

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
 Data File : BM050477.D
 Acq On : 17 Jul 2025 16:37
 Operator : RC/JU
 Sample : Q2605-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 V908

Quant Time: Jul 17 17:07:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 16:20:15 2025
 Response via : Initial Calibration

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

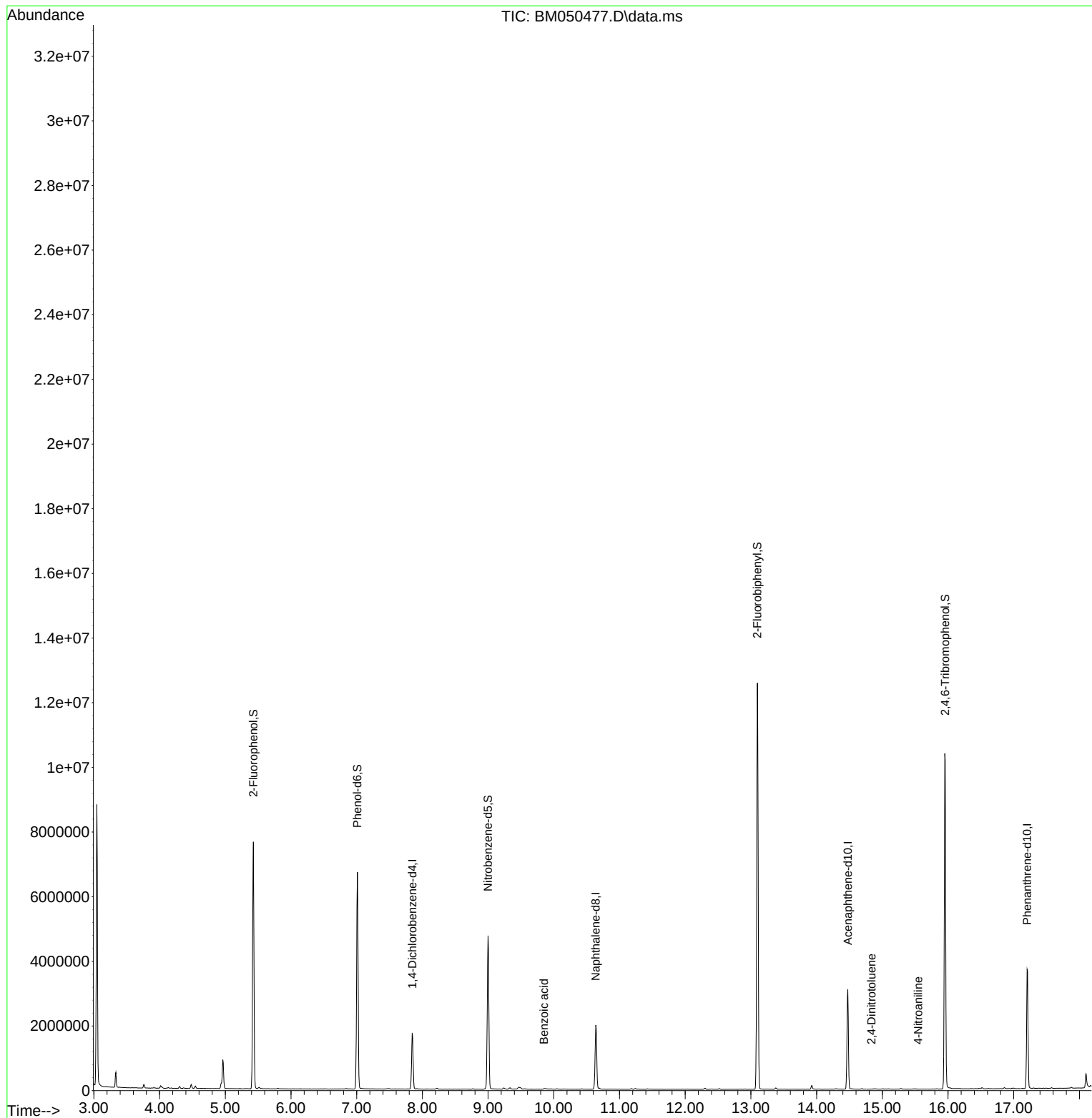
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	491498	20.000	ng	0.00
21) Naphthalene-d8	10.639	136	1719925	20.000	ng	0.00
39) Acenaphthene-d10	14.474	164	1091025	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	2296820	20.000	ng	0.00
76) Chrysene-d12	21.433	240	2469819	20.000	ng	0.00
86) Perylene-d12	24.456	264	2717634	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	3316543	116.152	ng	0.00
7) Phenol-d6	7.010	99	3782401	105.082	ng	0.00
23) Nitrobenzene-d5	8.998	82	2694093	79.915	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	2120838	159.990	ng	0.00
45) 2-Fluorobiphenyl	13.098	172	6790256	76.859	ng	0.00
79) Terphenyl-d14	19.815	244	11967090	85.252	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.851	122	12817	6.675	ng	# 88
57) 2,4-Dinitrotoluene	14.833	165	425	2.743	ng	# 25
62) 4-Nitroaniline	15.545	138	56	2.590	ng	# 20

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

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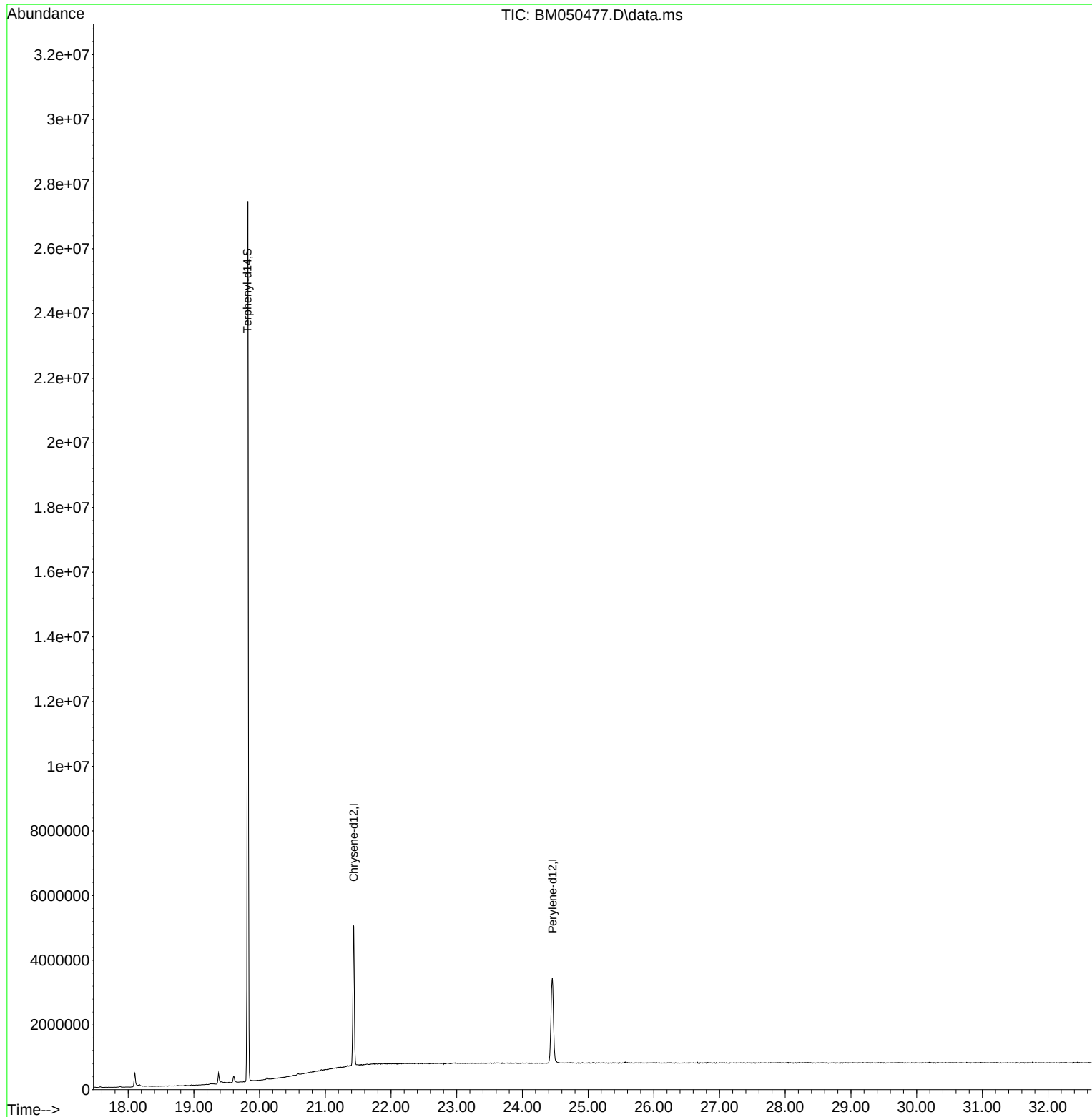
Quant Time: Jul 17 17:07:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

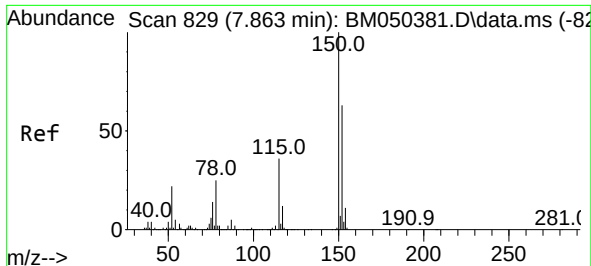


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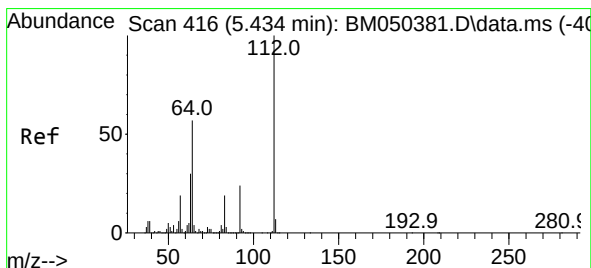
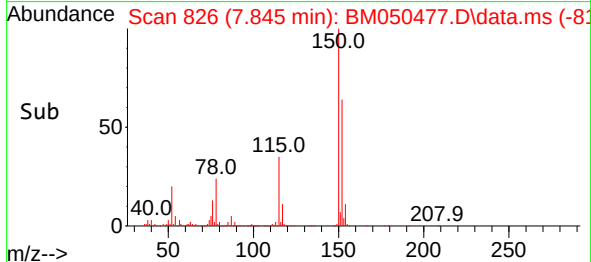
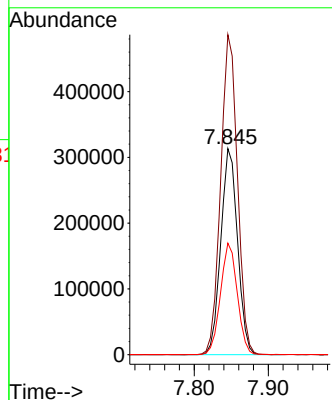
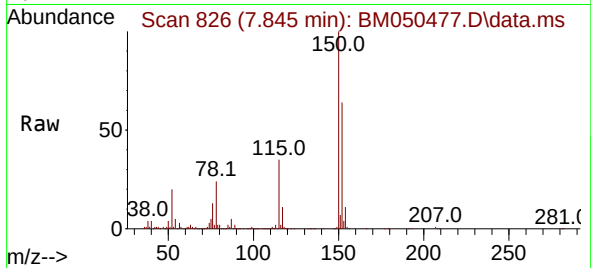




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050477.D
Acq: 17 Jul 2025 16:37

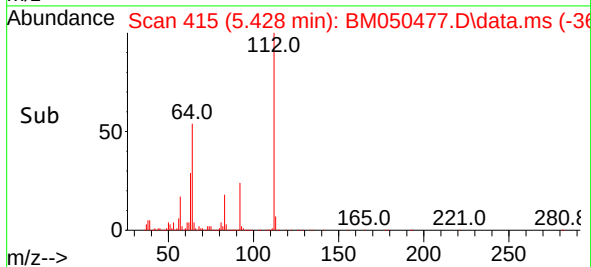
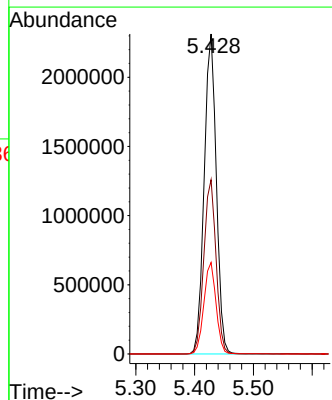
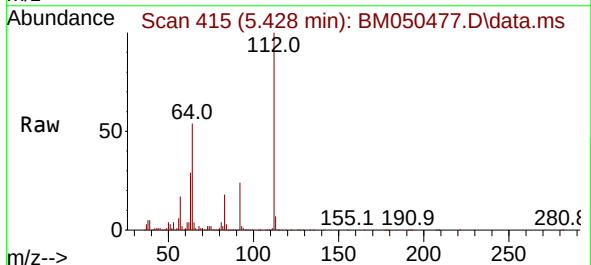
Instrument :
BNA_M
ClientSampleId :
V908

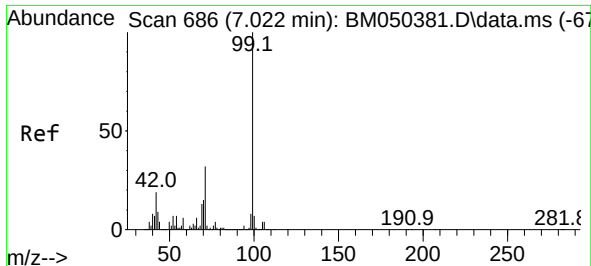
Tgt Ion:152 Resp: 491498
Ion Ratio Lower Upper
152 100
150 155.3 126.2 189.4
115 54.1 45.8 68.8



#5
2-Fluorophenol
Concen: 116.152 ng
RT: 5.428 min Scan# 415
Delta R.T. 0.000 min
Lab File: BM050477.D
Acq: 17 Jul 2025 16:37

Tgt Ion:112 Resp: 3316543
Ion Ratio Lower Upper
112 100
64 54.5 45.5 68.3
63 28.6 24.2 36.4



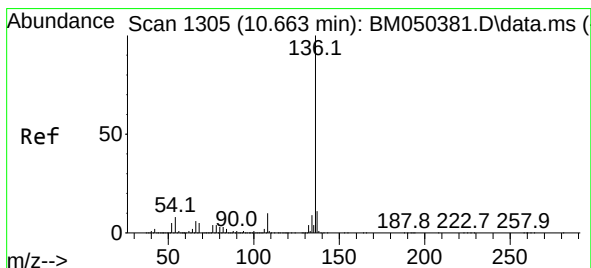
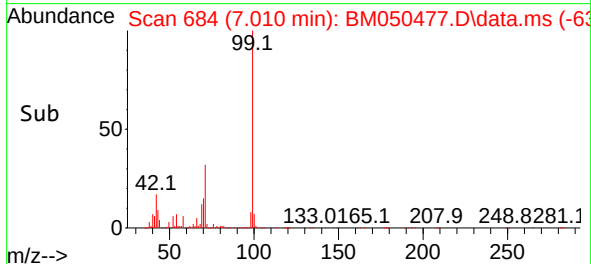
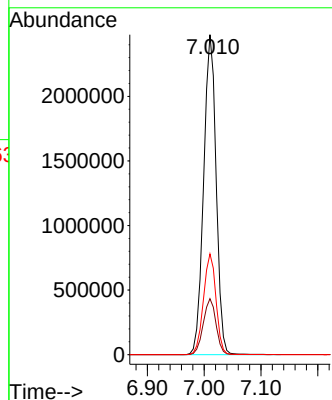
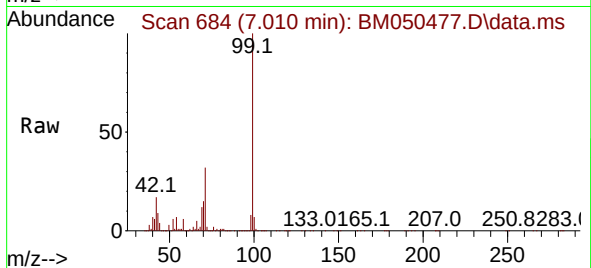


#7
Phenol-d6
Concen: 105.082 ng
RT: 7.010 min Scan# 684
Delta R.T. 0.000 min
Lab File: BM050477.D
Acq: 17 Jul 2025 16:37

Instrument :
BNA_M
ClientSampleId :
V908

Tgt Ion: 99 Resp: 3782401

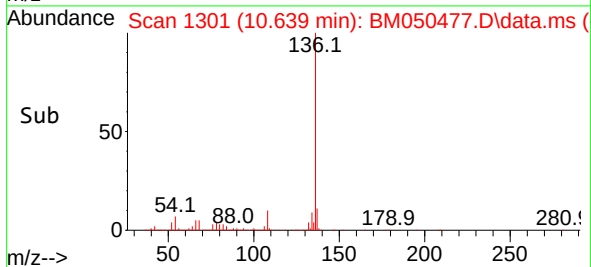
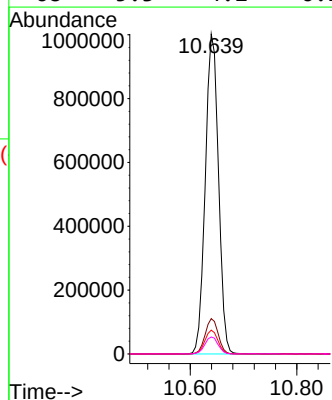
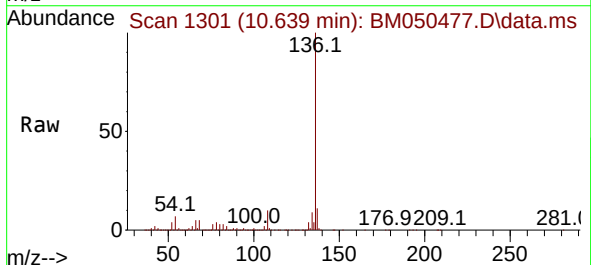
Ion	Ratio	Lower	Upper
99	100		
42	17.5	15.0	22.6
71	31.5	25.9	38.9

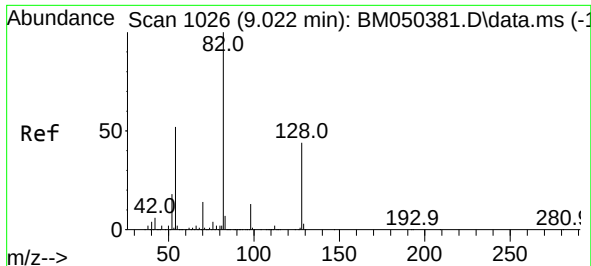


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BM050477.D
Acq: 17 Jul 2025 16:37

Tgt Ion: 136 Resp: 1719925

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.5	6.3	9.5
68	5.3	4.2	6.2

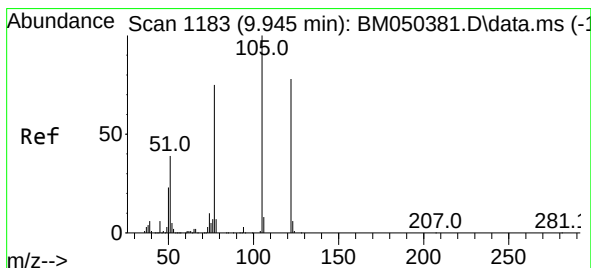
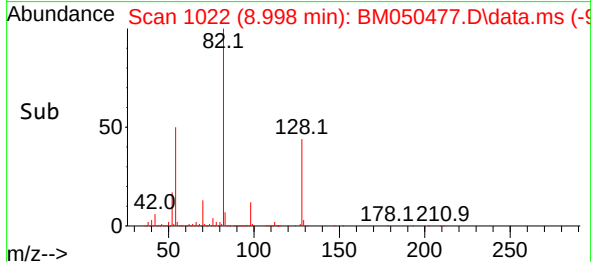
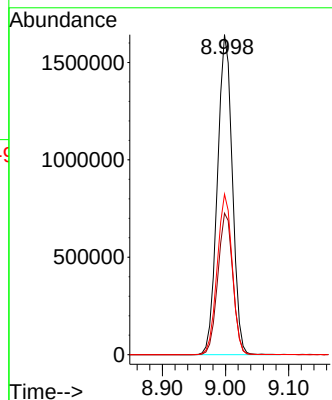
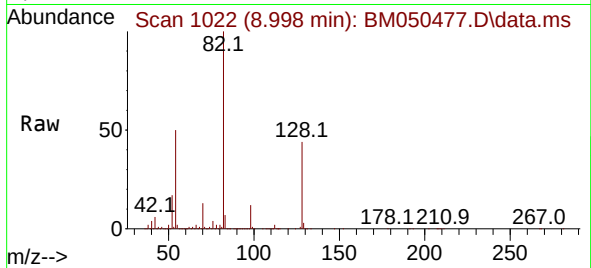




#23
Nitrobenzene-d5
Concen: 79.915 ng
RT: 8.998 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BM050477.D
Acq: 17 Jul 2025 16:37

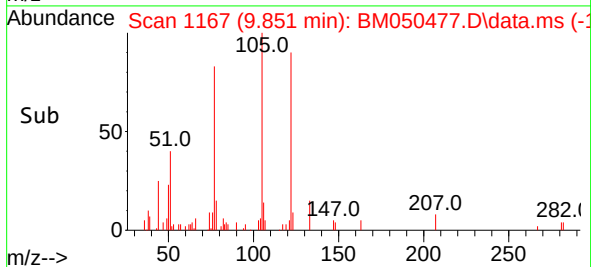
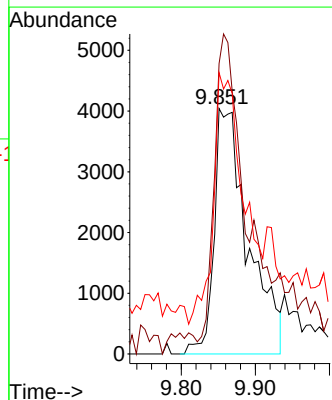
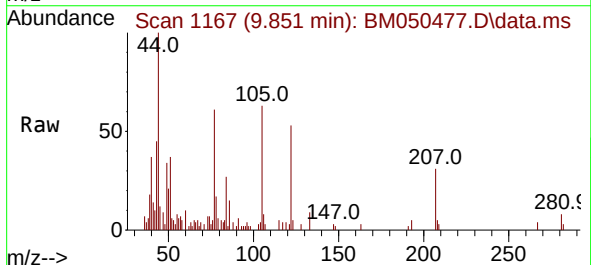
Instrument :
BNA_M
ClientSampleId :
V908

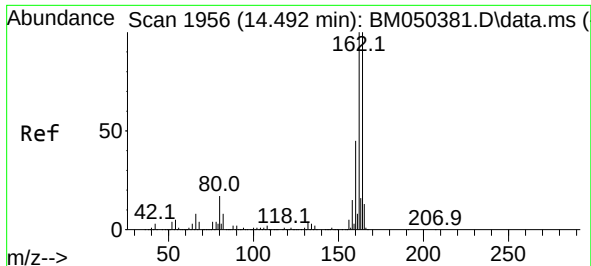
Tgt Ion: 82 Resp: 2694093
Ion Ratio Lower Upper
82 100
128 44.2 35.2 52.8
54 50.2 41.5 62.3



#32
Benzoic acid
Concen: 6.675 ng
RT: 9.851 min Scan# 1167
Delta R.T. -0.082 min
Lab File: BM050477.D
Acq: 17 Jul 2025 16:37

Tgt Ion:122 Resp: 12817
Ion Ratio Lower Upper
122 100
105 118.3 104.0 144.0
77 114.6 73.8 113.8#

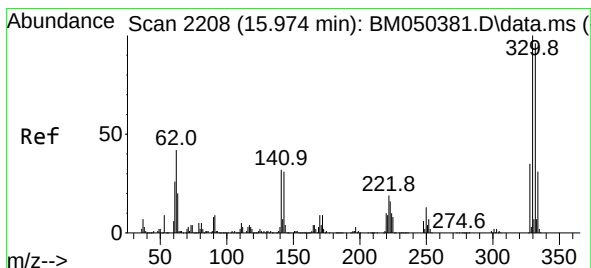
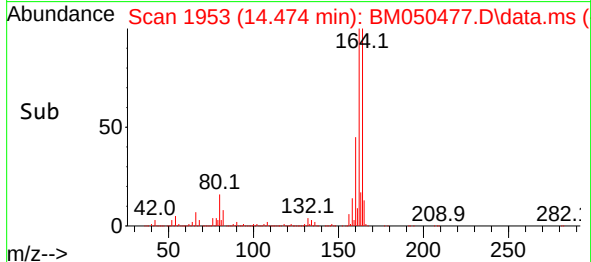
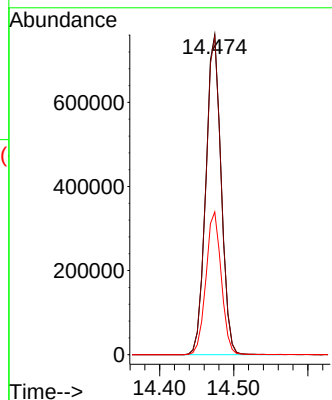
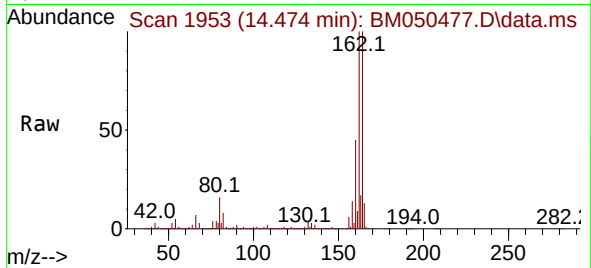




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM050477.D
Acq: 17 Jul 2025 16:37

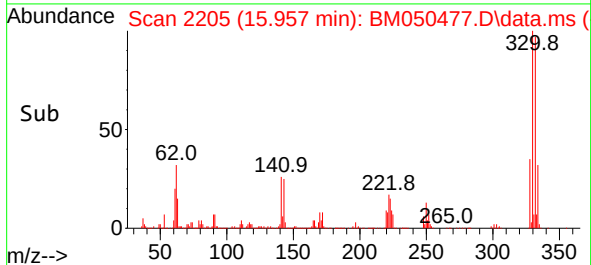
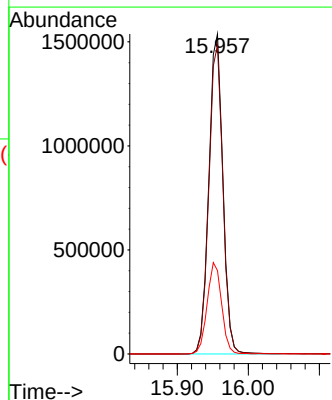
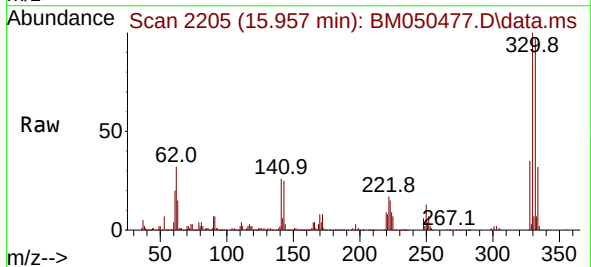
Instrument :
BNA_M
ClientSampleId :
V908

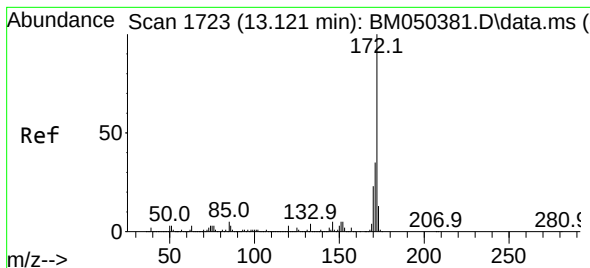
Tgt Ion:164 Resp: 1091025
Ion Ratio Lower Upper
164 100
162 99.5 79.9 119.9
160 44.6 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 159.990 ng
RT: 15.957 min Scan# 2205
Delta R.T. 0.000 min
Lab File: BM050477.D
Acq: 17 Jul 2025 16:37

Tgt Ion:330 Resp: 2120838
Ion Ratio Lower Upper
330 100
332 96.5 76.9 115.3
141 29.4 27.4 41.0





#45

2-Fluorobiphenyl

Concen: 76.859 ng

RT: 13.098 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050477.D

Acq: 17 Jul 2025 16:37

Instrument :

BNA_M

ClientSampleId :

V908

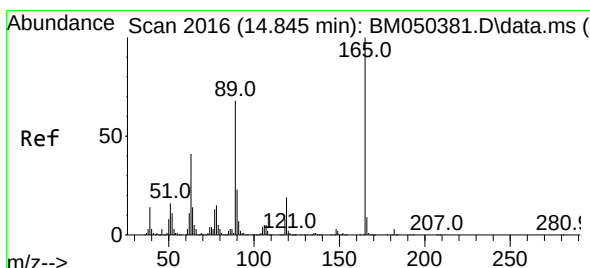
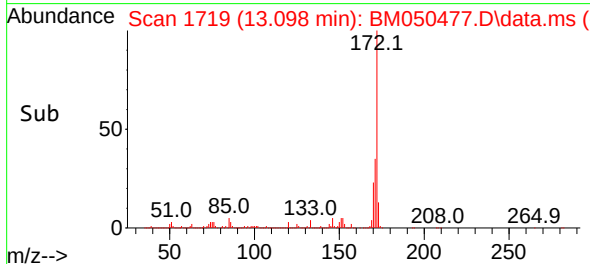
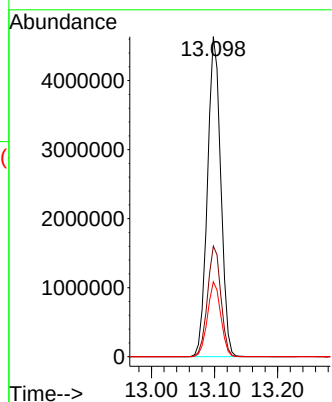
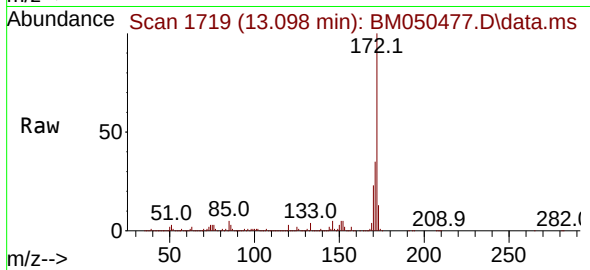
Tgt Ion:172 Resp: 6790256

Ion Ratio Lower Upper

172 100

171 34.5 27.7 41.5

170 23.4 18.8 28.2



#57

2,4-Dinitrotoluene

Concen: 2.743 ng

RT: 14.833 min Scan# 2014

Delta R.T. 0.006 min

Lab File: BM050477.D

Acq: 17 Jul 2025 16:37

Tgt Ion:165 Resp: 425

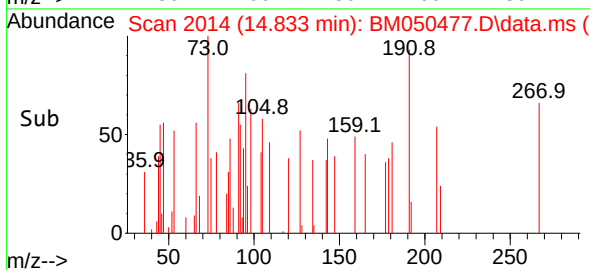
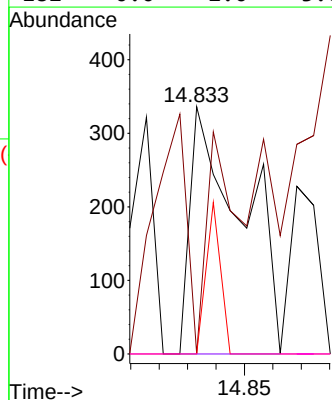
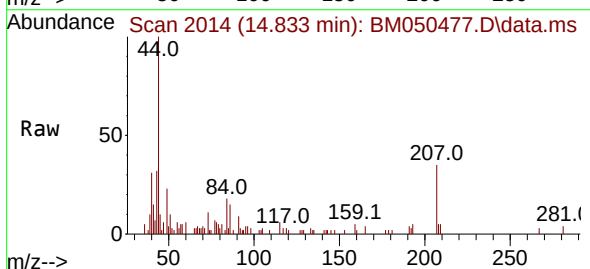
Ion Ratio Lower Upper

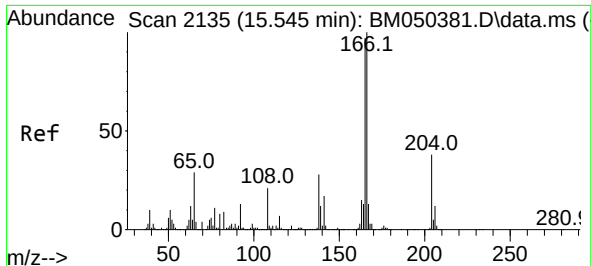
165 100

63 0.0 32.5 48.7#

89 0.0 54.0 81.0#

182 0.0 2.0 3.0#

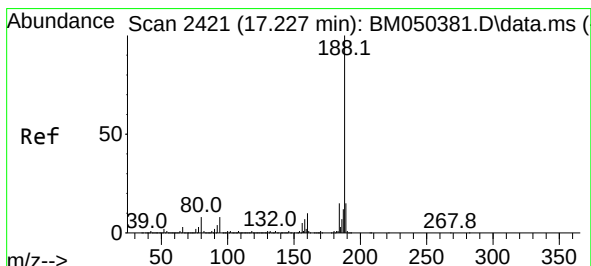
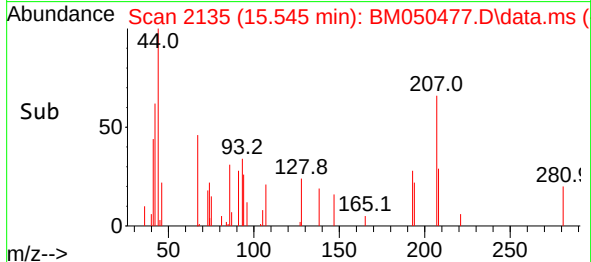
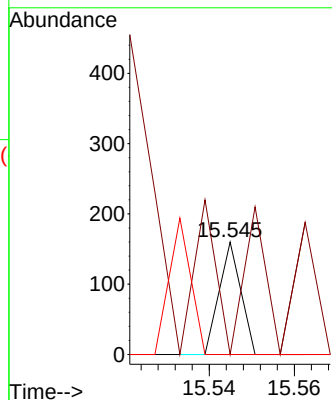
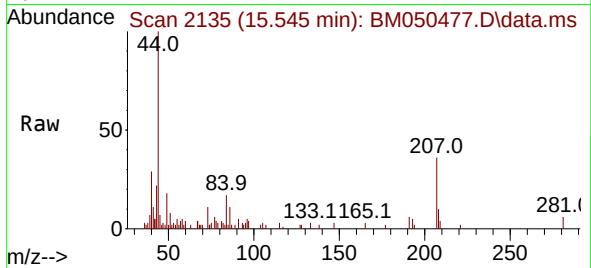




#62
4-Nitroaniline
Concen: 2.590 ng
RT: 15.545 min Scan# 2135
Delta R.T. 0.018 min
Lab File: BM050477.D
Acq: 17 Jul 2025 16:37

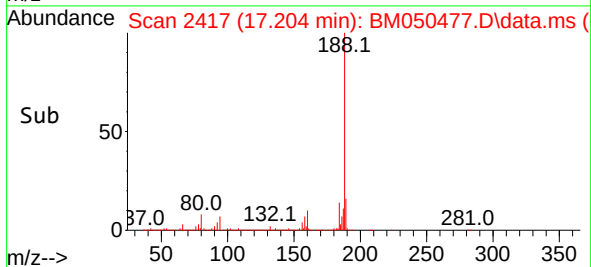
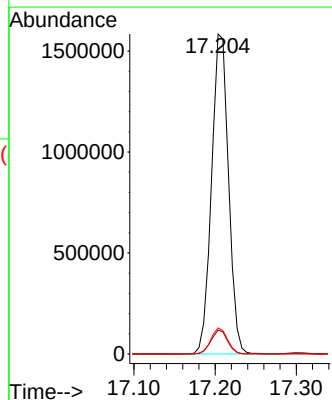
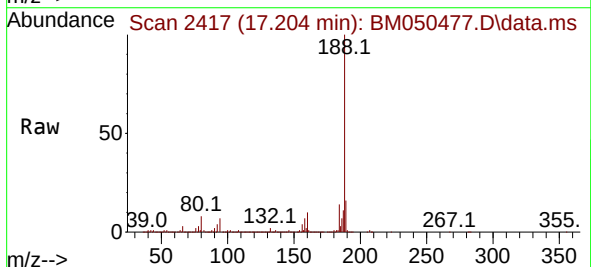
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V908

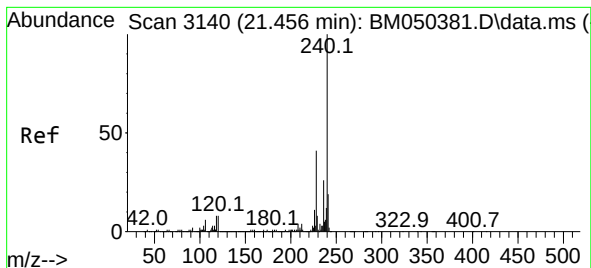
Tgt Ion:138 Resp: 56
Ion Ratio Lower Upper
138 100
92 0.0 24.5 64.5#
108 0.0 52.5 92.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM050477.D
Acq: 17 Jul 2025 16:37

Tgt Ion:188 Resp: 2296820
Ion Ratio Lower Upper
188 100
94 7.4 6.0 9.0
80 8.2 6.5 9.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.433 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM050477.D

Acq: 17 Jul 2025 16:37

Instrument :

BNA_M

ClientSampleId :

V908

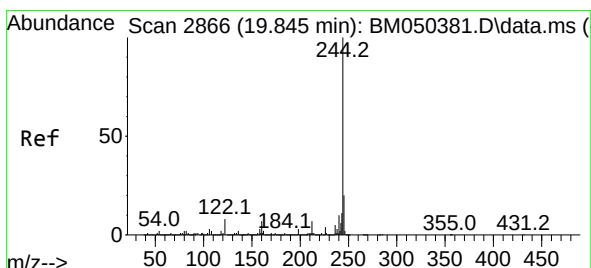
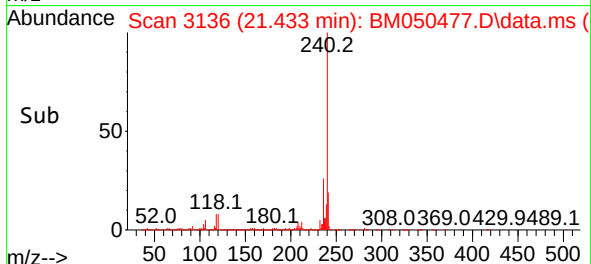
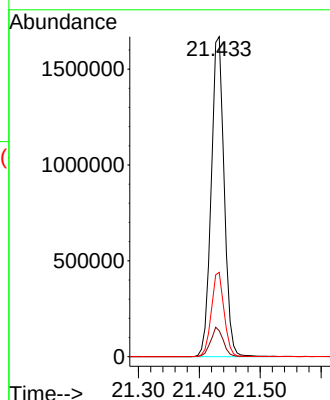
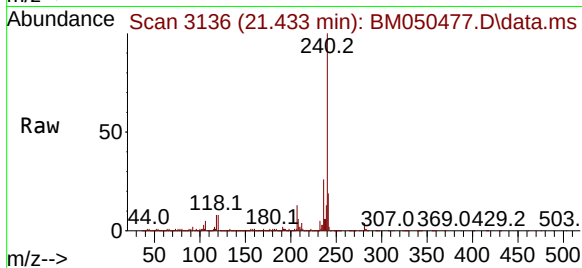
Tgt Ion:240 Resp: 2469819

Ion Ratio Lower Upper

240 100

120 8.1 6.7 10.1

236 26.4 20.7 31.1



#79

Terphenyl-d14

Concen: 85.252 ng

RT: 19.815 min Scan# 2861

Delta R.T. -0.006 min

Lab File: BM050477.D

Acq: 17 Jul 2025 16:37

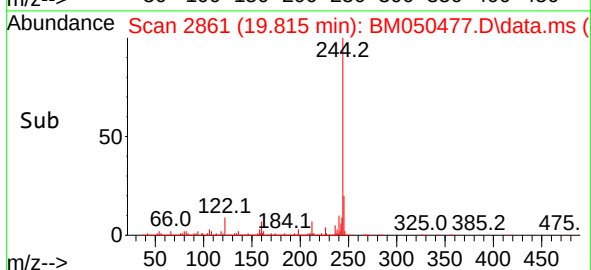
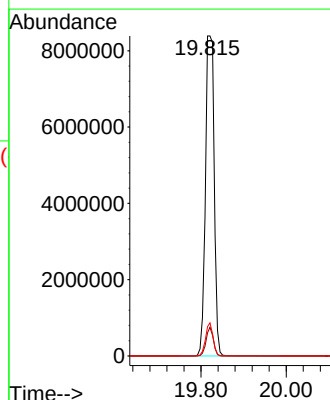
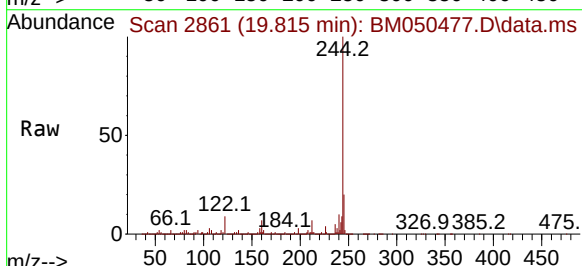
Tgt Ion:244 Resp:11967090

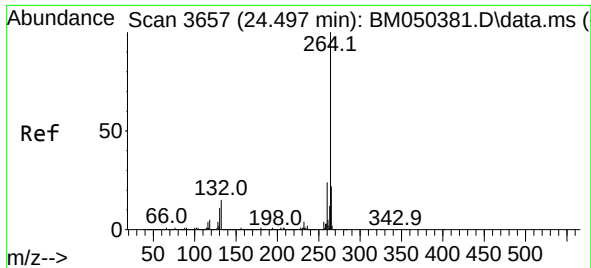
Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

122 9.2 6.2 9.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.456 min Scan# 30
Delta R.T. 0.000 min
Lab File: BM050477.D
Acq: 17 Jul 2025 16:37

Instrument :
BNA_M
ClientSampleId :
V908

Tgt Ion:264 Resp: 2717634
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 22.0 17.8 26.6

