

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050119.D
 Acq On : 06 May 2025 14:41
 Operator : RC/JU
 Sample : Q1937-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LARGE-PILE-E

Quant Time: May 06 15:20:40 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)

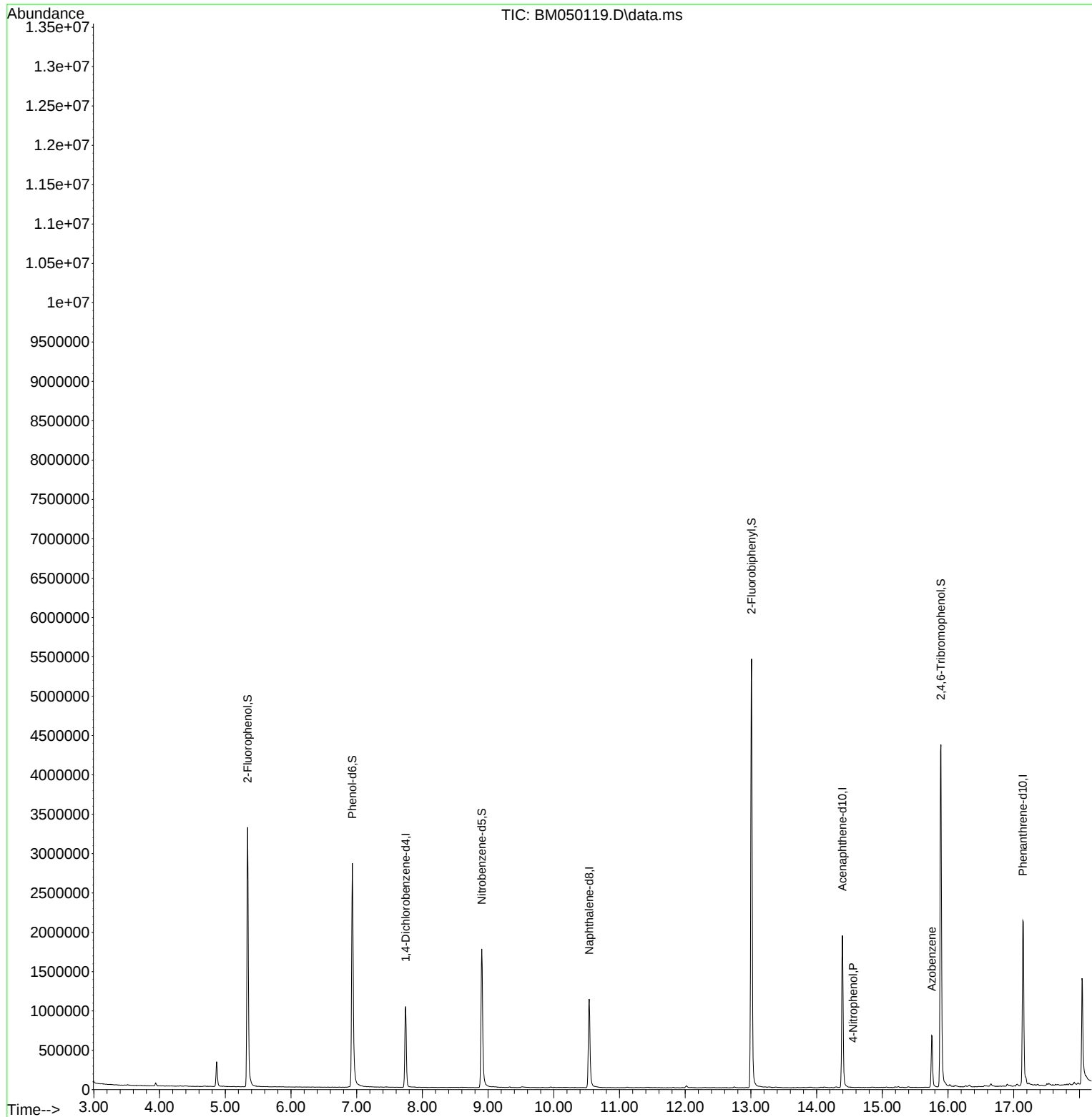
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	305398	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1098426	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	735430	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1445019	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1331447	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1358259	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1576364	90.385	ng	-0.02
7) Phenol-d6	6.934	99	1956475	89.253	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1181880	53.020	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	1023324	94.105	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	3226992	51.908	ng	-0.02
79) Terphenyl-d14	19.768	244	5314478	59.064	ng	-0.01
Target Compounds						
56) 4-Nitrophenol	14.557	139	55	4.540	ng	# 40
63) Azobenzene	15.751	77	199778	4.707	ng	# 1

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

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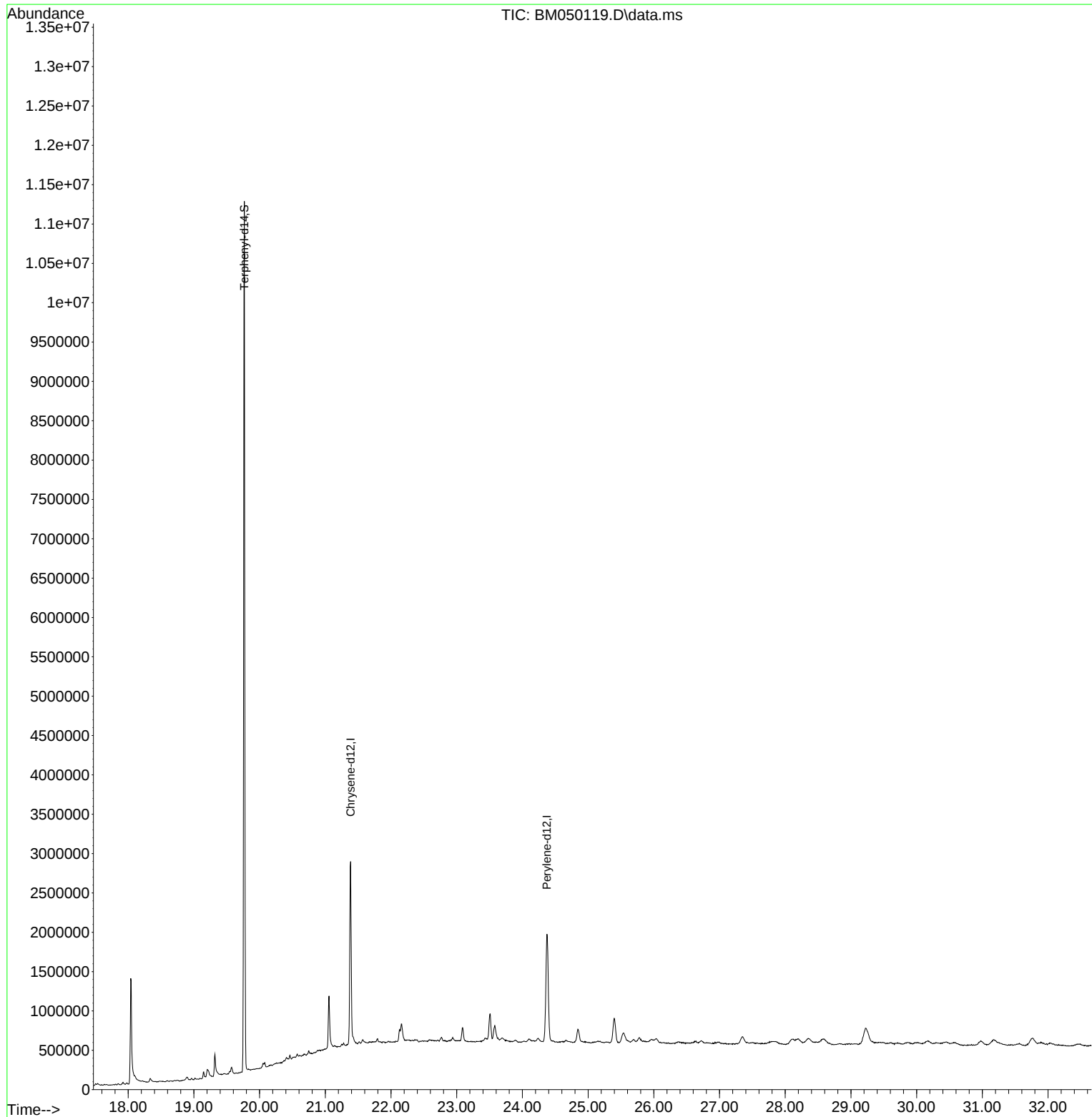
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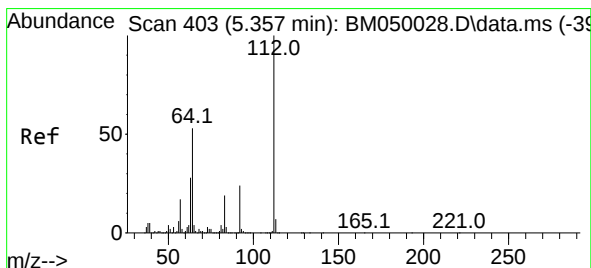
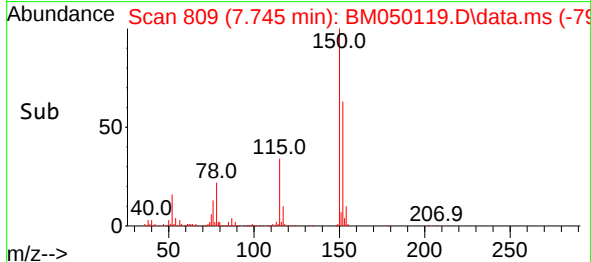
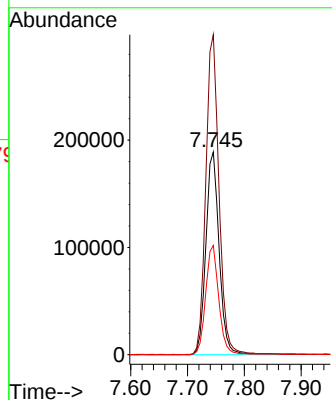
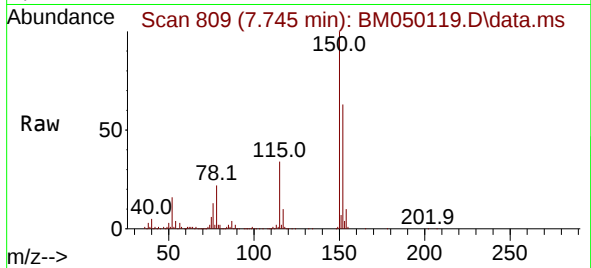




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050119.D
Acq: 06 May 2025 14:41

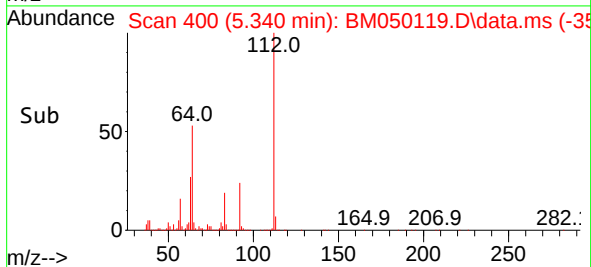
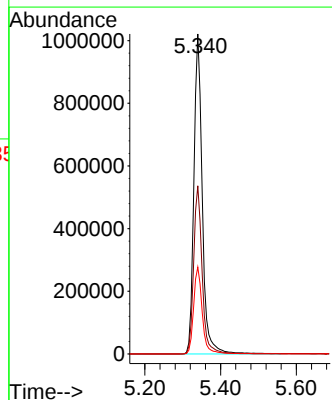
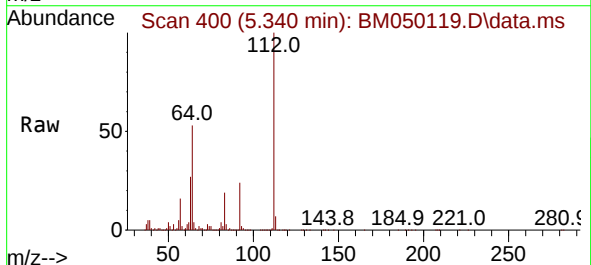
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-E

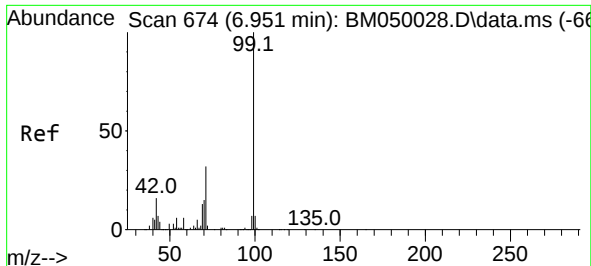
Tgt Ion:152 Resp: 305398
Ion Ratio Lower Upper
152 100
150 157.9 124.1 186.1
115 53.9 41.2 61.8



#5
2-Fluorophenol
Concen: 90.385 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050119.D
Acq: 06 May 2025 14:41

Tgt Ion:112 Resp: 1576364
Ion Ratio Lower Upper
112 100
64 52.6 42.6 64.0
63 27.2 22.2 33.4

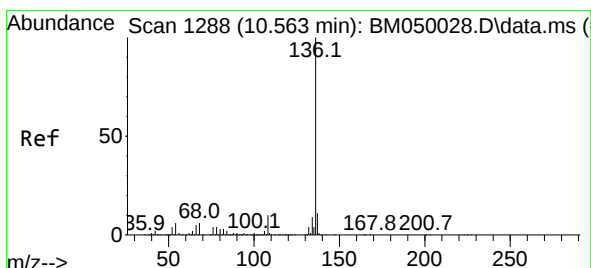
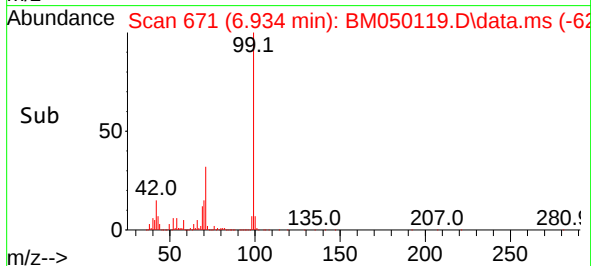
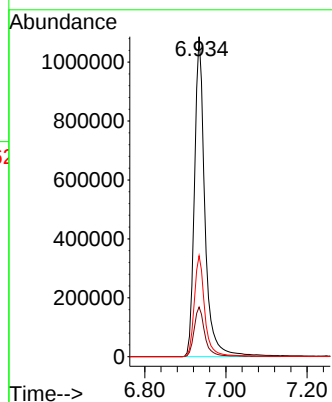
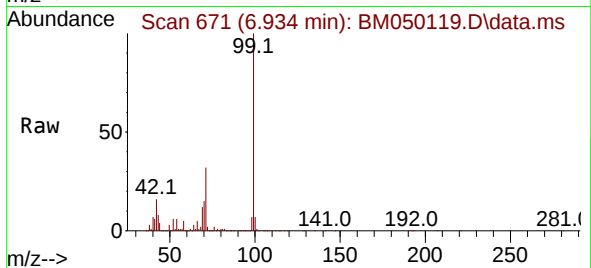




#7
Phenol-d6
Concen: 89.253 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050119.D
Acq: 06 May 2025 14:41

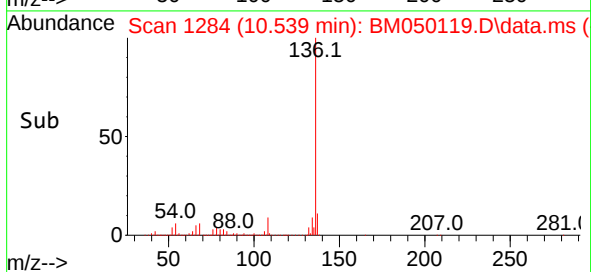
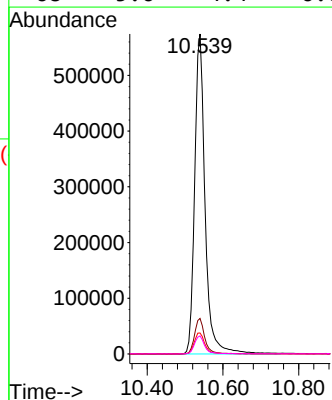
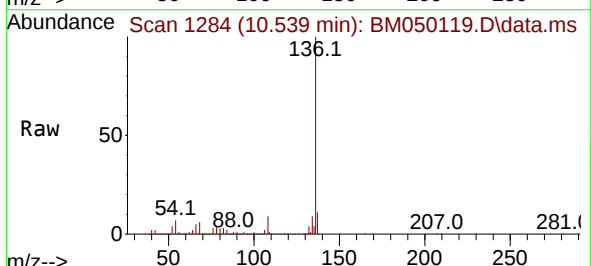
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-E

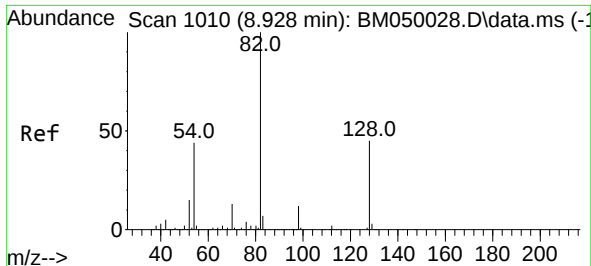
Tgt Ion: 99 Resp: 1956475
Ion Ratio Lower Upper
99 100
42 15.5 13.0 19.4
71 31.6 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050119.D
Acq: 06 May 2025 14:41

Tgt Ion: 136 Resp: 1098426
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.6 5.1 7.7
68 5.6 4.4 6.6

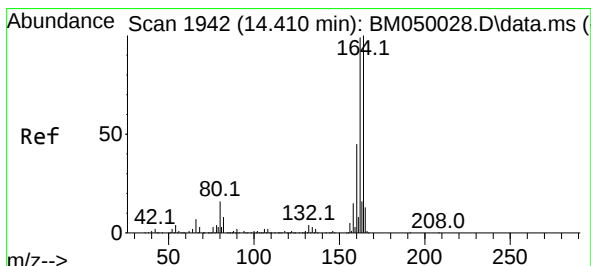
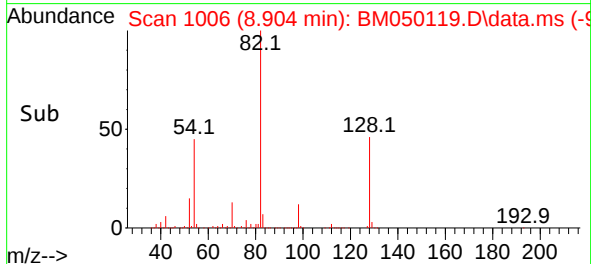
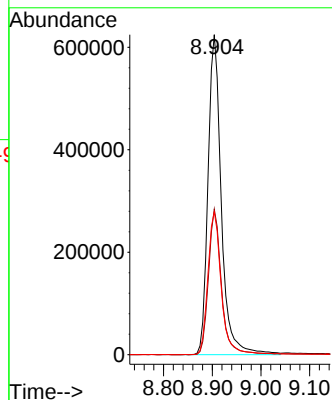
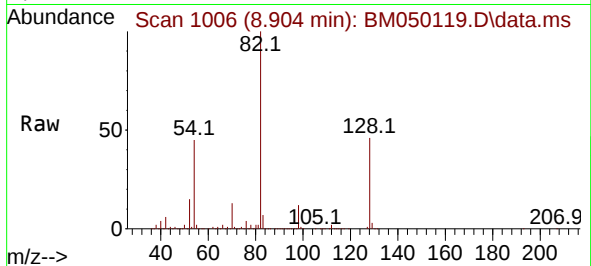




#23
Nitrobenzene-d5
Concen: 53.020 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050119.D
Acq: 06 May 2025 14:41

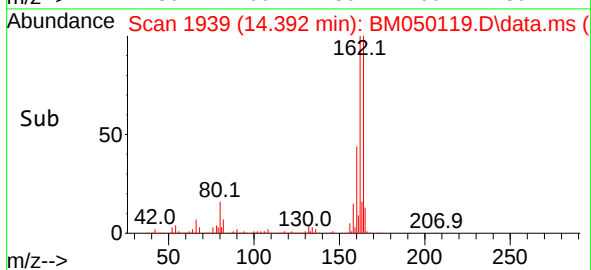
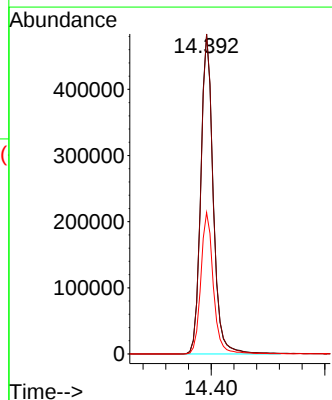
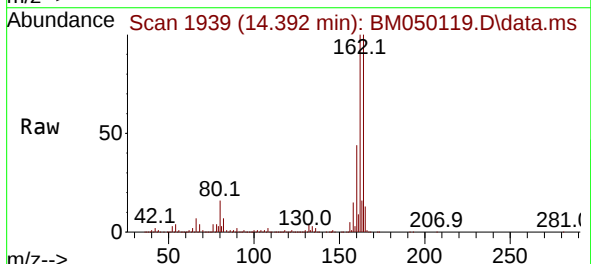
Instrument :
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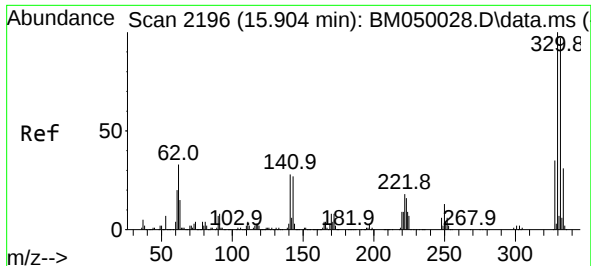
Tgt Ion: 82 Resp: 1181880
Ion Ratio Lower Upper
82 100
128 45.5 35.7 53.5
54 44.6 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050119.D
Acq: 06 May 2025 14:41

Tgt Ion: 164 Resp: 735430
Ion Ratio Lower Upper
164 100
162 100.0 79.4 119.0
160 44.2 36.2 54.4

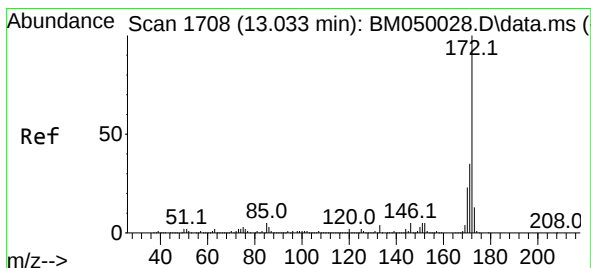
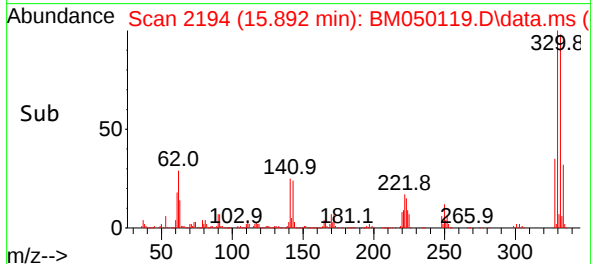
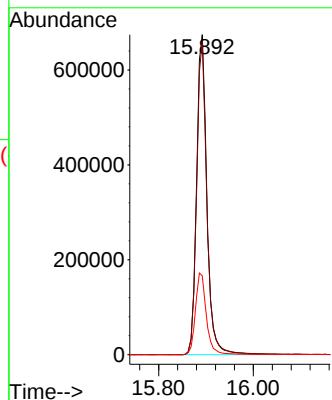
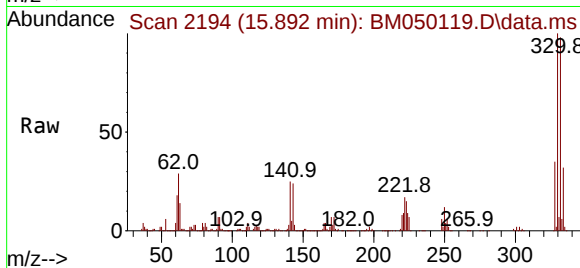




#42
2,4,6-Tribromophenol
Concen: 94.105 ng
RT: 15.892 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM050119.D
Acq: 06 May 2025 14:41

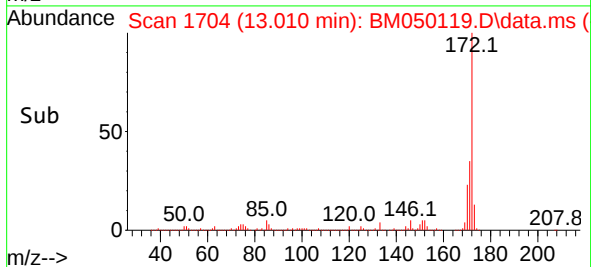
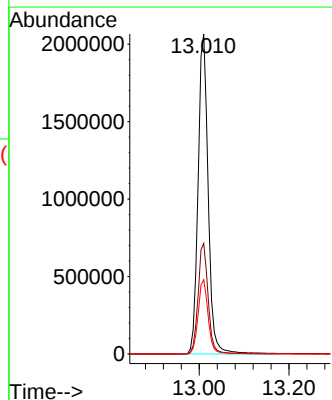
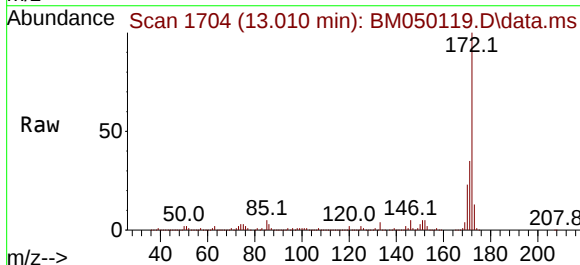
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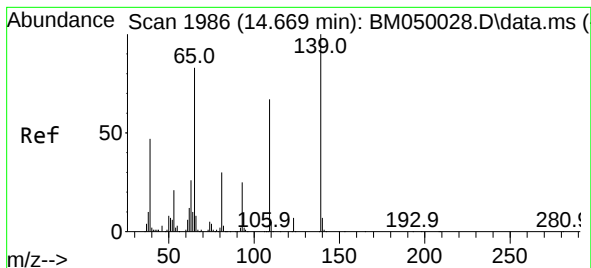
Tgt Ion:330 Resp: 1023324
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 27.2 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 51.908 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050119.D
Acq: 06 May 2025 14:41

Tgt Ion:172 Resp: 3226992
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 23.2 18.6 28.0

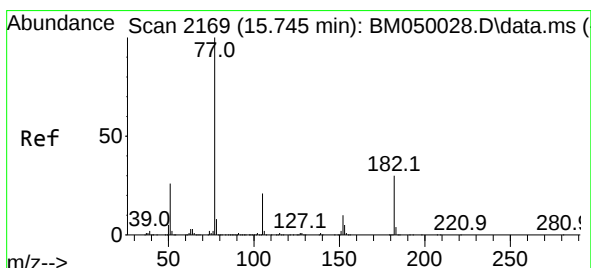
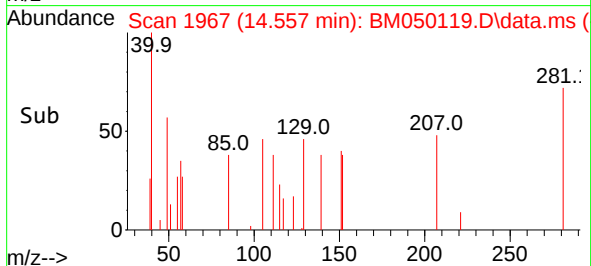
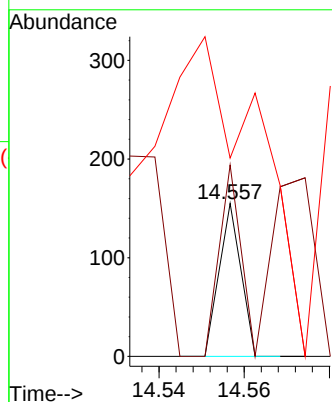
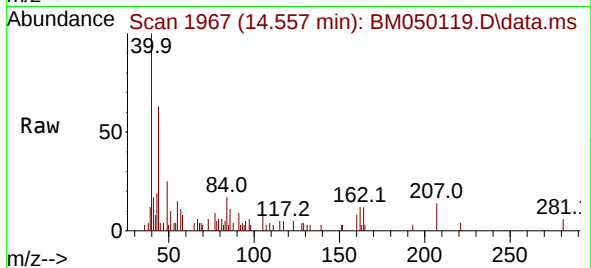




#56
4-Nitrophenol
Concen: 4.540 ng
RT: 14.557 min Scan# 1986
Delta R.T. -0.112 min
Lab File: BM050119.D
Acq: 06 May 2025 14:41

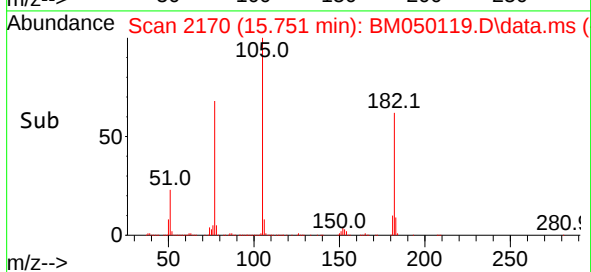
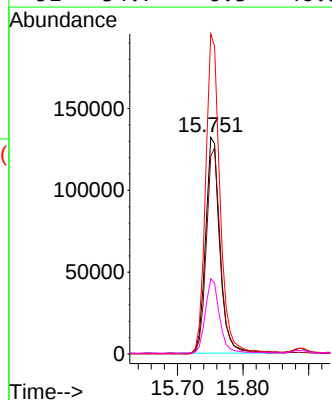
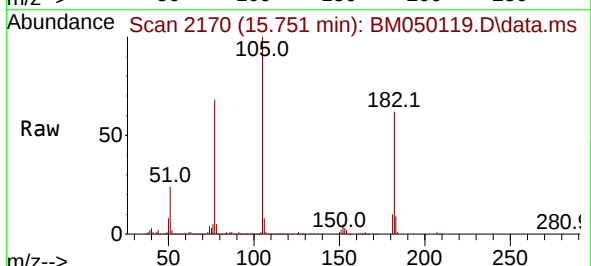
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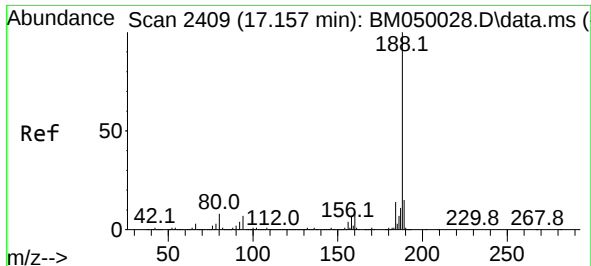
Tgt Ion:139 Resp: 55
Ion Ratio Lower Upper
139 100
109 125.2 47.0 87.0#
65 129.7 64.3 104.3#



#63
Azobenzene
Concen: 4.707 ng
RT: 15.751 min Scan# 2170
Delta R.T. 0.006 min
Lab File: BM050119.D
Acq: 06 May 2025 14:41

Tgt Ion: 77 Resp: 199778
Ion Ratio Lower Upper
77 100
182 91.3 10.5 50.5#
105 147.7 1.1 41.1#
51 34.7 6.3 46.3

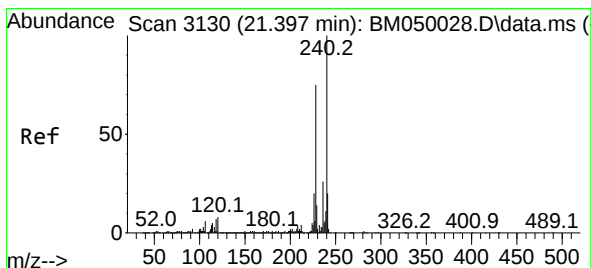
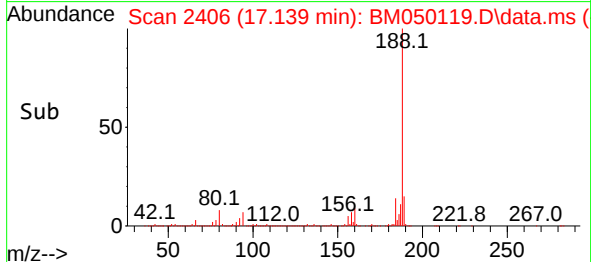
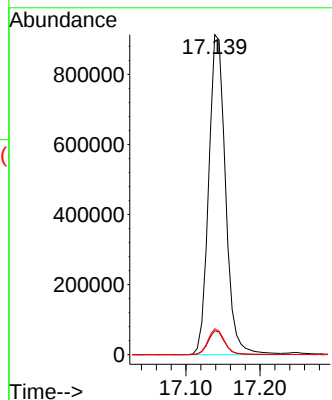
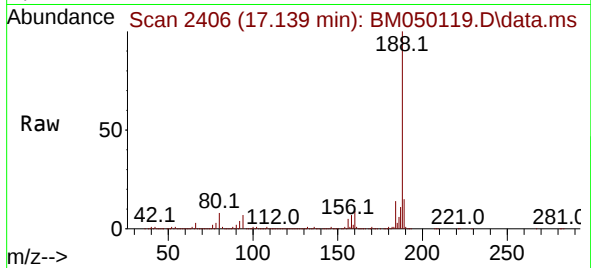




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM050119.D
Acq: 06 May 2025 14:41

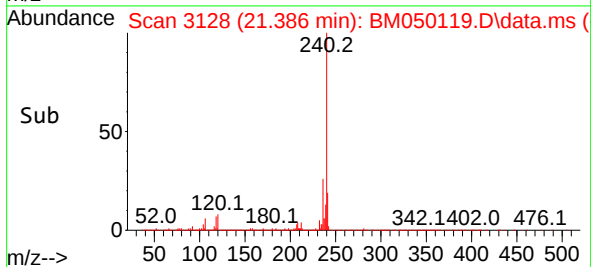
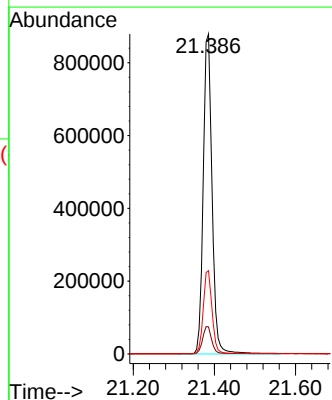
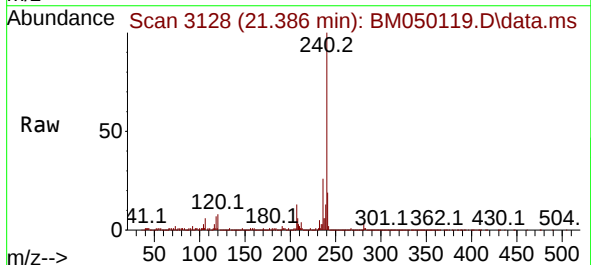
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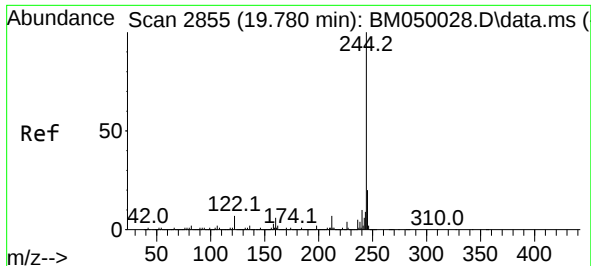
Tgt Ion:188 Resp: 1445019
Ion Ratio Lower Upper
188 100
94 7.4 5.7 8.5
80 8.1 6.2 9.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050119.D
Acq: 06 May 2025 14:41

Tgt Ion:240 Resp: 1331447
Ion Ratio Lower Upper
240 100
120 8.5 6.5 9.7
236 26.0 20.9 31.3

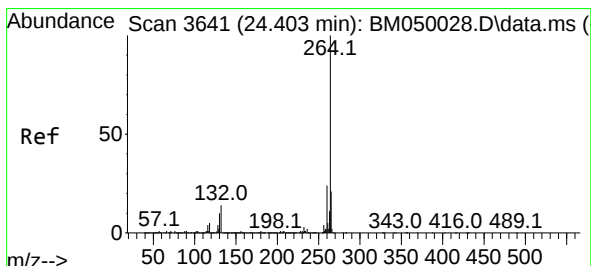
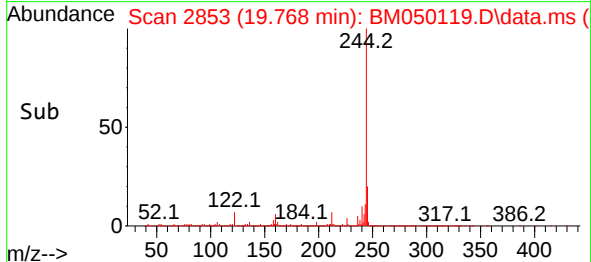
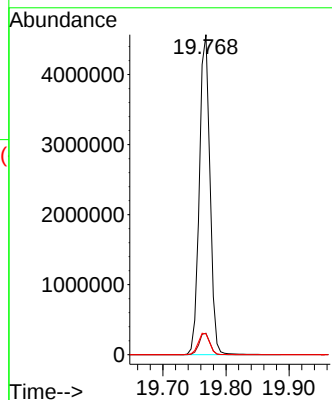
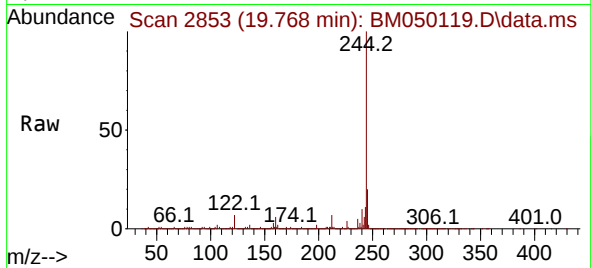




#79
 Terphenyl-d14
 Concen: 59.064 ng
 RT: 19.768 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050119.D
 Acq: 06 May 2025 14:41

Instrument :
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Tgt Ion:244 Resp: 5314478
 Ion Ratio Lower Upper
 244 100
 212 6.7 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. -0.029 min
 Lab File: BM050119.D
 Acq: 06 May 2025 14:41

Tgt Ion:264 Resp: 1358259
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.8 28.2
 265 21.8 17.0 25.4

