

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050925\
 Data File : BM050169.D
 Acq On : 09 May 2025 21:20
 Operator : RC/JU
 Sample : Q1983-42
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-636-COMP-07

Quant Time: May 09 23:38:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 08 12:03:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.739	152	364760	20.000	ng	-0.03
21) Naphthalene-d8	10.533	136	1312977	20.000	ng	-0.03
39) Acenaphthene-d10	14.392	164	945083	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	1978891	20.000	ng	-0.01
76) Chrysene-d12	21.391	240	1461323	20.000	ng	0.00
86) Perylene-d12	24.391	264	1145097	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	2624613	125.998	ng	-0.02
7) Phenol-d6	6.934	99	3052559	116.592	ng	-0.02
23) Nitrobenzene-d5	8.904	82	2173604	81.576	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	2181192	156.086	ng	-0.01
45) 2-Fluorobiphenyl	13.004	172	6051203	75.744	ng	-0.03
79) Terphenyl-d14	19.762	244	11072191	112.117	ng	-0.02

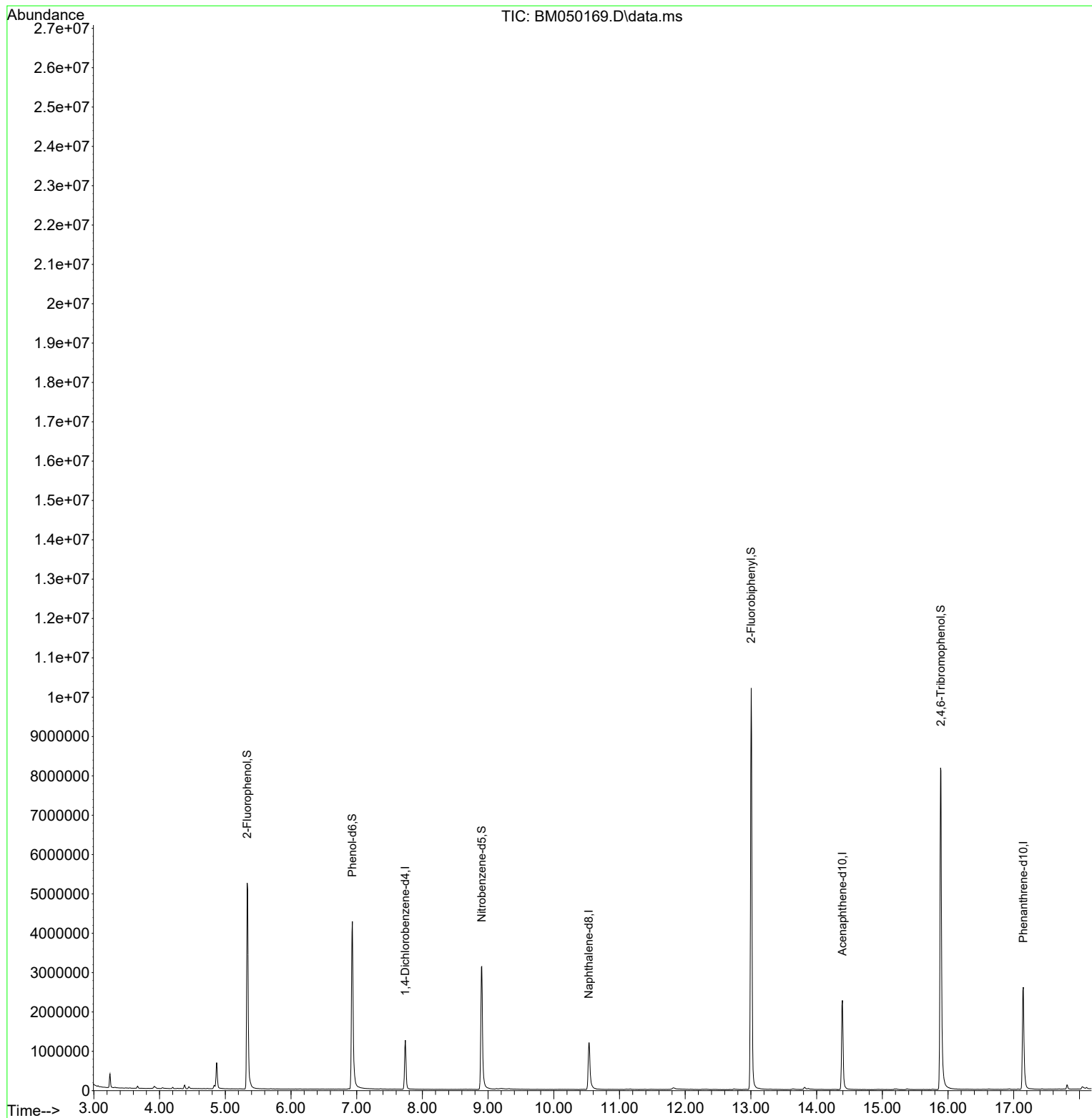
Target Compounds	Qvalue

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

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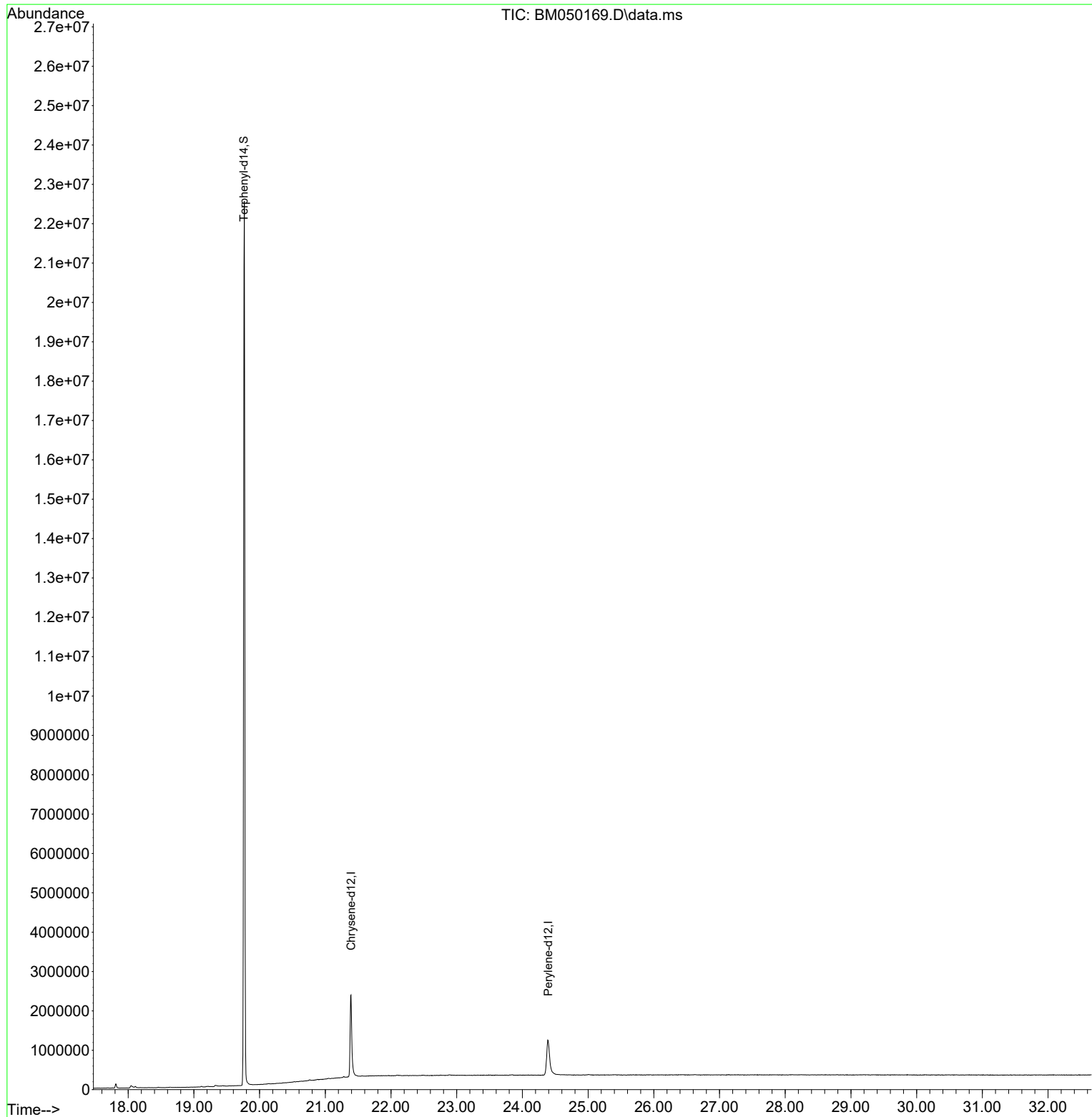
Quant Time: May 09 23:38:14 2025
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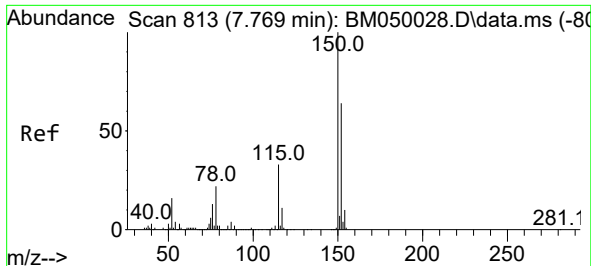


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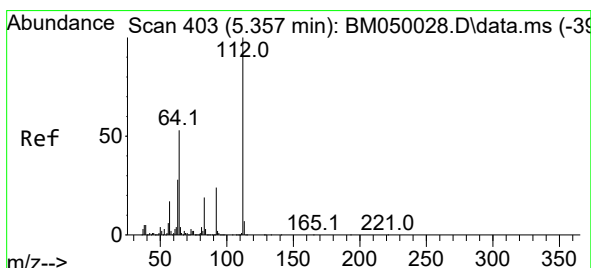
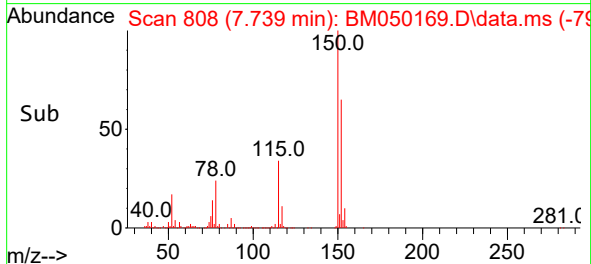
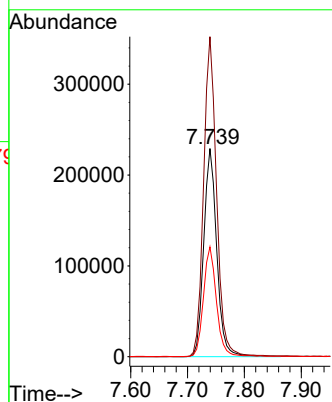
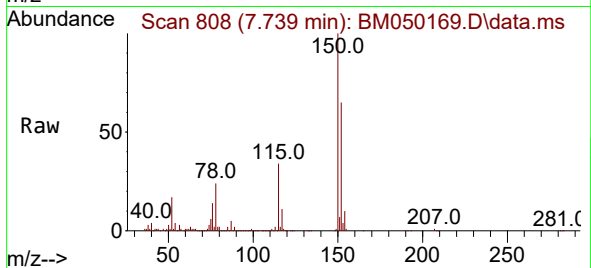




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.739 min Scan# 808
Delta R.T. -0.030 min
Lab File: BM050169.D
Acq: 09 May 2025 21:20

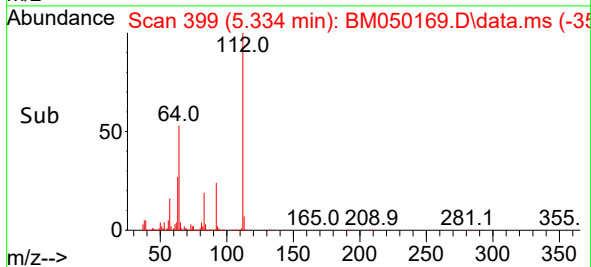
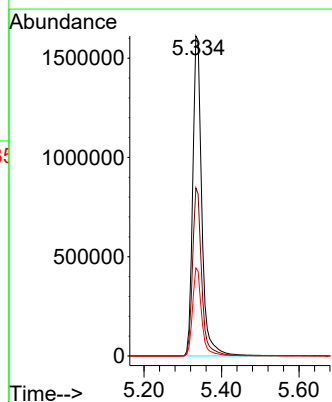
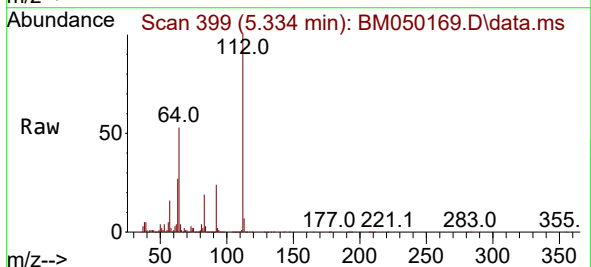
Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-07

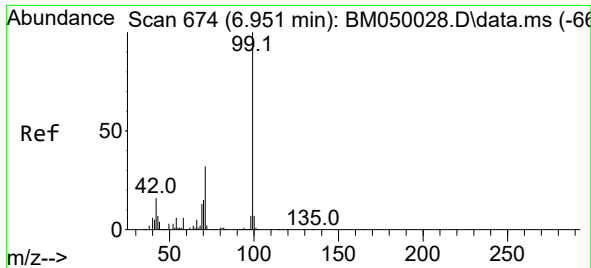
Tgt Ion:152 Resp: 364760
Ion Ratio Lower Upper
152 100
150 153.7 124.1 186.1
115 52.7 41.2 61.8



#5
2-Fluorophenol
Concen: 125.998 ng
RT: 5.334 min Scan# 399
Delta R.T. -0.024 min
Lab File: BM050169.D
Acq: 09 May 2025 21:20

Tgt Ion:112 Resp: 2624613
Ion Ratio Lower Upper
112 100
64 52.5 42.6 64.0
63 27.5 22.2 33.4

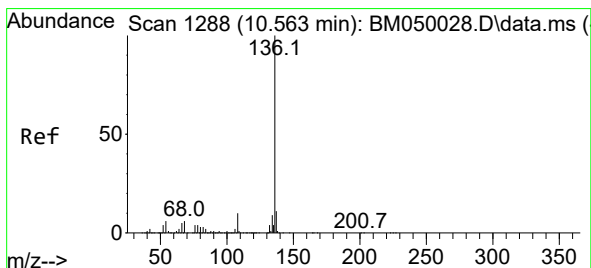
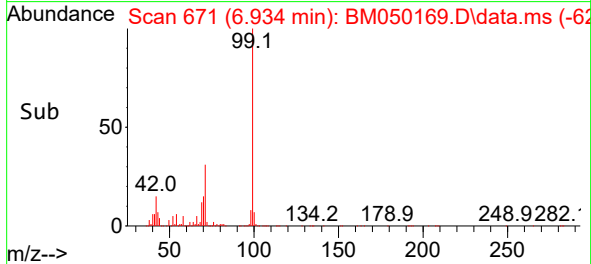
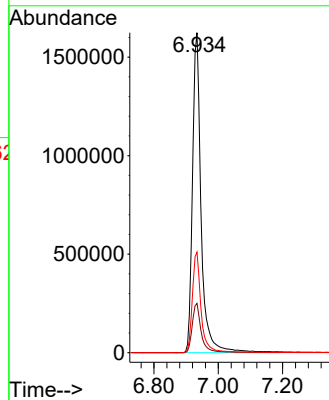
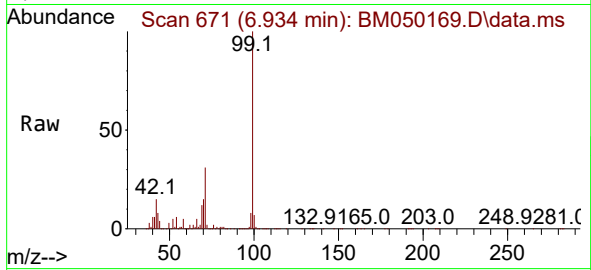




#7
Phenol-d6
Concen: 116.592 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050169.D
Acq: 09 May 2025 21:20

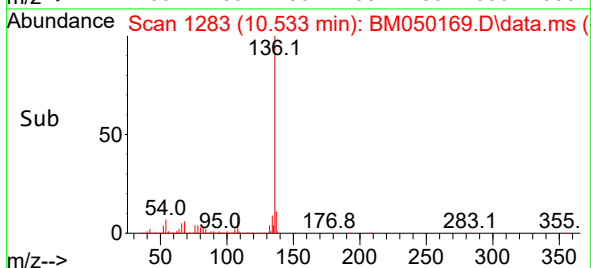
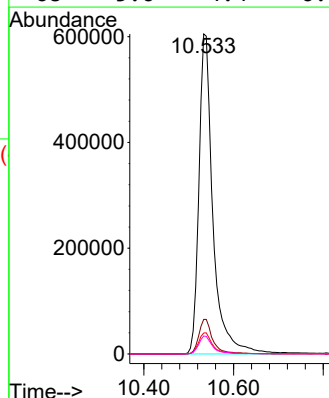
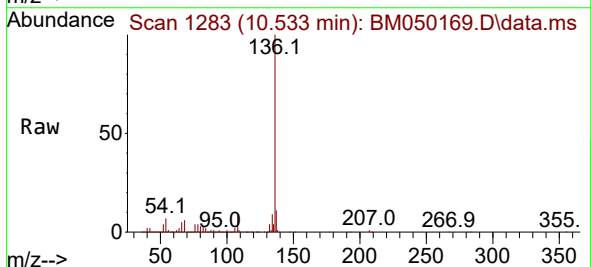
Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-07

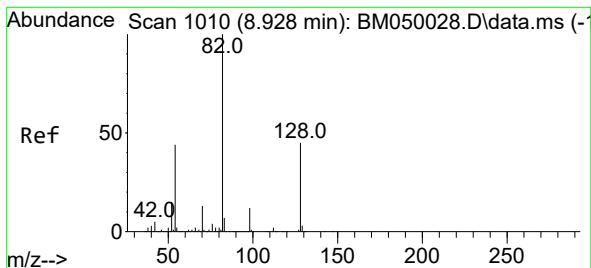
Tgt Ion: 99 Resp: 3052559
Ion Ratio Lower Upper
99 100
42 15.4 13.0 19.4
71 31.4 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.533 min Scan# 1283
Delta R.T. -0.030 min
Lab File: BM050169.D
Acq: 09 May 2025 21:20

Tgt Ion: 136 Resp: 1312977
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.6 5.1 7.7
68 5.6 4.4 6.6





#23

Nitrobenzene-d5

Concen: 81.576 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.024 min

Lab File: BM050169.D

Acq: 09 May 2025 21:20

Instrument :

BNA_M

ClientSampleId :

OR-636-COMP-07

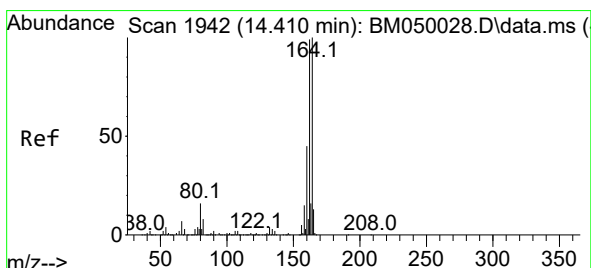
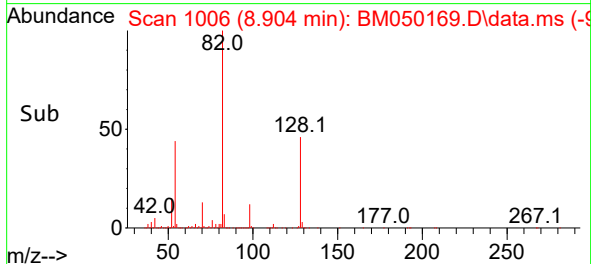
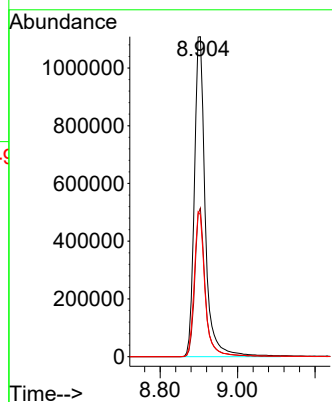
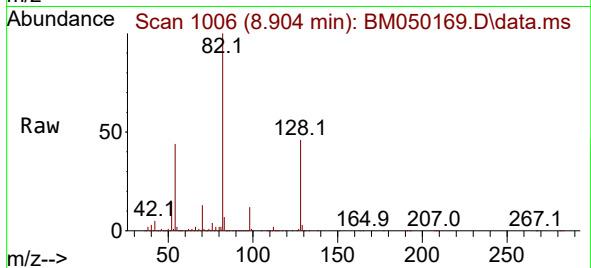
Tgt Ion: 82 Resp: 2173604

Ion Ratio Lower Upper

82 100

128 46.4 35.7 53.5

54 44.3 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: BM050169.D

Acq: 09 May 2025 21:20

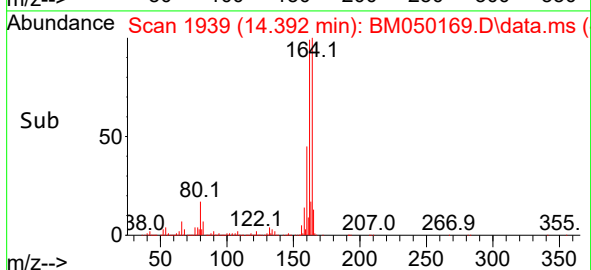
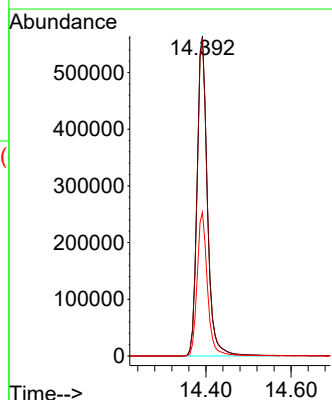
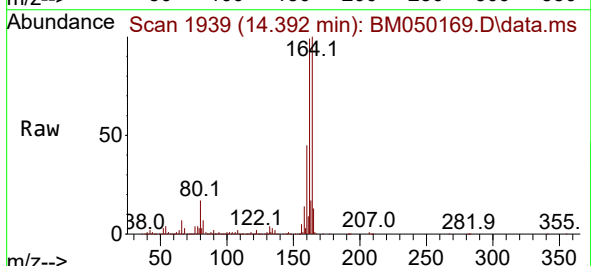
Tgt Ion: 164 Resp: 945083

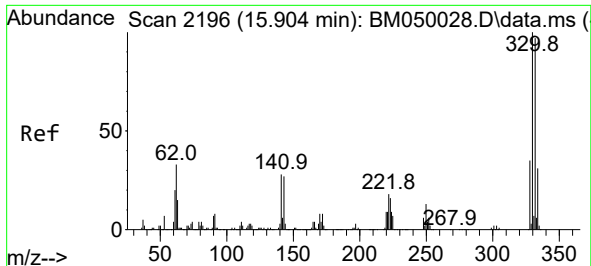
Ion Ratio Lower Upper

164 100

162 99.4 79.4 119.0

160 44.9 36.2 54.4

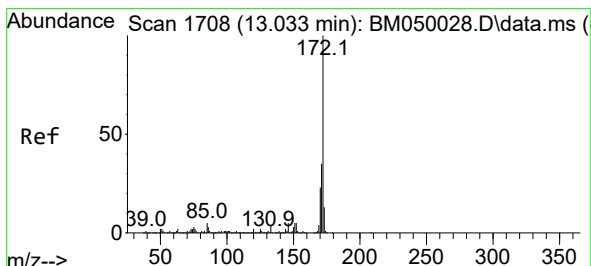
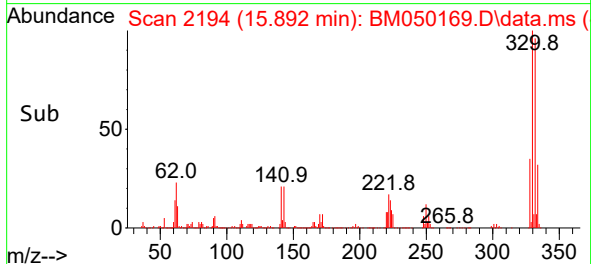
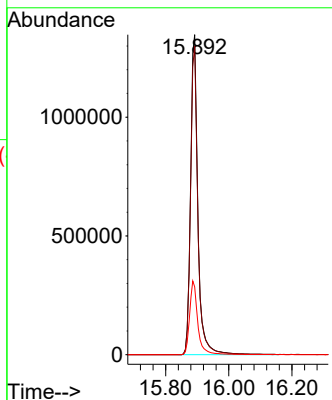
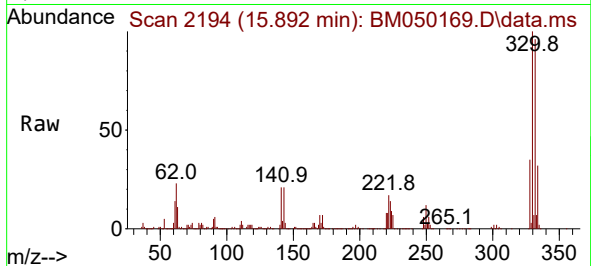




#42
2,4,6-Tribromophenol
Concen: 156.086 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050169.D
Acq: 09 May 2025 21:20

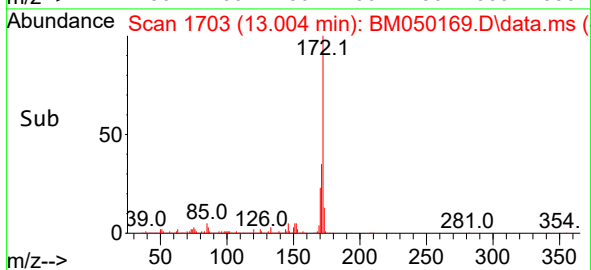
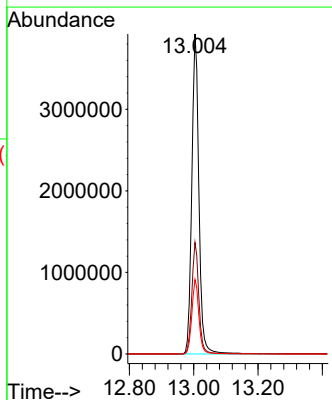
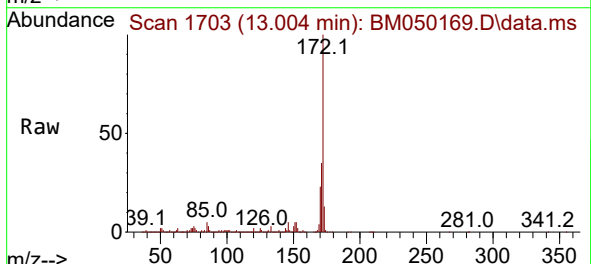
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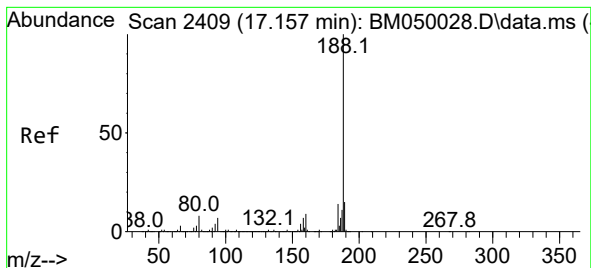
Tgt Ion:330 Resp: 2181192
Ion Ratio Lower Upper
330 100
332 96.4 77.3 115.9
141 25.7 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 75.744 ng
RT: 13.004 min Scan# 1703
Delta R.T. -0.030 min
Lab File: BM050169.D
Acq: 09 May 2025 21:20

Tgt Ion:172 Resp: 6051203
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 23.2 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.145 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM050169.D

Acq: 09 May 2025 21:20

Instrument :

BNA_M

ClientSampleId :

OR-636-COMP-07

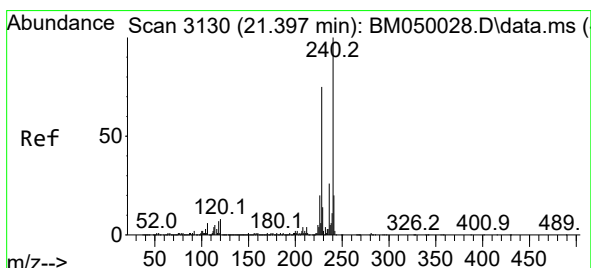
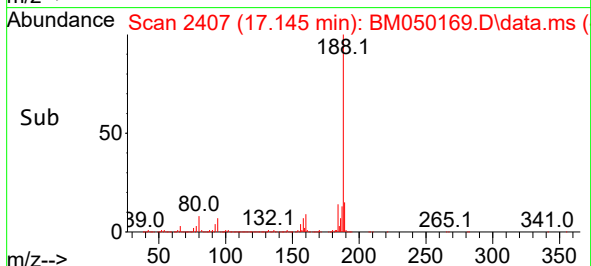
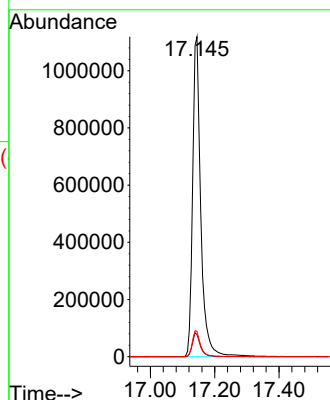
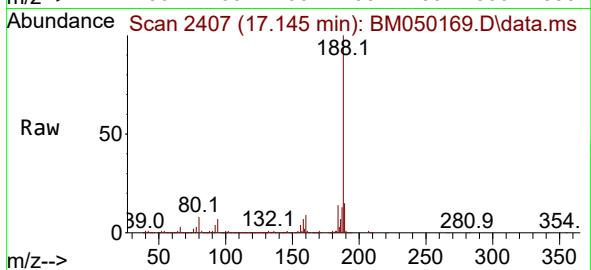
Tgt Ion:188 Resp: 1978891

Ion Ratio Lower Upper

188 100

94 6.9 5.7 8.5

80 8.0 6.2 9.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.391 min Scan# 3129

Delta R.T. -0.006 min

Lab File: BM050169.D

Acq: 09 May 2025 21:20

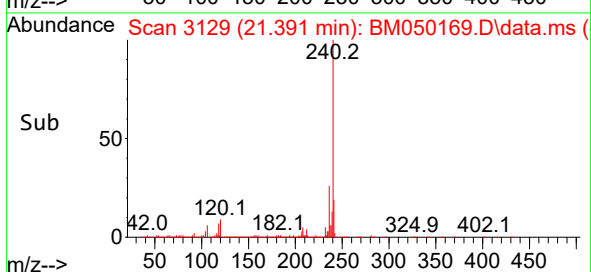
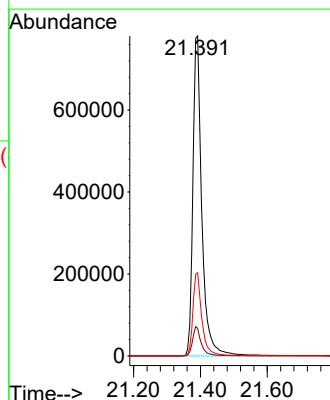
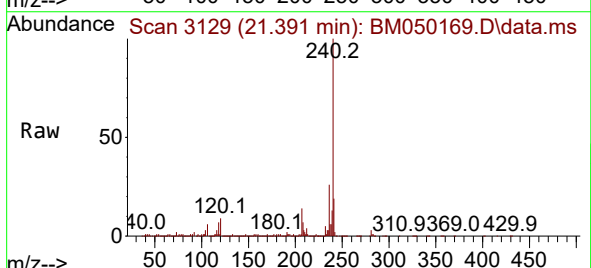
Tgt Ion:240 Resp: 1461323

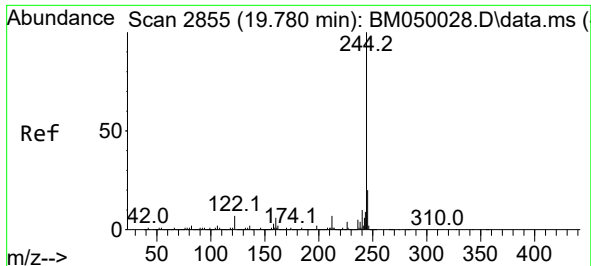
Ion Ratio Lower Upper

240 100

120 8.7 6.5 9.7

236 26.0 20.9 31.3

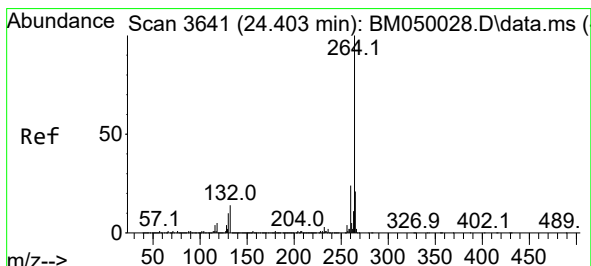
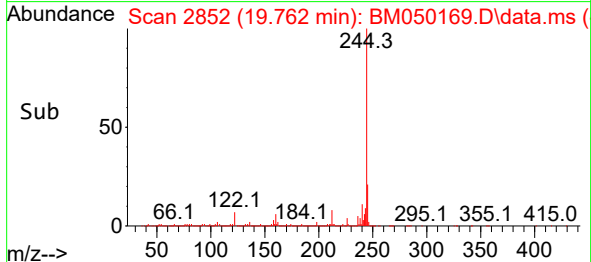
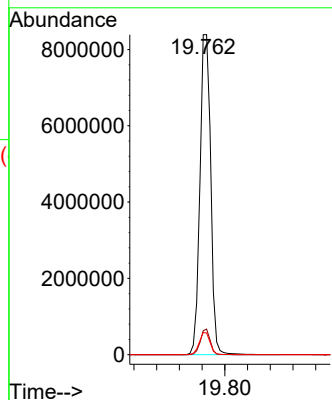
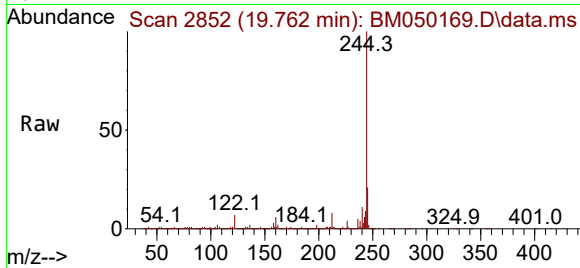




#79
 Terphenyl-d14
 Concen: 112.117 ng
 RT: 19.762 min Scan# 21
 Delta R.T. -0.018 min
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 Acq: 09 May 2025 21:20

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Tgt Ion:244 Resp:11072191
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.6 8.4
 122 6.9 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.391 min Scan# 3639
 Delta R.T. -0.012 min
 Lab File: BM050169.D
 Acq: 09 May 2025 21:20

Tgt Ion:264 Resp: 1145097
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.8 28.2
 265 21.8 17.0 25.4

