

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
 Data File : BM050310.D
 Acq On : 13 Jun 2025 21:44
 Operator : RC/JU
 Sample : Q2296-16
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-4

Quant Time: Jun 13 23:21:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 09 11:54:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	380880	20.000	ng	0.00
21) Naphthalene-d8	10.546	136	1422513	20.000	ng	#-0.01
39) Acenaphthene-d10	14.392	164	742819	20.000	ng	0.00
64) Phenanthrene-d10	17.128	188	1363568	20.000	ng	-0.01
76) Chrysene-d12	21.357	240	1452631	20.000	ng	-0.02
86) Perylene-d12	24.327	264	1211865	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	3353808	146.887	ng	0.00
7) Phenol-d6	6.928	99	3827381	127.338	ng	0.00
23) Nitrobenzene-d5	8.910	82	2674521	97.783	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	1238230	146.553	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	5038782	91.836	ng	-0.01
79) Terphenyl-d14	19.757	244	6645330	86.691	ng	-0.01

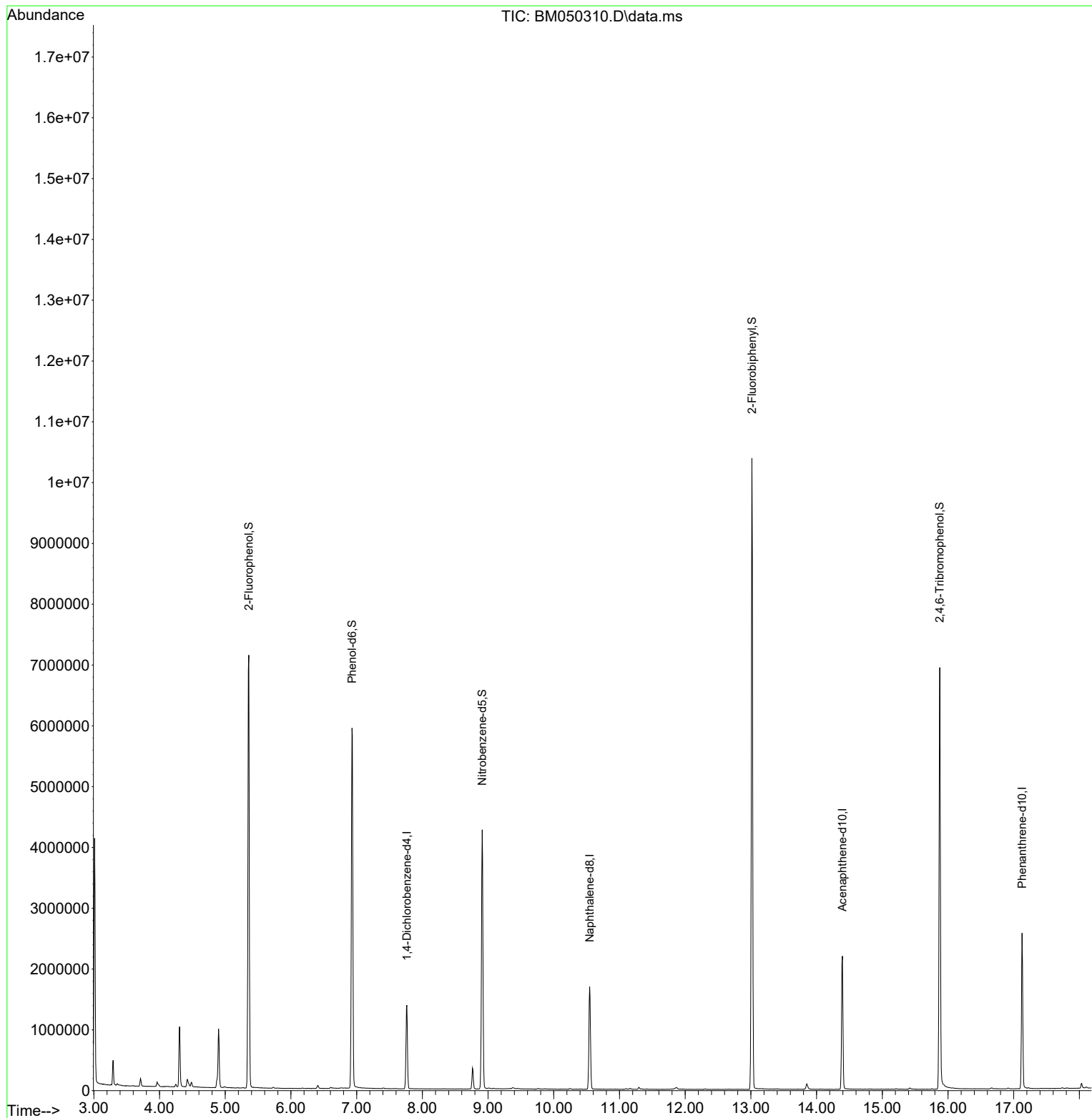
Target Compounds	Qvalue

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

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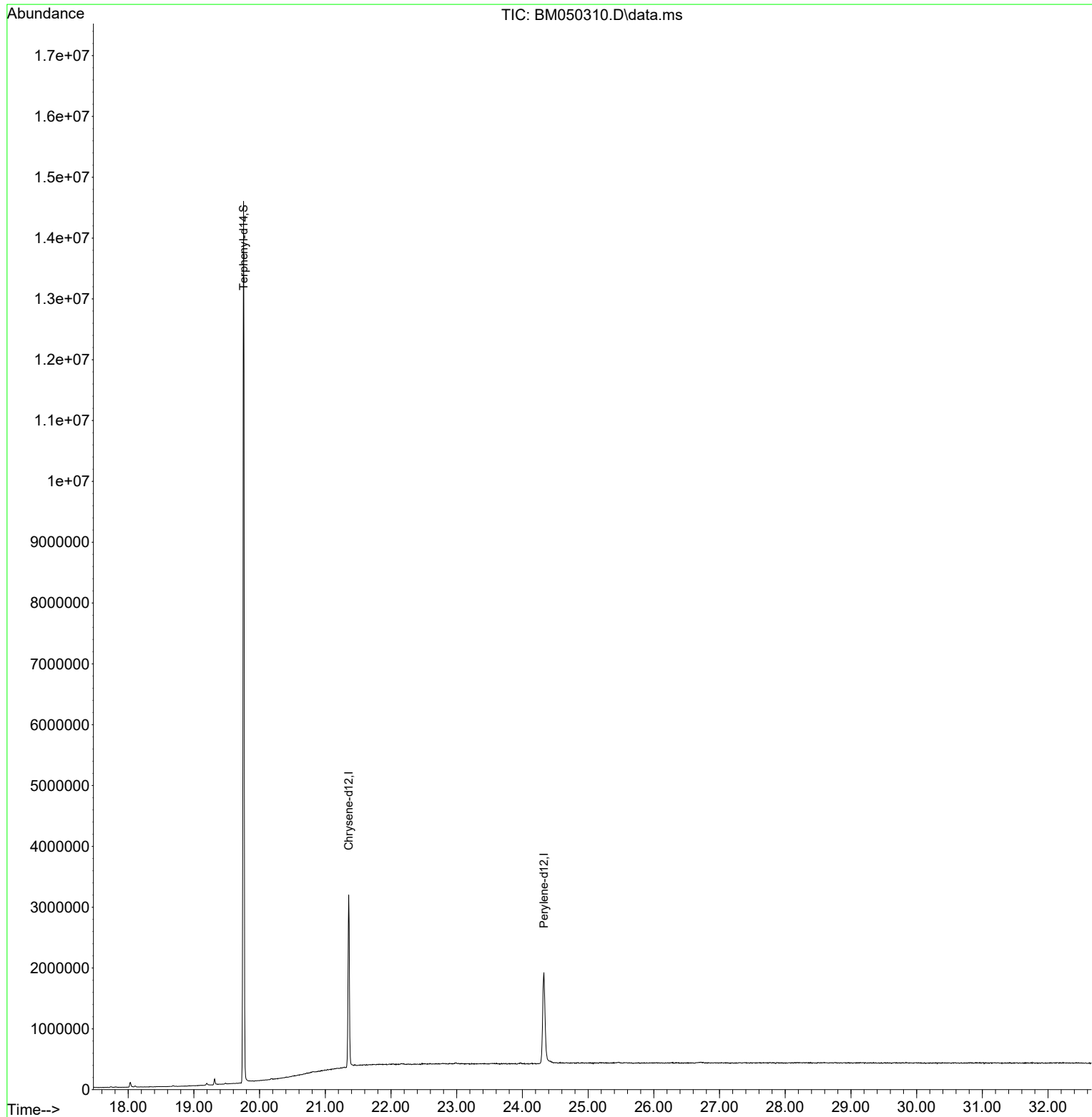
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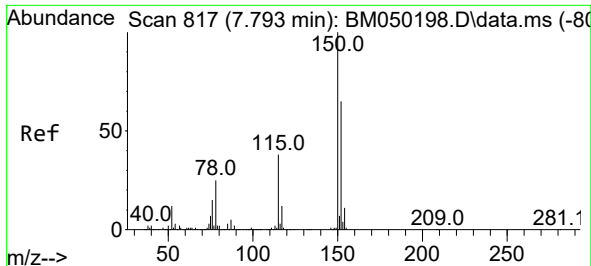


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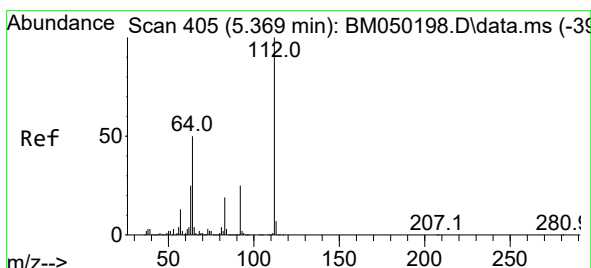
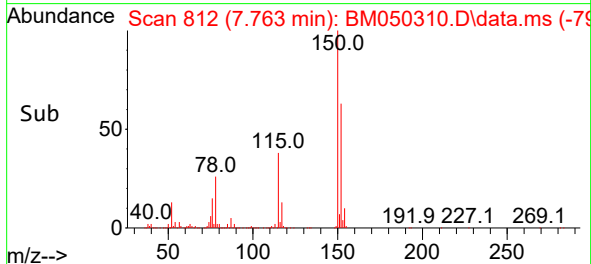
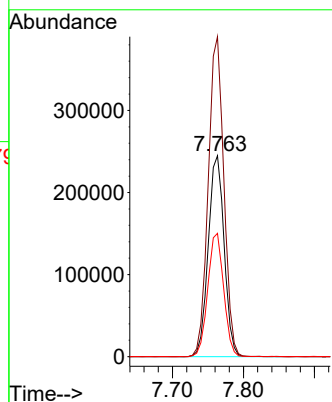
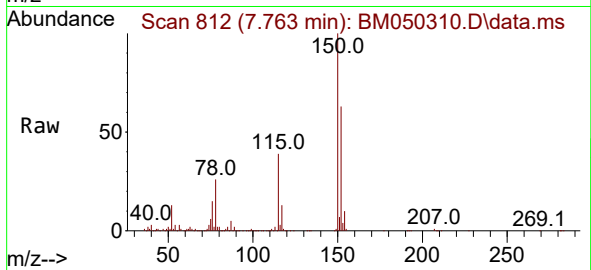




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050310.D
Acq: 13 Jun 2025 21:44

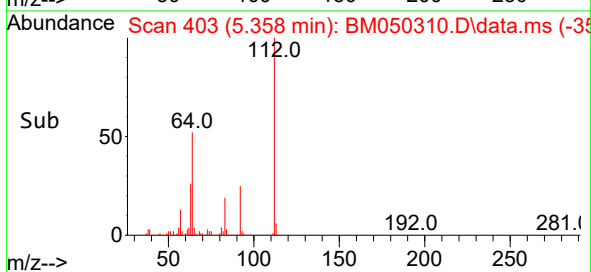
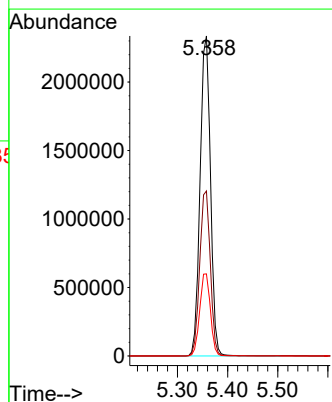
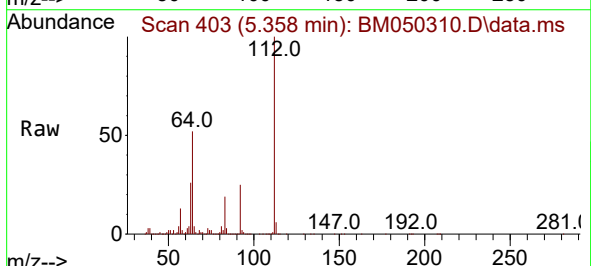
Instrument :
BNA_M
ClientSampleId :
WC-4

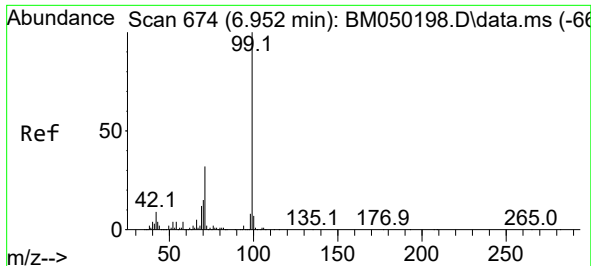
Tgt Ion:152 Resp: 380880
Ion Ratio Lower Upper
152 100
150 159.3 122.2 183.4
115 61.4 46.3 69.5



#5
2-Fluorophenol
Concen: 146.887 ng
RT: 5.358 min Scan# 403
Delta R.T. 0.000 min
Lab File: BM050310.D
Acq: 13 Jun 2025 21:44

Tgt Ion:112 Resp: 3353808
Ion Ratio Lower Upper
112 100
64 51.6 39.8 59.6
63 25.6 19.8 29.8

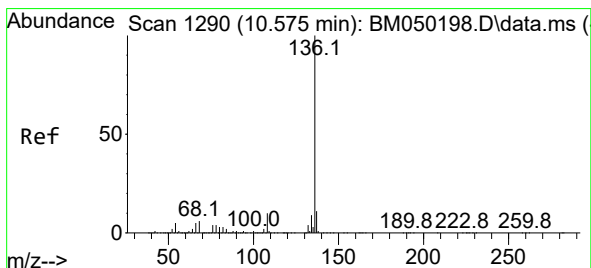
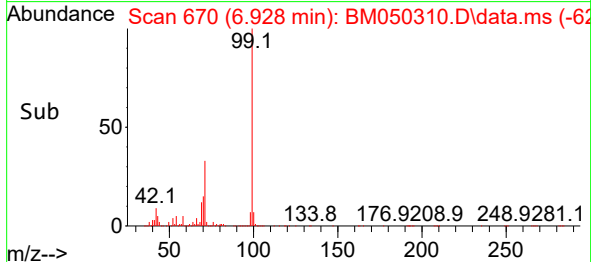
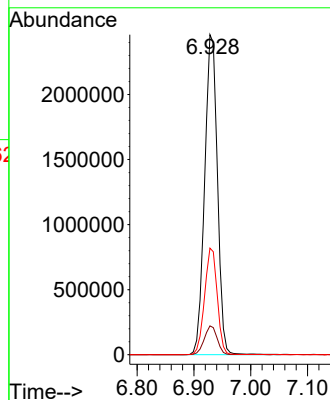
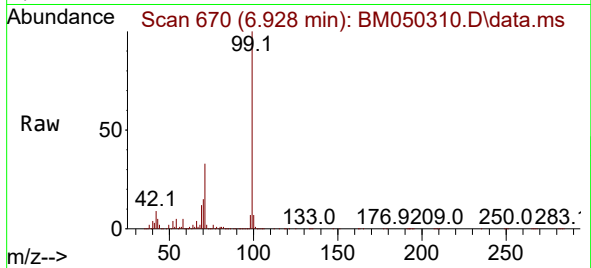




#7
Phenol-d6
Concen: 127.338 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.005 min
Lab File: BM050310.D
Acq: 13 Jun 2025 21:44

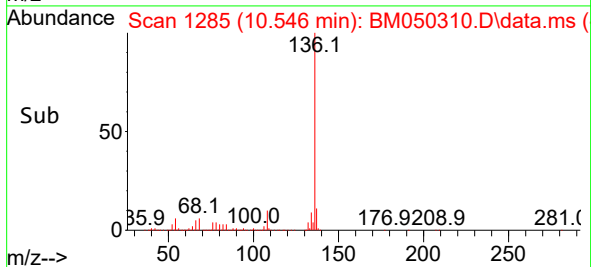
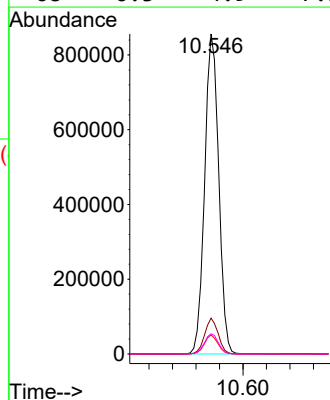
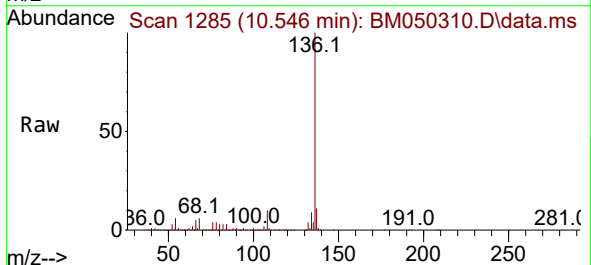
Instrument :
BNA_M
ClientSampleId :
WC-4

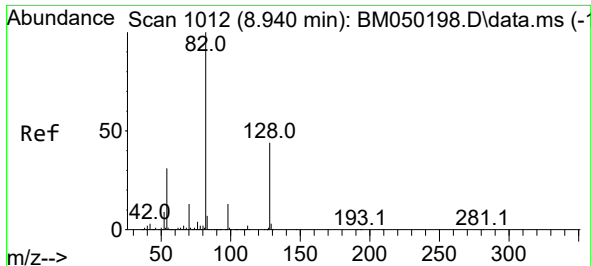
Tgt Ion: 99 Resp: 3827381
Ion Ratio Lower Upper
99 100
42 9.0 6.9 10.3
71 33.3 25.3 37.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.546 min Scan# 1285
Delta R.T. -0.011 min
Lab File: BM050310.D
Acq: 13 Jun 2025 21:44

Tgt Ion: 136 Resp: 1422513
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 6.0 3.8 5.8#
68 6.3 4.9 7.3





#23

Nitrobenzene-d5

Concen: 97.783 ng

RT: 8.910 min Scan# 1012

Delta R.T. -0.005 min

Lab File: BM050310.D

Acq: 13 Jun 2025 21:44

Instrument :

BNA_M

ClientSampleId :

WC-4

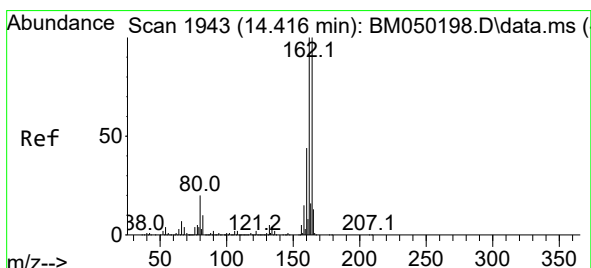
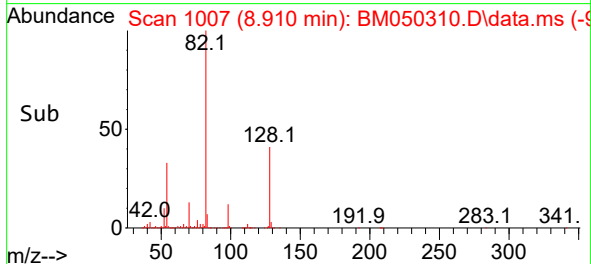
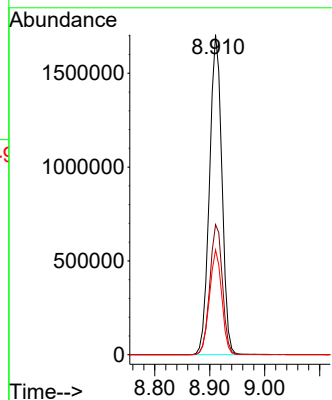
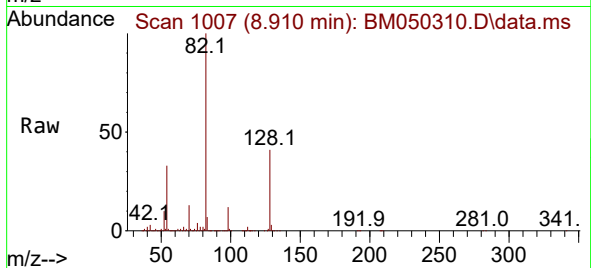
Tgt Ion: 82 Resp: 2674521

Ion Ratio Lower Upper

82 100

128 40.6 35.2 52.8

54 32.7 24.5 36.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.392 min Scan# 1939

Delta R.T. -0.005 min

Lab File: BM050310.D

Acq: 13 Jun 2025 21:44

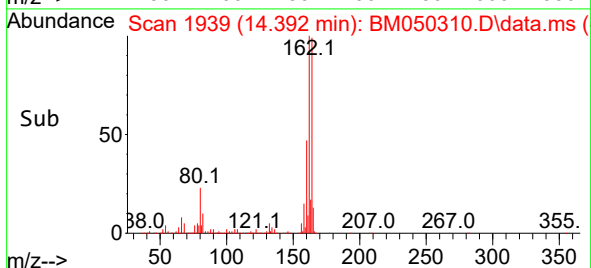
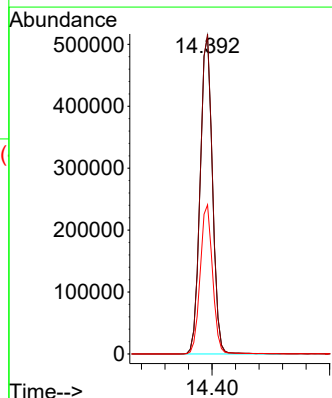
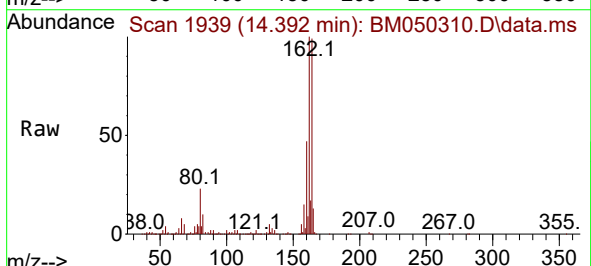
Tgt Ion: 164 Resp: 742819

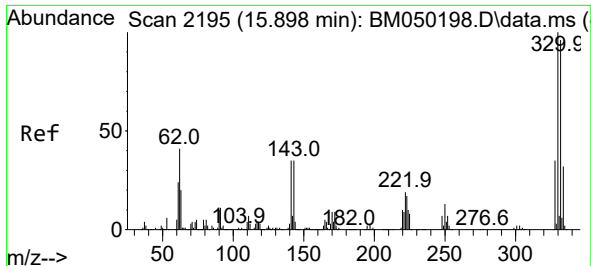
Ion Ratio Lower Upper

164 100

162 100.8 80.2 120.4

160 46.9 35.7 53.5

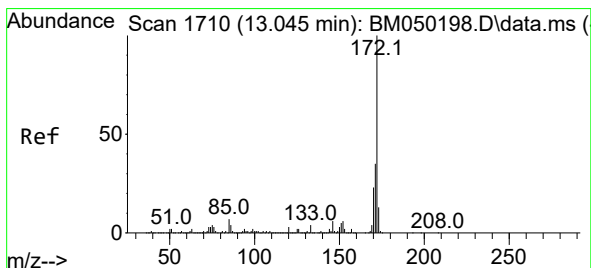
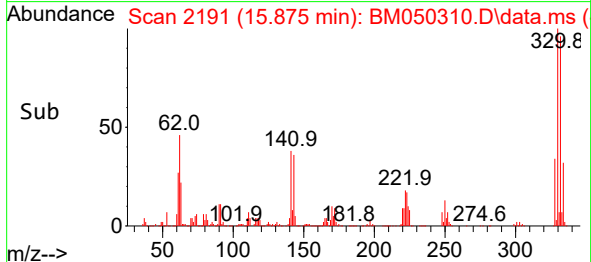
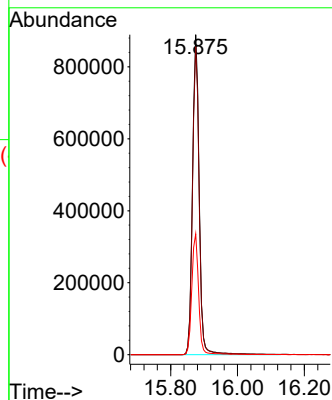
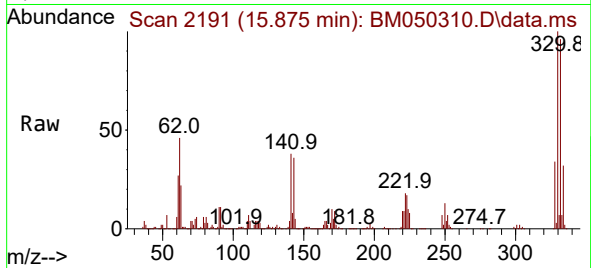




#42
2,4,6-Tribromophenol
Concen: 146.553 ng
RT: 15.875 min Scan# 2195
Delta R.T. -0.005 min
Lab File: BM050310.D
Acq: 13 Jun 2025 21:44

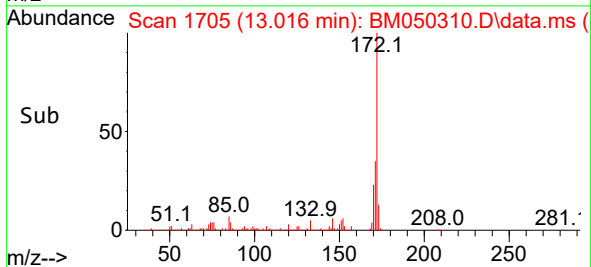
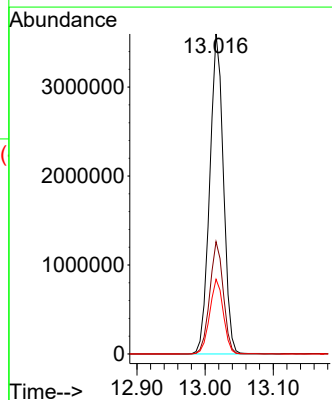
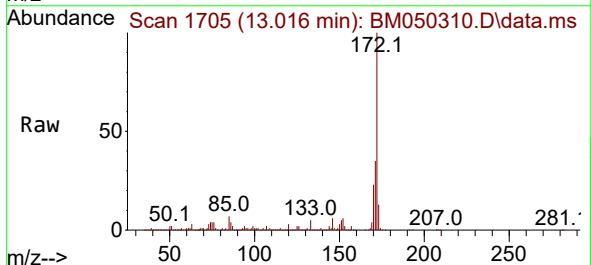
Instrument :
BNA_M
ClientSampleId :
WC-4

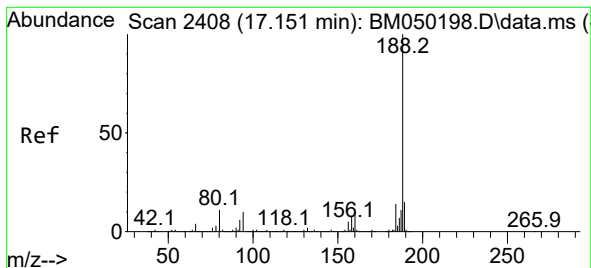
Tgt Ion:330 Resp: 1238230
Ion Ratio Lower Upper
330 100
332 96.3 77.5 116.3
141 38.6 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 91.836 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.011 min
Lab File: BM050310.D
Acq: 13 Jun 2025 21:44

Tgt Ion:172 Resp: 5038782
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.6
170 23.3 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.128 min Scan# 2404

Delta R.T. -0.011 min

Lab File: BM050310.D

Acq: 13 Jun 2025 21:44

Instrument :

BNA_M

ClientSampleId :

WC-4

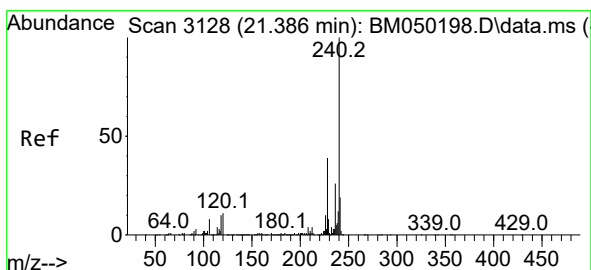
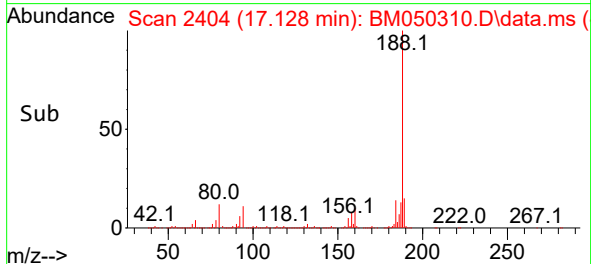
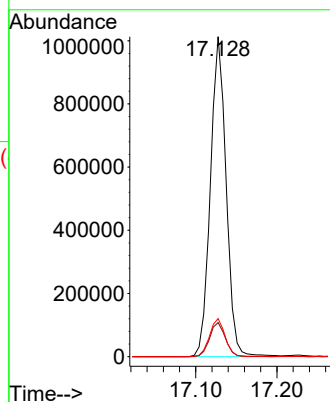
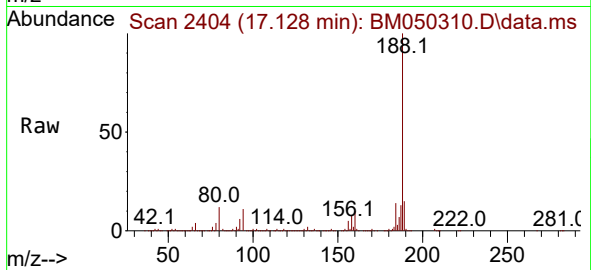
Tgt Ion:188 Resp: 1363568

Ion Ratio Lower Upper

188 100

94 10.6 8.1 12.1

80 11.9 8.6 13.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.357 min Scan# 3123

Delta R.T. -0.017 min

Lab File: BM050310.D

Acq: 13 Jun 2025 21:44

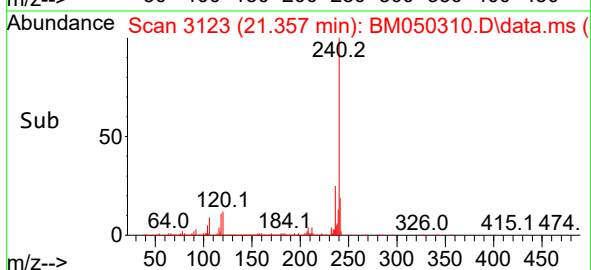
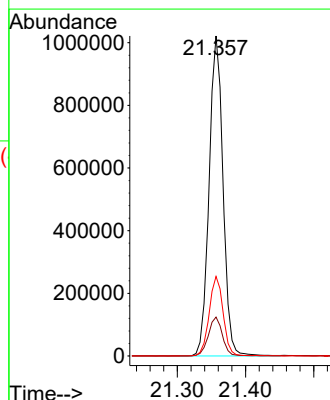
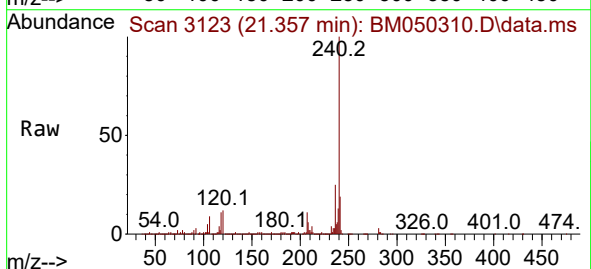
Tgt Ion:240 Resp: 1452631

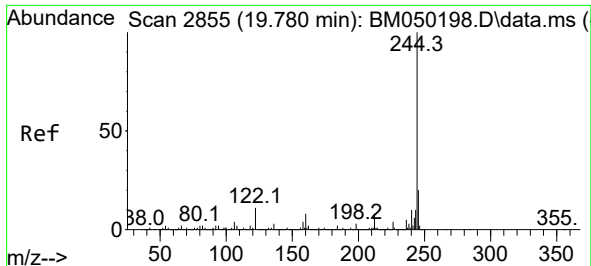
Ion Ratio Lower Upper

240 100

120 12.1 9.0 13.4

236 24.9 20.7 31.1

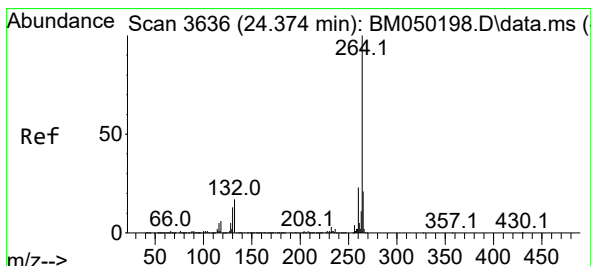
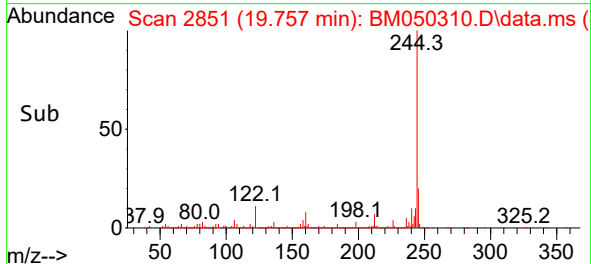
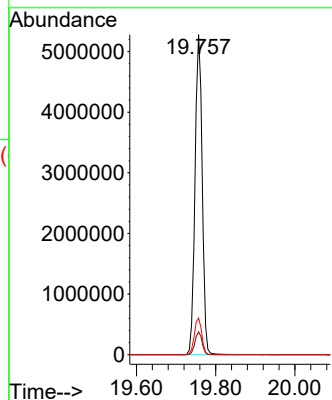
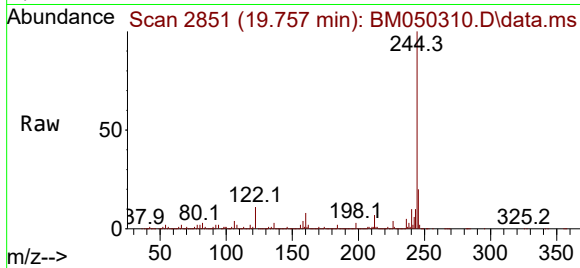




#79
 Terphenyl-d14
 Concen: 86.691 ng
 RT: 19.757 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BM050310.D
 Acq: 13 Jun 2025 21:44

Instrument :
 BNA_M
 ClientSampleId :
 WC-4

Tgt Ion:244 Resp: 6645330
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 11.5 8.6 12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.327 min Scan# 3628
 Delta R.T. -0.017 min
 Lab File: BM050310.D
 Acq: 13 Jun 2025 21:44

Tgt Ion:264 Resp: 1211865
 Ion Ratio Lower Upper
 264 100
 260 24.6 18.6 28.0
 265 22.0 16.8 25.2

