

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
 Data File : BM050269.D
 Acq On : 10 Jun 2025 09:22
 Operator : RC/JU
 Sample : Q2266-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 10 10:40:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 09 11:54:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

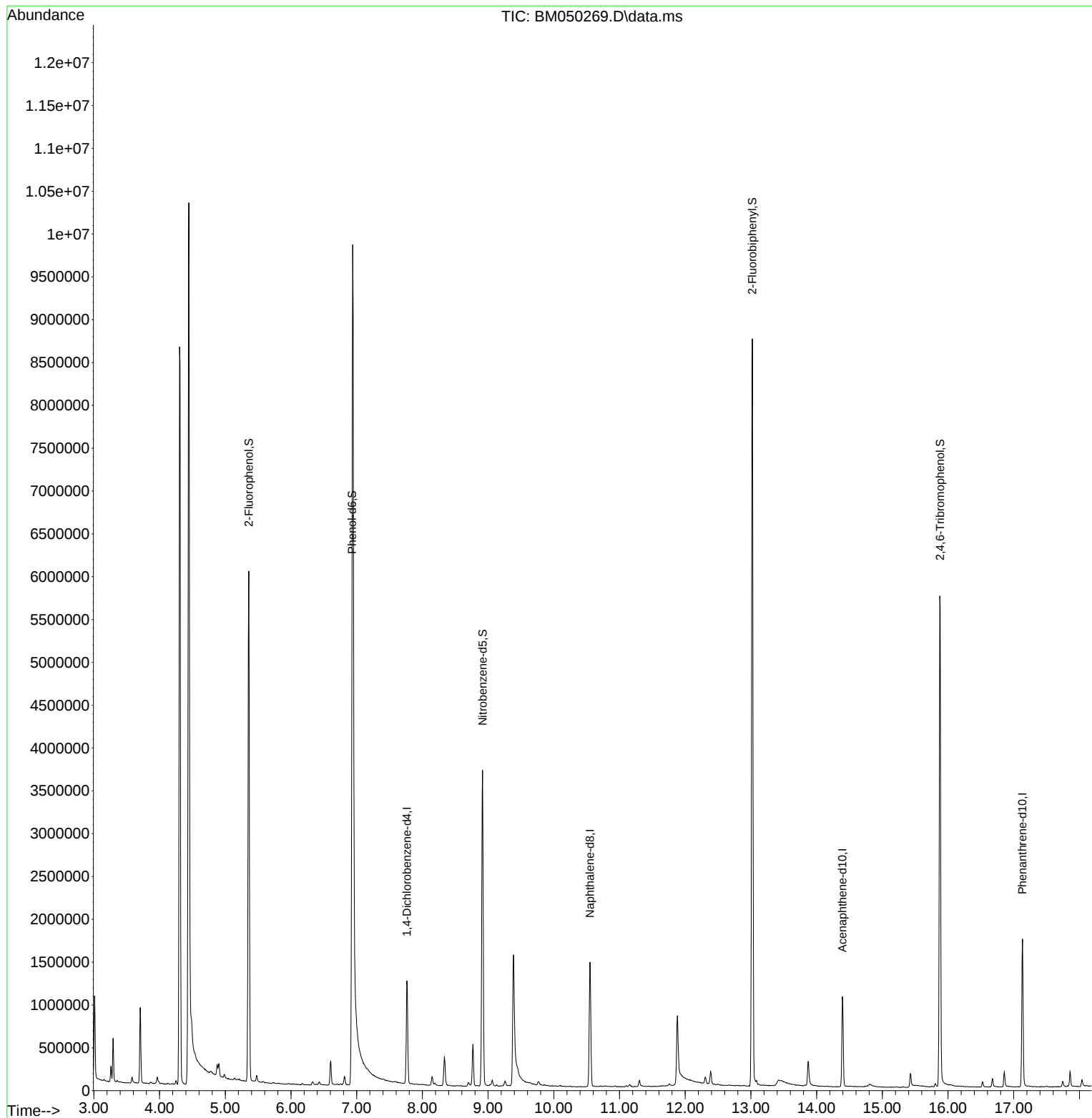
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	330823	20.000	ng	0.00
21) Naphthalene-d8	10.551	136	1216311	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	298562	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	840437	20.000	ng	0.00
76) Chrysene-d12	21.362	240	156325	20.000	ng	-0.01
86) Perylene-d12	24.321	264	4747	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2749596	138.646	ng	0.00
7) Phenol-d6	6.928	99	1664766	63.768	ng	0.00
23) Nitrobenzene-d5	8.916	82	2339637	100.040	ng	0.00
42) 2,4,6-Tribromophenol	15.880	330	1067374	314.310	ng	0.00
45) 2-Fluorobiphenyl	13.021	172	4388234	198.988	ng	0.00
79) Terphenyl-d14	19.762	244	3607176	437.274	ng	0.00
Target Compounds						
88) Benzo(b)fluoranthene	23.391	252	1260	4.565	ng	# 22
90) Benzo(a)pyrene	24.174	252	809	3.118	ng	# 1

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

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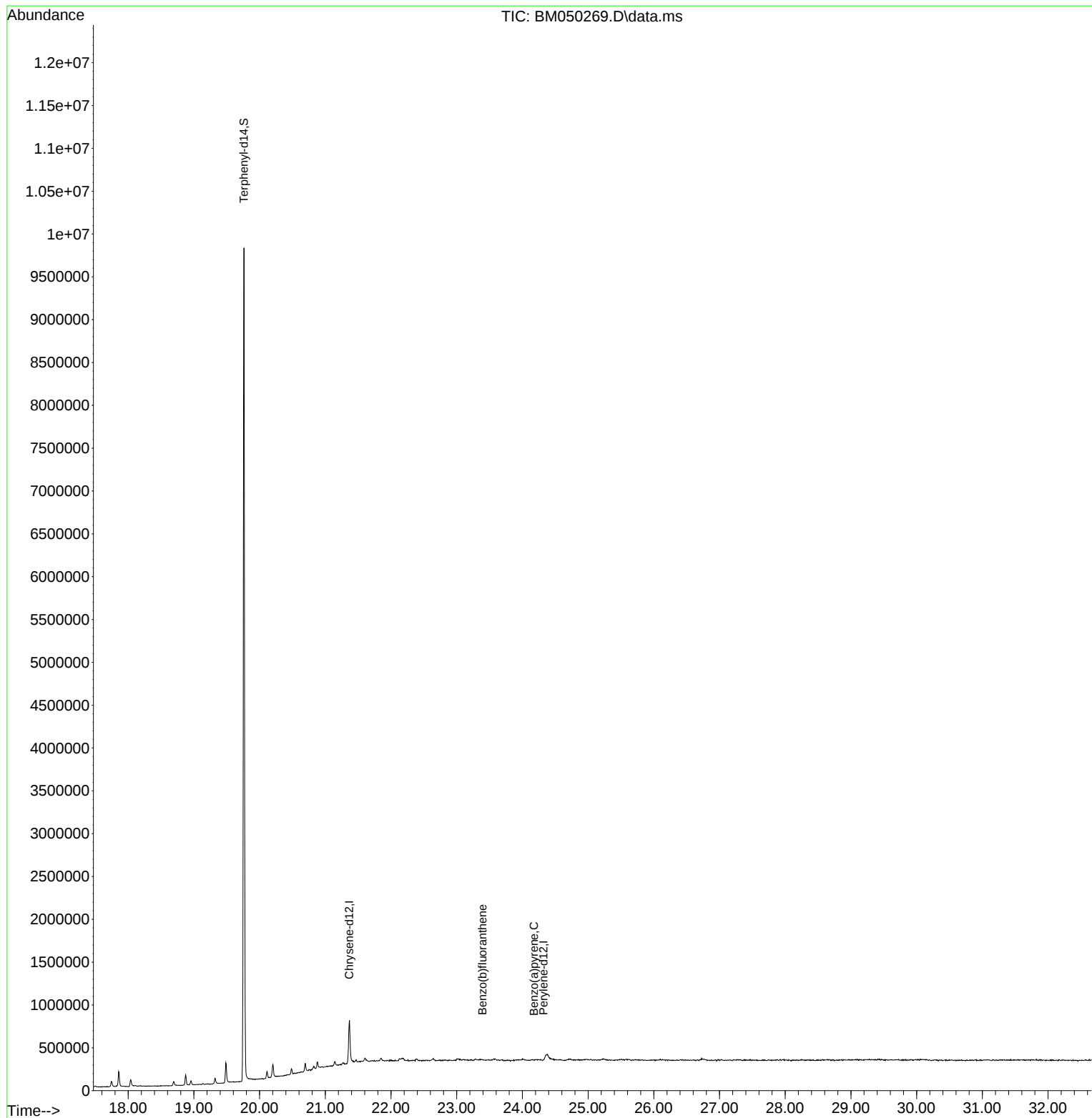
Quant Time: Jun 10 10:40:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
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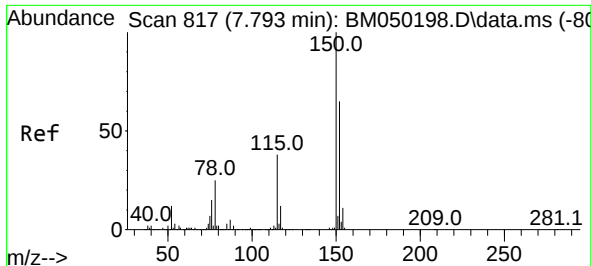


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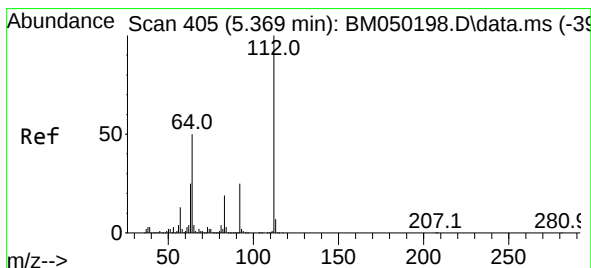
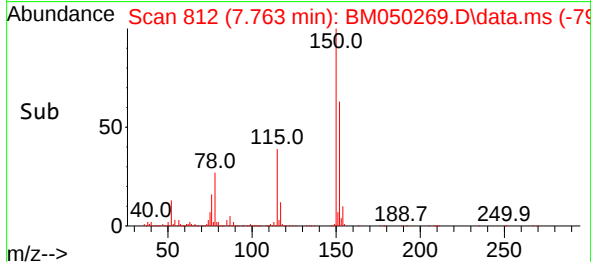
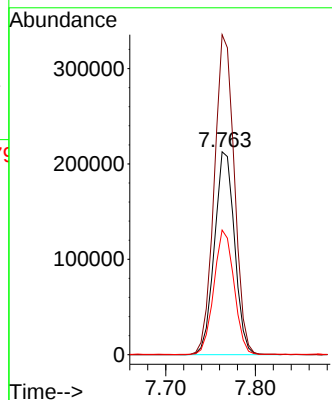
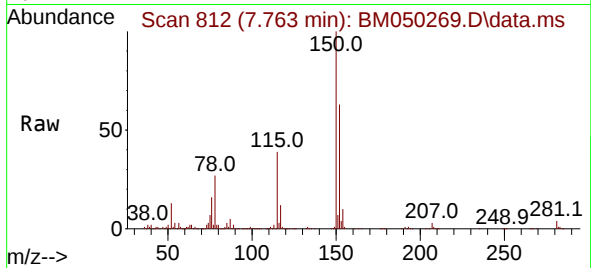




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050269.D
Acq: 10 Jun 2025 09:22

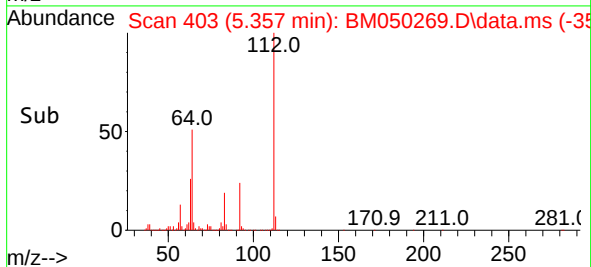
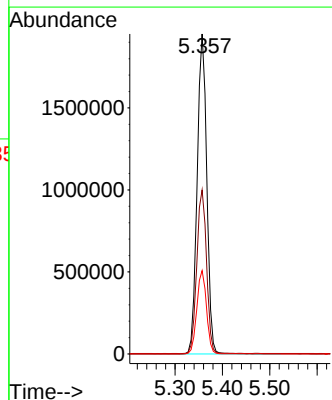
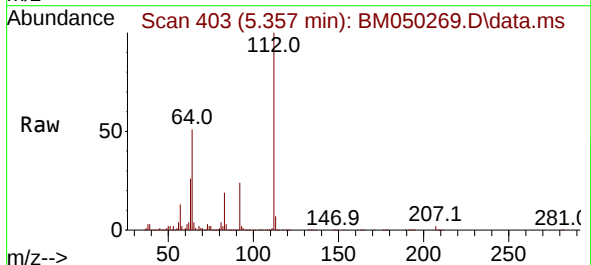
Instrument :
BNA_M
ClientSampleId :

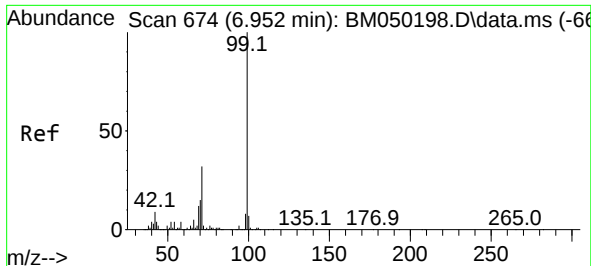
Tgt Ion:152 Resp: 330823
Ion Ratio Lower Upper
152 100
150 157.7 122.2 183.4
115 61.4 46.3 69.5



#5
2-Fluorophenol
Concen: 138.646 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.000 min
Lab File: BM050269.D
Acq: 10 Jun 2025 09:22

Tgt Ion:112 Resp: 2749596
Ion Ratio Lower Upper
112 100
64 51.3 39.8 59.6
63 26.0 19.8 29.8

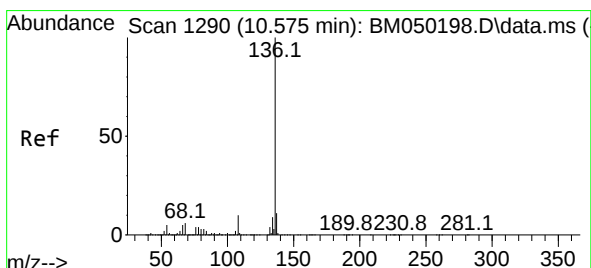
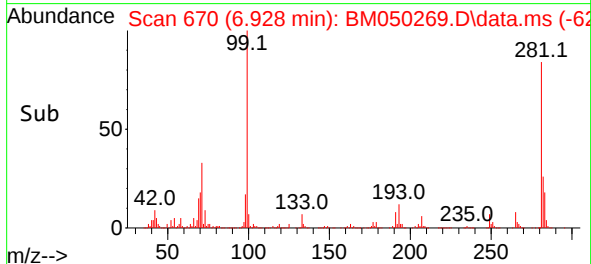
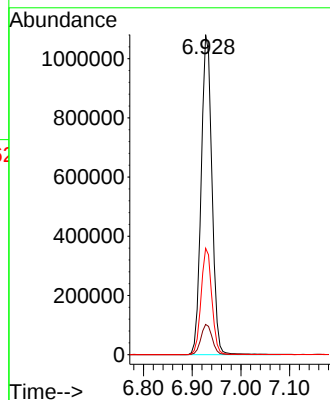
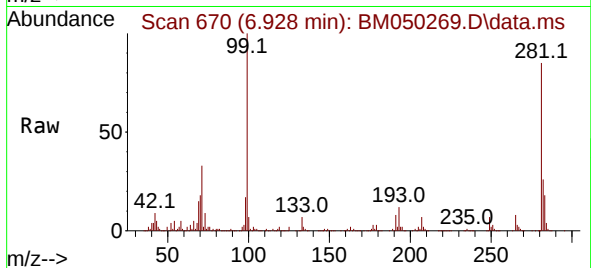




#7
Phenol-d6
Concen: 63.768 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050269.D
Acq: 10 Jun 2025 09:22

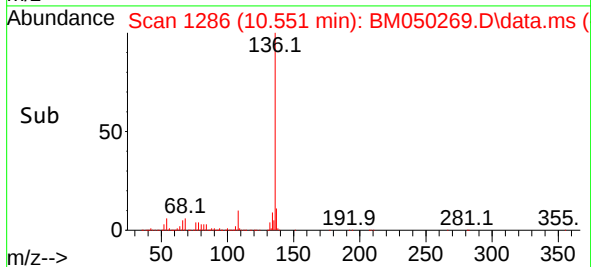
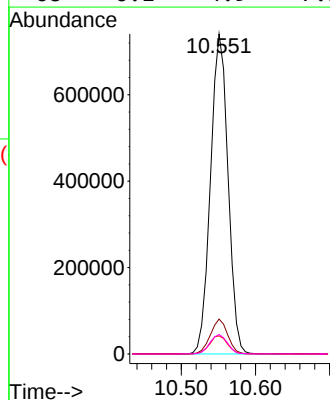
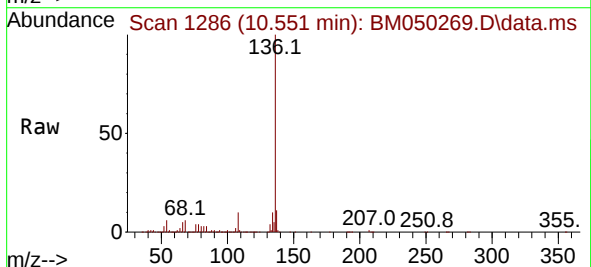
Instrument :
BNA_M
ClientSampleId :

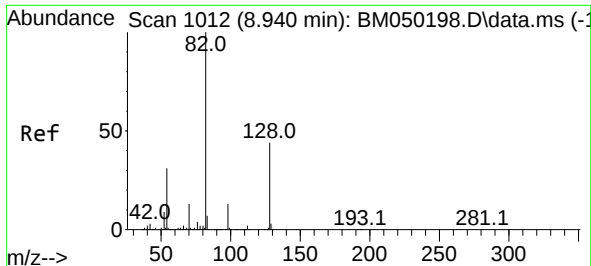
Tgt Ion: 99 Resp: 1664766
Ion Ratio Lower Upper
99 100
42 9.5 6.9 10.3
71 33.3 25.3 37.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM050269.D
Acq: 10 Jun 2025 09:22

Tgt Ion:136 Resp: 1216311
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 5.7 3.8 5.8
68 6.1 4.9 7.3

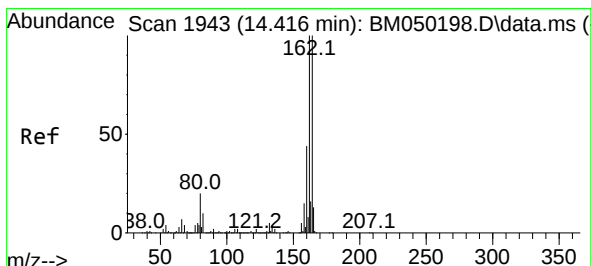
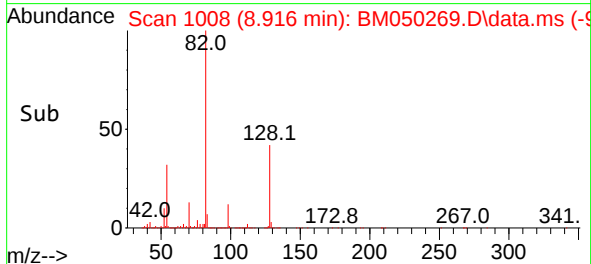
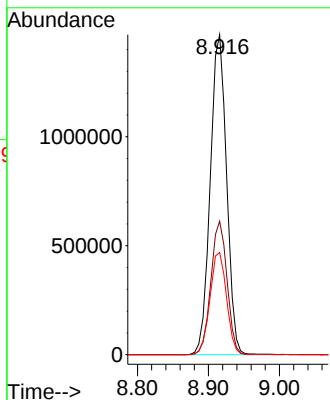
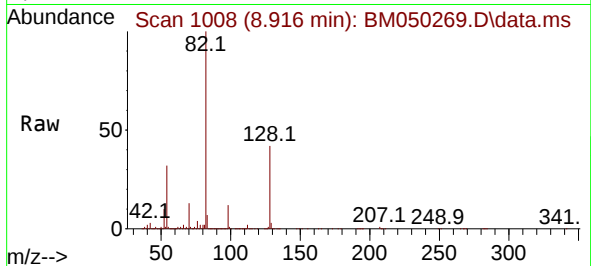




#23
 Nitrobenzene-d5
 Concen: 100.040 ng
 RT: 8.916 min Scan# 1008
 Delta R.T. -0.000 min
 Lab File: BM050269.D
 Acq: 10 Jun 2025 09:22

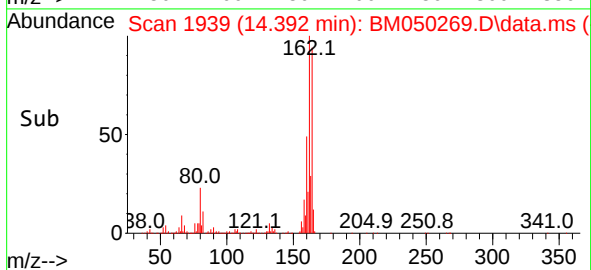
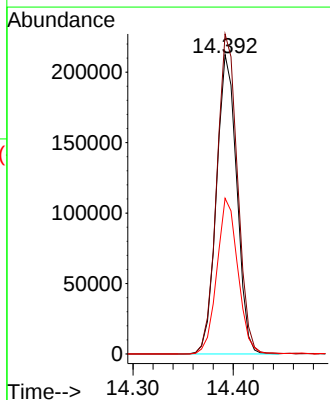
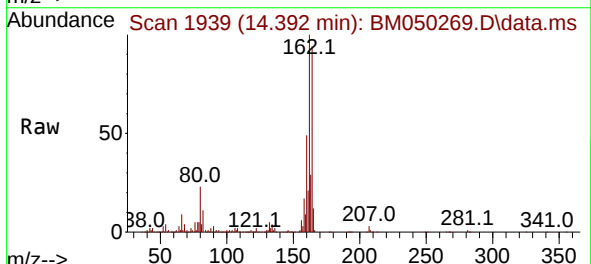
Instrument :
 BNA_M
 ClientSampleId :

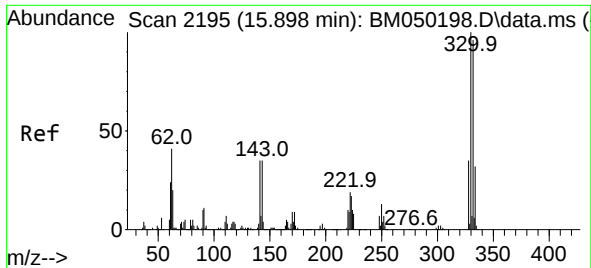
Tgt Ion: 82 Resp: 2339637
 Ion Ratio Lower Upper
 82 100
 128 41.7 35.2 52.8
 54 31.9 24.5 36.7



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.392 min Scan# 1939
 Delta R.T. -0.006 min
 Lab File: BM050269.D
 Acq: 10 Jun 2025 09:22

Tgt Ion: 164 Resp: 298562
 Ion Ratio Lower Upper
 164 100
 162 106.9 80.2 120.4
 160 52.0 35.7 53.5

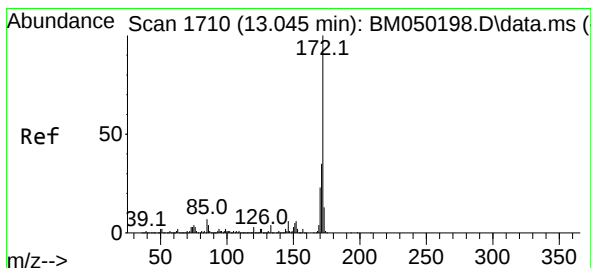
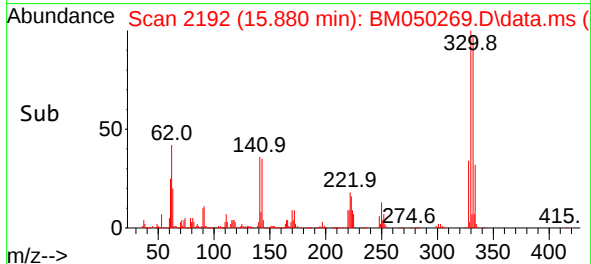
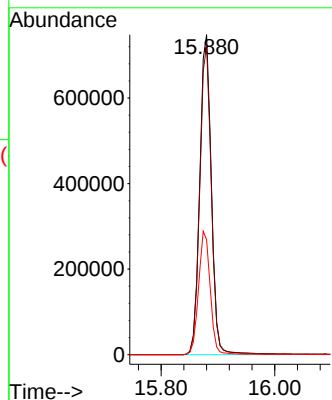
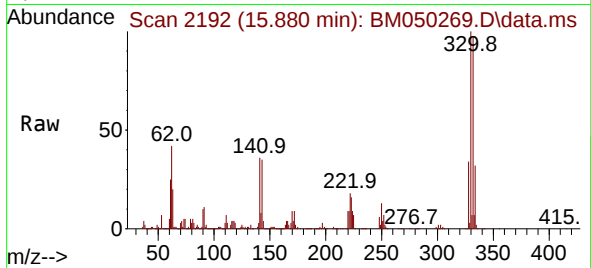




#42
2,4,6-Tribromophenol
Concen: 314.310 ng
RT: 15.880 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BM050269.D
Acq: 10 Jun 2025 09:22

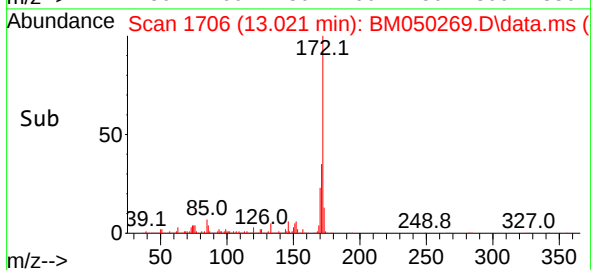
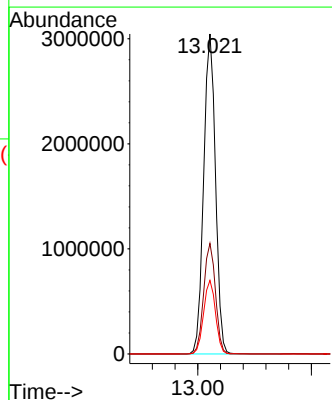
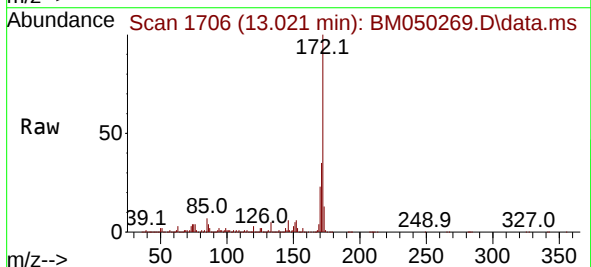
Instrument :
BNA_M
ClientSampleId :

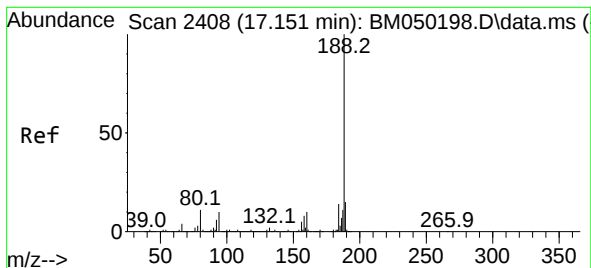
Tgt Ion:330 Resp: 1067374
Ion Ratio Lower Upper
330 100
332 96.4 77.5 116.3
141 38.8 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 198.988 ng
RT: 13.021 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BM050269.D
Acq: 10 Jun 2025 09:22

Tgt Ion:172 Resp: 4388234
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 23.0 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.133 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM050269.D

Acq: 10 Jun 2025 09:22

Instrument :

BNA_M

ClientSampleId :

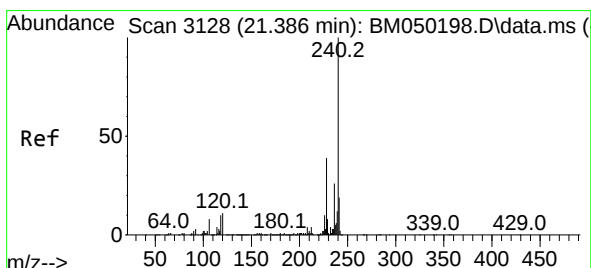
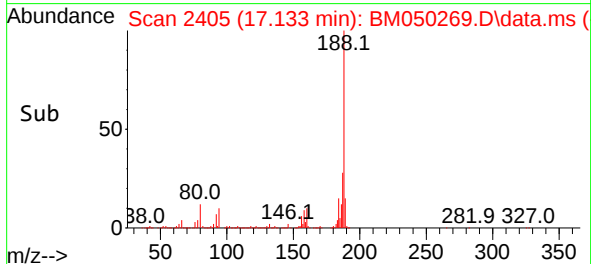
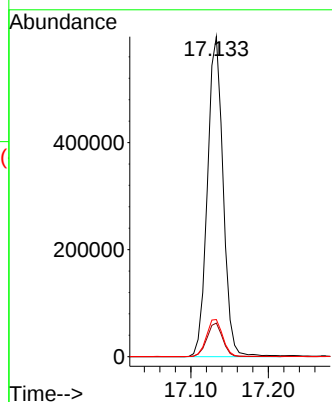
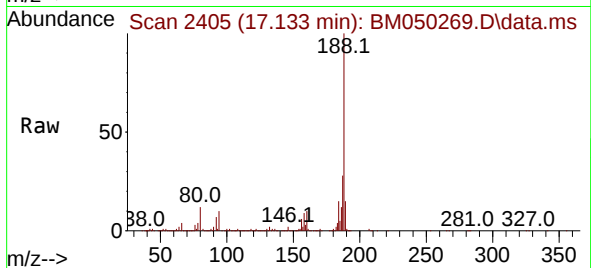
Tgt Ion:188 Resp: 840437

Ion Ratio Lower Upper

188 100

94 10.5 8.1 12.1

80 11.6 8.6 13.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.362 min Scan# 3124

Delta R.T. -0.012 min

Lab File: BM050269.D

Acq: 10 Jun 2025 09:22

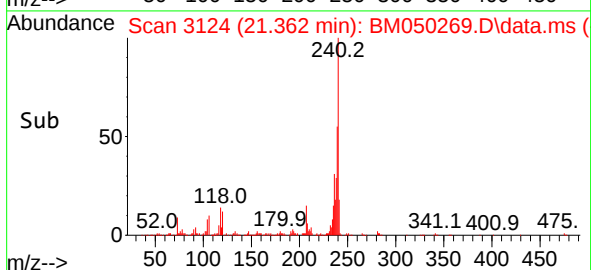
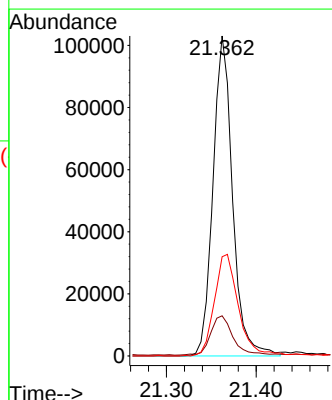
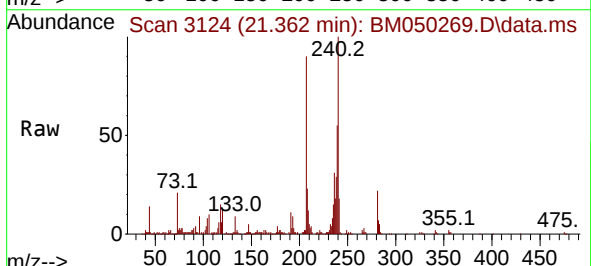
Tgt Ion:240 Resp: 156325

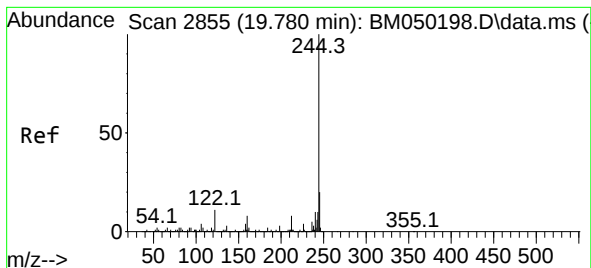
Ion Ratio Lower Upper

240 100

120 12.6 9.0 13.4

236 31.0 20.7 31.1





#79

Terphenyl-d14

Concen: 437.274 ng

RT: 19.762 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050269.D

Acq: 10 Jun 2025 09:22

Instrument :

BNA_M

ClientSampleId :

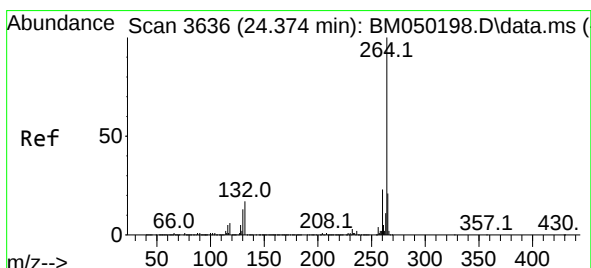
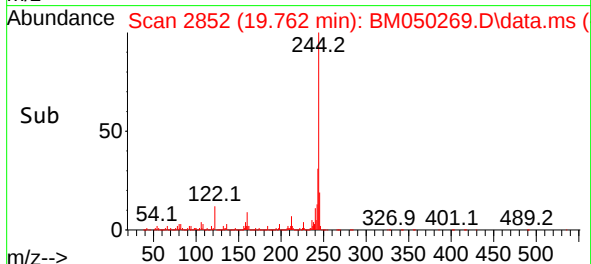
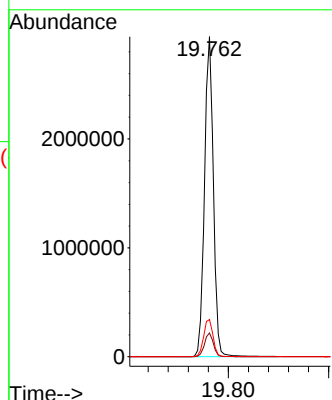
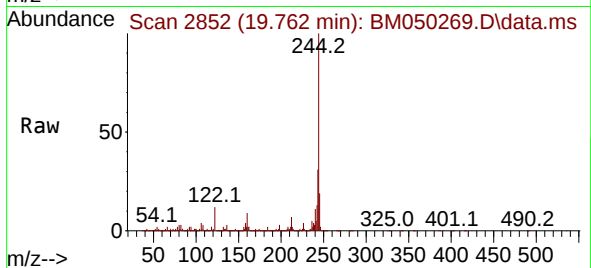
Tgt Ion:244 Resp: 3607176

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 11.6 8.6 12.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.321 min Scan# 3627

Delta R.T. -0.024 min

Lab File: BM050269.D

Acq: 10 Jun 2025 09:22

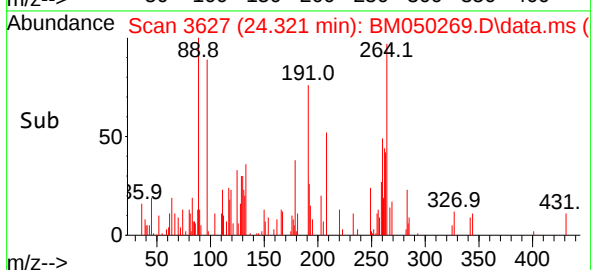
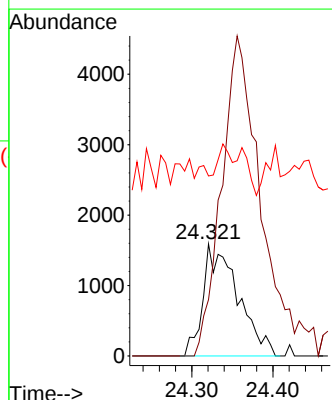
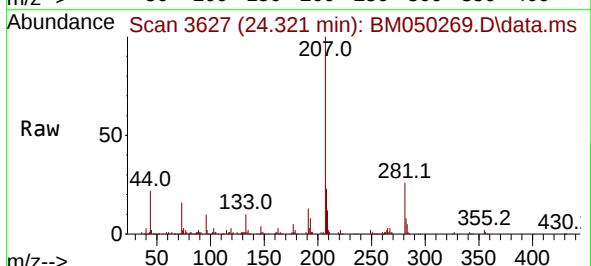
Tgt Ion:264 Resp: 4747

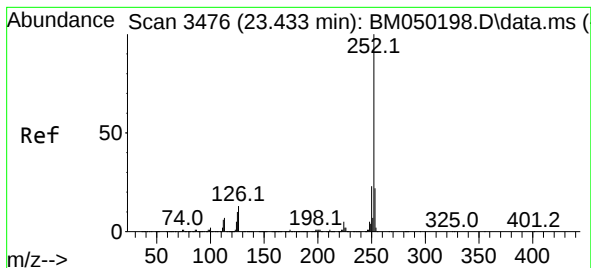
Ion Ratio Lower Upper

264 100

260 50.3 18.6 28.0#

265 160.8 16.8 25.2#





#88

Benzo(b)fluoranthene

Concen: 4.565 ng

RT: 23.391 min Scan# 3476

Delta R.T. -0.018 min

Lab File: BM050269.D

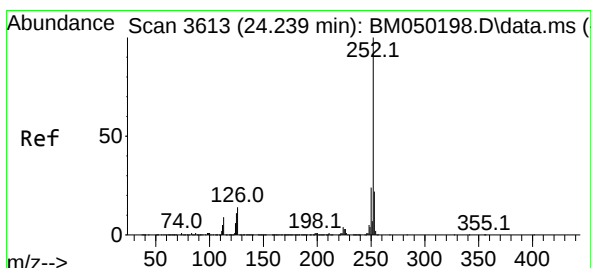
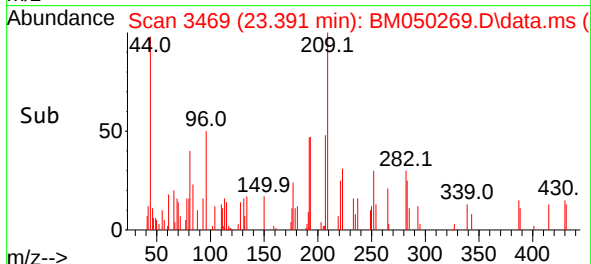
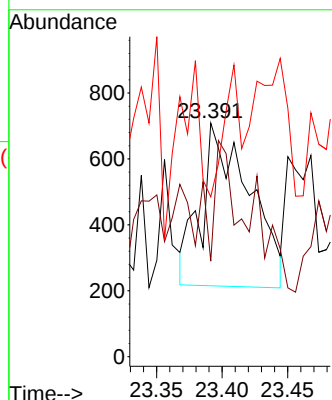
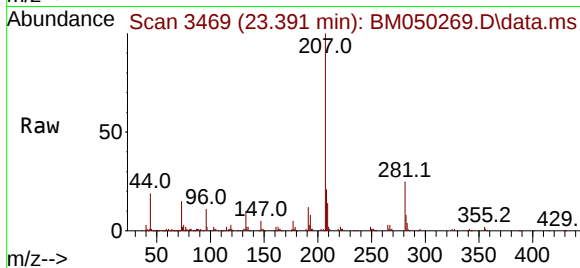
Acq: 10 Jun 2025 09:22

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:252	Resp:	1260
Ion Ratio	Lower	Upper
252	100	
253	40.9	17.2 25.8#
125	68.4	8.2 12.4#



#90

Benzo(a)pyrene

Concen: 3.118 ng

RT: 24.174 min Scan# 3602

Delta R.T. -0.035 min

Lab File: BM050269.D

Acq: 10 Jun 2025 09:22

Tgt Ion:252	Resp:	809
Ion Ratio	Lower	Upper
252	100	
253	67.2	17.6 26.4#
125	196.4	9.0 13.4#

