

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061125\
 Data File : BM050280.D
 Acq On : 11 Jun 2025 18:43
 Operator : RC/JU
 Sample : Q2262-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ARS20-0032

Quant Time: Jun 12 02:55:02 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	408365	20.000	ng	0.00
21) Naphthalene-d8	10.551	136	1516726	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	846104	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	1588213	20.000	ng	0.00
76) Chrysene-d12	21.362	240	1583460	20.000	ng	-0.01
86) Perylene-d12	24.333	264	1650693	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	3777121	154.293	ng	0.00
7) Phenol-d6	6.934	99	4348011	134.923	ng	0.00
23) Nitrobenzene-d5	8.916	82	3096919	106.193	ng	0.00
42) 2,4,6-Tribromophenol	15.880	330	1705586	177.225	ng	0.00
45) 2-Fluorobiphenyl	13.022	172	6493709	103.906	ng	0.00
79) Terphenyl-d14	19.762	244	9114153	109.075	ng	0.00

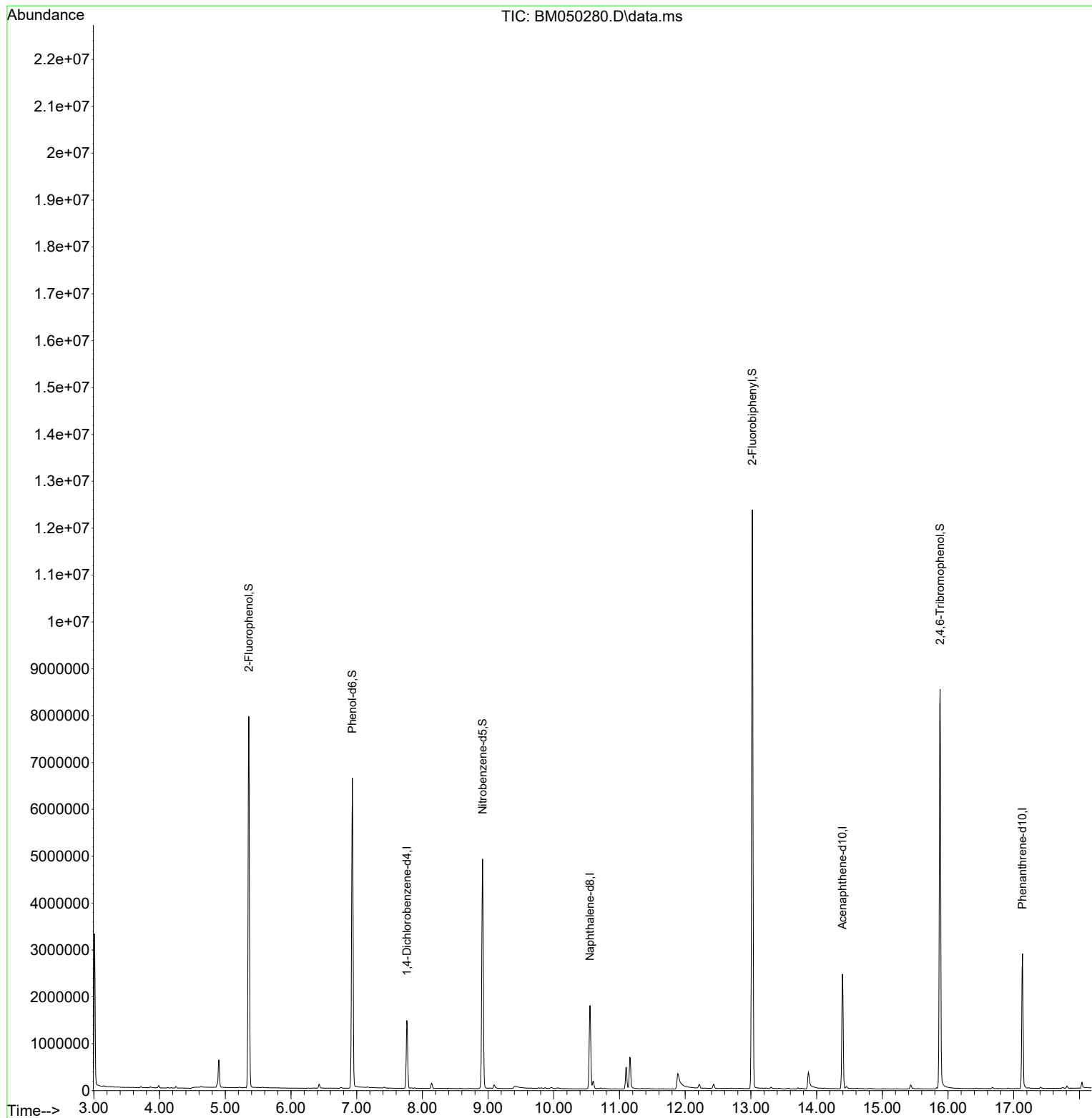
Target Compounds	Qvalue

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

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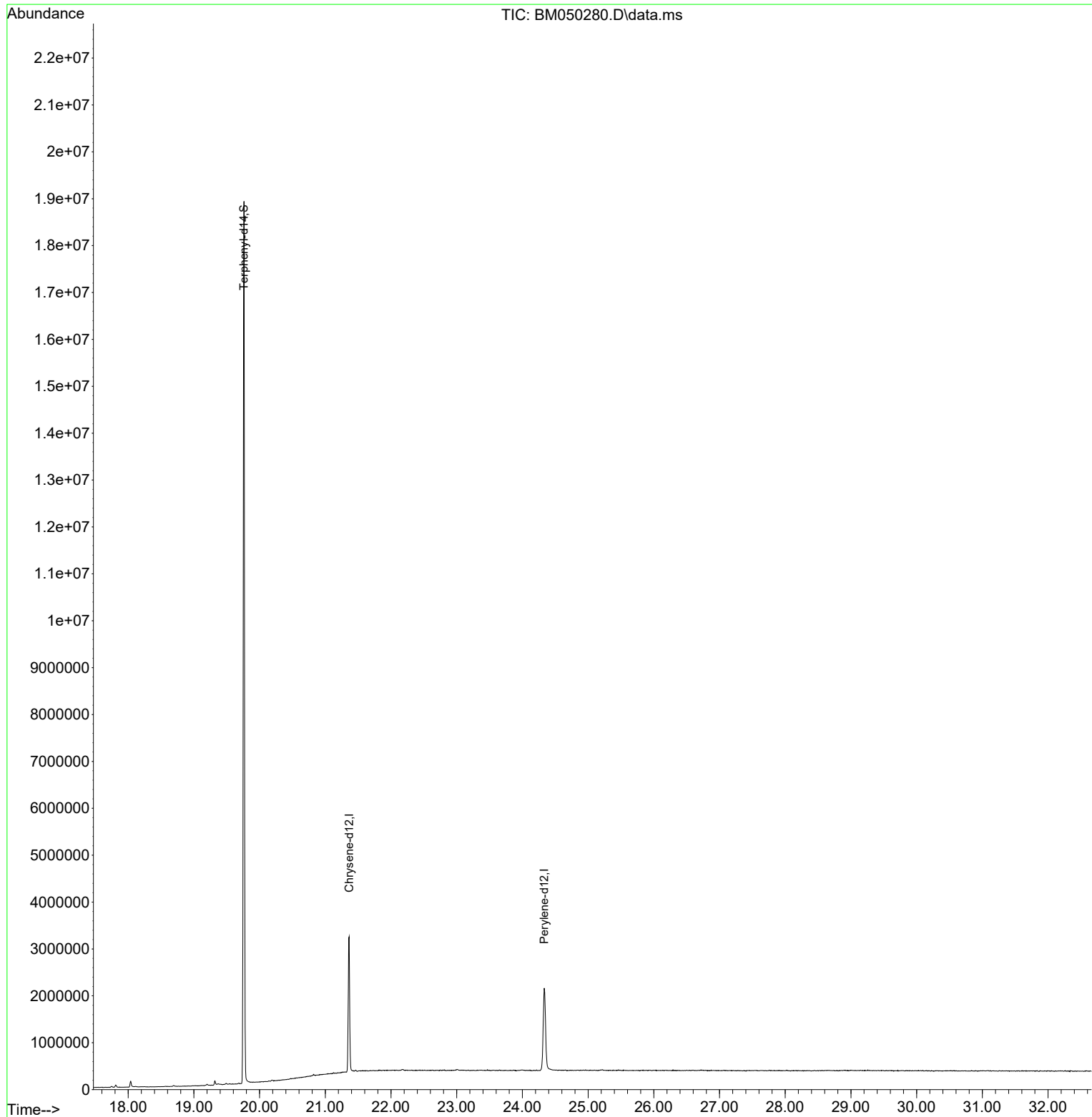
Quant Time: Jun 12 02:55:02 2025
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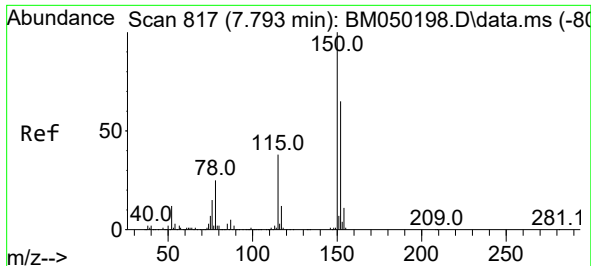


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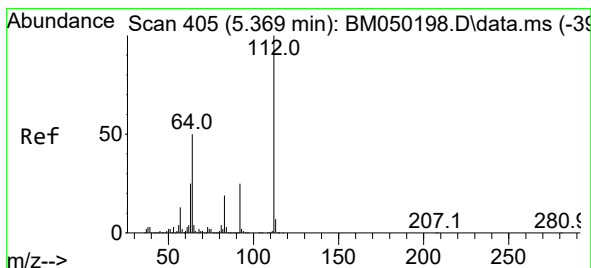
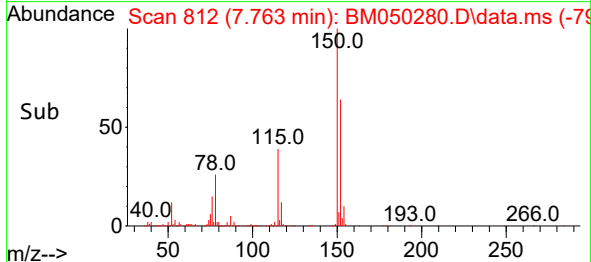
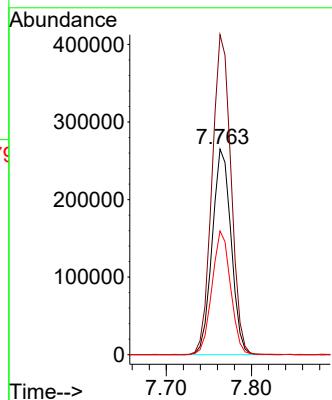
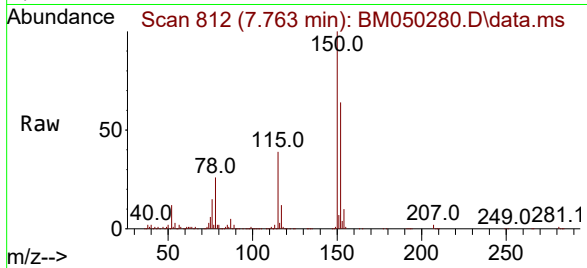




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050280.D
Acq: 11 Jun 2025 18:43

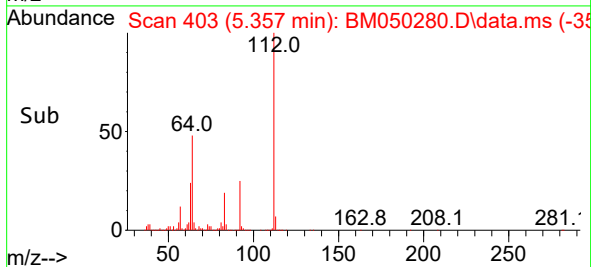
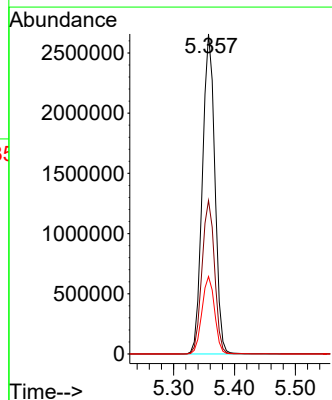
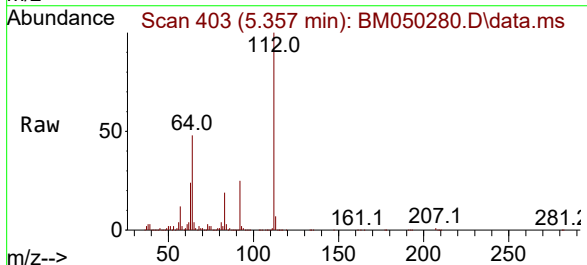
Instrument :
BNA_M
ClientSampleId :
ARS20-0032

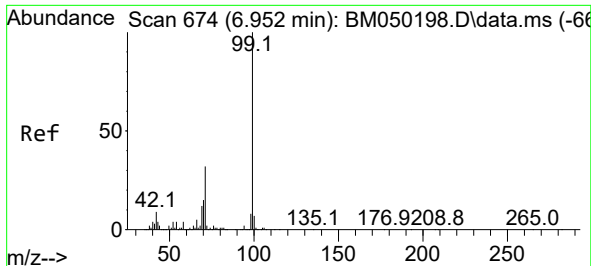
Tgt Ion:152 Resp: 408365
Ion Ratio Lower Upper
152 100
150 155.6 122.2 183.4
115 60.2 46.3 69.5



#5
2-Fluorophenol
Concen: 154.293 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.000 min
Lab File: BM050280.D
Acq: 11 Jun 2025 18:43

Tgt Ion:112 Resp: 3777121
Ion Ratio Lower Upper
112 100
64 47.9 39.8 59.6
63 24.2 19.8 29.8

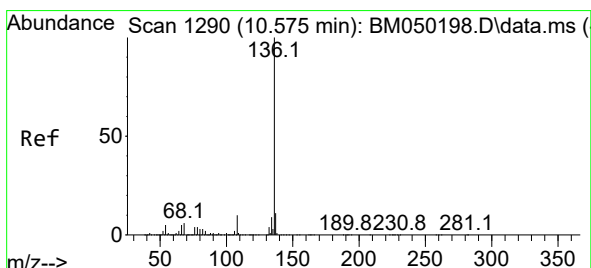
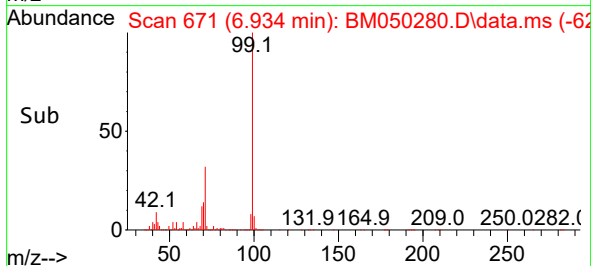
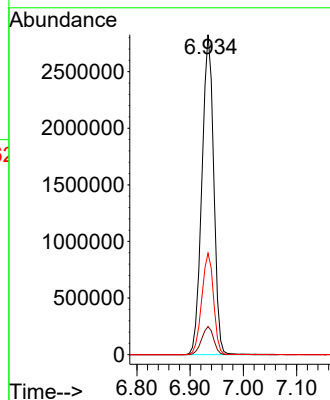
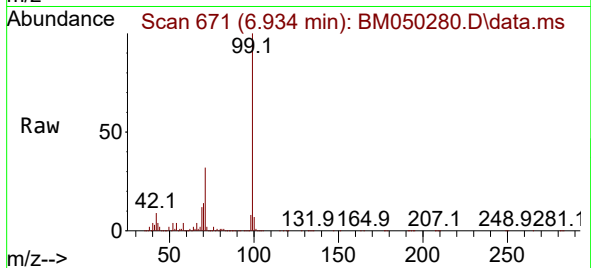




#7
Phenol-d6
Concen: 134.923 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050280.D
Acq: 11 Jun 2025 18:43

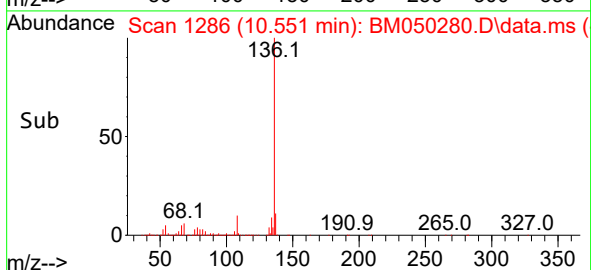
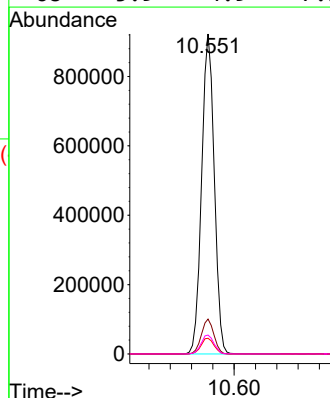
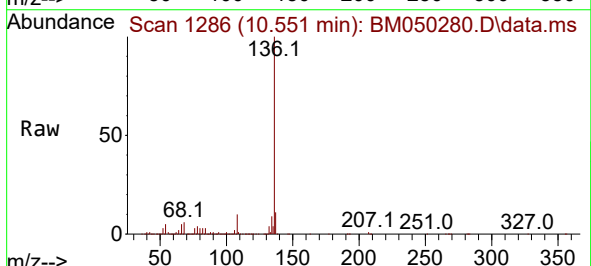
Instrument :
BNA_M
ClientSampleId :
ARS20-0032

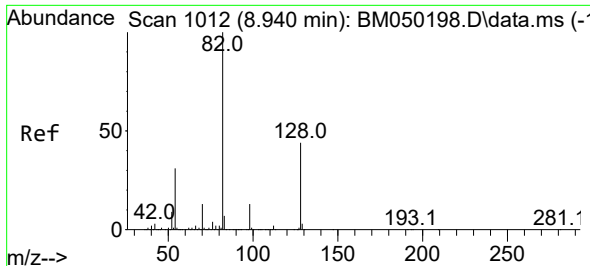
Tgt Ion: 99 Resp: 4348011
Ion Ratio Lower Upper
99 100
42 8.8 6.9 10.3
71 31.7 25.3 37.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM050280.D
Acq: 11 Jun 2025 18:43

Tgt Ion:136 Resp: 1516726
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 4.9 3.8 5.8
68 5.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 106.193 ng

RT: 8.916 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BM050280.D

Acq: 11 Jun 2025 18:43

Instrument :

BNA_M

ClientSampleId :

ARS20-0032

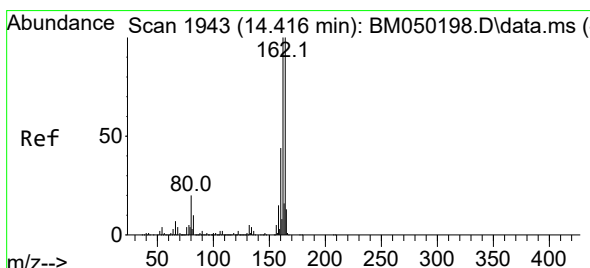
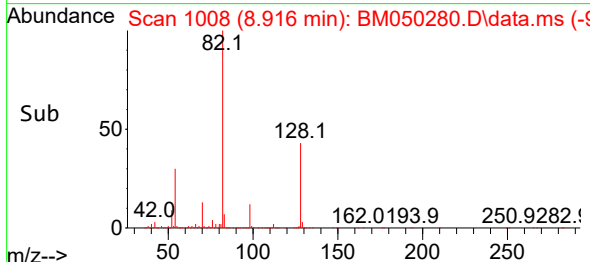
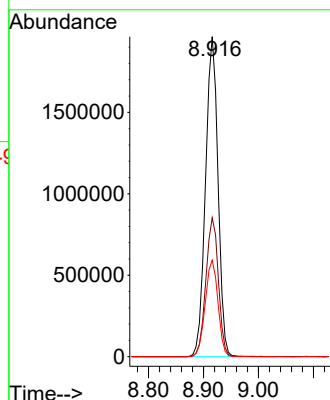
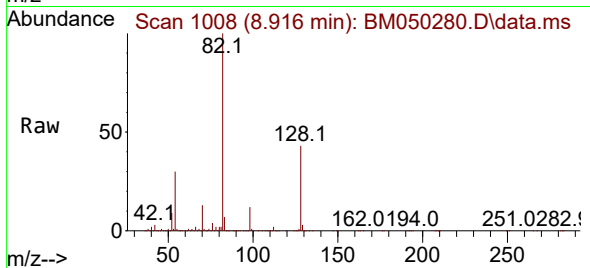
Tgt Ion: 82 Resp: 3096919

Ion Ratio Lower Upper

82 100

128 43.4 35.2 52.8

54 30.1 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: BM050280.D

Acq: 11 Jun 2025 18:43

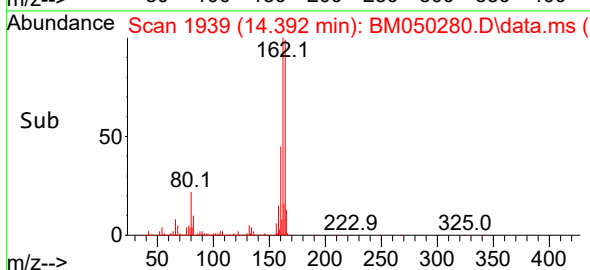
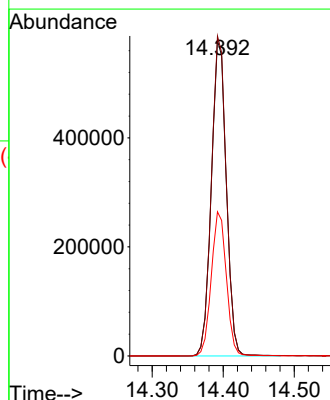
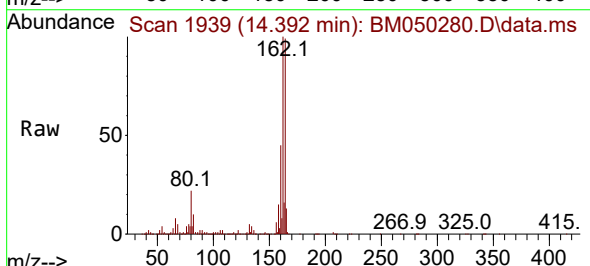
Tgt Ion:164 Resp: 846104

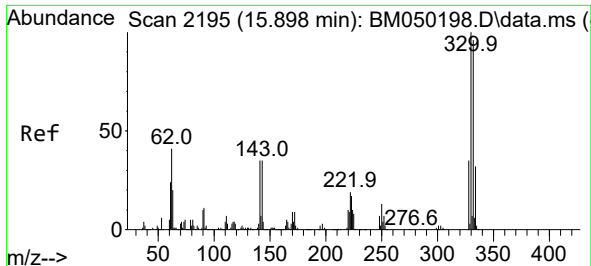
Ion Ratio Lower Upper

164 100

162 101.3 80.2 120.4

160 45.7 35.7 53.5

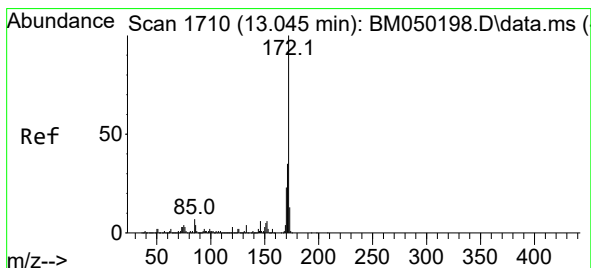
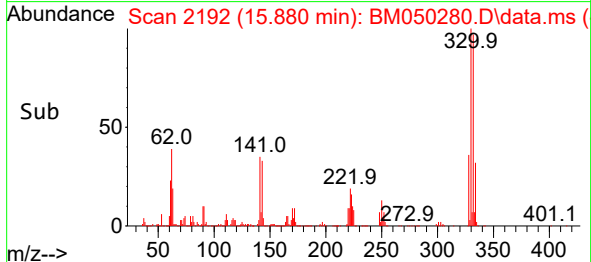
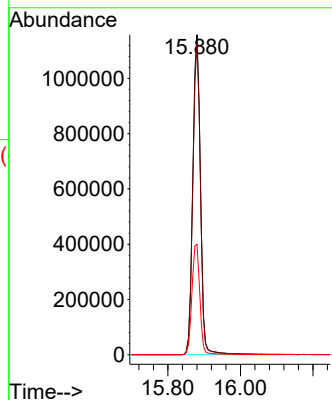
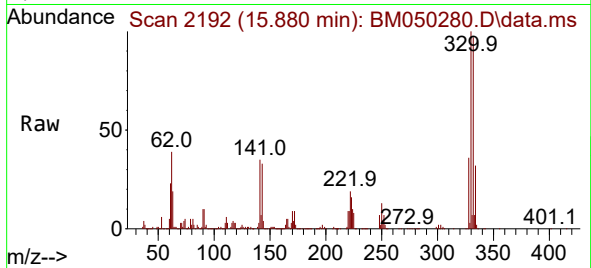




#42
2,4,6-Tribromophenol
Concen: 177.225 ng
RT: 15.880 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BM050280.D
Acq: 11 Jun 2025 18:43

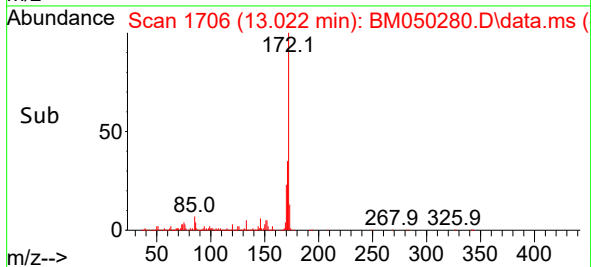
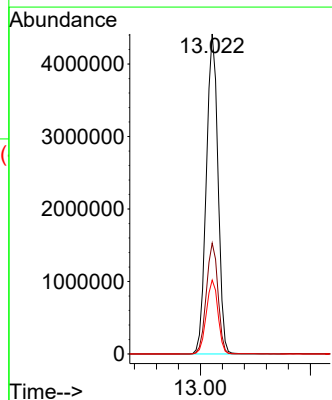
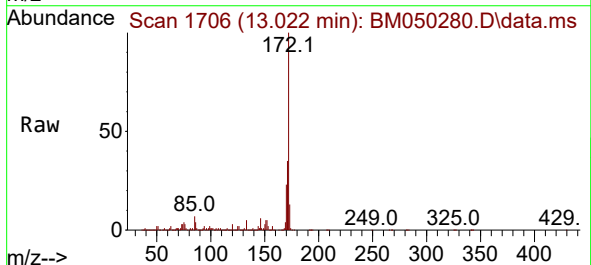
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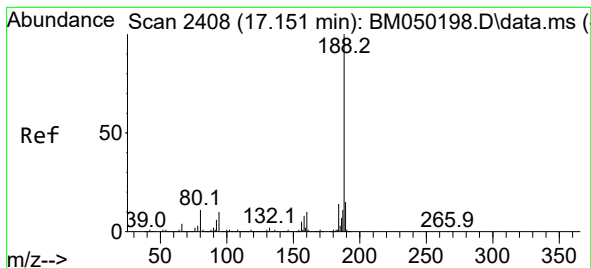
Tgt Ion:330 Resp: 1705586
Ion Ratio Lower Upper
330 100
332 96.5 77.5 116.3
141 35.7 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 103.906 ng
RT: 13.022 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BM050280.D
Acq: 11 Jun 2025 18:43

Tgt Ion:172 Resp: 6493709
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 23.1 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: BM050280.D

Acq: 11 Jun 2025 18:43

Instrument :

BNA_M

ClientSampleId :

ARS20-0032

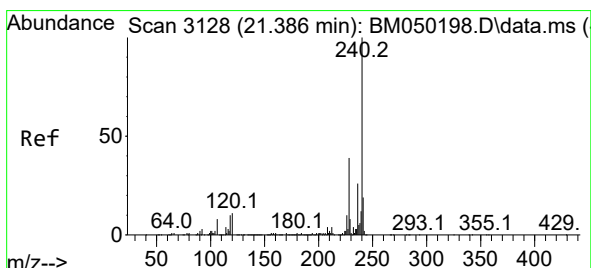
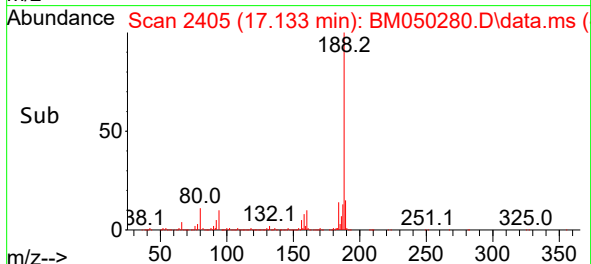
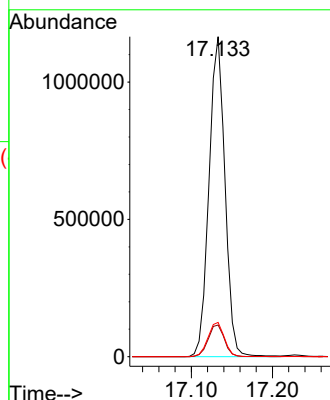
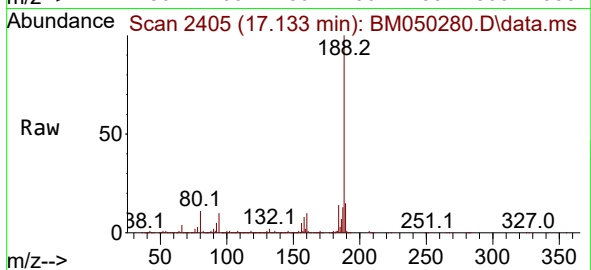
Tgt Ion:188 Resp: 1588213

Ion Ratio Lower Upper

188 100

94 9.9 8.1 12.1

80 10.7 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: BM050280.D

Acq: 11 Jun 2025 18:43

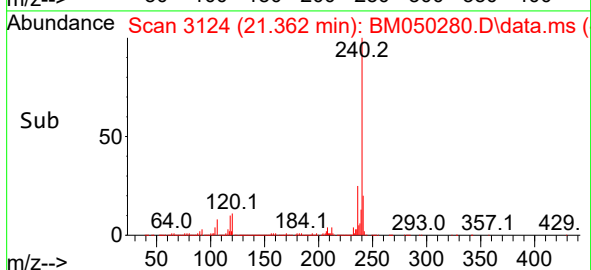
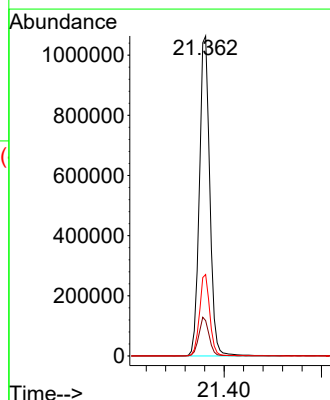
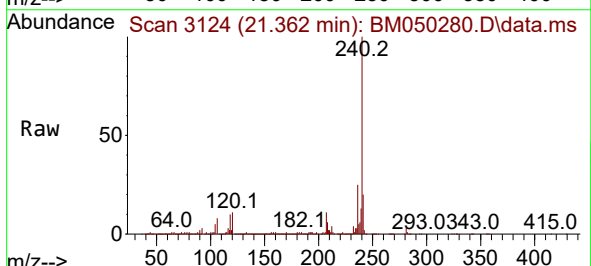
Tgt Ion:240 Resp: 1583460

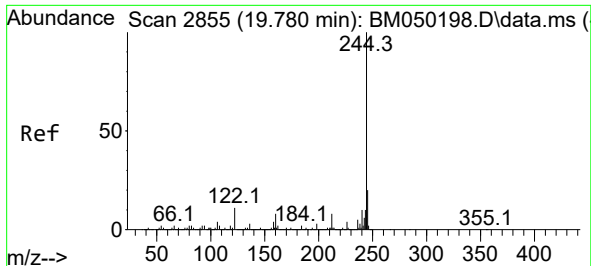
Ion Ratio Lower Upper

240 100

120 11.1 9.0 13.4

236 25.5 20.7 31.1

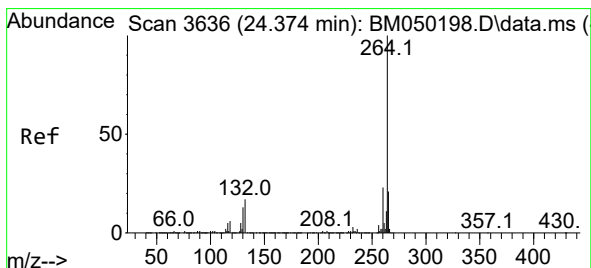
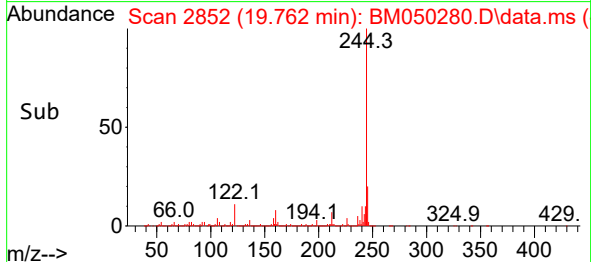
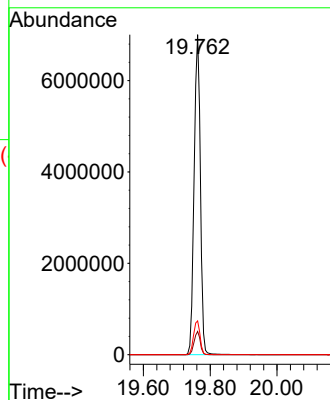
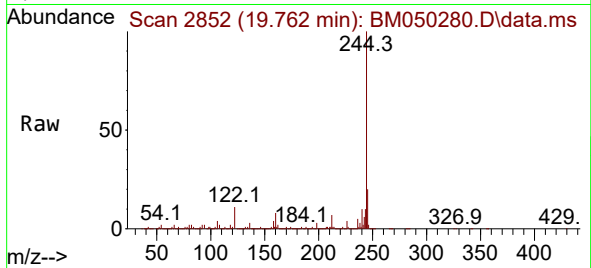




#79
 Terphenyl-d14
 Concen: 109.075 ng
 RT: 19.762 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM050280.D
 Acq: 11 Jun 2025 18:43

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Tgt Ion:244 Resp: 9114153
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 10.6 8.6 12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.333 min Scan# 3629
 Delta R.T. -0.012 min
 Lab File: BM050280.D
 Acq: 11 Jun 2025 18:43

Tgt Ion:264 Resp: 1650693
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.6 28.0
 265 21.8 16.8 25.2

