

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050116.D
 Acq On : 06 May 2025 12:44
 Operator : RC/JU
 Sample : Q1938-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOWER-WALL-PILE-D

Quant Time: May 06 13:30:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

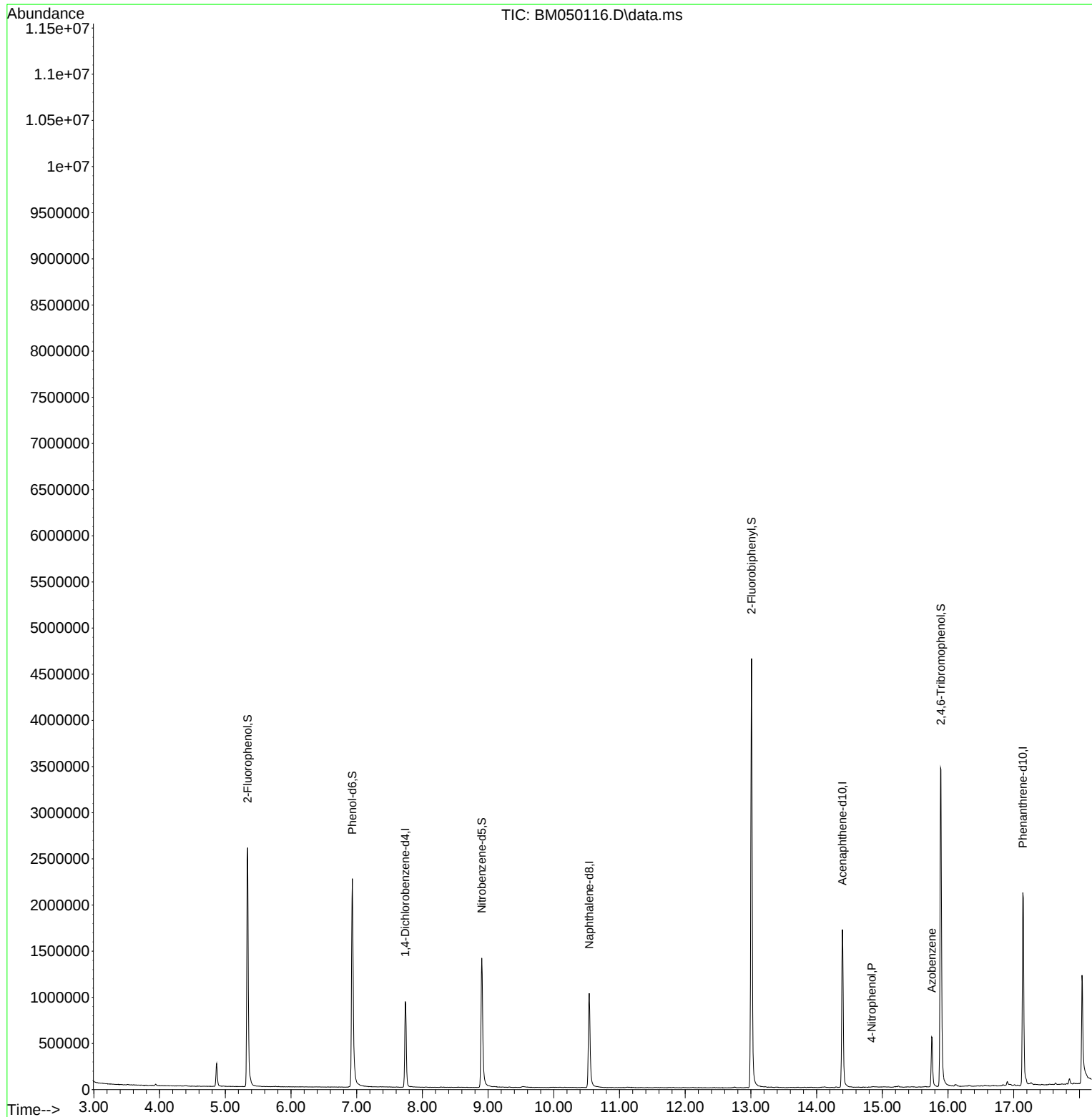
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.739	152	280773	20.000	ng	-0.03
21) Naphthalene-d8	10.539	136	1030516	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	696578	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1376380	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1301506	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1342832	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1289094	80.396	ng	-0.02
7) Phenol-d6	6.934	99	1629557	80.859	ng	-0.02
23) Nitrobenzene-d5	8.904	82	975651	46.653	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	828289	80.418	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2718769	46.172	ng	-0.02
79) Terphenyl-d14	19.768	244	4643550	52.795	ng	-0.01
Target Compounds						
56) 4-Nitrophenol	14.839	139	171	4.553	ng	Qvalue 89
63) Azobenzene	15.751	77	166751	4.148	ng	# 1

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

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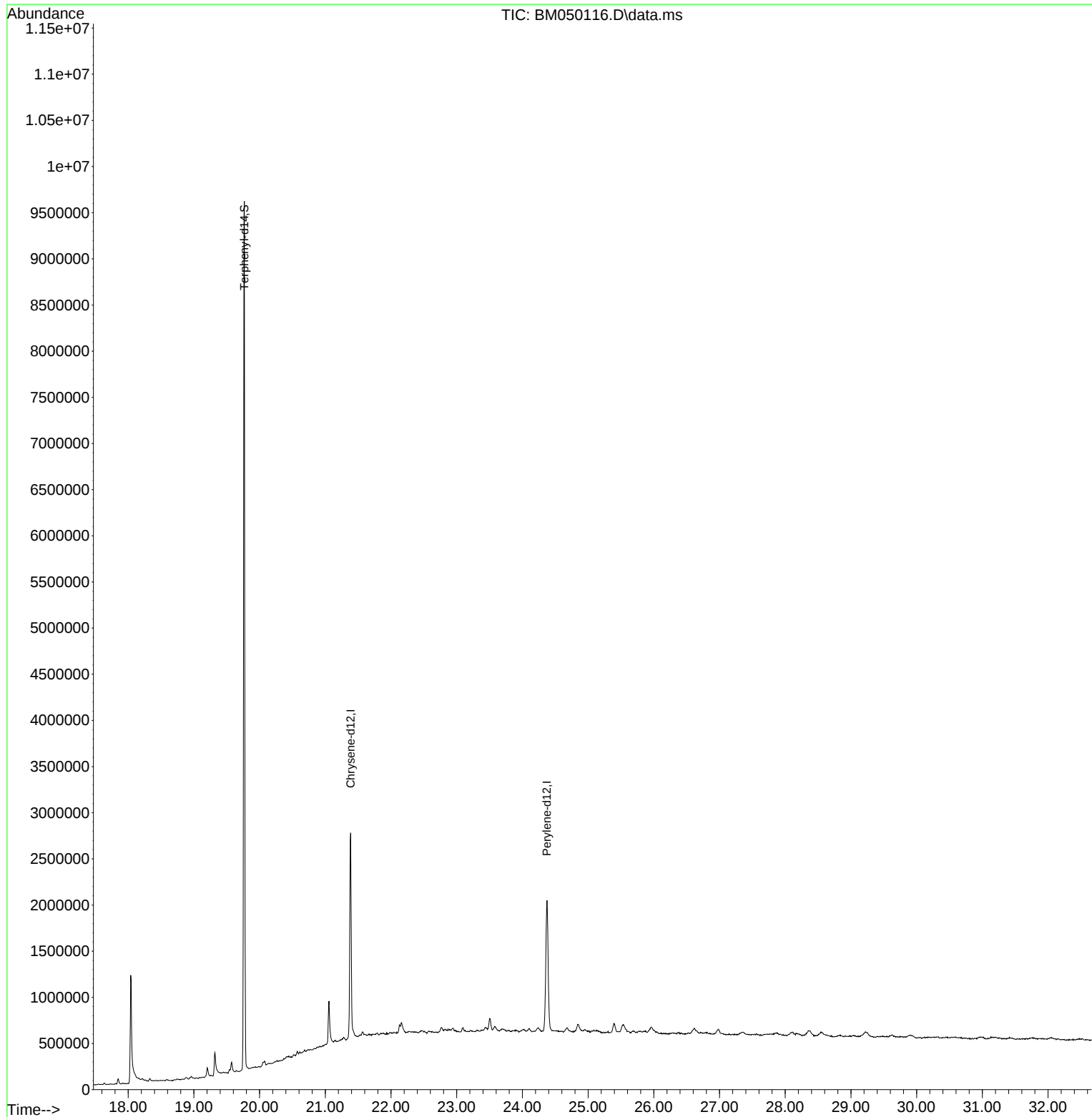
Quant Time: May 06 13:30:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
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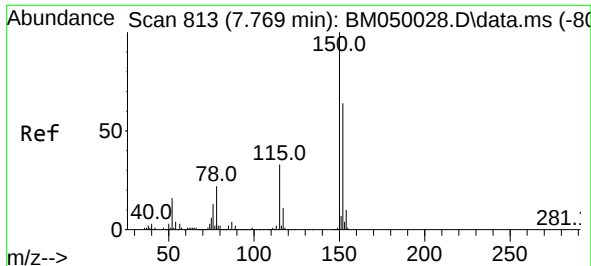


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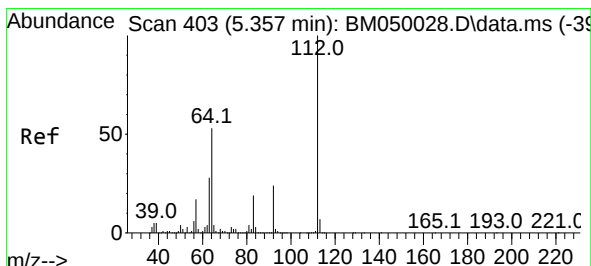
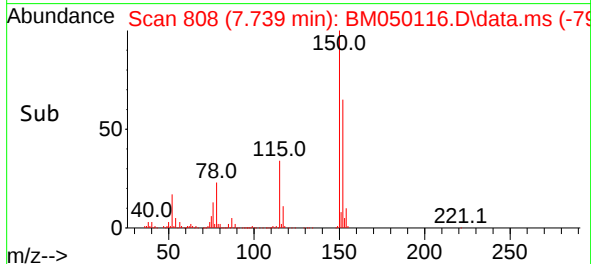
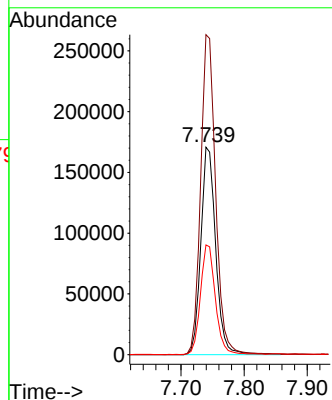
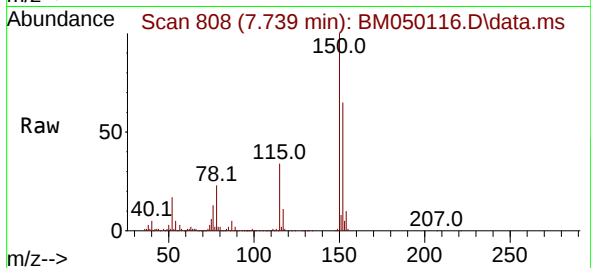




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.739 min Scan# 808
Delta R.T. -0.030 min
Lab File: BM050116.D
Acq: 06 May 2025 12:44

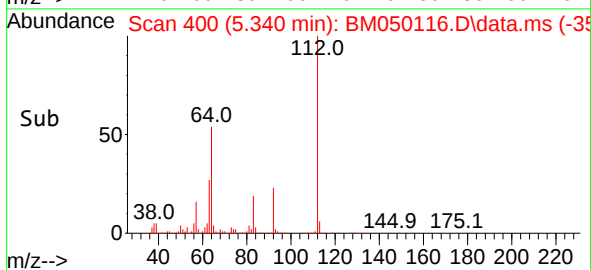
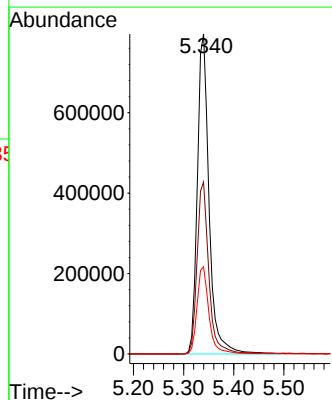
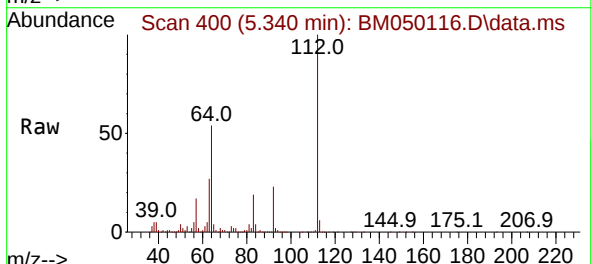
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-D

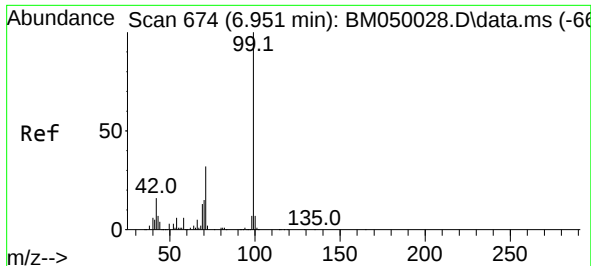
Tgt Ion:152 Resp: 280773
Ion Ratio Lower Upper
152 100
150 154.2 124.1 186.1
115 52.9 41.2 61.8



#5
2-Fluorophenol
Concen: 80.396 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050116.D
Acq: 06 May 2025 12:44

Tgt Ion:112 Resp: 1289094
Ion Ratio Lower Upper
112 100
64 53.8 42.6 64.0
63 27.3 22.2 33.4

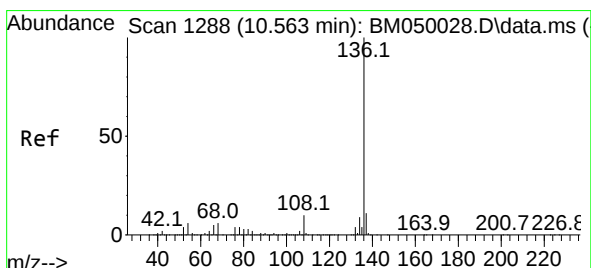
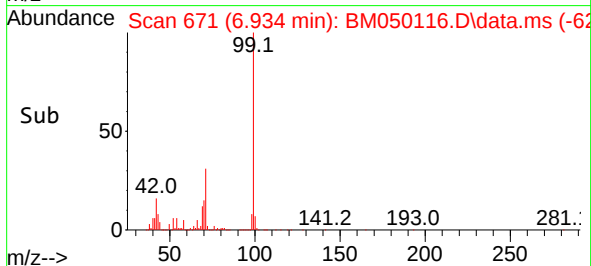
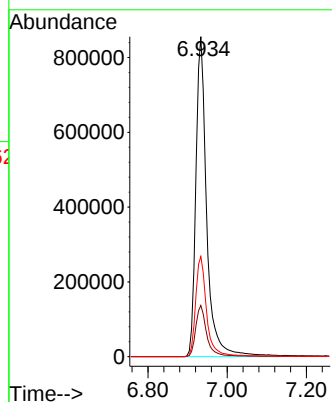
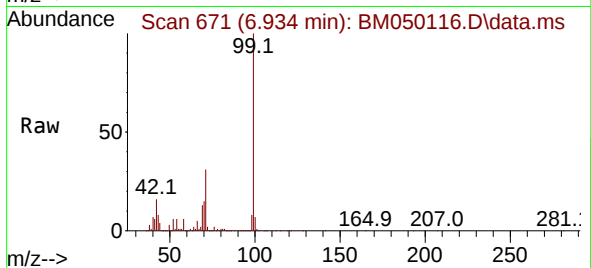




#7
Phenol-d6
Concen: 80.859 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050116.D
Acq: 06 May 2025 12:44

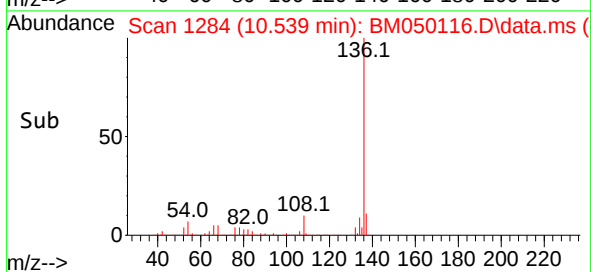
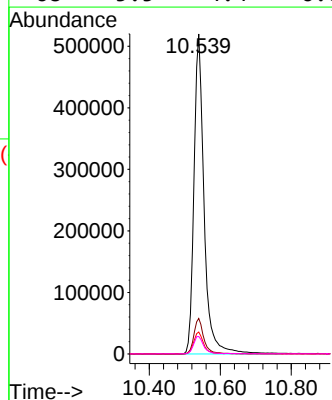
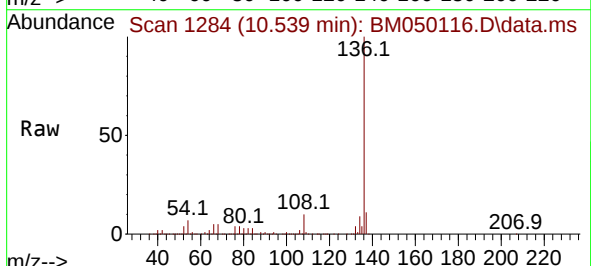
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-D

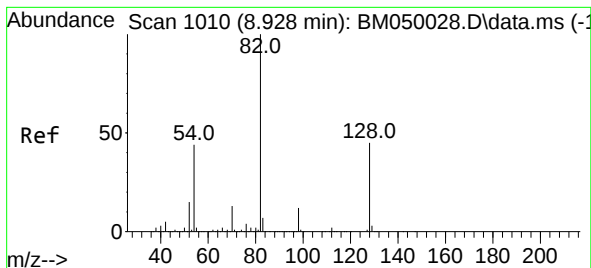
Tgt Ion: 99 Resp: 1629557
Ion Ratio Lower Upper
99 100
42 16.0 13.0 19.4
71 31.3 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050116.D
Acq: 06 May 2025 12:44

Tgt Ion: 136 Resp: 1030516
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.9 5.1 7.7
68 5.5 4.4 6.6





#23

Nitrobenzene-d5

Concen: 46.653 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.024 min

Lab File: BM050116.D

Acq: 06 May 2025 12:44

Instrument :

BNA_M

ClientSampleId :

LOWER-WALL-PILE-D

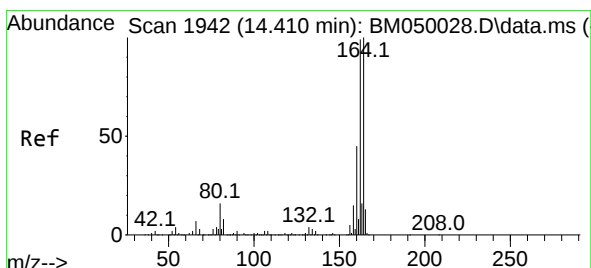
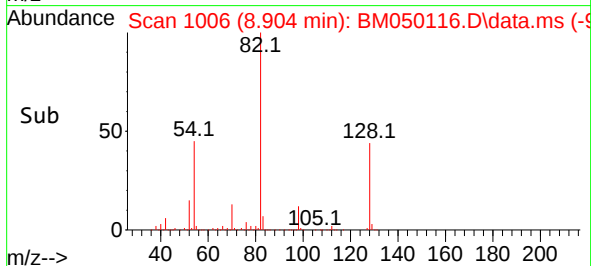
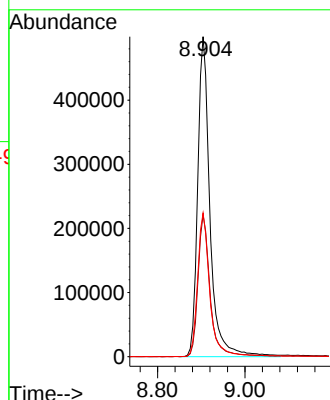
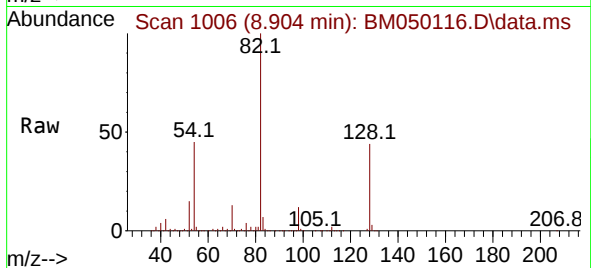
Tgt Ion: 82 Resp: 975651

Ion Ratio Lower Upper

82 100

128 44.4 35.7 53.5

54 44.9 35.4 53.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.392 min Scan# 1939

Delta R.T. -0.018 min

Lab File: BM050116.D

Acq: 06 May 2025 12:44

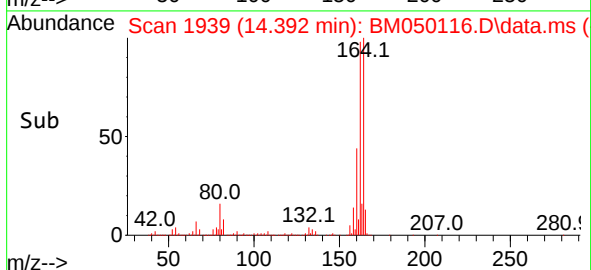
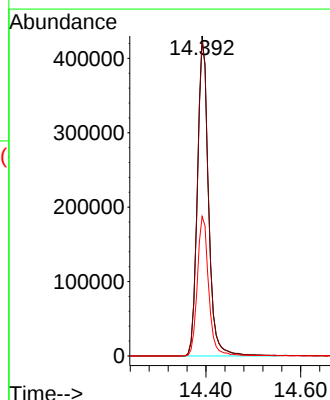
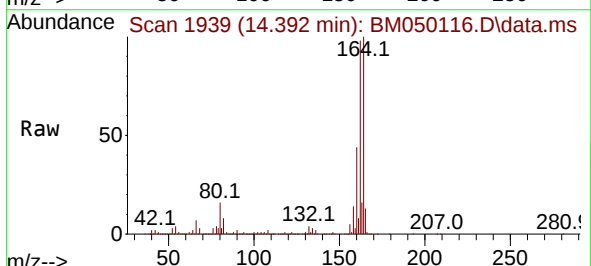
Tgt Ion:164 Resp: 696578

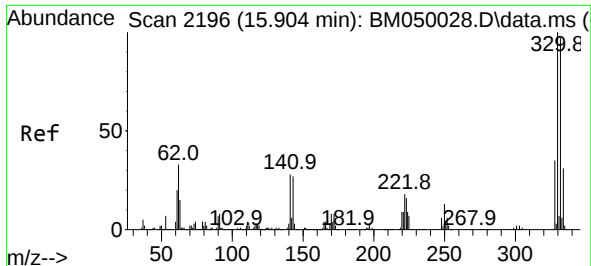
Ion Ratio Lower Upper

164 100

162 98.1 79.4 119.0

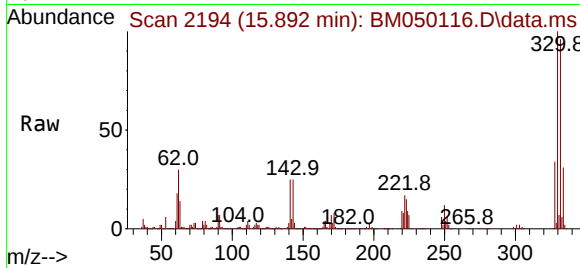
160 43.6 36.2 54.4



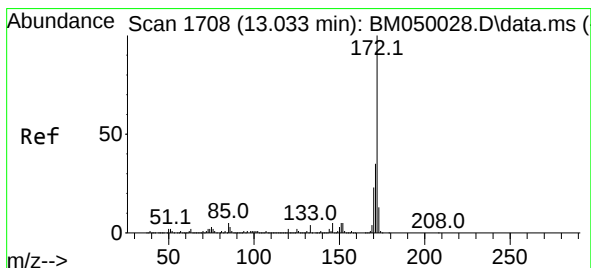
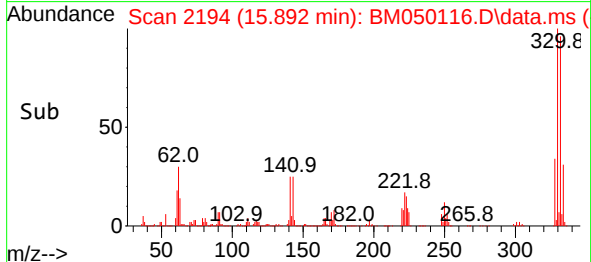
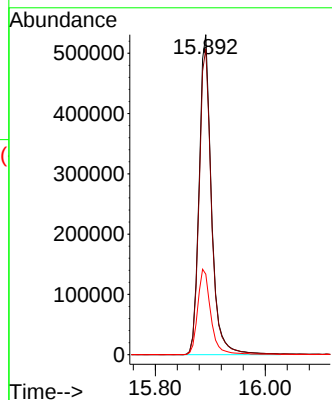


#42
2,4,6-Tribromophenol
Concen: 80.418 ng
RT: 15.892 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM050116.D
Acq: 06 May 2025 12:44

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-D

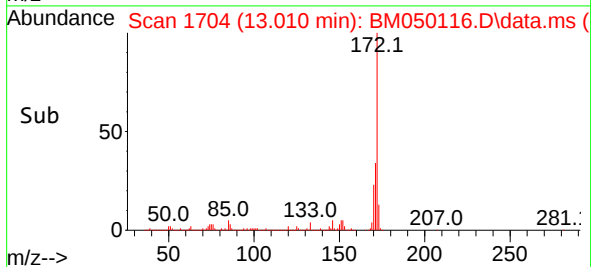
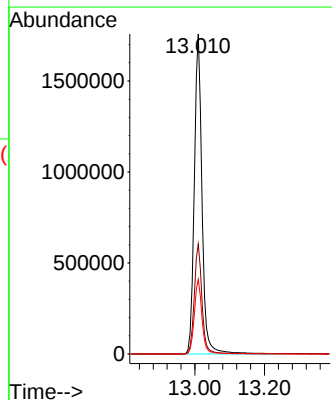
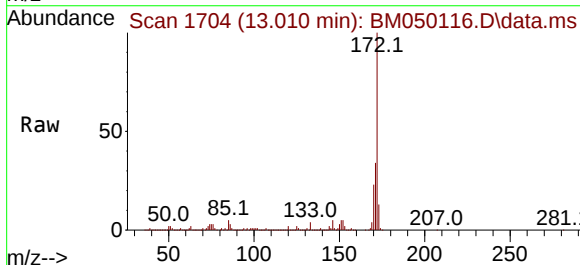


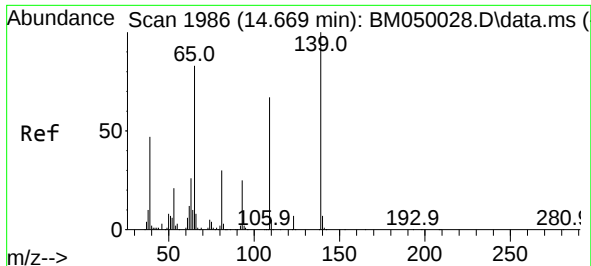
Tgt Ion:330 Resp: 828289
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 28.5 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 46.172 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050116.D
Acq: 06 May 2025 12:44

Tgt Ion:172 Resp: 2718769
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.6
170 23.3 18.6 28.0

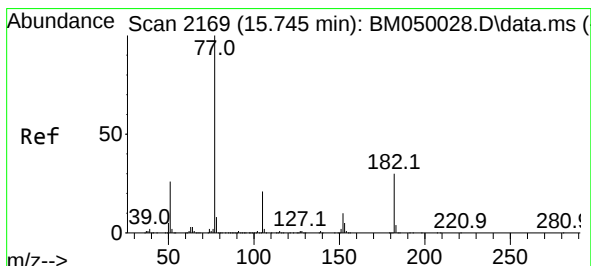
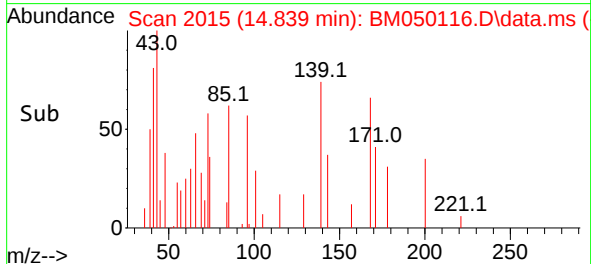
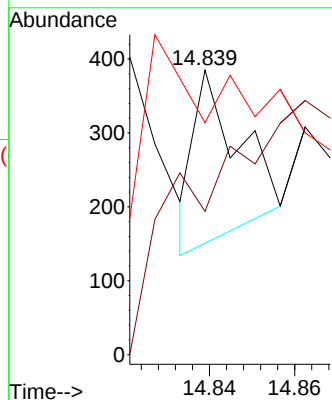
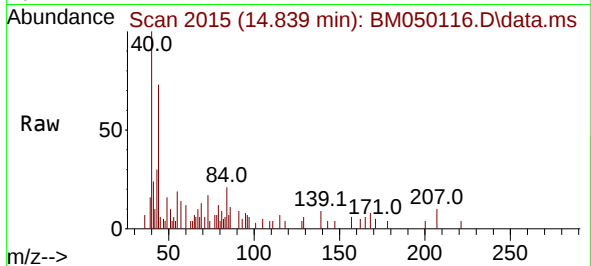




#56
4-Nitrophenol
Concen: 4.553 ng
RT: 14.839 min Scan# 20
Delta R.T. 0.170 min
Lab File: BM050116.D
Acq: 06 May 2025 12:44

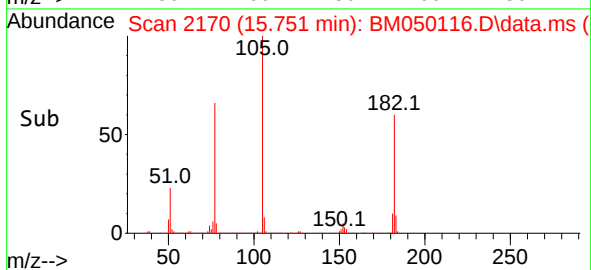
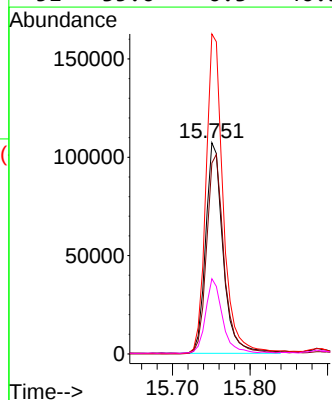
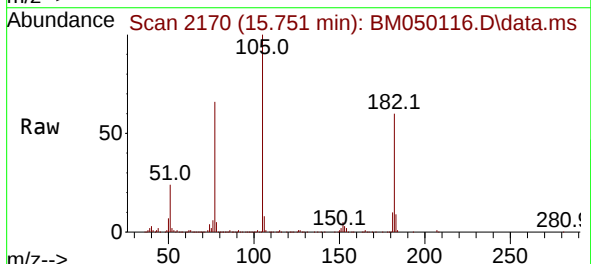
Instrument :
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LOWER-WALL-PILE-D

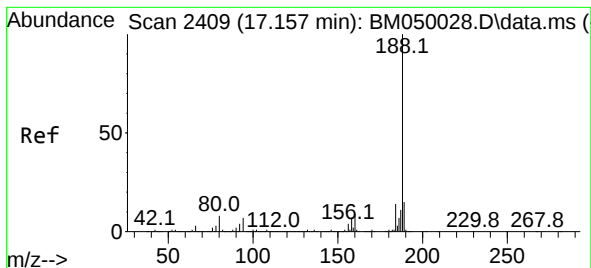
Tgt Ion:139 Resp: 171
Ion Ratio Lower Upper
139 100
109 50.4 47.0 87.0
65 81.6 64.3 104.3



#63
Azobenzene
Concen: 4.148 ng
RT: 15.751 min Scan# 2170
Delta R.T. 0.006 min
Lab File: BM050116.D
Acq: 06 May 2025 12:44

Tgt Ion: 77 Resp: 166751
Ion Ratio Lower Upper
77 100
182 90.3 10.5 50.5#
105 151.5 1.1 41.1#
51 35.6 6.3 46.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.139 min Scan# 2409

Delta R.T. -0.018 min

Lab File: BM050116.D

Acq: 06 May 2025 12:44

Instrument :

BNA_M

ClientSampleId :

LOWER-WALL-PILE-D

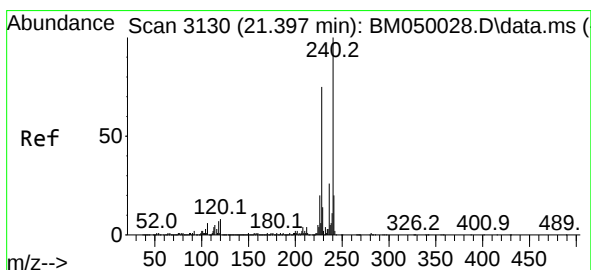
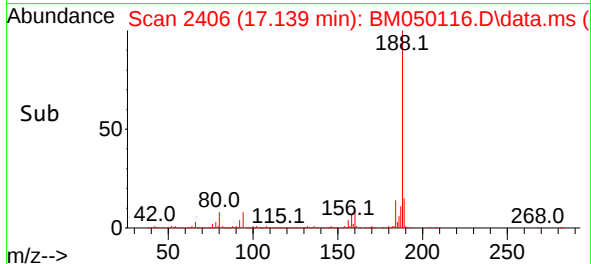
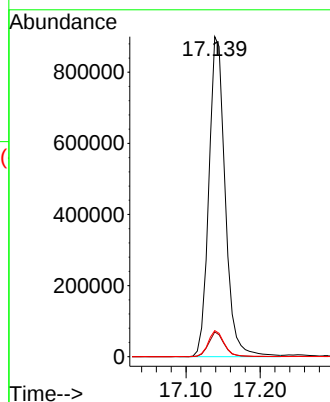
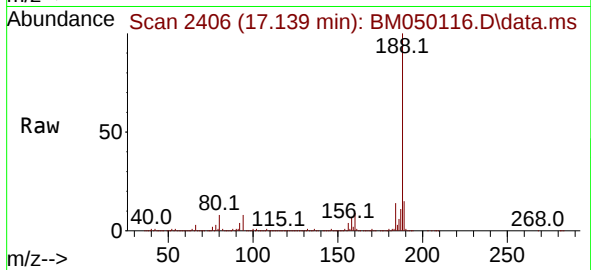
Tgt Ion:188 Resp: 1376380

Ion Ratio Lower Upper

188 100

94 7.7 5.7 8.5

80 8.2 6.2 9.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 3128

Delta R.T. -0.011 min

Lab File: BM050116.D

Acq: 06 May 2025 12:44

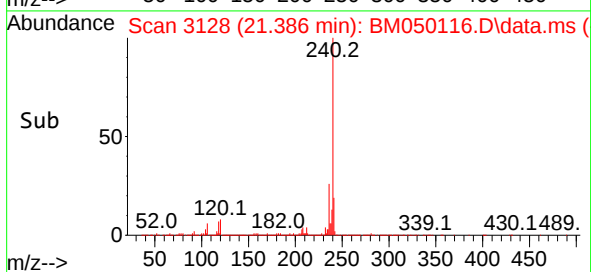
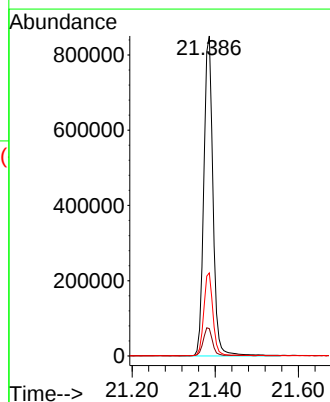
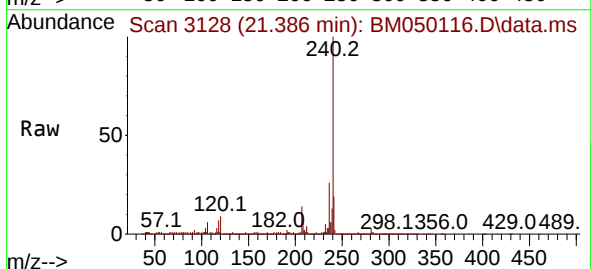
Tgt Ion:240 Resp: 1301506

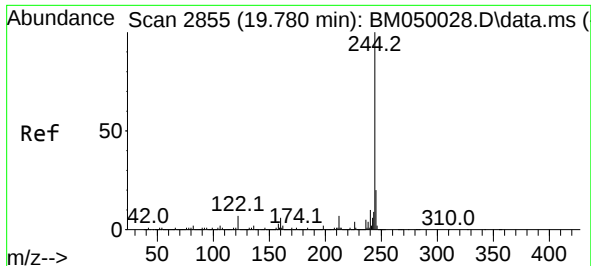
Ion Ratio Lower Upper

240 100

120 8.6 6.5 9.7

236 25.9 20.9 31.3

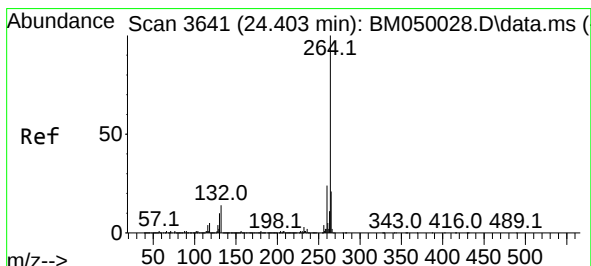
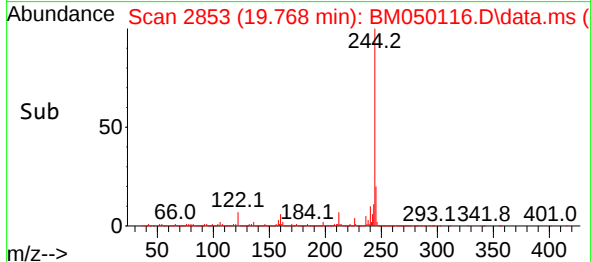
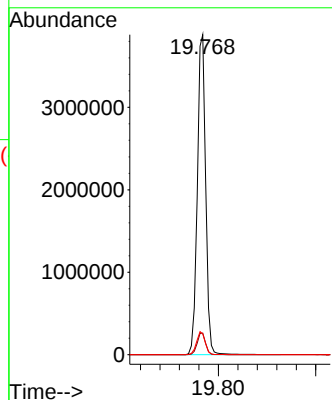
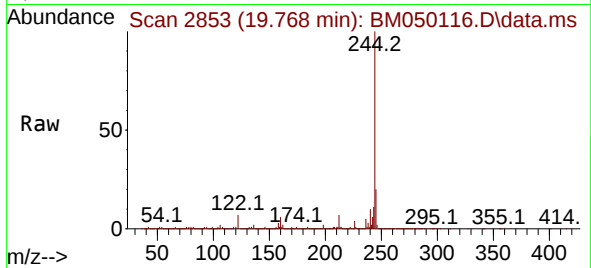




#79
 Terphenyl-d14
 Concen: 52.795 ng
 RT: 19.768 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050116.D
 Acq: 06 May 2025 12:44

Instrument :
 BNA_M
 ClientSampleId :
 LOWER-WALL-PILE-D

Tgt Ion:244 Resp: 4643550
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 6.5 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.374 min Scan# 3636
 Delta R.T. -0.030 min
 Lab File: BM050116.D
 Acq: 06 May 2025 12:44

Tgt Ion:264 Resp: 1342832
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.8 28.2
 265 21.7 17.0 25.4

