

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041425\
 Data File : BM049919.D
 Acq On : 14 Apr 2025 18:27
 Operator : RC/JU
 Sample : Q1779-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-23

Quant Time: Apr 15 01:02:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

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

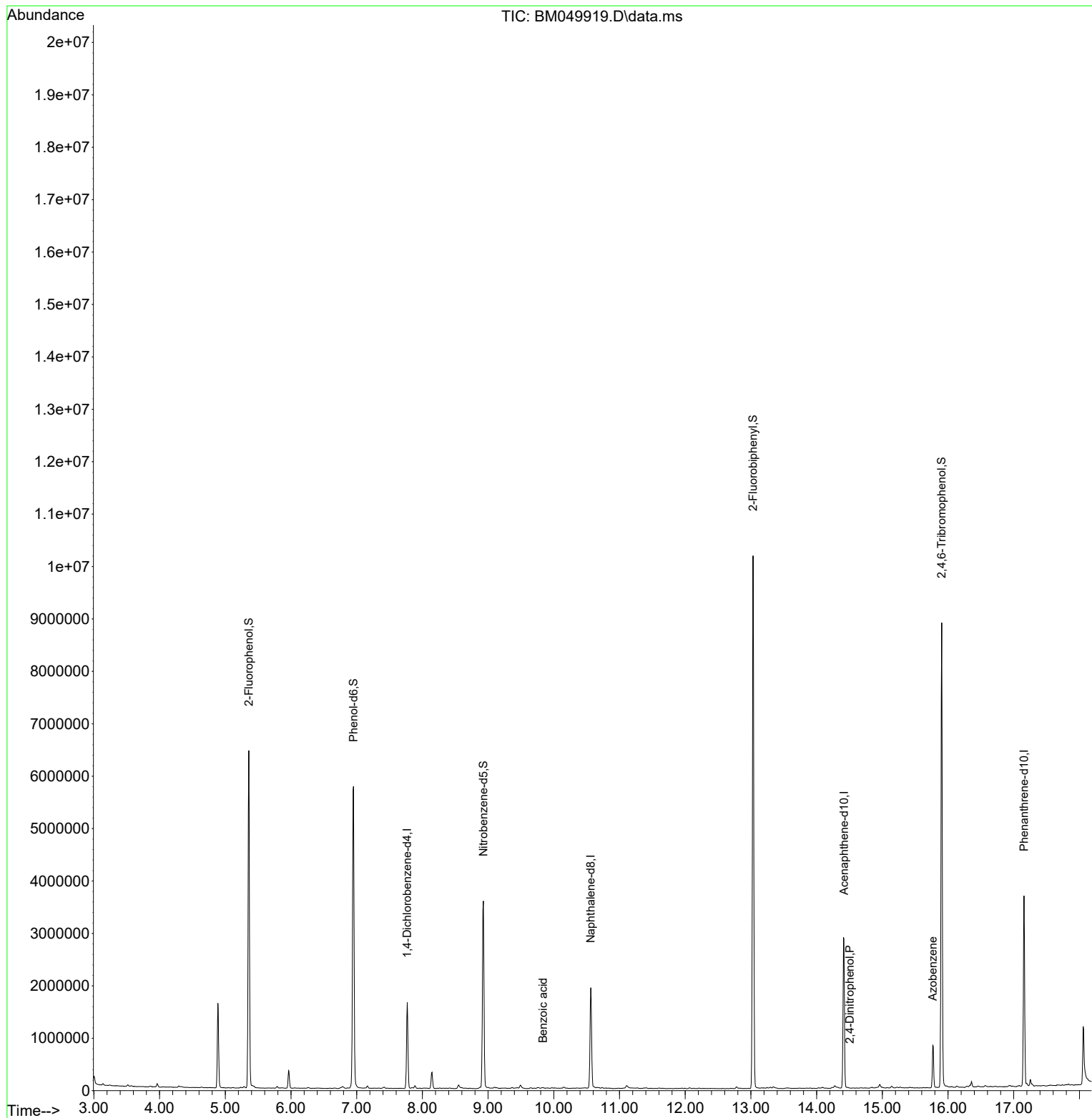
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	455798	20.000	ng	-0.01
21) Naphthalene-d8	10.563	136	1614875	20.000	ng	-0.01
39) Acenaphthene-d10	14.416	164	1066666	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	2108834	20.000	ng	0.00
76) Chrysene-d12	21.392	240	1944393	20.000	ng	-0.01
86) Perylene-d12	24.386	264	1784527	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2871697	106.985	ng	0.00
7) Phenol-d6	6.951	99	3556897	106.505	ng	0.00
23) Nitrobenzene-d5	8.928	82	2092390	72.151	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1783127	114.929	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	5409747	68.772	ng	-0.01
79) Terphenyl-d14	19.780	244	8020704	77.305	ng	-0.01
Target Compounds						
32) Benzoic acid	9.834	122	6490	8.795	ng	Qvalue 89
54) 2,4-Dinitrophenol	14.504	184	67	7.230	ng	# 12
63) Azobenzene	15.768	77	221436	3.584	ng	# 1

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

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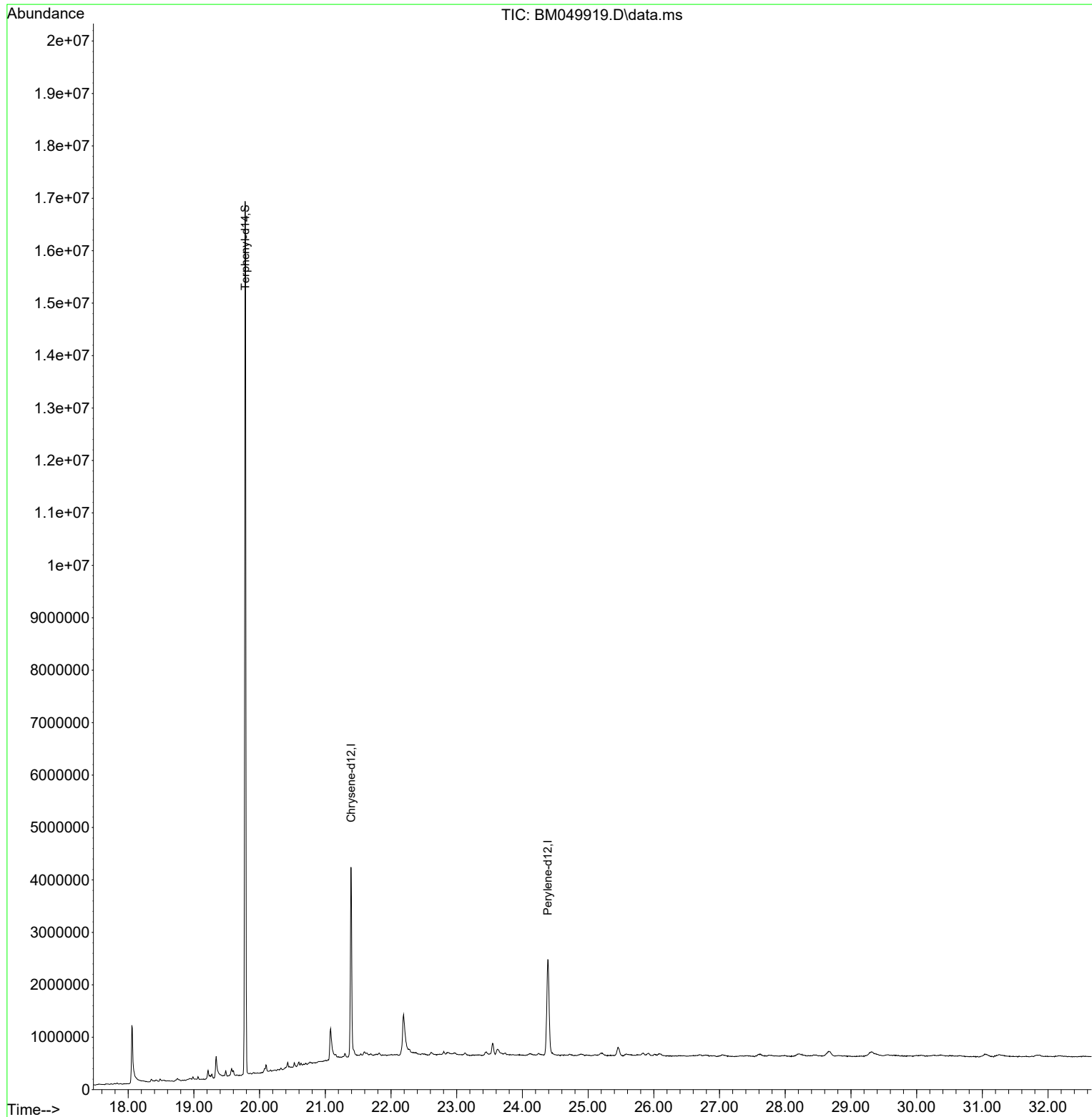
Quant Time: Apr 15 01:02:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
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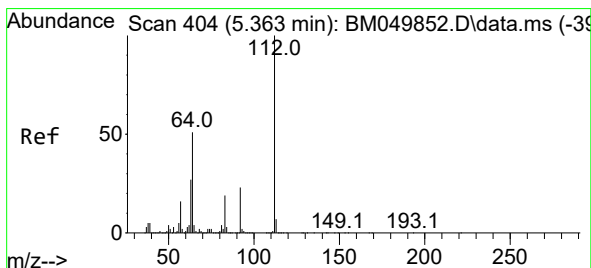
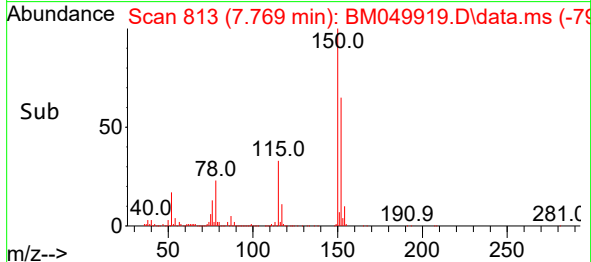
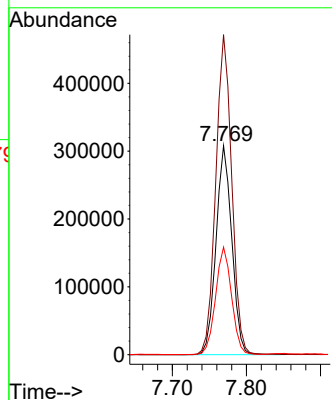
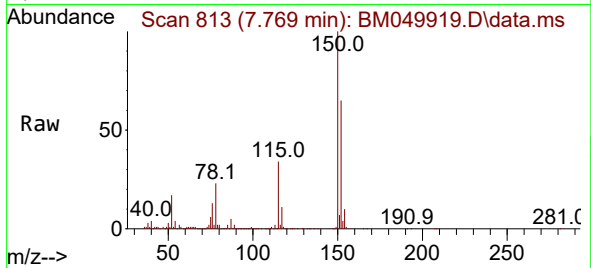




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049919.D
Acq: 14 Apr 2025 18:27

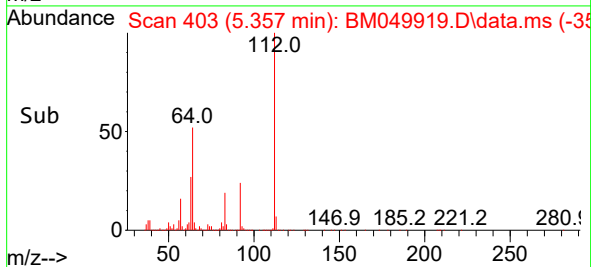
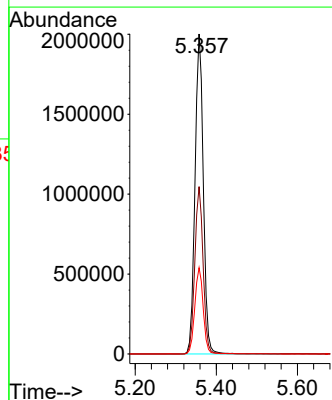
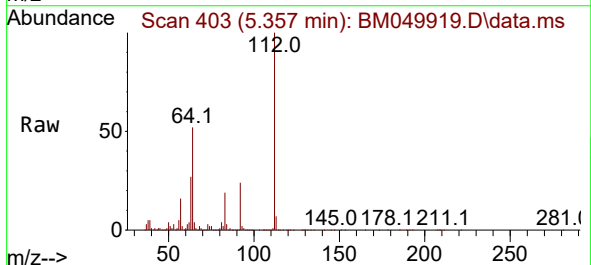
Instrument :
BNA_M
ClientSampleId :
TP-23

Tgt Ion:152 Resp: 455798
Ion Ratio Lower Upper
152 100
150 153.1 124.3 186.5
115 51.4 41.1 61.7



#5
2-Fluorophenol
Concen: 106.985 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049919.D
Acq: 14 Apr 2025 18:27

Tgt Ion:112 Resp: 2871697
Ion Ratio Lower Upper
112 100
64 52.3 41.0 61.6
63 26.9 21.5 32.3

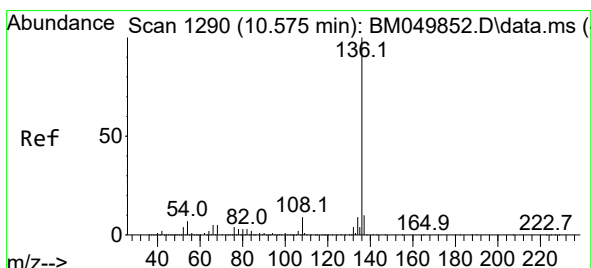
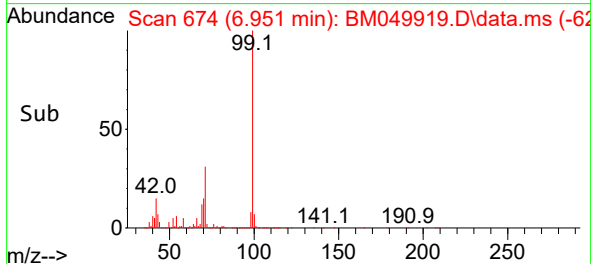
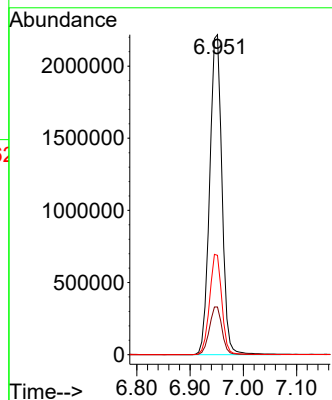
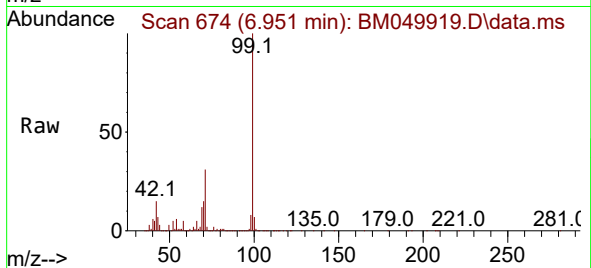




#7
Phenol-d6
Concen: 106.505 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049919.D
Acq: 14 Apr 2025 18:27

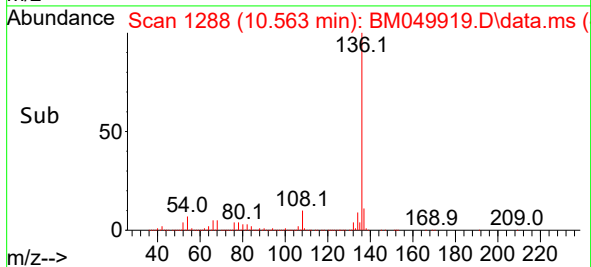
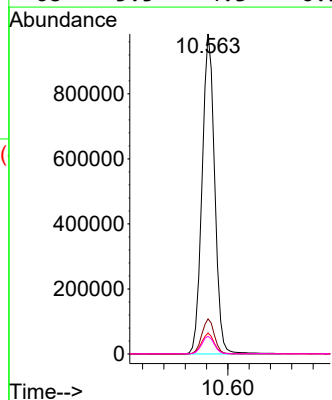
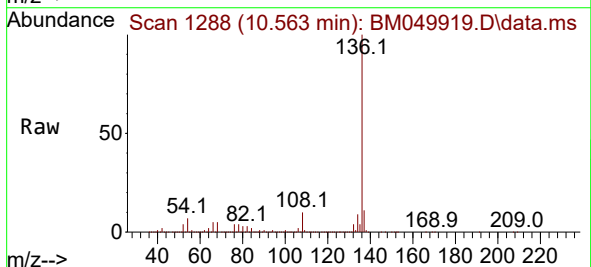
Instrument :
BNA_M
ClientSampleId :
TP-23

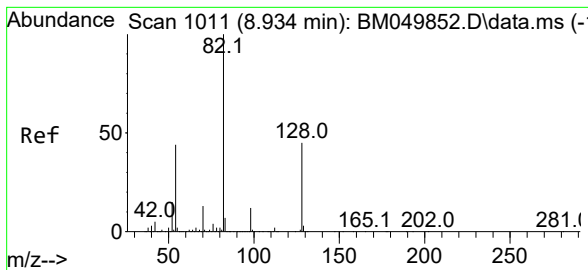
Tgt Ion: 99 Resp: 3556897
Ion Ratio Lower Upper
99 100
42 14.9 12.1 18.1
71 31.1 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BM049919.D
Acq: 14 Apr 2025 18:27

Tgt Ion:136 Resp: 1614875
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 6.5 5.3 7.9
68 5.5 4.3 6.5

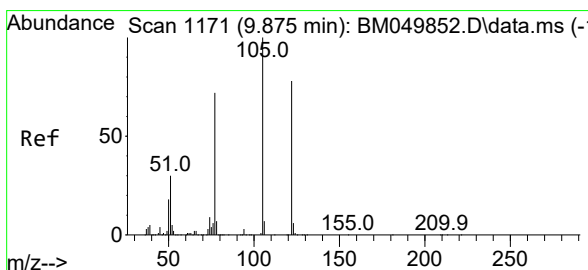
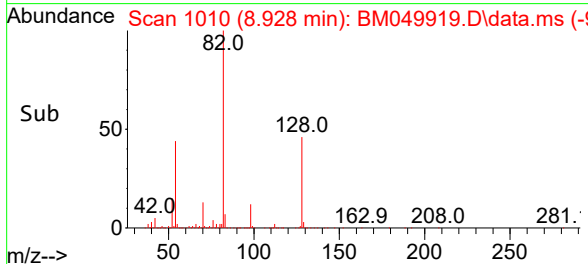
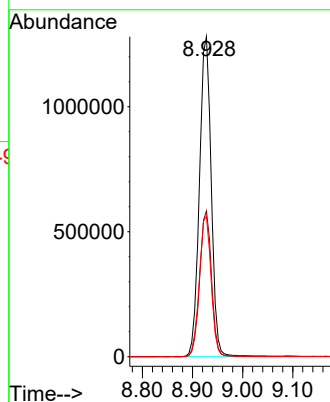
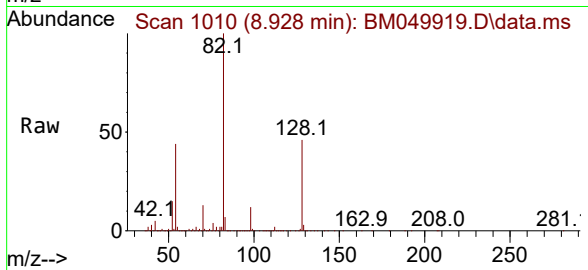




#23
Nitrobenzene-d5
Concen: 72.151 ng
RT: 8.928 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BM049919.D
Acq: 14 Apr 2025 18:27

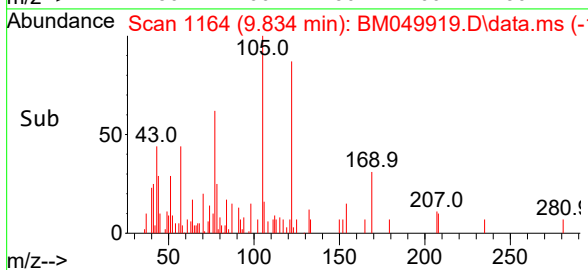
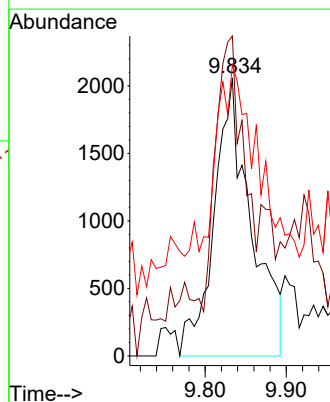
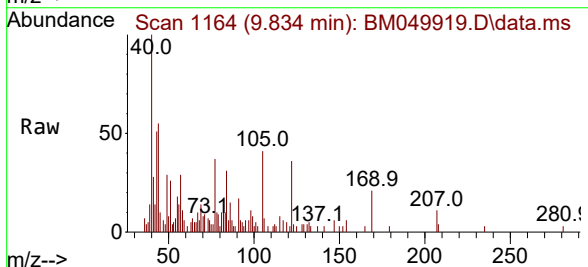
Instrument :
BNA_M
ClientSampleId :
TP-23

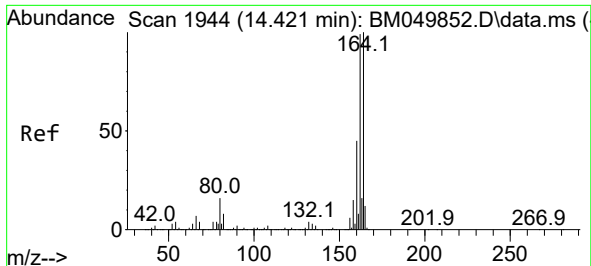
Tgt Ion: 82 Resp: 2092390
Ion Ratio Lower Upper
82 100
128 45.6 36.2 54.2
54 43.9 35.0 52.6



#32
Benzoic acid
Concen: 8.795 ng
RT: 9.834 min Scan# 1164
Delta R.T. -0.041 min
Lab File: BM049919.D
Acq: 14 Apr 2025 18:27

Tgt Ion:122 Resp: 6490
Ion Ratio Lower Upper
122 100
105 115.1 103.8 143.8
77 104.7 70.7 110.7

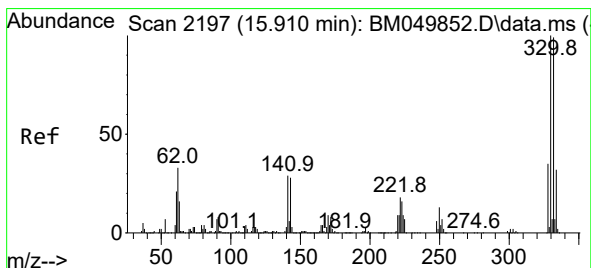
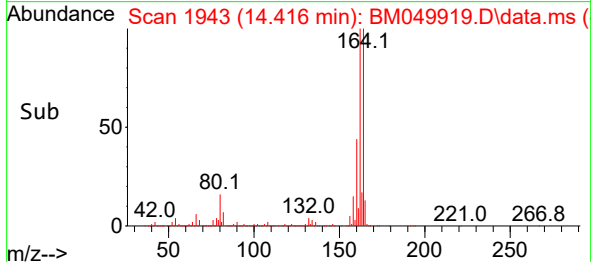
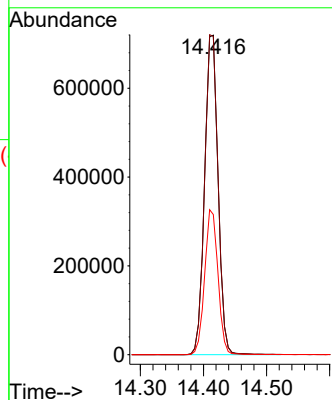
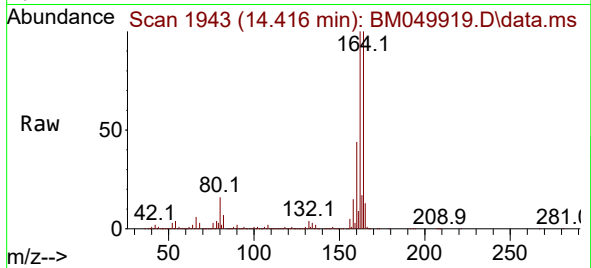




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049919.D
Acq: 14 Apr 2025 18:27

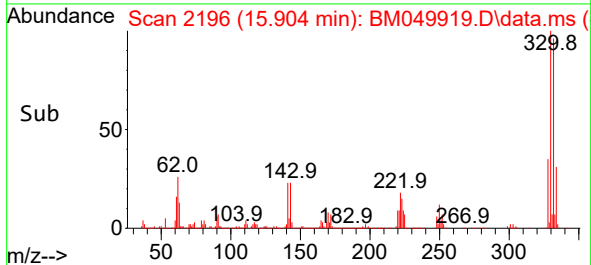
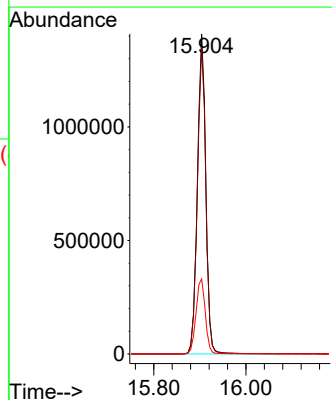
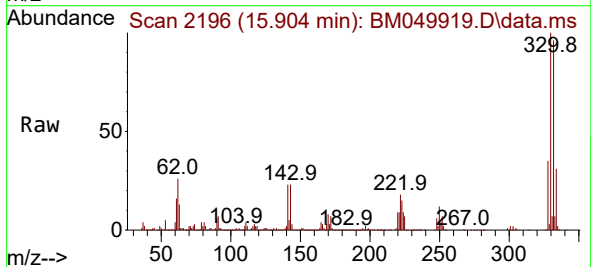
Instrument :
BNA_M
ClientSampleId :
TP-23

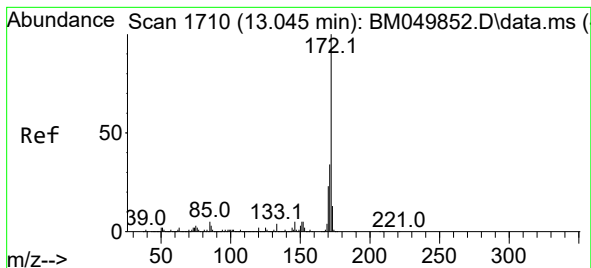
Tgt Ion:164 Resp: 1066666
Ion Ratio Lower Upper
164 100
162 99.6 79.4 119.0
160 43.9 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 114.929 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM049919.D
Acq: 14 Apr 2025 18:27

Tgt Ion:330 Resp: 1783127
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 26.0 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 68.772 ng

RT: 13.033 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM049919.D

Acq: 14 Apr 2025 18:27

Instrument :

BNA_M

ClientSampleId :

TP-23

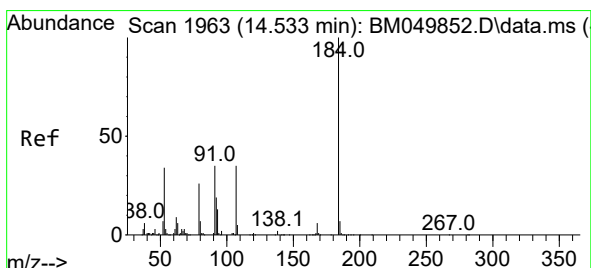
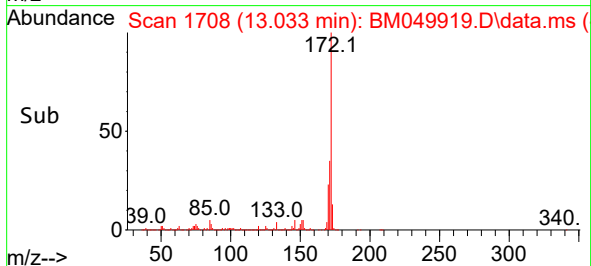
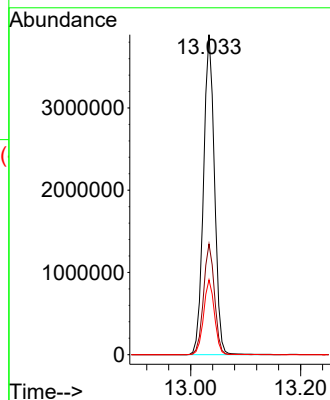
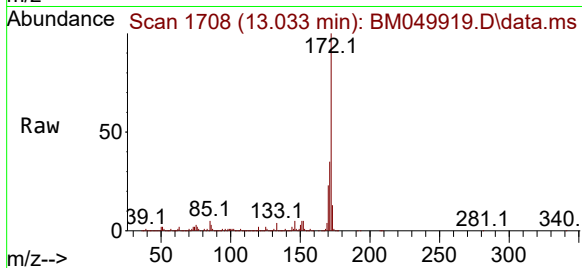
Tgt Ion:172 Resp: 5409747

Ion Ratio Lower Upper

172 100

171 34.6 27.4 41.2

170 23.4 18.6 28.0



#54

2,4-Dinitrophenol

Concen: 7.230 ng

RT: 14.504 min Scan# 1958

Delta R.T. -0.029 min

Lab File: BM049919.D

Acq: 14 Apr 2025 18:27

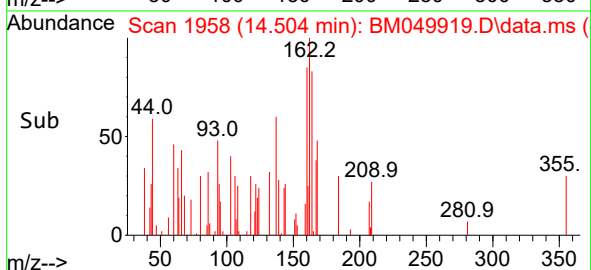
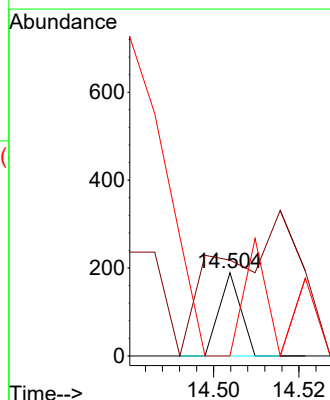
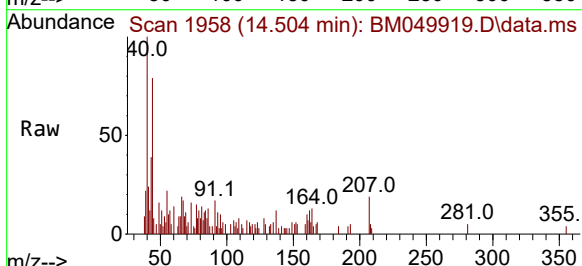
Tgt Ion:184 Resp: 67

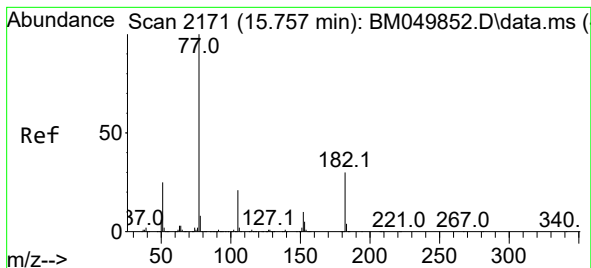
Ion Ratio Lower Upper

184 100

63 115.3 38.4 57.6#

154 0.0 48.1 72.1#





#63

Azobenzene

Concen: 3.584 ng

RT: 15.768 min Scan# 21

Delta R.T. 0.012 min

Lab File: BM049919.D

Acq: 14 Apr 2025 18:27

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion: 77 Resp: 221436

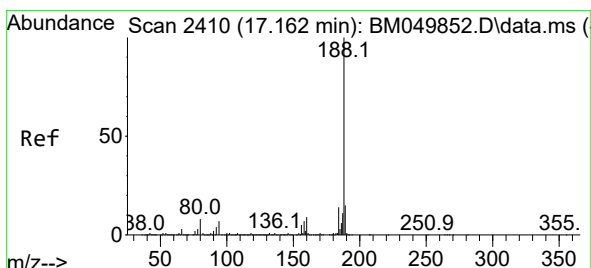
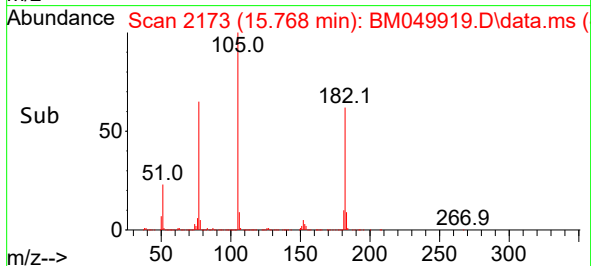
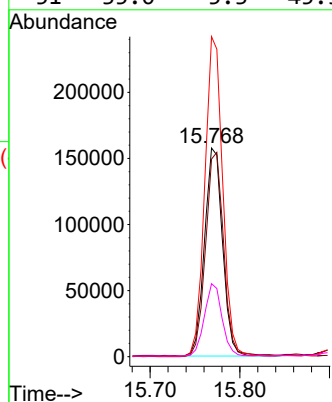
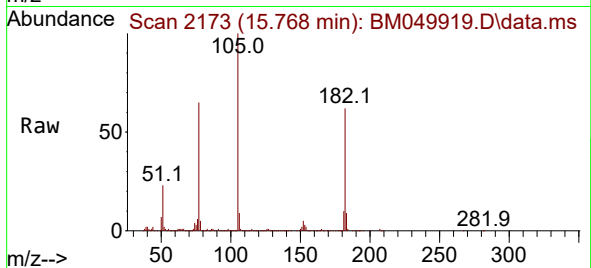
Ion Ratio Lower Upper

77 100

182 94.7 10.4 50.4#

105 153.4 1.5 41.5#

51 35.0 5.3 45.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BM049919.D

Acq: 14 Apr 2025 18:27

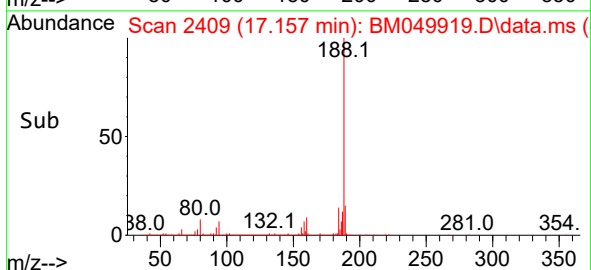
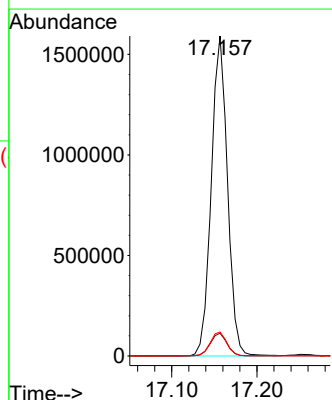
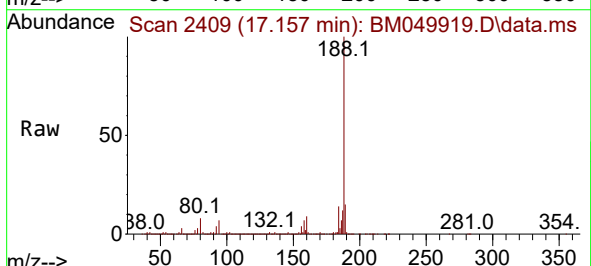
Tgt Ion:188 Resp: 2108834

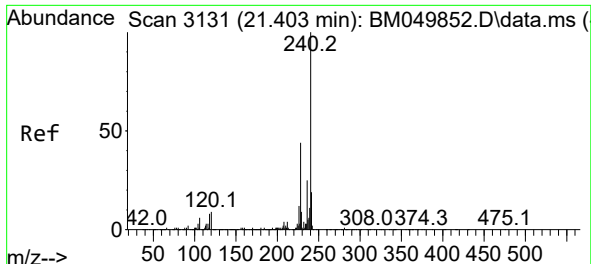
Ion Ratio Lower Upper

188 100

94 7.1 5.8 8.6

80 7.5 6.4 9.6

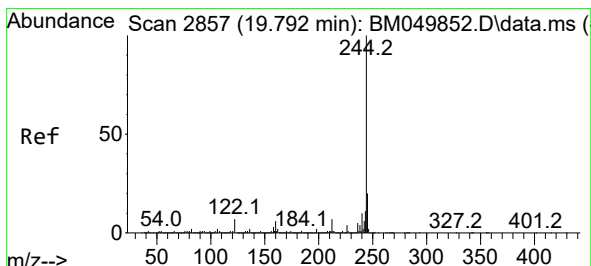
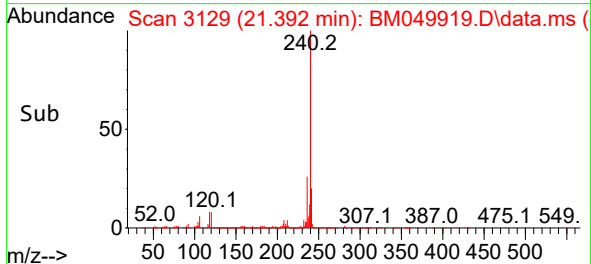
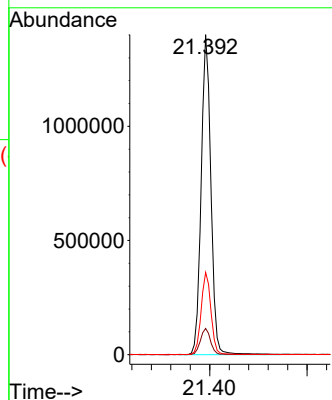
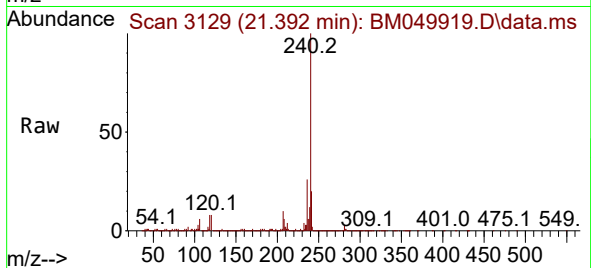




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM049919.D
Acq: 14 Apr 2025 18:27

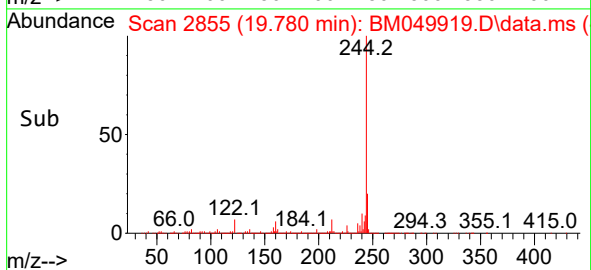
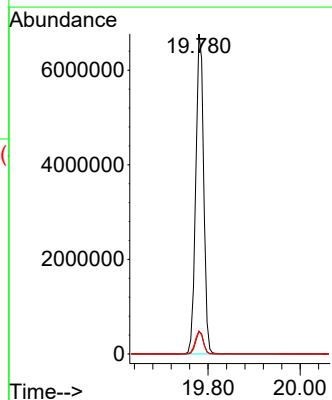
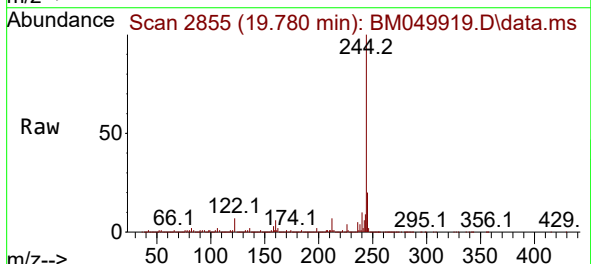
Instrument :
BNA_M
ClientSampleId :
TP-23

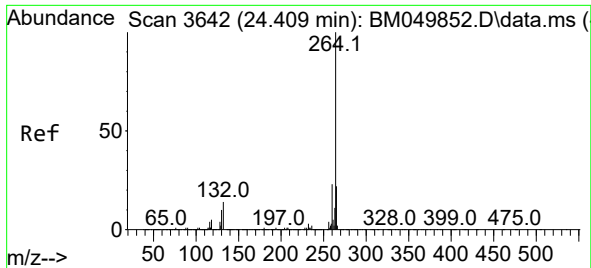
Tgt Ion:240 Resp: 1944393
Ion Ratio Lower Upper
240 100
120 8.2 6.9 10.3
236 25.7 20.4 30.6



#79
Terphenyl-d14
Concen: 77.305 ng
RT: 19.780 min Scan# 2855
Delta R.T. -0.012 min
Lab File: BM049919.D
Acq: 14 Apr 2025 18:27

Tgt Ion:244 Resp: 8020704
Ion Ratio Lower Upper
244 100
212 7.1 5.5 8.3
122 7.2 5.4 8.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.386 min Scan# 30
 Delta R.T. -0.023 min
 Lab File: BM049919.D
 Acq: 14 Apr 2025 18:27

Instrument :
 BNA_M
 ClientSampleId :
 TP-23

Tgt Ion:264 Resp: 1784527
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 28.0
 265 21.8 17.8 26.8

