

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
 Data File : BM050020.D
 Acq On : 23 Apr 2025 19:11
 Operator : RC/JU
 Sample : Q1859-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COMP-1

Quant Time: Apr 24 02:01:40 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)

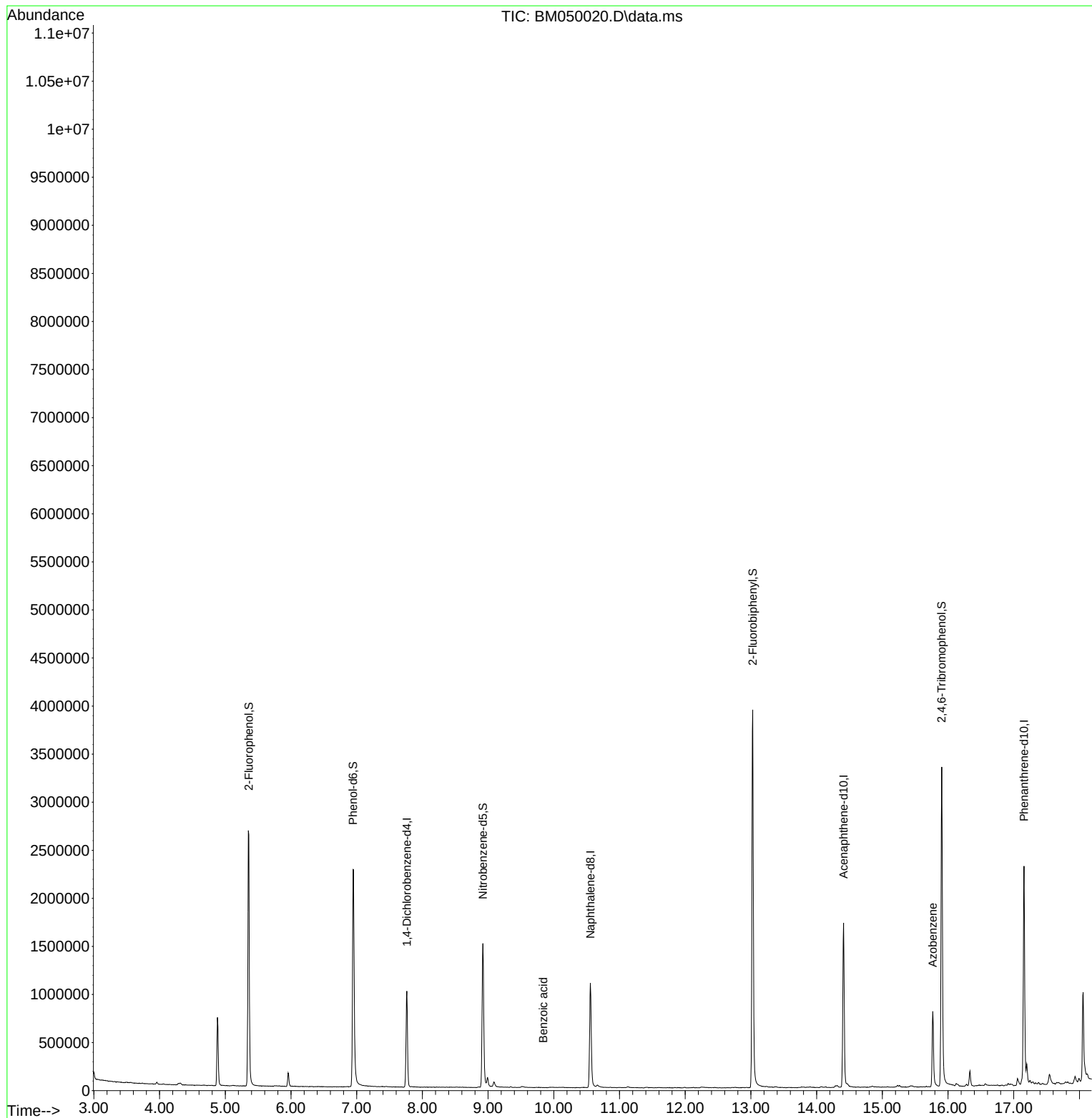
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	289051	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	1021677	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	677035	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1421818	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1426892	20.000	ng	0.00
86) Perylene-d12	24.397	264	1475476	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1269785	74.596	ng	0.00
7) Phenol-d6	6.945	99	1584539	74.817	ng	0.00
23) Nitrobenzene-d5	8.922	82	963264	52.502	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	735077	74.644	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	2352235	47.112	ng	-0.02
79) Terphenyl-d14	19.780	244	3997791	52.506	ng	-0.01
Target Compounds						
32) Benzoic acid	9.839	122	59	8.542	ng	# 1
63) Azobenzene	15.768	77	241306	6.153	ng	# 1

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

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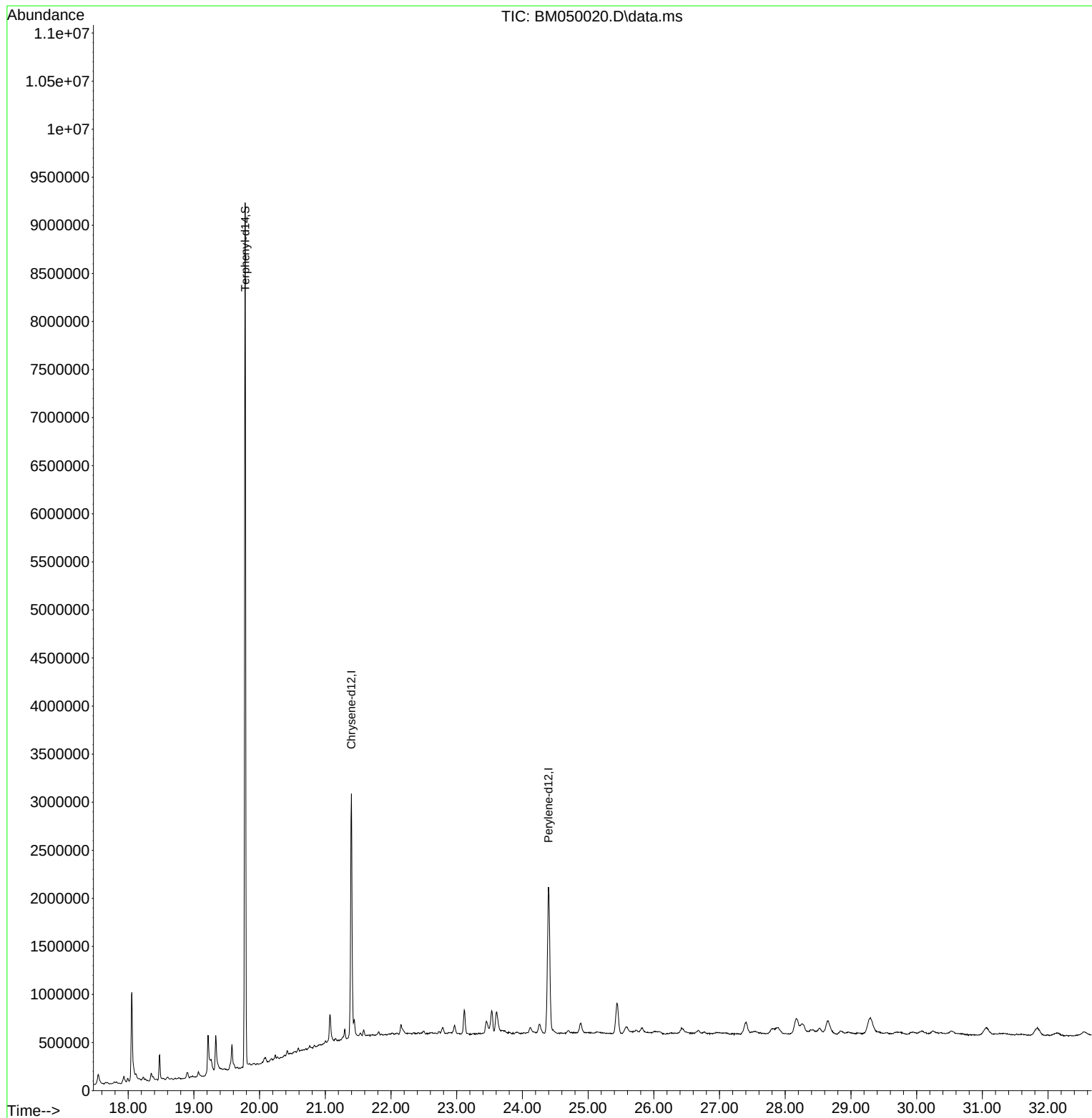
Quant Time: Apr 24 02:01:40 2025
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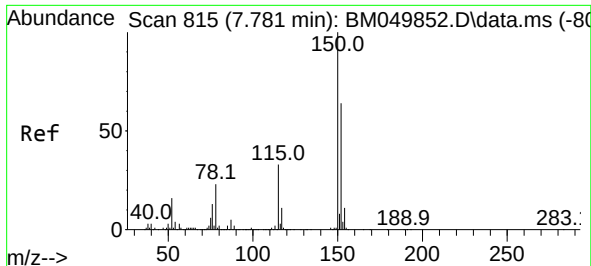


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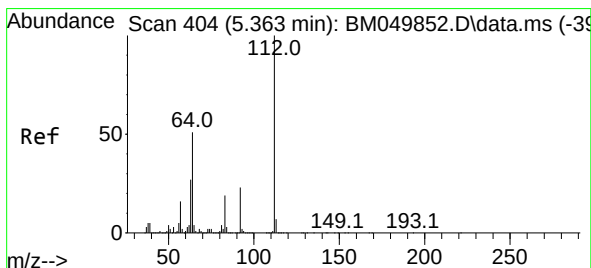
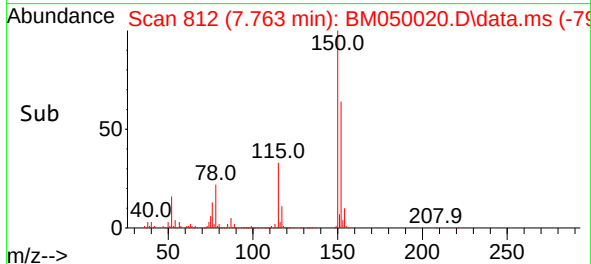
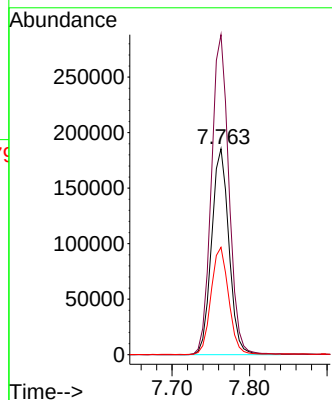
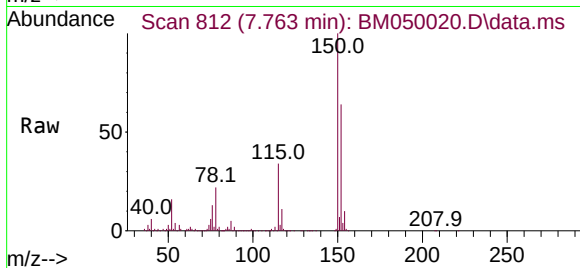




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM050020.D
Acq: 23 Apr 2025 19:11

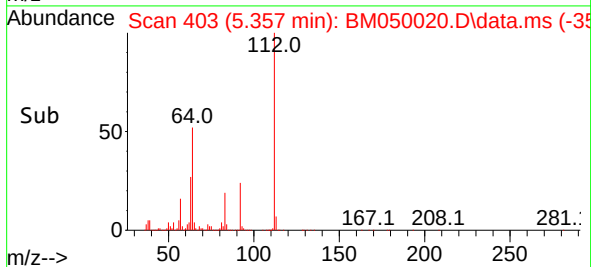
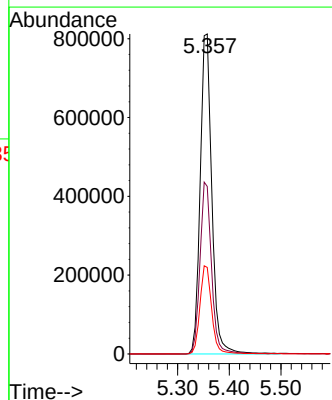
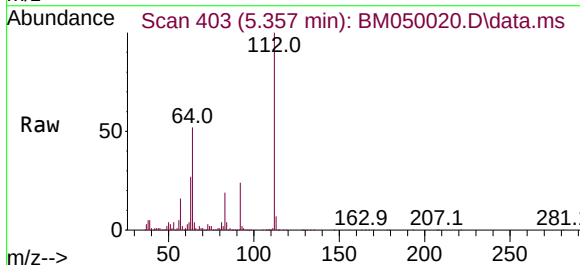
Instrument :
BNA_M
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COMP-1

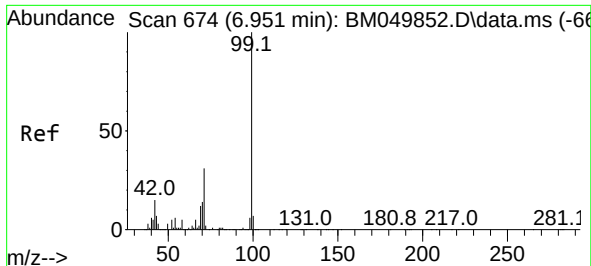
Tgt Ion:152 Resp: 289051
Ion Ratio Lower Upper
152 100
150 155.4 124.3 186.5
115 52.1 41.1 61.7



#5
2-Fluorophenol
Concen: 74.596 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM050020.D
Acq: 23 Apr 2025 19:11

Tgt Ion:112 Resp: 1269785
Ion Ratio Lower Upper
112 100
64 52.4 41.0 61.6
63 27.1 21.5 32.3

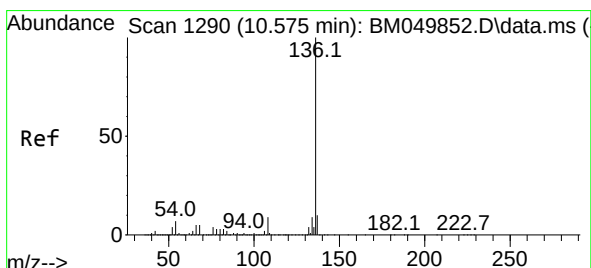
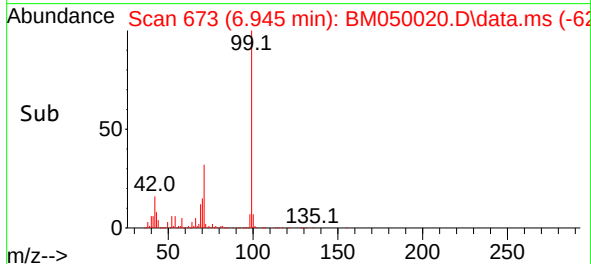
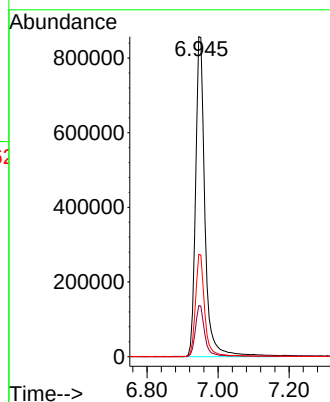
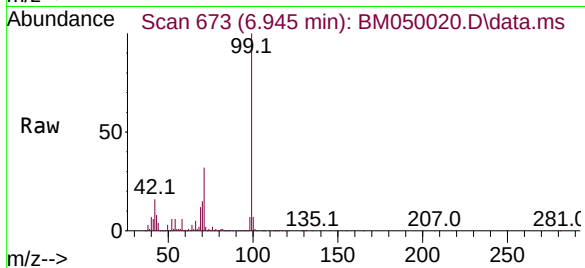




#7
Phenol-d6
Concen: 74.817 ng
RT: 6.945 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050020.D
Acq: 23 Apr 2025 19:11

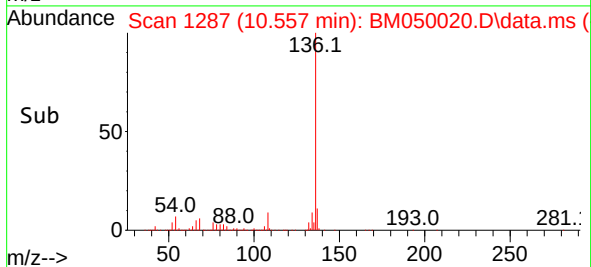
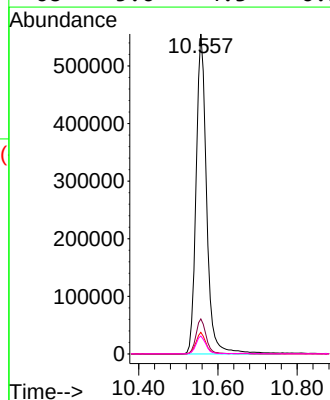
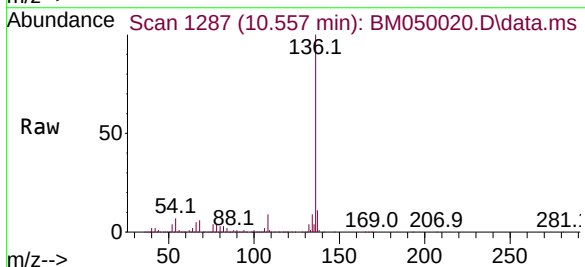
Instrument :
BNA_M
ClientSampleId :
COMP-1

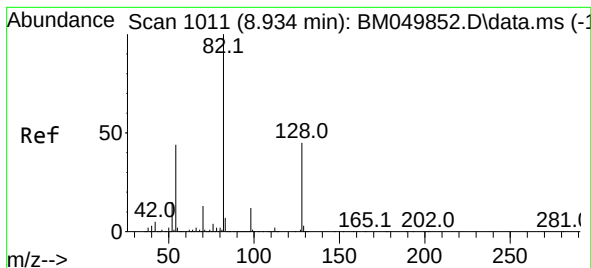
Tgt Ion: 99 Resp: 1584539
Ion Ratio Lower Upper
99 100
42 15.9 12.1 18.1
71 31.9 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM050020.D
Acq: 23 Apr 2025 19:11

Tgt Ion:136 Resp: 1021677
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 6.8 5.3 7.9
68 5.6 4.3 6.5





#23

Nitrobenzene-d5

Concen: 52.502 ng

RT: 8.922 min Scan# 1105

Delta R.T. -0.012 min

Lab File: BM050020.D

Acq: 23 Apr 2025 19:11

Instrument :

BNA_M

ClientSampleId :

COMP-1

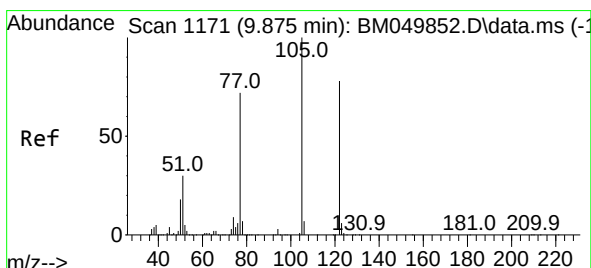
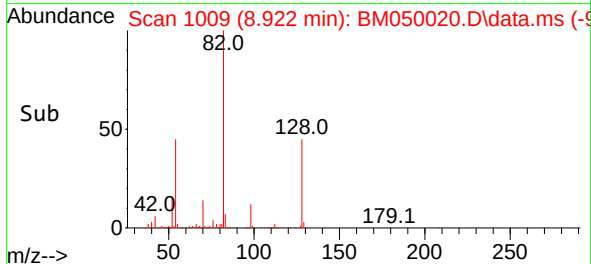
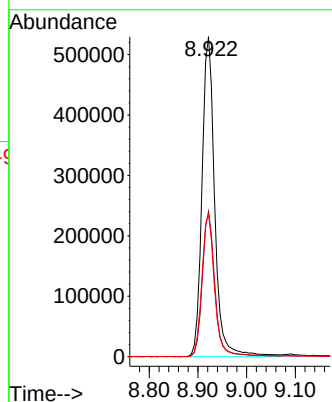
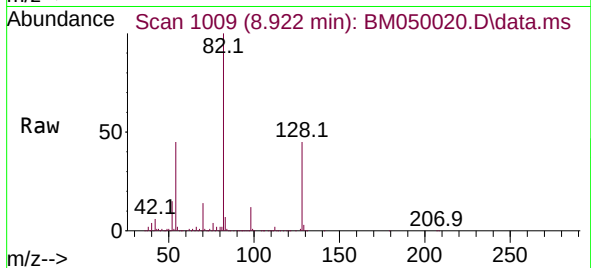
Tgt Ion: 82 Resp: 963264

Ion Ratio Lower Upper

82 100

128 45.4 36.2 54.2

54 44.6 35.0 52.6



#32

Benzoic acid

Concen: 8.542 ng

RT: 9.839 min Scan# 1165

Delta R.T. -0.036 min

Lab File: BM050020.D

Acq: 23 Apr 2025 19:11

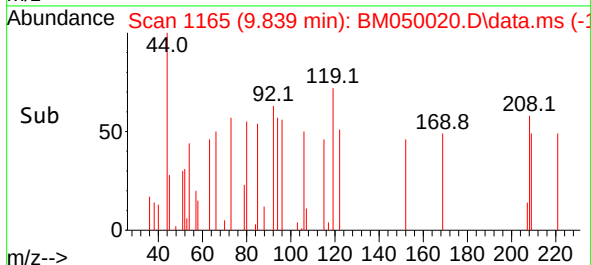
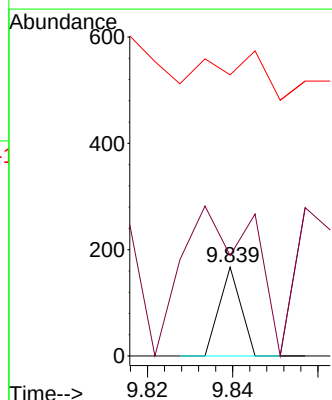
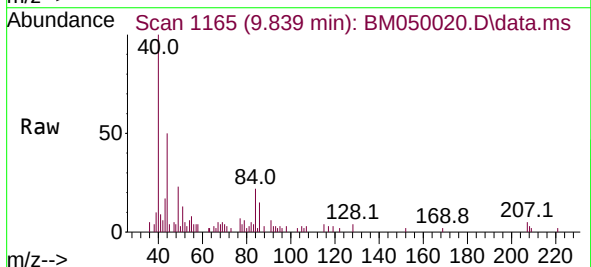
Tgt Ion:122 Resp: 59

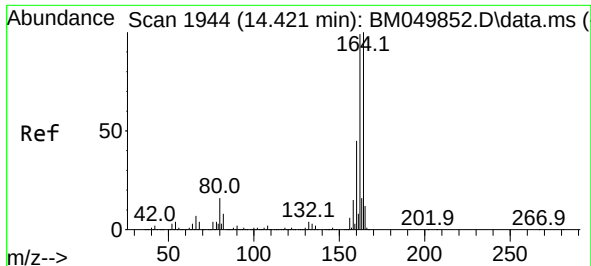
Ion Ratio Lower Upper

122 100

105 113.2 103.8 143.8

77 316.8 70.7 110.7#

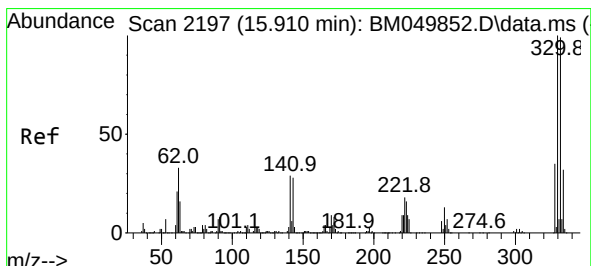
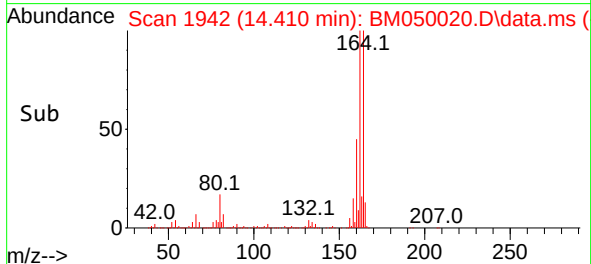
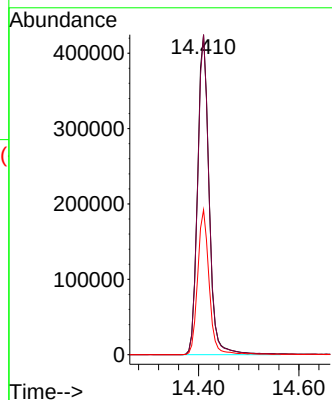
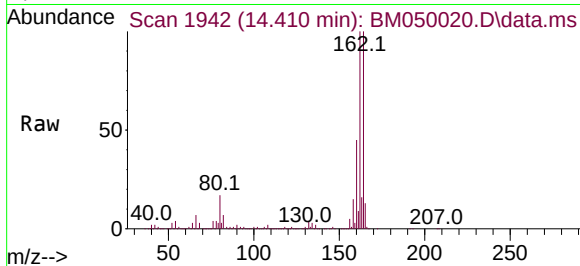




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM050020.D
Acq: 23 Apr 2025 19:11

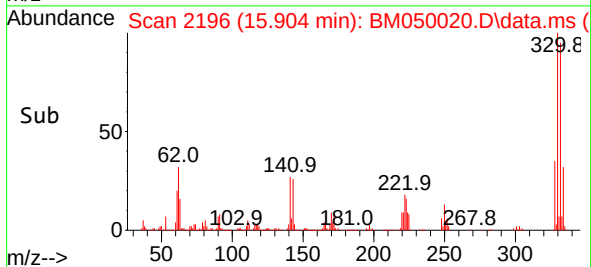
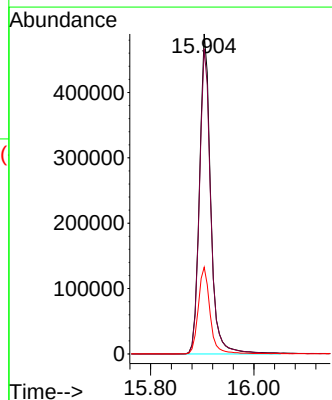
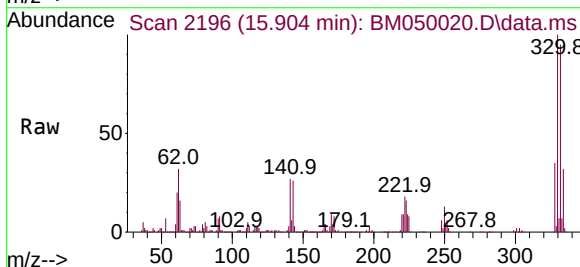
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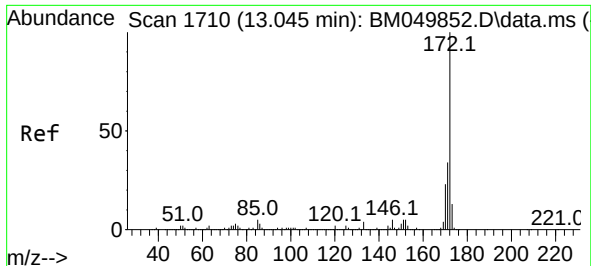
Tgt Ion:164 Resp: 677035
Ion Ratio Lower Upper
164 100
162 100.1 79.4 119.0
160 45.3 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 74.644 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM050020.D
Acq: 23 Apr 2025 19:11

Tgt Ion:330 Resp: 735077
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 28.5 23.5 35.3

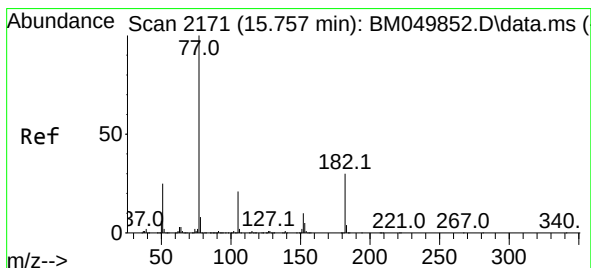
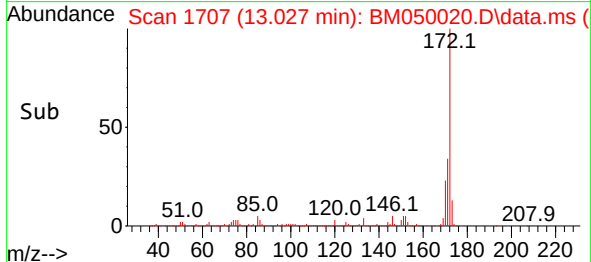
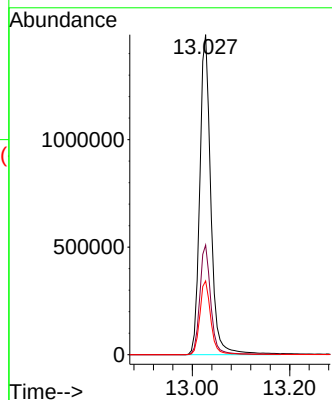
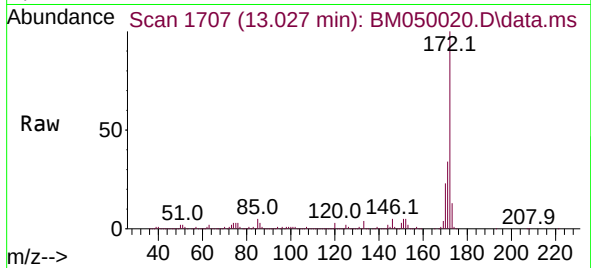




#45
2-Fluorobiphenyl
Concen: 47.112 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050020.D
Acq: 23 Apr 2025 19:11

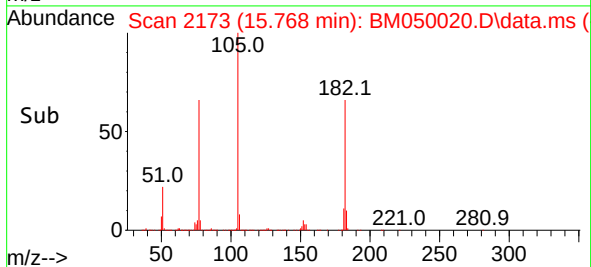
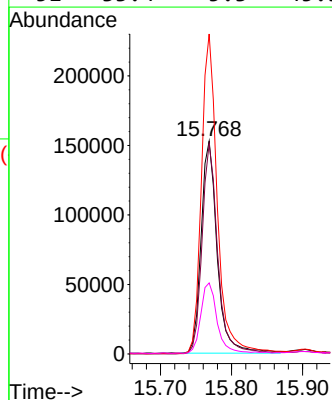
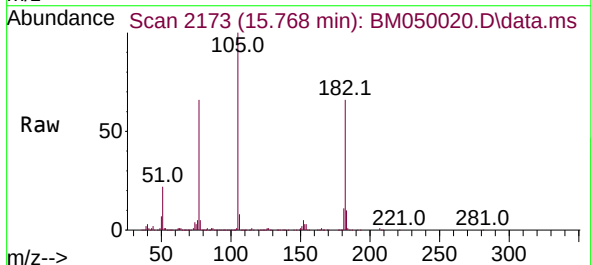
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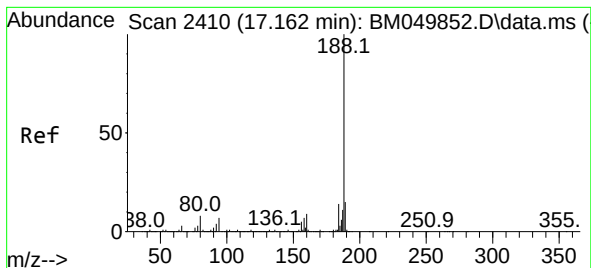
Tgt Ion:172 Resp: 2352235
Ion Ratio Lower Upper
172 100
171 34.2 27.4 41.2
170 23.0 18.6 28.0



#63
Azobenzene
Concen: 6.153 ng
RT: 15.768 min Scan# 2173
Delta R.T. 0.012 min
Lab File: BM050020.D
Acq: 23 Apr 2025 19:11

Tgt Ion: 77 Resp: 241306
Ion Ratio Lower Upper
77 100
182 98.8 10.4 50.4#
105 150.4 1.5 41.5#
51 33.4 5.3 45.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM050020.D

Acq: 23 Apr 2025 19:11

Instrument :

BNA_M

ClientSampleId :

COMP-1

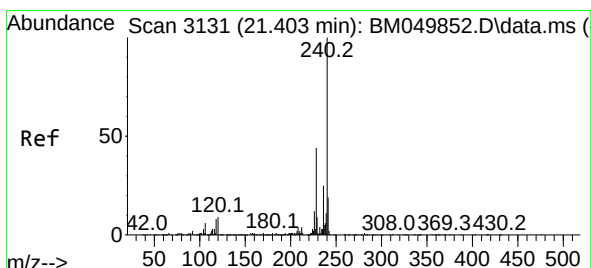
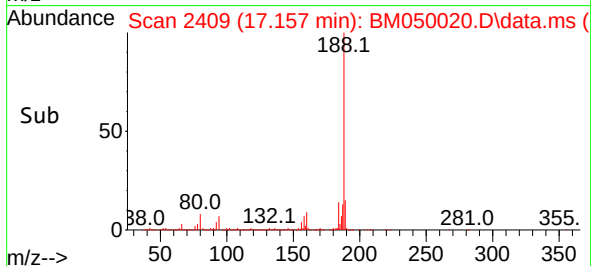
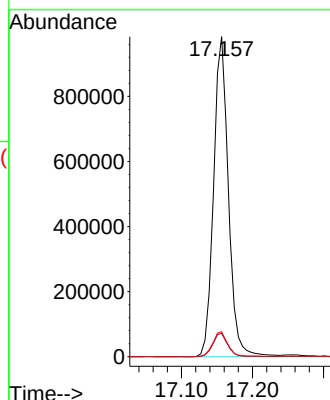
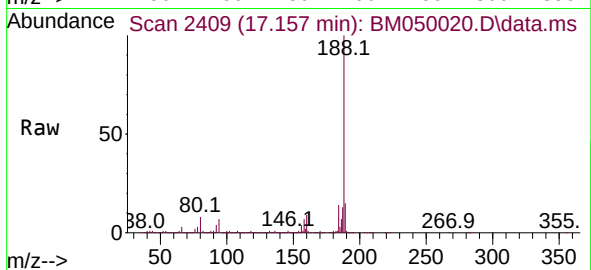
Tgt Ion:188 Resp: 1421818

Ion Ratio Lower Upper

188 100

94 7.2 5.8 8.6

80 7.8 6.4 9.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.397 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BM050020.D

Acq: 23 Apr 2025 19:11

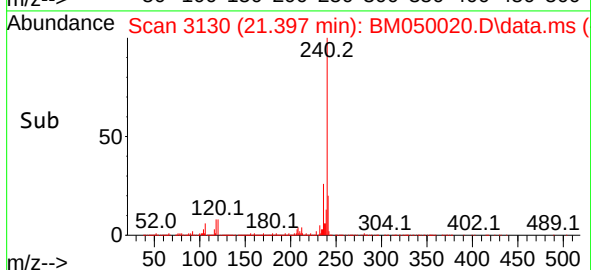
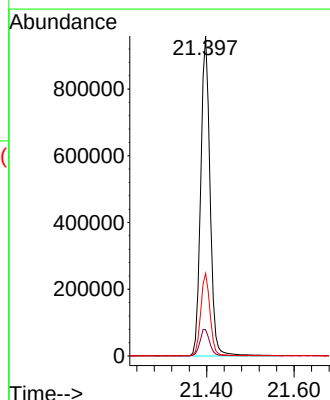
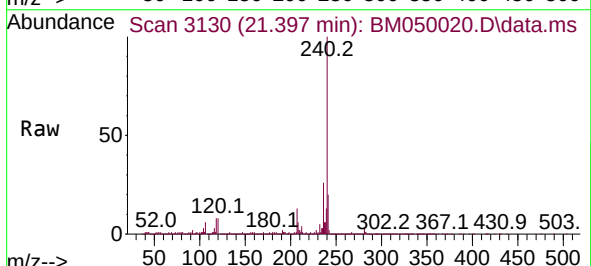
Tgt Ion:240 Resp: 1426892

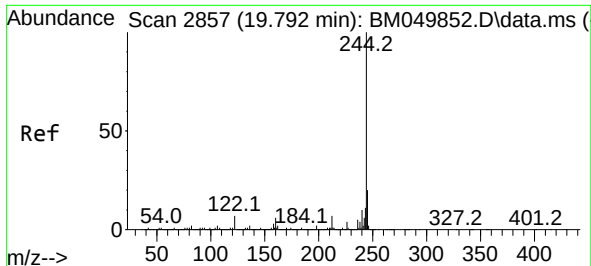
Ion Ratio Lower Upper

240 100

120 8.2 6.9 10.3

236 25.8 20.4 30.6

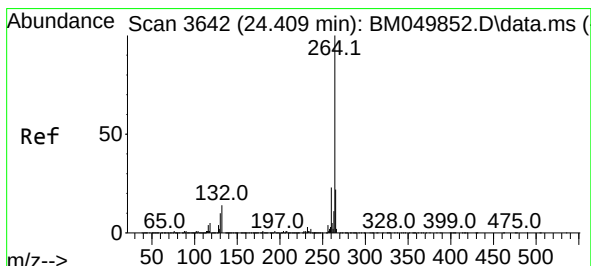
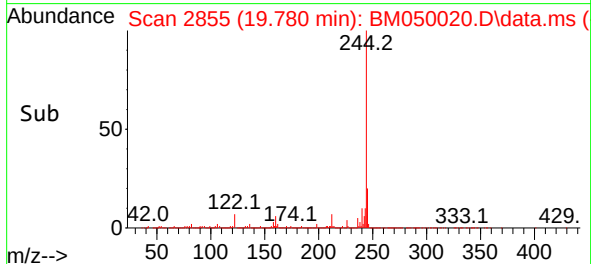
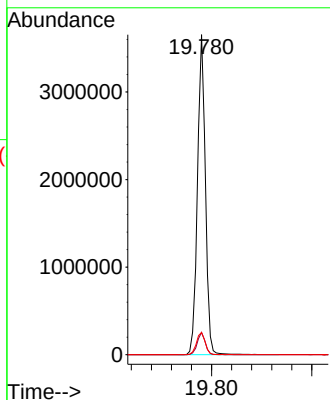
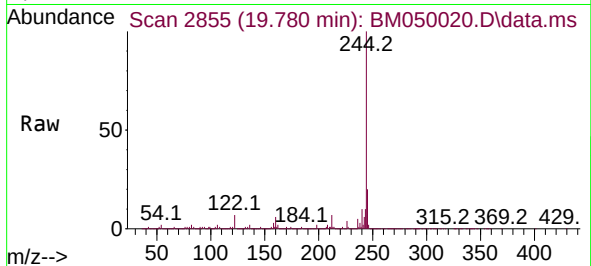




#79
 Terphenyl-d14
 Concen: 52.506 ng
 RT: 19.780 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050020.D
 Acq: 23 Apr 2025 19:11

Instrument :
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 COMP-1

Tgt Ion:244 Resp: 3997791
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 6.9 5.4 8.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.397 min Scan# 3640
 Delta R.T. -0.012 min
 Lab File: BM050020.D
 Acq: 23 Apr 2025 19:11

Tgt Ion:264 Resp: 1475476
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 28.0
 265 21.3 17.8 26.8

