

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061125\
 Data File : BM050297.D
 Acq On : 12 Jun 2025 06:29
 Operator : RC/JU
 Sample : Q2278-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-2

Quant Time: Jun 12 07:12:56 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	362247	20.000	ng	0.00
21) Naphthalene-d8	10.545	136	1378093	20.000	ng	-0.01
39) Acenaphthene-d10	14.392	164	757462	20.000	ng	0.00
64) Phenanthrene-d10	17.127	188	1465272	20.000	ng	-0.01
76) Chrysene-d12	21.356	240	1542191	20.000	ng	-0.02
86) Perylene-d12	24.327	264	1594670	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	3092381	142.404	ng	0.00
7) Phenol-d6	6.934	99	3508482	122.732	ng	0.00
23) Nitrobenzene-d5	8.910	82	2577737	97.282	ng	0.00
42) 2,4,6-Tribromophenol	15.874	330	1283638	148.990	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	5004674	89.451	ng	-0.01
79) Terphenyl-d14	19.756	244	7390342	90.811	ng	-0.01

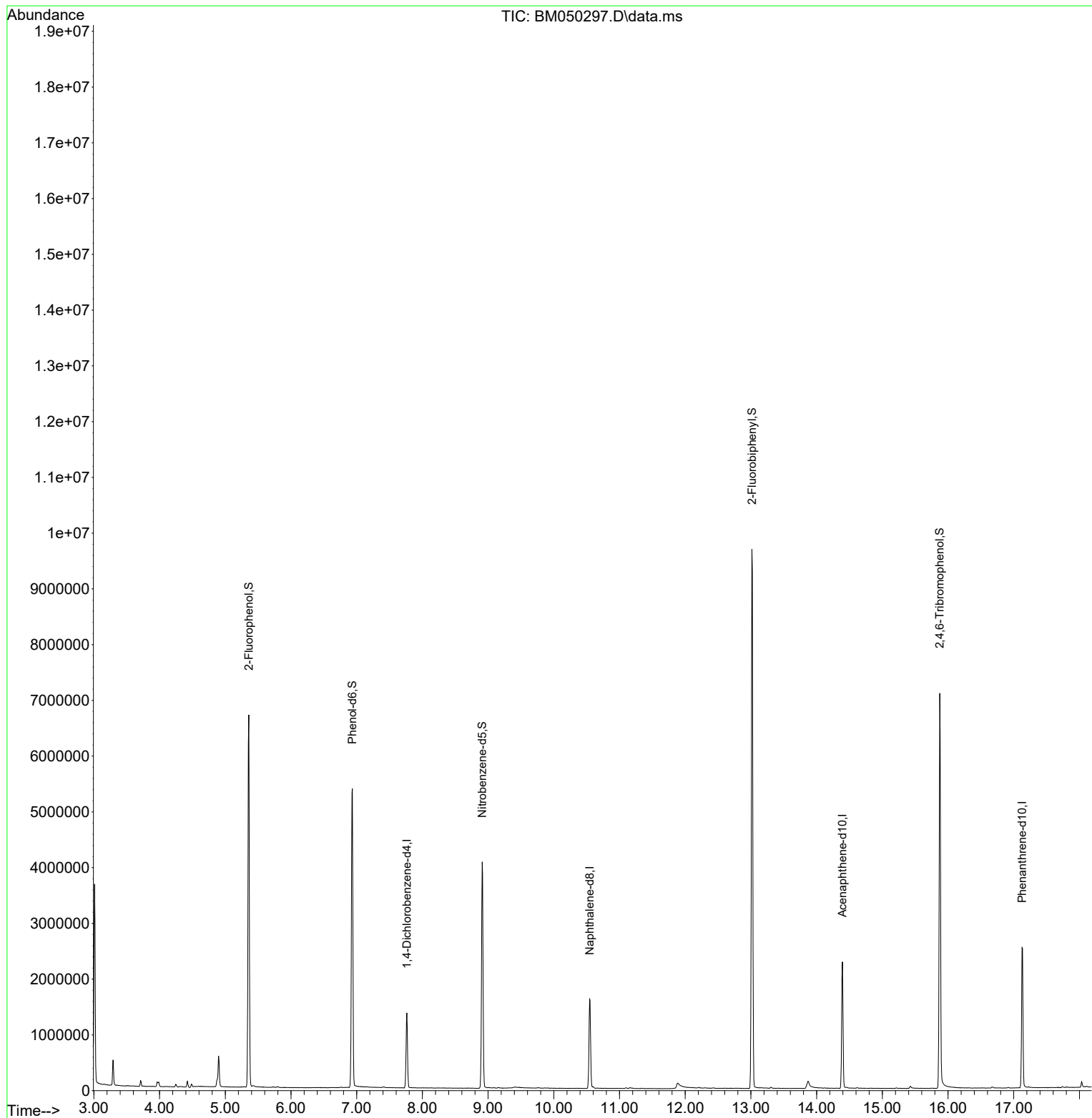
Target Compounds	Qvalue

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

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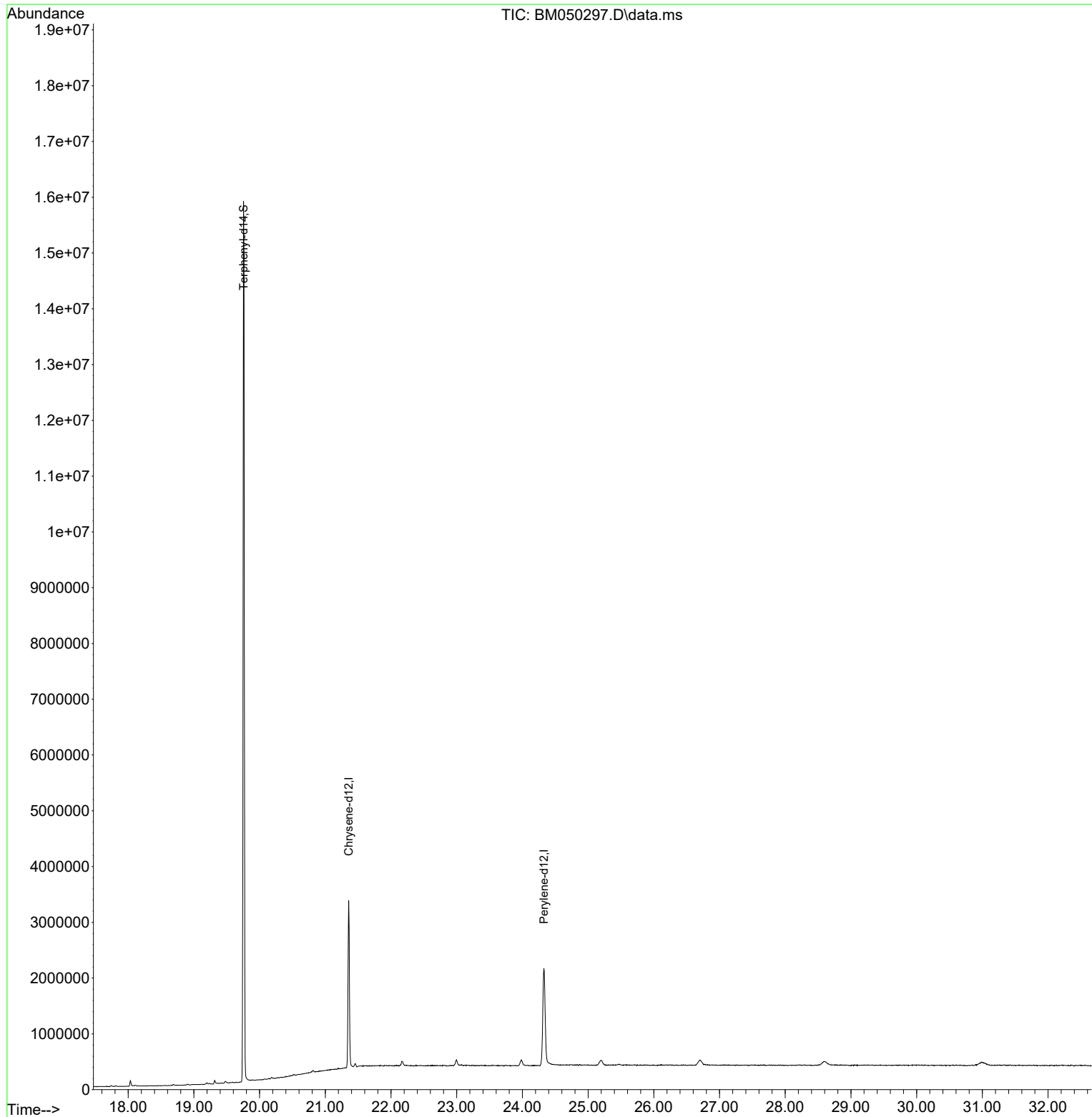
Quant Time: Jun 12 07:12:56 2025
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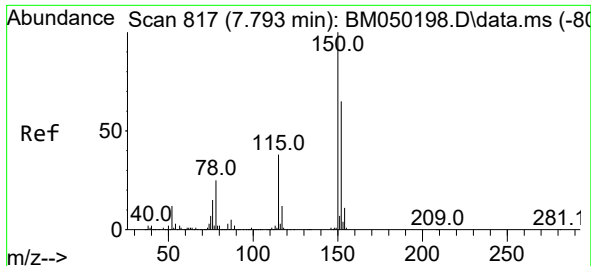


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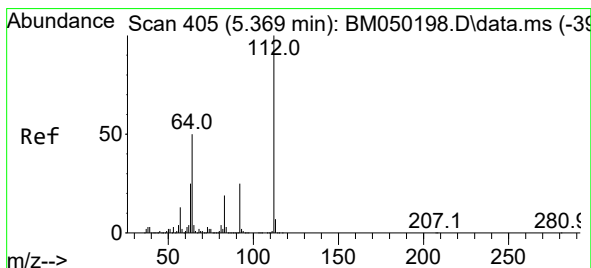
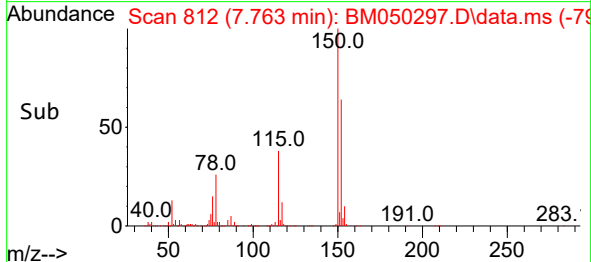
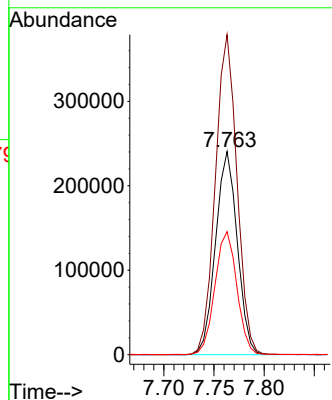
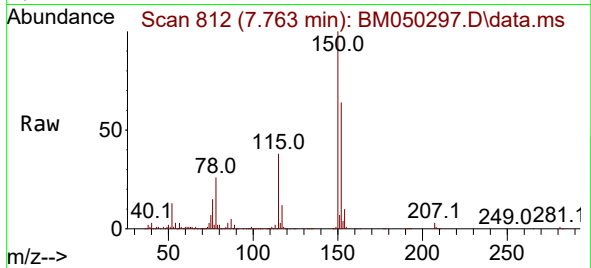




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 817
Delta R.T. -0.006 min
Lab File: BM050297.D
Acq: 12 Jun 2025 06:29

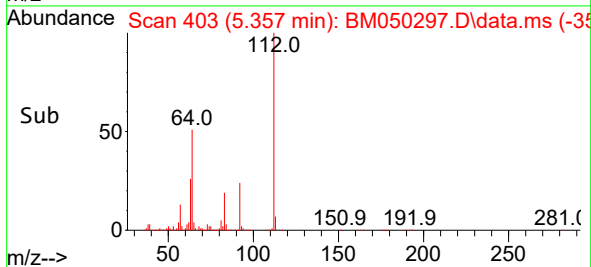
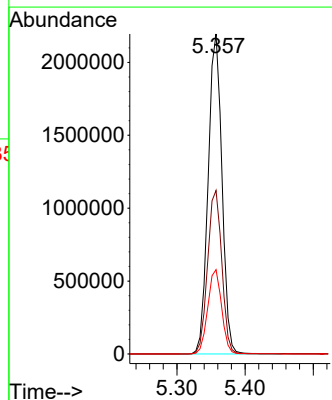
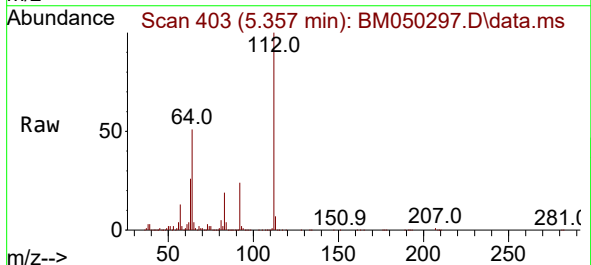
Instrument :
BNA_M
ClientSampleId :
TP-2

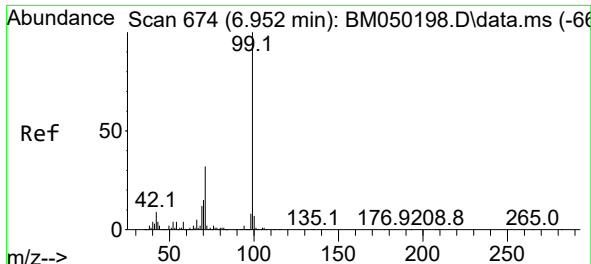
Tgt Ion:152 Resp: 362247
Ion Ratio Lower Upper
152 100
150 157.5 122.2 183.4
115 60.6 46.3 69.5



#5
2-Fluorophenol
Concen: 142.404 ng
RT: 5.357 min Scan# 403
Delta R.T. 0.000 min
Lab File: BM050297.D
Acq: 12 Jun 2025 06:29

Tgt Ion:112 Resp: 3092381
Ion Ratio Lower Upper
112 100
64 51.1 39.8 59.6
63 26.3 19.8 29.8

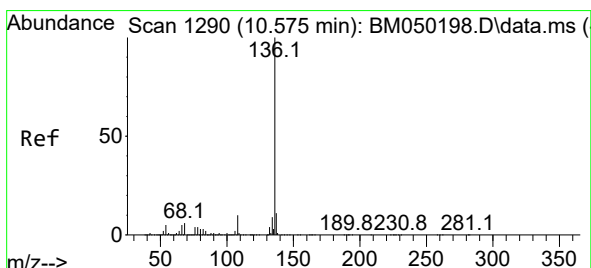
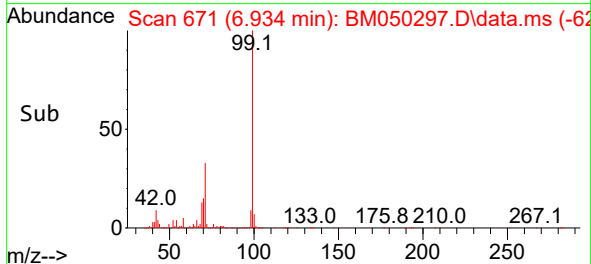
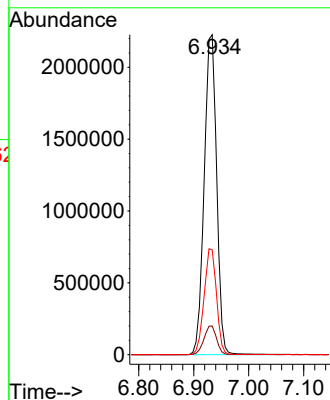
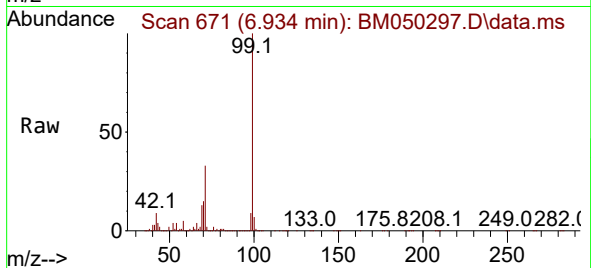




#7
Phenol-d6
Concen: 122.732 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM050297.D
Acq: 12 Jun 2025 06:29

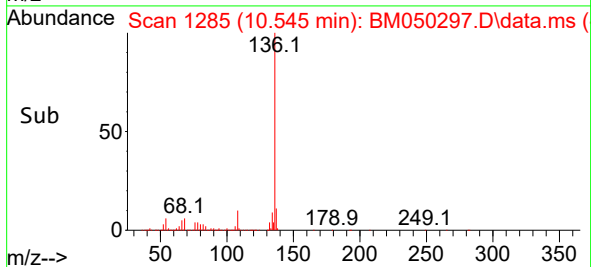
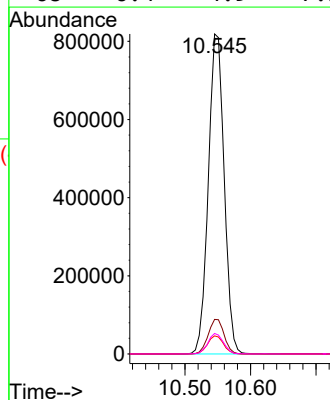
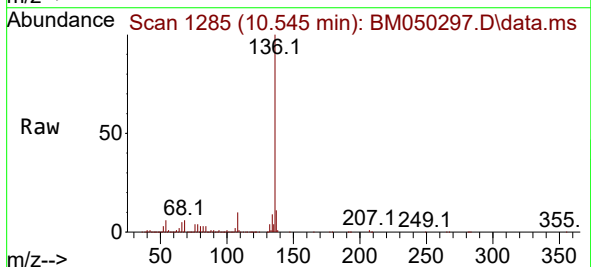
Instrument :
BNA_M
ClientSampleId :
TP-2

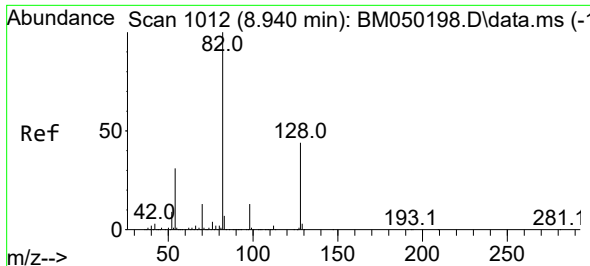
Tgt Ion: 99 Resp: 3508482
Ion Ratio Lower Upper
99 100
42 8.9 6.9 10.3
71 32.8 25.3 37.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.545 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BM050297.D
Acq: 12 Jun 2025 06:29

Tgt Ion: 136 Resp: 1378093
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 5.7 3.8 5.8
68 6.4 4.9 7.3





#23

Nitrobenzene-d5

Concen: 97.282 ng

RT: 8.910 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BM050297.D

Acq: 12 Jun 2025 06:29

Instrument :

BNA_M

ClientSampleId :

TP-2

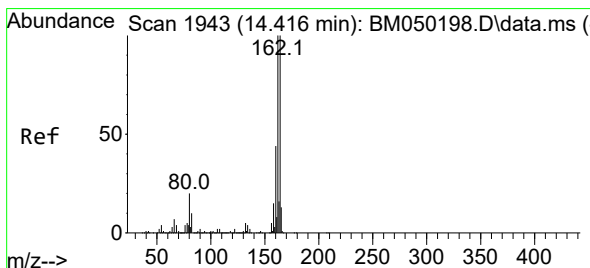
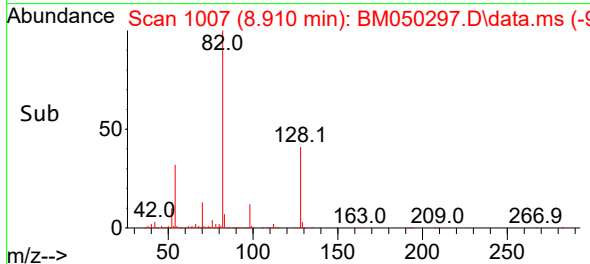
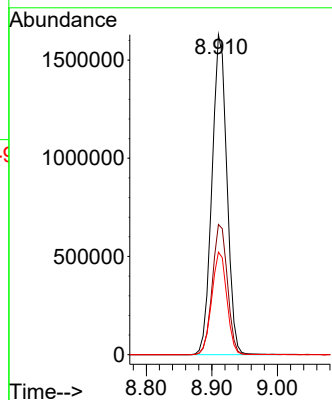
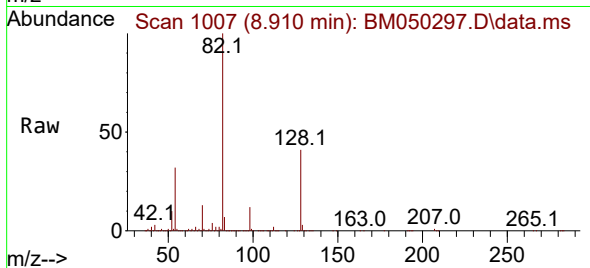
Tgt Ion: 82 Resp: 2577737

Ion Ratio Lower Upper

82 100

128 40.7 35.2 52.8

54 32.1 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: BM050297.D

Acq: 12 Jun 2025 06:29

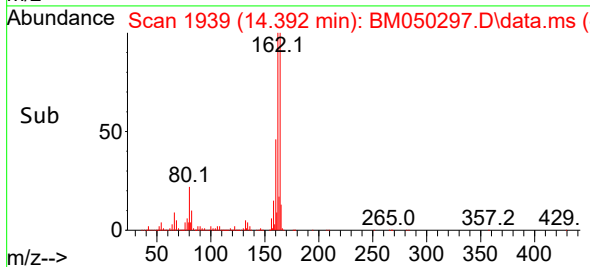
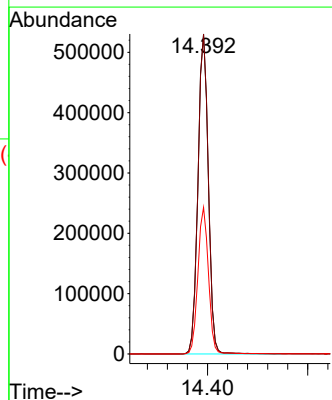
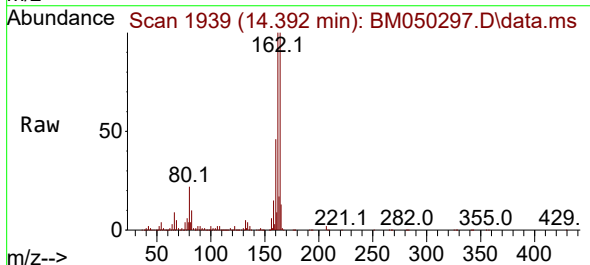
Tgt Ion:164 Resp: 757462

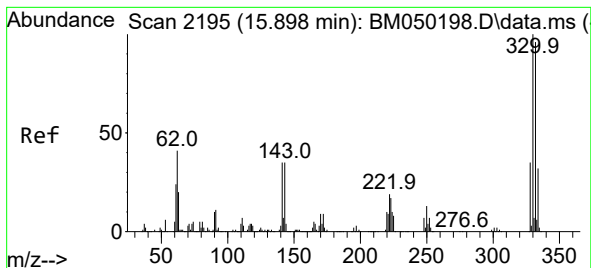
Ion Ratio Lower Upper

164 100

162 99.9 80.2 120.4

160 45.8 35.7 53.5

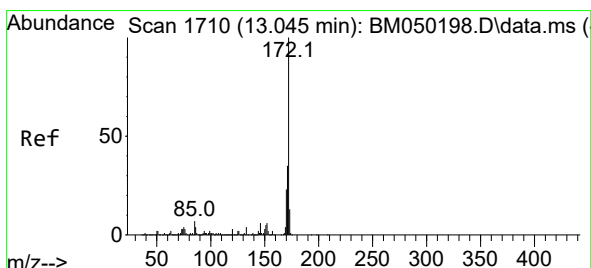
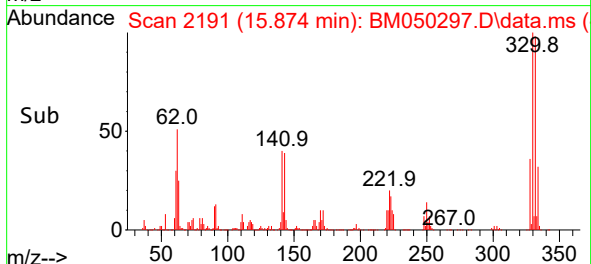
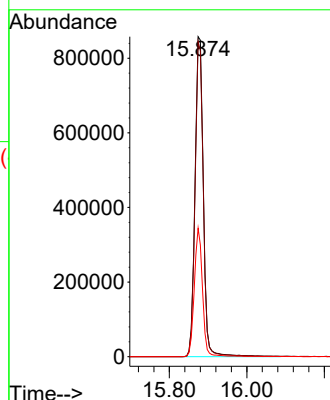
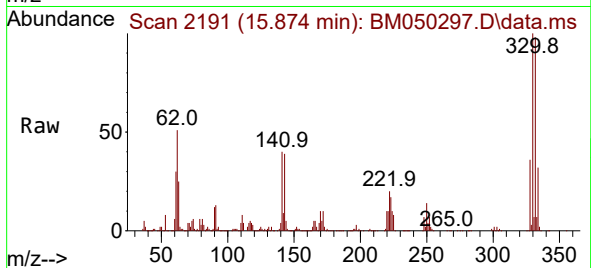




#42
2,4,6-Tribromophenol
Concen: 148.990 ng
RT: 15.874 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM050297.D
Acq: 12 Jun 2025 06:29

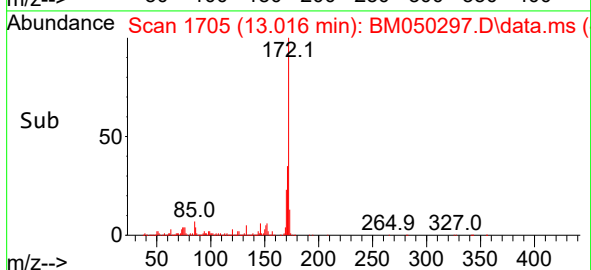
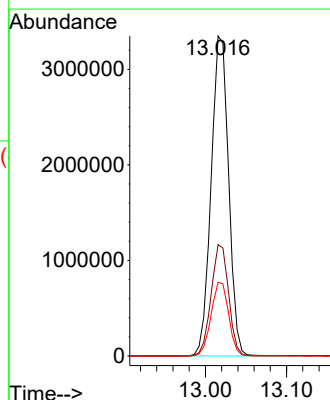
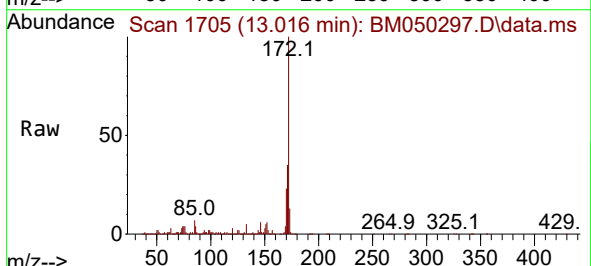
Instrument :
BNA_M
ClientSampleId :
TP-2

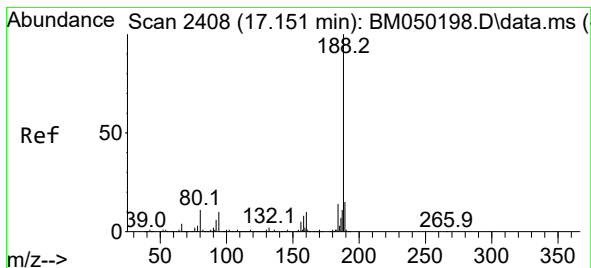
Tgt Ion:330 Resp: 1283638
Ion Ratio Lower Upper
330 100
332 96.8 77.5 116.3
141 39.6 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 89.451 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.012 min
Lab File: BM050297.D
Acq: 12 Jun 2025 06:29

Tgt Ion:172 Resp: 5004674
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 23.1 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.127 min Scan# 2404

Delta R.T. -0.012 min

Lab File: BM050297.D

Acq: 12 Jun 2025 06:29

Instrument :

BNA_M

ClientSampleId :

TP-2

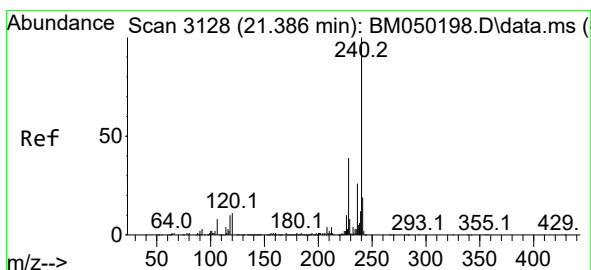
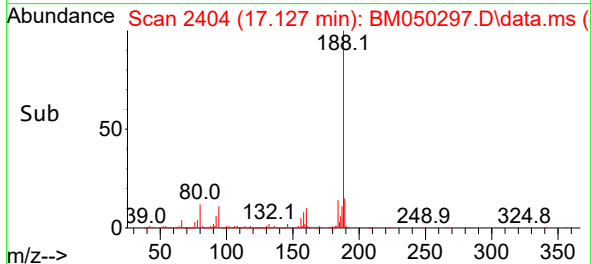
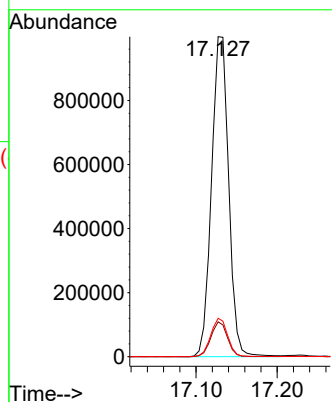
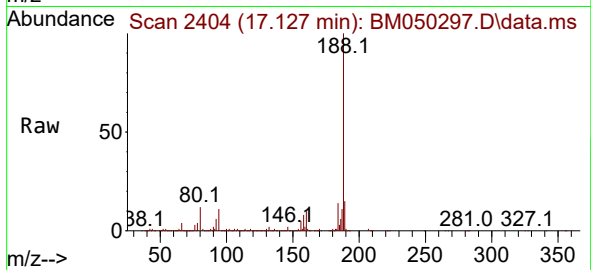
Tgt Ion:188 Resp: 1465272

Ion Ratio Lower Upper

188 100

94 10.9 8.1 12.1

80 12.0 8.6 13.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.356 min Scan# 3123

Delta R.T. -0.018 min

Lab File: BM050297.D

Acq: 12 Jun 2025 06:29

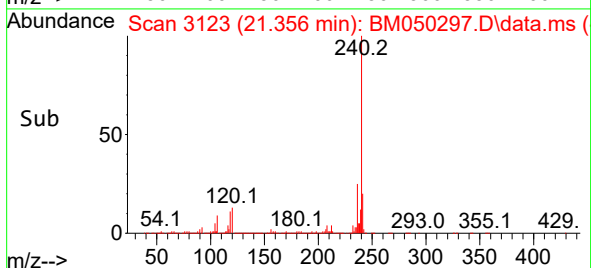
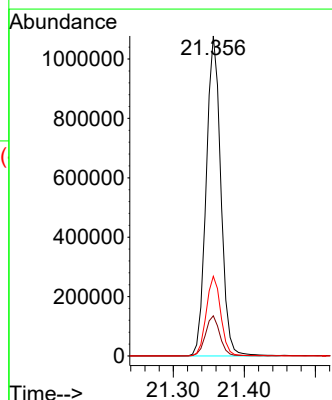
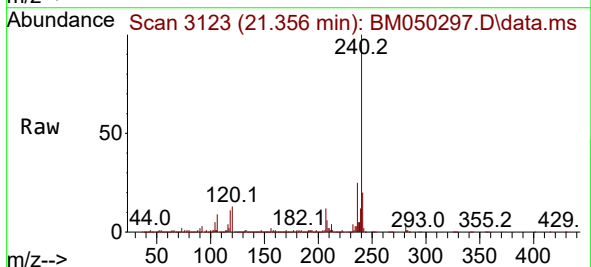
Tgt Ion:240 Resp: 1542191

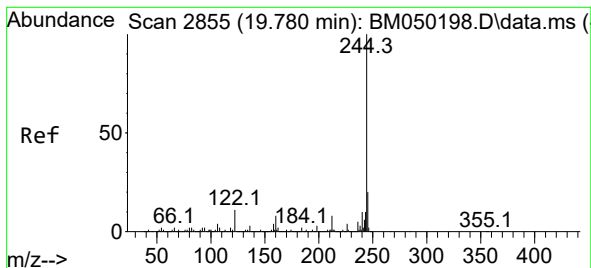
Ion Ratio Lower Upper

240 100

120 12.6 9.0 13.4

236 24.9 20.7 31.1





#79

Terphenyl-d14

Concen: 90.811 ng

RT: 19.756 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050297.D

Acq: 12 Jun 2025 06:29

Instrument :

BNA_M

ClientSampleId :

TP-2

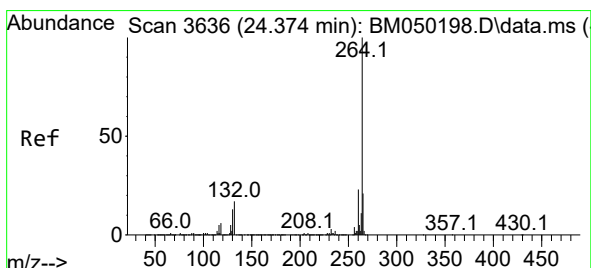
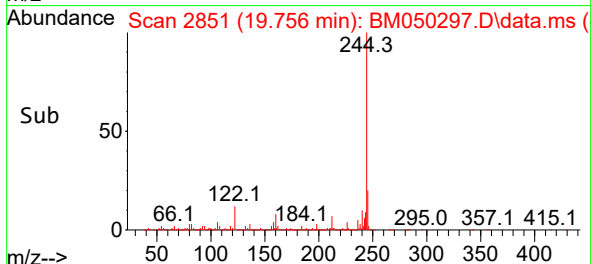
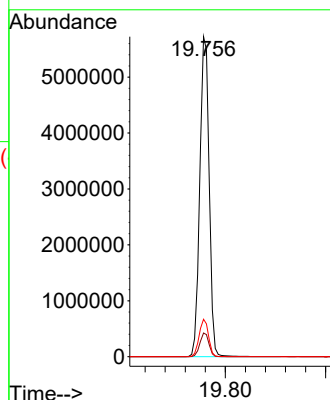
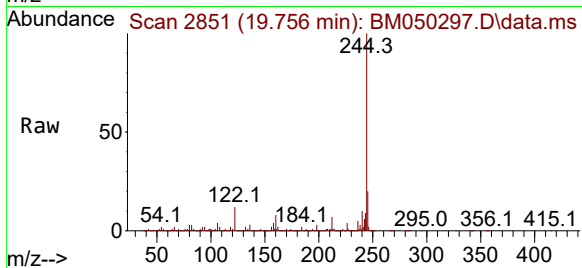
Tgt Ion:244 Resp: 7390342

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 11.7 8.6 12.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.327 min Scan# 3628

Delta R.T. -0.018 min

Lab File: BM050297.D

Acq: 12 Jun 2025 06:29

Tgt Ion:264 Resp: 1594670

Ion Ratio Lower Upper

264 100

260 22.3 18.6 28.0

265 21.3 16.8 25.2

