

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050115.D
 Acq On : 06 May 2025 12:04
 Operator : RC/JU
 Sample : Q1938-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: May 06 13:04:42 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)

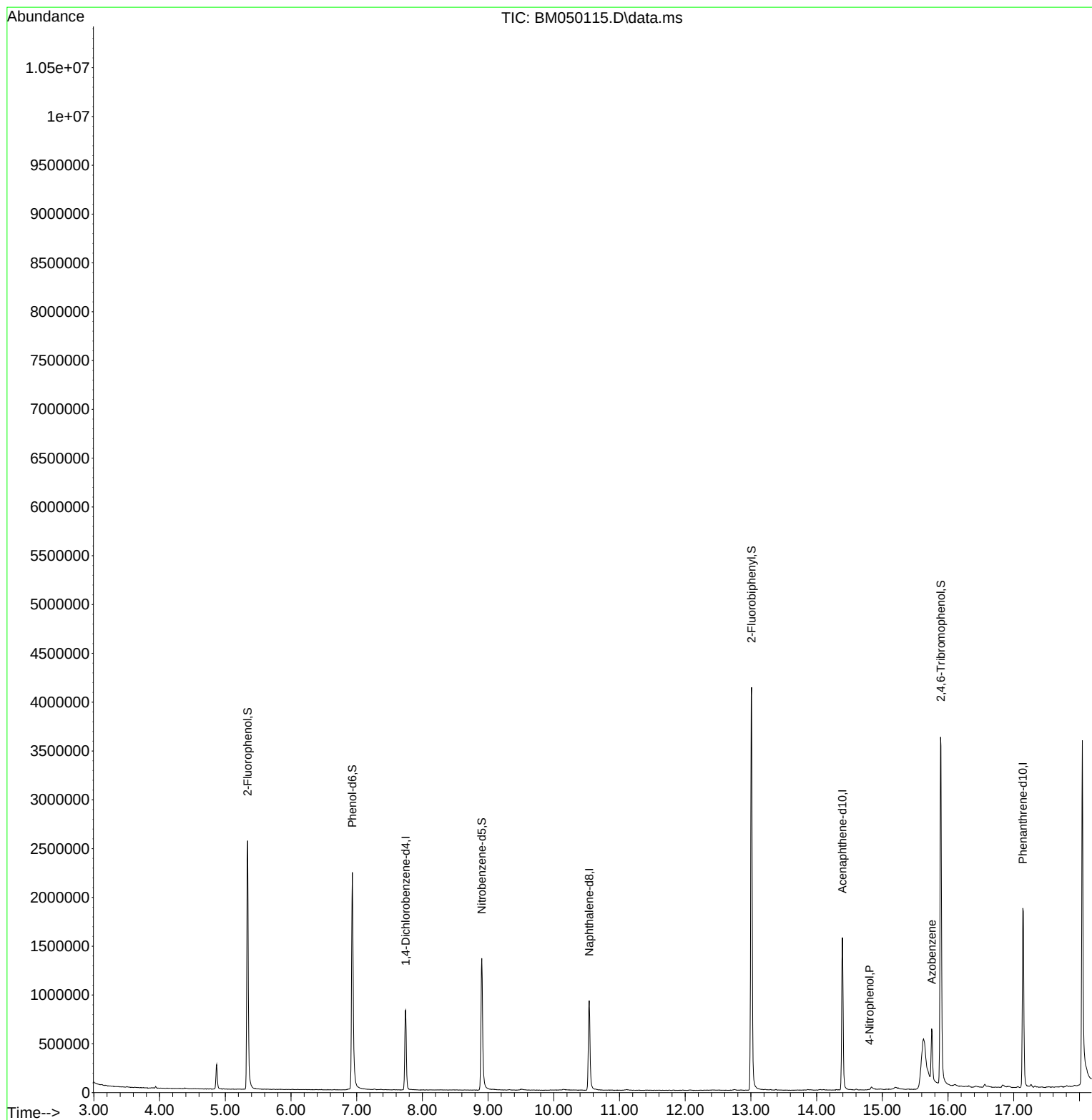
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	250338	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	884780	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	598993	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1239129	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1188362	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1223159	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1240963	86.803	ng	-0.02
7) Phenol-d6	6.934	99	1537306	85.555	ng	-0.02
23) Nitrobenzene-d5	8.904	82	918020	51.128	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	825538	93.208	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2451108	48.408	ng	-0.02
79) Terphenyl-d14	19.768	244	4494073	55.960	ng	-0.01
Target Compounds						
56) 4-Nitrophenol	14.804	139	1614	4.750	ng	Qvalue 88
63) Azobenzene	15.751	77	160456	4.642	ng	# 1

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

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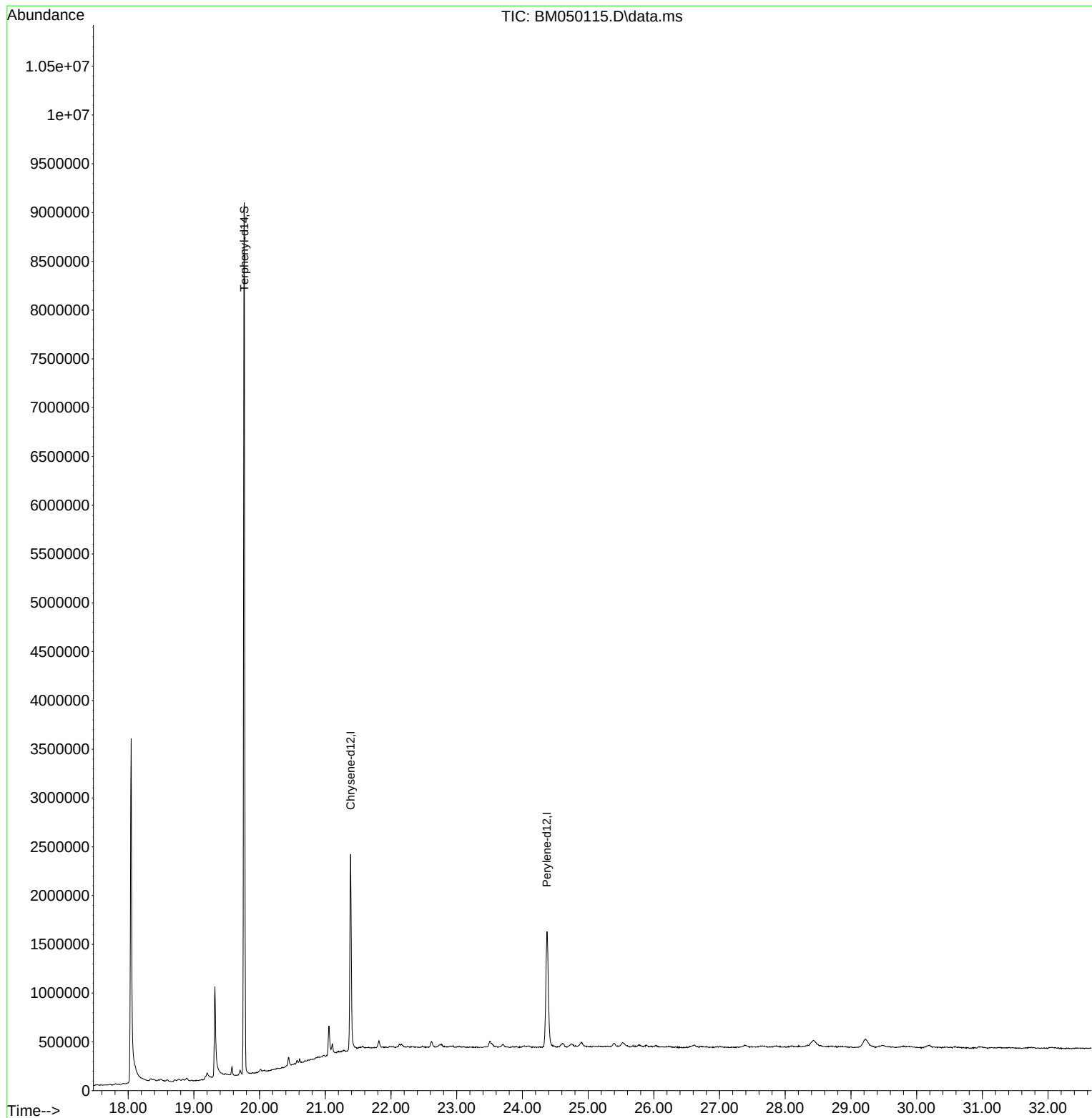
Quant Time: May 06 13:04:42 2025
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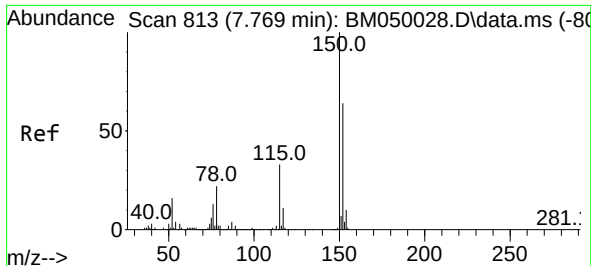


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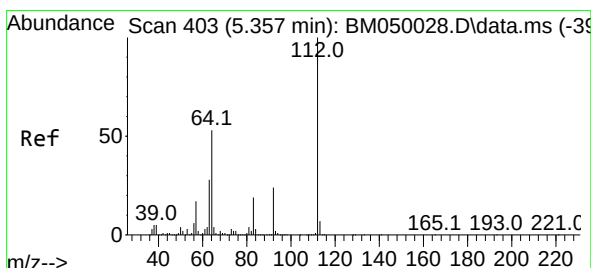
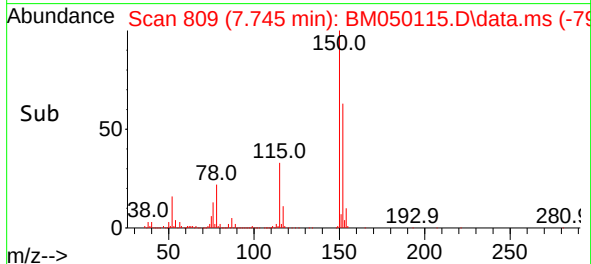
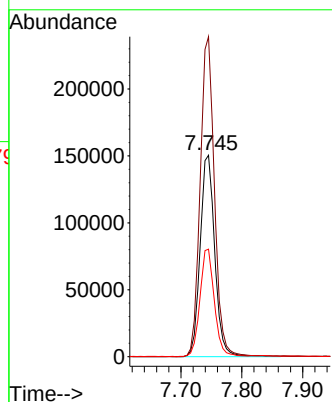
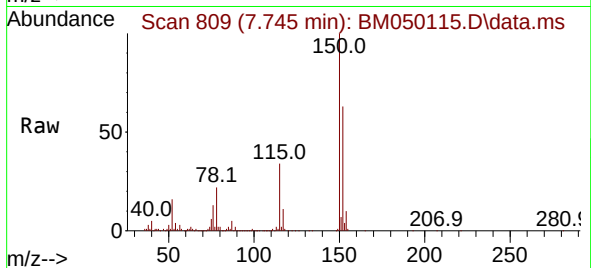




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050115.D
Acq: 06 May 2025 12:04

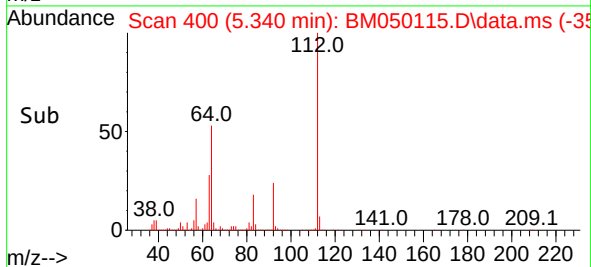
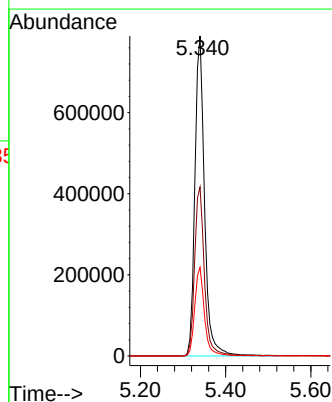
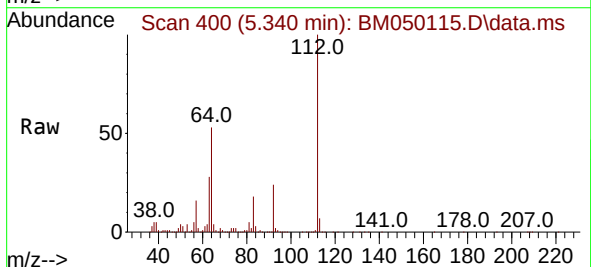
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-C

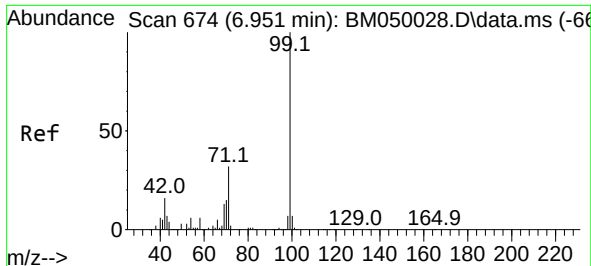
Tgt Ion:152 Resp: 250338
Ion Ratio Lower Upper
152 100
150 158.9 124.1 186.1
115 53.4 41.2 61.8



#5
2-Fluorophenol
Concen: 86.803 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050115.D
Acq: 06 May 2025 12:04

Tgt Ion:112 Resp: 1240963
Ion Ratio Lower Upper
112 100
64 52.7 42.6 64.0
63 27.7 22.2 33.4

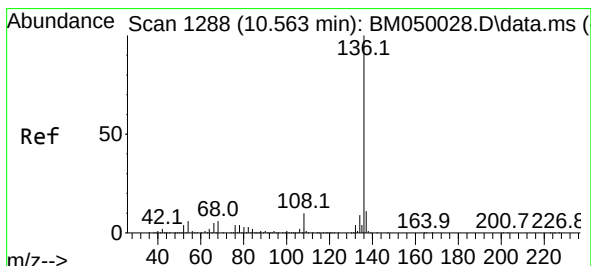
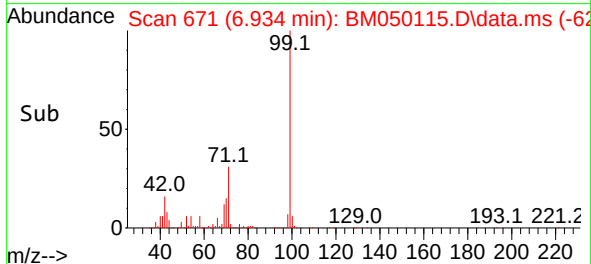
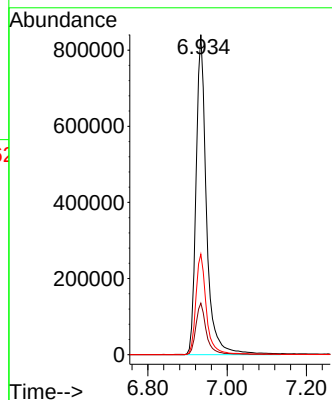
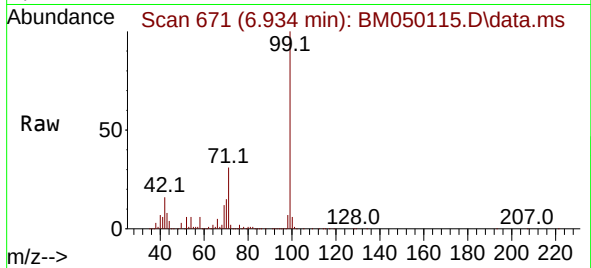




#7
Phenol-d6
Concen: 85.555 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050115.D
Acq: 06 May 2025 12:04

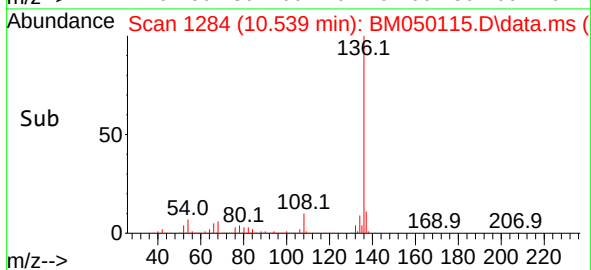
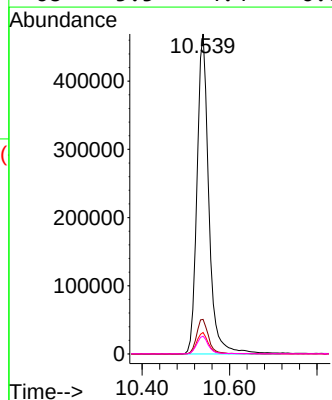
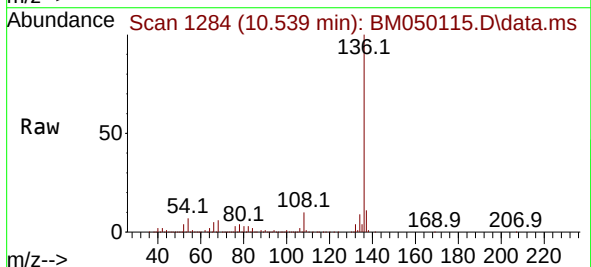
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-C

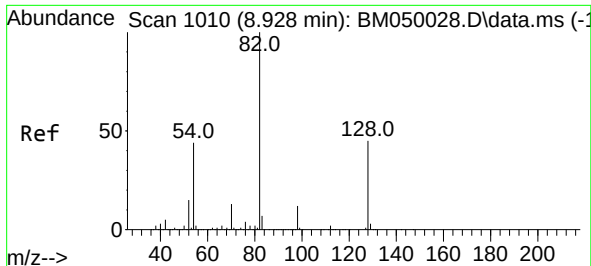
Tgt Ion: 99 Resp: 1537306
Ion Ratio Lower Upper
99 100
42 16.1 13.0 19.4
71 31.4 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050115.D
Acq: 06 May 2025 12:04

Tgt Ion: 136 Resp: 884780
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.7 5.1 7.7
68 5.5 4.4 6.6

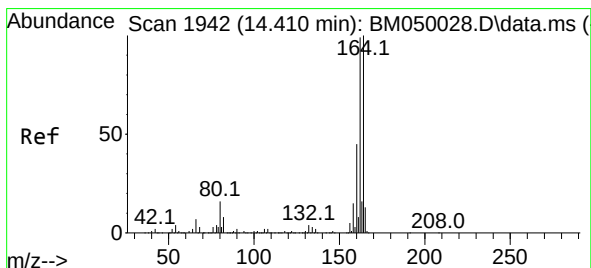
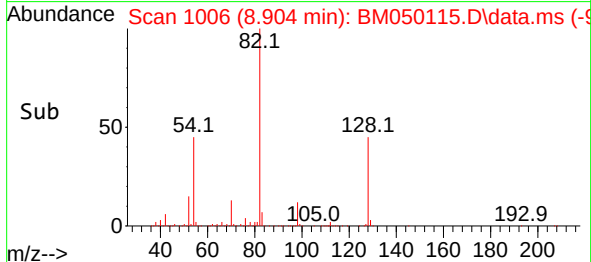
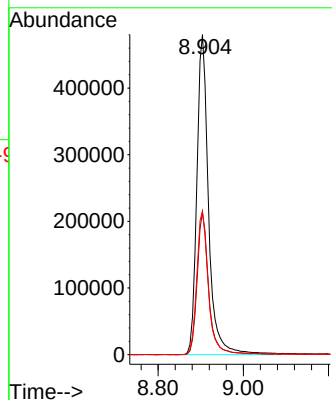
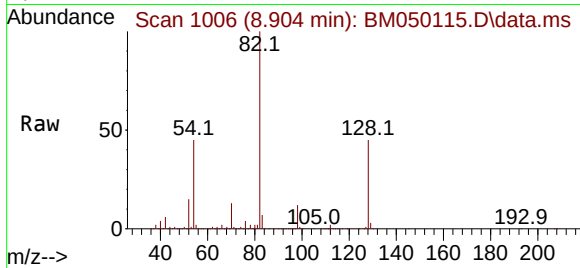




#23
Nitrobenzene-d5
Concen: 51.128 ng
RT: 8.904 min Scan# 1010
Delta R.T. -0.024 min
Lab File: BM050115.D
Acq: 06 May 2025 12:04

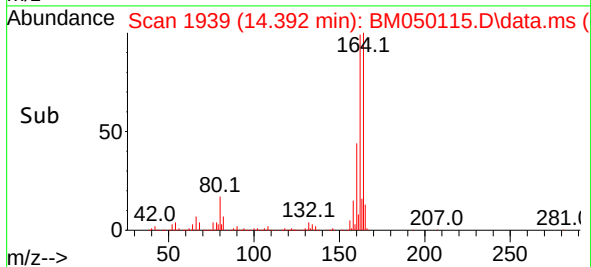
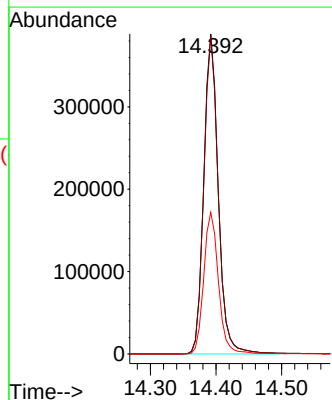
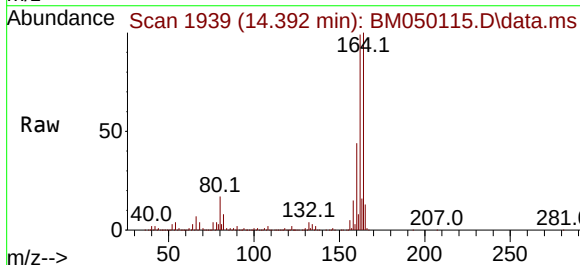
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BNA_M
ClientSampleId :
LOWER-WALL-PILE-C

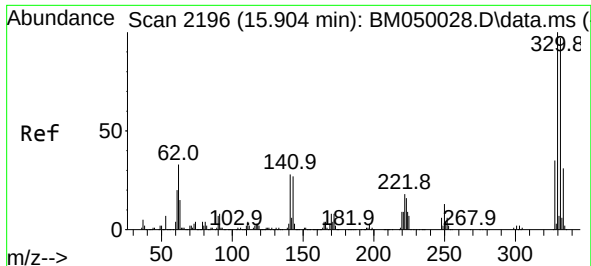
Tgt Ion: 82 Resp: 918020
Ion Ratio Lower Upper
82 100
128 44.5 35.7 53.5
54 44.9 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050115.D
Acq: 06 May 2025 12:04

Tgt Ion: 164 Resp: 598993
Ion Ratio Lower Upper
164 100
162 99.5 79.4 119.0
160 44.3 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 93.208 ng

RT: 15.892 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050115.D

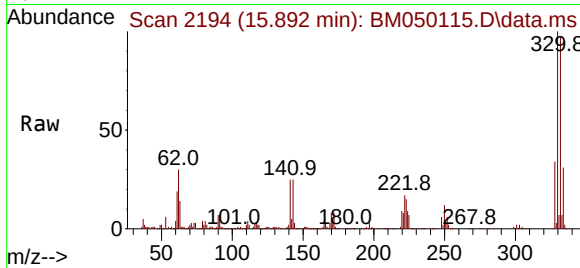
Acq: 06 May 2025 12:04

Instrument :

BNA_M

ClientSampleId :

LOWER-WALL-PILE-C



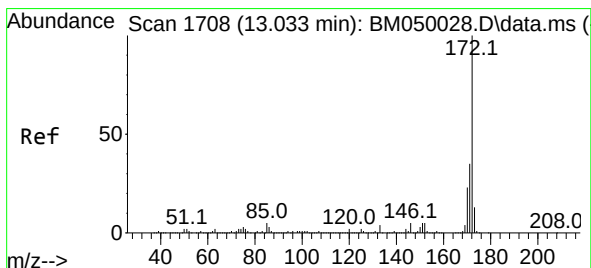
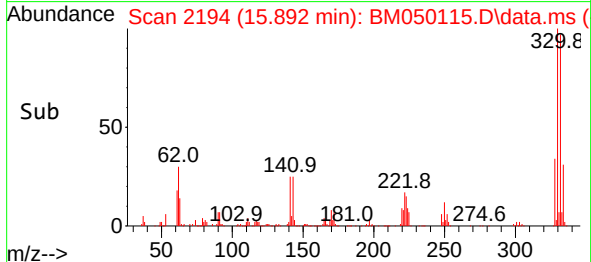
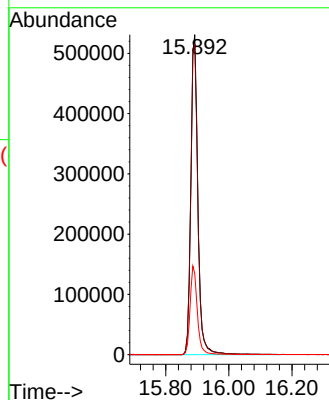
Tgt Ion:330 Resp: 825538

Ion Ratio Lower Upper

330 100

332 96.7 77.3 115.9

141 28.2 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 48.408 ng

RT: 13.010 min Scan# 1704

Delta R.T. -0.024 min

Lab File: BM050115.D

Acq: 06 May 2025 12:04

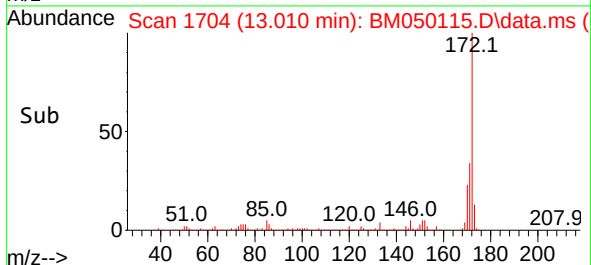
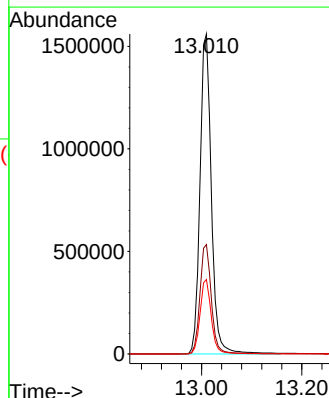
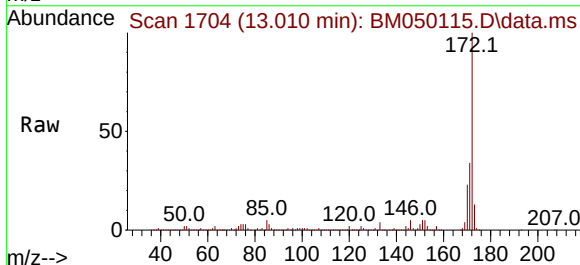
Tgt Ion:172 Resp: 2451108

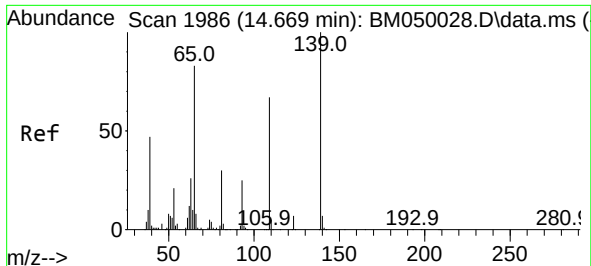
Ion Ratio Lower Upper

172 100

171 34.2 27.8 41.6

170 23.3 18.6 28.0

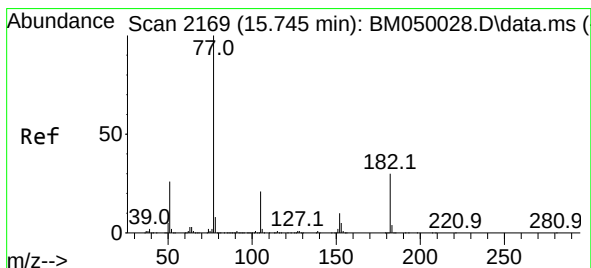
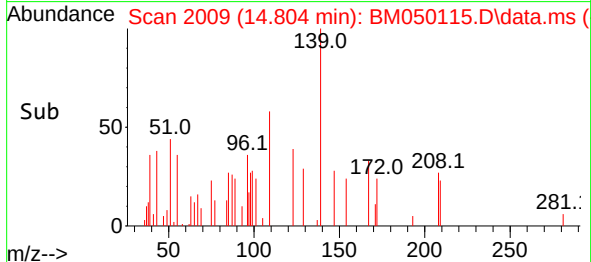
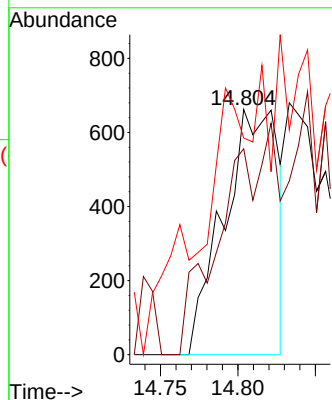
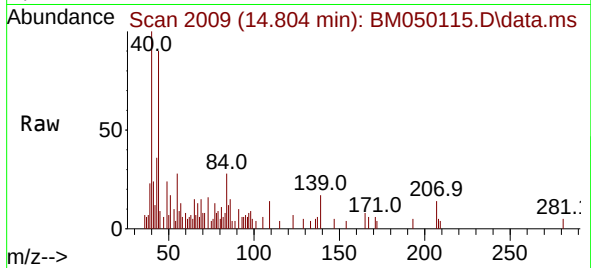




#56
4-Nitrophenol
Concen: 4.750 ng
RT: 14.804 min Scan# 20
Delta R.T. 0.135 min
Lab File: BM050115.D
Acq: 06 May 2025 12:04

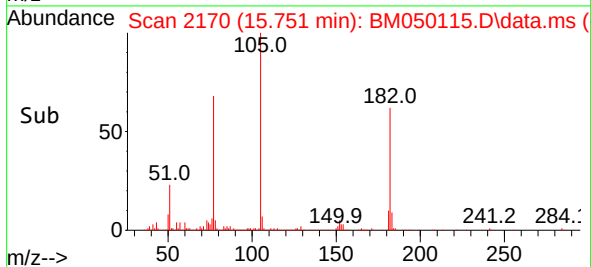
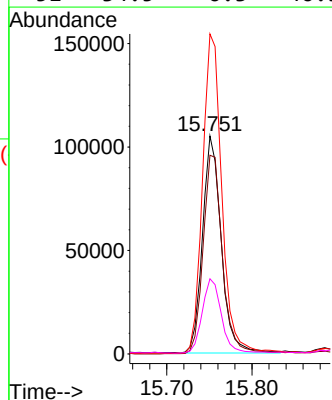
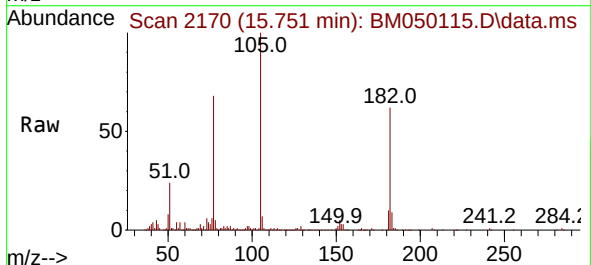
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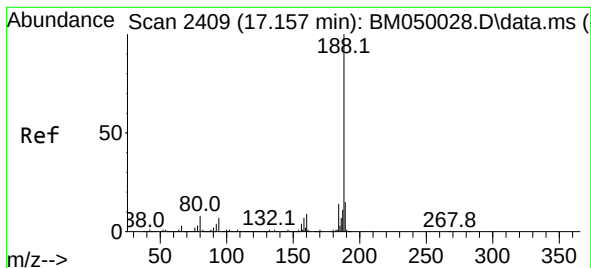
Tgt Ion:139 Resp: 1614
Ion Ratio Lower Upper
139 100
109 84.0 47.0 87.0
65 88.4 64.3 104.3



#63
Azobenzene
Concen: 4.642 ng
RT: 15.751 min Scan# 2170
Delta R.T. 0.006 min
Lab File: BM050115.D
Acq: 06 May 2025 12:04

Tgt Ion: 77 Resp: 160456
Ion Ratio Lower Upper
77 100
182 91.2 10.5 50.5#
105 146.9 1.1 41.1#
51 34.5 6.3 46.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.139 min Scan# 24

Delta R.T. -0.018 min

Lab File: BM050115.D

Acq: 06 May 2025 12:04

Instrument :

BNA_M

ClientSampleId :

LOWER-WALL-PILE-C

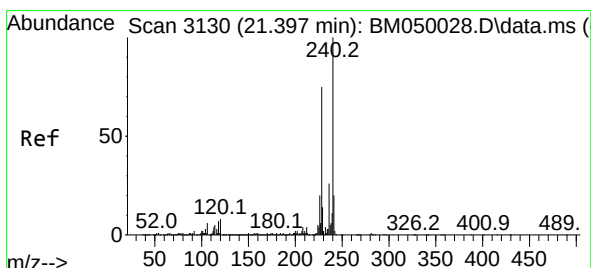
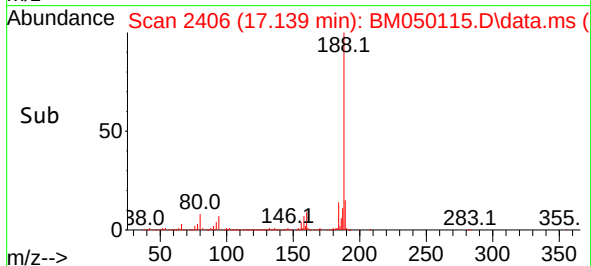
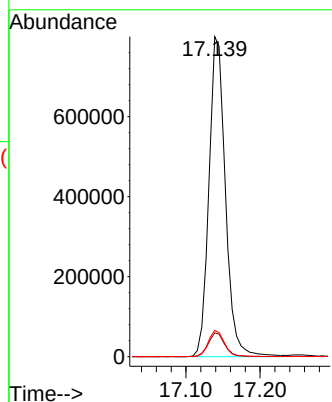
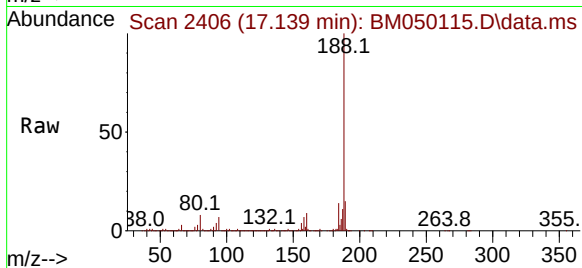
Tgt Ion:188 Resp: 1239129

Ion Ratio Lower Upper

188 100

94 7.5 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: BM050115.D

Acq: 06 May 2025 12:04

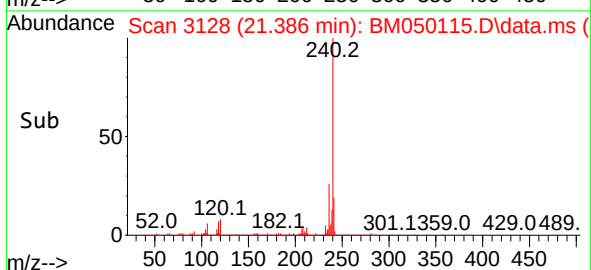
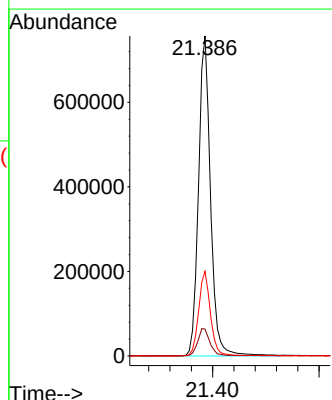
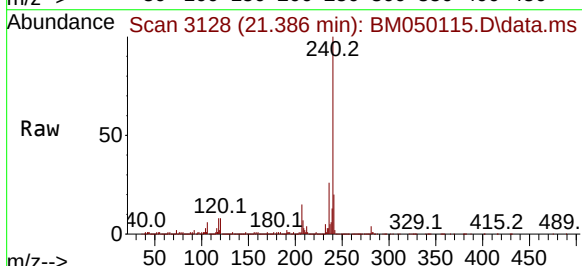
Tgt Ion:240 Resp: 1188362

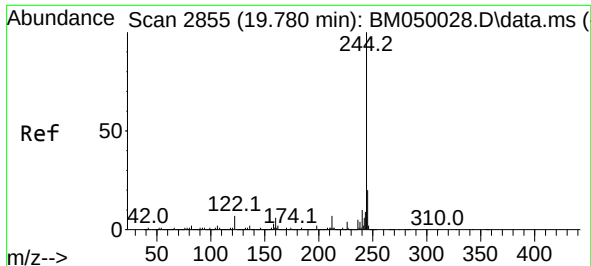
Ion Ratio Lower Upper

240 100

120 8.4 6.5 9.7

236 26.5 20.9 31.3

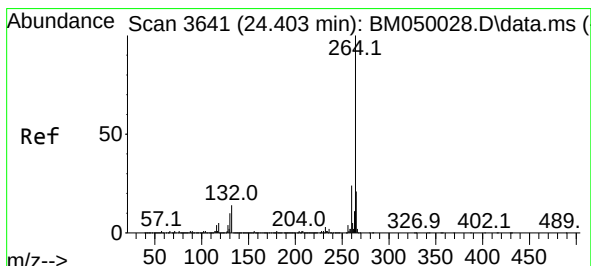
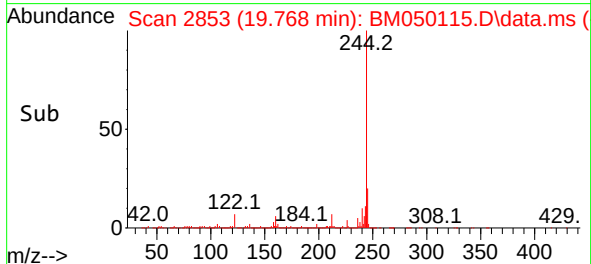
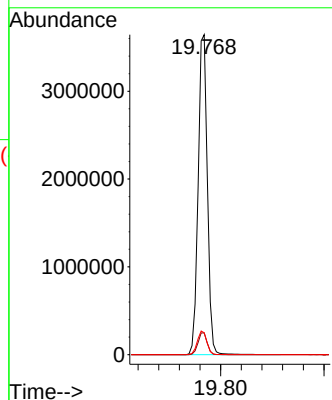
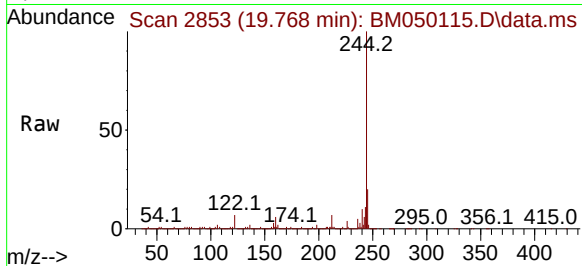




#79
 Terphenyl-d14
 Concen: 55.960 ng
 RT: 19.768 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050115.D
 Acq: 06 May 2025 12:04

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

Tgt Ion:244 Resp: 4494073
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 6.9 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.374 min Scan# 3636
 Delta R.T. -0.029 min
 Lab File: BM050115.D
 Acq: 06 May 2025 12:04

Tgt Ion:264 Resp: 1223159
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.8 28.2
 265 22.0 17.0 25.4

