

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050105.D
 Acq On : 05 May 2025 18:58
 Operator : RC/JU
 Sample : Q1951-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MH-KK

Quant Time: May 06 05:19:19 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)

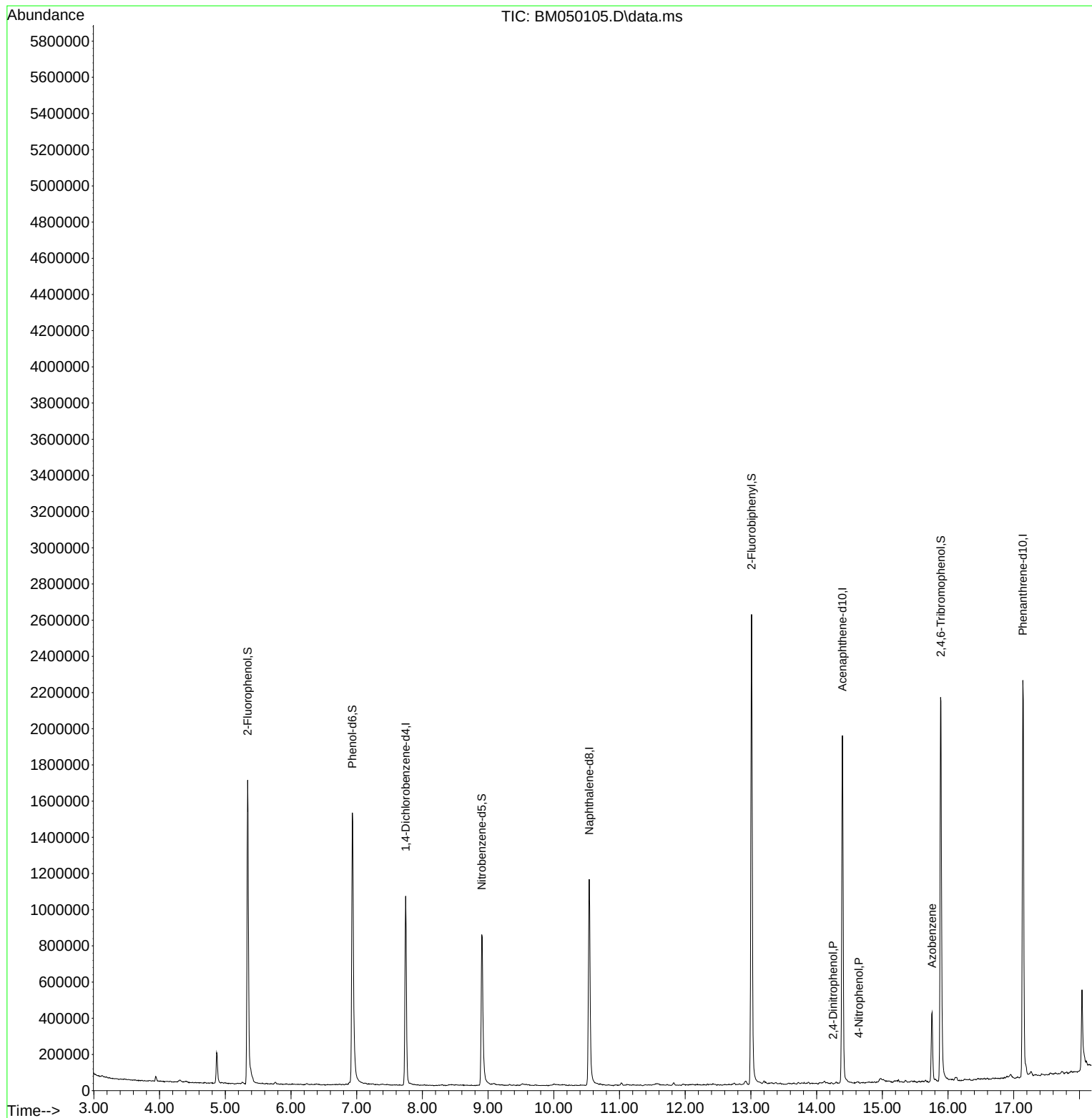
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	307352	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1102866	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	731950	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1424227	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1333365	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1361158	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	839159	47.809	ng	-0.02
7) Phenol-d6	6.934	99	1133386	51.375	ng	-0.02
23) Nitrobenzene-d5	8.904	82	605977	27.075	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	493626	45.610	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	1544104	24.956	ng	-0.02
79) Terphenyl-d14	19.768	244	2282127	25.327	ng	-0.01
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.251	184	79	5.753	ng	# 12
56) 4-Nitrophenol	14.645	139	65	4.541	ng	# 1
63) Azobenzene	15.757	77	118327	2.801	ng	# 1

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

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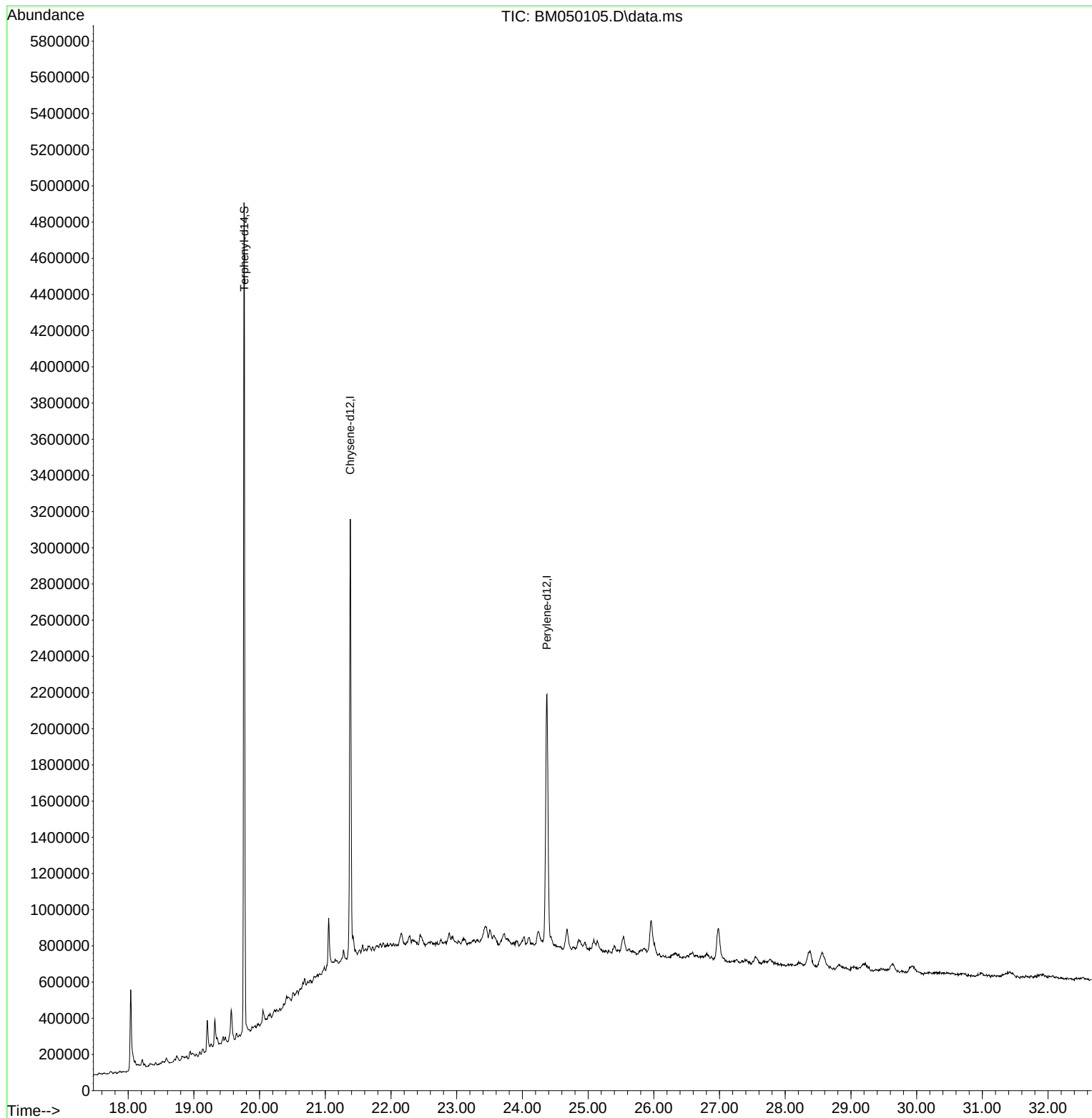
Quant Time: May 06 05:19:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

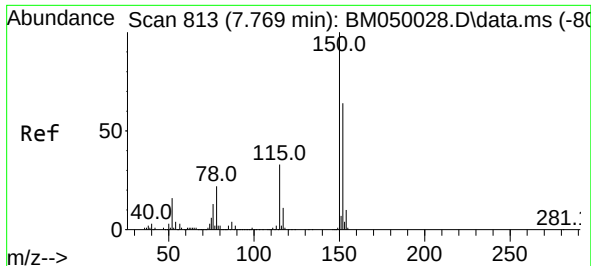


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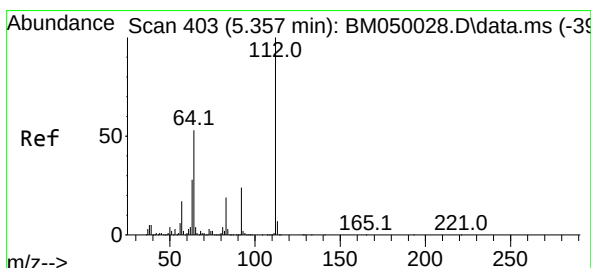
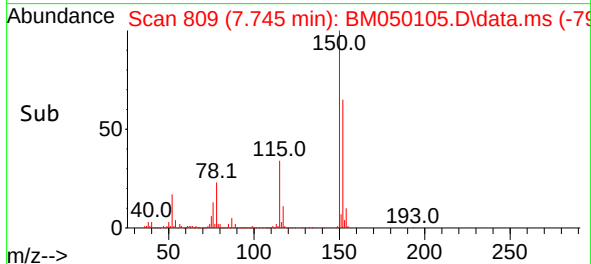
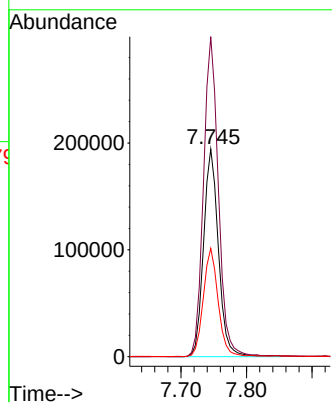
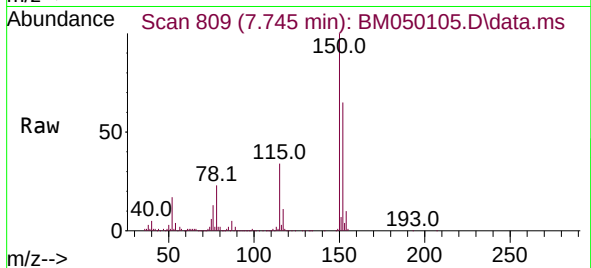




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050105.D
Acq: 05 May 2025 18:58

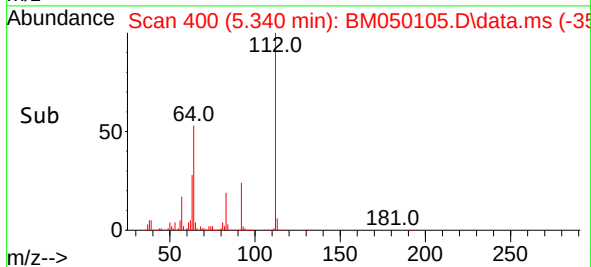
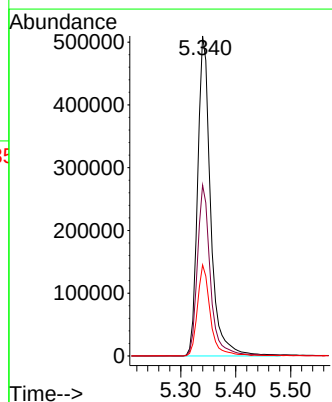
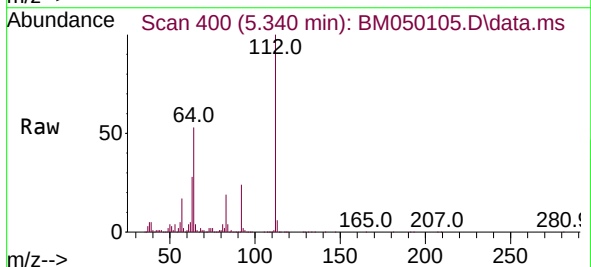
Instrument :
BNA_M
ClientSampleId :
MH-KK

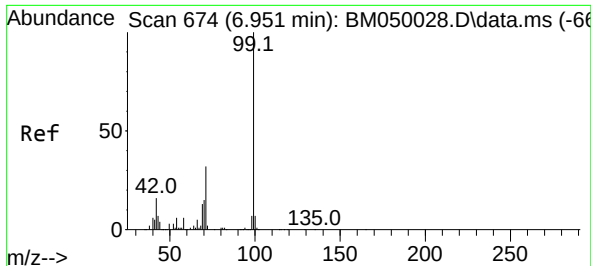
Tgt Ion:152 Resp: 307352
Ion Ratio Lower Upper
152 100
150 154.1 124.1 186.1
115 52.2 41.2 61.8



#5
2-Fluorophenol
Concen: 47.809 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050105.D
Acq: 05 May 2025 18:58

Tgt Ion:112 Resp: 839159
Ion Ratio Lower Upper
112 100
64 53.4 42.6 64.0
63 28.5 22.2 33.4

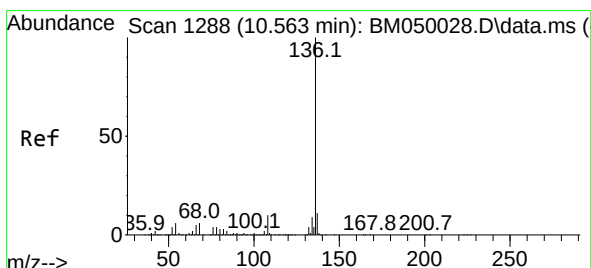
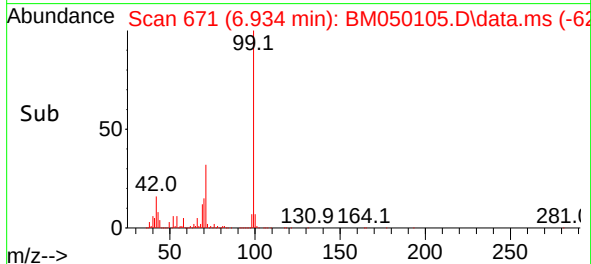
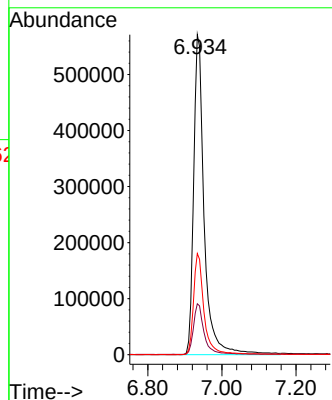
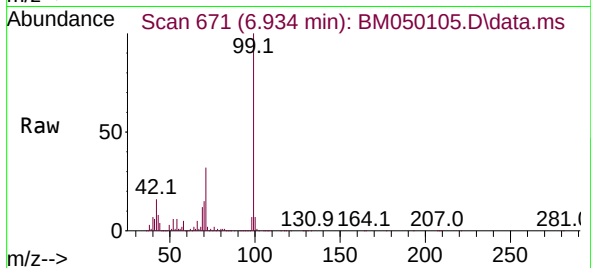




#7
Phenol-d6
Concen: 51.375 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050105.D
Acq: 05 May 2025 18:58

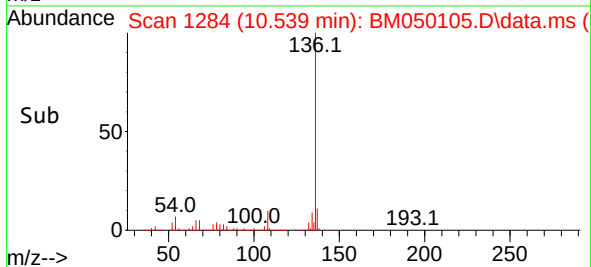
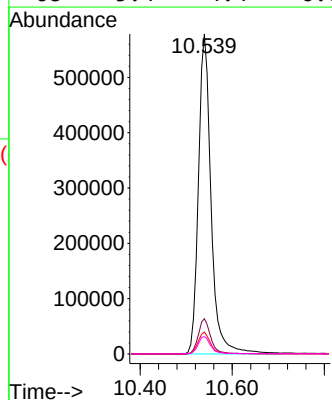
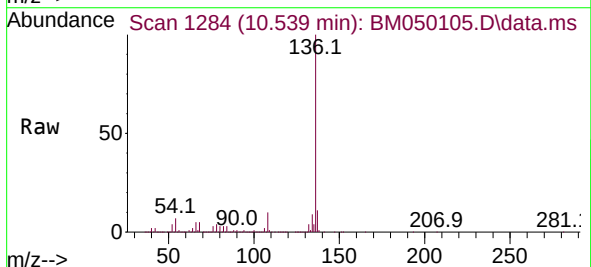
Instrument :
BNA_M
ClientSampleId :
MH-KK

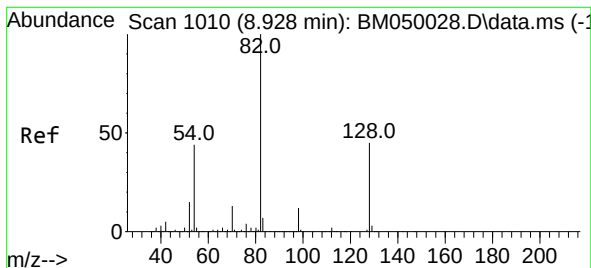
Tgt Ion: 99 Resp: 1133386
Ion Ratio Lower Upper
99 100
42 15.9 13.0 19.4
71 31.6 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050105.D
Acq: 05 May 2025 18:58

Tgt Ion: 136 Resp: 1102866
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.9 5.1 7.7
68 5.4 4.4 6.6





#23

Nitrobenzene-d5

Concen: 27.075 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.024 min

Lab File: BM050105.D

Acq: 05 May 2025 18:58

Instrument :

BNA_M

ClientSampleId :

MH-KK

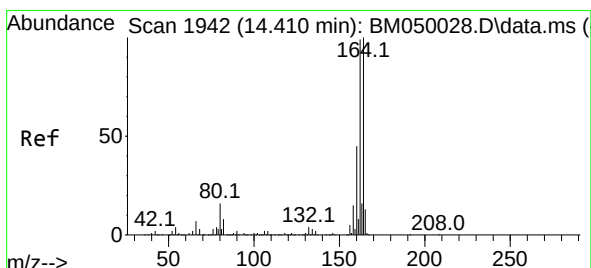
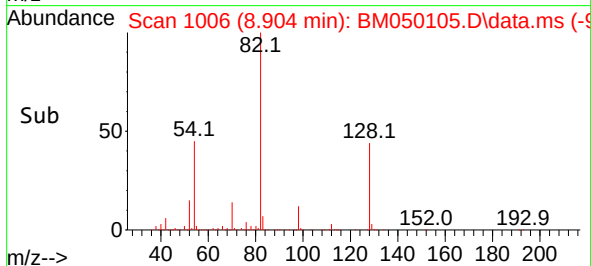
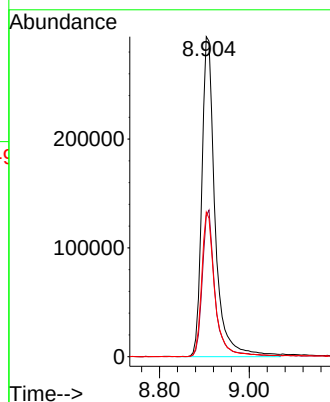
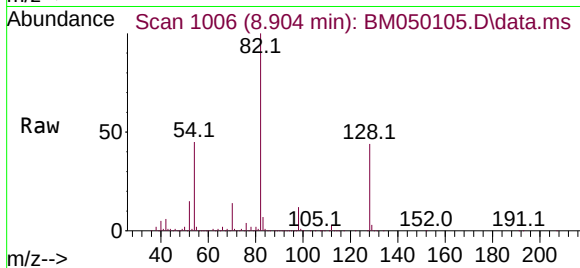
Tgt Ion: 82 Resp: 605977

Ion Ratio Lower Upper

82 100

128 44.1 35.7 53.5

54 45.2 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: BM050105.D

Acq: 05 May 2025 18:58

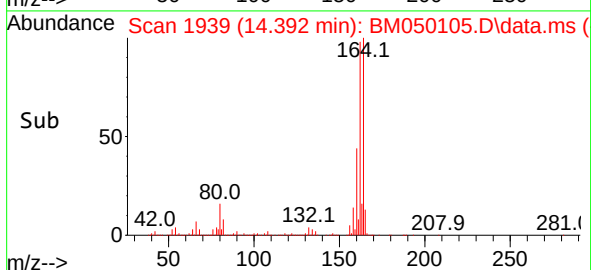
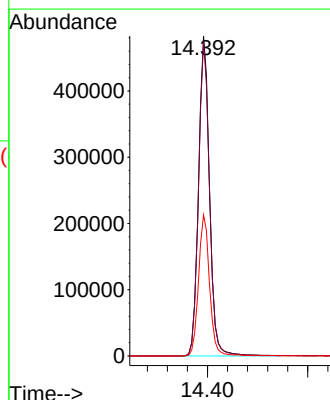
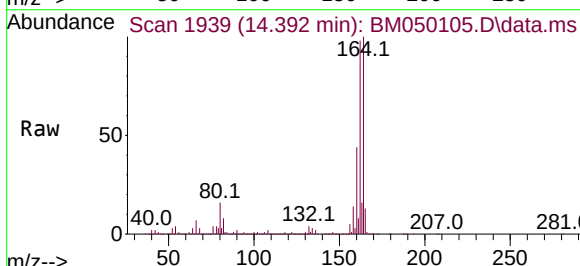
Tgt Ion: 164 Resp: 731950

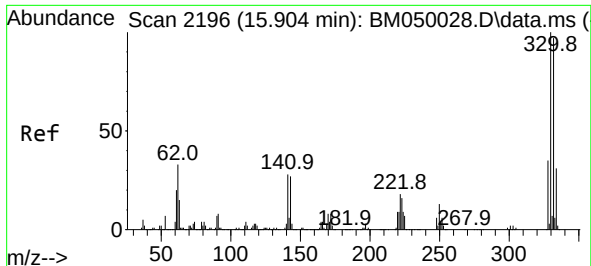
Ion Ratio Lower Upper

164 100

162 98.2 79.4 119.0

160 44.1 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 45.610 ng

RT: 15.892 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050105.D

Acq: 05 May 2025 18:58

Instrument :

BNA_M

ClientSampleId :

MH-KK

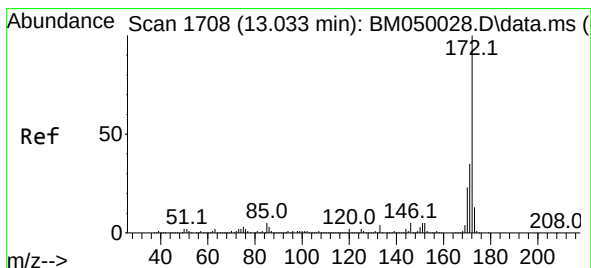
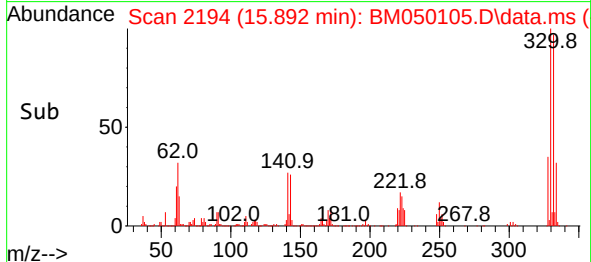
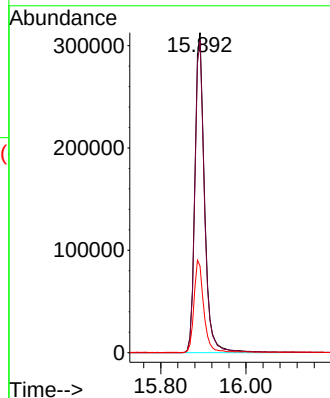
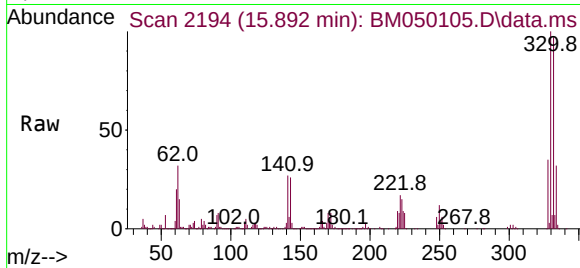
Tgt Ion:330 Resp: 493626

Ion Ratio Lower Upper

330 100

332 96.5 77.3 115.9

141 29.2 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 24.956 ng

RT: 13.010 min Scan# 1704

Delta R.T. -0.024 min

Lab File: BM050105.D

Acq: 05 May 2025 18:58

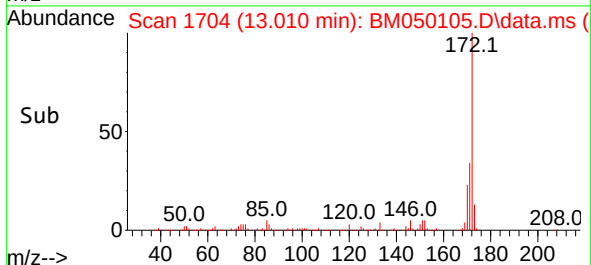
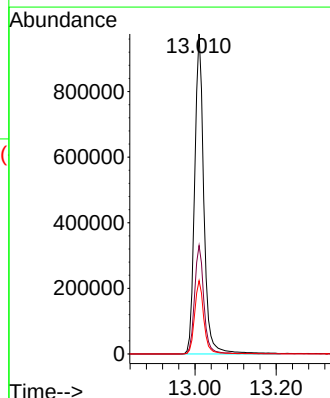
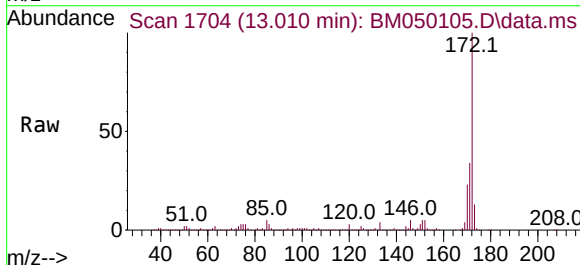
Tgt Ion:172 Resp: 1544104

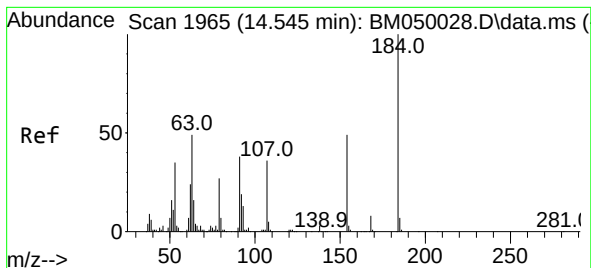
Ion Ratio Lower Upper

172 100

171 33.9 27.8 41.6

170 22.9 18.6 28.0

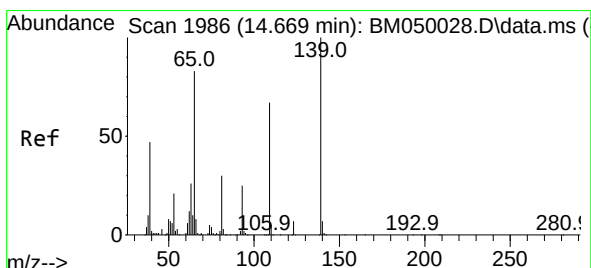
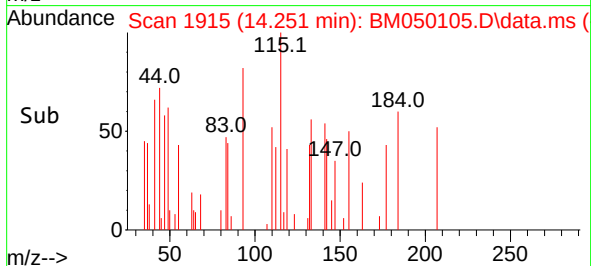
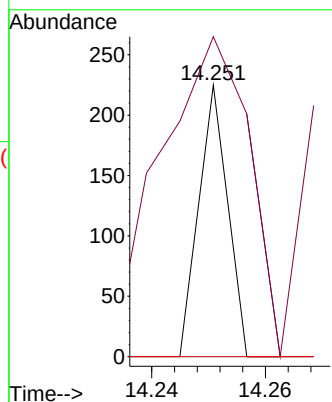
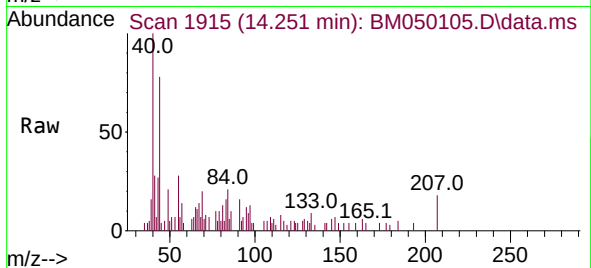




#54
2,4-Dinitrophenol
Concen: 5.753 ng
RT: 14.251 min Scan# 1965
Delta R.T. -0.294 min
Lab File: BM050105.D
Acq: 05 May 2025 18:58

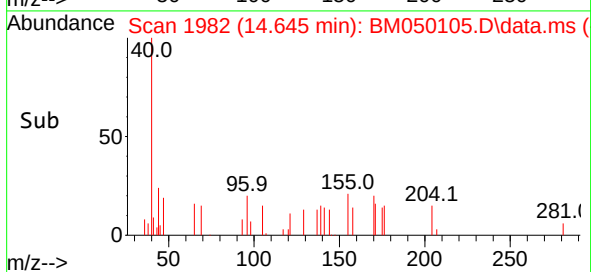
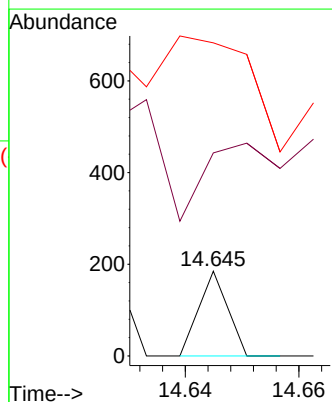
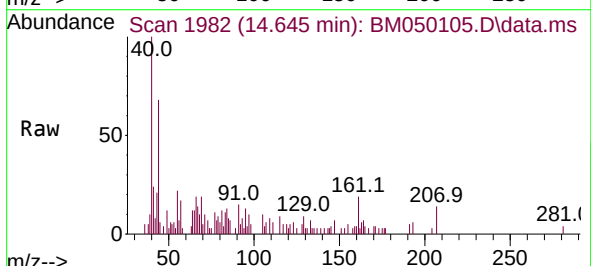
Instrument :
BNA_M
ClientSampleId :
MH-KK

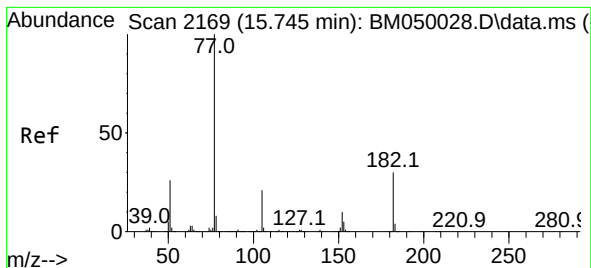
Tgt Ion:184 Resp: 79
Ion Ratio Lower Upper
184 100
63 117.8 39.8 59.6#
154 0.0 46.1 69.1#



#56
4-Nitrophenol
Concen: 4.541 ng
RT: 14.645 min Scan# 1982
Delta R.T. -0.024 min
Lab File: BM050105.D
Acq: 05 May 2025 18:58

Tgt Ion:139 Resp: 65
Ion Ratio Lower Upper
139 100
109 239.5 47.0 87.0#
65 369.2 64.3 104.3#





#63

Azobenzene

Concen: 2.801 ng

RT: 15.757 min Scan# 2169

Delta R.T. 0.012 min

Lab File: BM050105.D

Acq: 05 May 2025 18:58

Instrument :

BNA_M

ClientSampleId :

MH-KK

Tgt Ion: 77 Resp: 118327

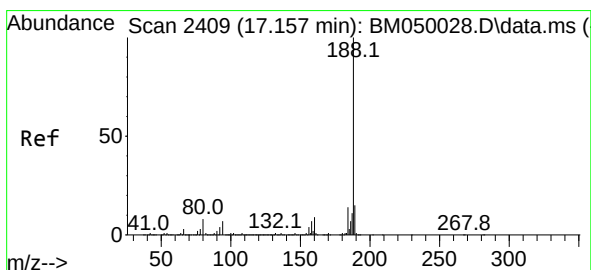
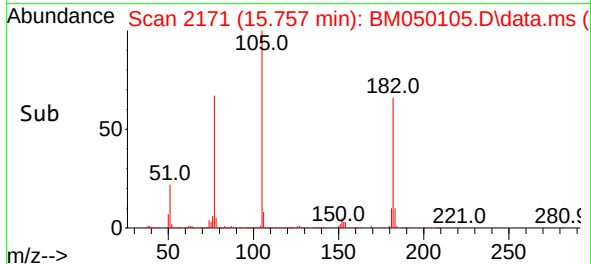
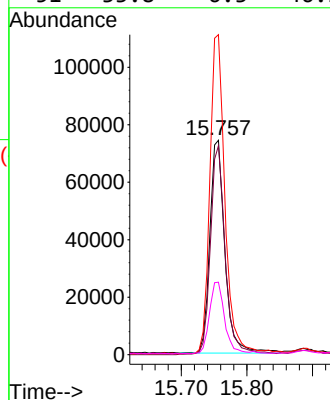
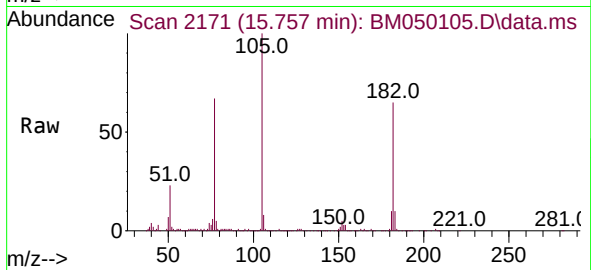
Ion Ratio Lower Upper

77 100

182 97.4 10.5 50.5#

105 149.2 1.1 41.1#

51 33.8 6.3 46.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.139 min Scan# 2406

Delta R.T. -0.018 min

Lab File: BM050105.D

Acq: 05 May 2025 18:58

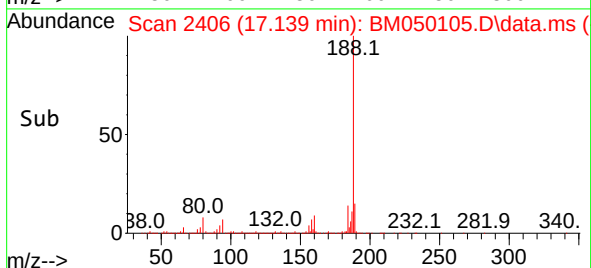
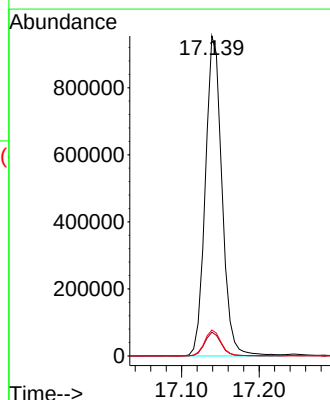
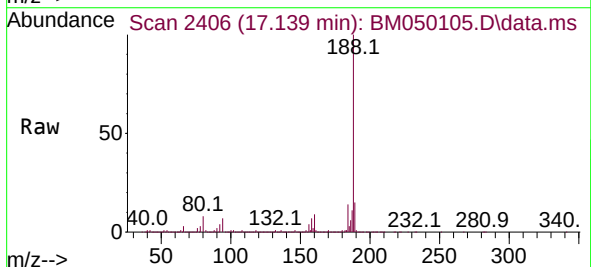
Tgt Ion:188 Resp: 1424227

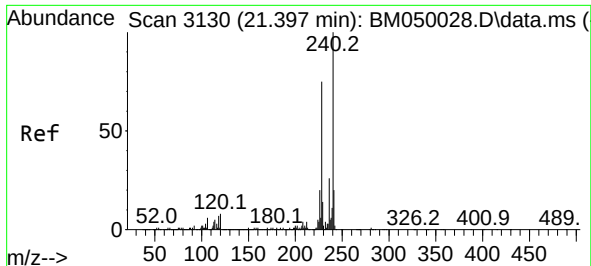
Ion Ratio Lower Upper

188 100

94 7.4 5.7 8.5

80 8.1 6.2 9.4

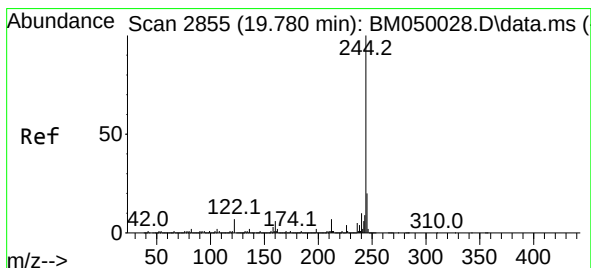
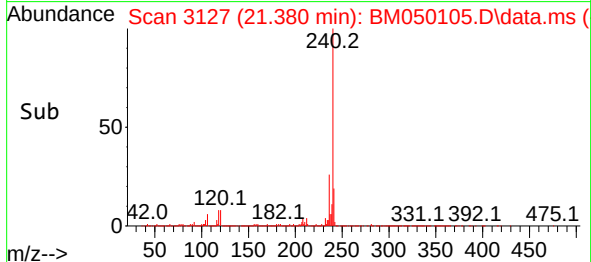
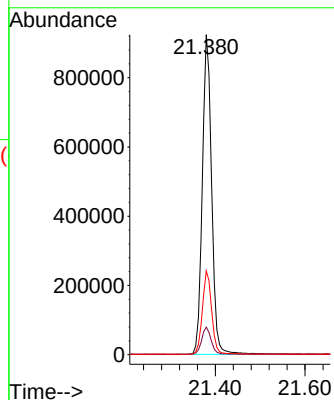
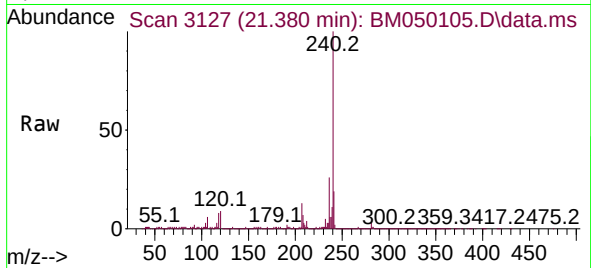




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 31
Delta R.T. -0.017 min
Lab File: BM050105.D
Acq: 05 May 2025 18:58

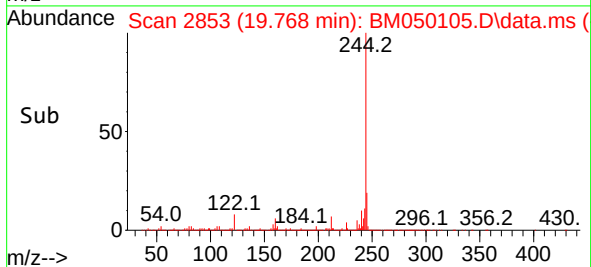
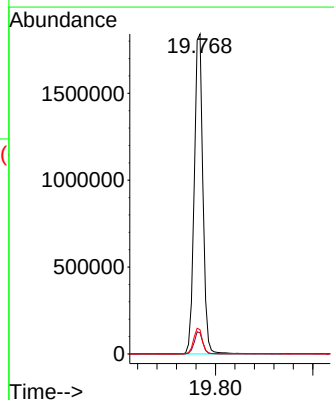
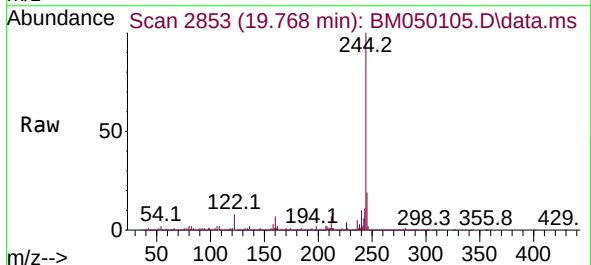
Instrument :
BNA_M
ClientSampleId :
MH-KK

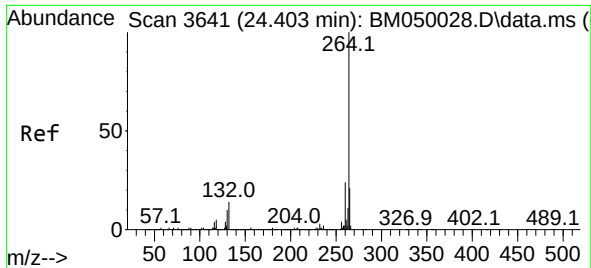
Tgt Ion:240 Resp: 1333365
Ion Ratio Lower Upper
240 100
120 8.6 6.5 9.7
236 26.2 20.9 31.3



#79
Terphenyl-d14
Concen: 25.327 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BM050105.D
Acq: 05 May 2025 18:58

Tgt Ion:244 Resp: 2282127
Ion Ratio Lower Upper
244 100
212 6.6 5.6 8.4
122 7.6 5.6 8.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 30
Delta R.T. -0.029 min
Lab File: BM050105.D
Acq: 05 May 2025 18:58

Instrument :
BNA_M
ClientSampleId :
MH-KK

Tgt Ion:264 Resp: 1361158

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	21.8	17.0	25.4

