

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
 Data File : BM050228.D
 Acq On : 07 Jun 2025 00:41
 Operator : RC/JU
 Sample : Q2208-36
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BU-703-COMP-09

Quant Time: Jun 07 03:28:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 05 16:20:25 2025
 Response via : Initial Calibration

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

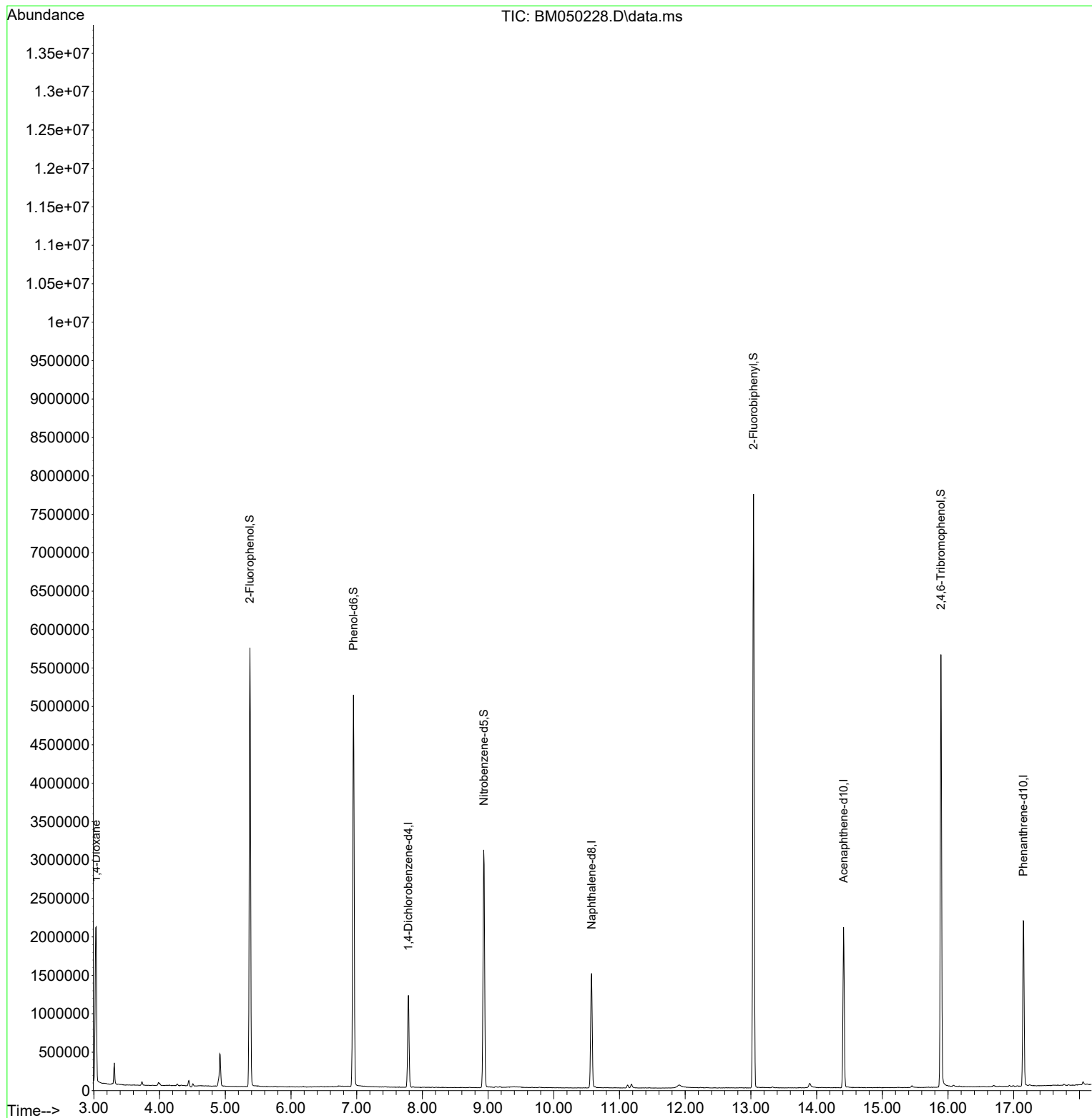
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.786	152	336589	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1264819	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	694469	20.000	ng	0.00
64) Phenanthrene-d10	17.145	188	1255659	20.000	ng	-0.01
76) Chrysene-d12	21.374	240	1194833	20.000	ng	-0.01
86) Perylene-d12	24.356	264	1260400	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2694754	133.553	ng	0.00
7) Phenol-d6	6.951	99	3313009	124.729	ng	0.00
23) Nitrobenzene-d5	8.933	82	1970872	81.040	ng	-0.01
42) 2,4,6-Tribromophenol	15.892	330	1016202	128.648	ng	-0.01
45) 2-Fluorobiphenyl	13.039	172	3894633	75.925	ng	-0.01
79) Terphenyl-d14	19.774	244	5236495	83.052	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.034	88	21292	2.407	ng	Qvalue # 1

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

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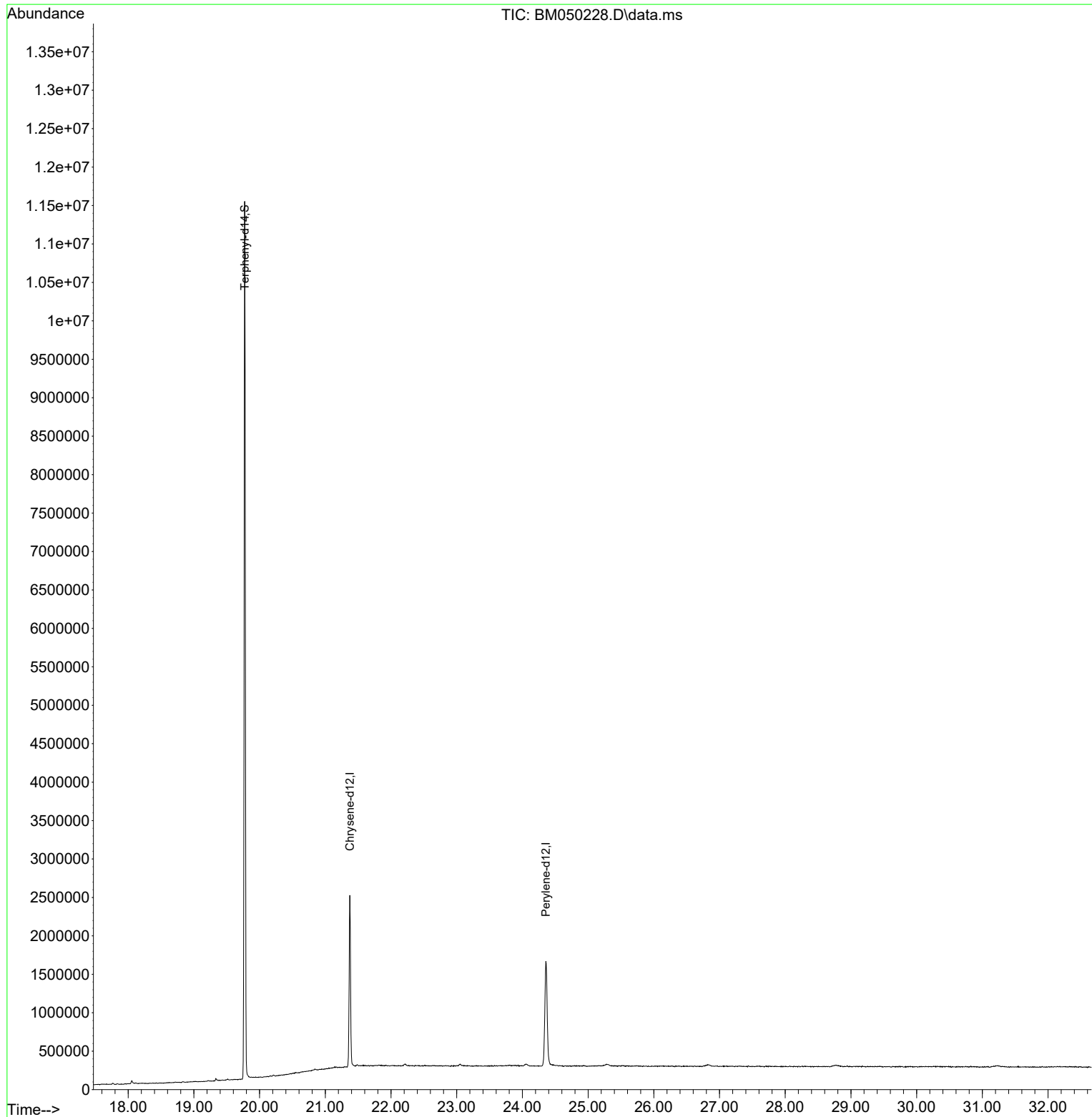
Quant Time: Jun 07 03:28:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
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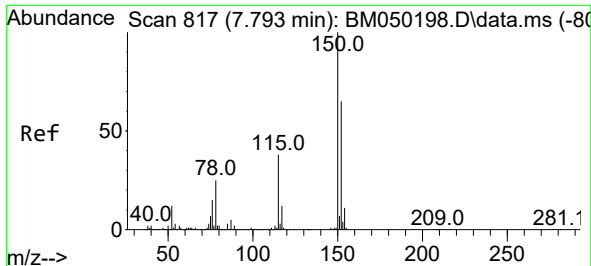


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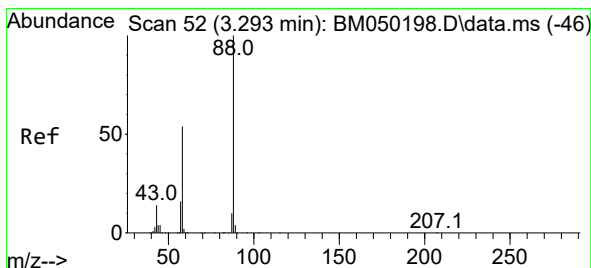
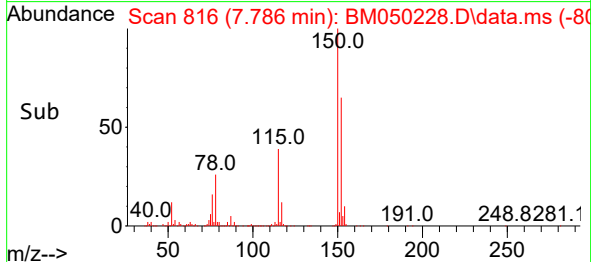
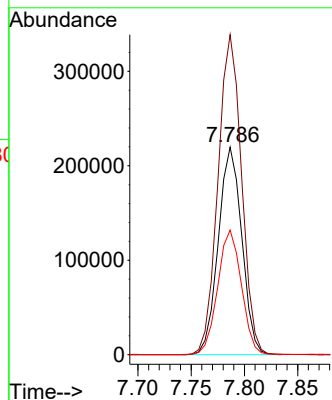
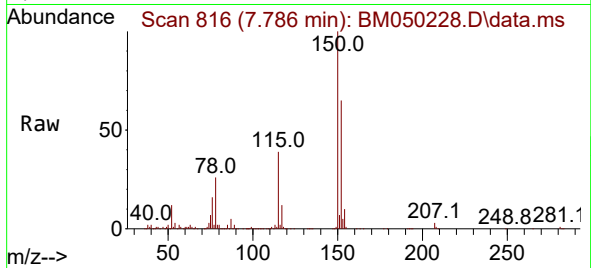




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.786 min Scan# 81
Delta R.T. -0.007 min
Lab File: BM050228.D
Acq: 07 Jun 2025 00:41

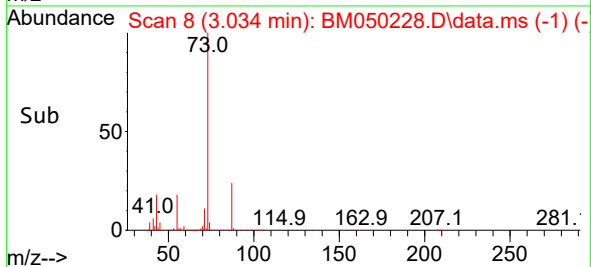
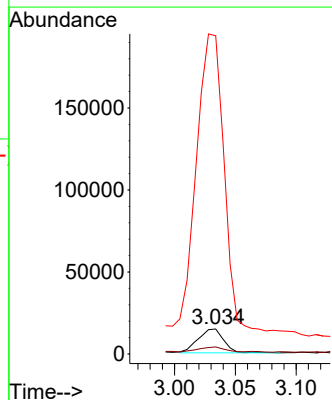
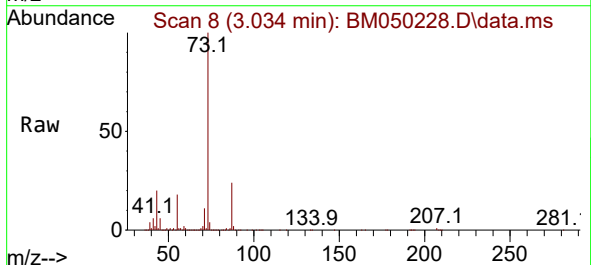
Instrument :
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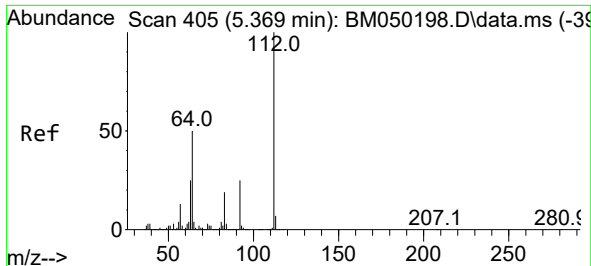
Tgt Ion:152 Resp: 336589
Ion Ratio Lower Upper
152 100
150 154.2 122.2 183.4
115 60.1 46.3 69.5



#2
1,4-Dioxane
Concen: 2.407 ng
RT: 3.034 min Scan# 8
Delta R.T. -0.259 min
Lab File: BM050228.D
Acq: 07 Jun 2025 00:41

Tgt Ion: 88 Resp: 21292
Ion Ratio Lower Upper
88 100
58 21.4 42.9 64.3#
43 1407.7 11.0 16.6#

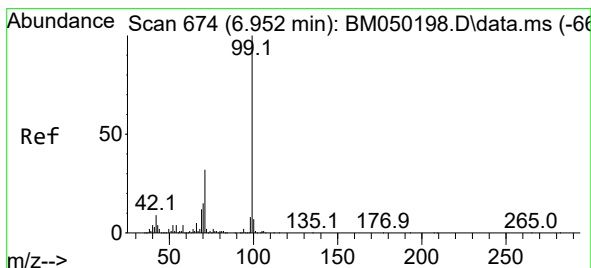
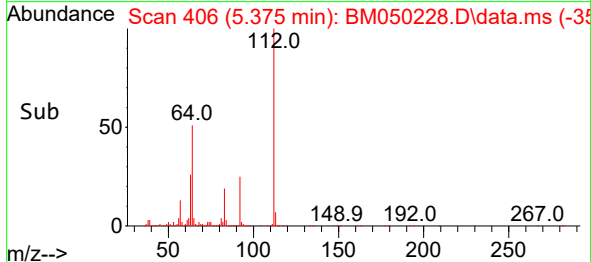
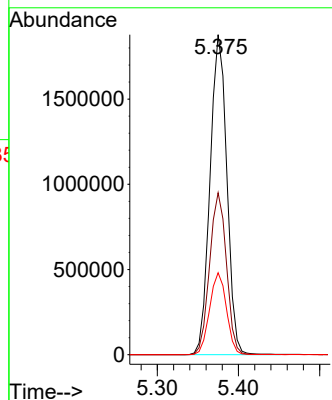
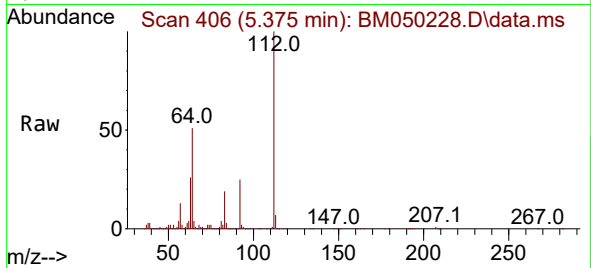




#5
2-Fluorophenol
Concen: 133.553 ng
RT: 5.375 min Scan# 405
Delta R.T. -0.000 min
Lab File: BM050228.D
Acq: 07 Jun 2025 00:41

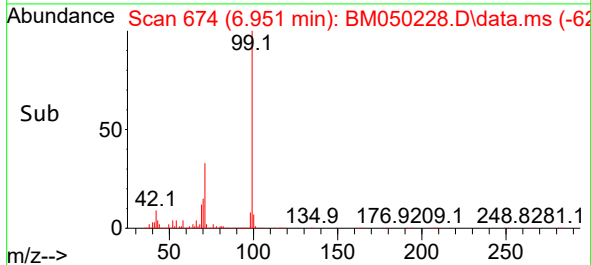
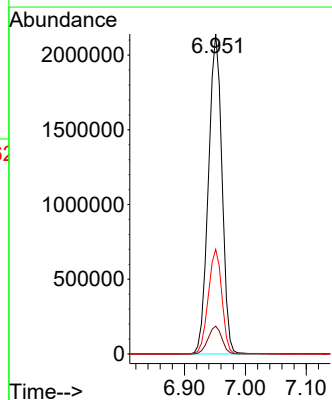
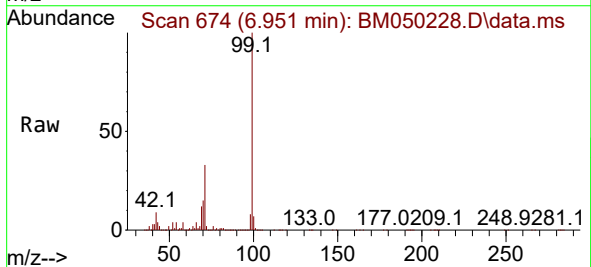
Instrument :
BNA_M
ClientSampleId :
BU-703-COMP-09

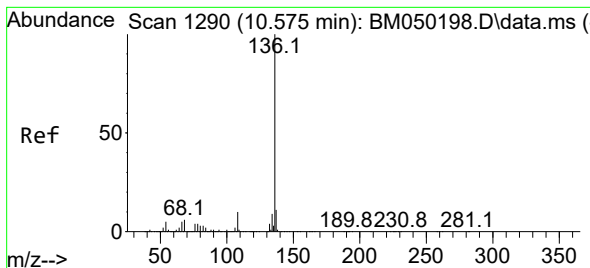
Tgt Ion:112 Resp: 2694754
Ion Ratio Lower Upper
112 100
64 50.6 39.8 59.6
63 25.6 19.8 29.8



#7
Phenol-d6
Concen: 124.729 ng
RT: 6.951 min Scan# 674
Delta R.T. -0.006 min
Lab File: BM050228.D
Acq: 07 Jun 2025 00:41

Tgt Ion: 99 Resp: 3313009
Ion Ratio Lower Upper
99 100
42 8.7 6.9 10.3
71 32.7 25.3 37.9

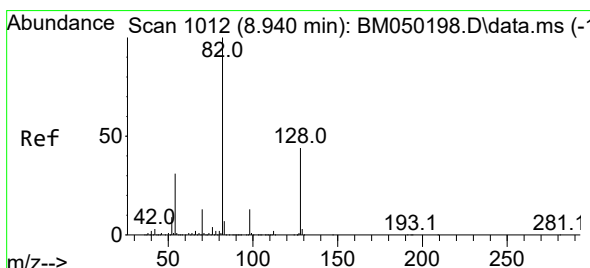
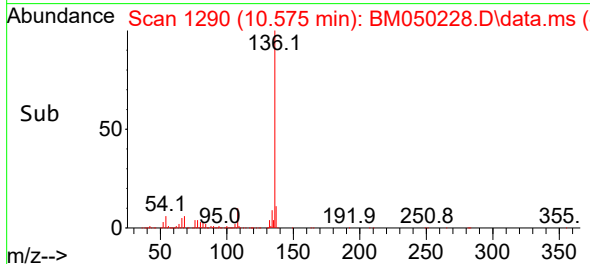
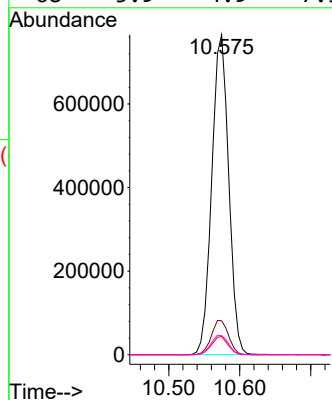
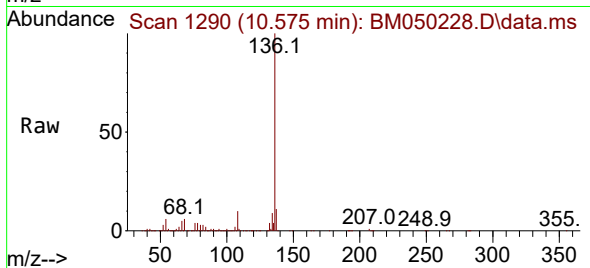




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050228.D
Acq: 07 Jun 2025 00:41

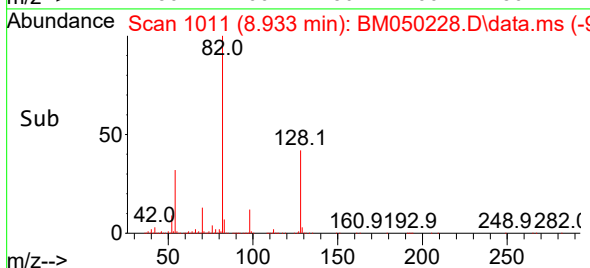
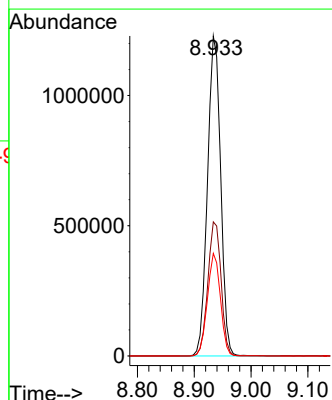
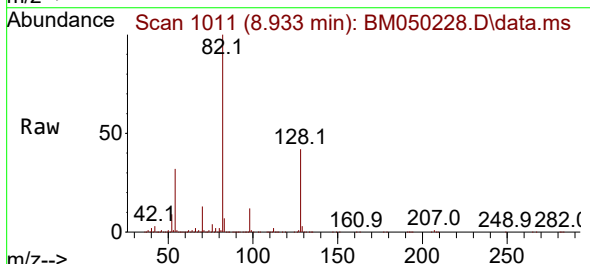
Instrument :
BNA_M
ClientSampleId :
BU-703-COMP-09

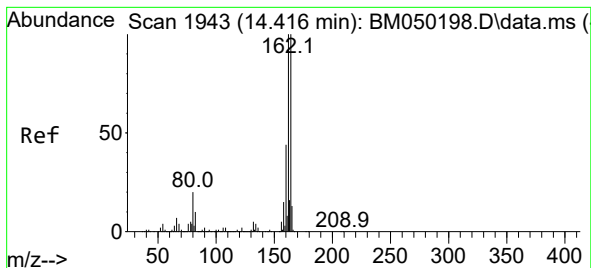
Tgt Ion:136 Resp: 1264819
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 5.6 3.8 5.8
68 5.9 4.9 7.3



#23
Nitrobenzene-d5
Concen: 81.040 ng
RT: 8.933 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BM050228.D
Acq: 07 Jun 2025 00:41

Tgt Ion: 82 Resp: 1970872
Ion Ratio Lower Upper
82 100
128 41.9 35.2 52.8
54 32.0 24.5 36.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.410 min Scan# 1942

Delta R.T. -0.006 min

Lab File: BM050228.D

Acq: 07 Jun 2025 00:41

Instrument :

BNA_M

ClientSampleId :

BU-703-COMP-09

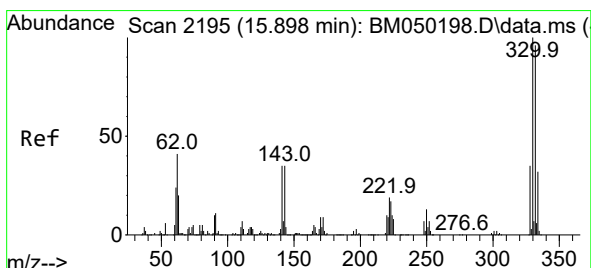
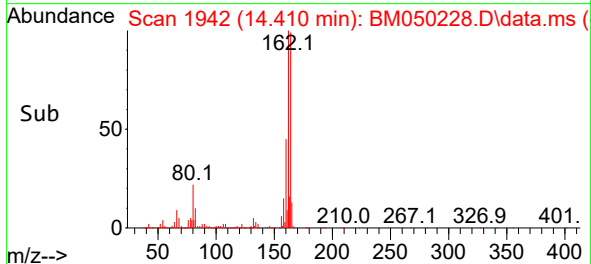
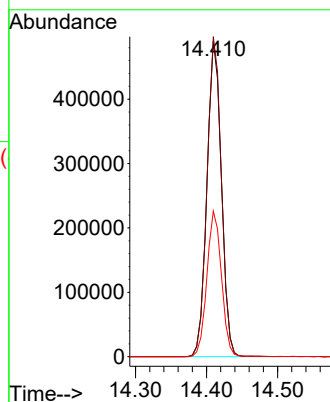
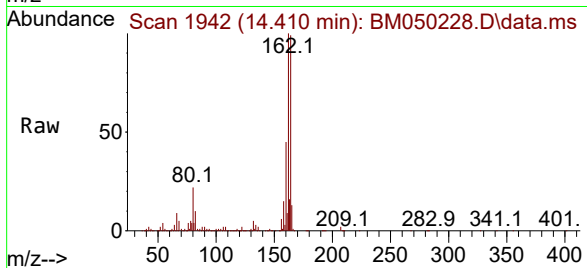
Tgt Ion:164 Resp: 694469

Ion Ratio Lower Upper

164 100

162 101.4 80.2 120.4

160 46.1 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 128.648 ng

RT: 15.892 min Scan# 2194

Delta R.T. -0.012 min

Lab File: BM050228.D

Acq: 07 Jun 2025 00:41

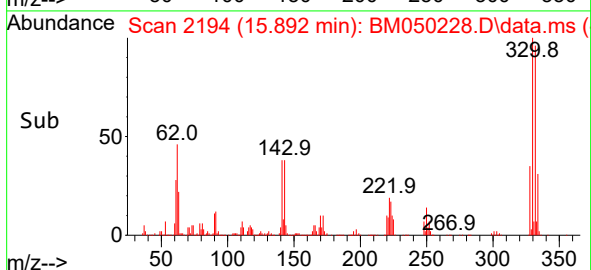
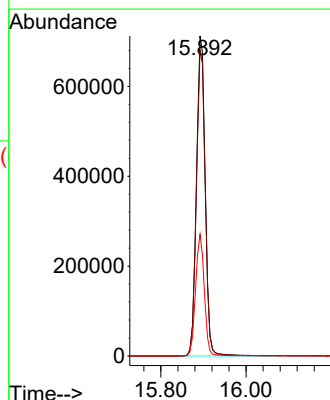
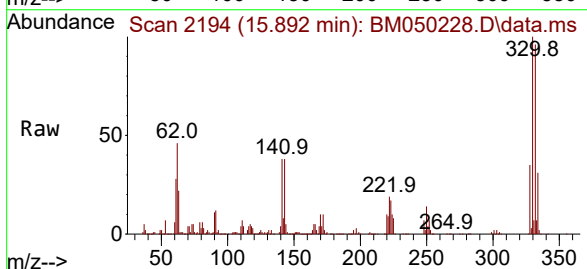
Tgt Ion:330 Resp: 1016202

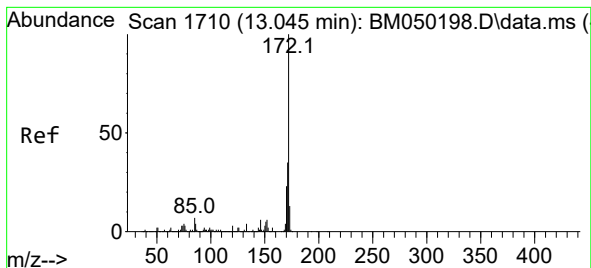
Ion Ratio Lower Upper

330 100

332 96.6 77.5 116.3

141 38.0 28.8 43.2





#45

2-Fluorobiphenyl

Concen: 75.925 ng

RT: 13.039 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM050228.D

Acq: 07 Jun 2025 00:41

Instrument :

BNA_M

ClientSampleId :

BU-703-COMP-09

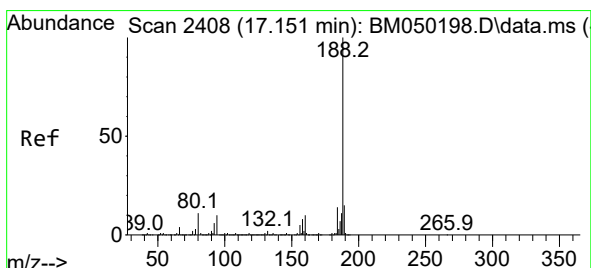
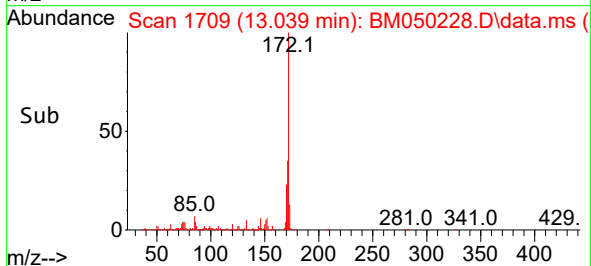
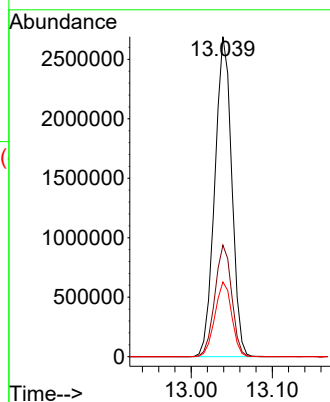
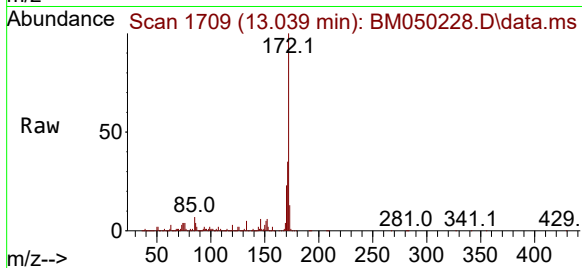
Tgt Ion:172 Resp: 3894633

Ion Ratio Lower Upper

172 100

171 34.9 27.8 41.6

170 23.4 18.6 27.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.145 min Scan# 2407

Delta R.T. -0.012 min

Lab File: BM050228.D

Acq: 07 Jun 2025 00:41

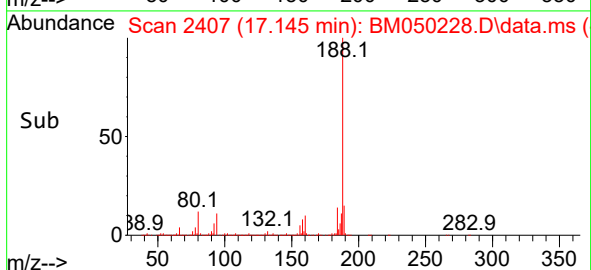
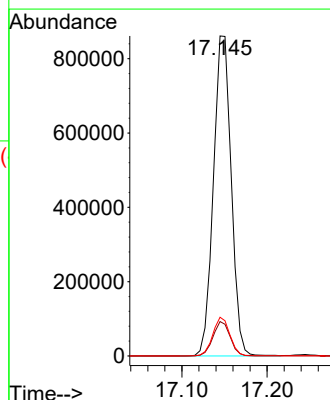
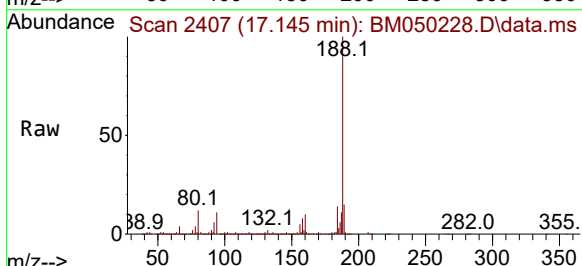
Tgt Ion:188 Resp: 1255659

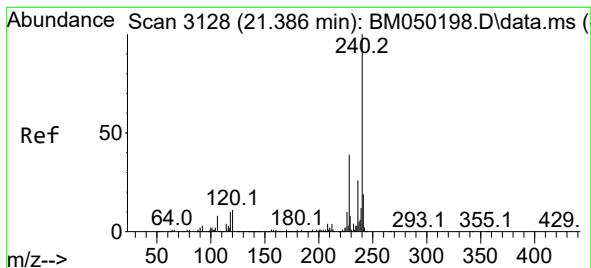
Ion Ratio Lower Upper

188 100

94 10.7 8.1 12.1

80 12.1 8.6 13.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.374 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM050228.D

Acq: 07 Jun 2025 00:41

Instrument :

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BU-703-COMP-09

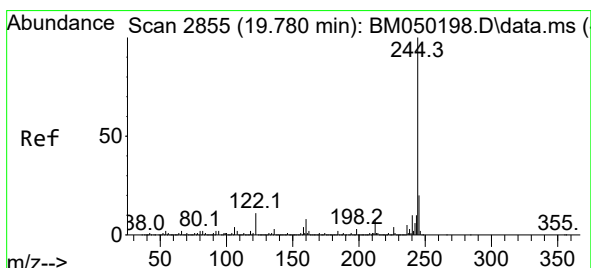
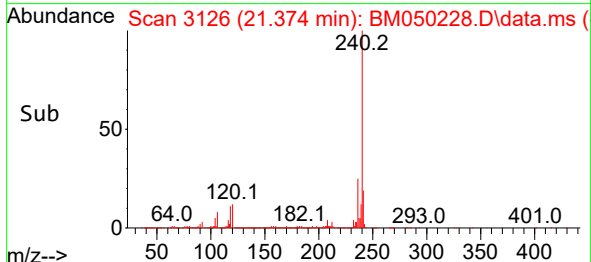
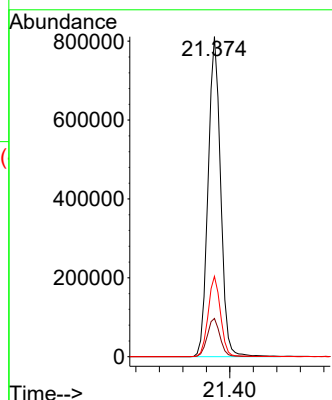
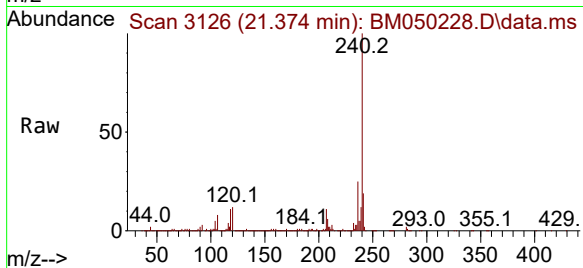
Tgt Ion:240 Resp: 1194833

Ion Ratio Lower Upper

240 100

120 11.9 9.0 13.4

236 25.1 20.7 31.1



#79

Terphenyl-d14

Concen: 83.052 ng

RT: 19.774 min Scan# 2854

Delta R.T. -0.012 min

Lab File: BM050228.D

Acq: 07 Jun 2025 00:41

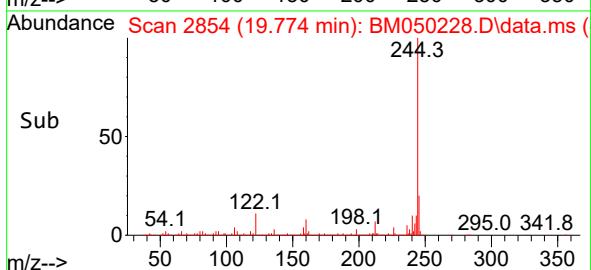
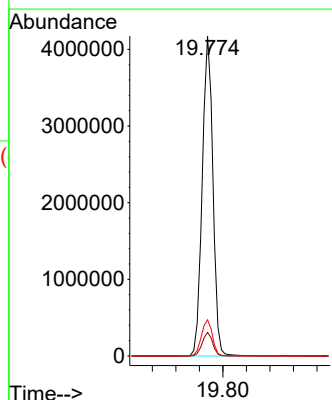
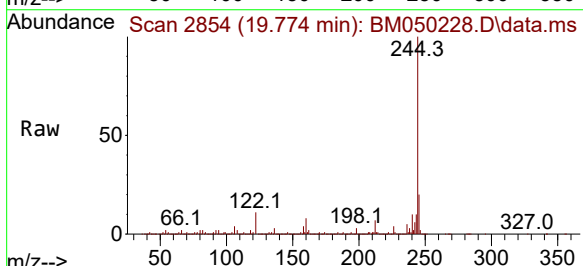
Tgt Ion:244 Resp: 5236495

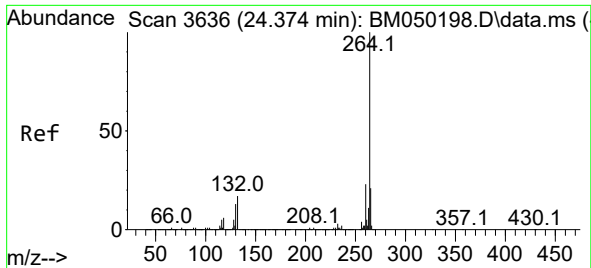
Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 11.3 8.6 12.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.356 min Scan# 30
 Delta R.T. -0.018 min
 Lab File: BM050228.D
 Acq: 07 Jun 2025 00:41

Instrument :
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Tgt Ion:264 Resp: 1260400
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.6 28.0
 265 21.7 16.8 25.2

