

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061125\
 Data File : BM050298.D
 Acq On : 12 Jun 2025 07:08
 Operator : RC/JU
 Sample : Q2283-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 12 07:47:07 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)

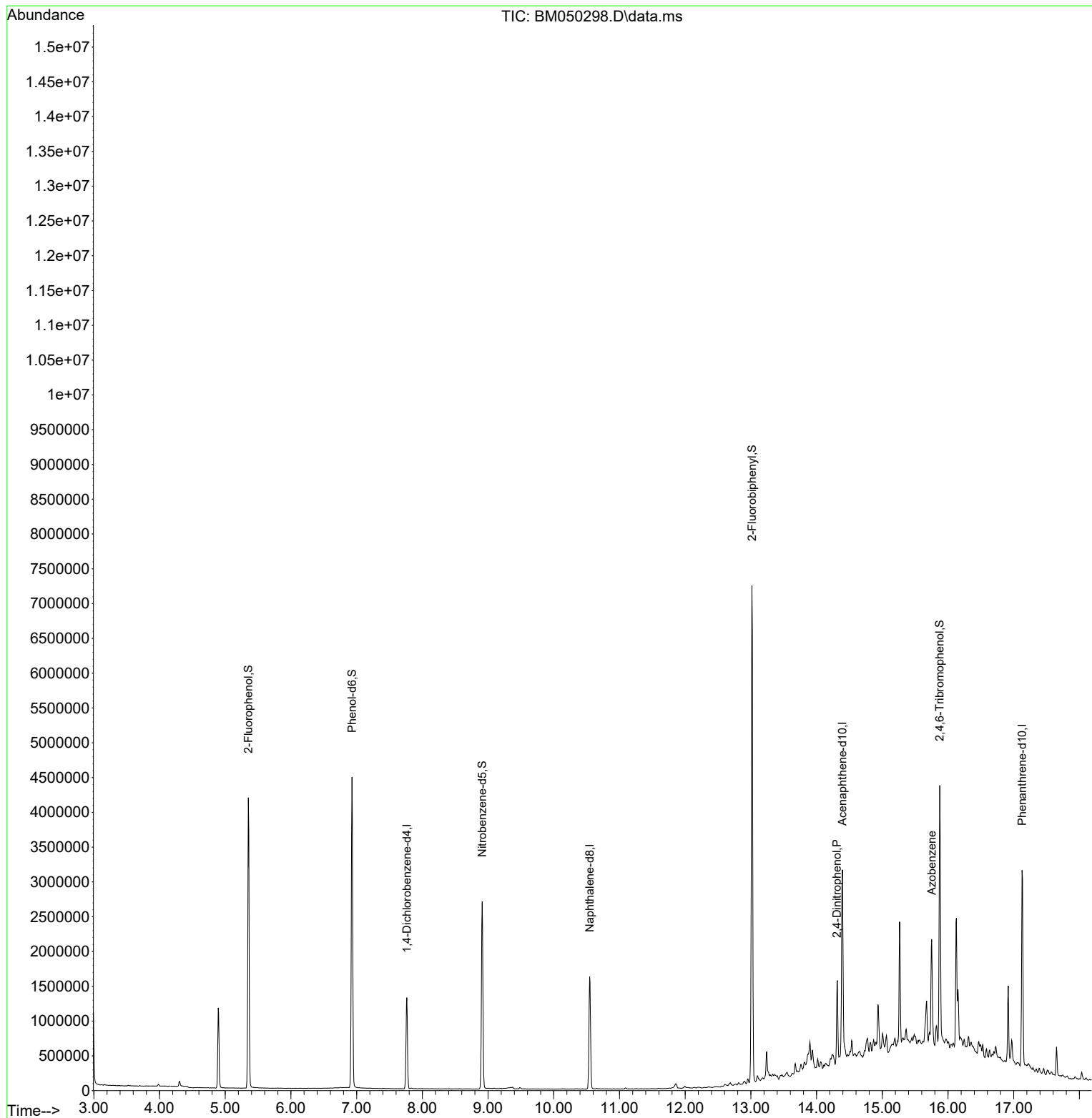
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	362515	20.000	ng	0.00
21) Naphthalene-d8	10.546	136	1372495	20.000	ng	-0.01
39) Acenaphthene-d10	14.392	164	836811	20.000	ng	0.00
64) Phenanthrene-d10	17.127	188	1650203	20.000	ng	-0.01
76) Chrysene-d12	21.357	240	1751714	20.000	ng	-0.02
86) Perylene-d12	24.327	264	1820335	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	1894623	87.183	ng	0.00
7) Phenol-d6	6.928	99	2748377	96.071	ng	0.00
23) Nitrobenzene-d5	8.910	82	1678658	63.610	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	615255	64.640	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	3561865	57.626	ng	-0.01
79) Terphenyl-d14	19.757	244	5774978	62.474	ng	-0.01
Target Compounds						
54) 2,4-Dinitrophenol	14.310	184	253	6.252	ng	# 1
63) Azobenzene	15.751	77	450326	8.024	ng	# 1

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

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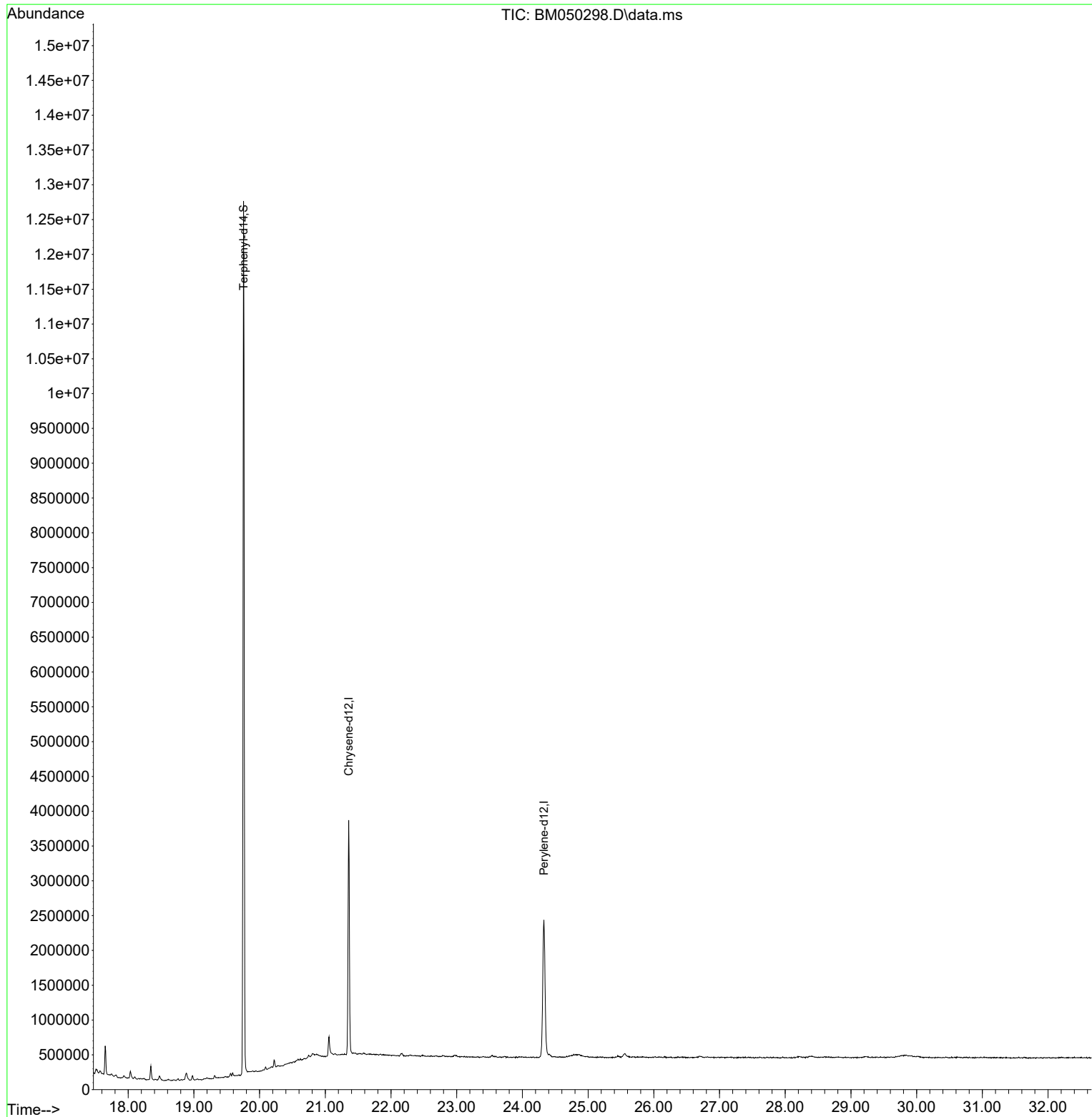
Quant Time: Jun 12 07:47:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
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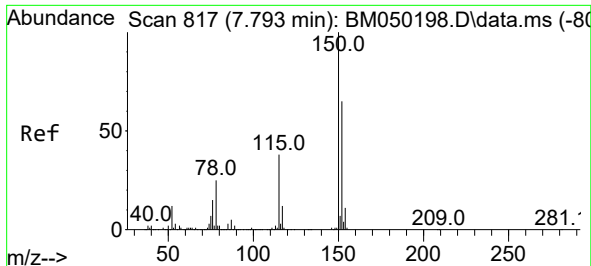


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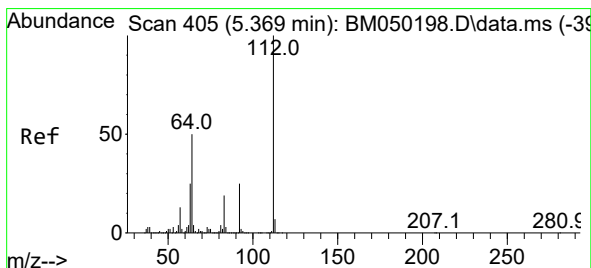
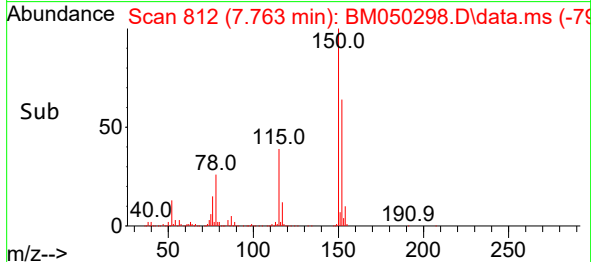
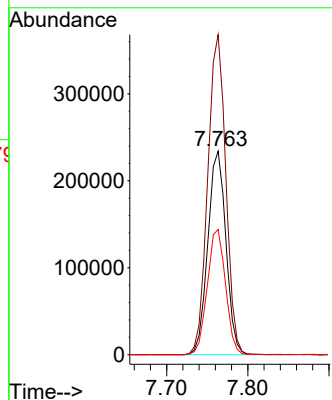
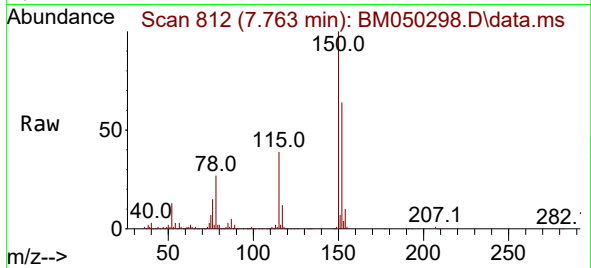




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 817
Delta R.T. -0.006 min
Lab File: BM050298.D
Acq: 12 Jun 2025 07:08

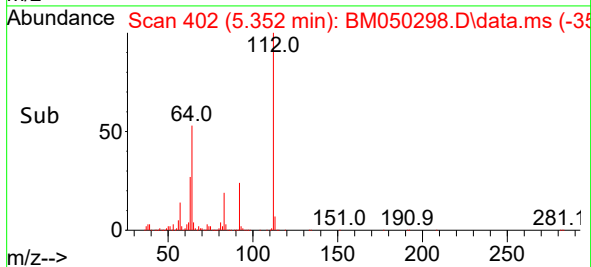
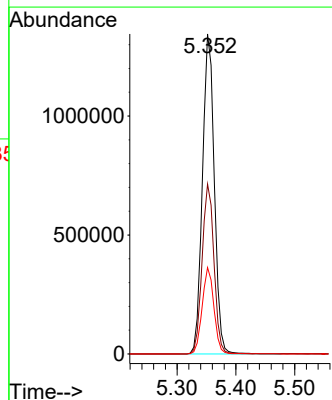
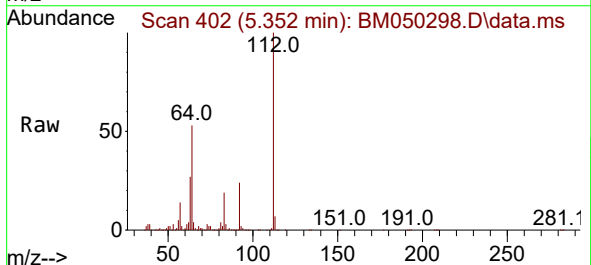
Instrument :
BNA_M
ClientSampleId :

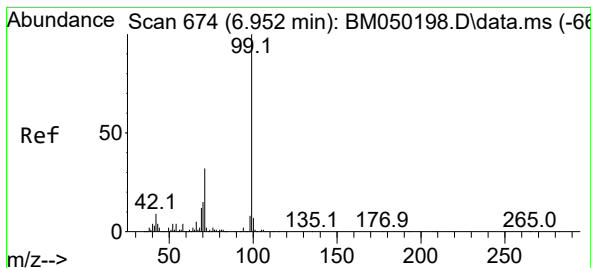
Tgt Ion:152 Resp: 362515
Ion Ratio Lower Upper
152 100
150 157.3 122.2 183.4
115 61.6 46.3 69.5



#5
2-Fluorophenol
Concen: 87.183 ng
RT: 5.352 min Scan# 402
Delta R.T. -0.006 min
Lab File: BM050298.D
Acq: 12 Jun 2025 07:08

Tgt Ion:112 Resp: 1894623
Ion Ratio Lower Upper
112 100
64 53.1 39.8 59.6
63 27.0 19.8 29.8





#7

Phenol-d6

Concen: 96.071 ng

RT: 6.928 min Scan# 61

Delta R.T. -0.006 min

Lab File: BM050298.D

Acq: 12 Jun 2025 07:08

Instrument :

BNA_M

ClientSampleId :

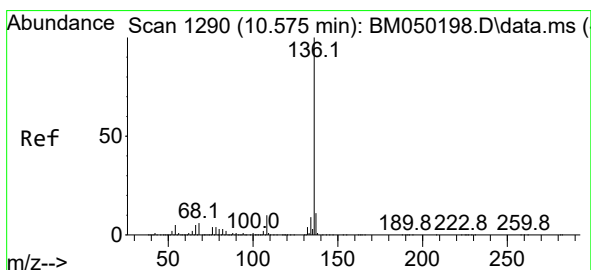
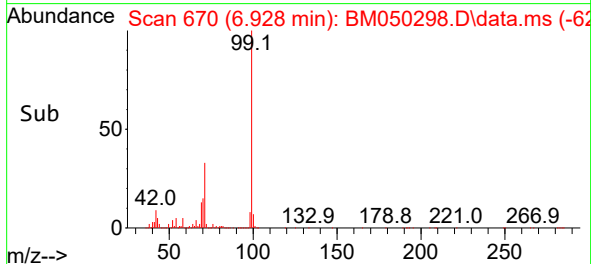
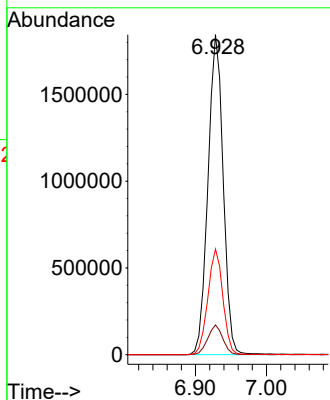
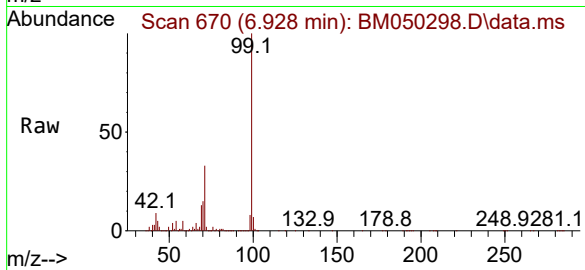
Tgt Ion: 99 Resp: 2748377

Ion Ratio Lower Upper

99 100

42 9.3 6.9 10.3

71 33.0 25.3 37.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.546 min Scan# 1285

Delta R.T. -0.011 min

Lab File: BM050298.D

Acq: 12 Jun 2025 07:08

Tgt Ion: 136 Resp: 1372495

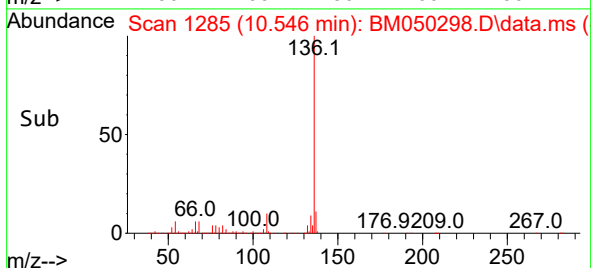
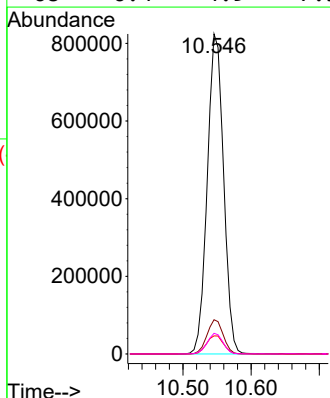
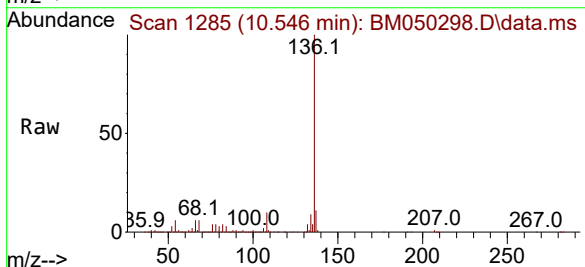
Ion Ratio Lower Upper

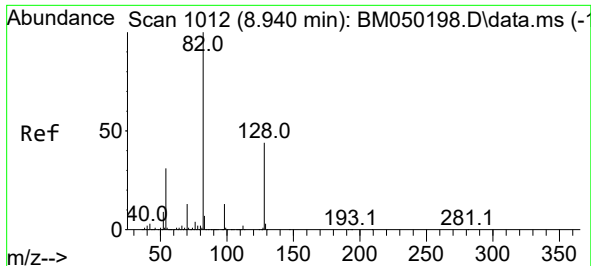
136 100

137 10.7 8.6 13.0

54 5.7 3.8 5.8

68 6.4 4.9 7.3

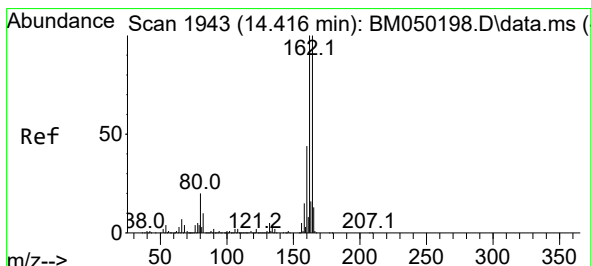
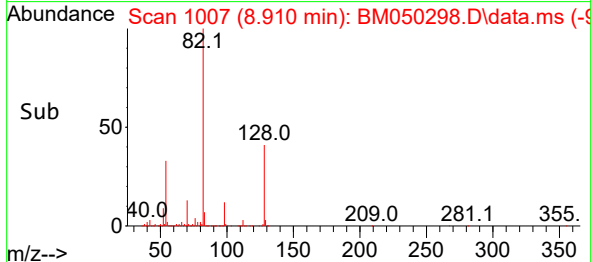
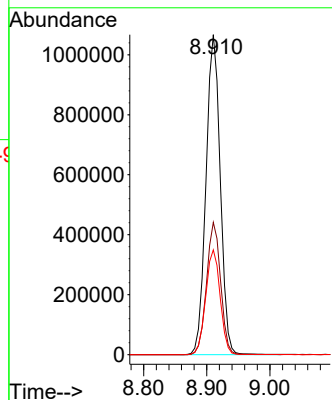
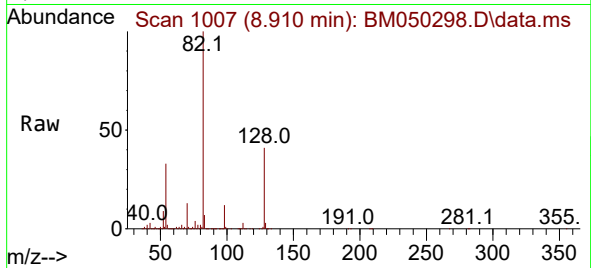




#23
Nitrobenzene-d5
Concen: 63.610 ng
RT: 8.910 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM050298.D
Acq: 12 Jun 2025 07:08

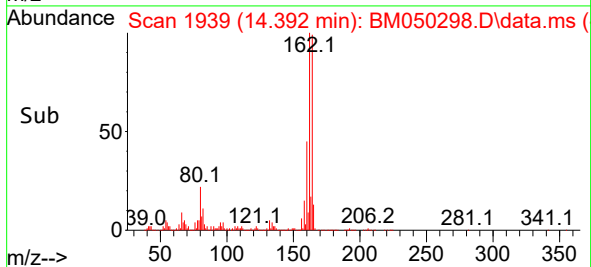
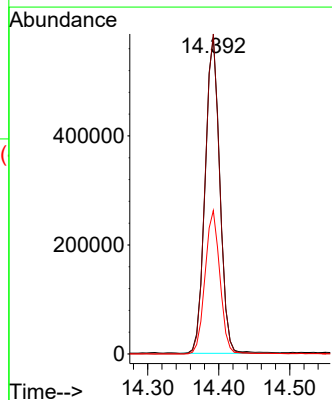
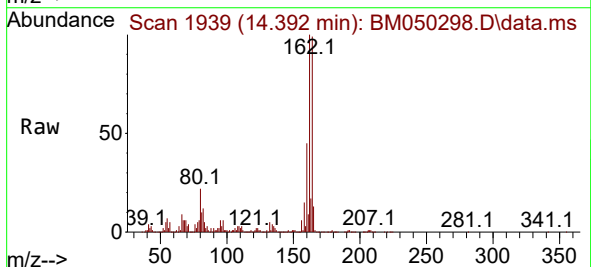
Instrument :
BNA_M
ClientSampleId :

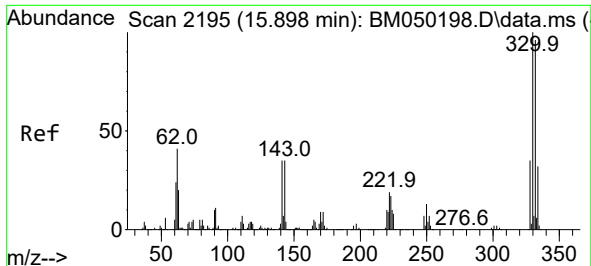
Tgt Ion: 82 Resp: 1678658
Ion Ratio Lower Upper
82 100
128 41.4 35.2 52.8
54 32.8 24.5 36.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BM050298.D
Acq: 12 Jun 2025 07:08

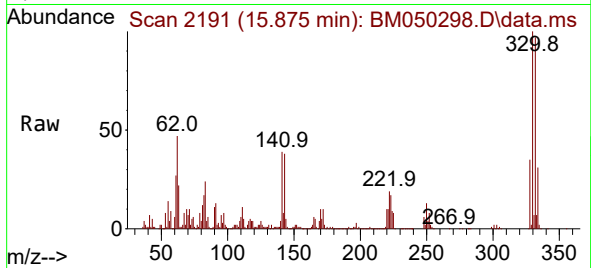
Tgt Ion: 164 Resp: 836811
Ion Ratio Lower Upper
164 100
162 101.1 80.2 120.4
160 45.3 35.7 53.5



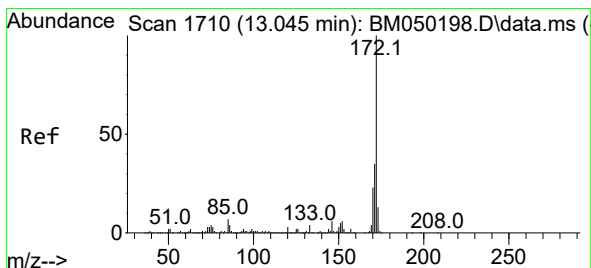
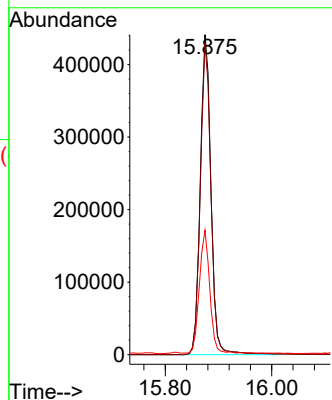
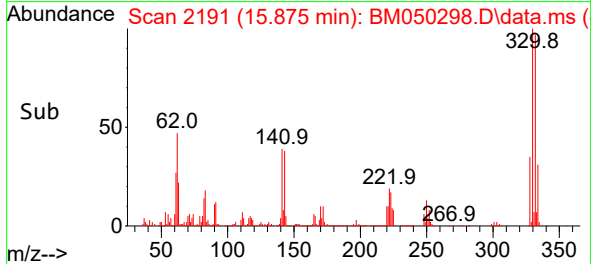


#42
2,4,6-Tribromophenol
Concen: 64.640 ng
RT: 15.875 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM050298.D
Acq: 12 Jun 2025 07:08

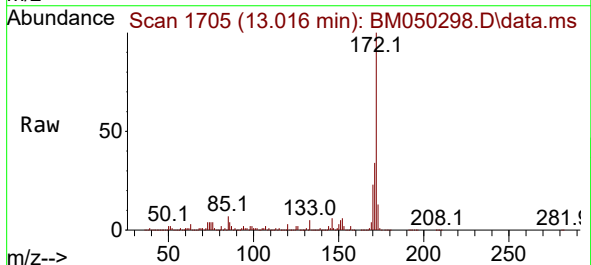
Instrument :
BNA_M
ClientSampleId :



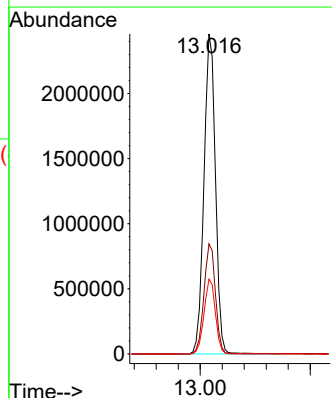
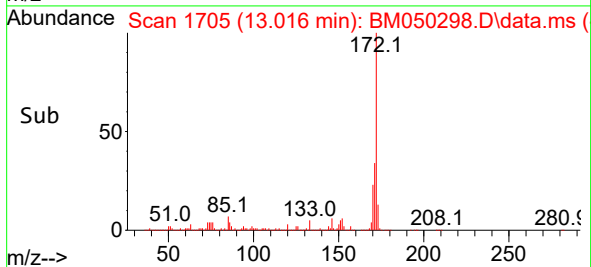
Tgt Ion:330 Resp: 615255
Ion Ratio Lower Upper
330 100
332 97.4 77.5 116.3
141 37.0 28.8 43.2

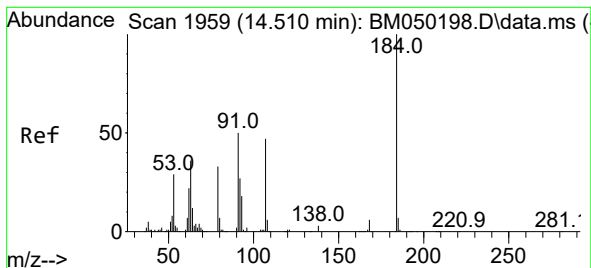


#45
2-Fluorobiphenyl
Concen: 57.626 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.011 min
Lab File: BM050298.D
Acq: 12 Jun 2025 07:08



Tgt Ion:172 Resp: 3561865
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.6
170 23.3 18.6 27.8

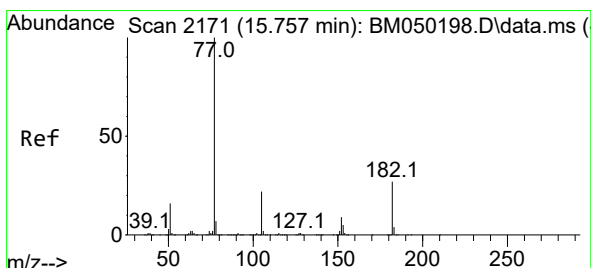
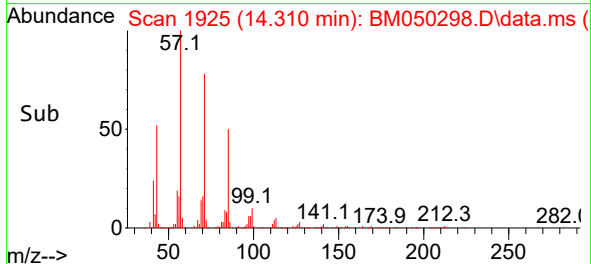
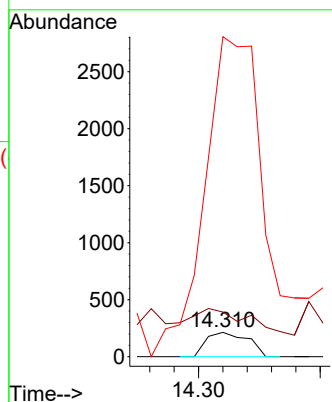
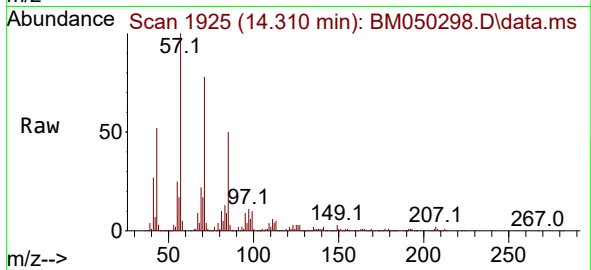




#54
2,4-Dinitrophenol
Concen: 6.252 ng
RT: 14.310 min Scan# 1959
Delta R.T. -0.182 min
Lab File: BM050298.D
Acq: 12 Jun 2025 07:08

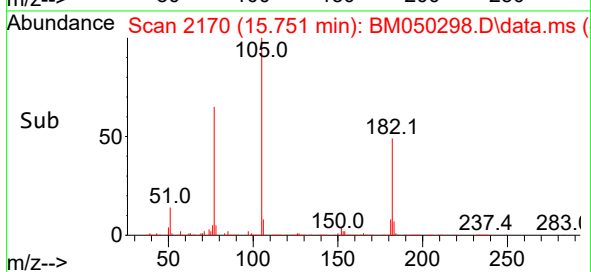
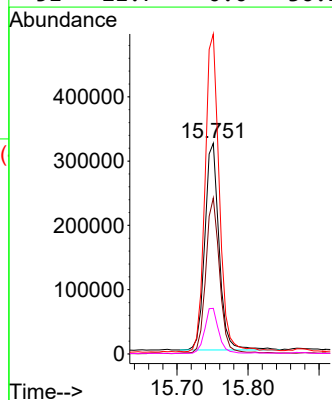
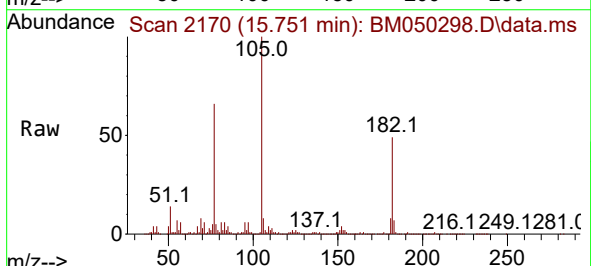
Instrument :
BNA_M
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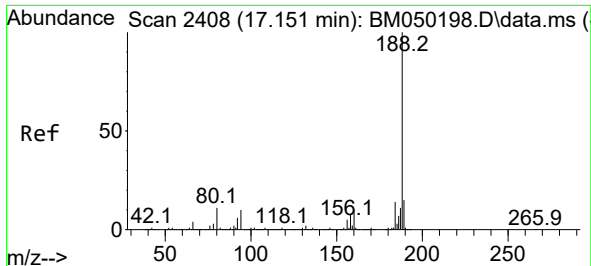
Tgt Ion:184 Resp: 253
Ion Ratio Lower Upper
184 100
63 183.2 45.3 67.9#
154 1311.7 54.3 81.5#



#63
Azobenzene
Concen: 8.024 ng
RT: 15.751 min Scan# 2170
Delta R.T. 0.018 min
Lab File: BM050298.D
Acq: 12 Jun 2025 07:08

Tgt Ion: 77 Resp: 450326
Ion Ratio Lower Upper
77 100
182 74.0 6.8 46.8#
105 151.9 1.7 41.7#
51 21.7 0.0 36.2

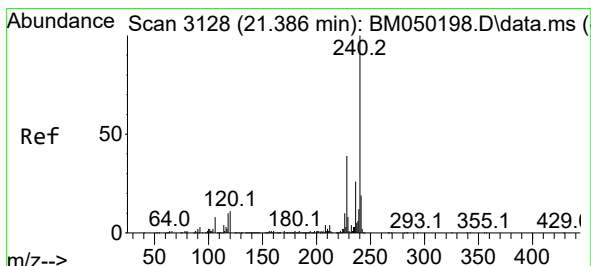
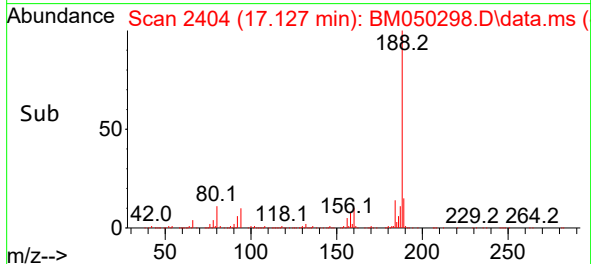
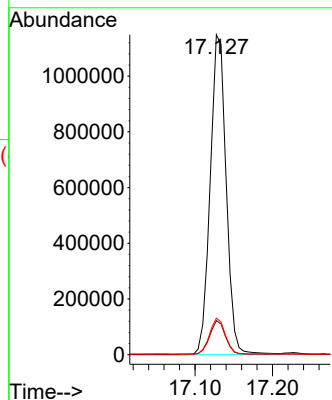
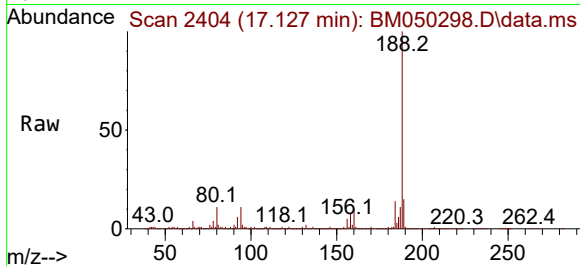




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.127 min Scan# 2404
Delta R.T. -0.011 min
Lab File: BM050298.D
Acq: 12 Jun 2025 07:08

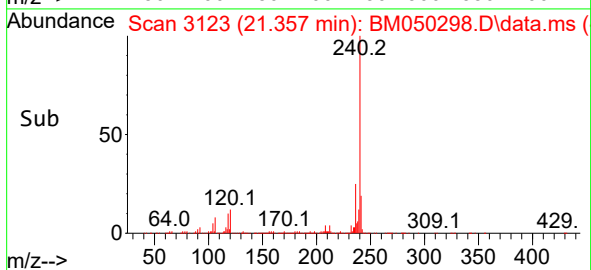
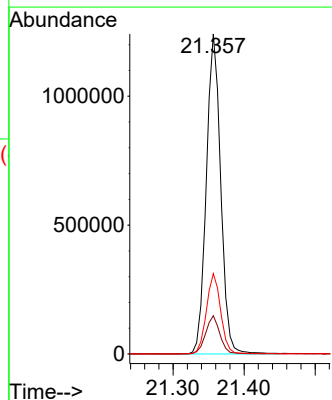
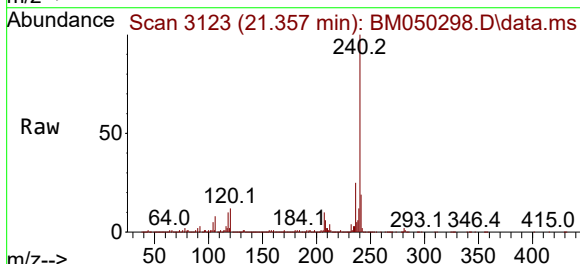
Instrument :
BNA_M
ClientSampleId :

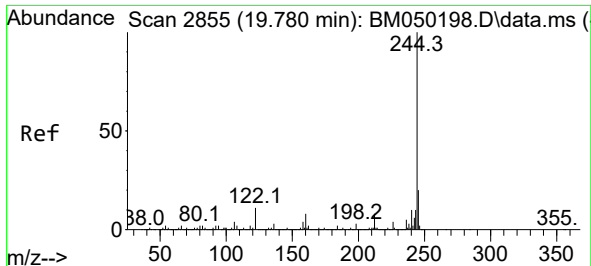
Tgt Ion:188 Resp: 1650203
Ion Ratio Lower Upper
188 100
94 10.6 8.1 12.1
80 11.4 8.6 13.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.357 min Scan# 3123
Delta R.T. -0.017 min
Lab File: BM050298.D
Acq: 12 Jun 2025 07:08

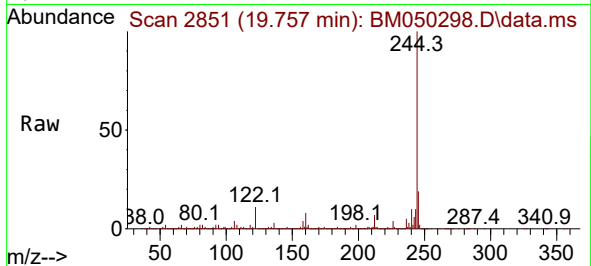
Tgt Ion:240 Resp: 1751714
Ion Ratio Lower Upper
240 100
120 11.9 9.0 13.4
236 25.1 20.7 31.1



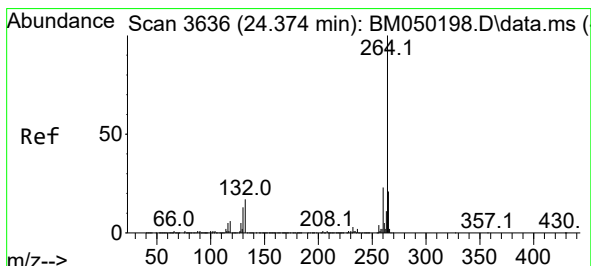
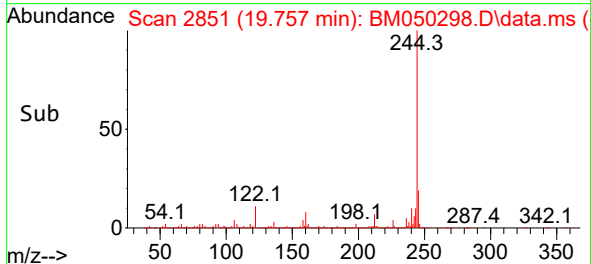
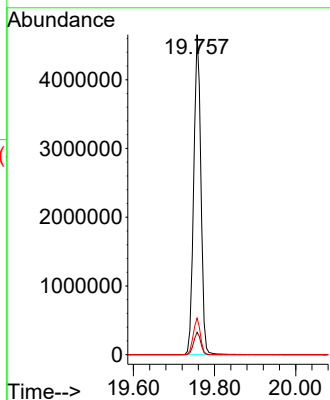


#79
 Terphenyl-d14
 Concen: 62.474 ng
 RT: 19.757 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BM050298.D
 Acq: 12 Jun 2025 07:08

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:244 Resp: 5774978
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 11.5 8.6 12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.327 min Scan# 3628
 Delta R.T. -0.017 min
 Lab File: BM050298.D
 Acq: 12 Jun 2025 07:08

Tgt Ion:264 Resp: 1820335
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.6 28.0
 265 21.3 16.8 25.2

