

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040125\
 Data File : BM049778.D
 Acq On : 01 Apr 2025 17:27
 Operator : RC/JU
 Sample : Q1632-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PIER-1-2

Quant Time: Apr 01 18:01:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 13 14:55:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.792	152	276000	20.000	ng	-0.01
21) Naphthalene-d8	10.586	136	944407	20.000	ng	-0.02
39) Acenaphthene-d10	14.433	164	612534	20.000	ng	-0.01
64) Phenanthrene-d10	17.174	188	1131243	20.000	ng	-0.01
76) Chrysene-d12	21.403	240	854565	20.000	ng	-0.02
86) Perylene-d12	24.409	264	783643	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	1446796	88.450	ng	-0.01
7) Phenol-d6	6.963	99	2219832	108.139	ng	-0.02
23) Nitrobenzene-d5	8.945	82	1405789	76.424	ng	-0.02
42) 2,4,6-Tribromophenol	15.921	330	532761	74.485	ng	-0.01
45) 2-Fluorobiphenyl	13.057	172	3909427	79.932	ng	-0.01
79) Terphenyl-d14	19.797	244	5293248	104.378	ng	-0.01

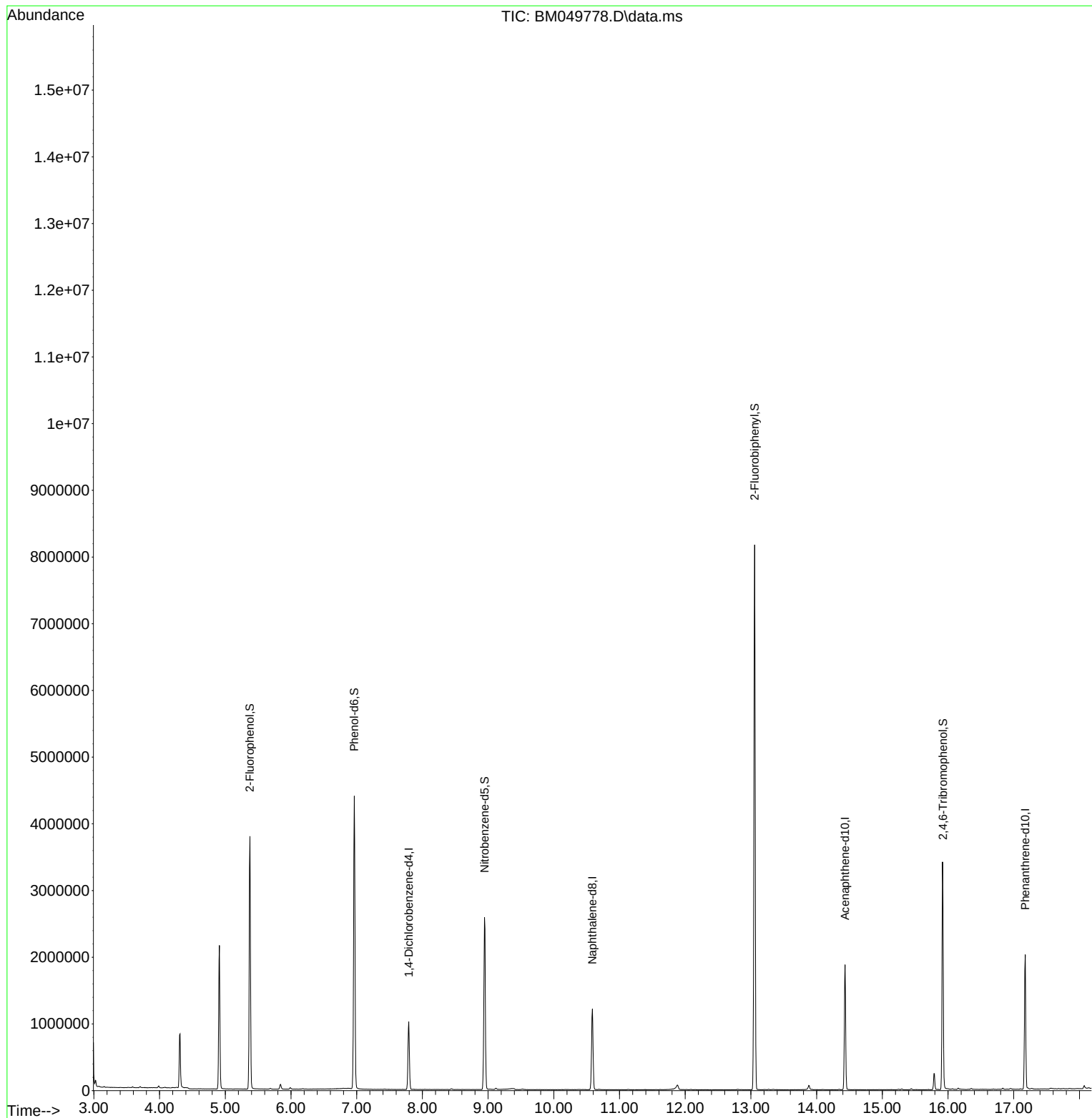
Target Compounds	Qvalue

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

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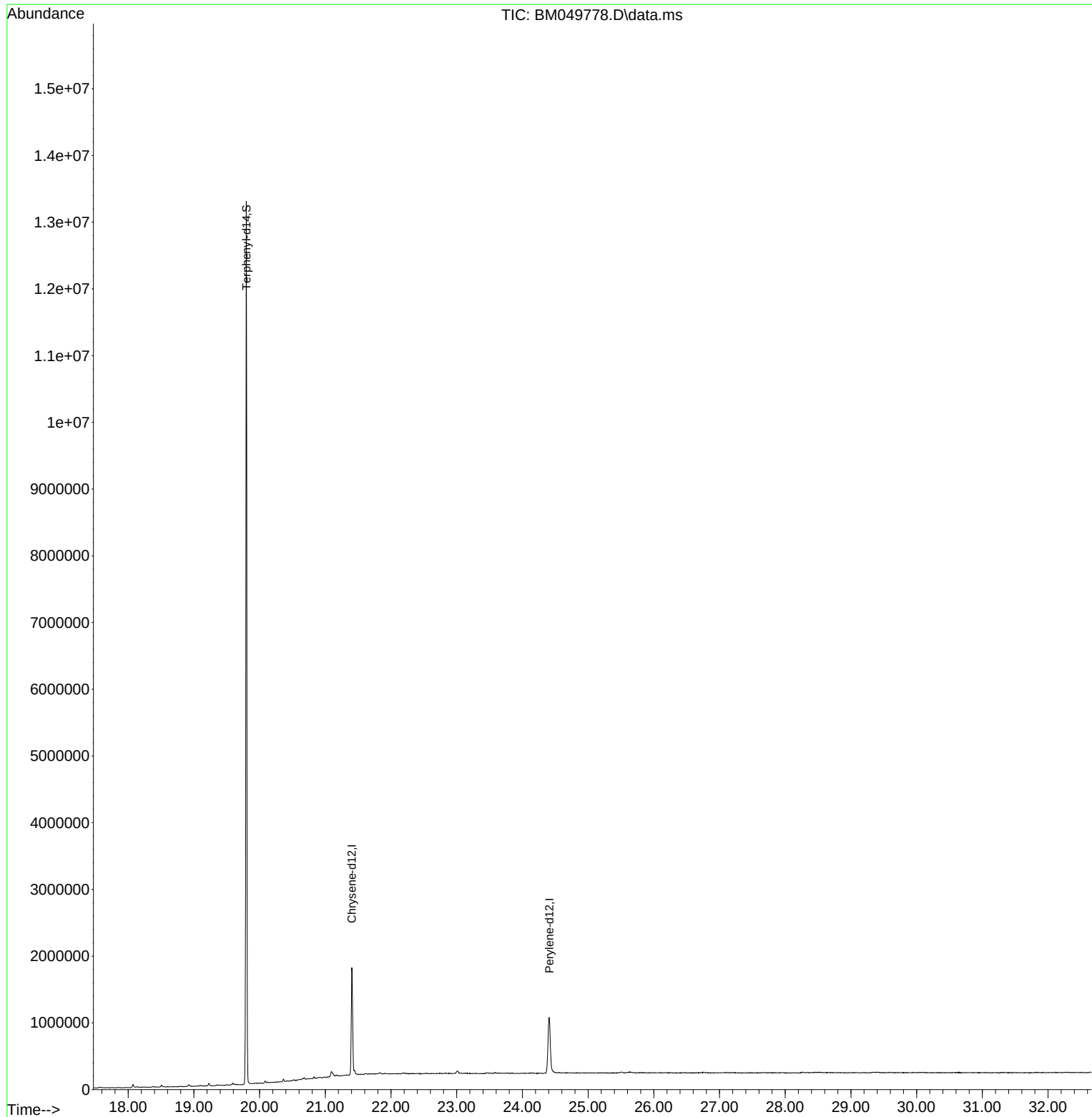
Quant Time: Apr 01 18:01:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
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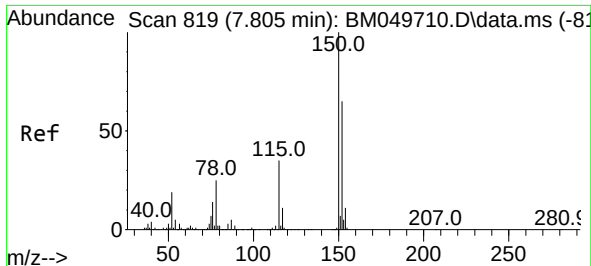


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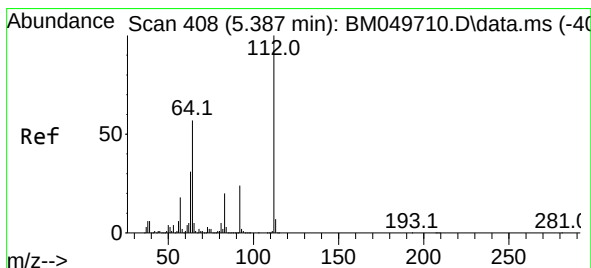
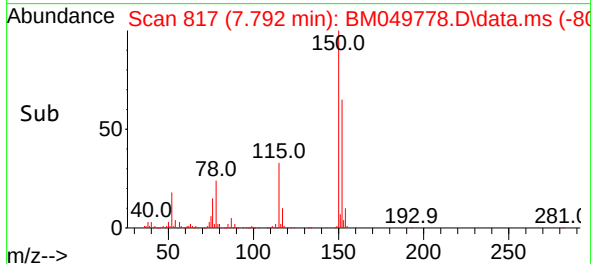
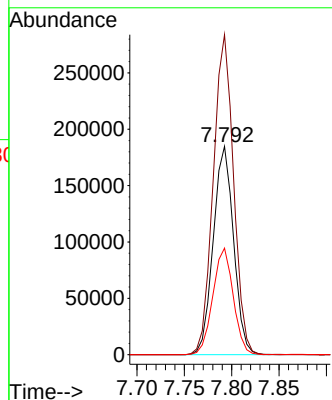
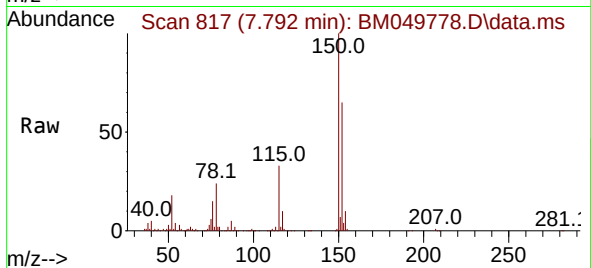




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.792 min Scan# 819
Delta R.T. -0.013 min
Lab File: BM049778.D
Acq: 01 Apr 2025 17:27

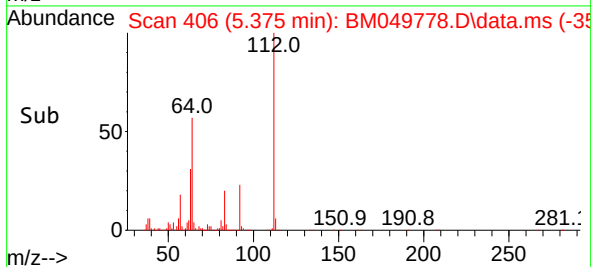
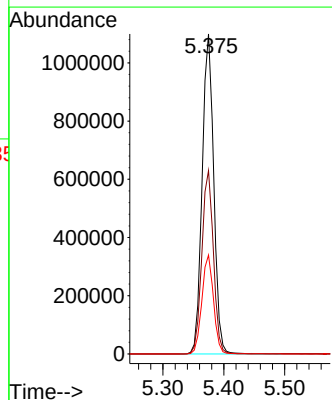
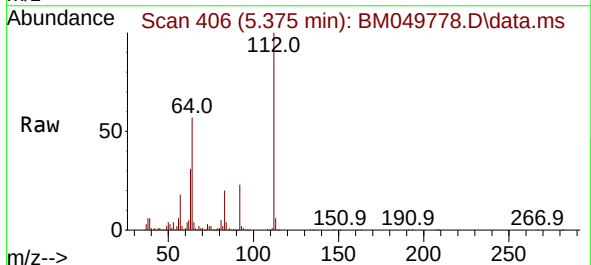
Instrument :
BNA_M
ClientSampleId :
PIER-1-2

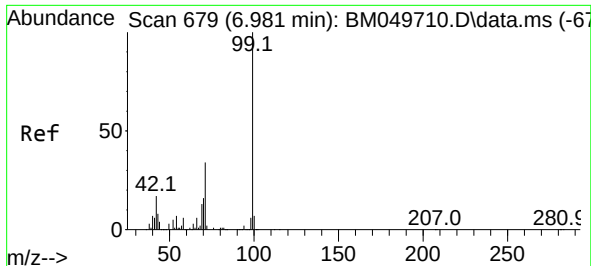
Tgt Ion:152 Resp: 276000
Ion Ratio Lower Upper
152 100
150 153.7 123.8 185.8
115 51.2 43.0 64.6



#5
2-Fluorophenol
Concen: 88.450 ng
RT: 5.375 min Scan# 406
Delta R.T. -0.012 min
Lab File: BM049778.D
Acq: 01 Apr 2025 17:27

Tgt Ion:112 Resp: 1446796
Ion Ratio Lower Upper
112 100
64 57.3 45.3 67.9
63 30.9 24.4 36.6



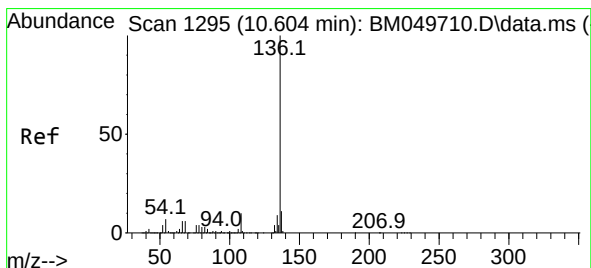
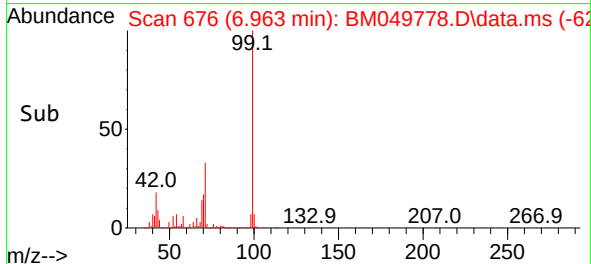
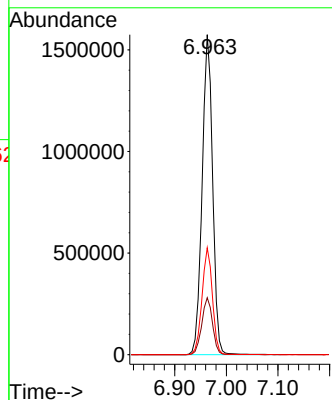
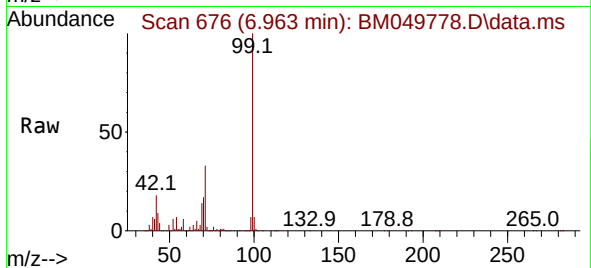


#7
Phenol-d6
Concen: 108.139 ng
RT: 6.963 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM049778.D
Acq: 01 Apr 2025 17:27

Instrument :
BNA_M
ClientSampleId :
PIER-1-2

Tgt Ion: 99 Resp: 2219832

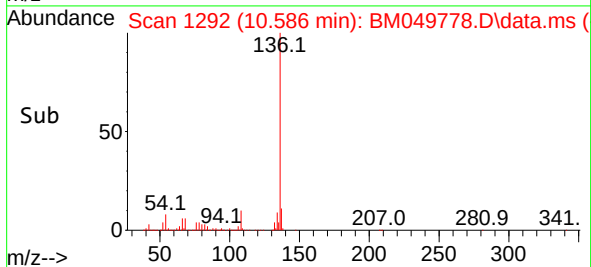
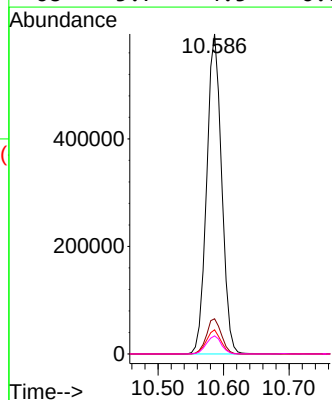
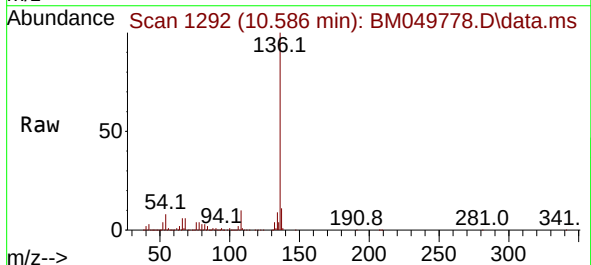
Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.6	20.4
71	33.4	27.0	40.6

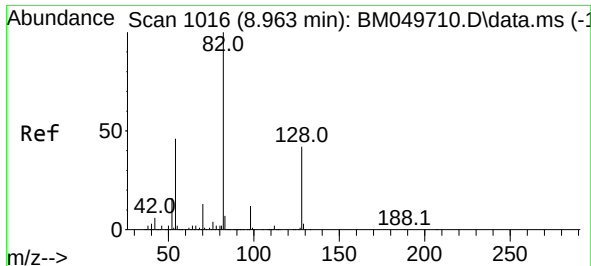


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.586 min Scan# 1292
Delta R.T. -0.018 min
Lab File: BM049778.D
Acq: 01 Apr 2025 17:27

Tgt Ion: 136 Resp: 944407

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	7.6	5.8	8.8
68	5.7	4.5	6.7





#23

Nitrobenzene-d5

Concen: 76.424 ng

RT: 8.945 min Scan# 1016

Delta R.T. -0.018 min

Lab File: BM049778.D

Acq: 01 Apr 2025 17:27

Instrument :

BNA_M

ClientSampleId :

PIER-1-2

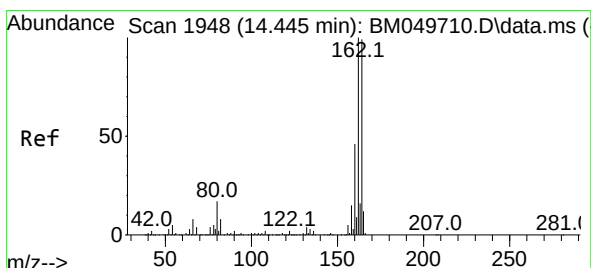
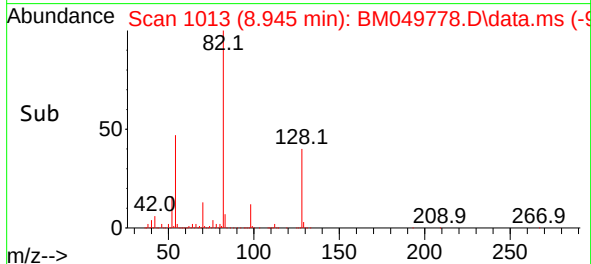
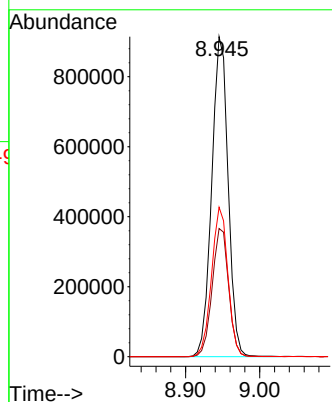
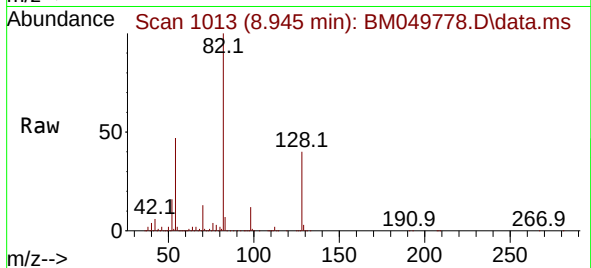
Tgt Ion: 82 Resp: 1405789

Ion Ratio Lower Upper

82 100

128 40.1 33.4 50.0

54 46.7 36.4 54.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.433 min Scan# 1946

Delta R.T. -0.012 min

Lab File: BM049778.D

Acq: 01 Apr 2025 17:27

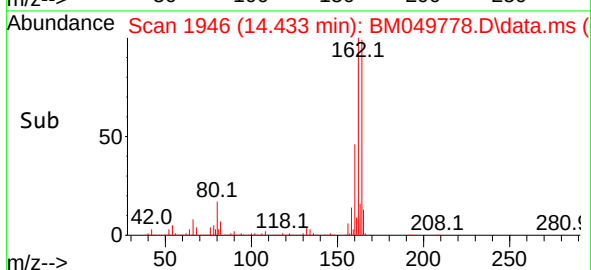
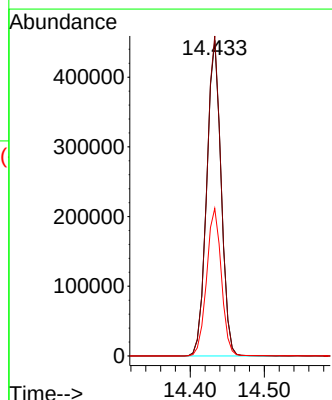
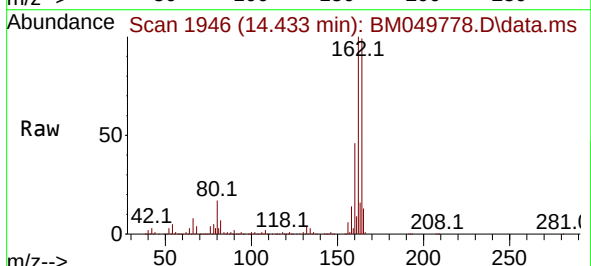
Tgt Ion:164 Resp: 612534

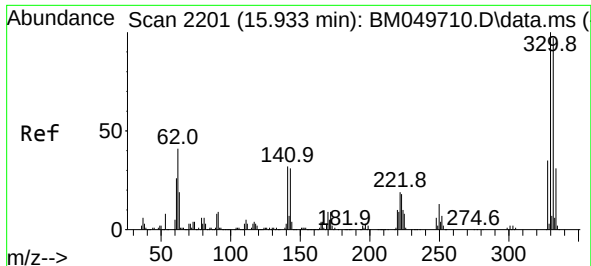
Ion Ratio Lower Upper

164 100

162 101.4 80.5 120.7

160 46.8 36.9 55.3

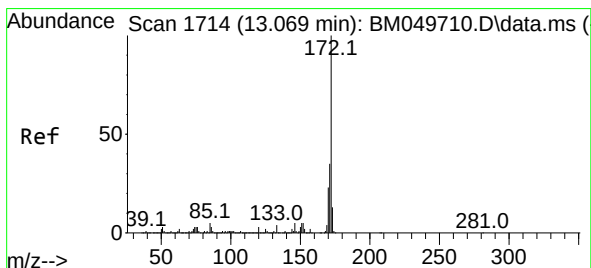
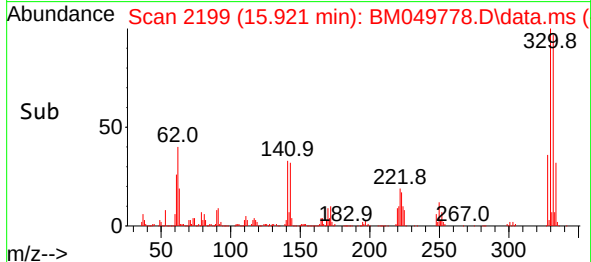
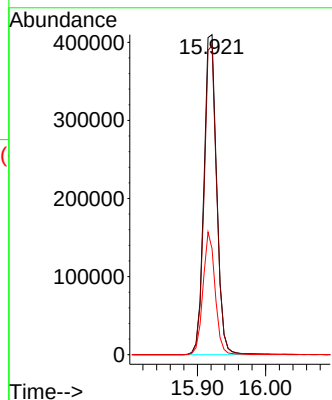
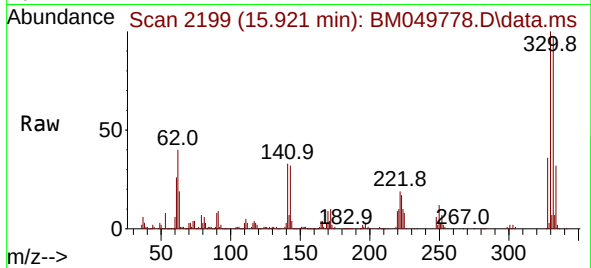




#42
2,4,6-Tribromophenol
Concen: 74.485 ng
RT: 15.921 min Scan# 21199
Delta R.T. -0.012 min
Lab File: BM049778.D
Acq: 01 Apr 2025 17:27

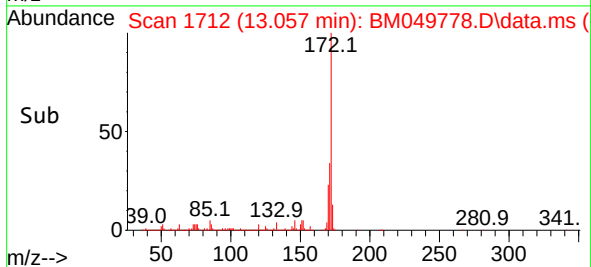
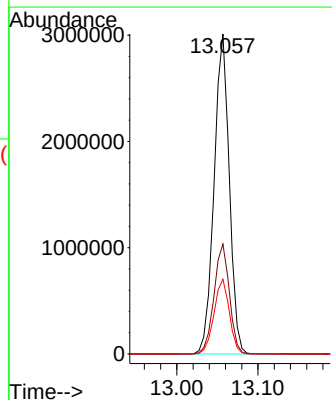
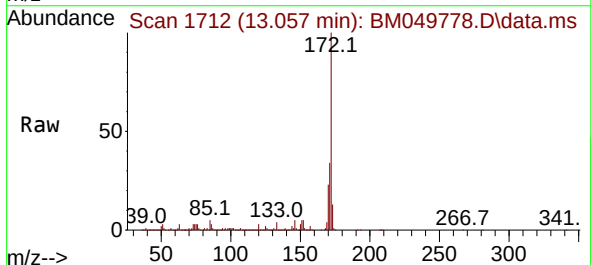
Instrument :
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PIER-1-2

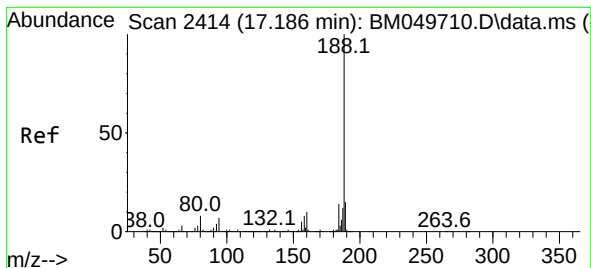
Tgt Ion:330 Resp: 532761
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.4
141 36.5 27.8 41.6



#45
2-Fluorobiphenyl
Concen: 79.932 ng
RT: 13.057 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BM049778.D
Acq: 01 Apr 2025 17:27

Tgt Ion:172 Resp: 3909427
Ion Ratio Lower Upper
172 100
171 34.3 27.9 41.9
170 23.3 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.174 min Scan# 2414

Delta R.T. -0.012 min

Lab File: BM049778.D

Acq: 01 Apr 2025 17:27

Instrument :

BNA_M

ClientSampleId :

PIER-1-2

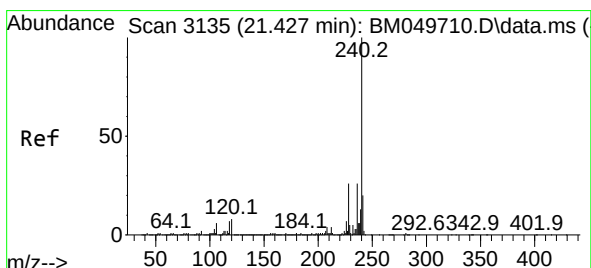
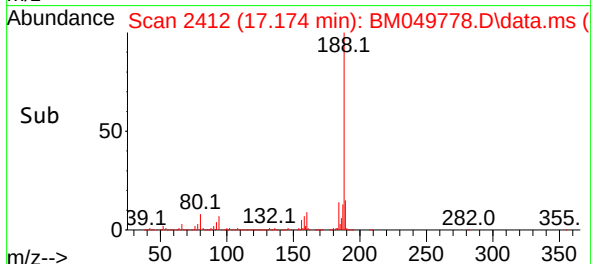
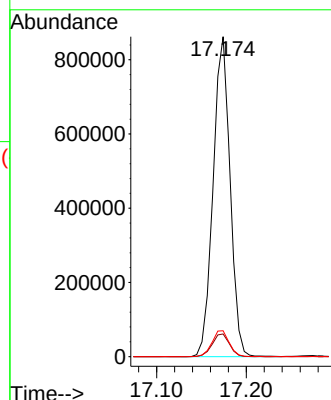
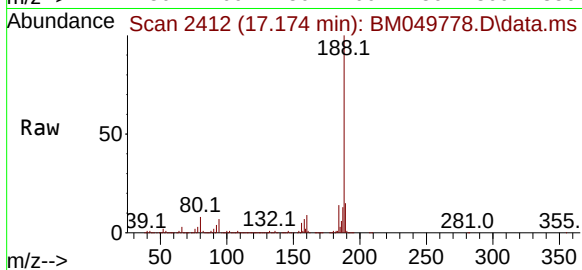
Tgt Ion:188 Resp: 1131243

Ion Ratio Lower Upper

188 100

94 7.1 5.8 8.6

80 8.1 6.3 9.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.403 min Scan# 3131

Delta R.T. -0.024 min

Lab File: BM049778.D

Acq: 01 Apr 2025 17:27

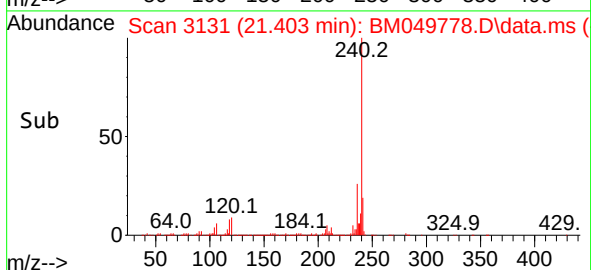
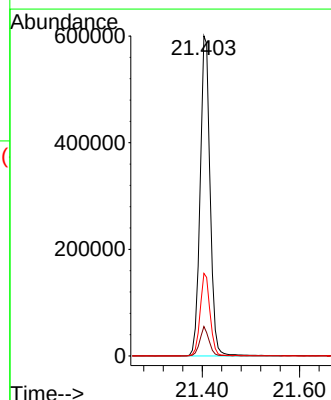
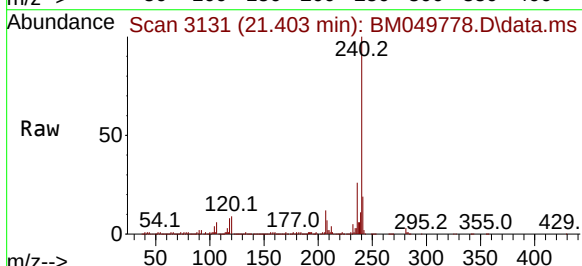
Tgt Ion:240 Resp: 854565

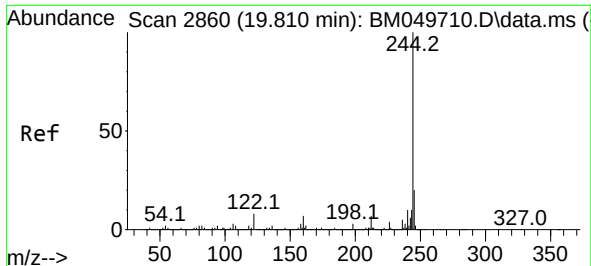
Ion Ratio Lower Upper

240 100

120 9.2 6.5 9.7

236 25.8 20.7 31.1

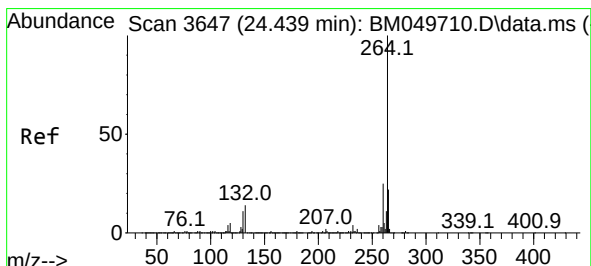
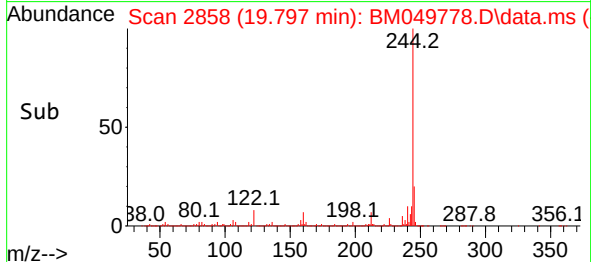
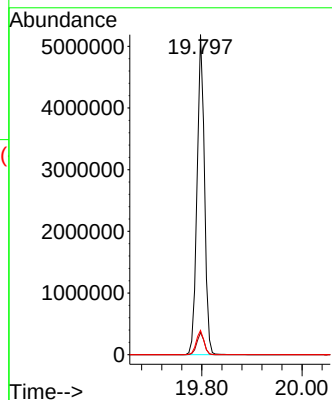
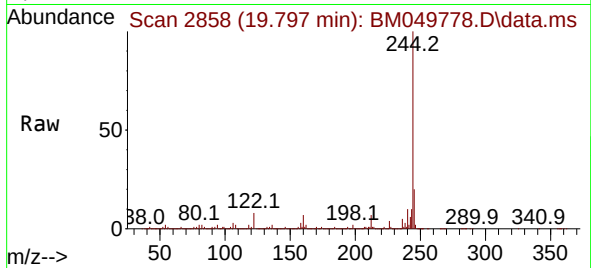




#79
 Terphenyl-d14
 Concen: 104.378 ng
 RT: 19.797 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM049778.D
 Acq: 01 Apr 2025 17:27

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion:244 Resp: 5293248
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 7.6 6.0 9.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.409 min Scan# 3642
 Delta R.T. -0.030 min
 Lab File: BM049778.D
 Acq: 01 Apr 2025 17:27

Tgt Ion:264 Resp: 783643
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.6 29.4
 265 22.1 18.2 27.2

