

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
 Data File : BM050048.D
 Acq On : 30 Apr 2025 16:44
 Operator : RC/JU
 Sample : Q1883-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OU4-PCS-TC-31-042325

Quant Time: Apr 30 17:25:49 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)

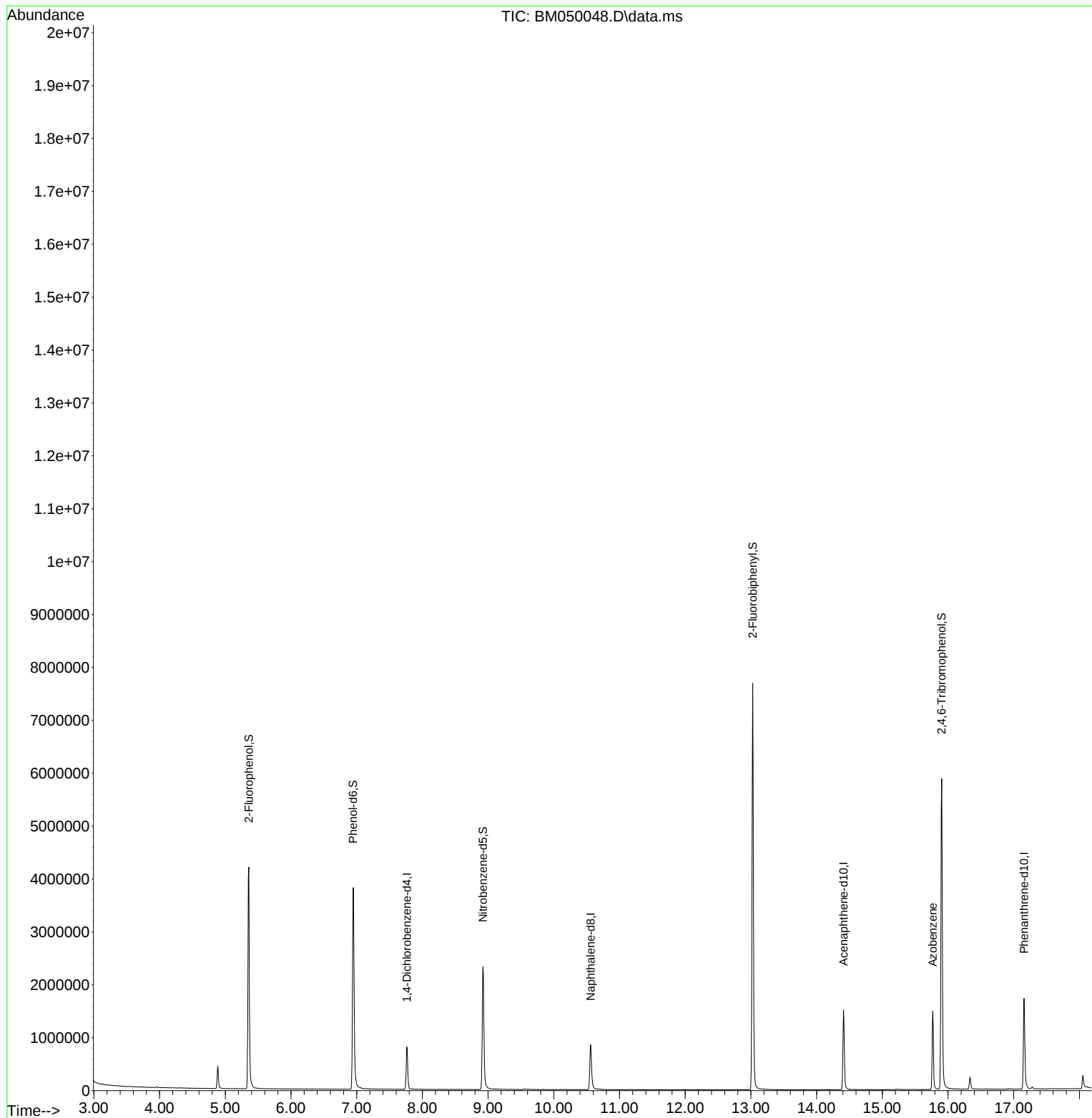
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	239985	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	850535	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	585821	20.000	ng	0.00
64) Phenanthrene-d10	17.156	188	1150756	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1103348	20.000	ng	0.00
86) Perylene-d12	24.397	264	1198598	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1961010	143.087	ng	0.00
7) Phenol-d6	6.945	99	2511498	145.802	ng	0.00
23) Nitrobenzene-d5	8.922	82	1499157	86.855	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1299808	150.056	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	4228163	85.382	ng	0.00
79) Terphenyl-d14	19.780	244	7573310	101.569	ng	0.00
Target Compounds						
63) Azobenzene	15.768	77	420478	12.437	ng	Qvalue # 1

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

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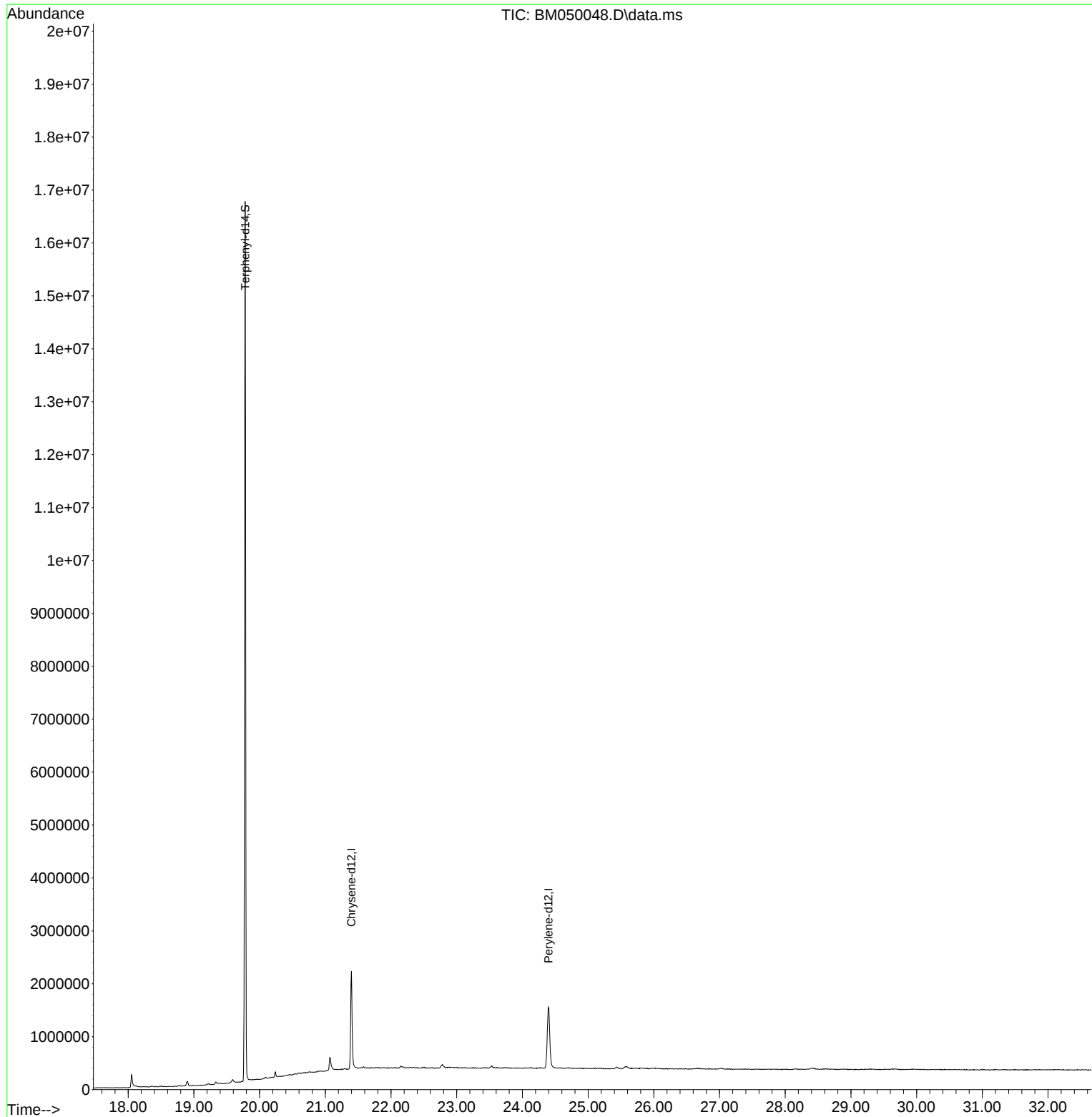
Quant Time: Apr 30 17:25:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
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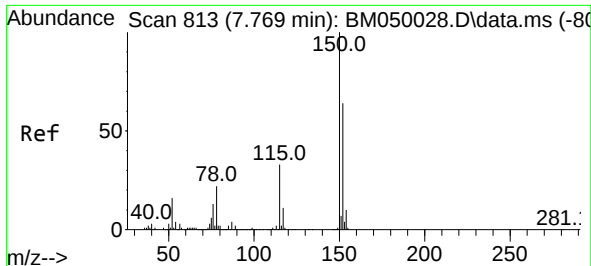


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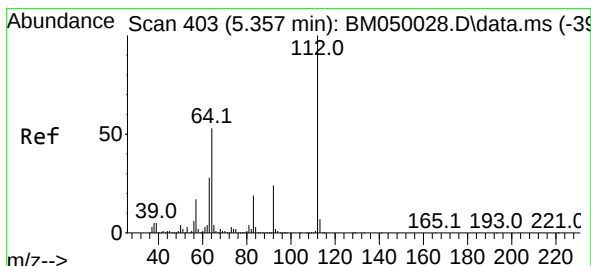
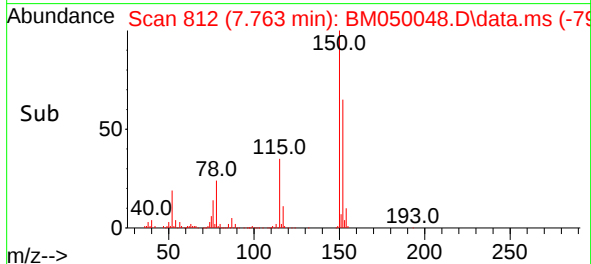
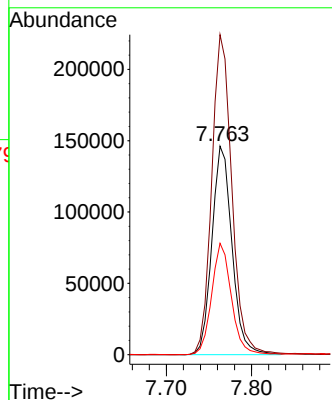
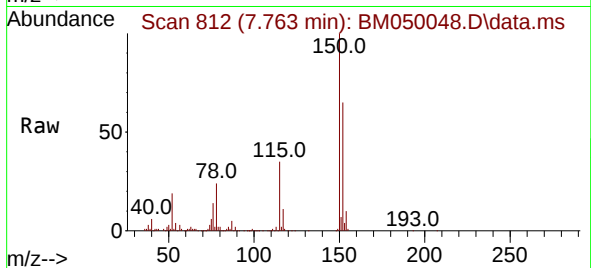




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 813
Delta R.T. -0.006 min
Lab File: BM050048.D
Acq: 30 Apr 2025 16:44

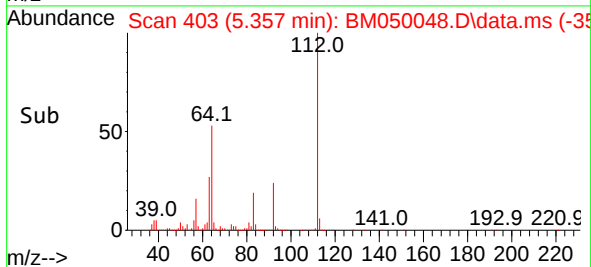
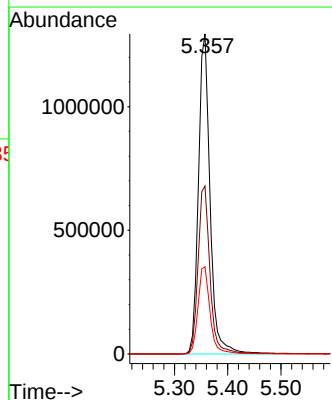
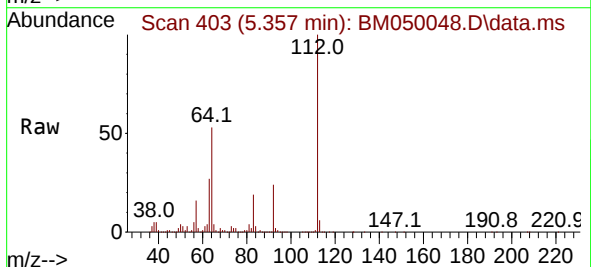
Instrument :
BNA_M
ClientSampleId :
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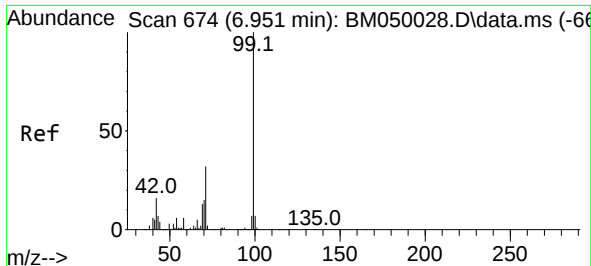
Tgt Ion:152 Resp: 239985
Ion Ratio Lower Upper
152 100
150 153.5 124.1 186.1
115 53.4 41.2 61.8



#5
2-Fluorophenol
Concen: 143.087 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.000 min
Lab File: BM050048.D
Acq: 30 Apr 2025 16:44

Tgt Ion:112 Resp: 1961010
Ion Ratio Lower Upper
112 100
64 52.5 42.6 64.0
63 27.3 22.2 33.4

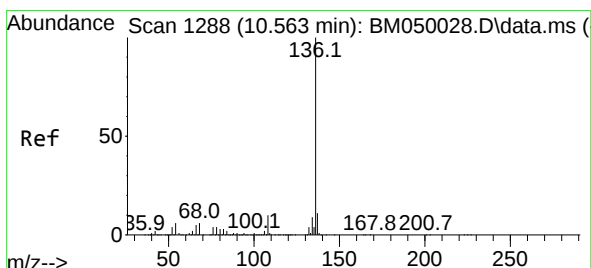
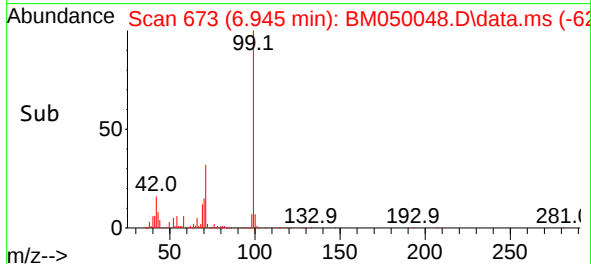
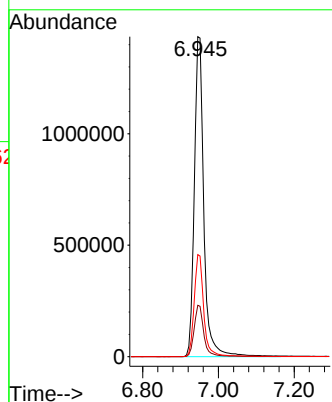
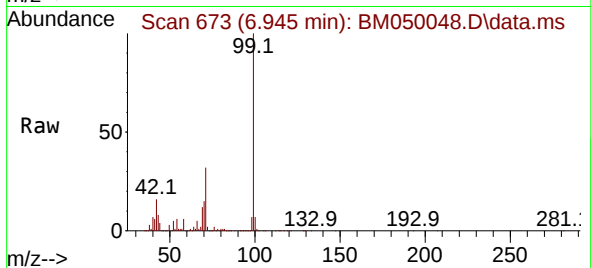




#7
Phenol-d6
Concen: 145.802 ng
RT: 6.945 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050048.D
Acq: 30 Apr 2025 16:44

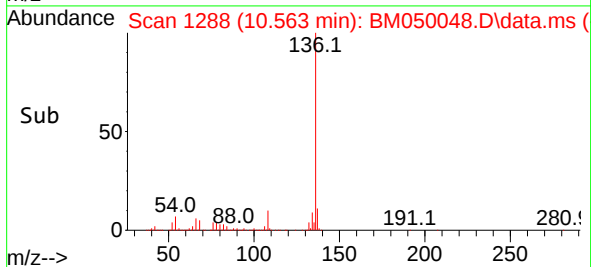
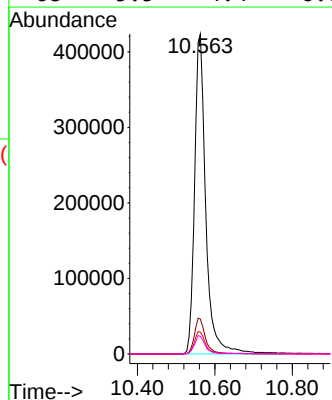
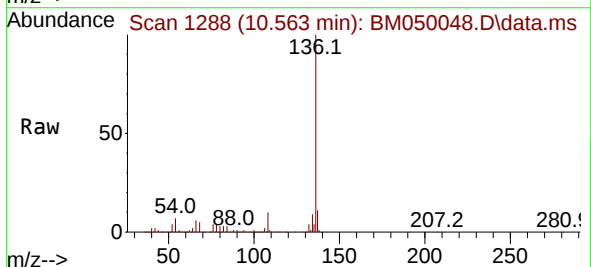
Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-31-042325

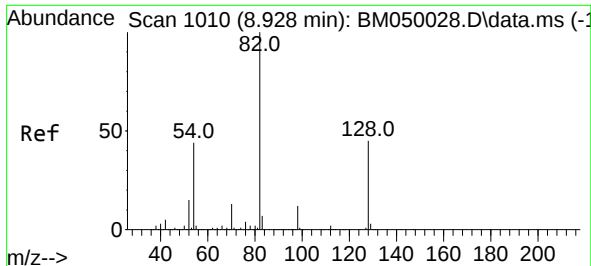
Tgt Ion: 99 Resp: 2511498
Ion Ratio Lower Upper
99 100
42 16.1 13.0 19.4
71 31.9 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BM050048.D
Acq: 30 Apr 2025 16:44

Tgt Ion: 136 Resp: 850535
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.8 5.1 7.7
68 5.5 4.4 6.6

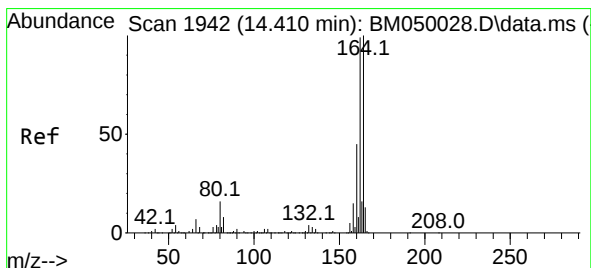
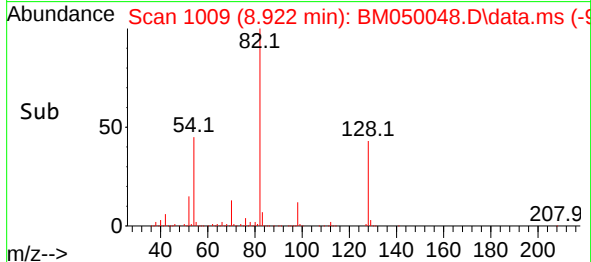
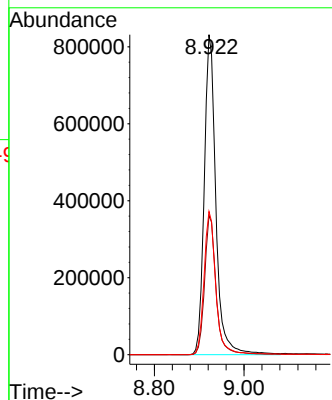
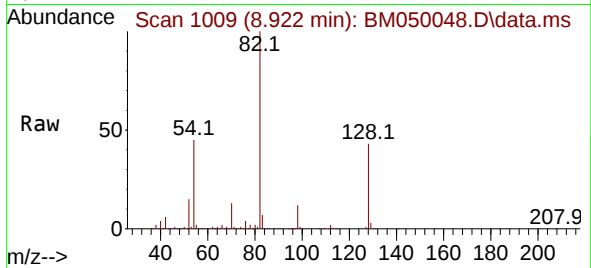




#23
Nitrobenzene-d5
Concen: 86.855 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BM050048.D
Acq: 30 Apr 2025 16:44

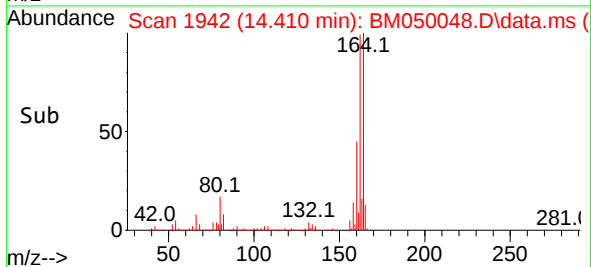
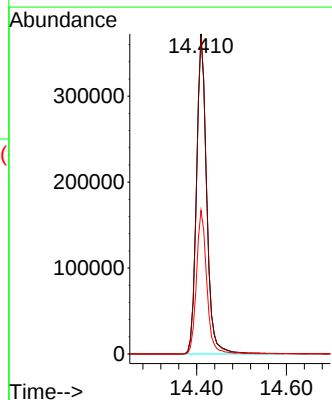
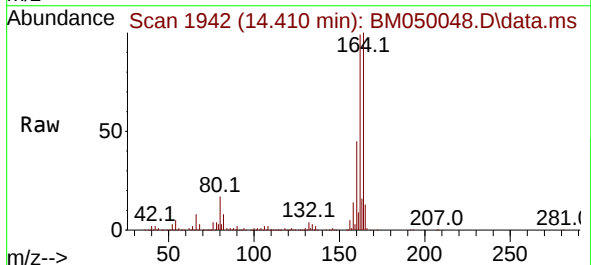
Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-31-042325

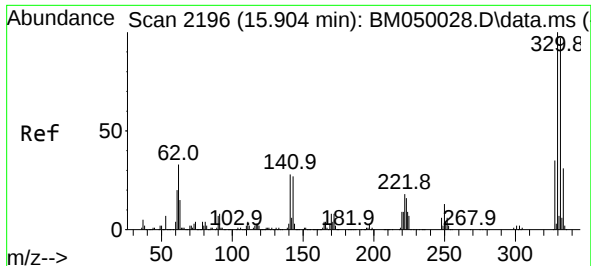
Tgt Ion: 82 Resp: 1499157
Ion Ratio Lower Upper
82 100
128 43.5 35.7 53.5
54 44.8 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM050048.D
Acq: 30 Apr 2025 16:44

Tgt Ion:164 Resp: 585821
Ion Ratio Lower Upper
164 100
162 99.3 79.4 119.0
160 44.8 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 150.056 ng

RT: 15.904 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM050048.D

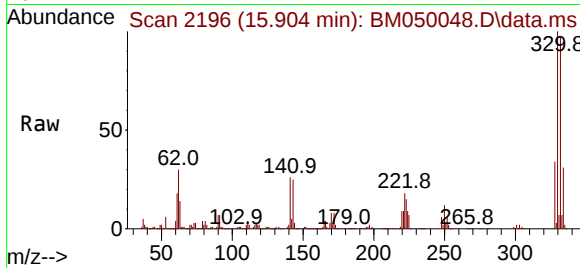
Acq: 30 Apr 2025 16:44

Instrument :

BNA_M

ClientSampleId :

OU4-PCS-TC-31-042325



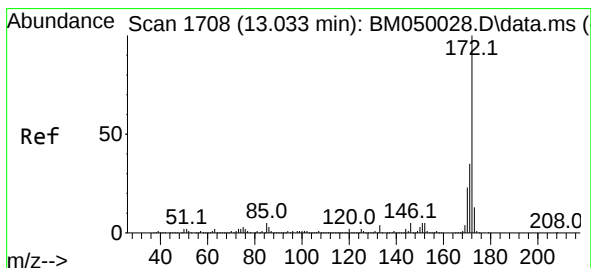
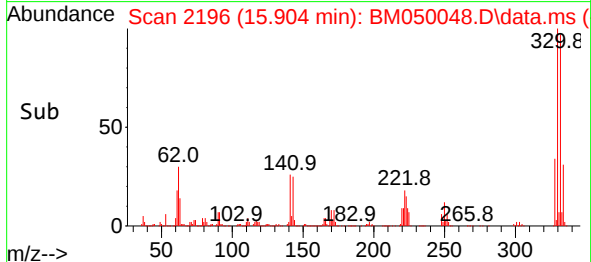
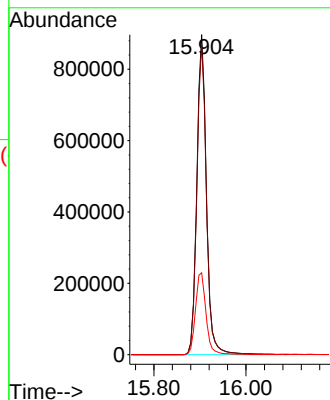
Tgt Ion:330 Resp: 1299808

Ion Ratio Lower Upper

330 100

332 96.8 77.3 115.9

141 28.2 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 85.382 ng

RT: 13.027 min Scan# 1707

Delta R.T. -0.006 min

Lab File: BM050048.D

Acq: 30 Apr 2025 16:44

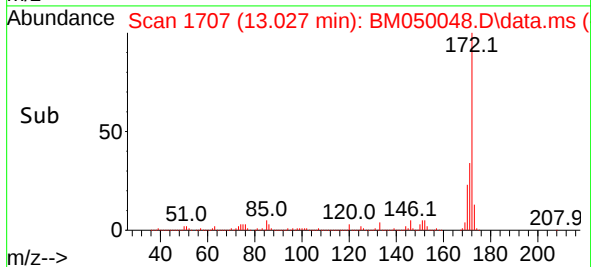
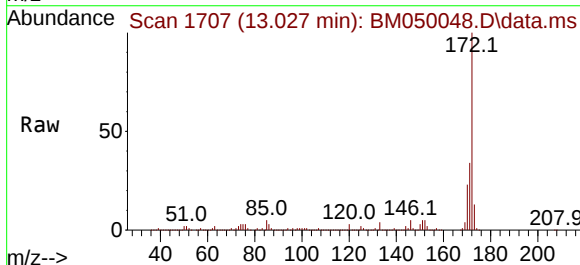
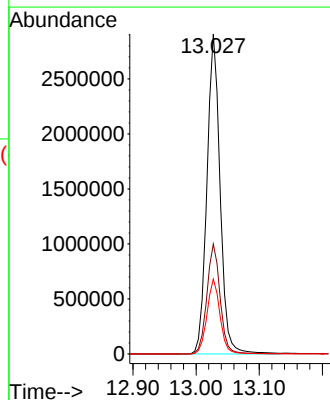
Tgt Ion:172 Resp: 4228163

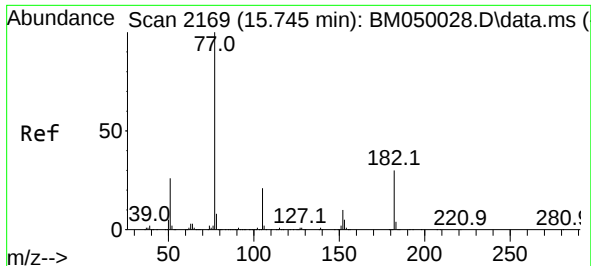
Ion Ratio Lower Upper

172 100

171 34.4 27.8 41.6

170 23.4 18.6 28.0

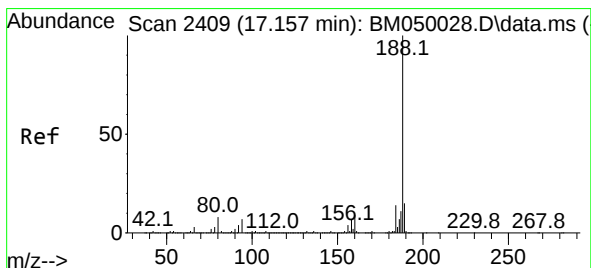
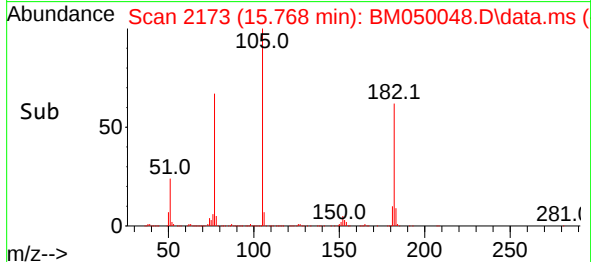
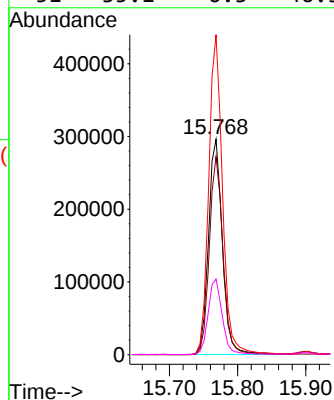
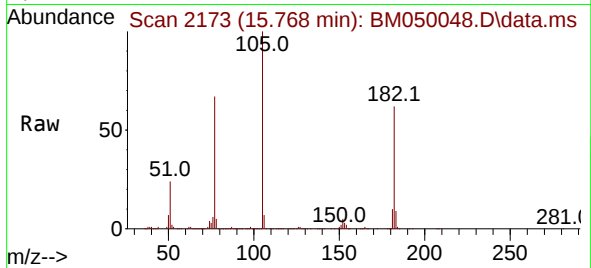




#63
Azobenzene
Concen: 12.437 ng
RT: 15.768 min Scan# 2169
Delta R.T. 0.023 min
Lab File: BM050048.D
Acq: 30 Apr 2025 16:44

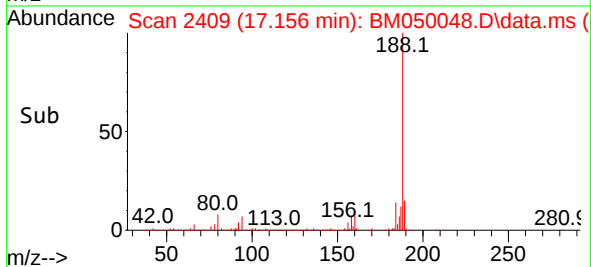
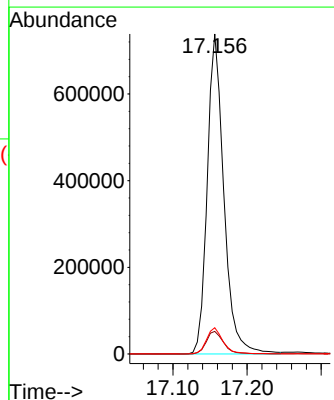
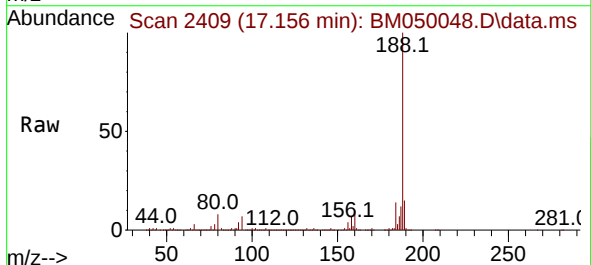
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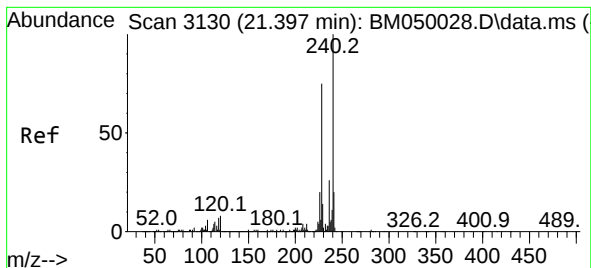
Tgt Ion: 77 Resp: 420478
Ion Ratio Lower Upper
77 100
182 92.0 10.5 50.5#
105 148.6 1.1 41.1#
51 35.1 6.3 46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 2409
Delta R.T. -0.001 min
Lab File: BM050048.D
Acq: 30 Apr 2025 16:44

Tgt Ion: 188 Resp: 1150756
Ion Ratio Lower Upper
188 100
94 7.0 5.7 8.5
80 8.2 6.2 9.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.397 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM050048.D

Acq: 30 Apr 2025 16:44

Instrument :

BNA_M

ClientSampleId :

OU4-PCS-TC-31-042325

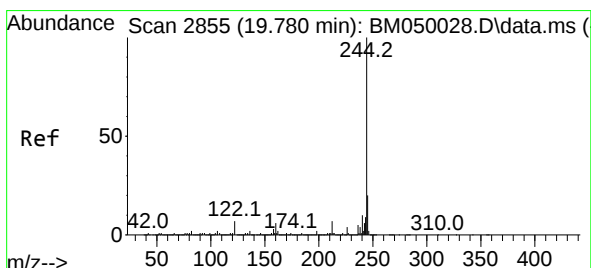
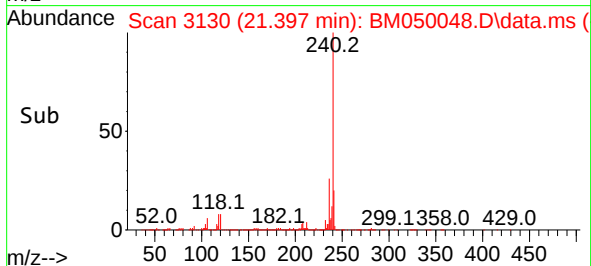
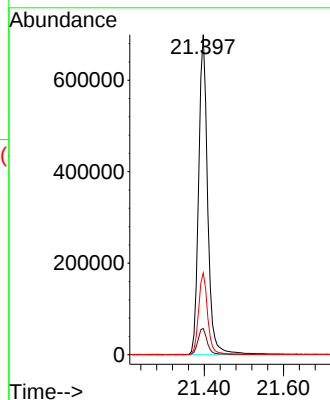
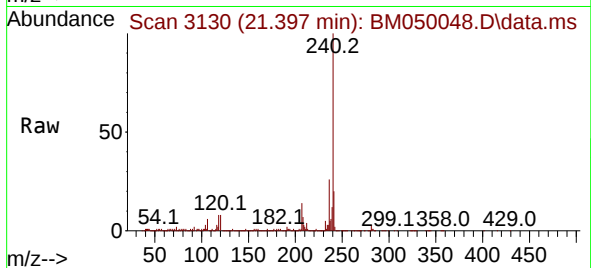
Tgt Ion:240 Resp: 1103348

Ion Ratio Lower Upper

240 100

120 8.2 6.5 9.7

236 25.6 20.9 31.3



#79

Terphenyl-d14

Concen: 101.569 ng

RT: 19.780 min Scan# 2855

Delta R.T. -0.000 min

Lab File: BM050048.D

Acq: 30 Apr 2025 16:44

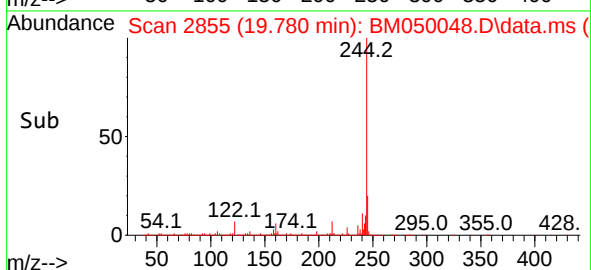
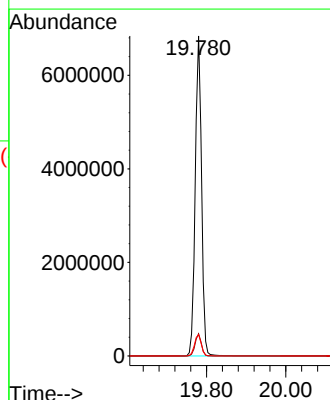
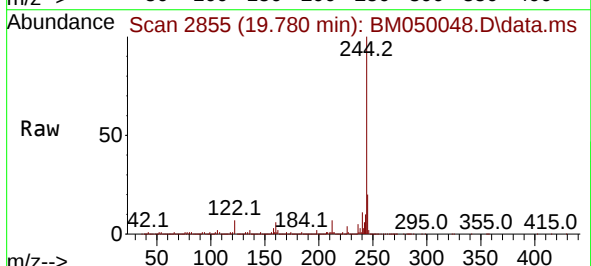
Tgt Ion:244 Resp: 7573310

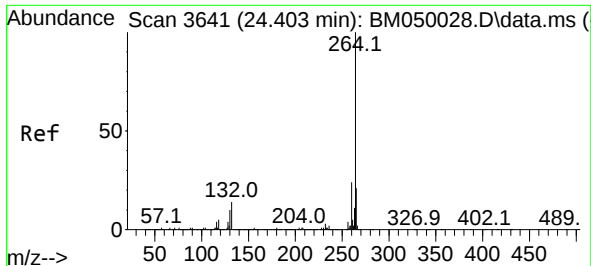
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 6.7 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.397 min Scan# 30
 Delta R.T. -0.006 min
 Lab File: BM050048.D
 Acq: 30 Apr 2025 16:44

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Tgt Ion:264 Resp: 1198598
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.8 28.2
 265 22.1 17.0 25.4

