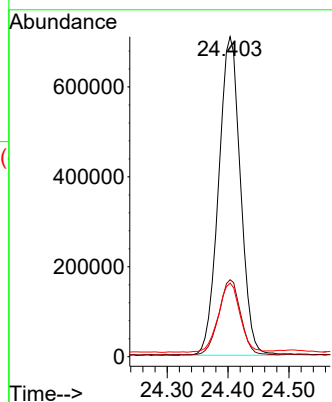
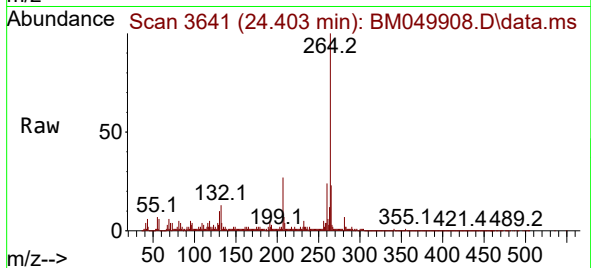
Tgt Ion:264 Resp: 1767718

Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 23.0 17.8 26.8



#88

Benzo(b)fluoranthene

Concen: 2.881 ng

RT: 23.450 min Scan# 3479

Delta R.T. -0.006 min

Lab File: BM049908.D

Acq: 11 Apr 2025 19:32

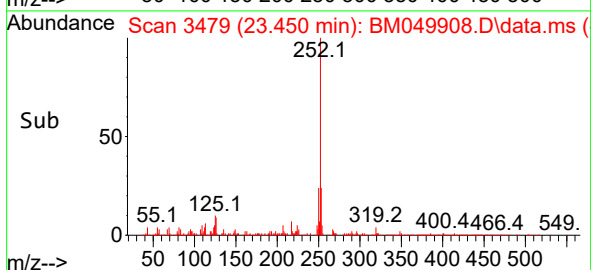
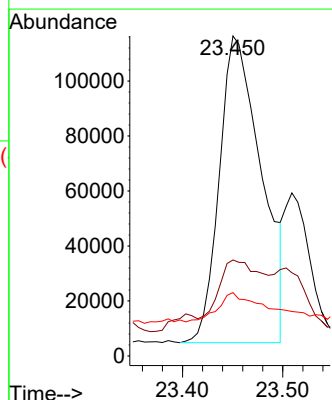
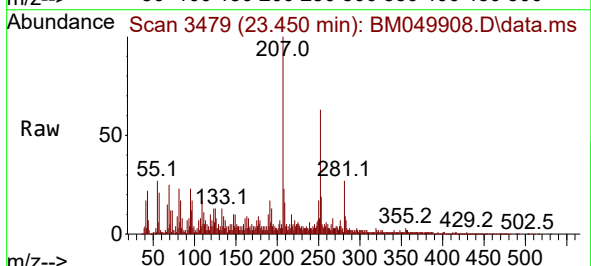
Tgt Ion:252 Resp: 325236

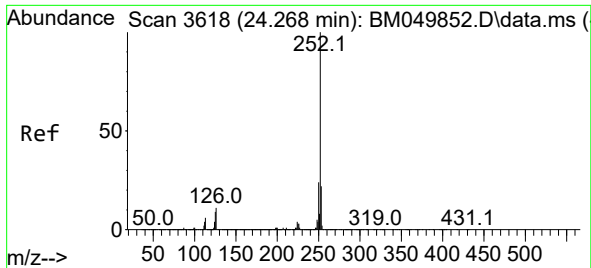
Ion Ratio Lower Upper

252 100

253 30.0 17.5 26.3#

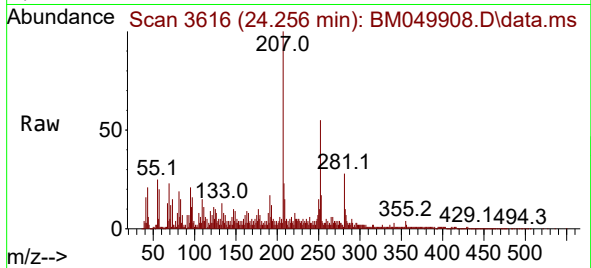
125 19.8 6.2 9.4#





#90
 Benzo(a)pyrene
 Concen: 2.445 ng
 RT: 24.256 min Scan# 30
 Delta R.T. -0.012 min
 Lab File: BM049908.D
 Acq: 11 Apr 2025 19:32

Instrument :
 BNA_M
 ClientSampleId :
 TP-7C



Tgt Ion:252 Resp: 242520
 Ion Ratio Lower Upper
 252 100
 253 30.7 17.8 26.8#
 125 18.8 7.0 10.4#

