

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071025\
 Data File : BM050403.D
 Acq On : 10 Jul 2025 23:59
 Operator : RC/JU
 Sample : Q2543-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-23-99

Quant Time: Jul 11 01:29:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 08 18:32:25 2025
 Response via : Initial Calibration

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

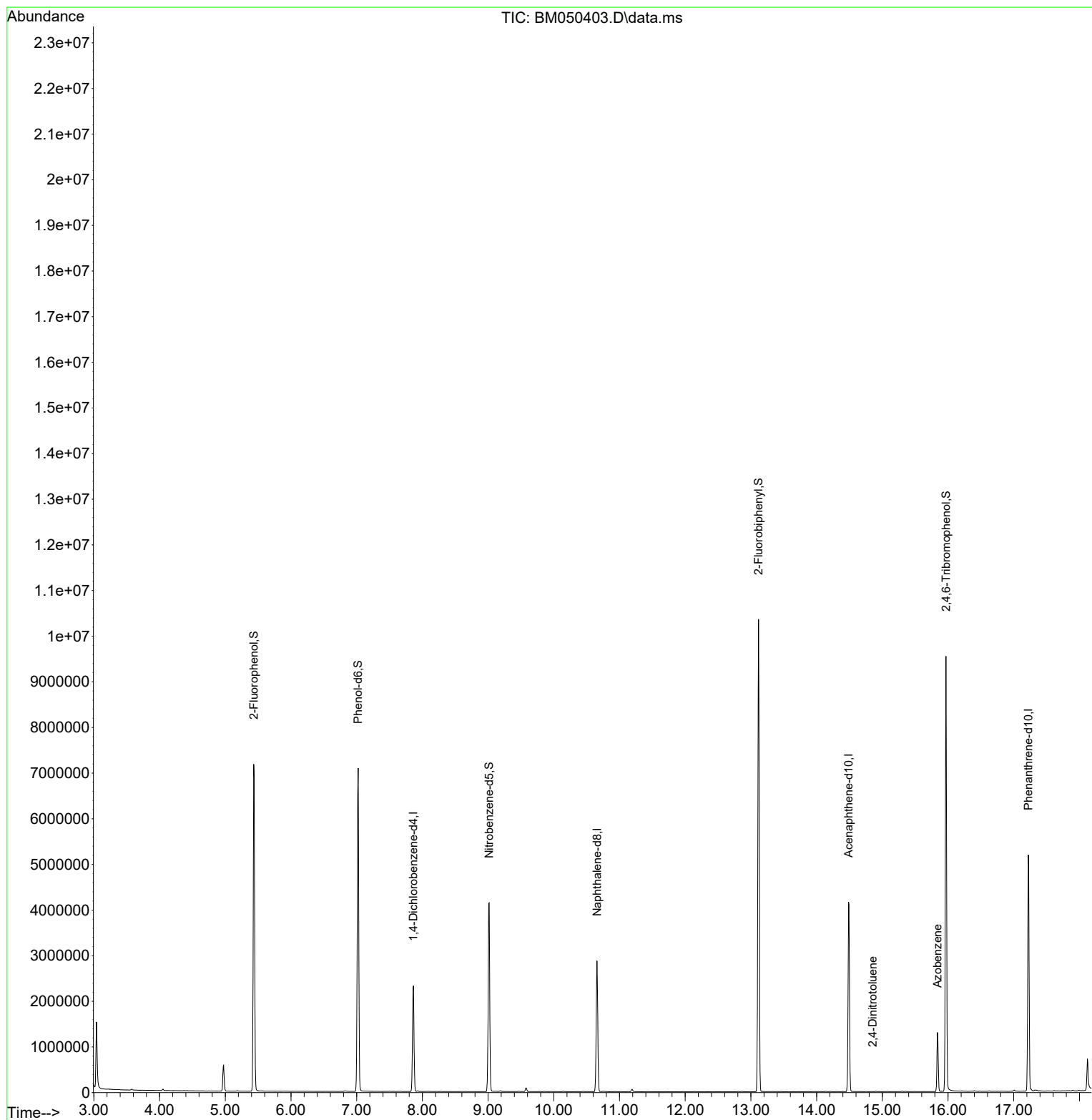
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	639438	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	2330149	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	1499849	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	3029764	20.000	ng	0.00
76) Chrysene-d12	21.444	240	3157432	20.000	ng	-0.01
86) Perylene-d12	24.480	264	2929698	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	3088026	83.127	ng	0.00
7) Phenol-d6	7.022	99	3921531	83.741	ng	0.00
23) Nitrobenzene-d5	9.016	82	2271663	49.738	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	1648470	90.459	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	5344210	44.003	ng	0.00
79) Terphenyl-d14	19.839	244	9058207	50.476	ng	0.00
Target Compounds						
57) 2,4-Dinitrotoluene	14.851	165	60	2.726	ng	# 25
63) Azobenzene	15.839	77	354881	3.918	ng	# 1

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

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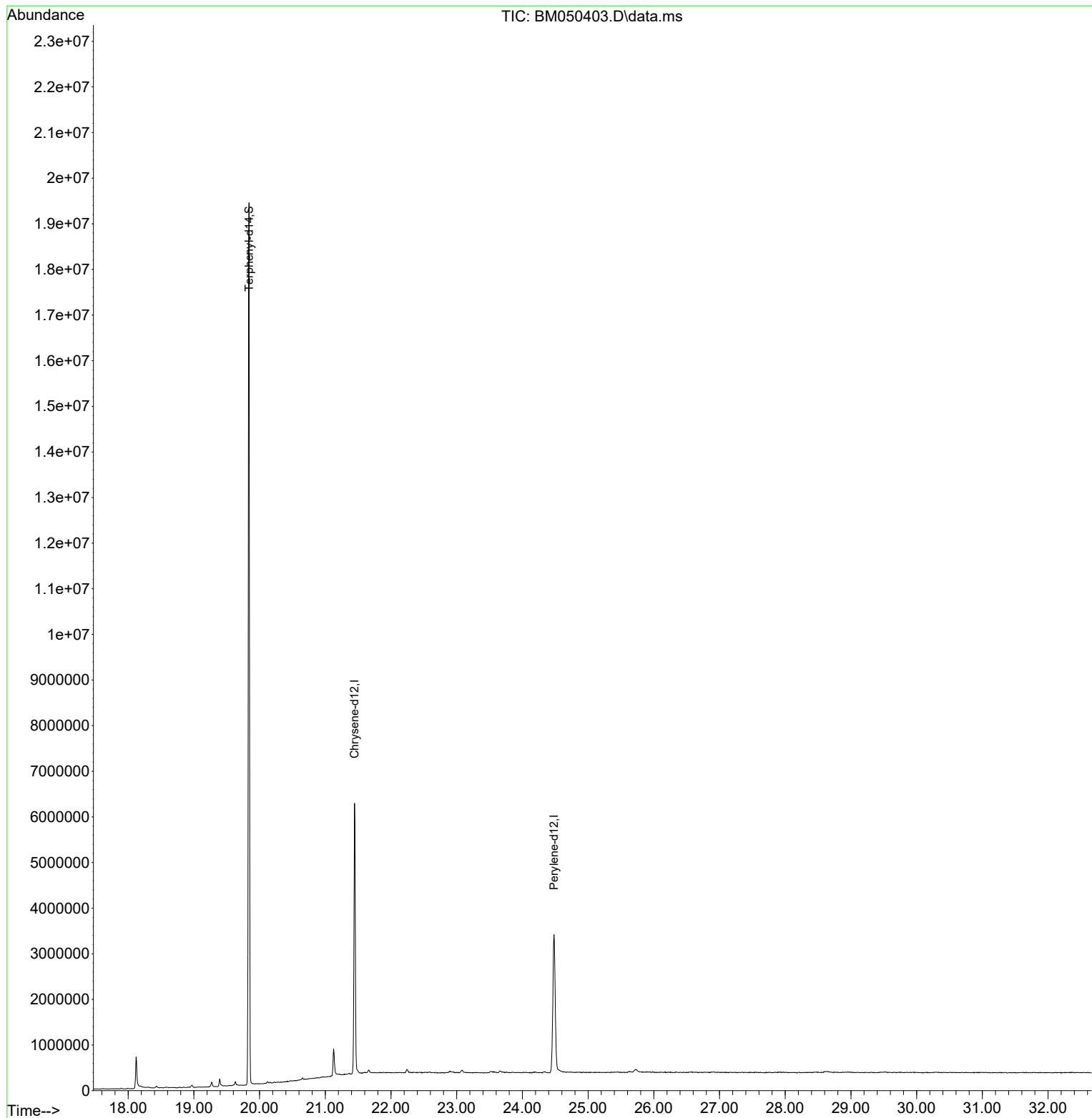
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

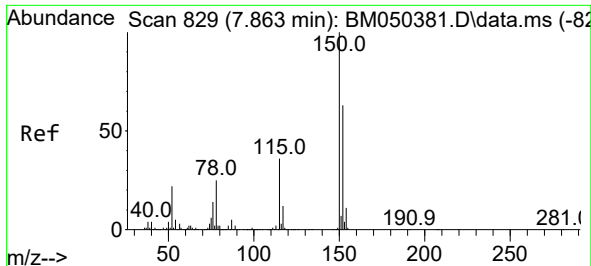


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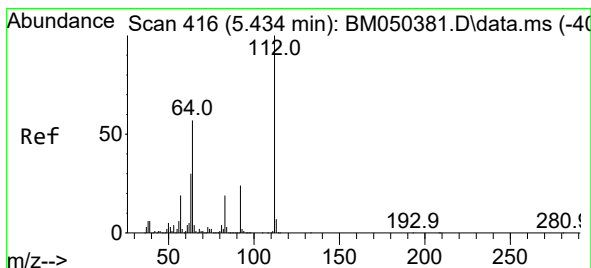
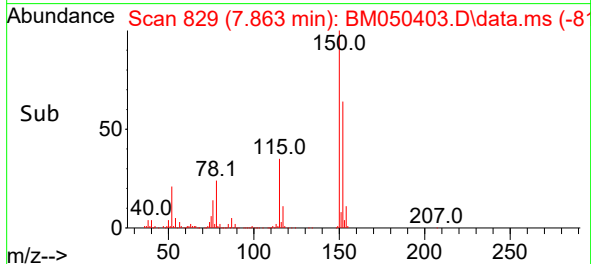
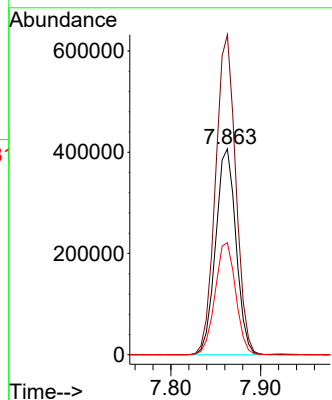
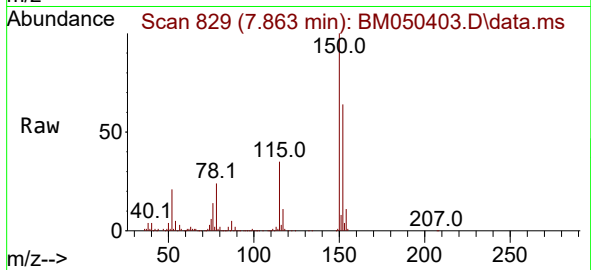




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 829
Delta R.T. -0.000 min
Lab File: BM050403.D
Acq: 10 Jul 2025 23:59

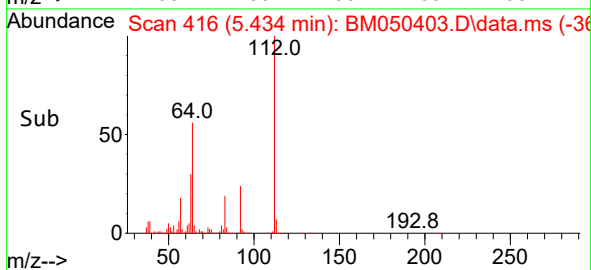
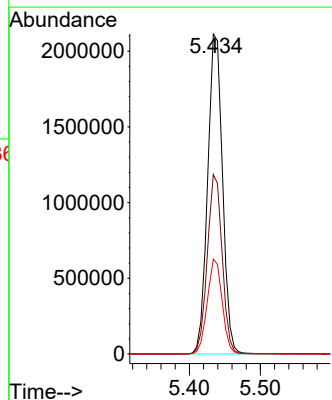
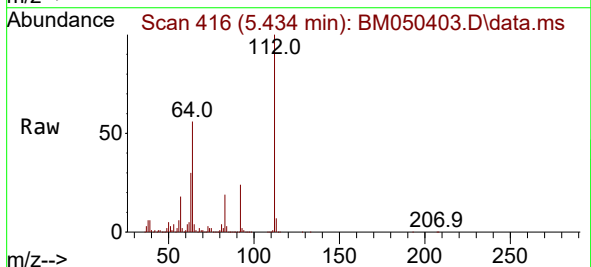
Instrument :
BNA_M
ClientSampleId :
TP-23-99

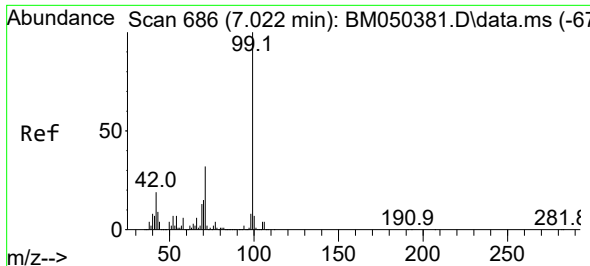
Tgt Ion:152 Resp: 639438
Ion Ratio Lower Upper
152 100
150 155.4 126.2 189.4
115 54.4 45.8 68.8



#5
2-Fluorophenol
Concen: 83.127 ng
RT: 5.434 min Scan# 416
Delta R.T. -0.000 min
Lab File: BM050403.D
Acq: 10 Jul 2025 23:59

Tgt Ion:112 Resp: 3088026
Ion Ratio Lower Upper
112 100
64 56.0 45.5 68.3
63 29.7 24.2 36.4

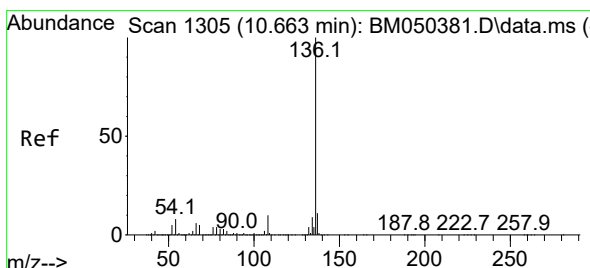
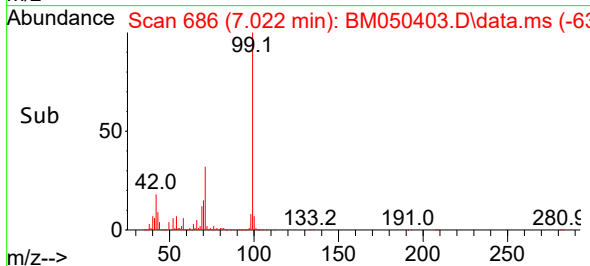
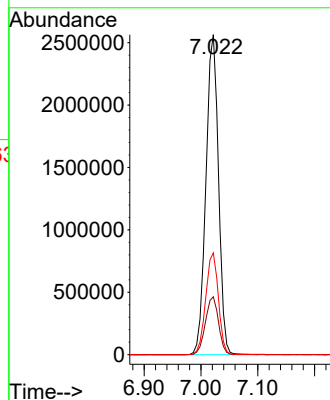
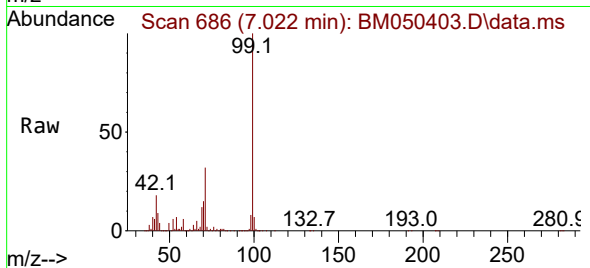




#7
Phenol-d6
Concen: 83.741 ng
RT: 7.022 min Scan# 686
Delta R.T. -0.000 min
Lab File: BM050403.D
Acq: 10 Jul 2025 23:59

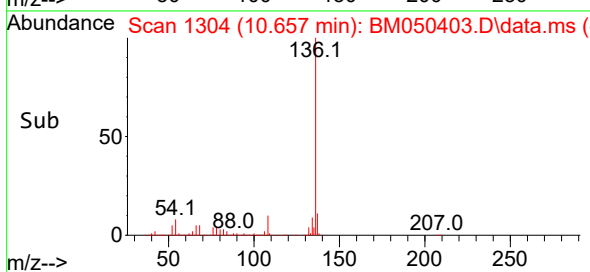
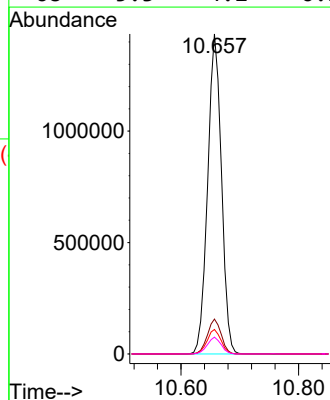
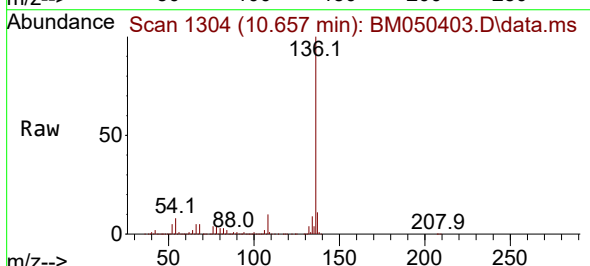
Instrument :
BNA_M
ClientSampleId :
TP-23-99

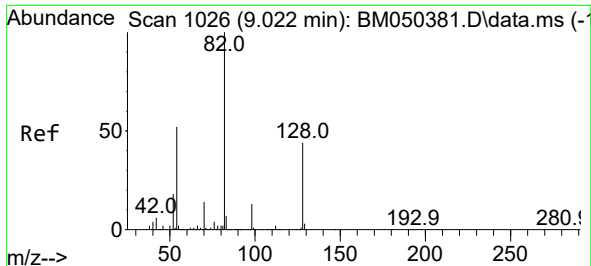
Tgt Ion: 99 Resp: 3921531
Ion Ratio Lower Upper
99 100
42 18.1 15.0 22.6
71 31.8 25.9 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050403.D
Acq: 10 Jul 2025 23:59

Tgt Ion:136 Resp: 2330149
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.7 6.3 9.5
68 5.3 4.2 6.2



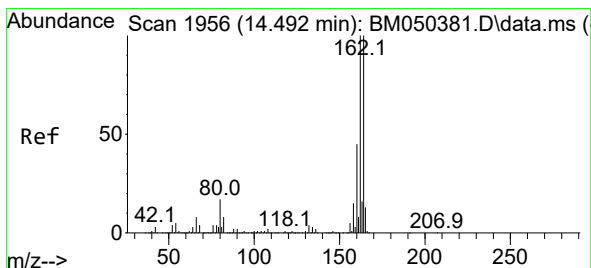
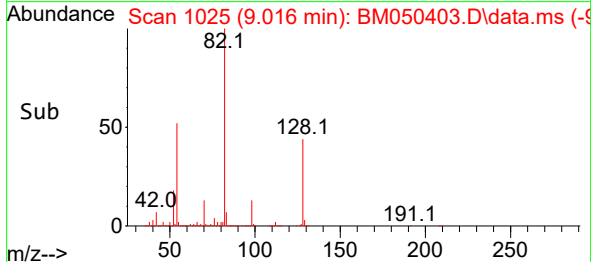
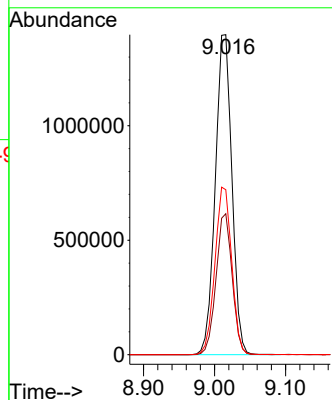
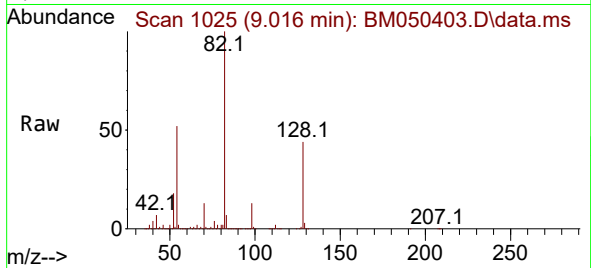


#23
 Nitrobenzene-d5
 Concen: 49.738 ng
 RT: 9.016 min Scan# 1025
 Delta R.T. -0.006 min
 Lab File: BM050403.D
 Acq: 10 Jul 2025 23:59

Instrument :
 BNA_M
 ClientSampleId :
 TP-23-99

Tgt Ion: 82 Resp: 2271663

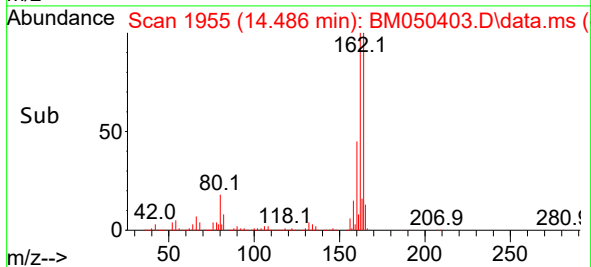
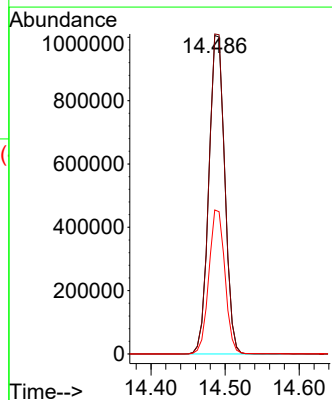
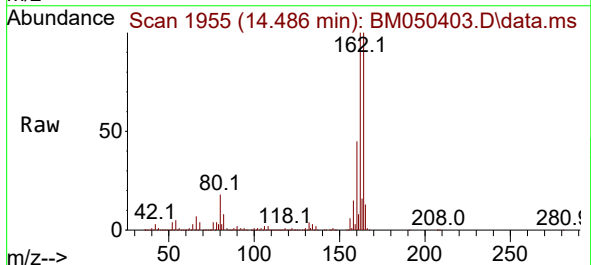
Ion	Ratio	Lower	Upper
82	100		
128	44.0	35.2	52.8
54	51.6	41.5	62.3

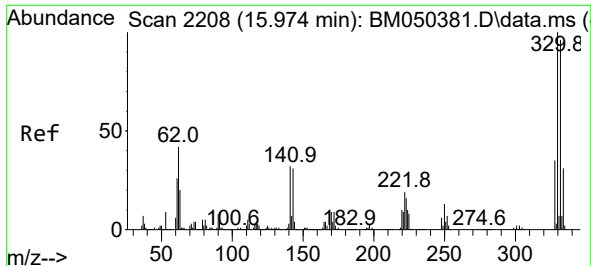


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.486 min Scan# 1955
 Delta R.T. -0.006 min
 Lab File: BM050403.D
 Acq: 10 Jul 2025 23:59

Tgt Ion: 164 Resp: 1499849

Ion	Ratio	Lower	Upper
164	100		
162	100.5	79.9	119.9
160	45.2	36.2	54.4

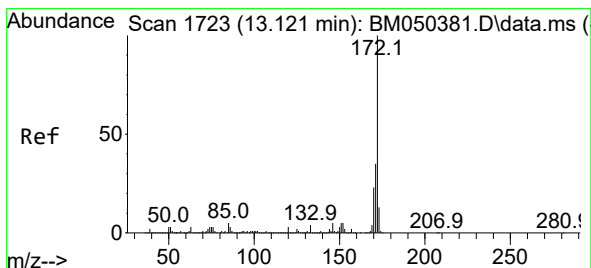
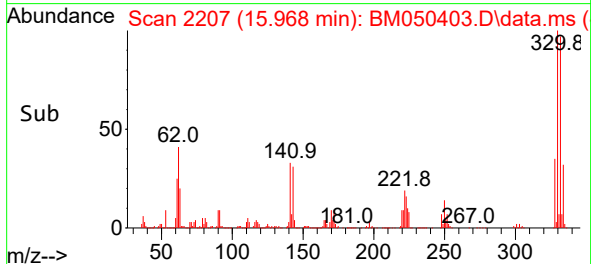
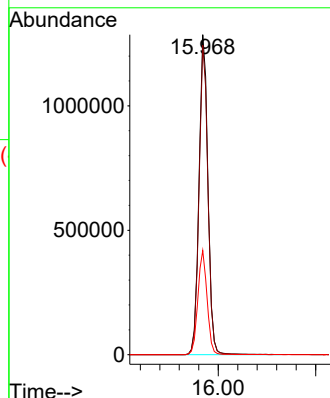
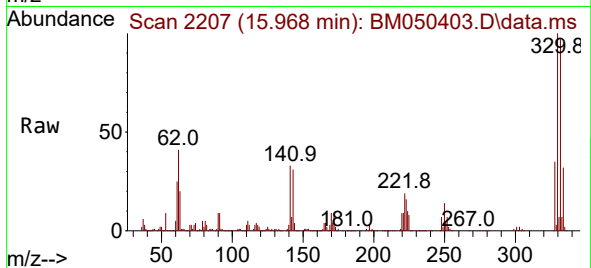




#42
2,4,6-Tribromophenol
Concen: 90.459 ng
RT: 15.968 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050403.D
Acq: 10 Jul 2025 23:59

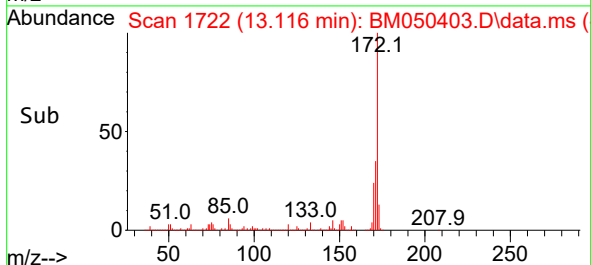
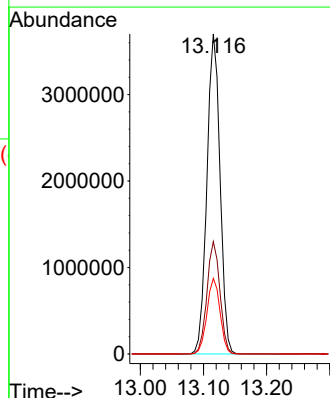
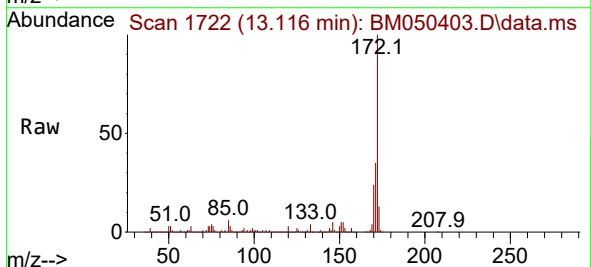
Instrument :
BNA_M
ClientSampleId :
TP-23-99

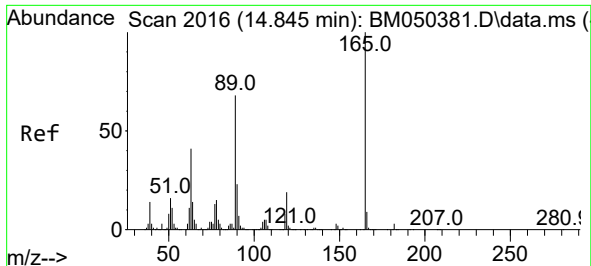
Tgt Ion:330 Resp: 1648470
Ion Ratio Lower Upper
330 100
332 96.3 76.9 115.3
141 33.6 27.4 41.0



#45
2-Fluorobiphenyl
Concen: 44.003 ng
RT: 13.116 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BM050403.D
Acq: 10 Jul 2025 23:59

Tgt Ion:172 Resp: 5344210
Ion Ratio Lower Upper
172 100
171 35.1 27.7 41.5
170 23.6 18.8 28.2





#57

2,4-Dinitrotoluene

Concen: 2.726 ng

RT: 14.851 min Scan# 20

Delta R.T. 0.006 min

Lab File: BM050403.D

Acq: 10 Jul 2025 23:59

Instrument :

BNA_M

ClientSampleId :

TP-23-99

Tgt Ion:165 Resp: 60

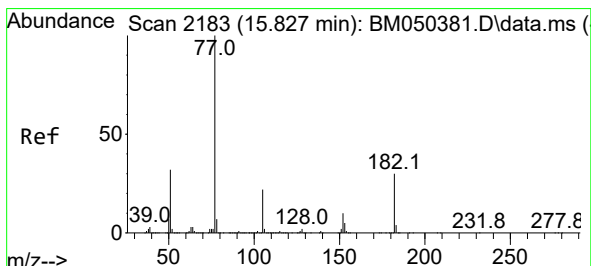
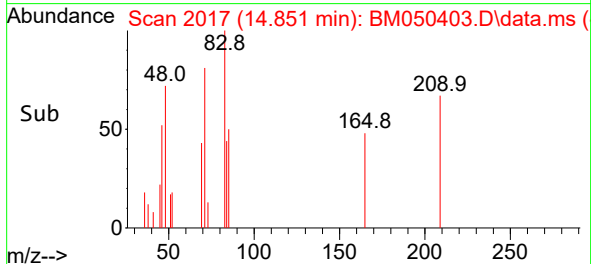
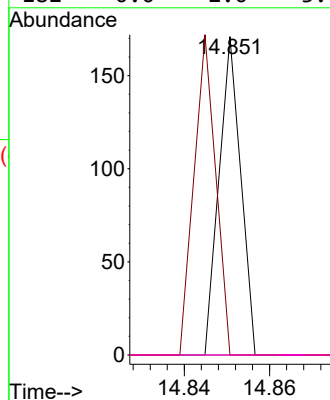
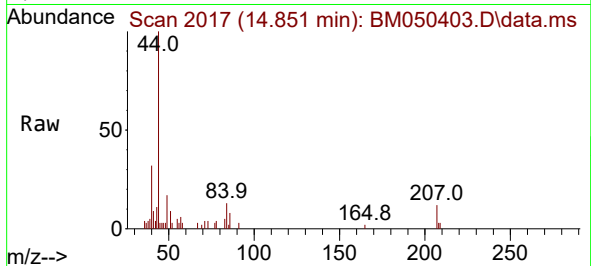
Ion Ratio Lower Upper

165 100

63 0.0 32.5 48.7#

89 0.0 54.0 81.0#

182 0.0 2.0 3.0#



#63

Azobenzene

Concen: 3.918 ng

RT: 15.839 min Scan# 2185

Delta R.T. 0.012 min

Lab File: BM050403.D

Acq: 10 Jul 2025 23:59

Tgt Ion: 77 Resp: 354881

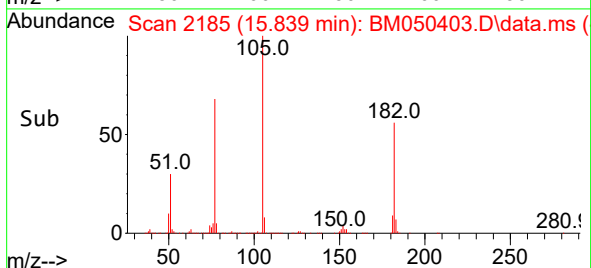
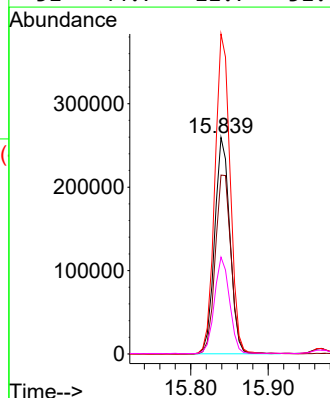
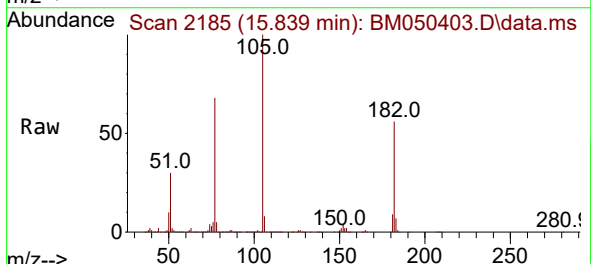
Ion Ratio Lower Upper

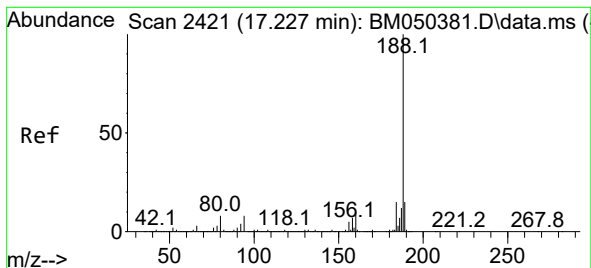
77 100

182 82.7 10.0 50.0#

105 147.8 2.0 42.0#

51 44.7 11.7 51.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.221 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM050403.D

Acq: 10 Jul 2025 23:59

Instrument :

BNA_M

ClientSampleId :

TP-23-99

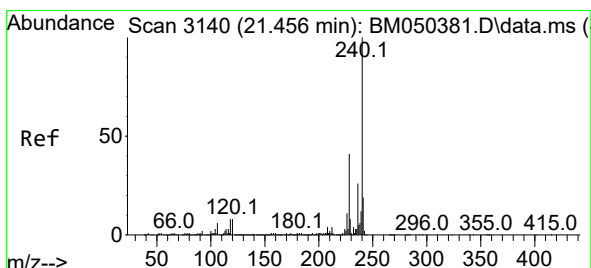
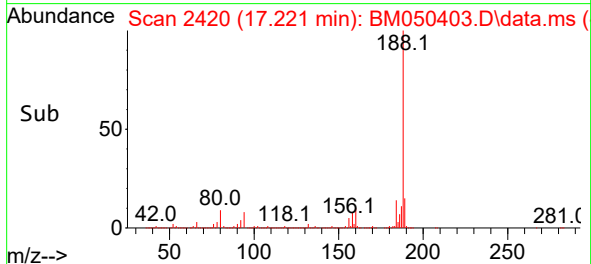
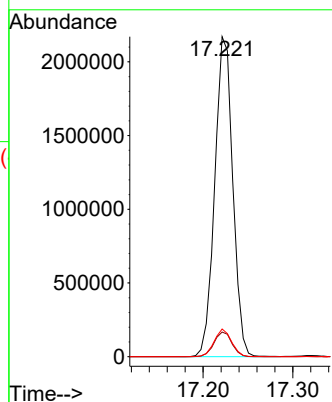
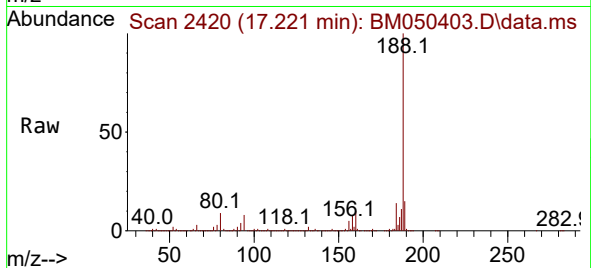
Tgt Ion:188 Resp: 3029764

Ion Ratio Lower Upper

188 100

94 7.7 6.0 9.0

80 8.6 6.5 9.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.444 min Scan# 3138

Delta R.T. -0.012 min

Lab File: BM050403.D

Acq: 10 Jul 2025 23:59

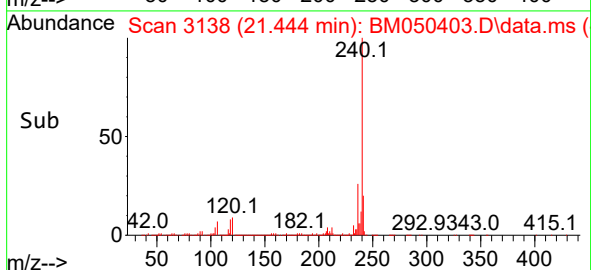
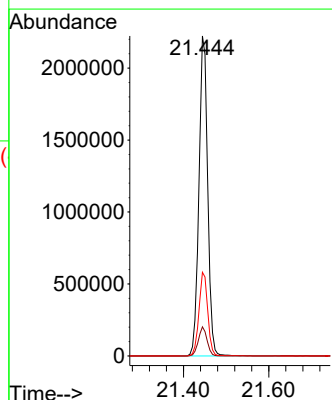
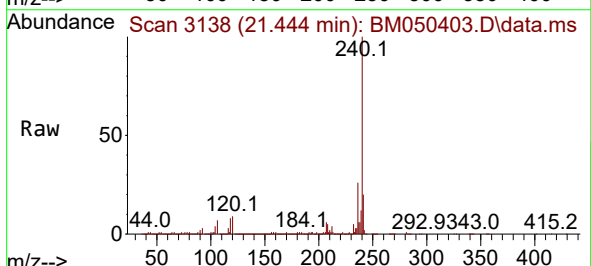
Tgt Ion:240 Resp: 3157432

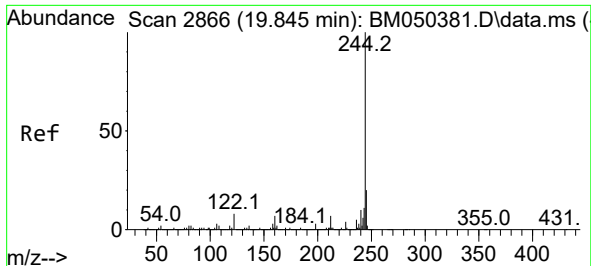
Ion Ratio Lower Upper

240 100

120 9.1 6.7 10.1

236 26.2 20.7 31.1

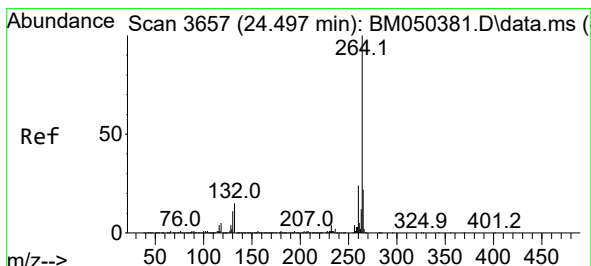
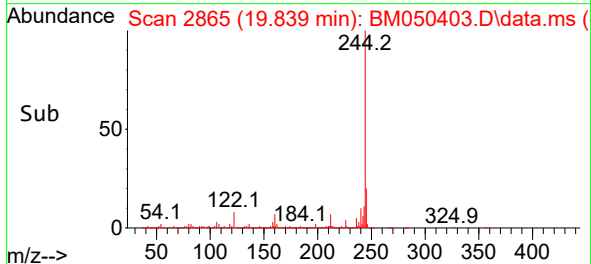
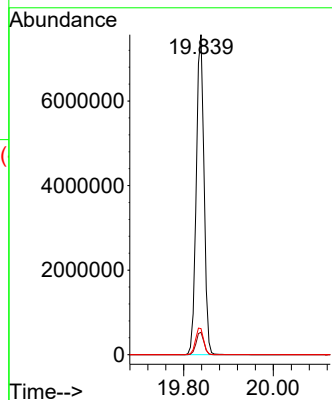
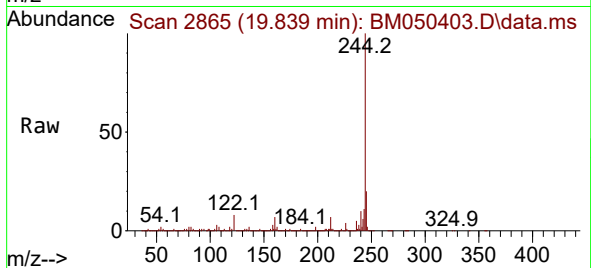




#79
Terphenyl-d14
Concen: 50.476 ng
RT: 19.839 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050403.D
Acq: 10 Jul 2025 23:59

Instrument :
BNA_M
ClientSampleId :
TP-23-99

Tgt Ion:244 Resp: 9058207
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 8.2 6.2 9.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.480 min Scan# 3654
Delta R.T. -0.018 min
Lab File: BM050403.D
Acq: 10 Jul 2025 23:59

Tgt Ion:264 Resp: 2929698
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.7 17.8 26.6

