

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050925\
 Data File : BM050166.D
 Acq On : 09 May 2025 19:23
 Operator : RC/JU
 Sample : Q1983-24
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-636-COMP-04

Quant Time: May 09 23:37:33 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	7.740	152	377319	20.000	ng	-0.03
21) Naphthalene-d8	10.534	136	1379549	20.000	ng	-0.03
39) Acenaphthene-d10	14.392	164	955019	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	1851290	20.000	ng	-0.01
76) Chrysene-d12	21.392	240	1185731	20.000	ng	0.00
86) Perylene-d12	24.386	264	1090265	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	2681672	124.452	ng	-0.02
7) Phenol-d6	6.934	99	3114092	114.984	ng	-0.02
23) Nitrobenzene-d5	8.904	82	2204990	78.761	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	2062577	146.062	ng	-0.01
45) 2-Fluorobiphenyl	13.004	172	6039786	74.815	ng	-0.03
79) Terphenyl-d14	19.768	244	9233468	115.230	ng	-0.01

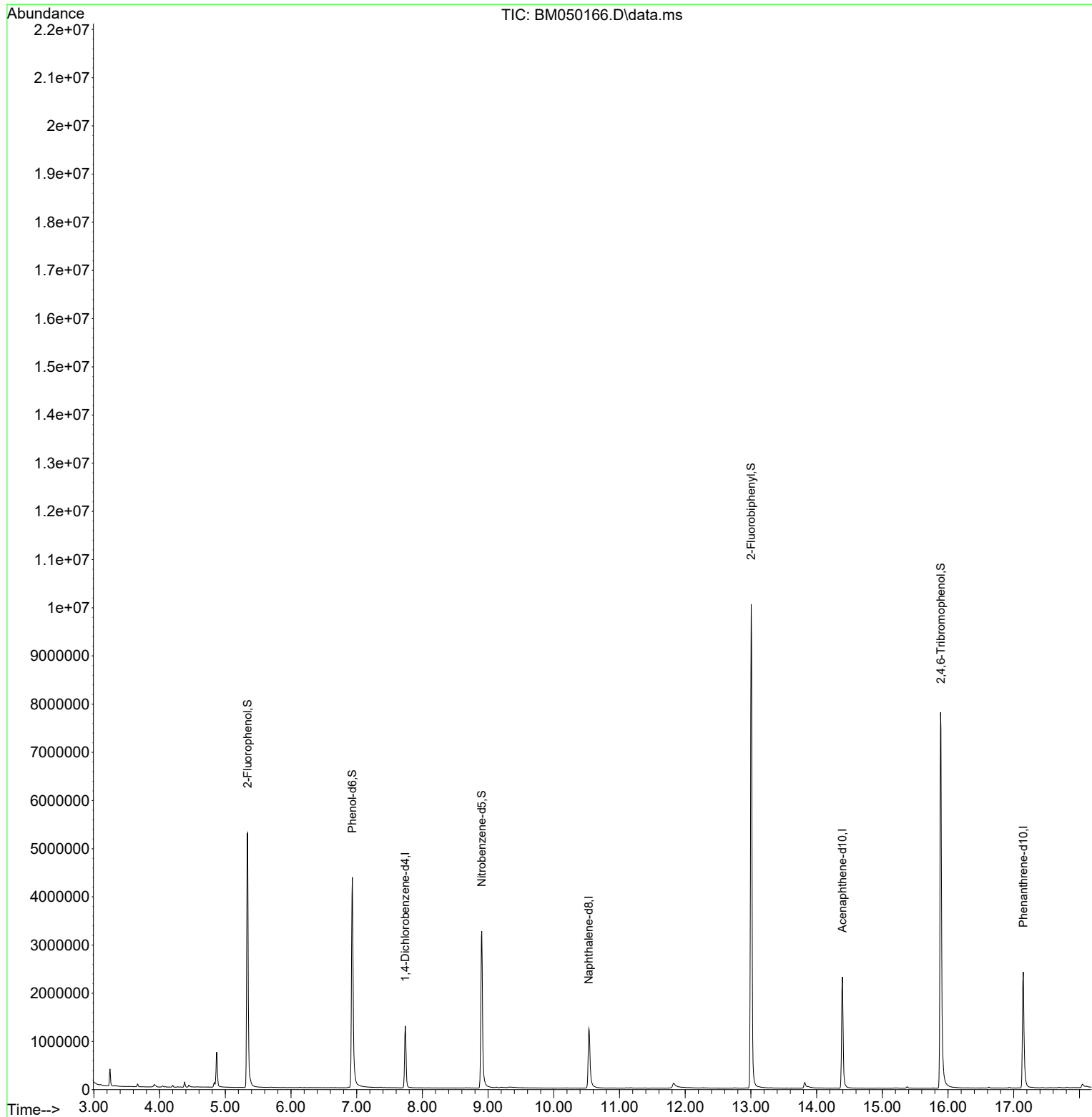
Target Compounds	Qvalue

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

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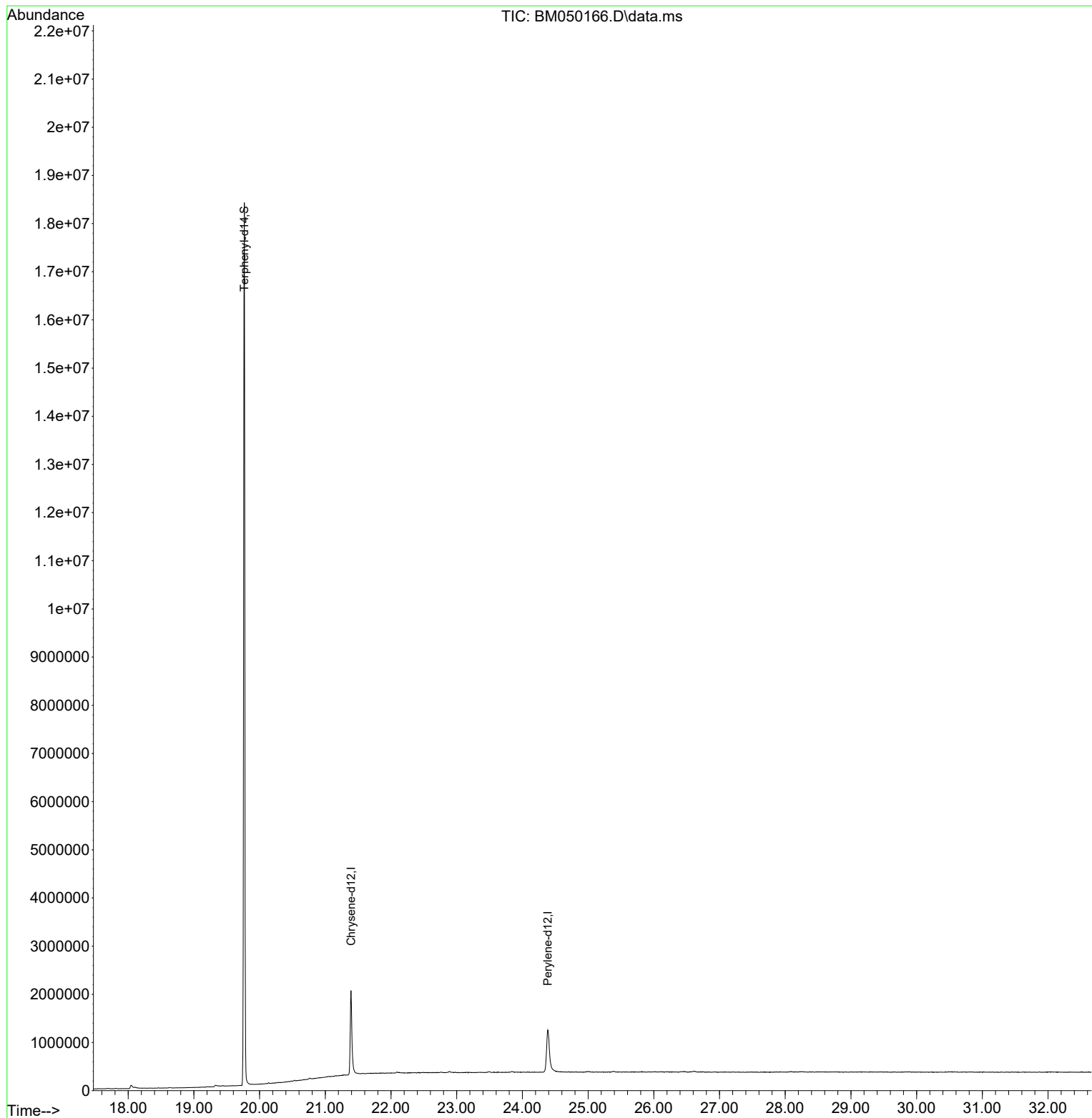
Quant Time: May 09 23:37:33 2025
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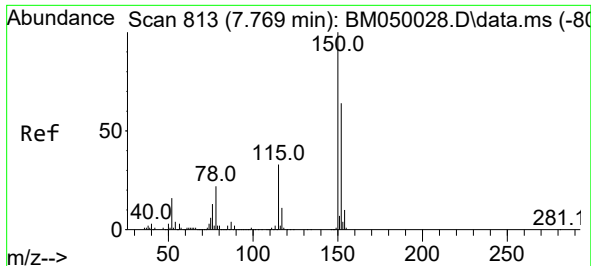


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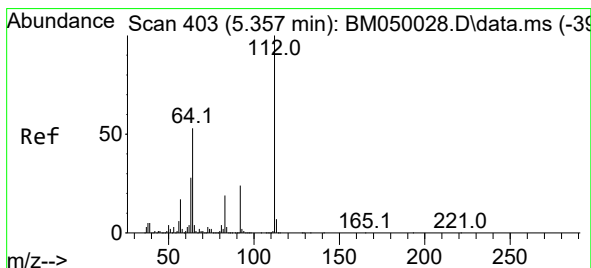
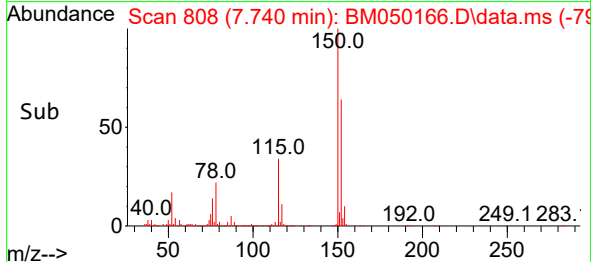
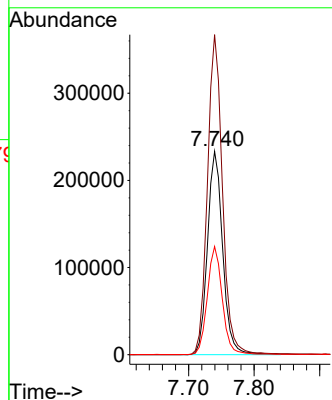
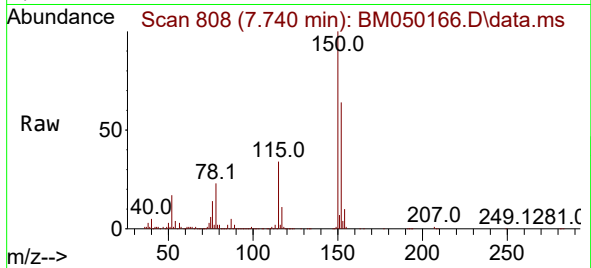




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 808
Delta R.T. -0.029 min
Lab File: BM050166.D
Acq: 09 May 2025 19:23

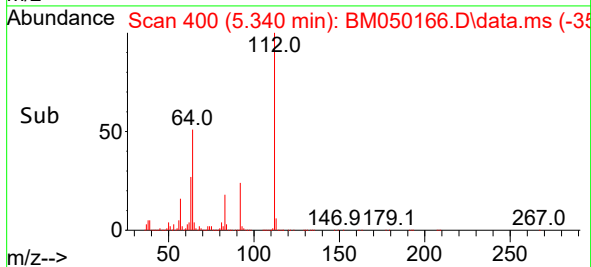
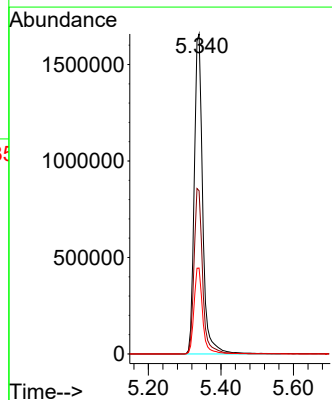
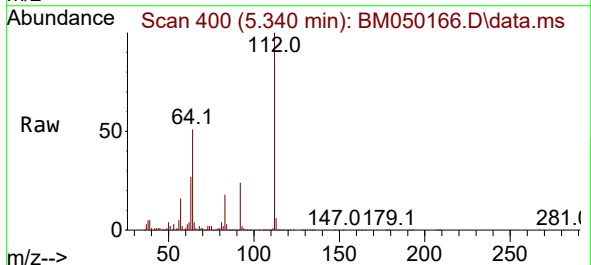
Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-04

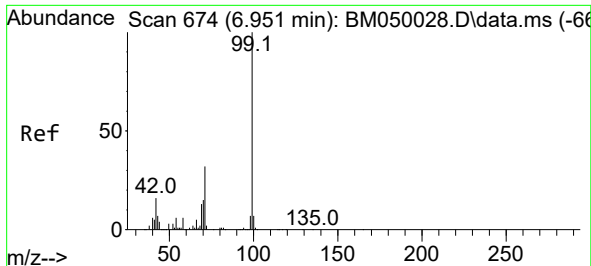
Tgt Ion:152 Resp: 377319
Ion Ratio Lower Upper
152 100
150 157.3 124.1 186.1
115 53.2 41.2 61.8



#5
2-Fluorophenol
Concen: 124.452 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050166.D
Acq: 09 May 2025 19:23

Tgt Ion:112 Resp: 2681672
Ion Ratio Lower Upper
112 100
64 51.0 42.6 64.0
63 26.9 22.2 33.4

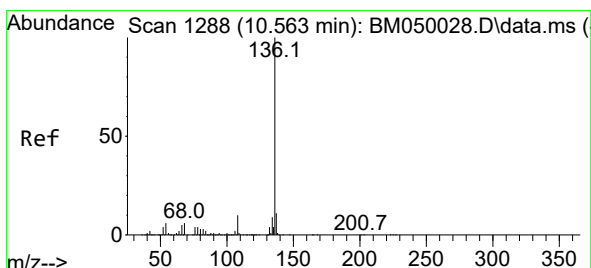
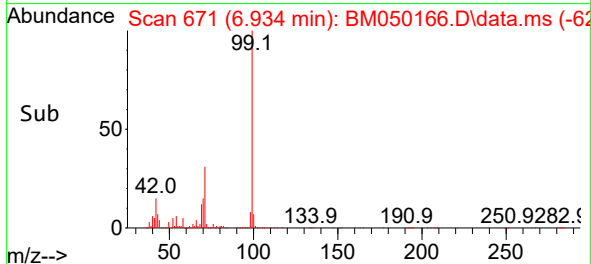
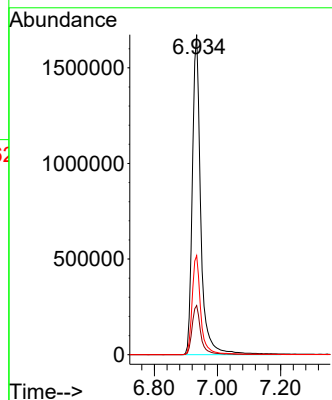
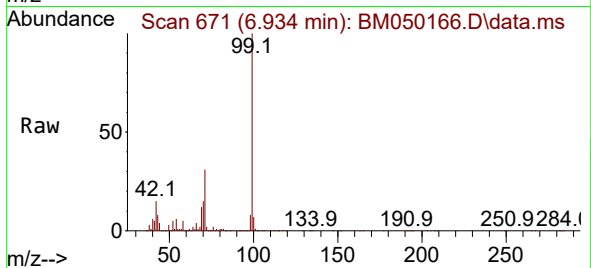




#7
Phenol-d6
Concen: 114.984 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050166.D
Acq: 09 May 2025 19:23

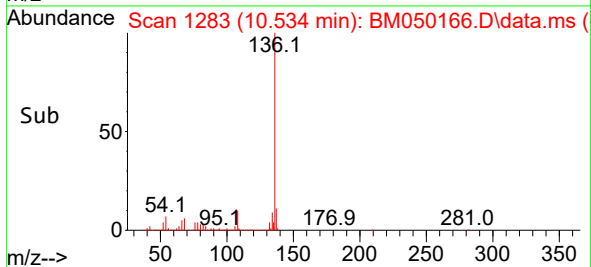
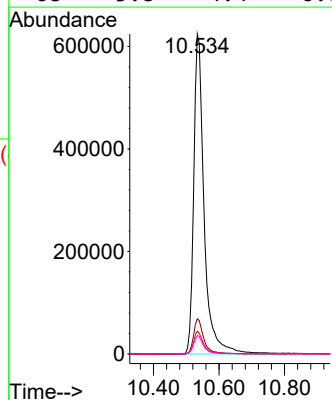
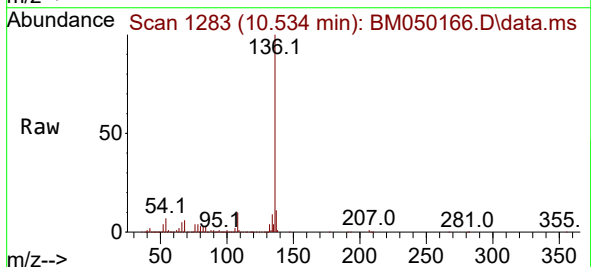
Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-04

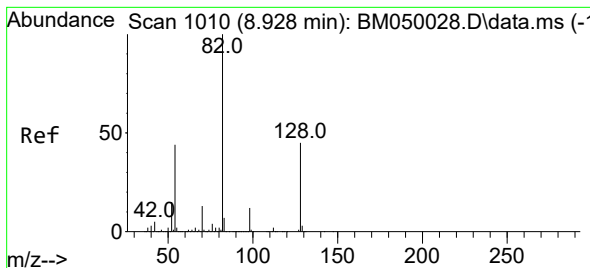
Tgt Ion: 99 Resp: 3114092
Ion Ratio Lower Upper
99 100
42 15.3 13.0 19.4
71 31.0 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1283
Delta R.T. -0.029 min
Lab File: BM050166.D
Acq: 09 May 2025 19:23

Tgt Ion: 136 Resp: 1379549
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.2 5.1 7.7
68 5.8 4.4 6.6

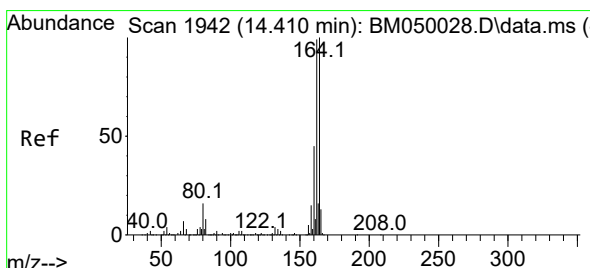
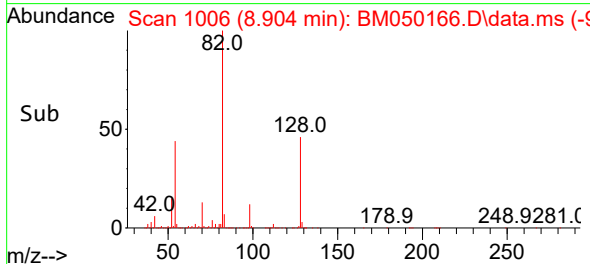
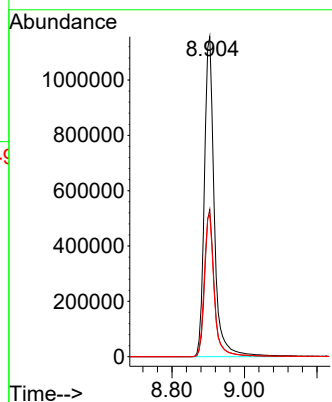
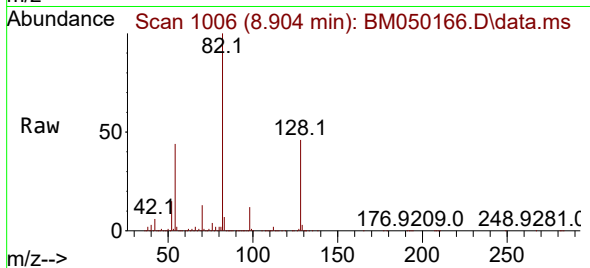




#23
Nitrobenzene-d5
Concen: 78.761 ng
RT: 8.904 min Scan# 1010
Delta R.T. -0.023 min
Lab File: BM050166.D
Acq: 09 May 2025 19:23

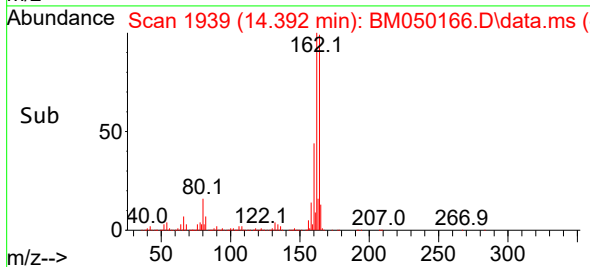
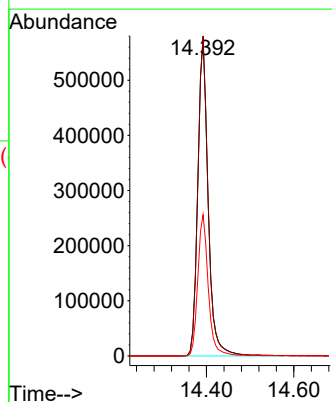
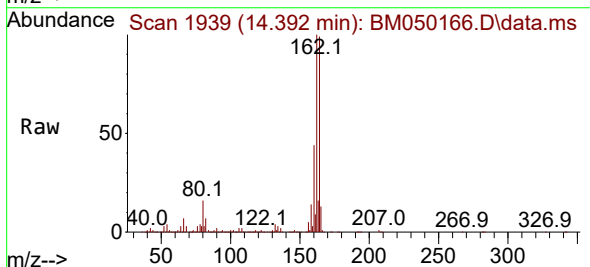
Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-04

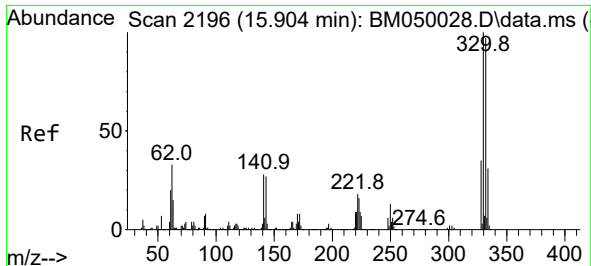
Tgt Ion: 82 Resp: 2204990
Ion Ratio Lower Upper
82 100
128 46.0 35.7 53.5
54 44.2 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050166.D
Acq: 09 May 2025 19:23

Tgt Ion: 164 Resp: 955019
Ion Ratio Lower Upper
164 100
162 101.1 79.4 119.0
160 44.6 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 146.062 ng

RT: 15.892 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050166.D

Acq: 09 May 2025 19:23

Instrument :

BNA_M

ClientSampleId :

OR-636-COMP-04

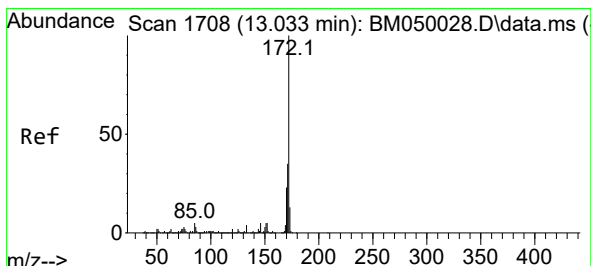
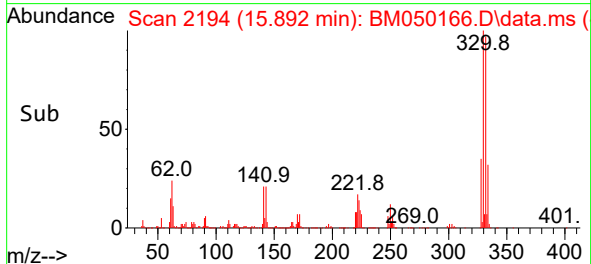
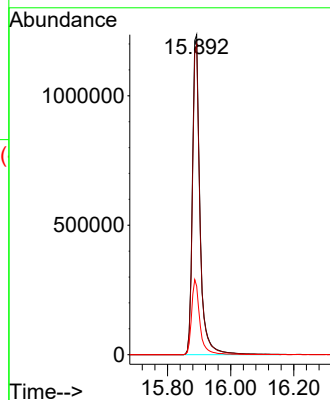
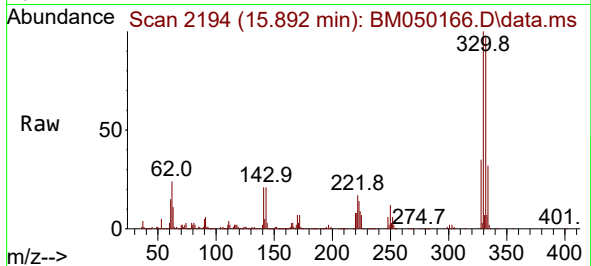
Tgt Ion:330 Resp: 2062577

Ion Ratio Lower Upper

330 100

332 96.3 77.3 115.9

141 25.7 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 74.815 ng

RT: 13.004 min Scan# 1703

Delta R.T. -0.029 min

Lab File: BM050166.D

Acq: 09 May 2025 19:23

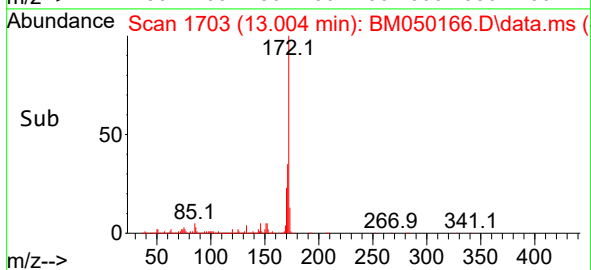
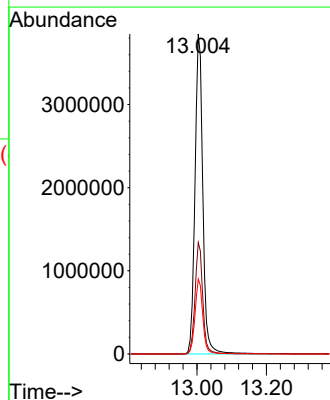
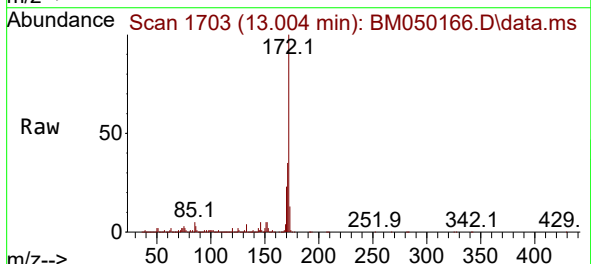
Tgt Ion:172 Resp: 6039786

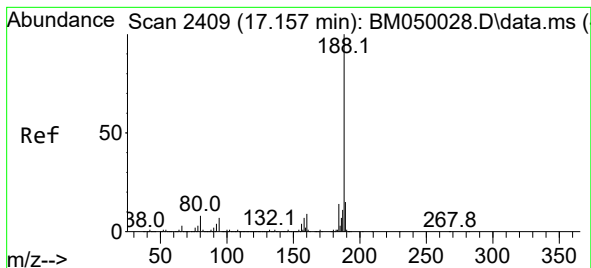
Ion Ratio Lower Upper

172 100

171 34.8 27.8 41.6

170 23.4 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.145 min Scan# 2407

Delta R.T. -0.012 min

Lab File: BM050166.D

Acq: 09 May 2025 19:23

Instrument :

BNA_M

ClientSampleId :

OR-636-COMP-04

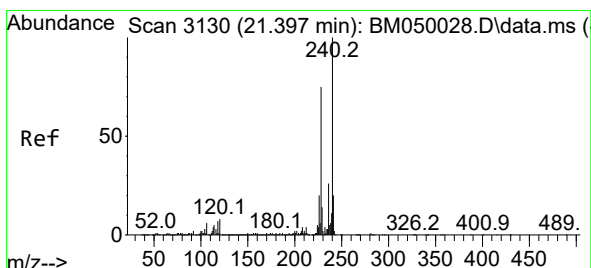
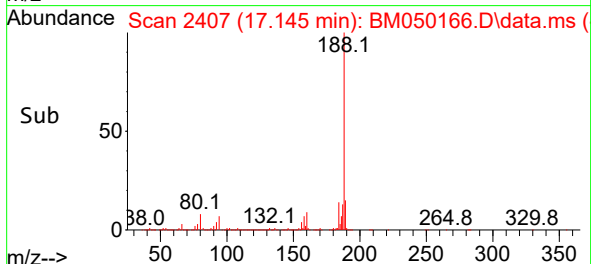
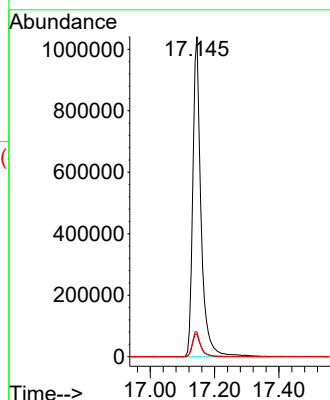
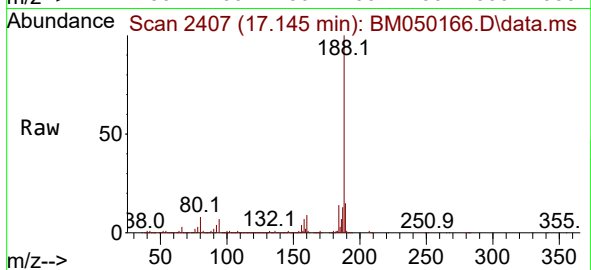
Tgt Ion:188 Resp: 1851290

Ion Ratio Lower Upper

188 100

94 7.2 5.7 8.5

80 7.7 6.2 9.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.392 min Scan# 3129

Delta R.T. -0.005 min

Lab File: BM050166.D

Acq: 09 May 2025 19:23

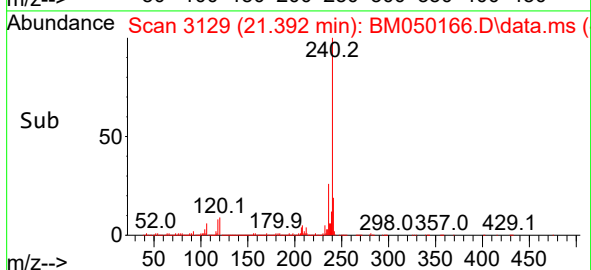
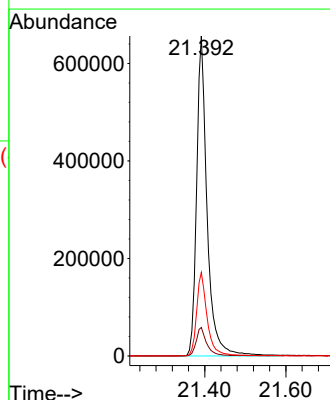
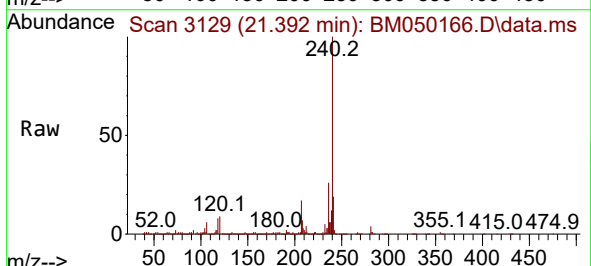
Tgt Ion:240 Resp: 1185731

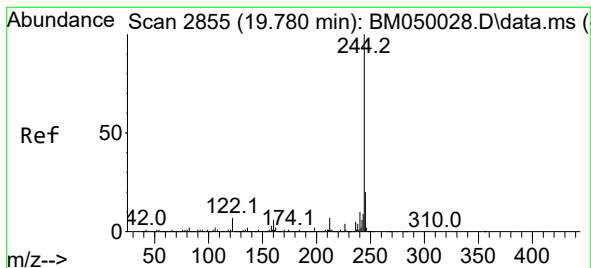
Ion Ratio Lower Upper

240 100

120 8.9 6.5 9.7

236 26.1 20.9 31.3





#79

Terphenyl-d14

Concen: 115.230 ng

RT: 19.768 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050166.D

Acq: 09 May 2025 19:23

Instrument :

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OR-636-COMP-04

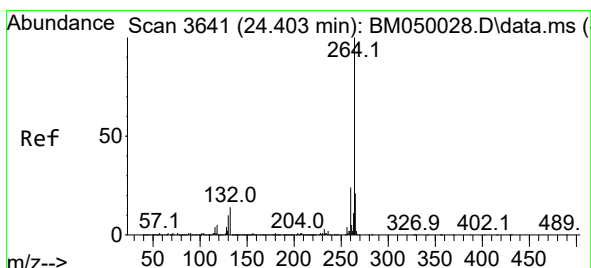
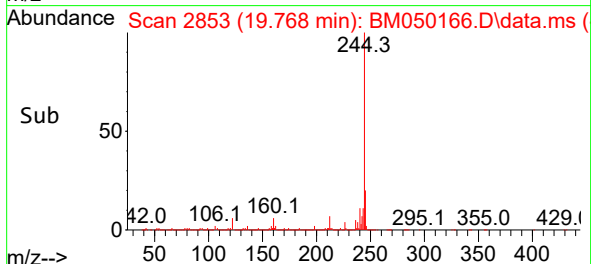
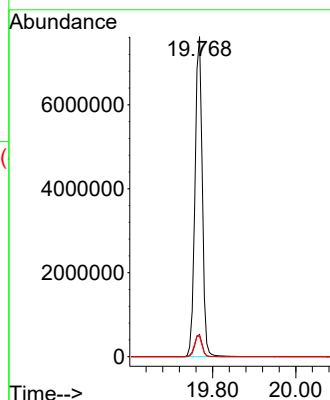
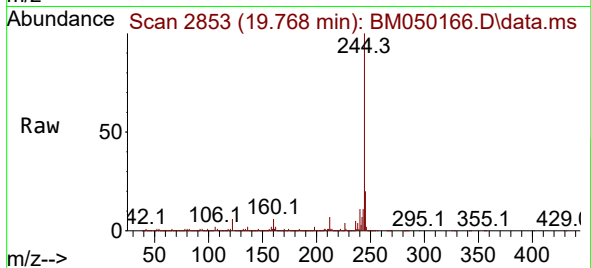
Tgt Ion:244 Resp: 9233468

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 6.3 5.6 8.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.386 min Scan# 3638

Delta R.T. -0.018 min

Lab File: BM050166.D

Acq: 09 May 2025 19:23

Tgt Ion:264 Resp: 1090265

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 21.5 17.0 25.4

