

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050094.D
 Acq On : 02 May 2025 20:34
 Operator : RC/JU
 Sample : Q1923-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OK-01-050125

Quant Time: May 02 23:59:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

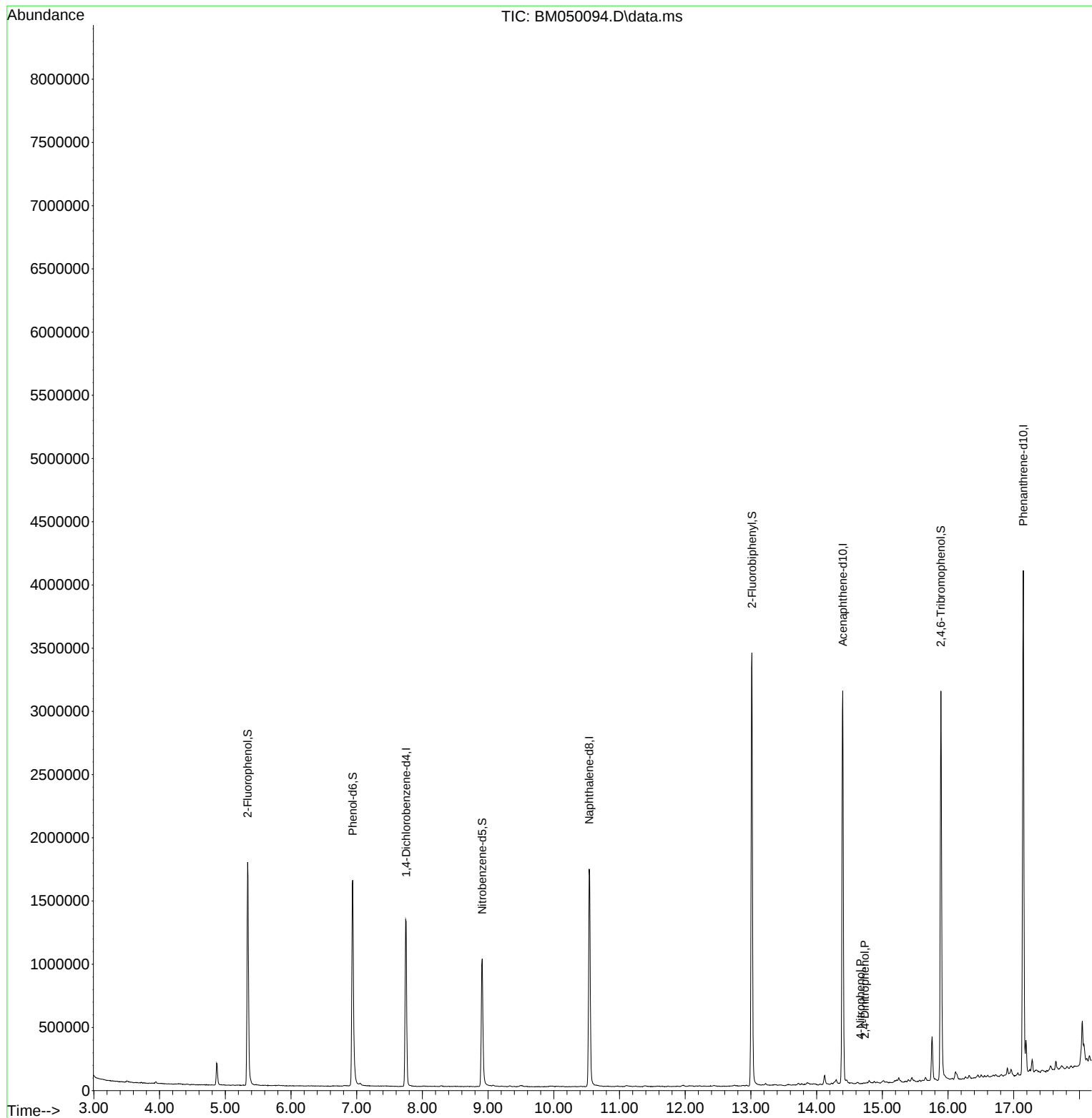
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.751	152	409837	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1575589	20.000	ng	-0.02
39) Acenaphthene-d10	14.398	164	1152250	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	2420942	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	1706448	20.000	ng	-0.01
86) Perylene-d12	24.380	264	1569666	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	875477	37.406	ng	-0.02
7) Phenol-d6	6.939	99	1141186	38.794	ng	-0.01
23) Nitrobenzene-d5	8.910	82	669274	20.931	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	673844	39.551	ng	-0.01
45) 2-Fluorobiphenyl	13.016	172	1953292	20.054	ng	-0.02
79) Terphenyl-d14	19.768	244	2958133	25.651	ng	-0.01
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.733	184	53	5.747	ng	# 1
56) 4-Nitrophenol	14.668	139	148	4.544	ng	# 1
75) Fluoranthene	19.203	202	383901	2.395	ng	97
78) Pyrene	19.568	202	415560	3.468	ng	99
88) Benzo(b)fluoranthene	23.433	252	223968	2.194	ng	# 84
89) Benzo(k)fluoranthene	23.433	252	223968	2.169	ng	# 84

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

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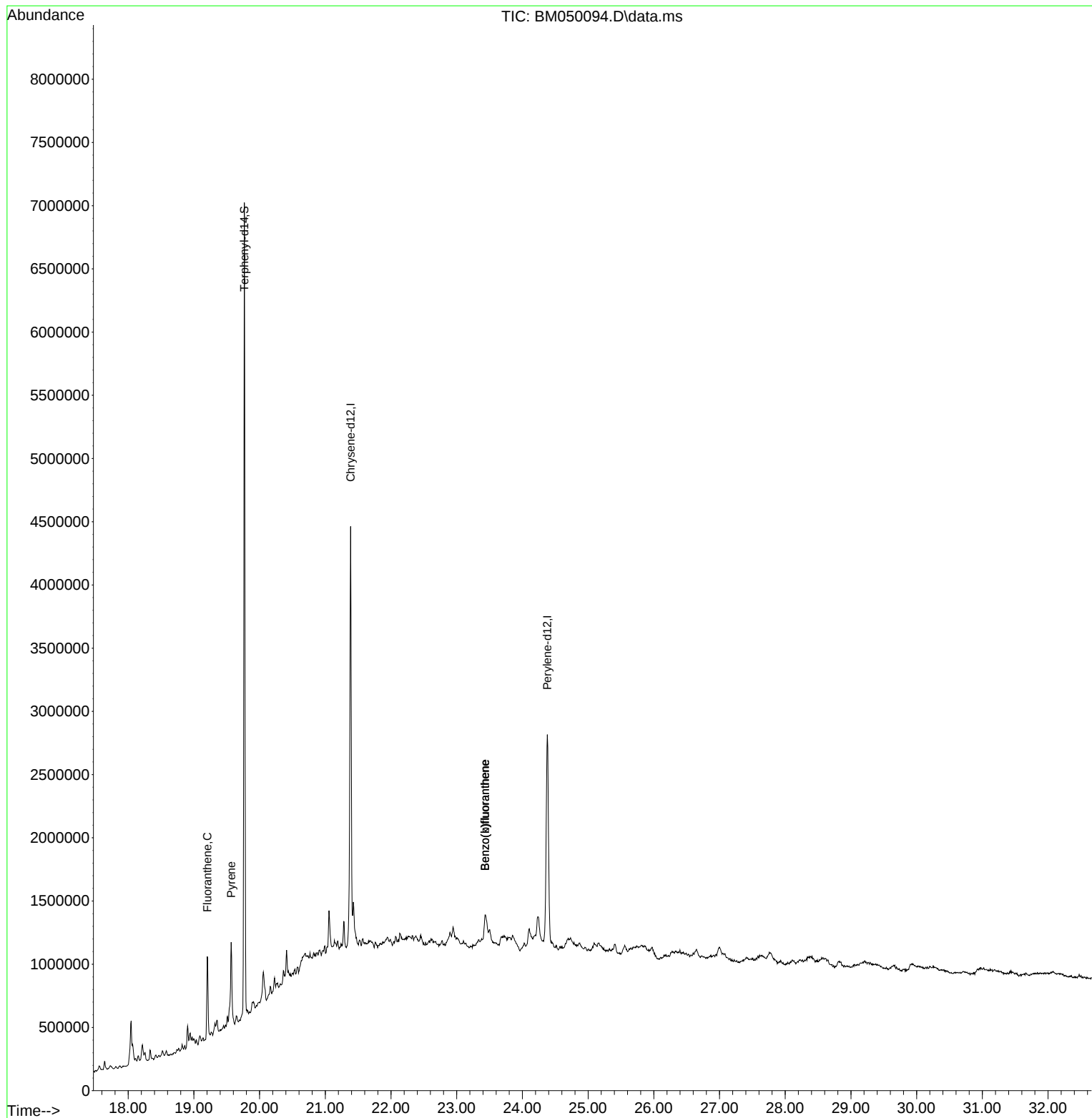
Quant Time: May 02 23:59:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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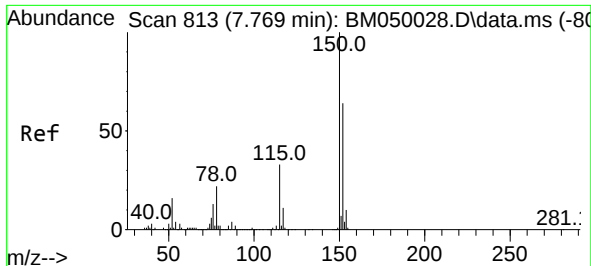


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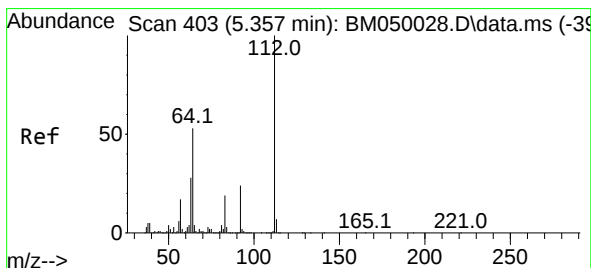
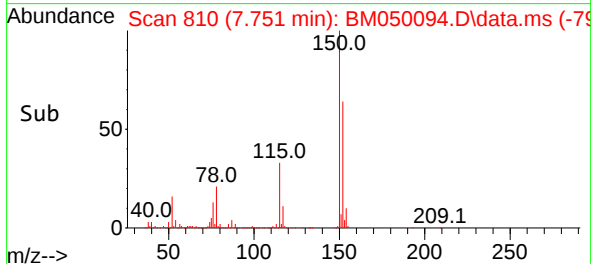
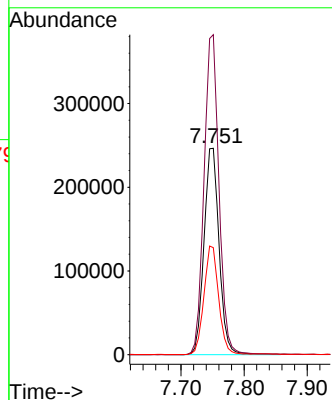
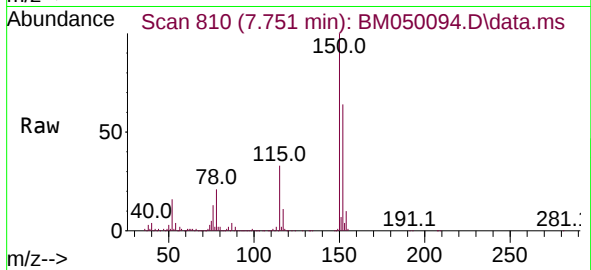




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.751 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM050094.D
Acq: 02 May 2025 20:34

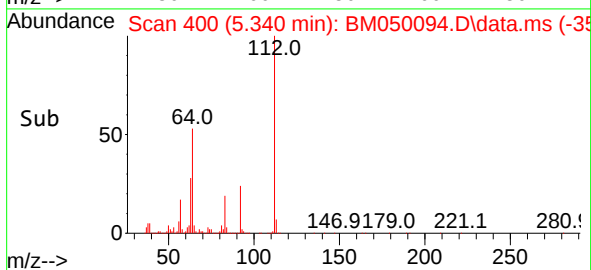
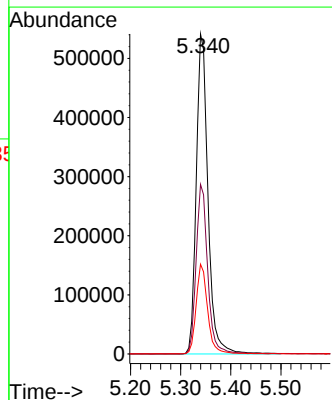
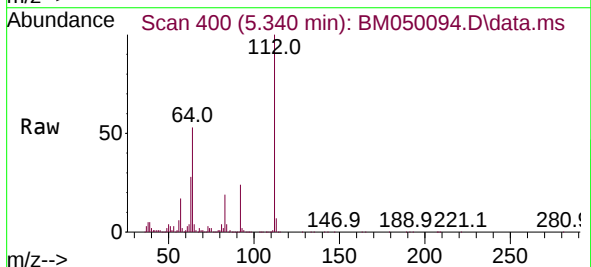
Instrument :
BNA_M
ClientSampleId :
OK-01-050125

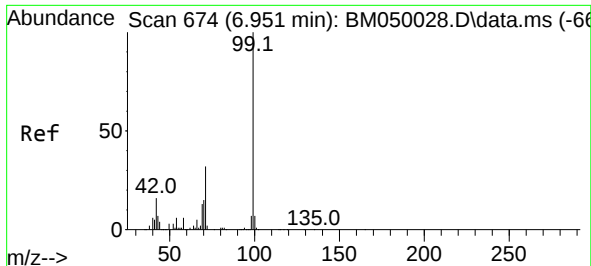
Tgt Ion:152 Resp: 409837
Ion Ratio Lower Upper
152 100
150 155.1 124.1 186.1
115 51.9 41.2 61.8



#5
2-Fluorophenol
Concen: 37.406 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050094.D
Acq: 02 May 2025 20:34

Tgt Ion:112 Resp: 875477
Ion Ratio Lower Upper
112 100
64 53.0 42.6 64.0
63 28.1 22.2 33.4

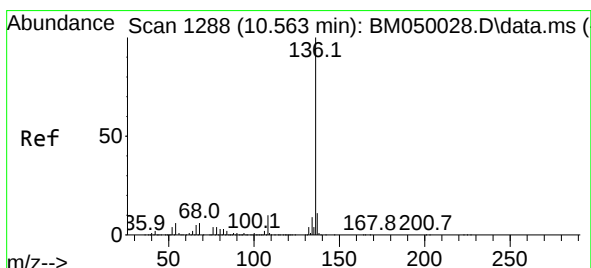
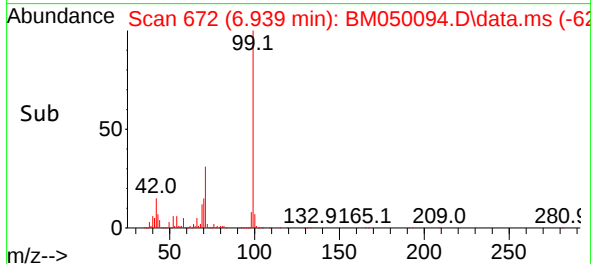
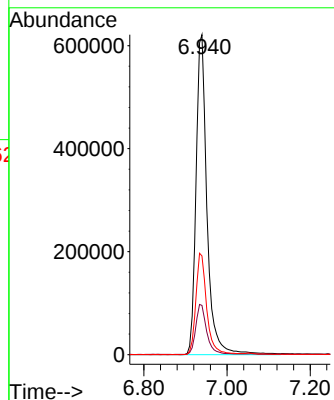
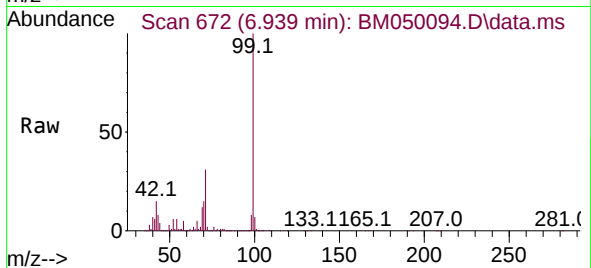




#7
Phenol-d6
Concen: 38.794 ng
RT: 6.939 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM050094.D
Acq: 02 May 2025 20:34

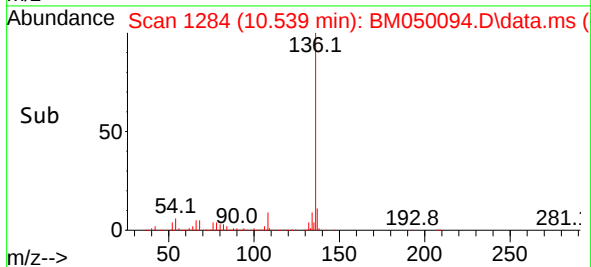
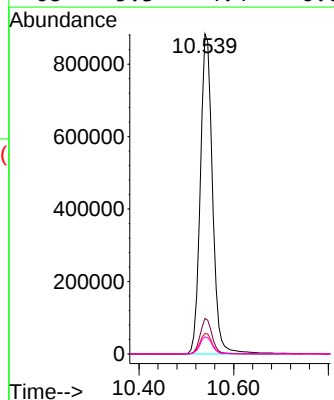
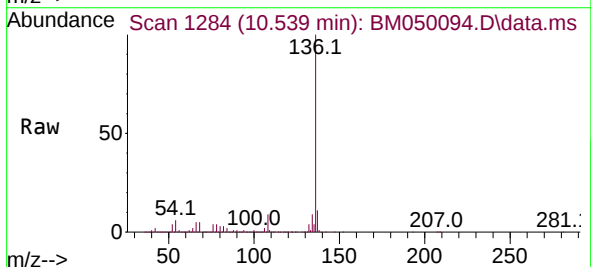
Instrument :
BNA_M
ClientSampleId :
OK-01-050125

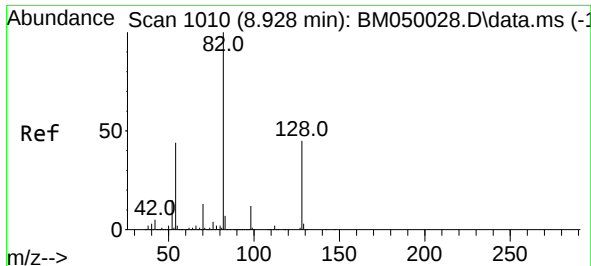
Tgt Ion: 99 Resp: 1141186
Ion Ratio Lower Upper
99 100
42 15.4 13.0 19.4
71 30.8 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050094.D
Acq: 02 May 2025 20:34

Tgt Ion: 136 Resp: 1575589
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.4 5.1 7.7
68 5.3 4.4 6.6





#23

Nitrobenzene-d5

Concen: 20.931 ng

RT: 8.910 min Scan# 1010

Delta R.T. -0.018 min

Lab File: BM050094.D

Acq: 02 May 2025 20:34

Instrument :

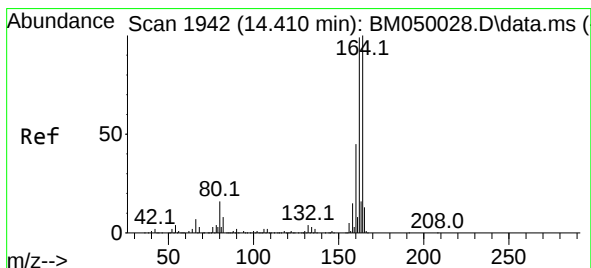
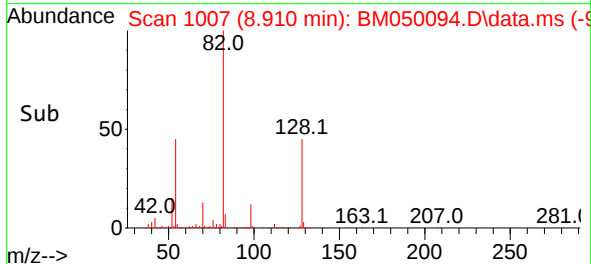
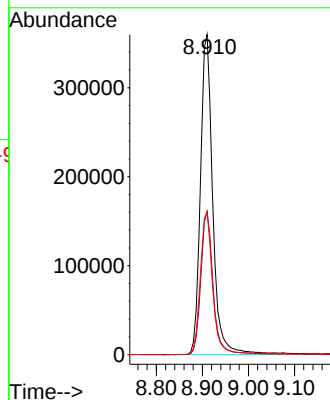
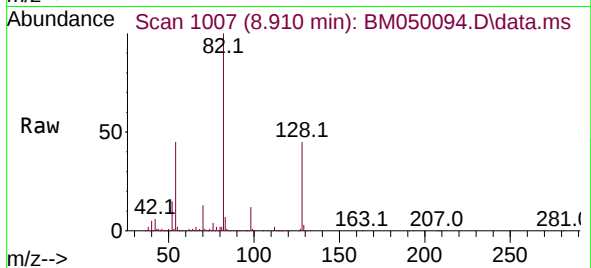
BNA_M

ClientSampleId :

OK-01-050125

Tgt Ion: 82 Resp: 669274

Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.7	53.5
54	44.7	35.4	53.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.398 min Scan# 1940

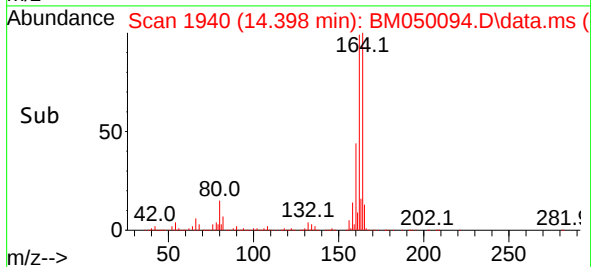
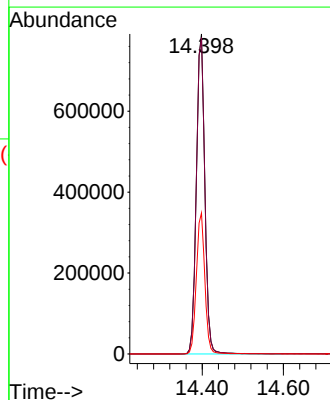
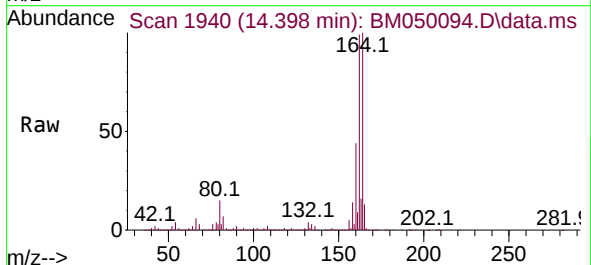
Delta R.T. -0.012 min

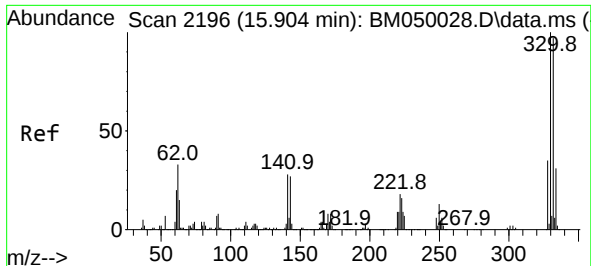
Lab File: BM050094.D

Acq: 02 May 2025 20:34

Tgt Ion: 164 Resp: 1152250

Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.4	119.0
160	44.1	36.2	54.4

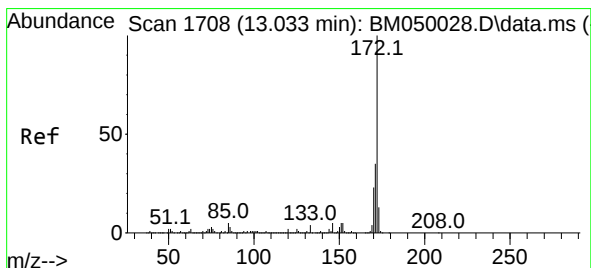
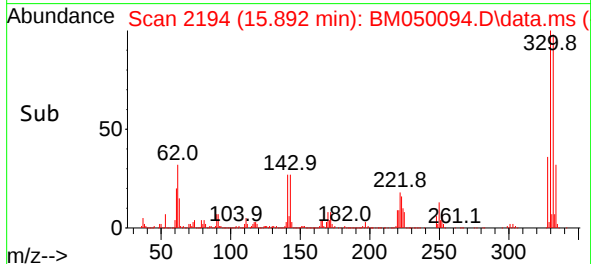
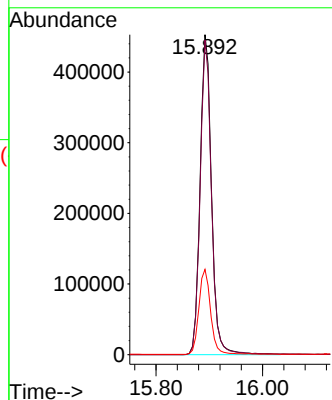
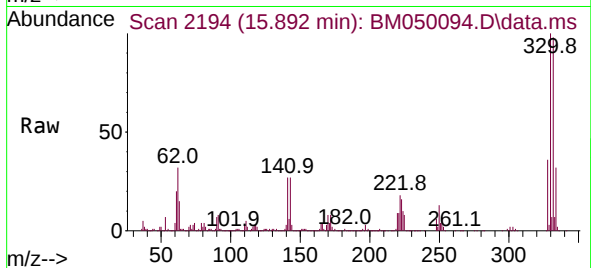




#42
2,4,6-Tribromophenol
Concen: 39.551 ng
RT: 15.892 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM050094.D
Acq: 02 May 2025 20:34

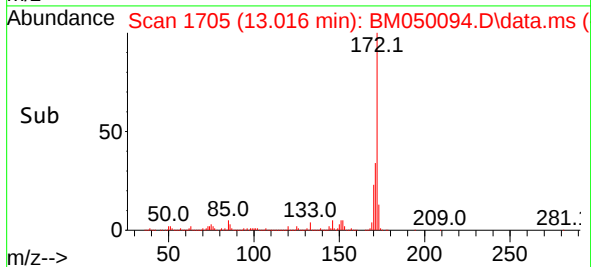
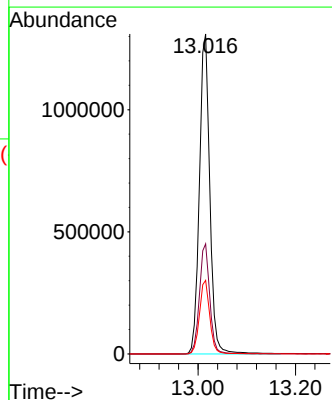
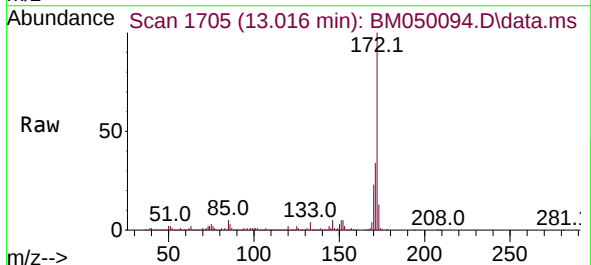
Instrument :
BNA_M
ClientSampleId :
OK-01-050125

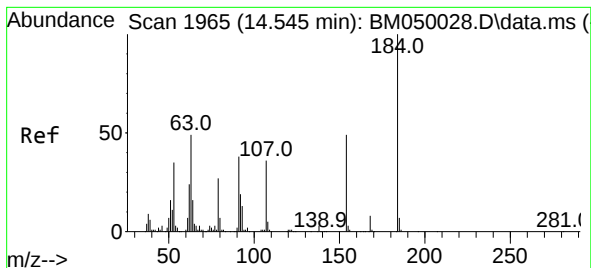
Tgt Ion:330 Resp: 673844
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 27.1 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 20.054 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.018 min
Lab File: BM050094.D
Acq: 02 May 2025 20:34

Tgt Ion:172 Resp: 1953292
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.6
170 23.0 18.6 28.0

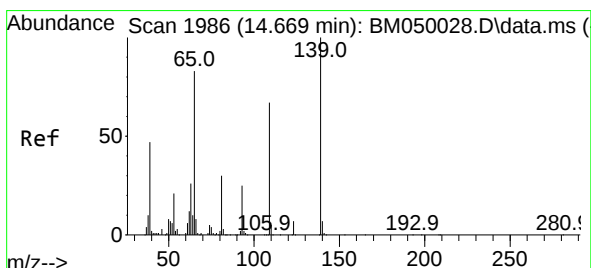
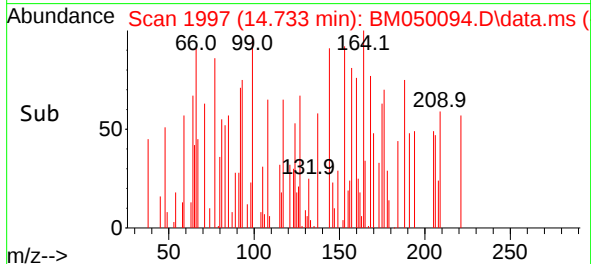
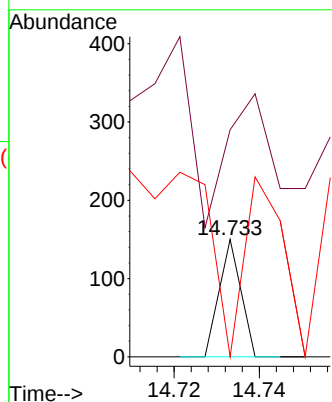
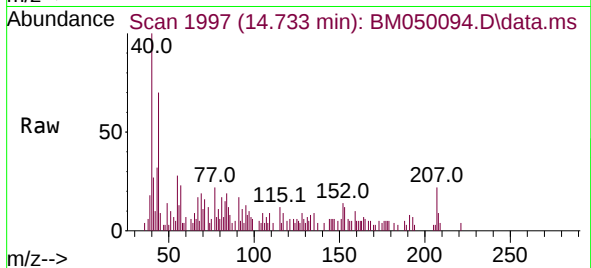




#54
2,4-Dinitrophenol
Concen: 5.747 ng
RT: 14.733 min Scan# 1965
Delta R.T. 0.188 min
Lab File: BM050094.D
Acq: 02 May 2025 20:34

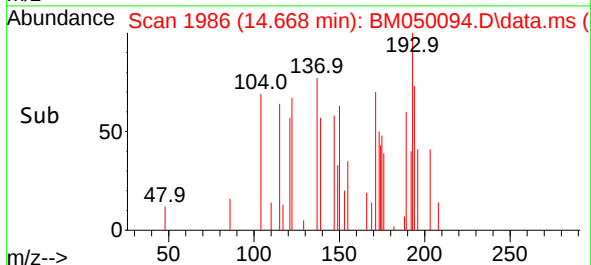
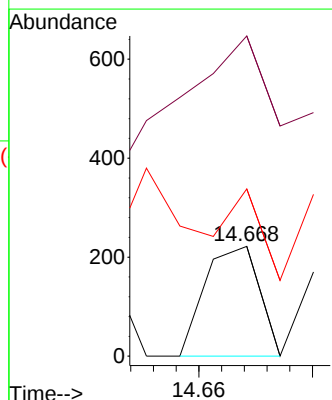
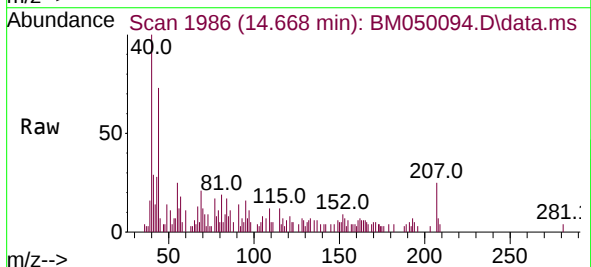
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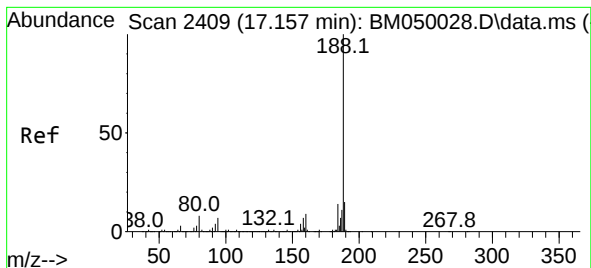
Tgt Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 193.3 39.8 59.6#
154 0.0 46.1 69.1#



#56
4-Nitrophenol
Concen: 4.544 ng
RT: 14.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: BM050094.D
Acq: 02 May 2025 20:34

Tgt Ion:139 Resp: 148
Ion Ratio Lower Upper
139 100
109 291.4 47.0 87.0#
65 152.3 64.3 104.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.145 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM050094.D

Acq: 02 May 2025 20:34

Instrument :

BNA_M

ClientSampleId :

OK-01-050125

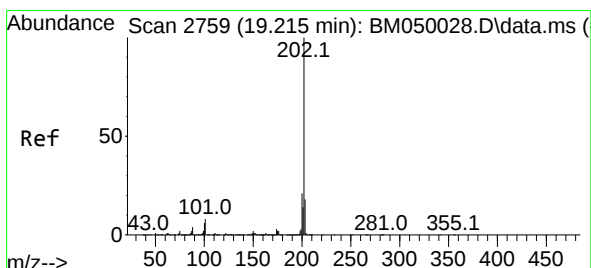
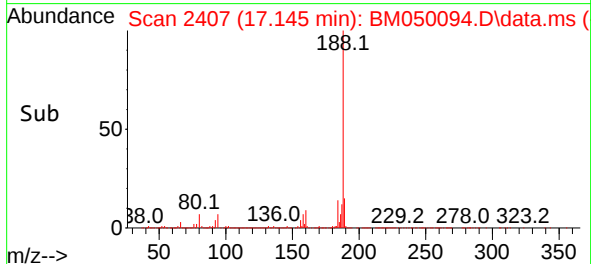
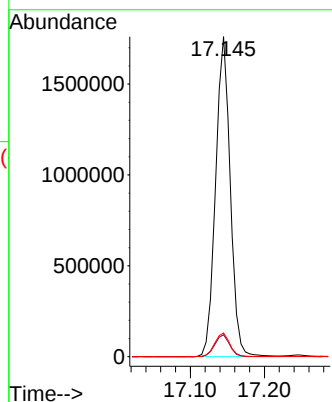
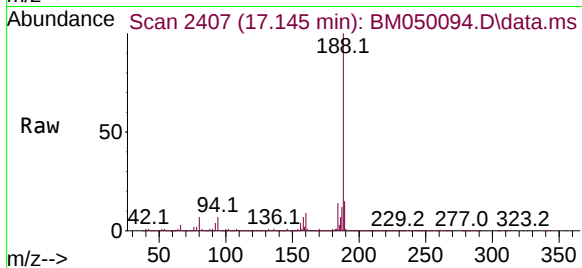
Tgt Ion:188 Resp: 2420942

Ion Ratio Lower Upper

188 100

94 6.9 5.7 8.5

80 7.4 6.2 9.4



#75

Fluoranthene

Concen: 2.395 ng

RT: 19.203 min Scan# 2757

Delta R.T. -0.012 min

Lab File: BM050094.D

Acq: 02 May 2025 20:34

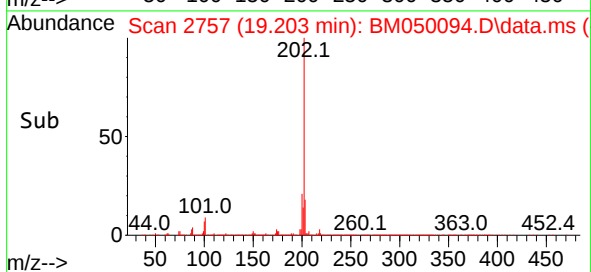
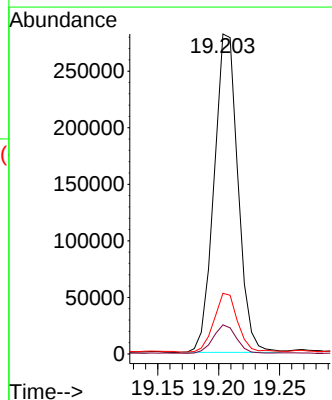
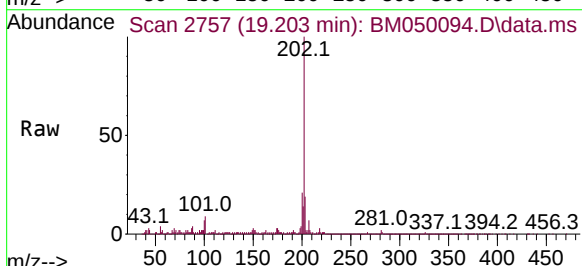
Tgt Ion:202 Resp: 383901

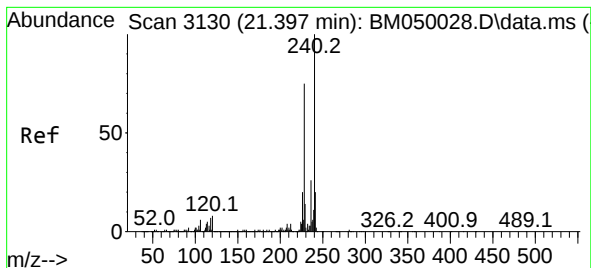
Ion Ratio Lower Upper

202 100

101 9.1 0.0 28.0

203 19.0 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 31

Delta R.T. -0.011 min

Lab File: BM050094.D

Acq: 02 May 2025 20:34

Instrument :

BNA_M

ClientSampleId :

OK-01-050125

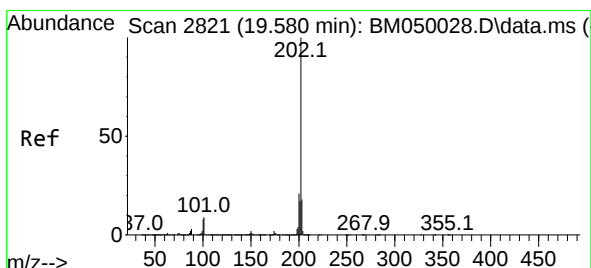
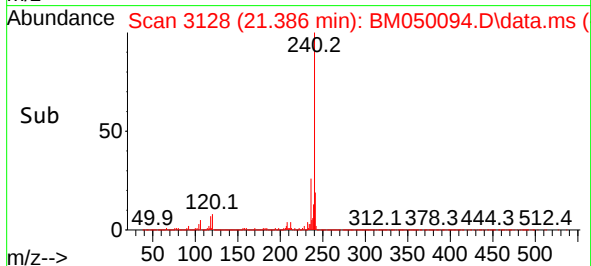
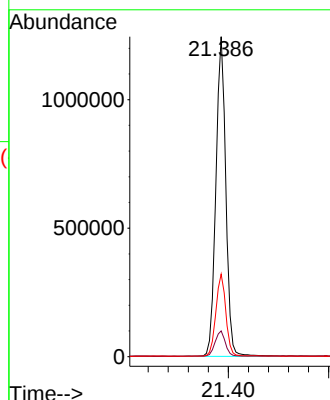
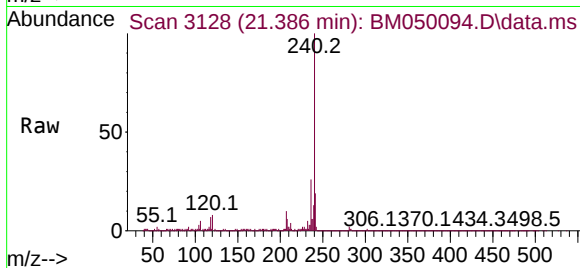
Tgt Ion:240 Resp: 1706448

Ion Ratio Lower Upper

240 100

120 8.1 6.5 9.7

236 25.8 20.9 31.3



#78

Pyrene

Concen: 3.468 ng

RT: 19.568 min Scan# 2819

Delta R.T. -0.012 min

Lab File: BM050094.D

Acq: 02 May 2025 20:34

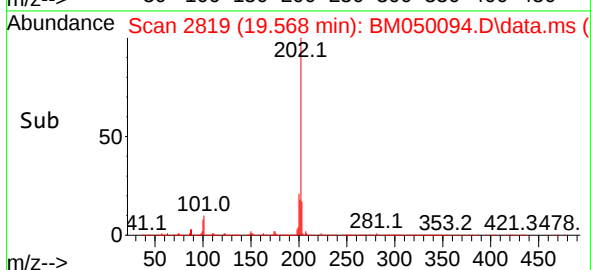
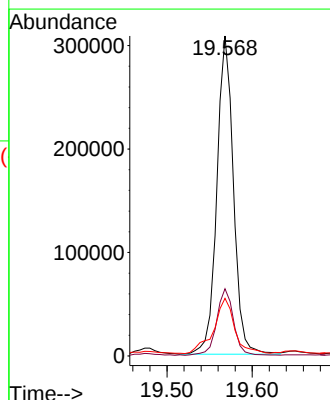
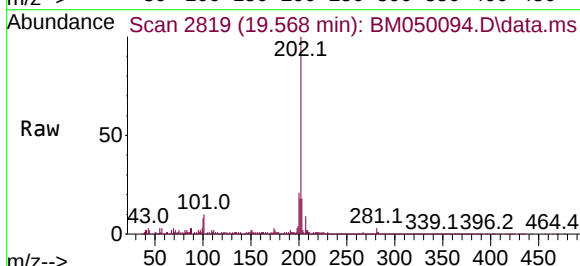
Tgt Ion:202 Resp: 415560

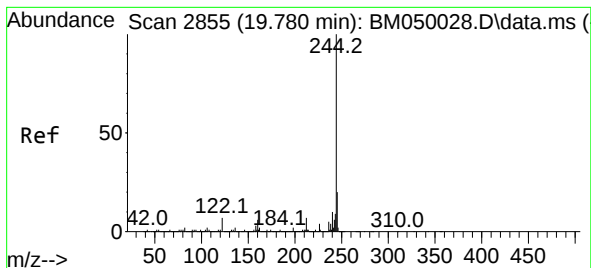
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 18.0 14.1 21.1





#79

Terphenyl-d14

Concen: 25.651 ng

RT: 19.768 min Scan# 2

Delta R.T. -0.012 min

Lab File: BM050094.D

Acq: 02 May 2025 20:34

Instrument :

BNA_M

ClientSampleId :

OK-01-050125

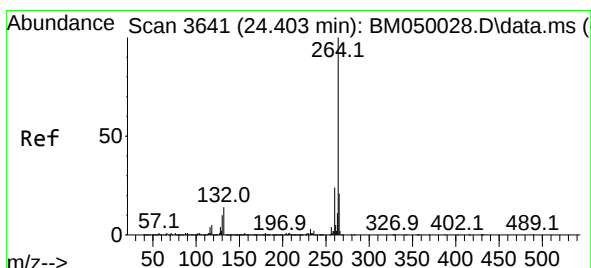
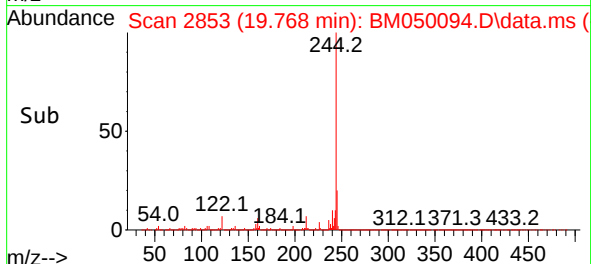
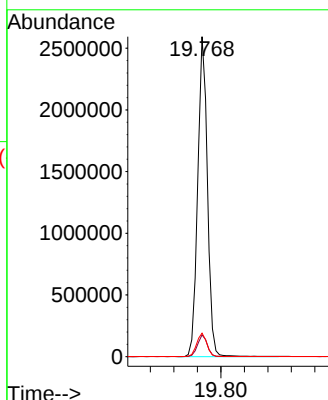
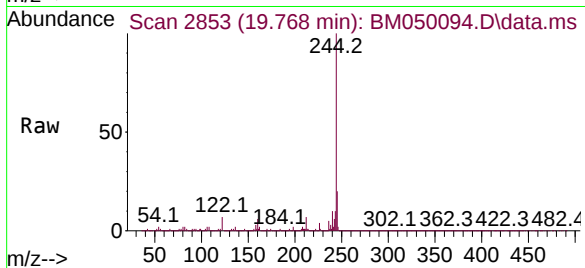
Tgt Ion:244 Resp: 2958133

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 7.4 5.6 8.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.380 min Scan# 3637

Delta R.T. -0.024 min

Lab File: BM050094.D

Acq: 02 May 2025 20:34

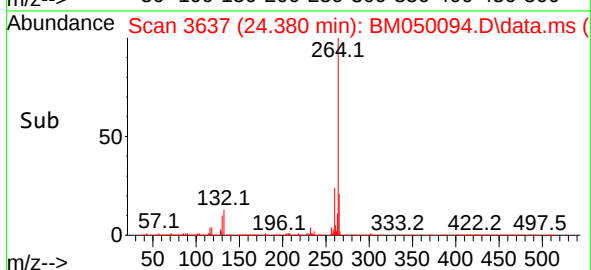
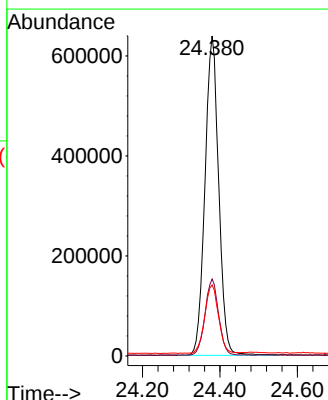
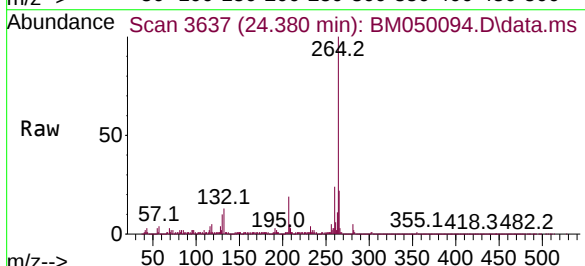
Tgt Ion:264 Resp: 1569666

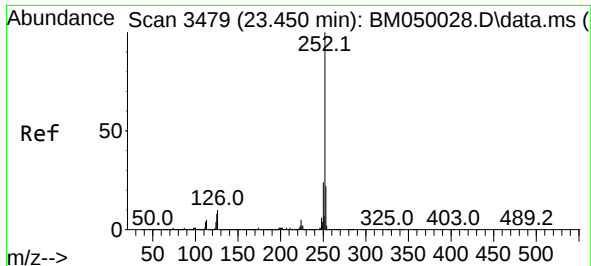
Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

265 22.2 17.0 25.4

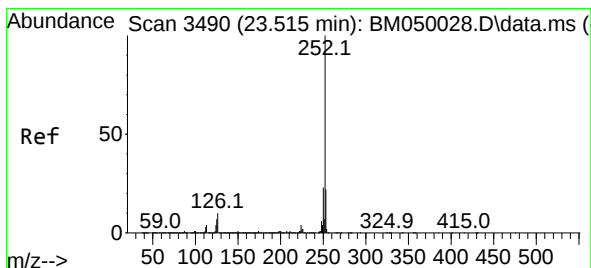
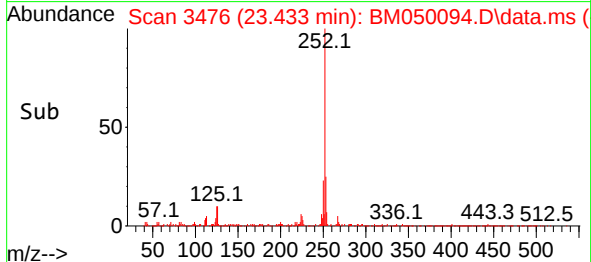
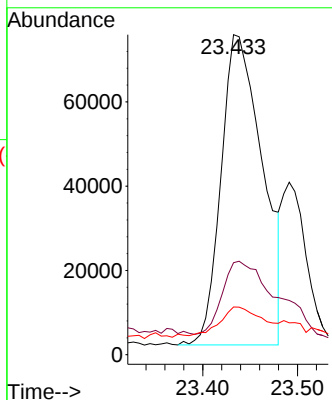
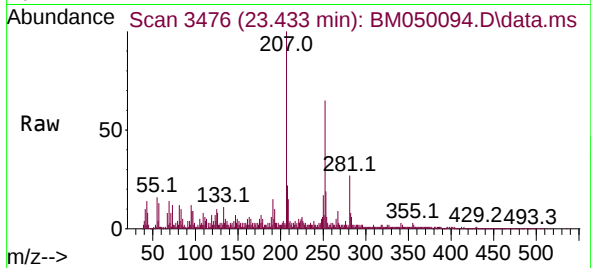




#88
Benzo(b)fluoranthene
Concen: 2.194 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.018 min
Lab File: BM050094.D
Acq: 02 May 2025 20:34

Instrument :
BNA_M
ClientSampleId :
OK-01-050125

Tgt Ion:252 Resp: 223968
Ion Ratio Lower Upper
252 100
253 28.8 17.7 26.5#
125 14.9 6.1 9.1#



#89
Benzo(k)fluoranthene
Concen: 2.169 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.082 min
Lab File: BM050094.D
Acq: 02 May 2025 20:34

Tgt Ion:252 Resp: 223968
Ion Ratio Lower Upper
252 100
253 28.8 17.4 26.2#
125 14.9 5.8 8.8#

