

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050124.D
 Acq On : 06 May 2025 17:57
 Operator : RC/JU
 Sample : Q1938-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: May 07 02:17:37 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)

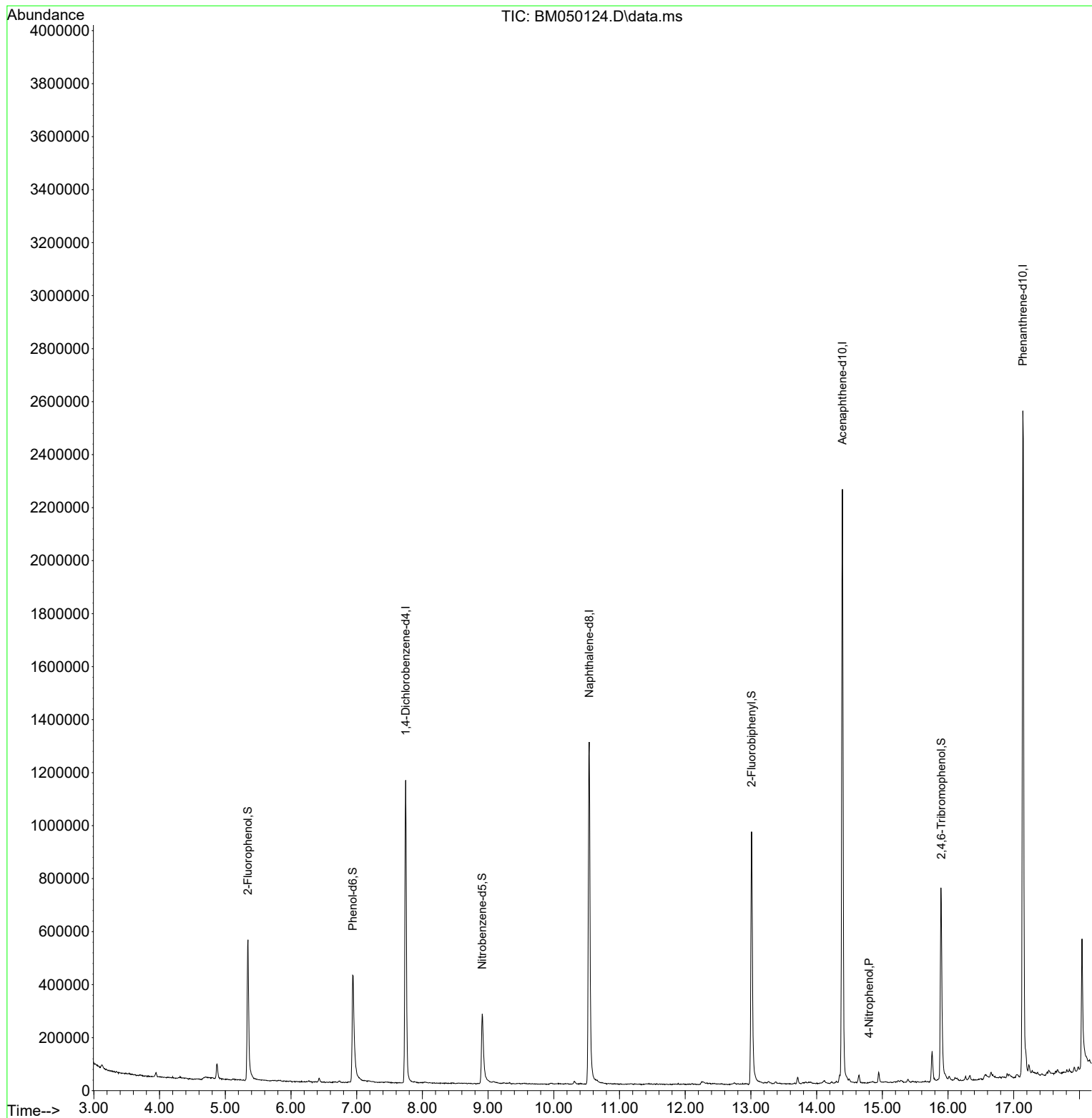
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	351271	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1286843	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	849871	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1665469	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1518014	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1547673	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	290075	14.460	ng	-0.01
7) Phenol-d6	6.940	99	377652	14.978	ng	-0.01
23) Nitrobenzene-d5	8.910	82	224356	8.591	ng	-0.02
42) 2,4,6-Tribromophenol	15.898	330	177872	14.154	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	644404	8.970	ng	-0.02
79) Terphenyl-d14	19.762	244	928057	9.047	ng	-0.02
Target Compounds						
56) 4-Nitrophenol	14.798	139	91	4.542	ng	Qvalue 80

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

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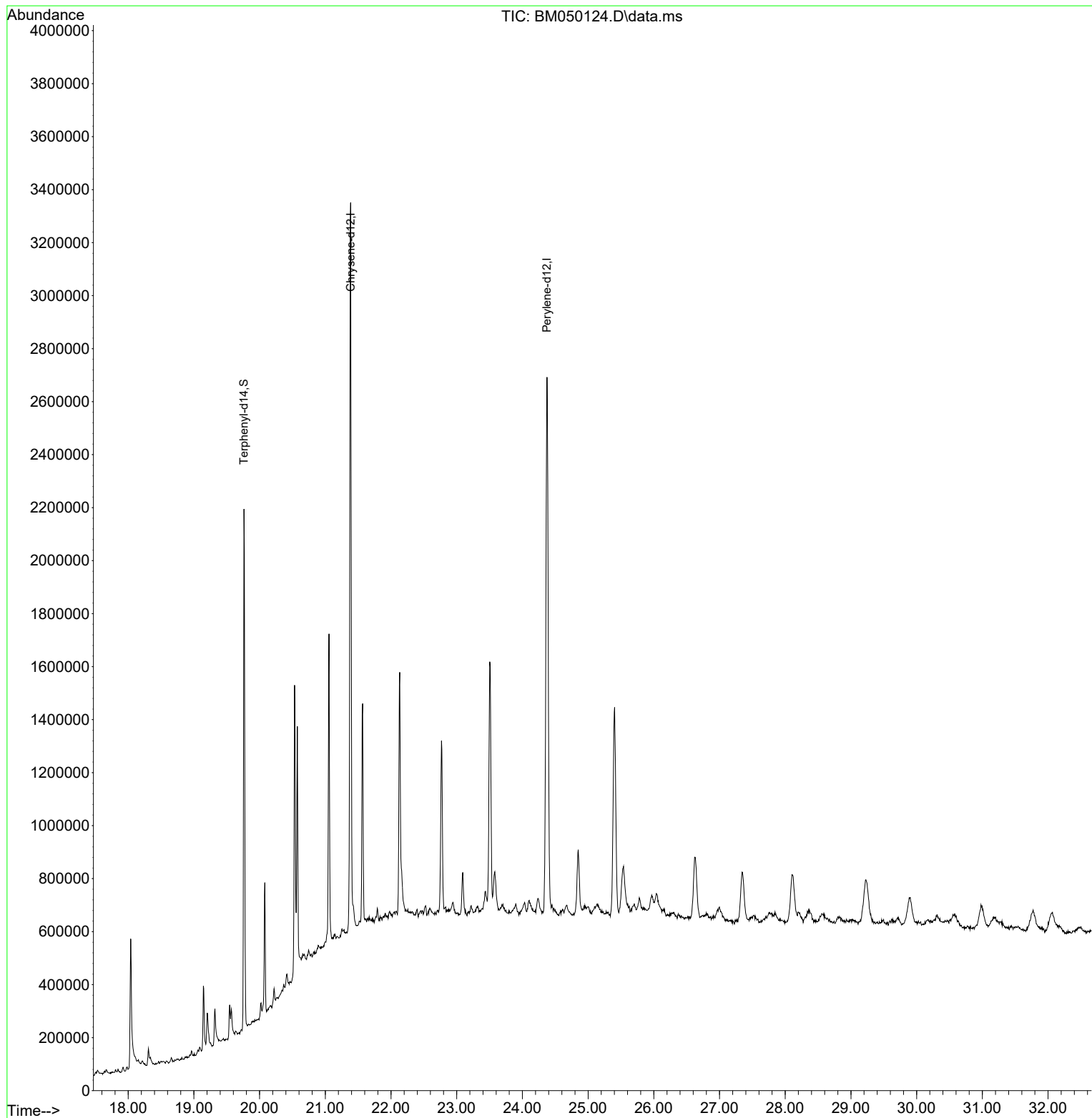
Quant Time: May 07 02:17:37 2025
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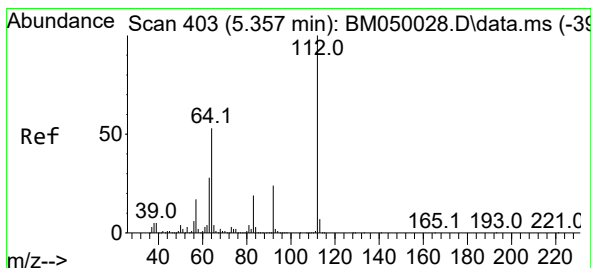
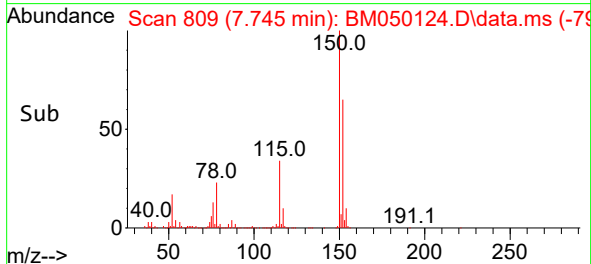
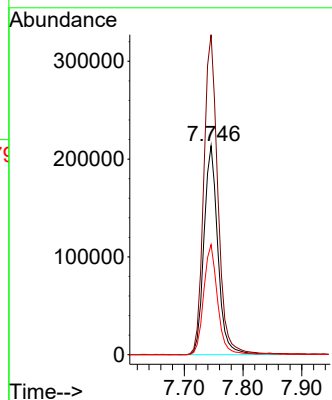
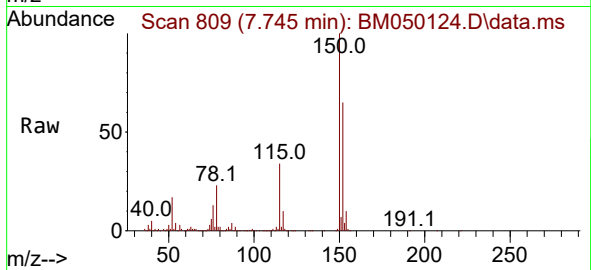




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050124.D
Acq: 06 May 2025 17:57

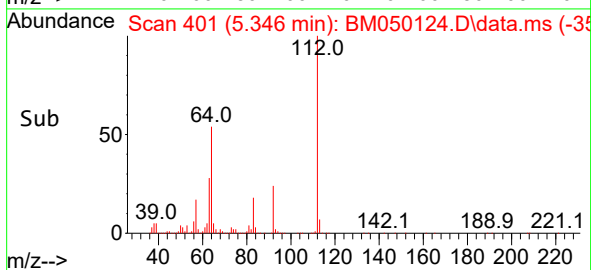
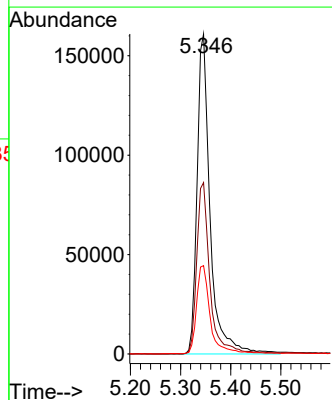
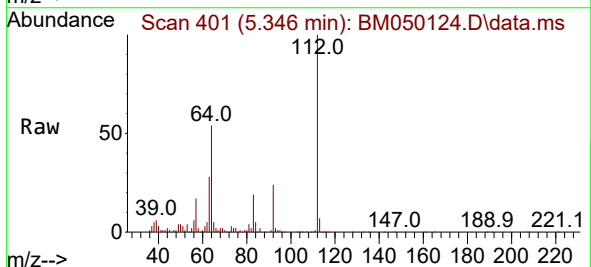
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

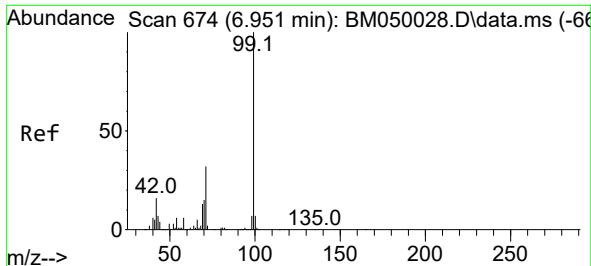
Tgt Ion:152 Resp: 351271
Ion Ratio Lower Upper
152 100
150 153.1 124.1 186.1
115 52.7 41.2 61.8



#5
2-Fluorophenol
Concen: 14.460 ng
RT: 5.346 min Scan# 401
Delta R.T. -0.012 min
Lab File: BM050124.D
Acq: 06 May 2025 17:57

Tgt Ion:112 Resp: 290075
Ion Ratio Lower Upper
112 100
64 53.5 42.6 64.0
63 27.6 22.2 33.4

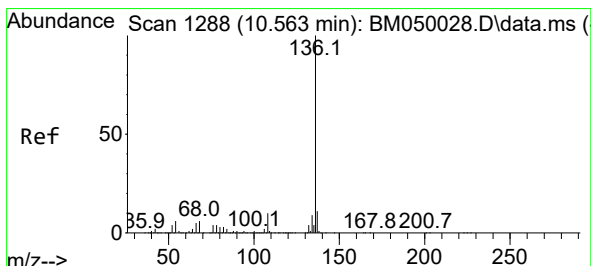
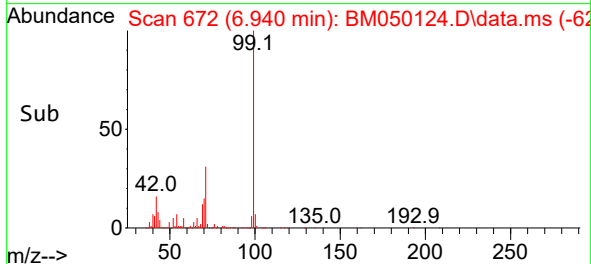
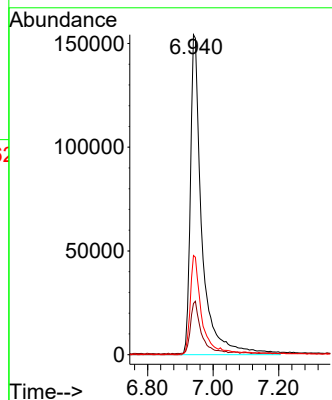
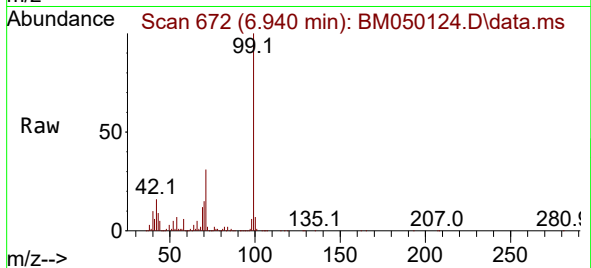




#7
Phenol-d6
Concen: 14.978 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM050124.D
Acq: 06 May 2025 17:57

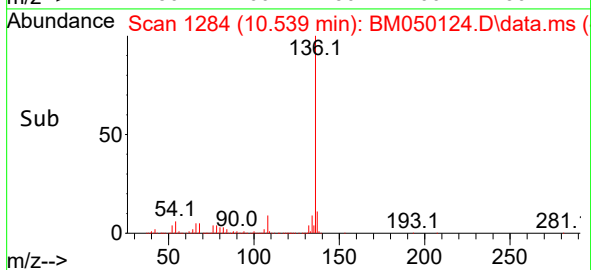
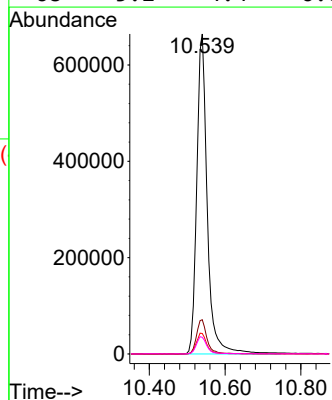
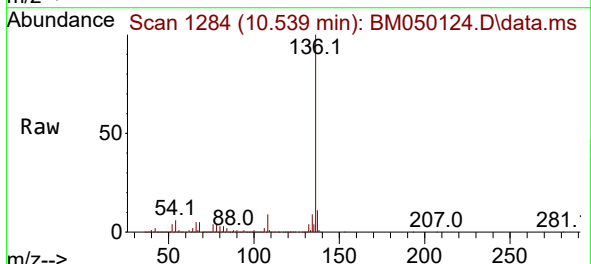
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

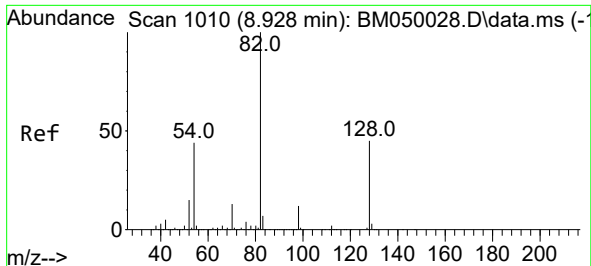
Tgt Ion: 99 Resp: 377652
Ion Ratio Lower Upper
99 100
42 16.0 13.0 19.4
71 31.0 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BM050124.D
Acq: 06 May 2025 17:57

Tgt Ion: 136 Resp: 1286843
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 6.4 5.1 7.7
68 5.2 4.4 6.6

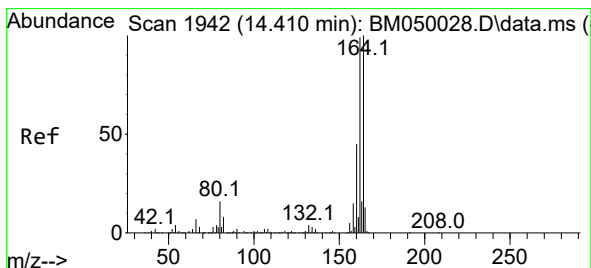
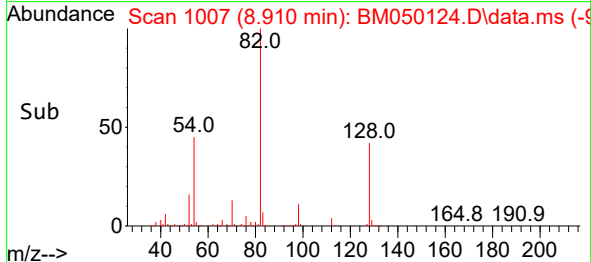
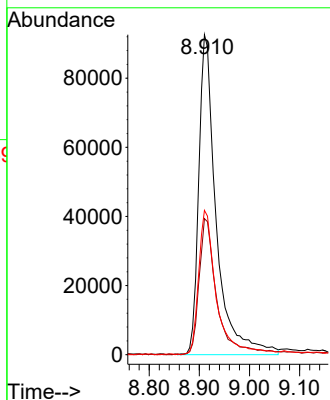
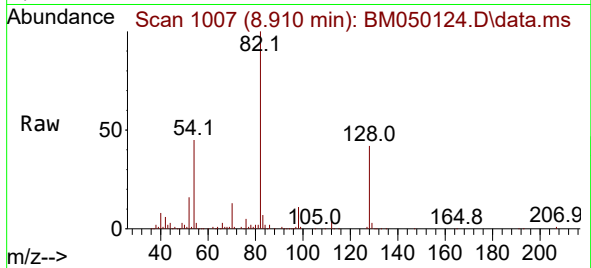




#23
Nitrobenzene-d5
Concen: 8.591 ng
RT: 8.910 min Scan# 1010
Delta R.T. -0.018 min
Lab File: BM050124.D
Acq: 06 May 2025 17:57

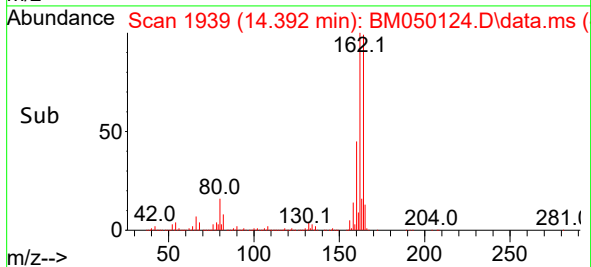
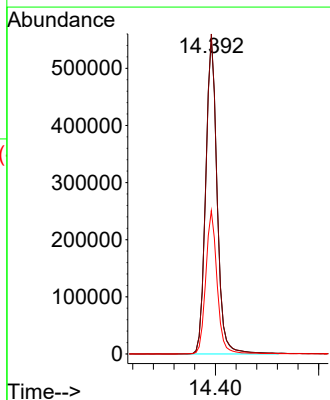
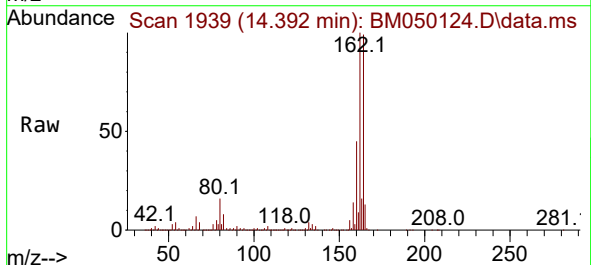
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

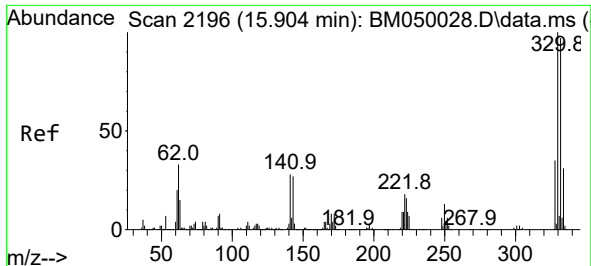
Tgt Ion: 82 Resp: 224356
Ion Ratio Lower Upper
82 100
128 42.5 35.7 53.5
54 45.1 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050124.D
Acq: 06 May 2025 17:57

Tgt Ion: 164 Resp: 849871
Ion Ratio Lower Upper
164 100
162 101.2 79.4 119.0
160 45.3 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 14.154 ng

RT: 15.898 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050124.D

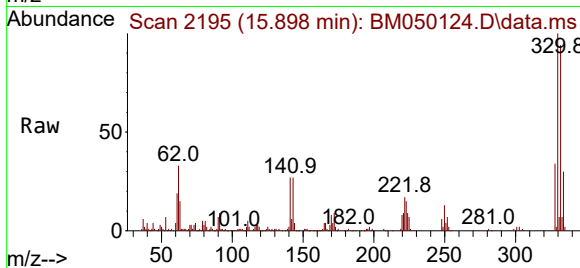
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Instrument :

BNA_M

ClientSampleId :

LOWER-WALL-PILE-A



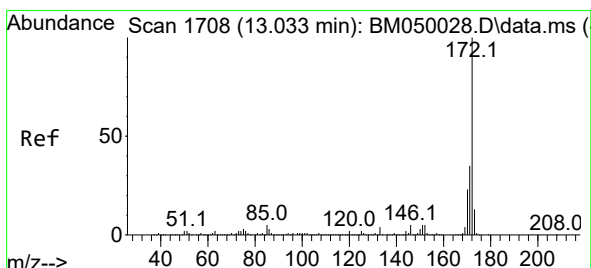
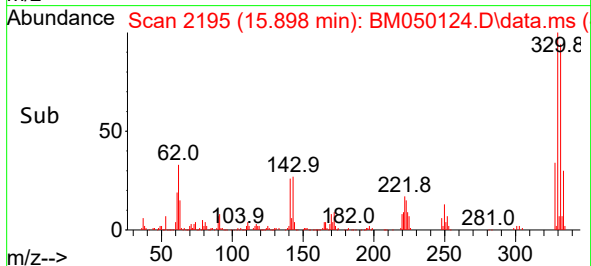
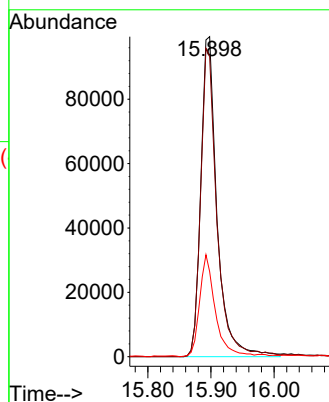
Tgt Ion:330 Resp: 177872

Ion Ratio Lower Upper

330 100

332 96.3 77.3 115.9

141 30.7 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 8.970 ng

RT: 13.010 min Scan# 1704

Delta R.T. -0.023 min

Lab File: BM050124.D

Acq: 06 May 2025 17:57

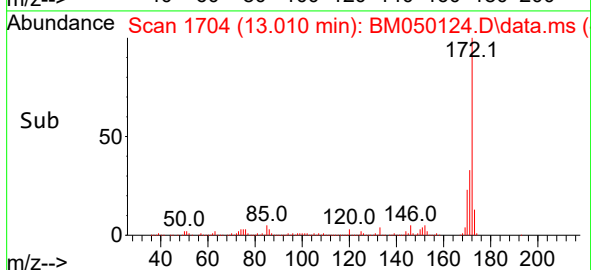
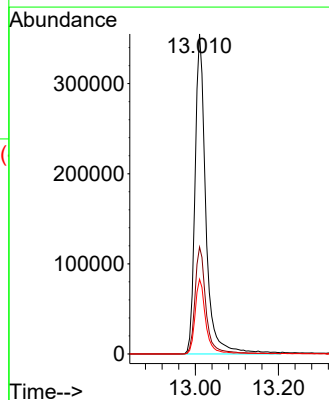
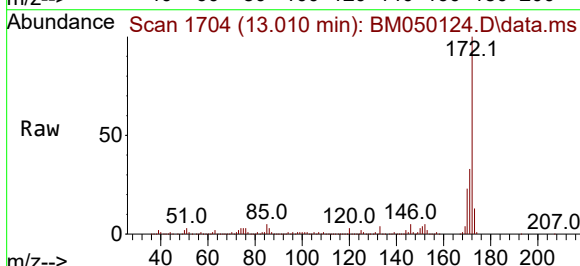
Tgt Ion:172 Resp: 644404

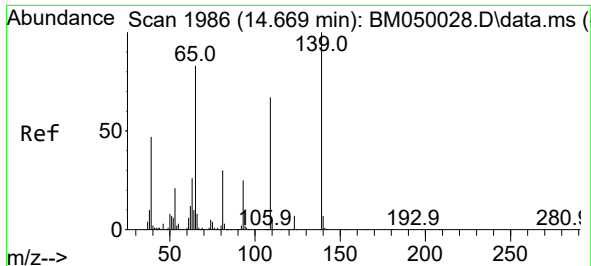
Ion Ratio Lower Upper

172 100

171 33.4 27.8 41.6

170 23.3 18.6 28.0

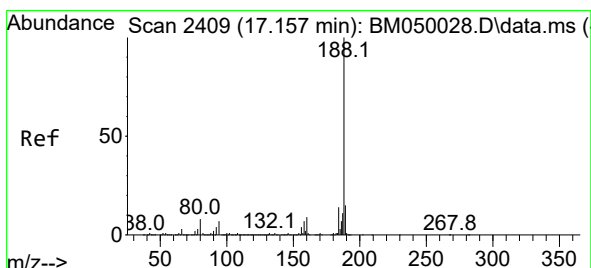
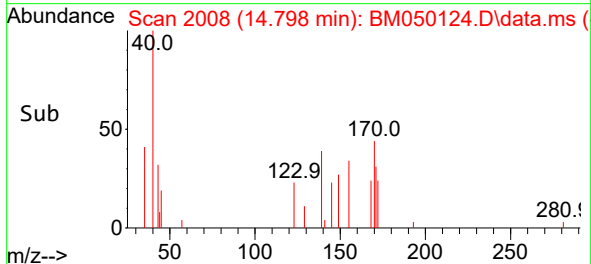
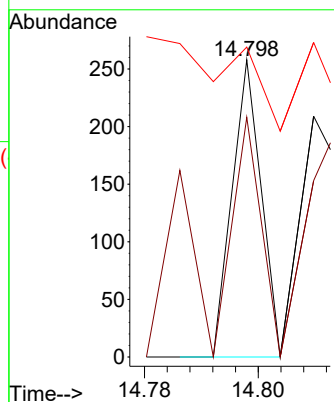
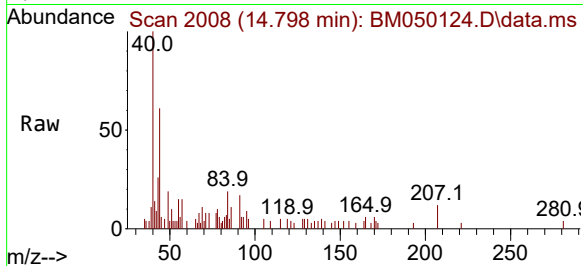




#56
4-Nitrophenol
Concen: 4.542 ng
RT: 14.798 min Scan# 2008
Delta R.T. 0.129 min
Lab File: BM050124.D
Acq: 06 May 2025 17:57

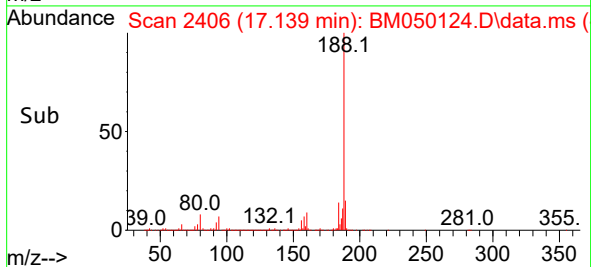
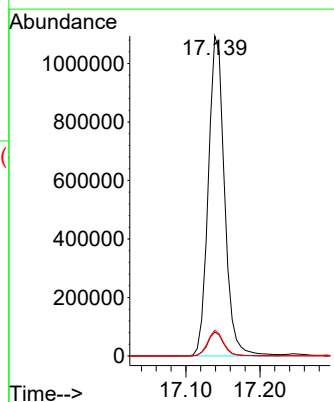
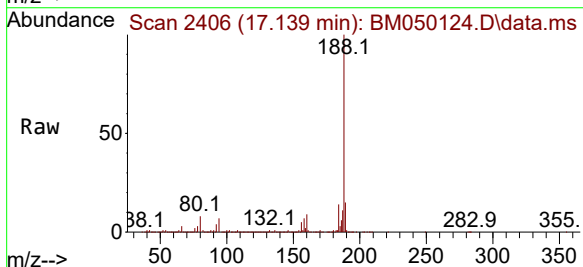
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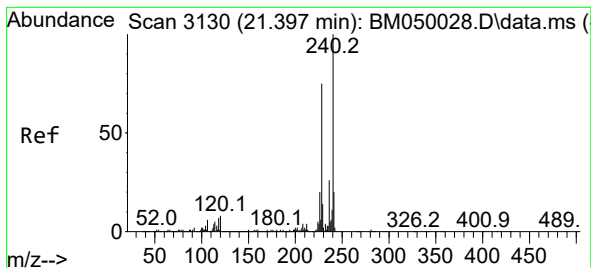
Tgt Ion:139 Resp: 91
Ion Ratio Lower Upper
139 100
109 80.6 47.0 87.0
65 104.3 64.3 104.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050124.D
Acq: 06 May 2025 17:57

Tgt Ion:188 Resp: 1665469
Ion Ratio Lower Upper
188 100
94 7.5 5.7 8.5
80 8.0 6.2 9.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 31

Delta R.T. -0.011 min

Lab File: BM050124.D

Acq: 06 May 2025 17:57

Instrument :

BNA_M

ClientSampleId :

LOWER-WALL-PILE-A

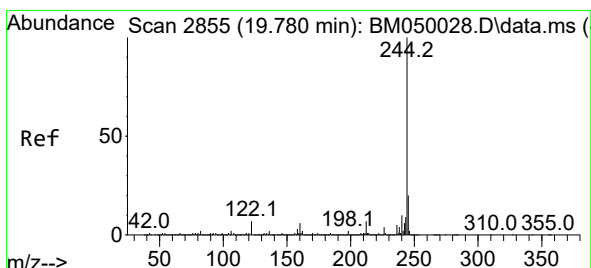
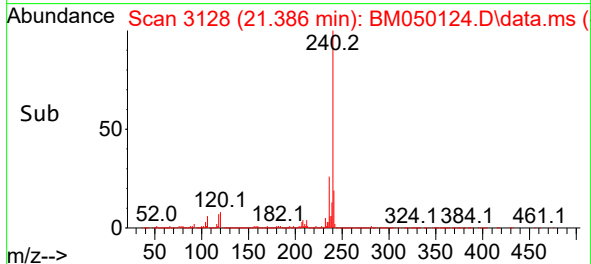
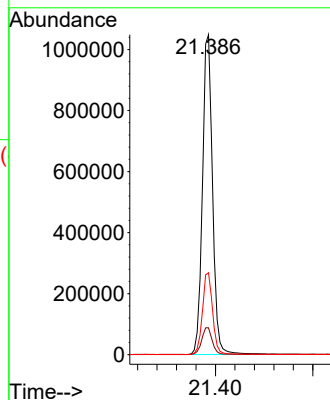
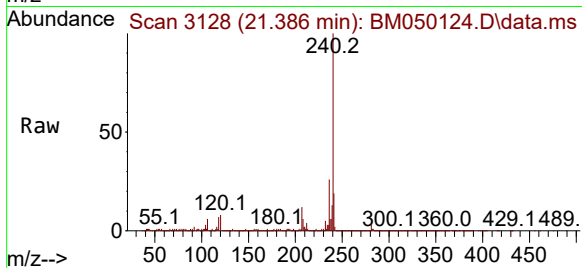
Tgt Ion:240 Resp: 1518014

Ion Ratio Lower Upper

240 100

120 8.4 6.5 9.7

236 25.6 20.9 31.3



#79

Terphenyl-d14

Concen: 9.047 ng

RT: 19.762 min Scan# 2852

Delta R.T. -0.018 min

Lab File: BM050124.D

Acq: 06 May 2025 17:57

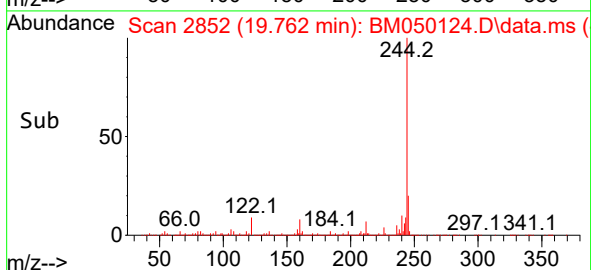
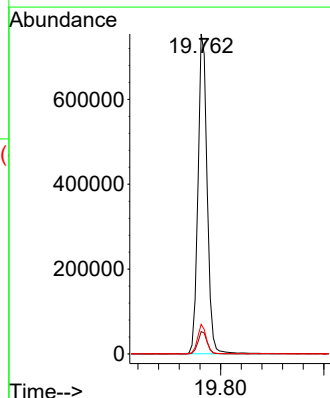
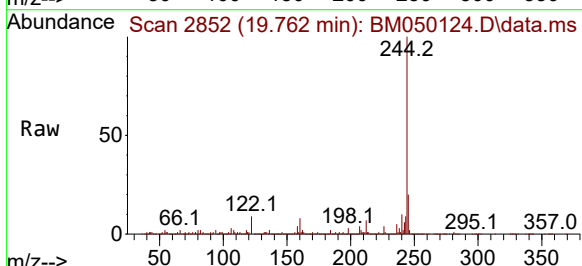
Tgt Ion:244 Resp: 928057

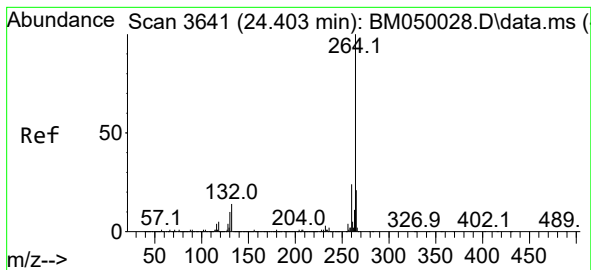
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 9.3 5.6 8.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.374 min Scan# 30

Delta R.T. -0.029 min

Lab File: BM050124.D

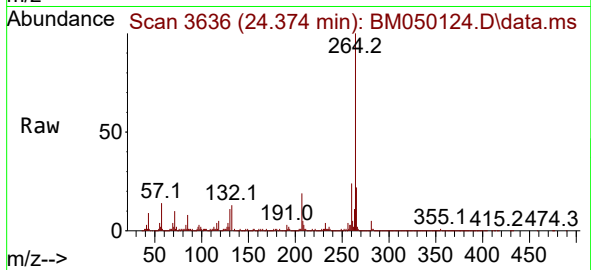
Acq: 06 May 2025 17:57

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Tgt Ion:264 Resp: 1547673

Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

265 22.4 17.0 25.4

