

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
 Data File : BM049902.D
 Acq On : 11 Apr 2025 15:36
 Operator : RC/JU
 Sample : Q1771-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-3A

Quant Time: Apr 11 16:23:58 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)

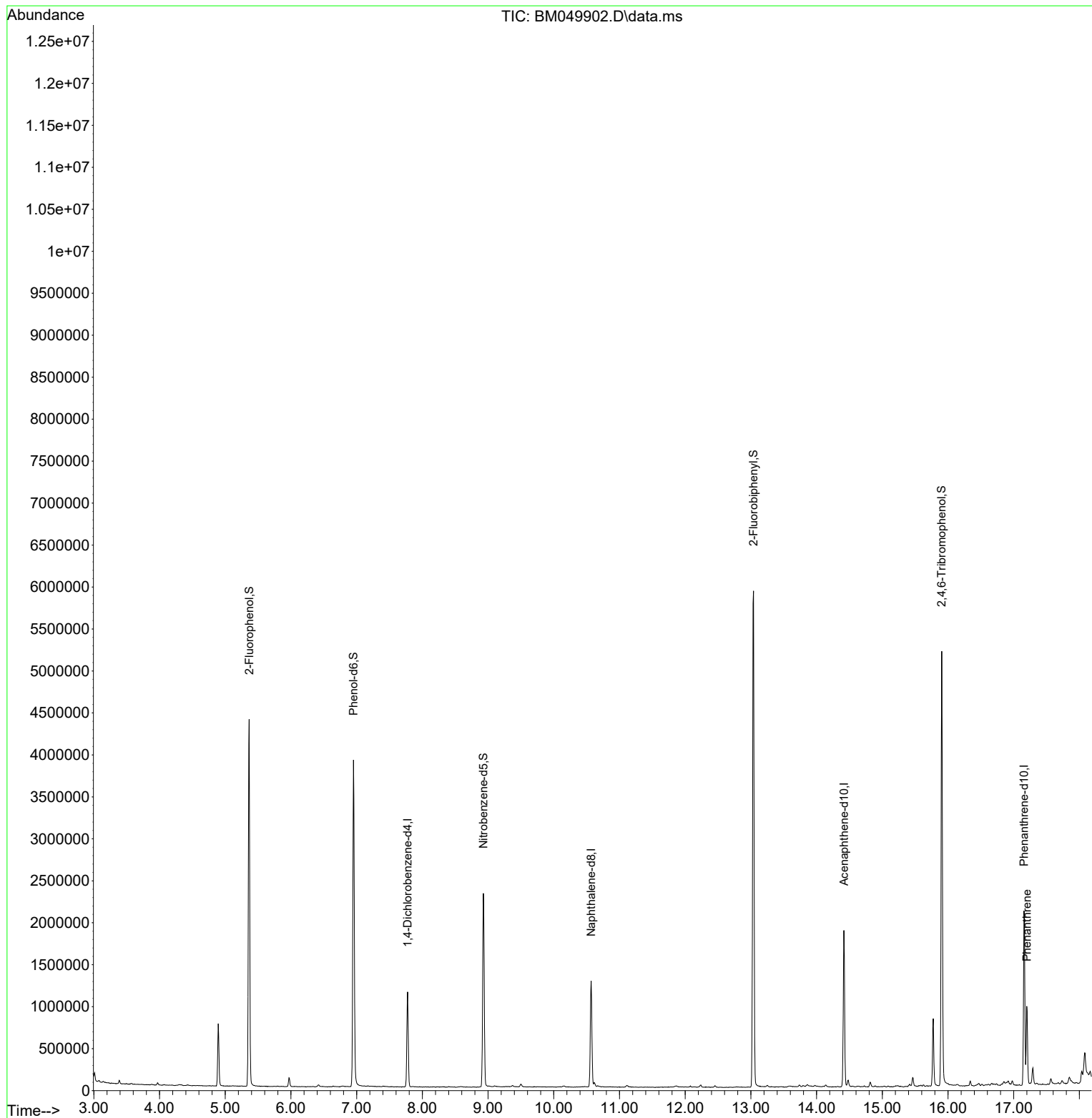
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	318288	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1072377	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	674862	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1281737	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1226733	20.000	ng	0.00
86) Perylene-d12	24.392	264	1305987	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.364	112	1964281	104.795	ng	0.00
7) Phenol-d6	6.952	99	2353959	100.937	ng	0.00
23) Nitrobenzene-d5	8.928	82	1344405	69.811	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1034010	105.338	ng	0.00
45) 2-Fluorobiphenyl	13.040	172	3373588	67.786	ng	0.00
79) Terphenyl-d14	19.786	244	4844216	74.004	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.198	178	593425	8.445	ng	98
75) Fluoranthene	19.216	202	802687	9.290	ng	99
78) Pyrene	19.580	202	678708	8.028	ng	100
81) Benzo(a)anthracene	21.380	228	343827	4.217	ng	96
83) Chrysene	21.439	228	313551	4.045	ng	98
88) Benzo(b)fluoranthene	23.451	252	369137	4.426	ng	# 95
90) Benzo(a)pyrene	24.251	252	269553	3.678	ng	96
92) Benzo(g,h,i)perylene	28.815	276	166609	2.033	ng	95

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

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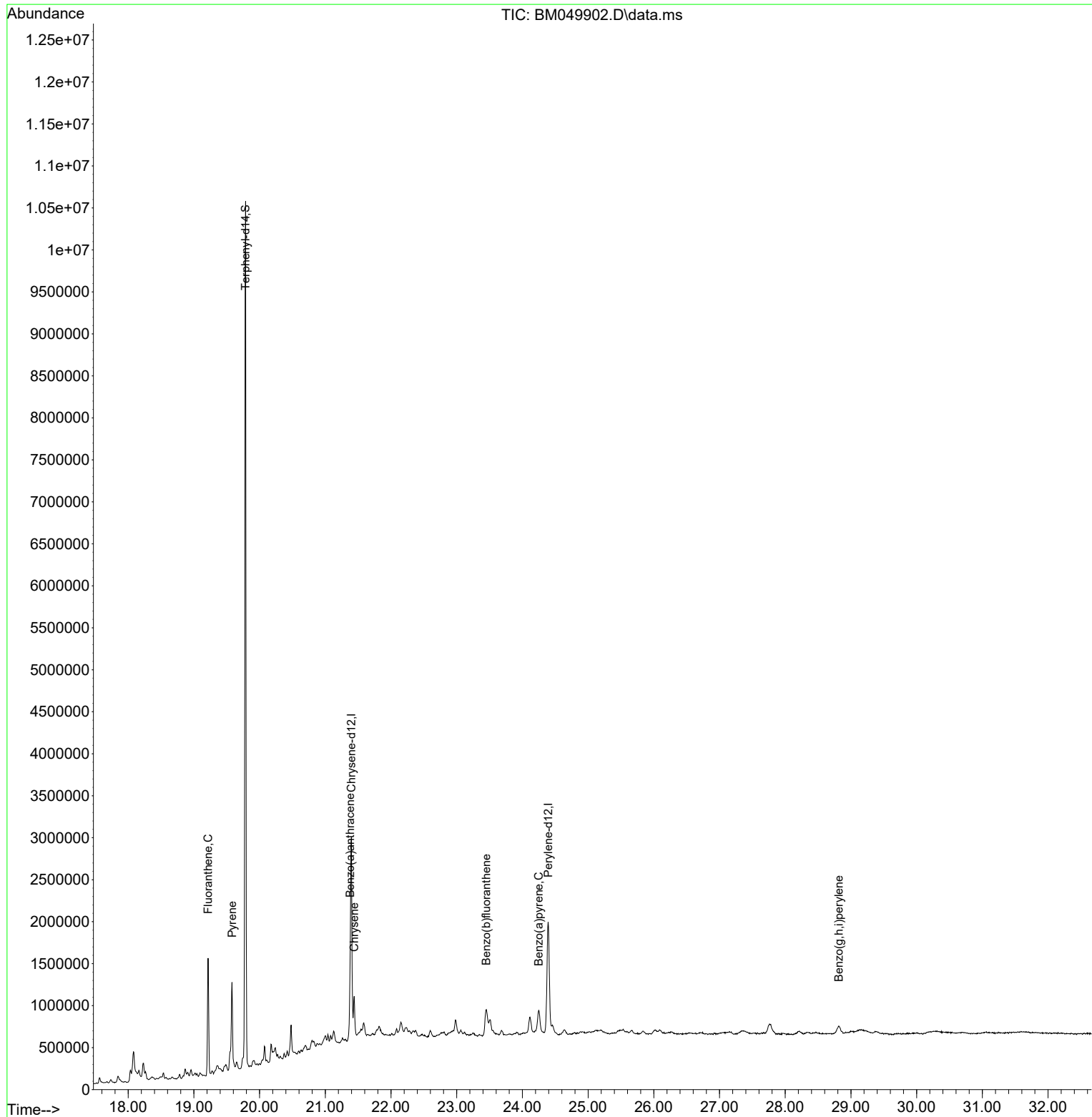
Quant Time: Apr 11 16:23:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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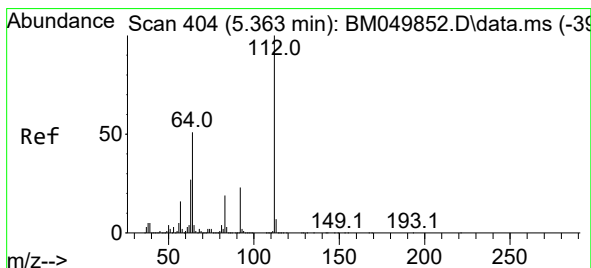
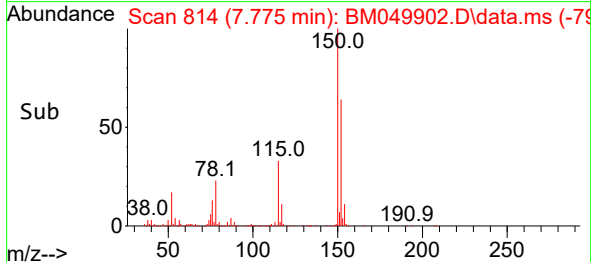
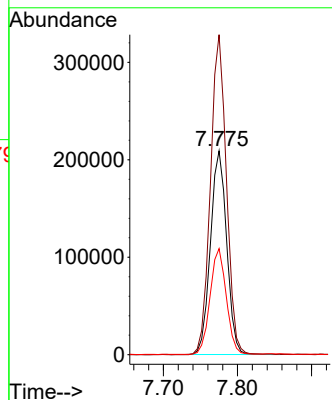
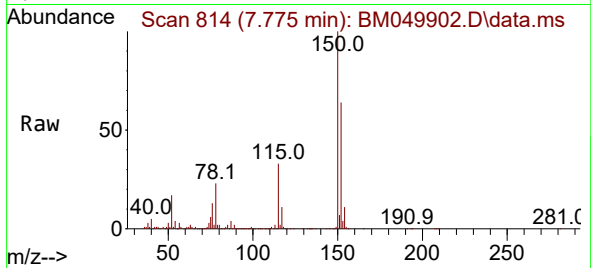




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM049902.D
Acq: 11 Apr 2025 15:36

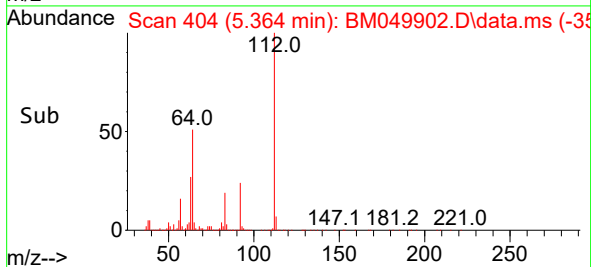
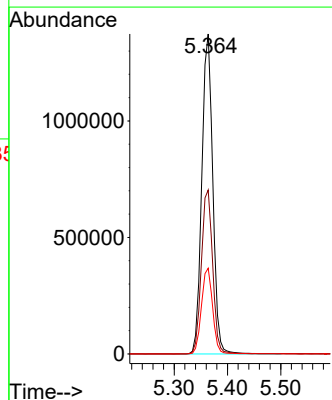
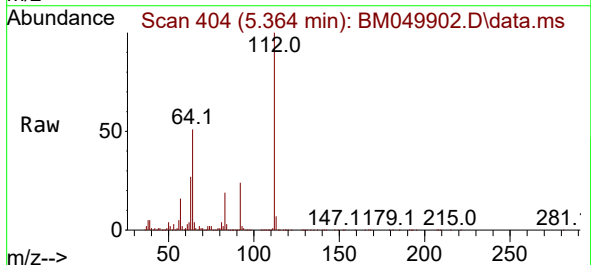
Instrument :
BNA_M
ClientSampleId :
TP-3A

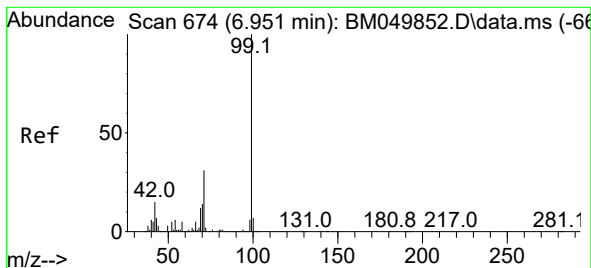
Tgt Ion:152 Resp: 318288
Ion Ratio Lower Upper
152 100
150 157.0 124.3 186.5
115 52.1 41.1 61.7



#5
2-Fluorophenol
Concen: 104.795 ng
RT: 5.364 min Scan# 404
Delta R.T. 0.000 min
Lab File: BM049902.D
Acq: 11 Apr 2025 15:36

Tgt Ion:112 Resp: 1964281
Ion Ratio Lower Upper
112 100
64 51.2 41.0 61.6
63 26.8 21.5 32.3





#7

Phenol-d6

Concen: 100.937 ng

RT: 6.952 min Scan# 61

Delta R.T. 0.000 min

Lab File: BM049902.D

Acq: 11 Apr 2025 15:36

Instrument :

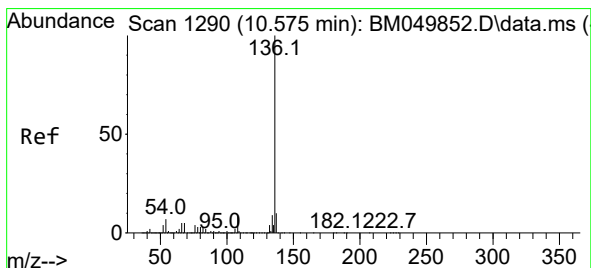
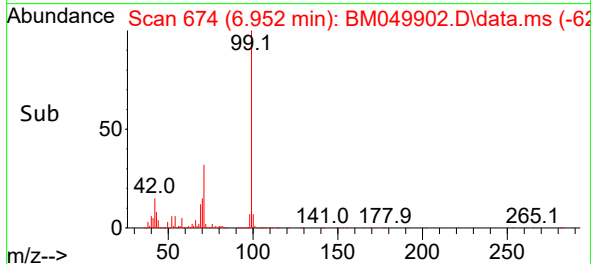
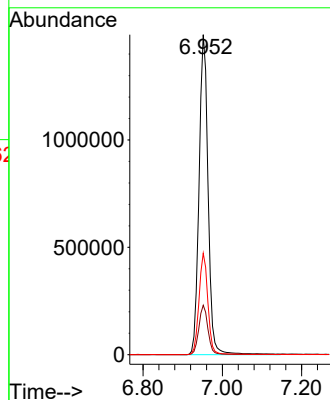
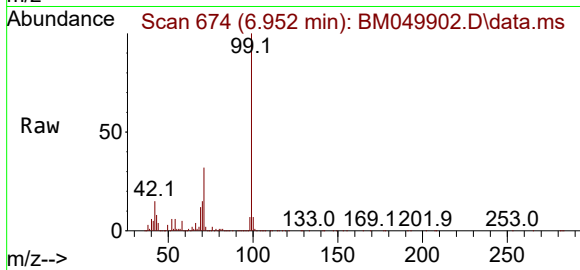
BNA_M

ClientSampleId :

TP-3A

Tgt Ion: 99 Resp: 2353959

Ion	Ratio	Lower	Upper
99	100		
42	15.5	12.1	18.1
71	31.7	24.9	37.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.569 min Scan# 1289

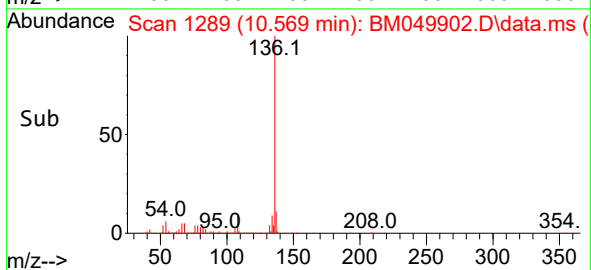
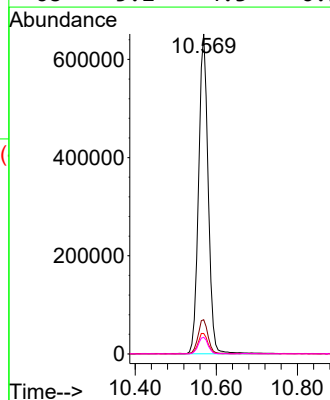
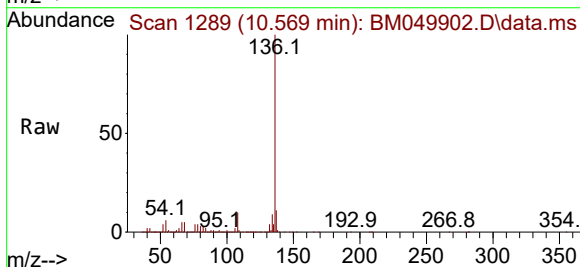
Delta R.T. -0.005 min

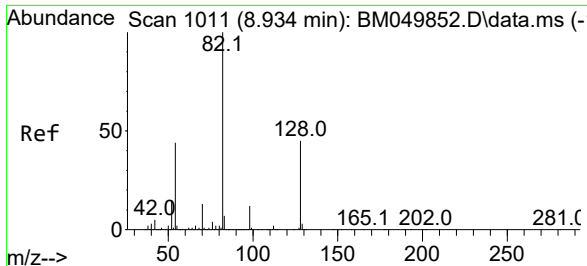
Lab File: BM049902.D

Acq: 11 Apr 2025 15:36

Tgt Ion: 136 Resp: 1072377

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	6.4	5.3	7.9
68	5.2	4.3	6.5

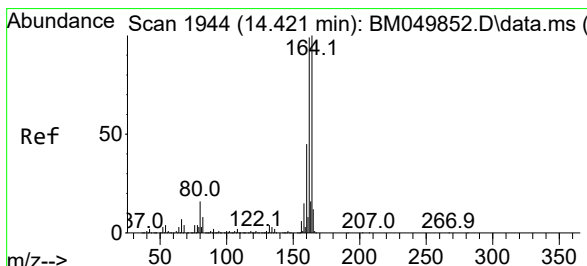
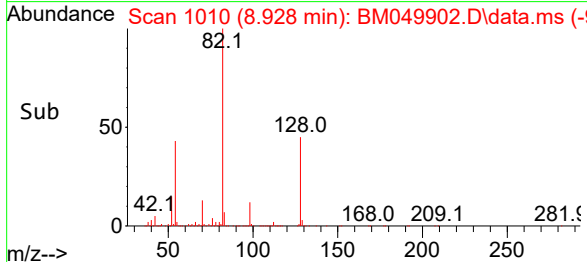
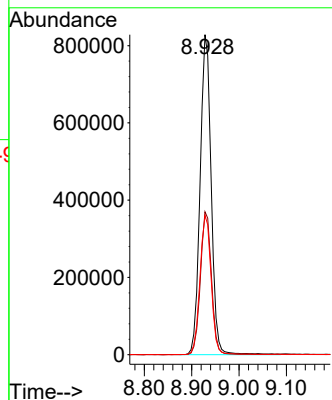
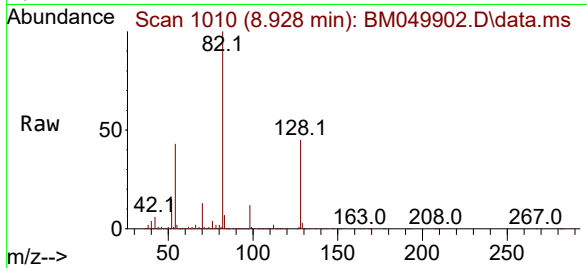




#23
Nitrobenzene-d5
Concen: 69.811 ng
RT: 8.928 min Scan# 1010
Delta R.T. -0.005 min
Lab File: BM049902.D
Acq: 11 Apr 2025 15:36

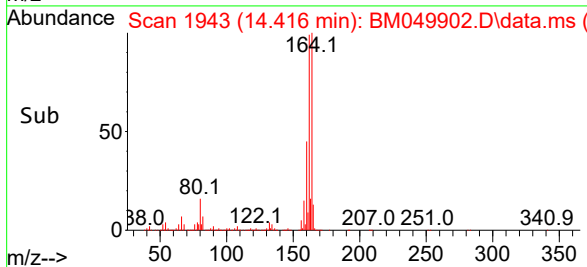
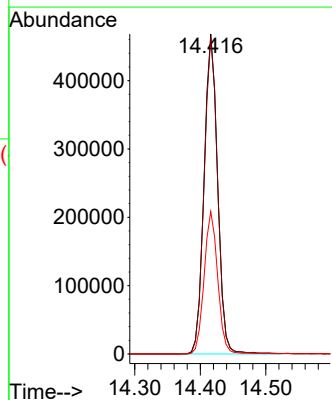
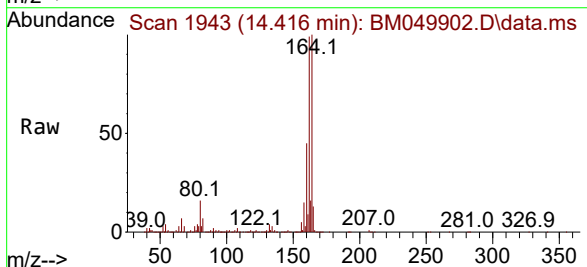
Instrument :
BNA_M
ClientSampleId :
TP-3A

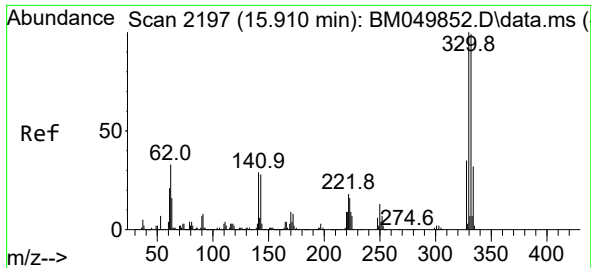
Tgt Ion: 82 Resp: 1344405
Ion Ratio Lower Upper
82 100
128 44.7 36.2 54.2
54 43.5 35.0 52.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.005 min
Lab File: BM049902.D
Acq: 11 Apr 2025 15:36

Tgt Ion:164 Resp: 674862
Ion Ratio Lower Upper
164 100
162 98.9 79.4 119.0
160 44.5 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 105.338 ng

RT: 15.904 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM049902.D

Acq: 11 Apr 2025 15:36

Instrument :

BNA_M

ClientSampleId :

TP-3A

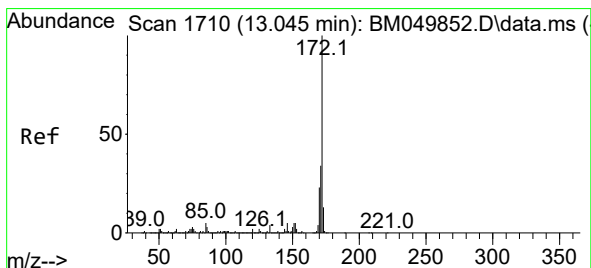
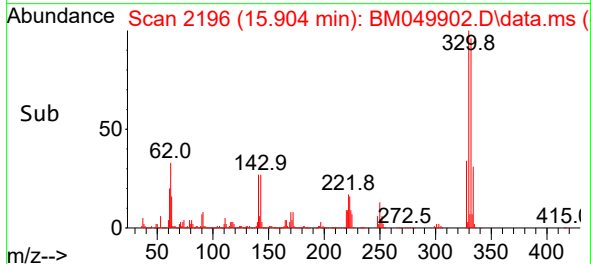
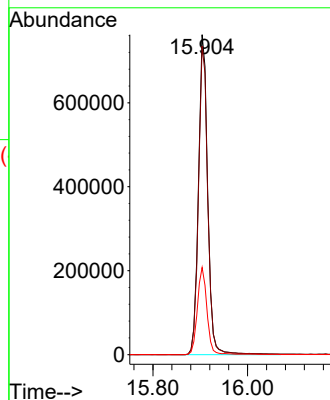
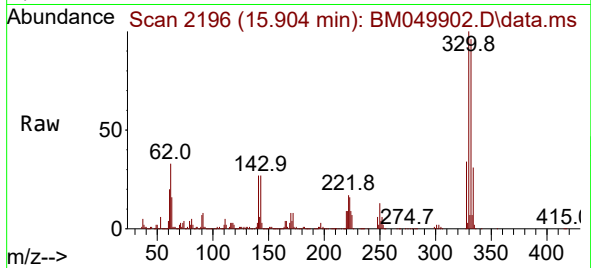
Tgt Ion:330 Resp: 1034010

Ion Ratio Lower Upper

330 100

332 97.1 78.0 117.0

141 28.3 23.5 35.3



#45

2-Fluorobiphenyl

Concen: 67.786 ng

RT: 13.040 min Scan# 1709

Delta R.T. -0.005 min

Lab File: BM049902.D

Acq: 11 Apr 2025 15:36

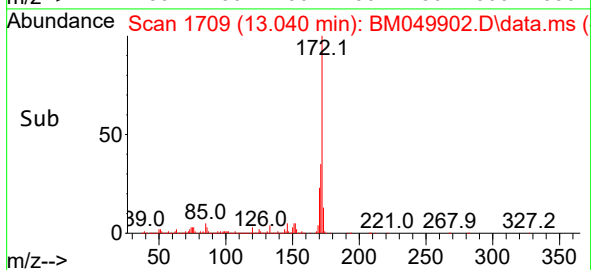
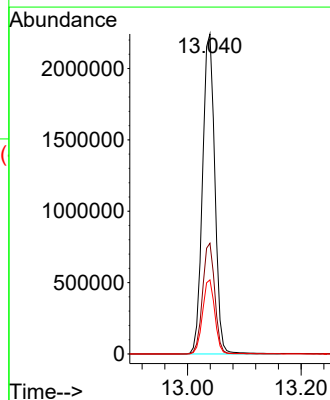
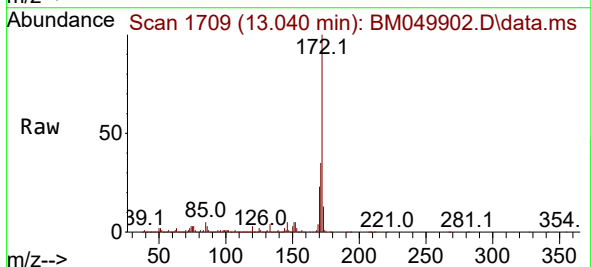
Tgt Ion:172 Resp: 3373588

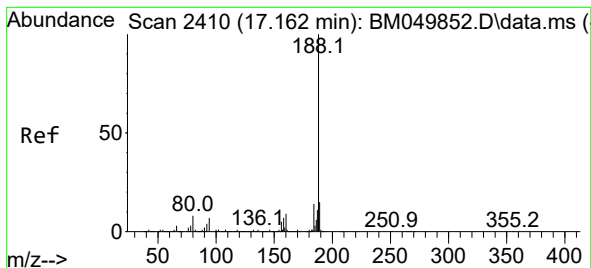
Ion Ratio Lower Upper

172 100

171 34.6 27.4 41.2

170 23.1 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2410

Delta R.T. -0.005 min

Lab File: BM049902.D

Acq: 11 Apr 2025 15:36

Instrument :

BNA_M

ClientSampleId :

TP-3A

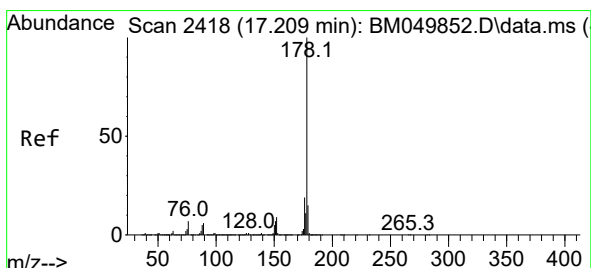
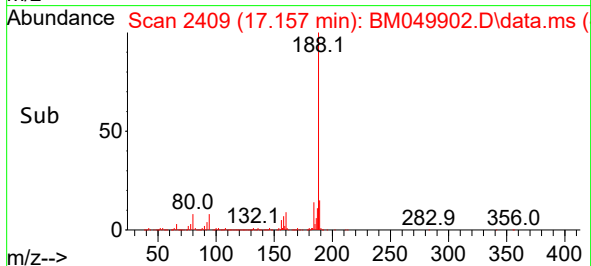
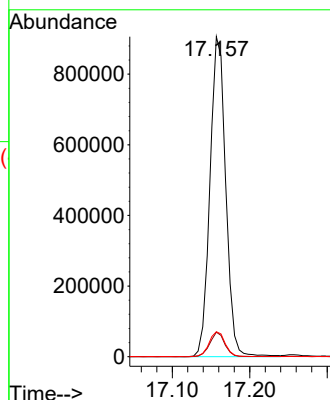
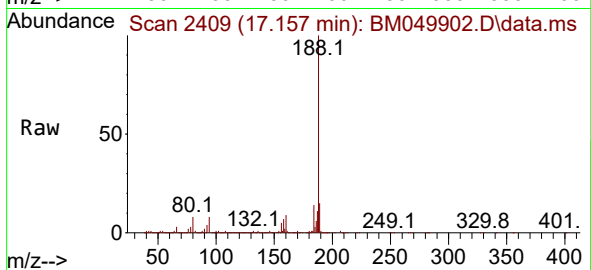
Tgt Ion:188 Resp: 1281737

Ion Ratio Lower Upper

188 100

94 7.7 5.8 8.6

80 7.8 6.4 9.6



#71

Phenanthrene

Concen: 8.445 ng

RT: 17.198 min Scan# 2416

Delta R.T. -0.011 min

Lab File: BM049902.D

Acq: 11 Apr 2025 15:36

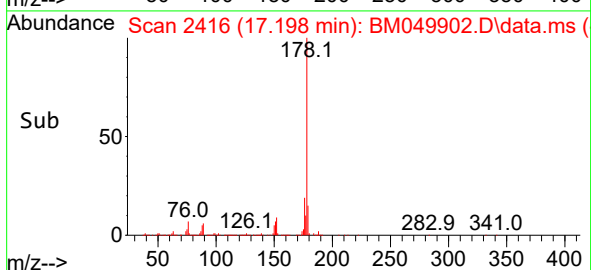
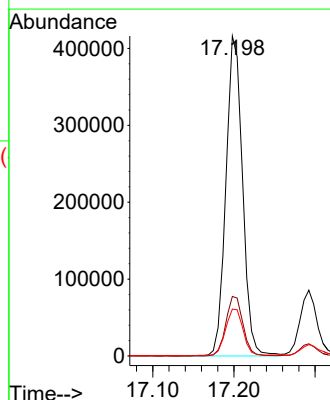
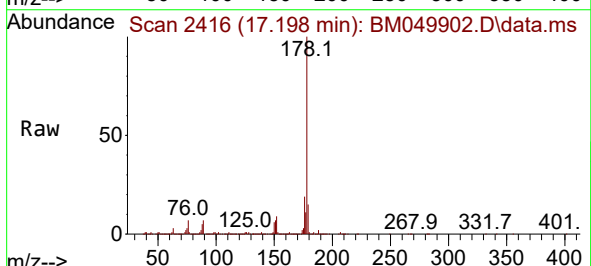
Tgt Ion:178 Resp: 593425

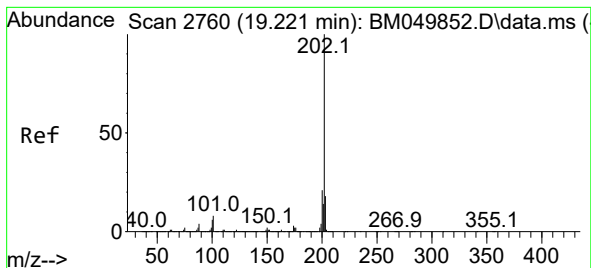
Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

179 14.6 12.3 18.5





#75

Fluoranthene

Concen: 9.290 ng

RT: 19.216 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM049902.D

Acq: 11 Apr 2025 15:36

Instrument :

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ClientSampleId :

TP-3A

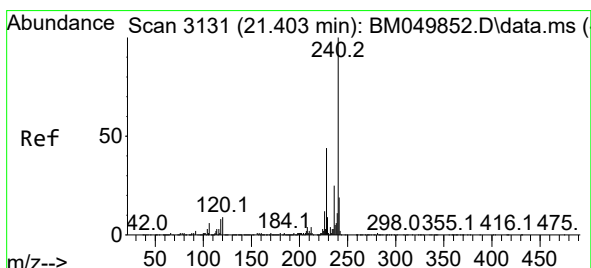
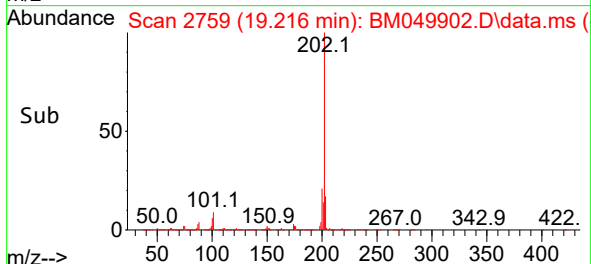
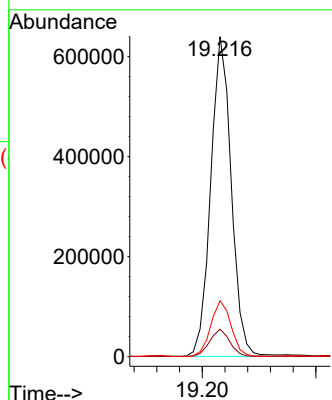
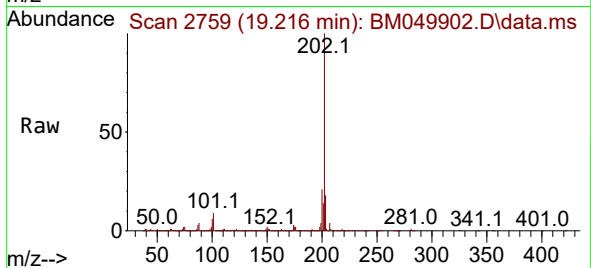
Tgt Ion:202 Resp: 802687

Ion Ratio Lower Upper

202 100

101 8.6 0.0 28.4

203 17.5 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.398 min Scan# 3130

Delta R.T. -0.005 min

Lab File: BM049902.D

Acq: 11 Apr 2025 15:36

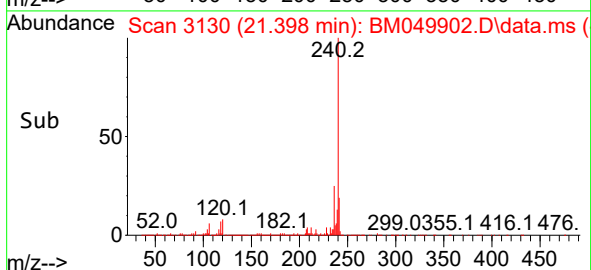
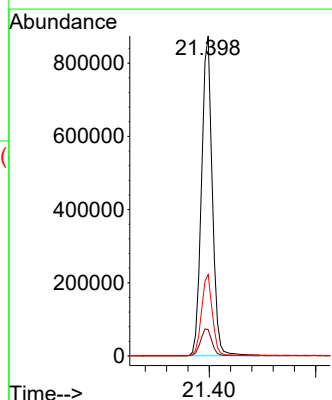
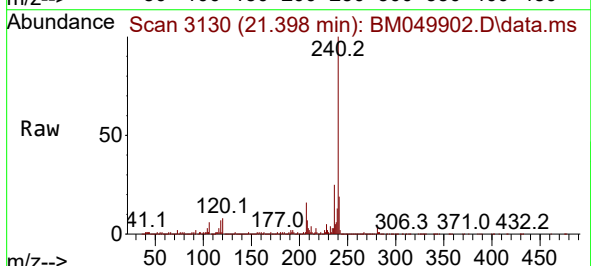
Tgt Ion:240 Resp: 1226733

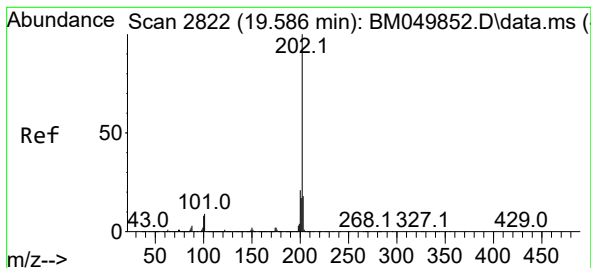
Ion Ratio Lower Upper

240 100

120 8.2 6.9 10.3

236 25.5 20.4 30.6





#78

Pyrene

Concen: 8.028 ng

RT: 19.580 min Scan# 2822

Delta R.T. -0.005 min

Lab File: BM049902.D

Acq: 11 Apr 2025 15:36

Instrument :

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ClientSampleId :

TP-3A

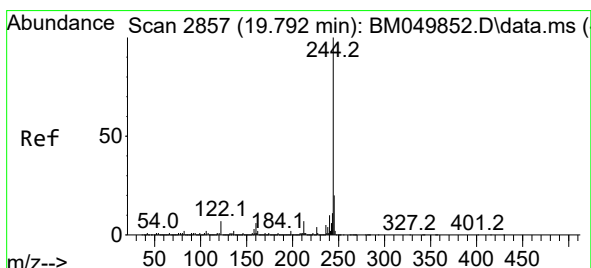
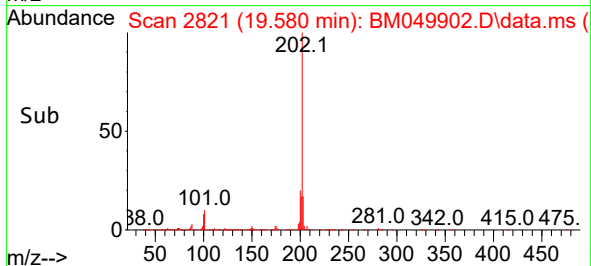
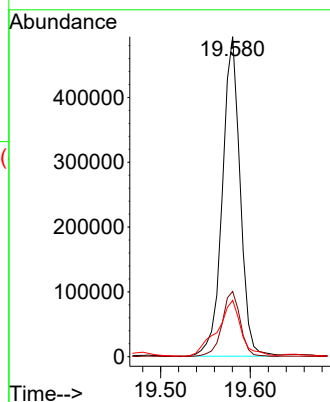
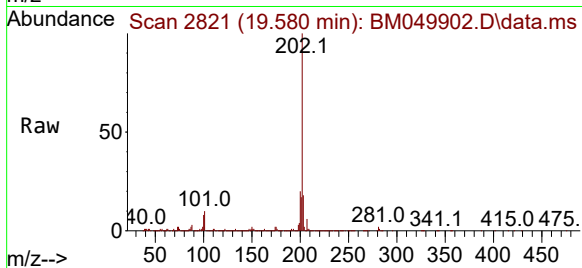
Tgt Ion:202 Resp: 678708

Ion Ratio Lower Upper

202 100

200 20.4 16.5 24.7

203 17.6 14.0 21.0



#79

Terphenyl-d14

Concen: 74.004 ng

RT: 19.786 min Scan# 2856

Delta R.T. -0.005 min

Lab File: BM049902.D

Acq: 11 Apr 2025 15:36

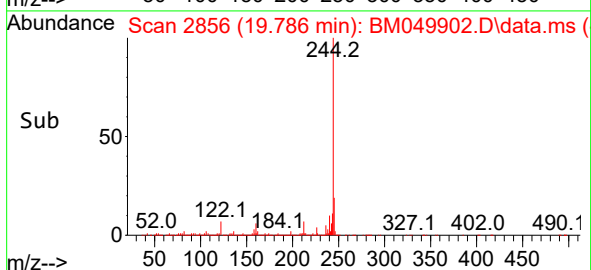
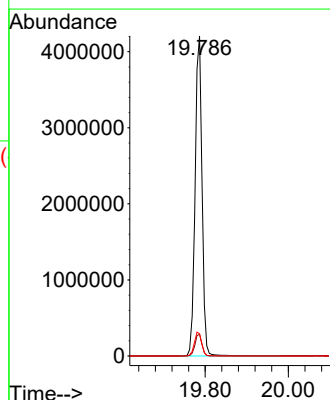
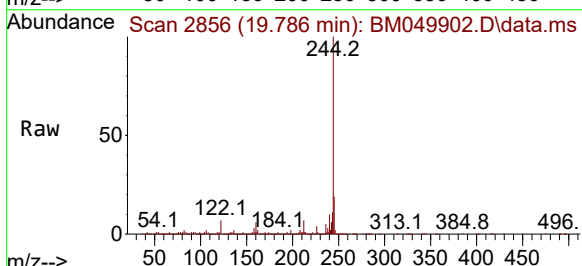
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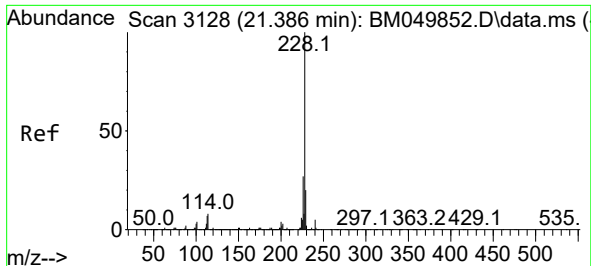
Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 7.0 5.4 8.0

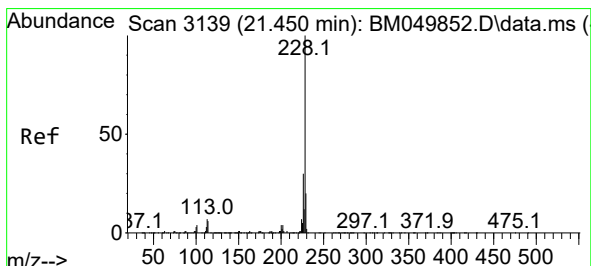
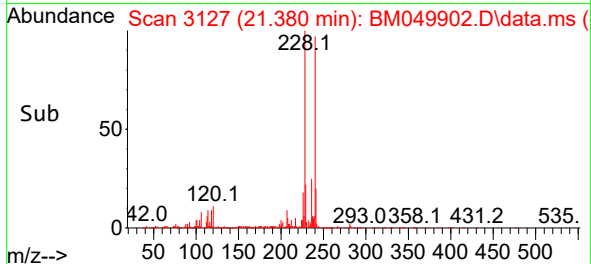
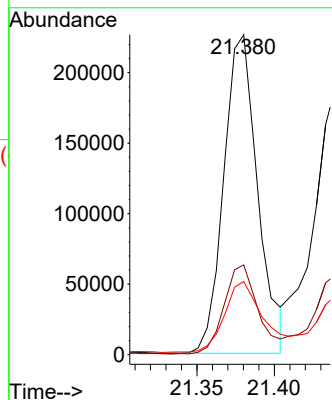
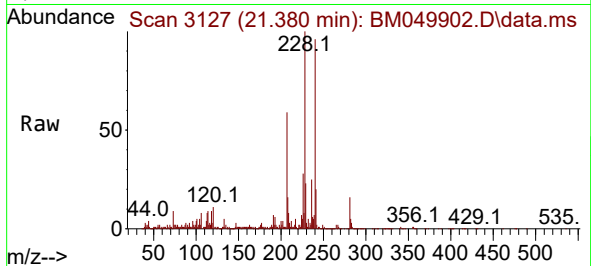




#81
Benzo(a)anthracene
Concen: 4.217 ng
RT: 21.380 min Scan# 3128
Delta R.T. -0.005 min
Lab File: BM049902.D
Acq: 11 Apr 2025 15:36

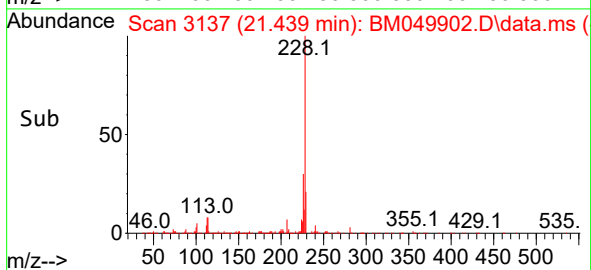
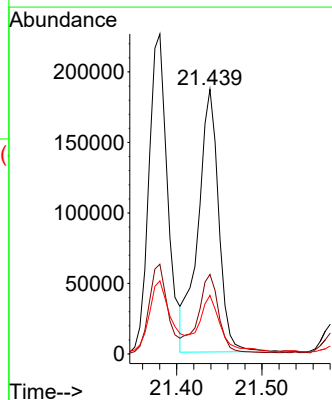
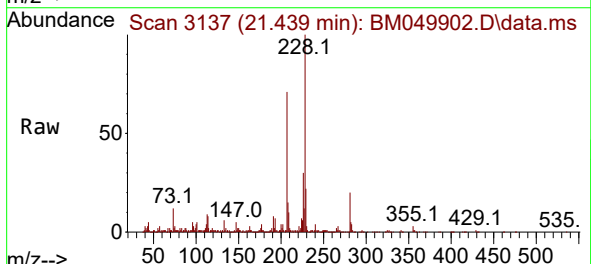
Instrument :
BNA_M
ClientSampleId :
TP-3A

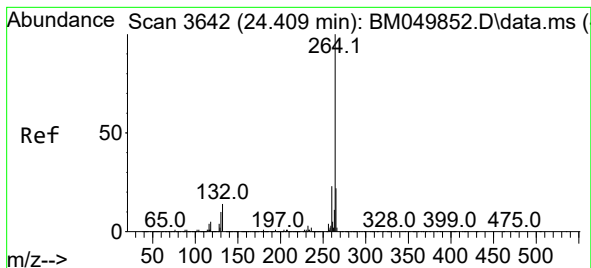
Tgt Ion:228 Resp: 343827
Ion Ratio Lower Upper
228 100
226 28.0 21.8 32.8
229 22.8 15.8 23.8



#83
Chrysene
Concen: 4.045 ng
RT: 21.439 min Scan# 3137
Delta R.T. -0.011 min
Lab File: BM049902.D
Acq: 11 Apr 2025 15:36

Tgt Ion:228 Resp: 313551
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 22.1 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: BM049902.D

Acq: 11 Apr 2025 15:36

Instrument :

BNA_M

ClientSampleId :

TP-3A

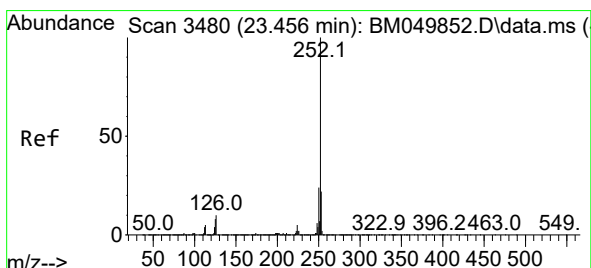
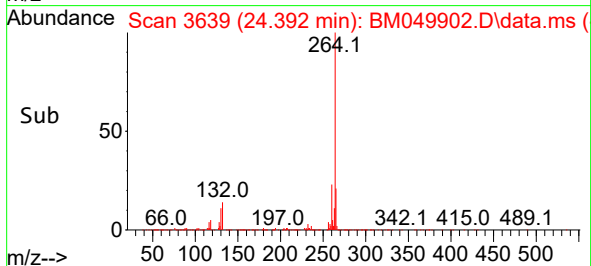
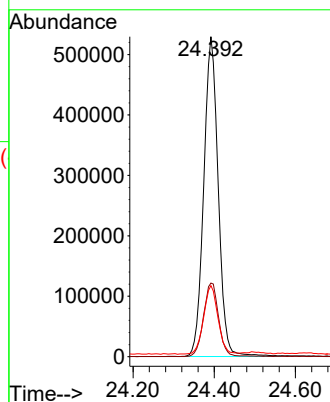
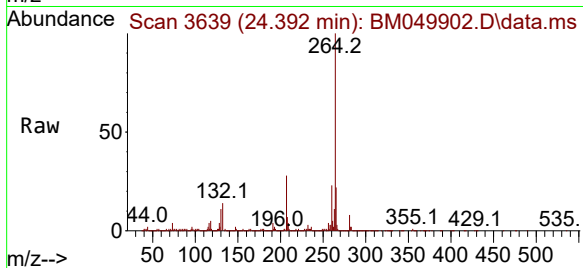
Tgt Ion:264 Resp: 1305987

Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

265 22.2 17.8 26.8



#88

Benzo(b)fluoranthene

Concen: 4.426 ng

RT: 23.451 min Scan# 3479

Delta R.T. -0.005 min

Lab File: BM049902.D

Acq: 11 Apr 2025 15:36

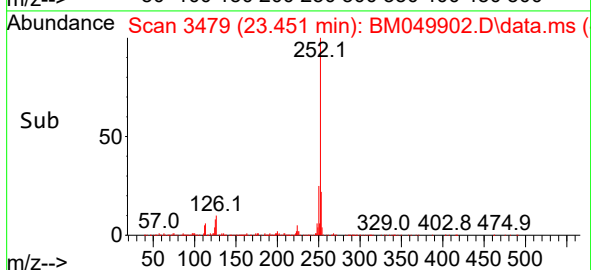
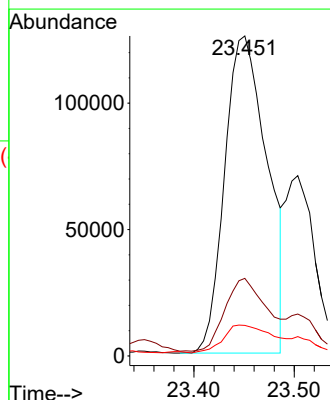
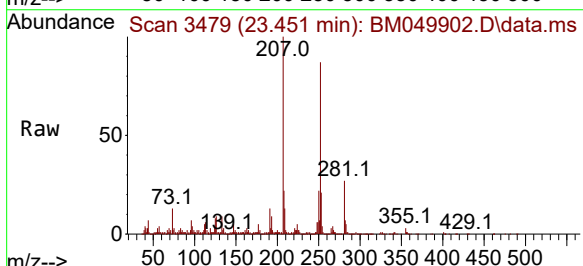
Tgt Ion:252 Resp: 369137

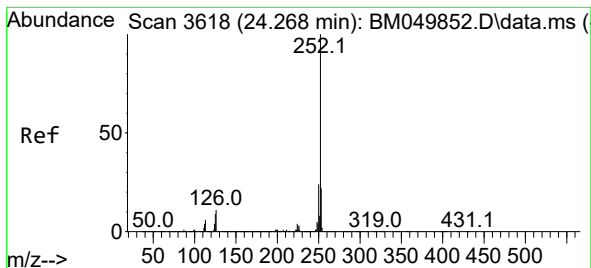
Ion Ratio Lower Upper

252 100

253 24.2 17.5 26.3

125 9.6 6.2 9.4#





#90

Benzo(a)pyrene

Concen: 3.678 ng

RT: 24.251 min Scan# 3

Delta R.T. -0.017 min

Lab File: BM049902.D

Acq: 11 Apr 2025 15:36

Instrument :

BNA_M

ClientSampleId :

TP-3A

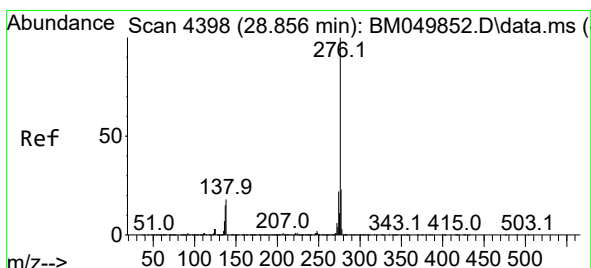
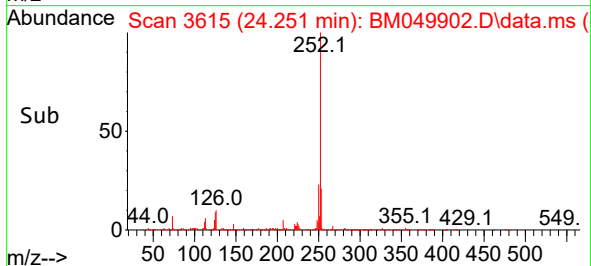
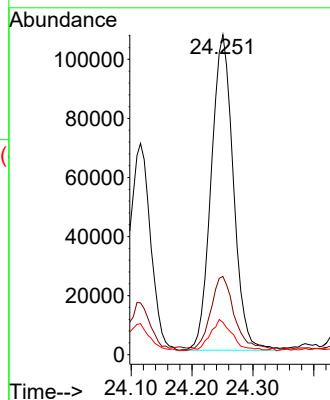
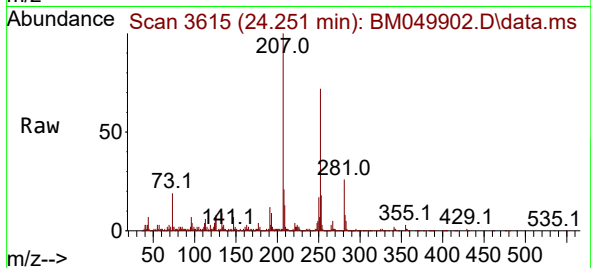
Tgt Ion:252 Resp: 269553

Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.8

125 10.1 7.0 10.4



#92

Benzo(g,h,i)perylene

Concen: 2.033 ng

RT: 28.815 min Scan# 4391

Delta R.T. -0.041 min

Lab File: BM049902.D

Acq: 11 Apr 2025 15:36

Tgt Ion:276 Resp: 166609

Ion Ratio Lower Upper

276 100

277 25.6 18.7 28.1

138 20.6 14.6 21.8

