

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071025\
 Data File : BM050390.D
 Acq On : 10 Jul 2025 15:17
 Operator : RC/JU
 Sample : Q2529-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-79

Quant Time: Jul 10 16:04:20 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)

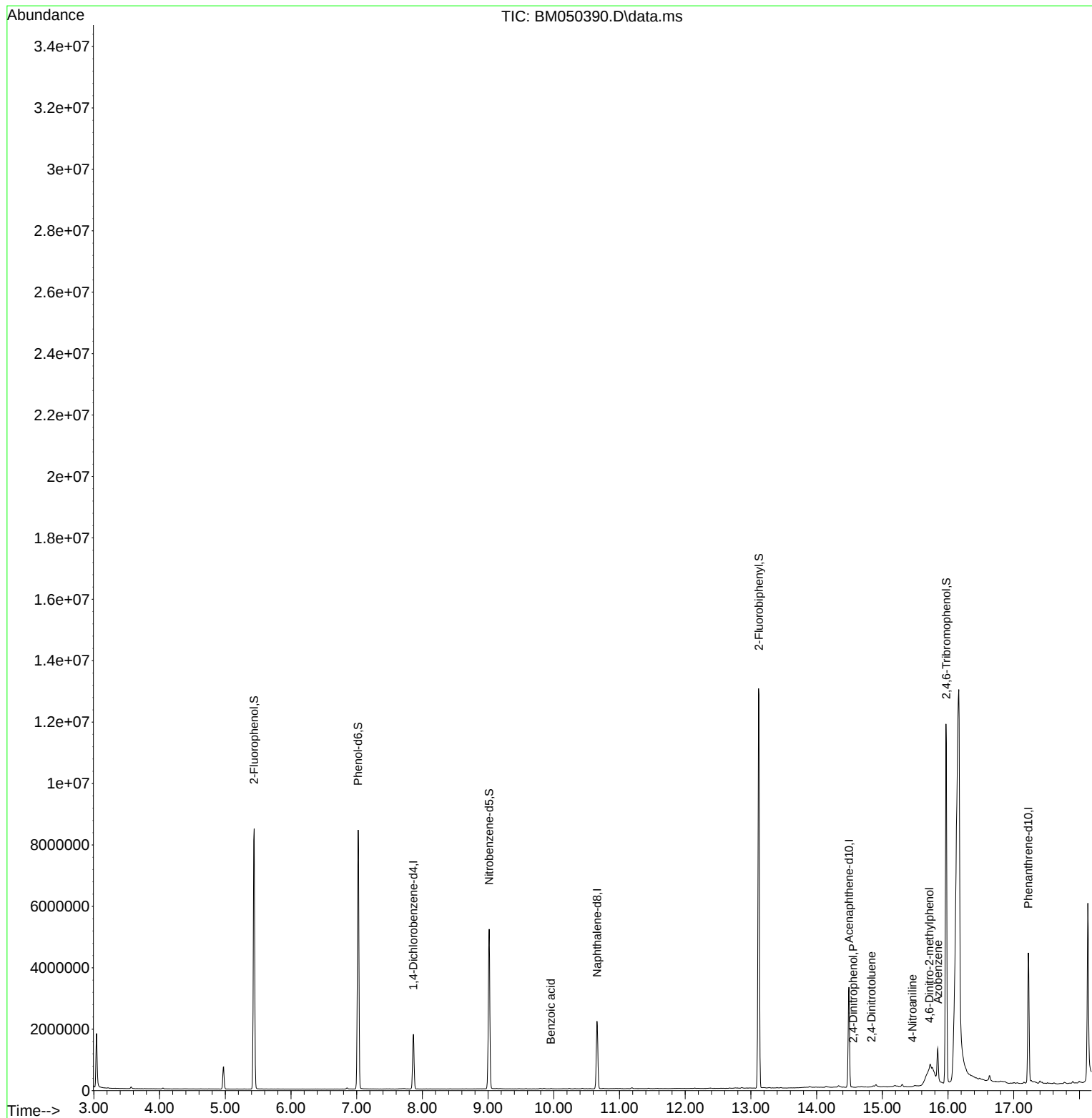
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	494196	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1809486	20.000	ng	0.00
39) Acenaphthene-d10	14.492	164	1160201	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	2509638	20.000	ng	0.00
76) Chrysene-d12	21.450	240	2687321	20.000	ng	0.00
86) Perylene-d12	24.491	264	2766874	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	3659723	127.471	ng	0.00
7) Phenol-d6	7.022	99	4734784	130.822	ng	0.00
23) Nitrobenzene-d5	9.016	82	2813383	79.323	ng	0.00
42) 2,4,6-Tribromophenol	15.974	330	2249896	159.606	ng	0.00
45) 2-Fluorobiphenyl	13.121	172	6961127	74.095	ng	0.00
79) Terphenyl-d14	19.839	244	12283967	80.426	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.957	122	319	5.991	ng	# 44
54) 2,4-Dinitrophenol	14.557	184	64	6.414	ng	# 1
57) 2,4-Dinitrotoluene	14.833	165	3126	2.853	ng	# 89
62) 4-Nitroaniline	15.457	138	326	2.603	ng	# 87
63) Azobenzene	15.845	77	267915	3.824	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.715	198	65	6.307	ng	# 1
87) Indeno(1,2,3-cd)pyrene	28.126	276	445900	2.267	ng	96

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

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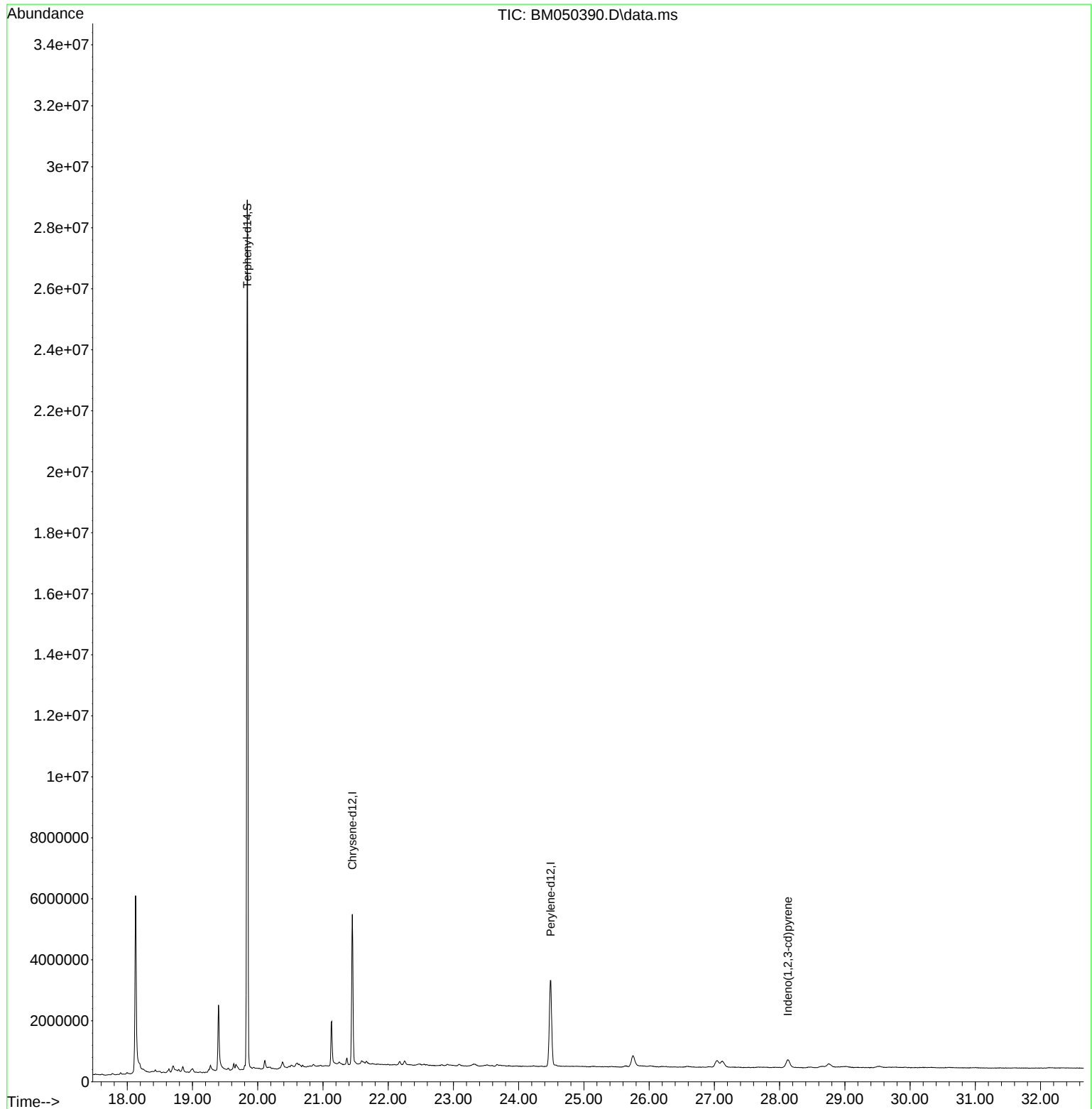
Quant Time: Jul 10 16:04:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

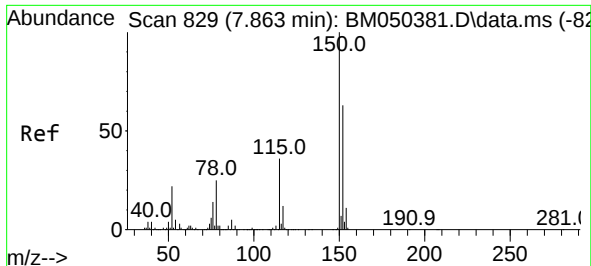


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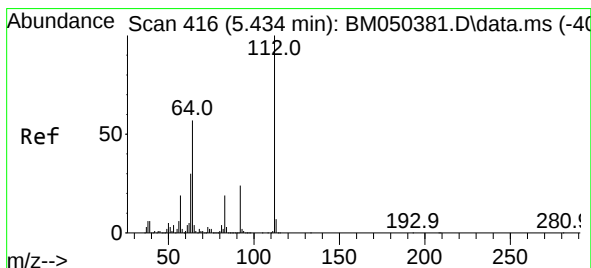
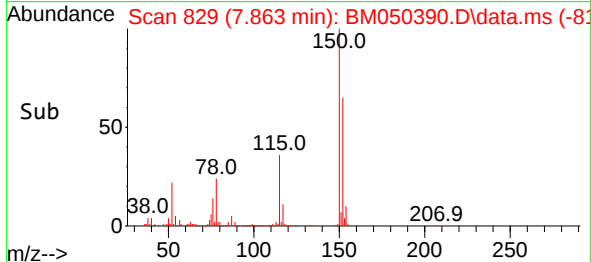
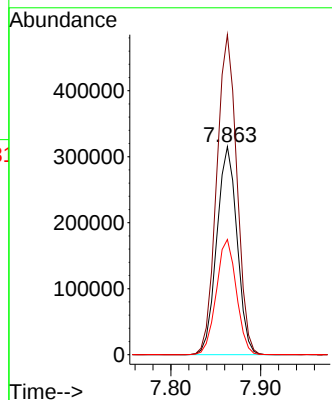
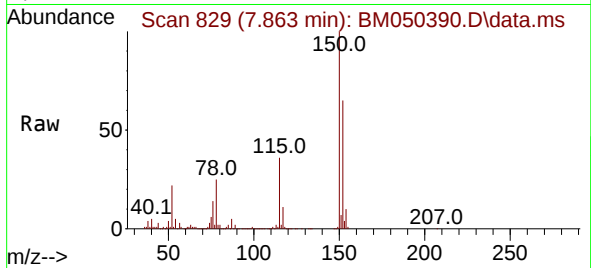




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050390.D
Acq: 10 Jul 2025 15:17

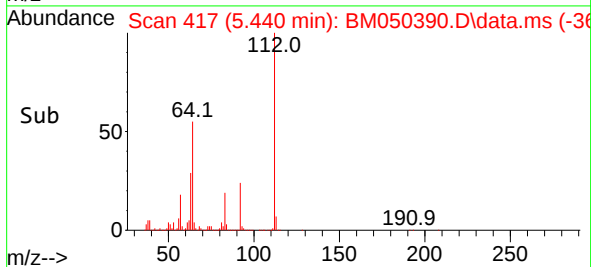
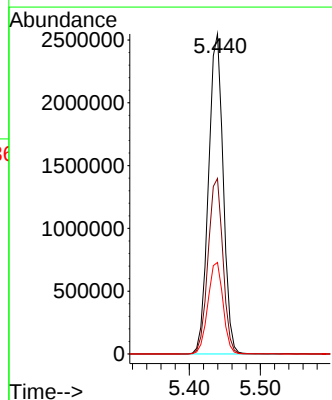
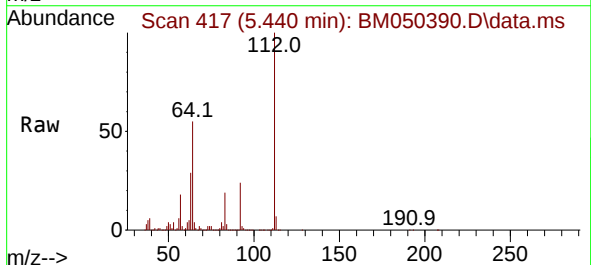
Instrument :
BNA_M
ClientSampleId :
TP-79

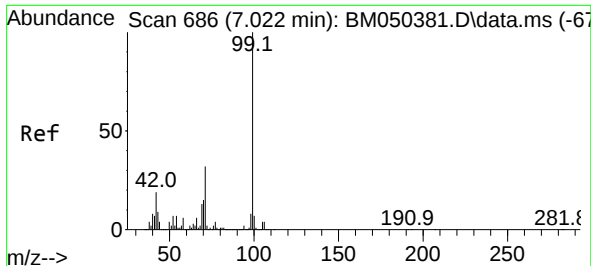
Tgt Ion:152 Resp: 494196
Ion Ratio Lower Upper
152 100
150 153.8 126.2 189.4
115 55.4 45.8 68.8



#5
2-Fluorophenol
Concen: 127.471 ng
RT: 5.440 min Scan# 417
Delta R.T. 0.006 min
Lab File: BM050390.D
Acq: 10 Jul 2025 15:17

Tgt Ion:112 Resp: 3659723
Ion Ratio Lower Upper
112 100
64 54.9 45.5 68.3
63 28.6 24.2 36.4



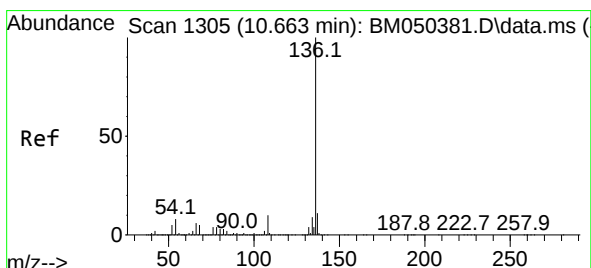
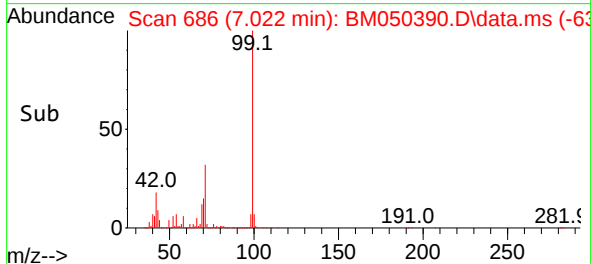
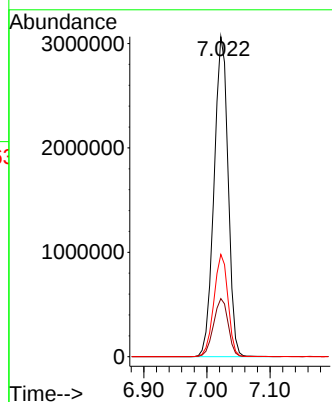
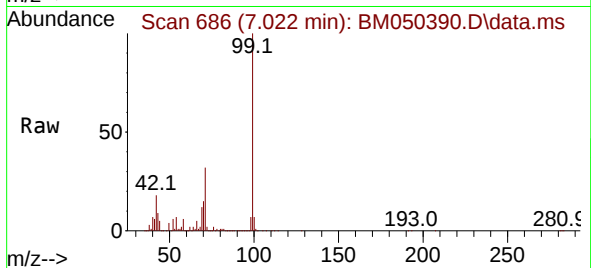


#7
Phenol-d6
Concen: 130.822 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BM050390.D
Acq: 10 Jul 2025 15:17

Instrument :
BNA_M
ClientSampleId :
TP-79

Tgt Ion: 99 Resp: 4734784

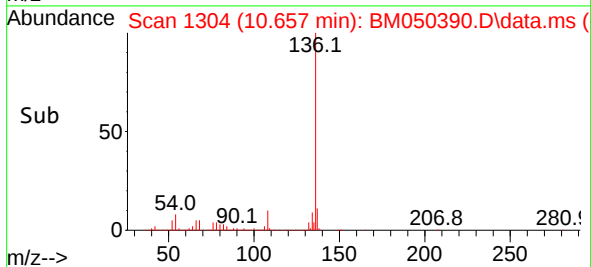
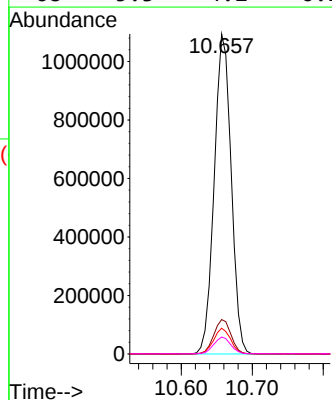
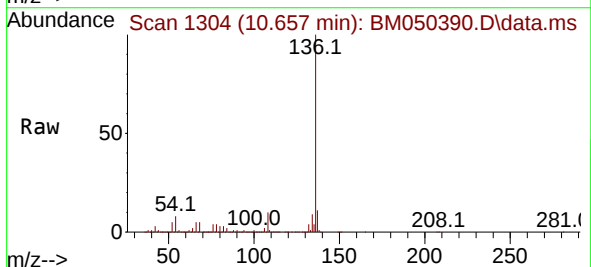
Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.0	22.6
71	32.0	25.9	38.9

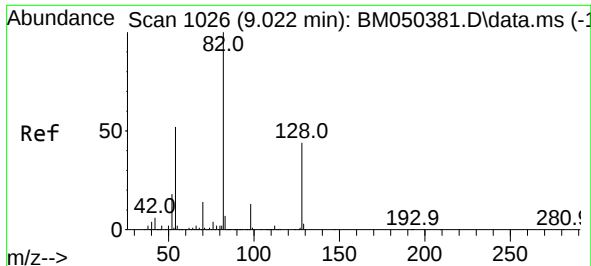


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050390.D
Acq: 10 Jul 2025 15:17

Tgt Ion: 136 Resp: 1809486

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.1	6.3	9.5
68	5.3	4.2	6.2

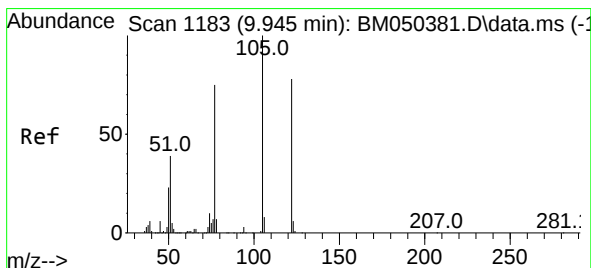
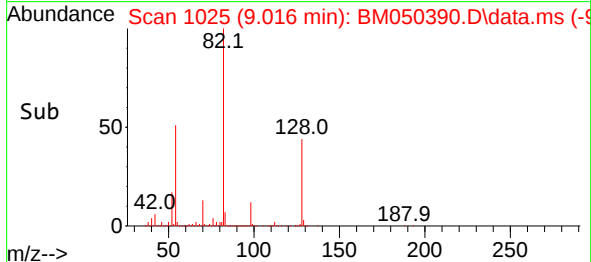
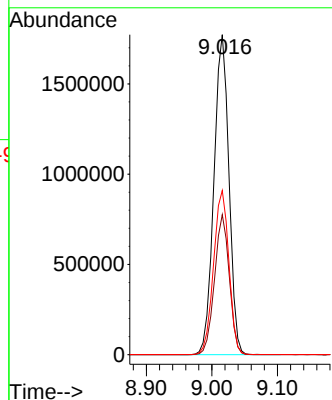
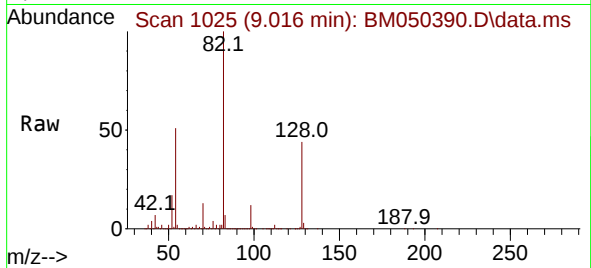




#23
Nitrobenzene-d5
Concen: 79.323 ng
RT: 9.016 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BM050390.D
Acq: 10 Jul 2025 15:17

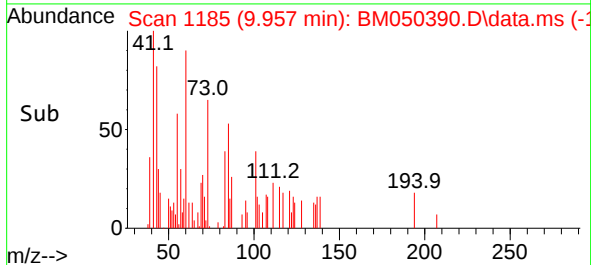
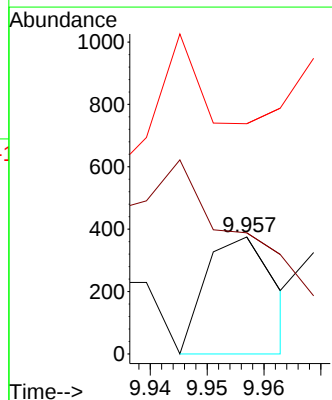
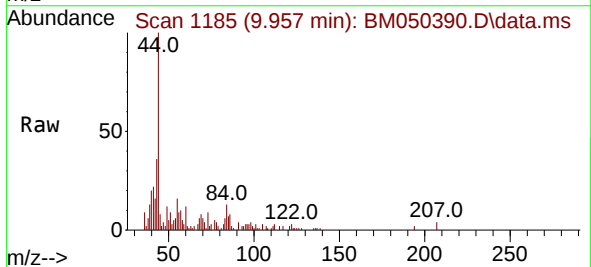
Instrument :
BNA_M
ClientSampleId :
TP-79

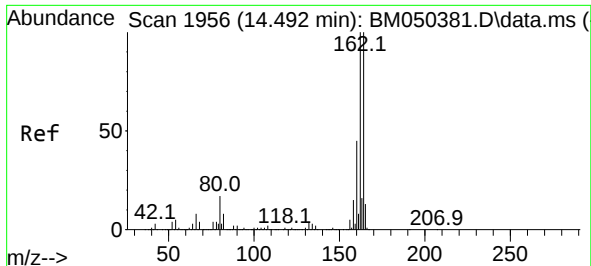
Tgt Ion: 82 Resp: 2813383
Ion Ratio Lower Upper
82 100
128 43.7 35.2 52.8
54 51.3 41.5 62.3



#32
Benzoic acid
Concen: 5.991 ng
RT: 9.957 min Scan# 1185
Delta R.T. 0.012 min
Lab File: BM050390.D
Acq: 10 Jul 2025 15:17

Tgt Ion:122 Resp: 319
Ion Ratio Lower Upper
122 100
105 103.5 104.0 144.0#
77 196.8 73.8 113.8#

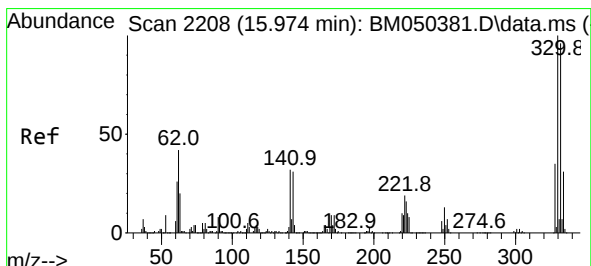
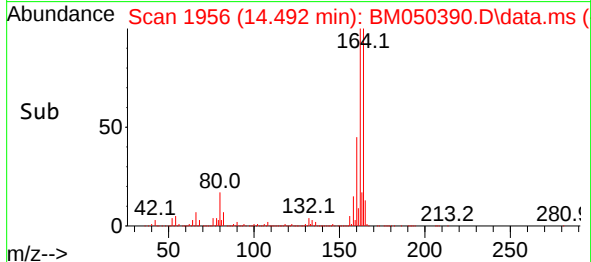
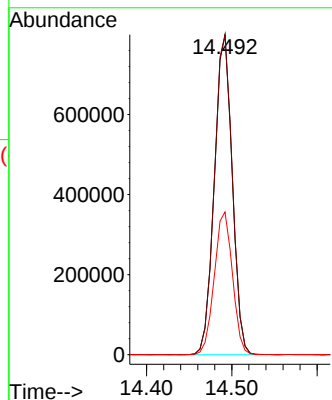
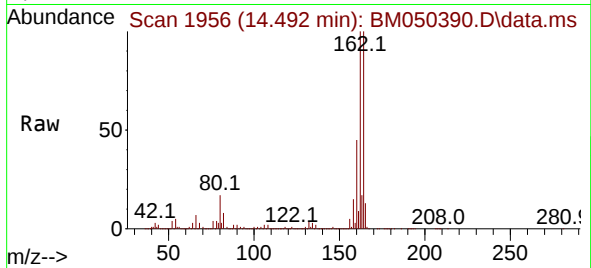




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BM050390.D
Acq: 10 Jul 2025 15:17

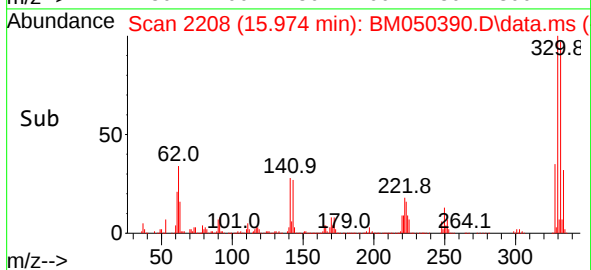
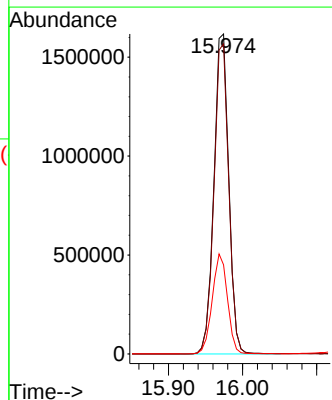
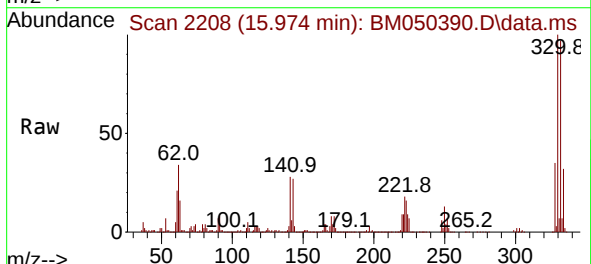
Instrument :
BNA_M
ClientSampleId :
TP-79

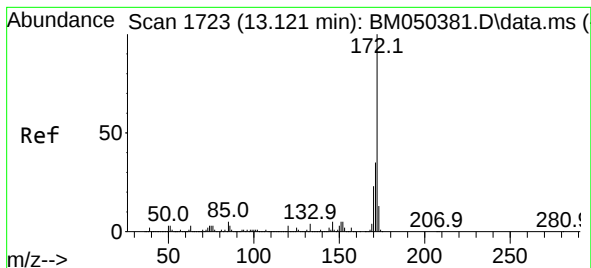
Tgt Ion:164 Resp: 1160201
Ion Ratio Lower Upper
164 100
162 100.1 79.9 119.9
160 44.7 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 159.606 ng
RT: 15.974 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BM050390.D
Acq: 10 Jul 2025 15:17

Tgt Ion:330 Resp: 2249896
Ion Ratio Lower Upper
330 100
332 96.6 76.9 115.3
141 31.9 27.4 41.0





#45

2-Fluorobiphenyl

Concen: 74.095 ng

RT: 13.121 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM050390.D

Acq: 10 Jul 2025 15:17

Instrument :

BNA_M

ClientSampleId :

TP-79

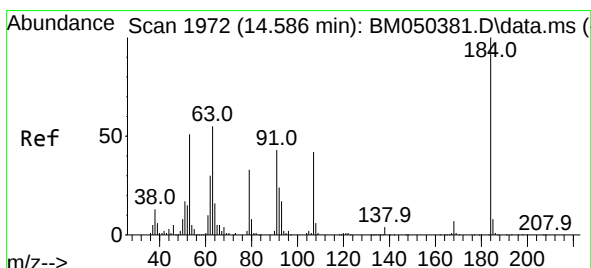
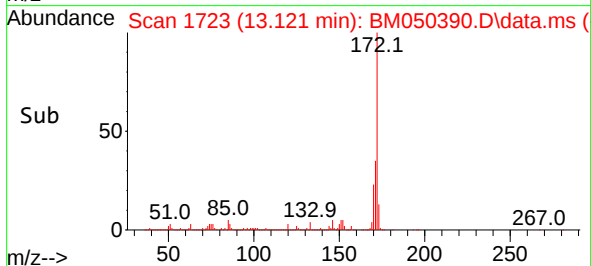
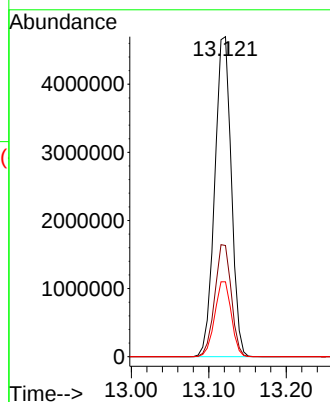
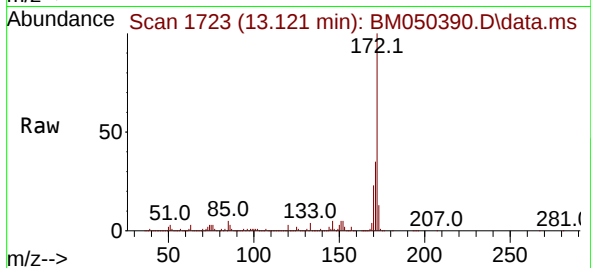
Tgt Ion:172 Resp: 6961127

Ion Ratio Lower Upper

172 100

171 34.8 27.7 41.5

170 23.4 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.414 ng

RT: 14.557 min Scan# 1967

Delta R.T. -0.029 min

Lab File: BM050390.D

Acq: 10 Jul 2025 15:17

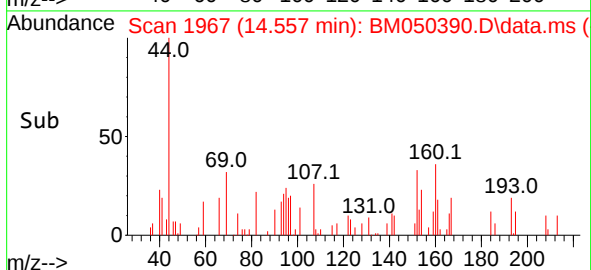
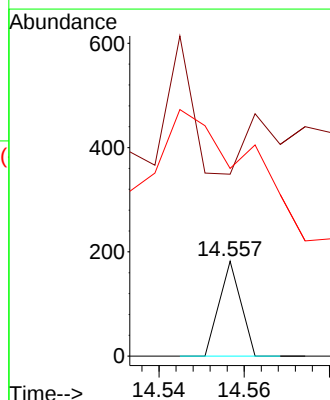
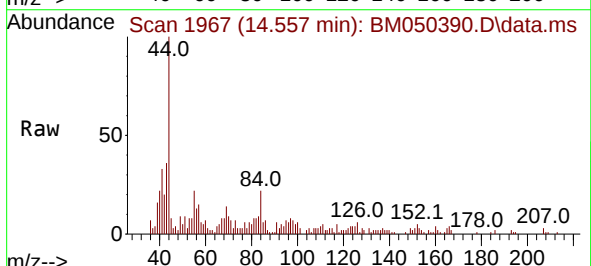
Tgt Ion:184 Resp: 64

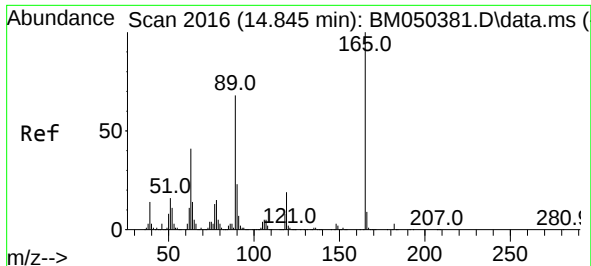
Ion Ratio Lower Upper

184 100

63 191.8 53.4 80.0#

154 197.8 61.6 92.4#





#57

2,4-Dinitrotoluene

Concen: 2.853 ng

RT: 14.833 min Scan# 20

Delta R.T. -0.012 min

Lab File: BM050390.D

Acq: 10 Jul 2025 15:17

Instrument :

BNA_M

ClientSampleId :

TP-79

Tgt Ion:165 Resp: 3126

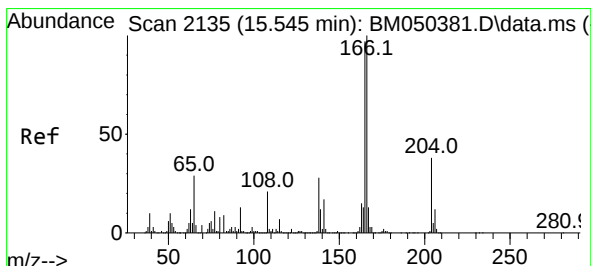
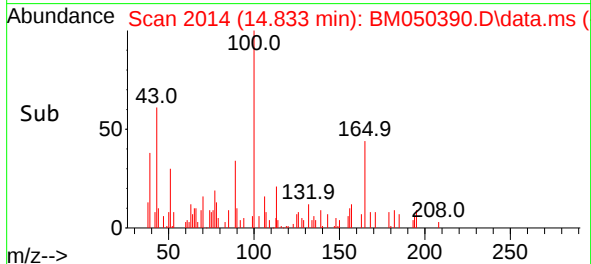
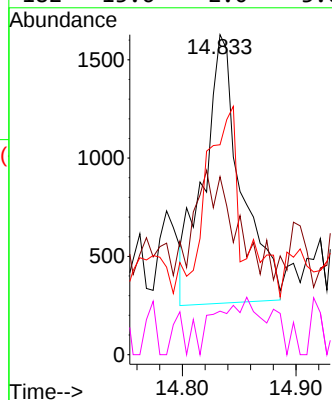
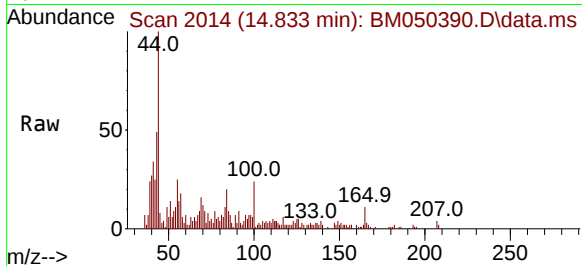
Ion Ratio Lower Upper

165 100

63 55.6 32.5 48.7#

89 65.6 54.0 81.0

182 13.6 2.0 3.0#



#62

4-Nitroaniline

Concen: 2.603 ng

RT: 15.457 min Scan# 2120

Delta R.T. -0.088 min

Lab File: BM050390.D

Acq: 10 Jul 2025 15:17

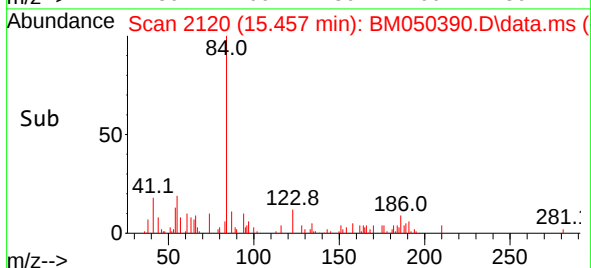
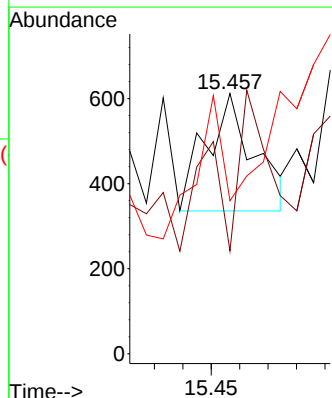
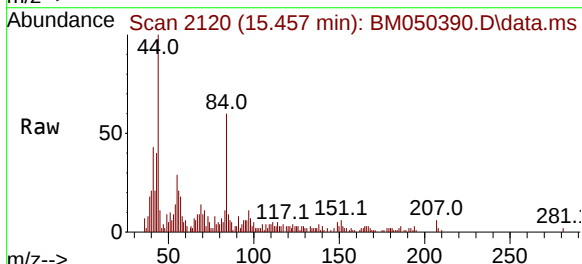
Tgt Ion:138 Resp: 326

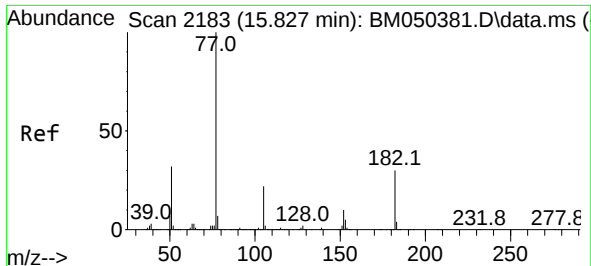
Ion Ratio Lower Upper

138 100

92 39.5 24.5 64.5

108 58.8 52.5 92.5

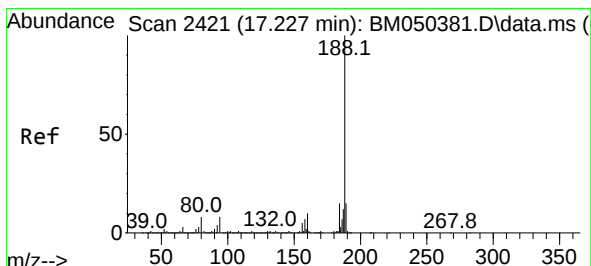
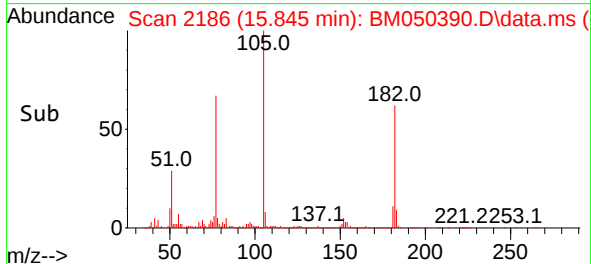
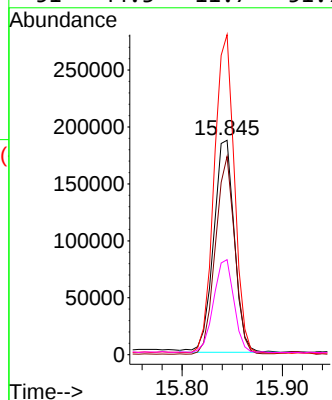
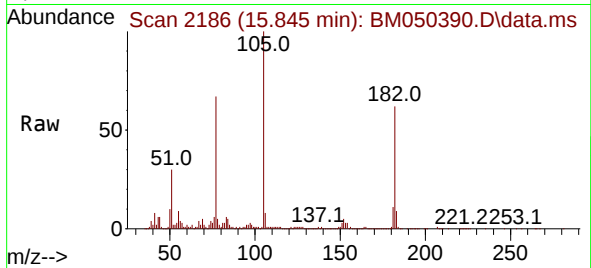




#63
Azobenzene
Concen: 3.824 ng
RT: 15.845 min Scan# 2183
Delta R.T. 0.018 min
Lab File: BM050390.D
Acq: 10 Jul 2025 15:17

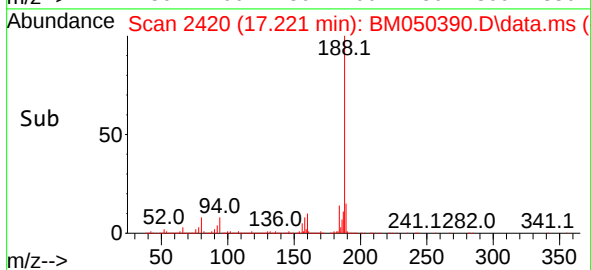
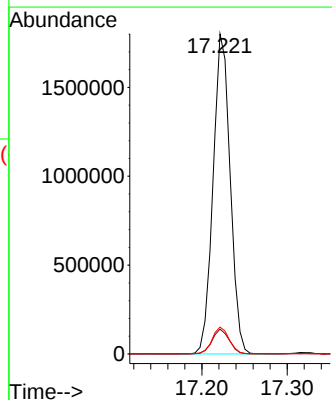
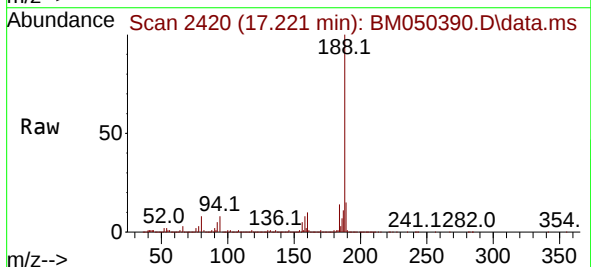
Instrument :
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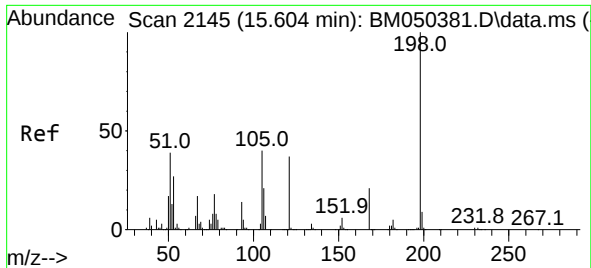
Tgt Ion: 77 Resp: 267915
Ion Ratio Lower Upper
77 100
182 92.5 10.0 50.0#
105 149.2 2.0 42.0#
51 44.3 11.7 51.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BM050390.D
Acq: 10 Jul 2025 15:17

Tgt Ion:188 Resp: 2509638
Ion Ratio Lower Upper
188 100
94 7.8 6.0 9.0
80 8.4 6.5 9.7

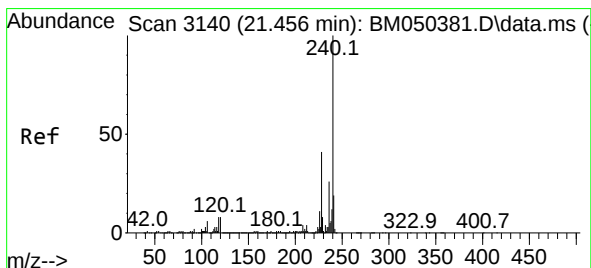
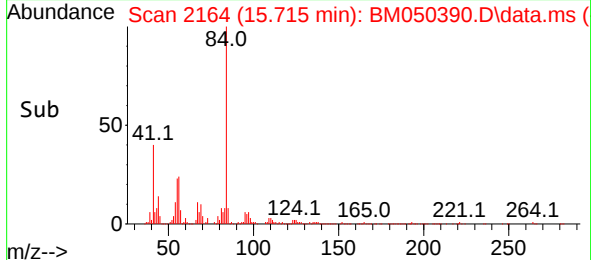
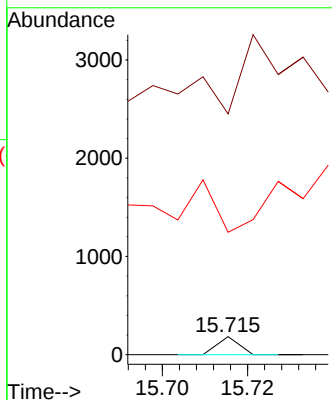
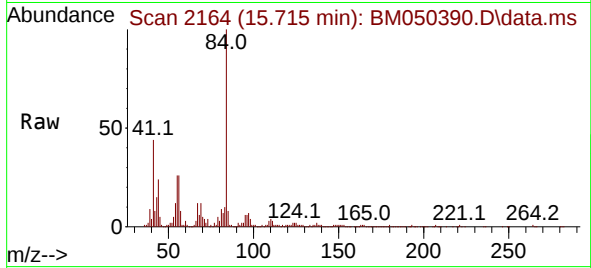




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.307 ng
 RT: 15.715 min Scan# 2145
 Delta R.T. 0.111 min
 Lab File: BM050390.D
 Acq: 10 Jul 2025 15:17

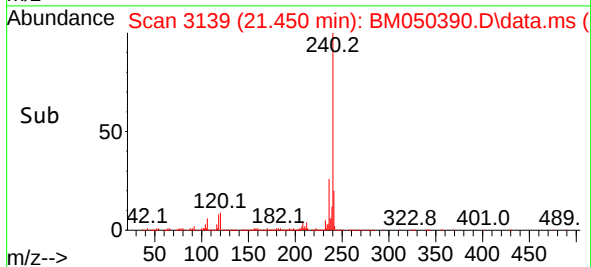
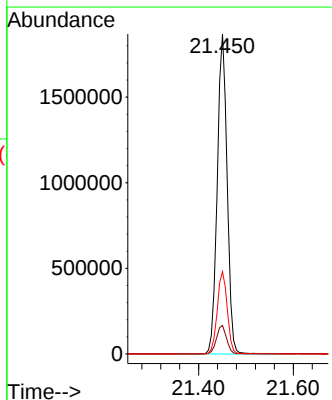
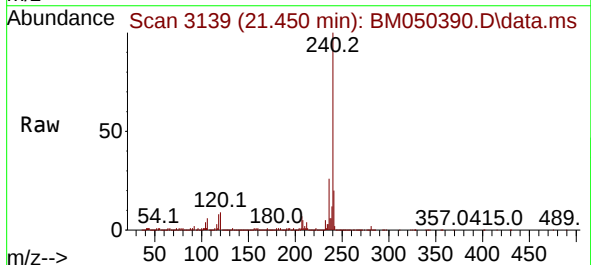
Instrument :
 BNA_M
 ClientSampleId :
 TP-79

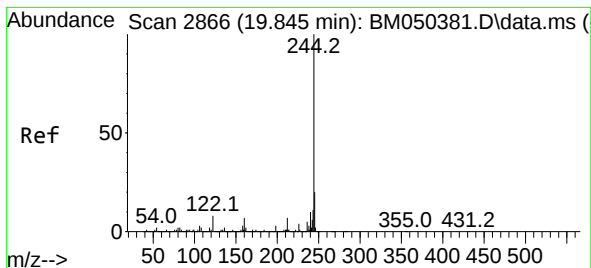
Tgt Ion:198 Resp: 65
 Ion Ratio Lower Upper
 198 100
 51 1332.1 26.6 66.6#
 105 677.2 20.9 60.9#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.450 min Scan# 3139
 Delta R.T. -0.006 min
 Lab File: BM050390.D
 Acq: 10 Jul 2025 15:17

Tgt Ion:240 Resp: 2687321
 Ion Ratio Lower Upper
 240 100
 120 8.9 6.7 10.1
 236 25.7 20.7 31.1





#79

Terphenyl-d14

Concen: 80.426 ng

RT: 19.839 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050390.D

Acq: 10 Jul 2025 15:17

Instrument :

BNA_M

ClientSampleId :

TP-79

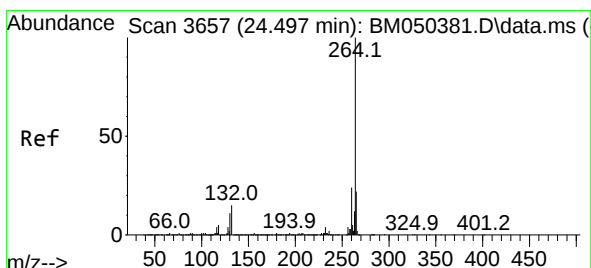
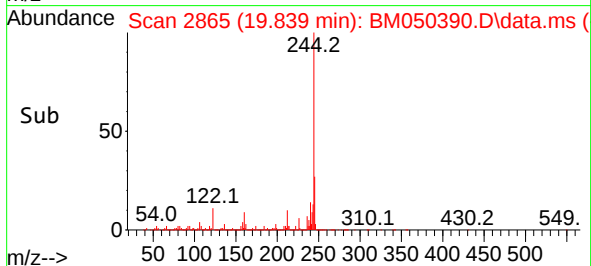
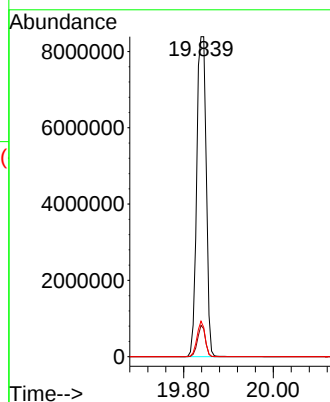
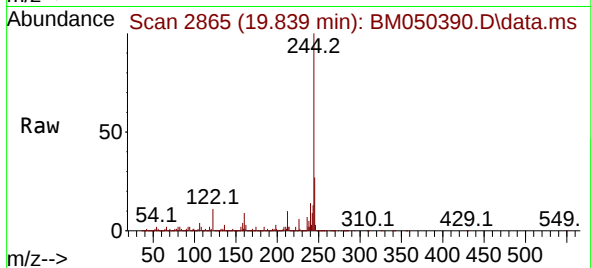
Tgt Ion:244 Resp:12283967

Ion Ratio Lower Upper

244 100

212 9.8 5.7 8.5#

122 11.1 6.2 9.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.491 min Scan# 3656

Delta R.T. -0.006 min

Lab File: BM050390.D

Acq: 10 Jul 2025 15:17

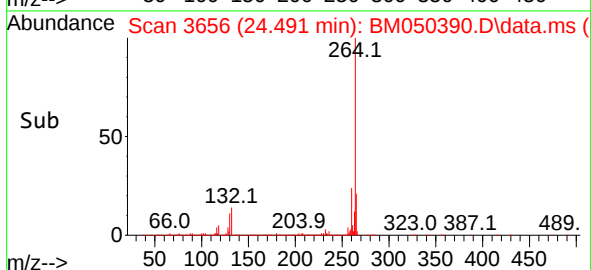
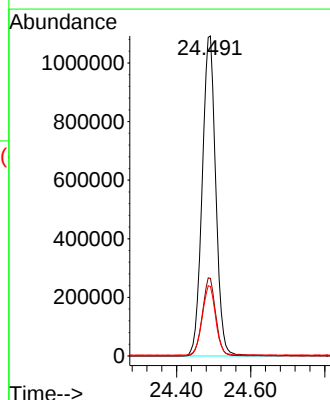
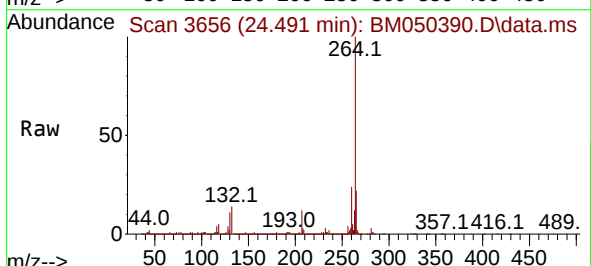
Tgt Ion:264 Resp: 2766874

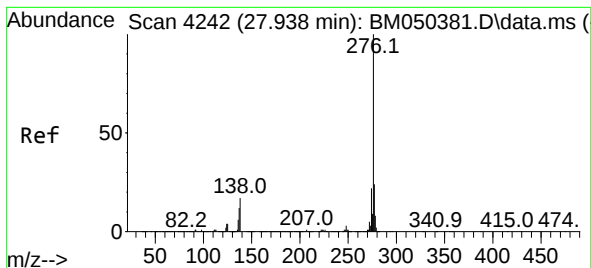
Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.7 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.267 ng

RT: 28.126 min Scan# 41

Delta R.T. 0.188 min

Lab File: BM050390.D

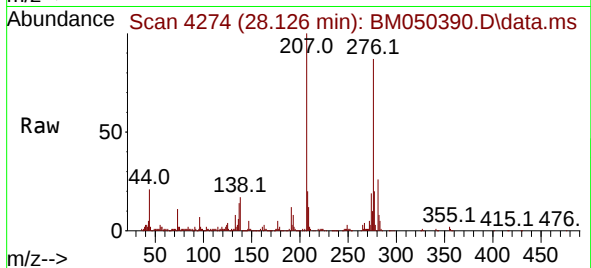
Acq: 10 Jul 2025 15:17

Instrument :

BNA_M

ClientSampleId :

TP-79



Tgt Ion:276 Resp: 445900

Ion Ratio Lower Upper

276 100

138 19.0 17.0 25.6

277 23.7 20.0 30.0

