

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050120.D
 Acq On : 06 May 2025 15:20
 Operator : RC/JU
 Sample : Q1938-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOWER-WALL-PILE-B

Quant Time: May 06 16:11:10 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)

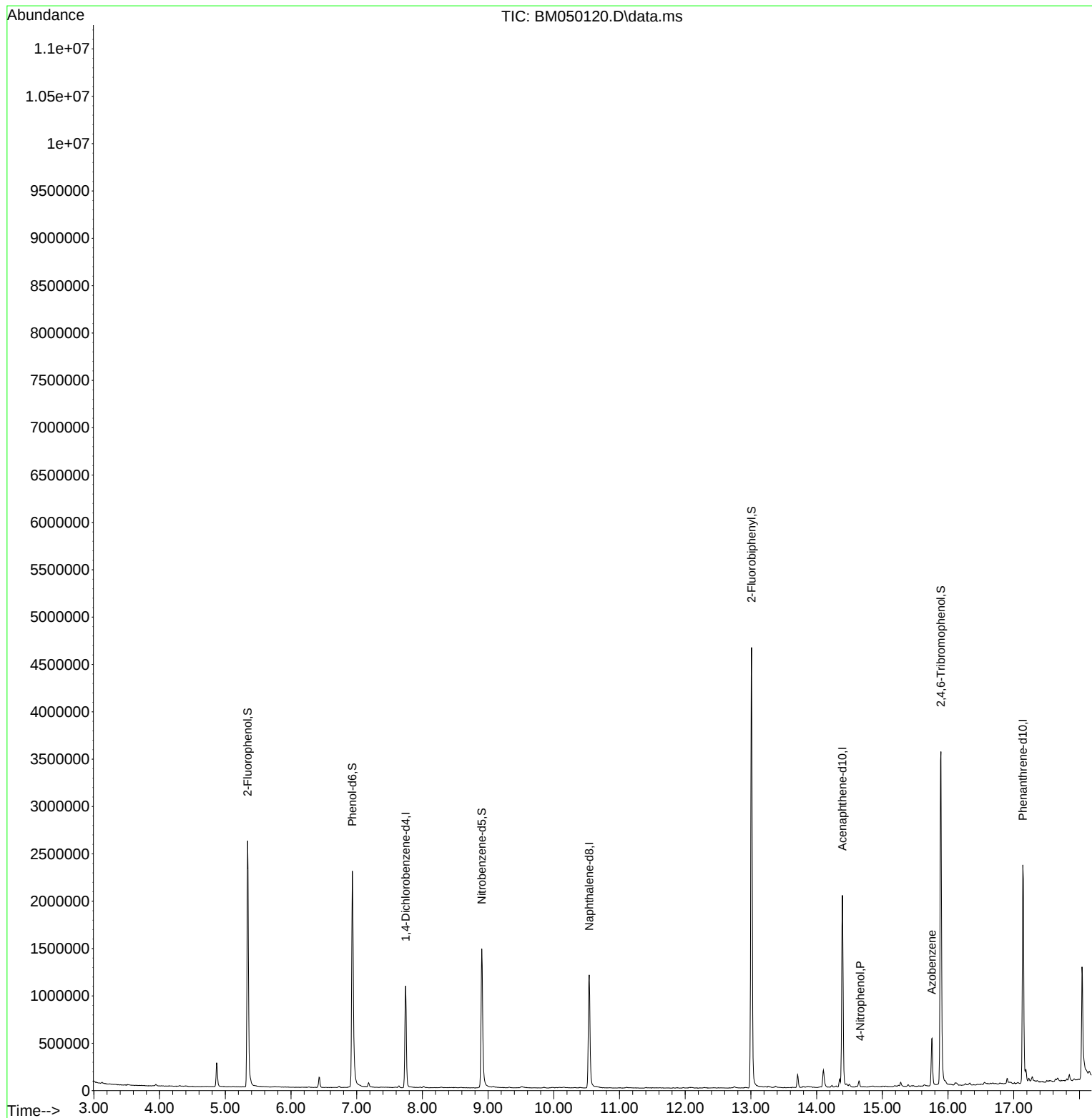
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.746	152	313931	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1147046	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	769427	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1473166	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1291742	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1325884	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1272945	71.004	ng	-0.02
7) Phenol-d6	6.934	99	1615896	71.712	ng	-0.02
23) Nitrobenzene-d5	8.904	82	976378	41.945	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	806981	70.931	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2722476	41.858	ng	-0.02
79) Terphenyl-d14	19.768	244	4203647	48.154	ng	-0.01
Target Compounds						
						Qvalue
56) 4-Nitrophenol	14.663	139	130	4.547	ng	# 1
63) Azobenzene	15.751	77	149948	3.377	ng	# 1
75) Fluoranthene	19.204	202	238848	2.448	ng	97
78) Pyrene	19.568	202	258217	2.847	ng	99
80) Butylbenzylphthalate	20.539	149	89347	2.630	ng	# 17
88) Benzo(b)fluoranthene	23.433	252	237651	2.756	ng	# 85
89) Benzo(k)fluoranthene	23.433	252	237651	2.725	ng	# 85
90) Benzo(a)pyrene	24.239	252	168717	2.089	ng	# 89

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

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Misc :
ALS Vial : 10 Sample Multiplier: 1

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BNA_M
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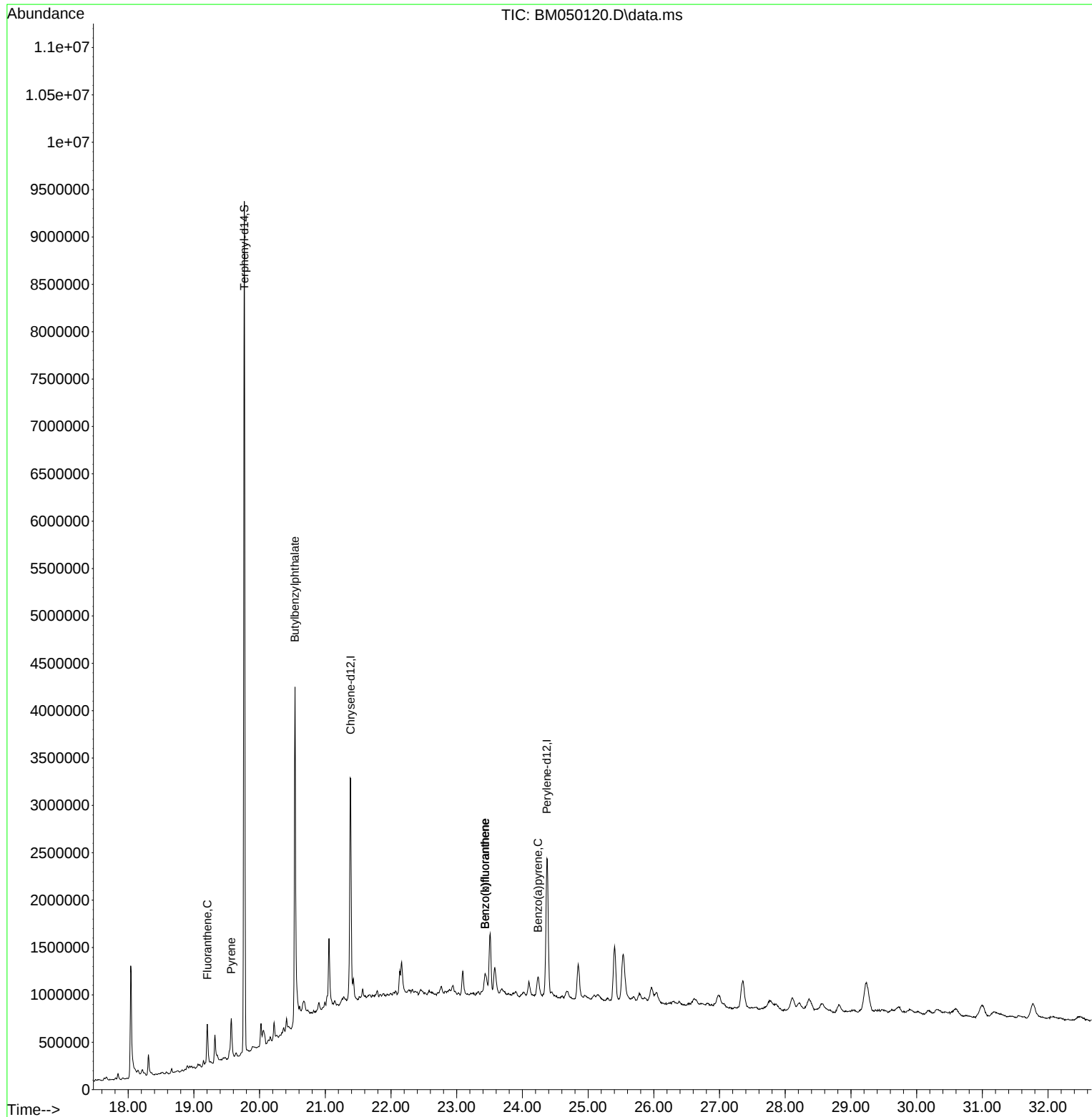
Quant Time: May 06 16:11:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
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Data File : BM050120.D
Acq On : 06 May 2025 15:20
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Quant Time: May 06 16:11:10 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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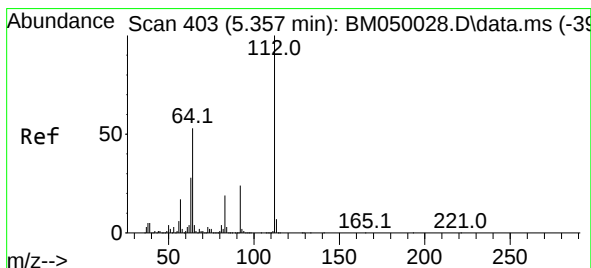
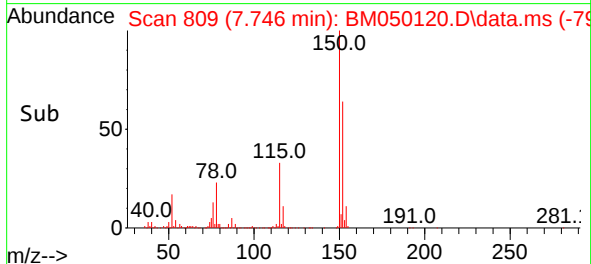
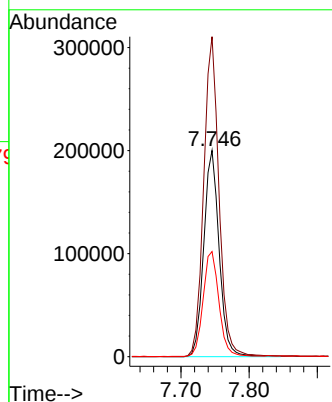
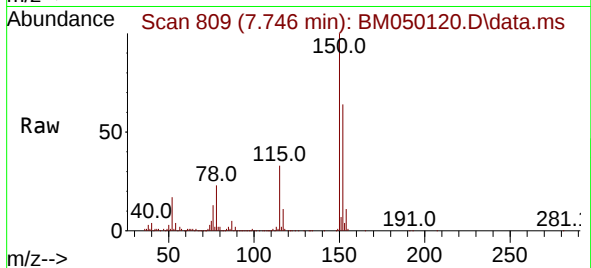




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.746 min Scan# 80
Delta R.T. -0.023 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

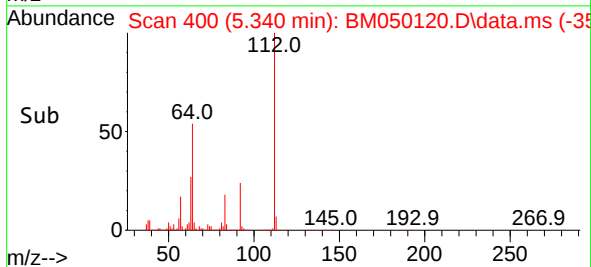
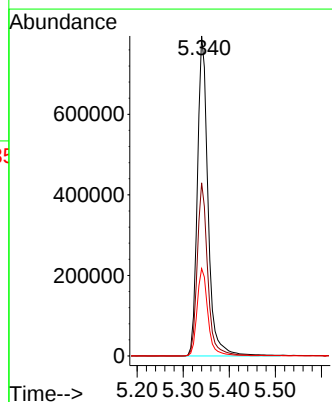
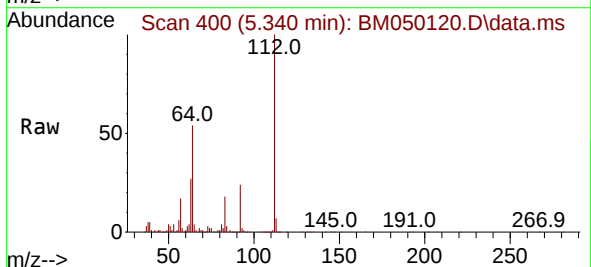
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-B

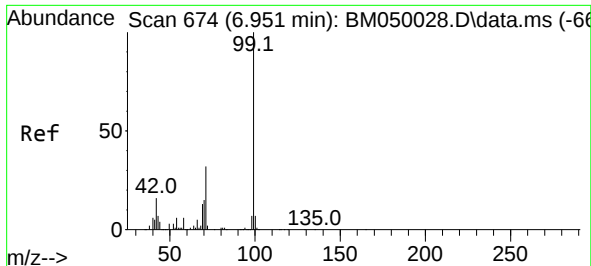
Tgt Ion:152 Resp: 313931
Ion Ratio Lower Upper
152 100
150 155.2 124.1 186.1
115 51.0 41.2 61.8



#5
2-Fluorophenol
Concen: 71.004 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

Tgt Ion:112 Resp: 1272945
Ion Ratio Lower Upper
112 100
64 54.1 42.6 64.0
63 27.3 22.2 33.4

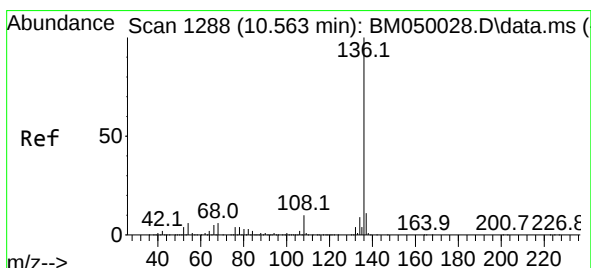
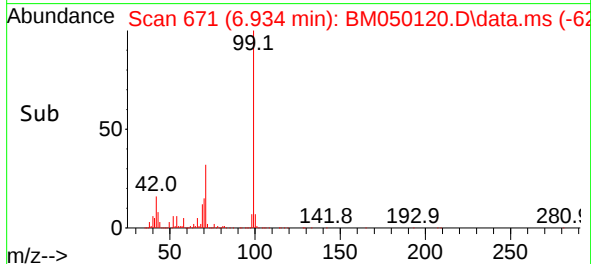
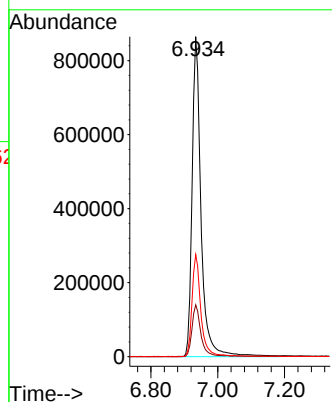
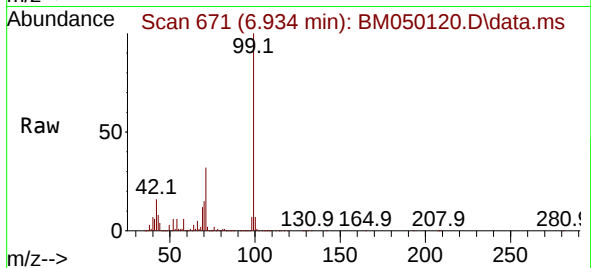




#7
Phenol-d6
Concen: 71.712 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

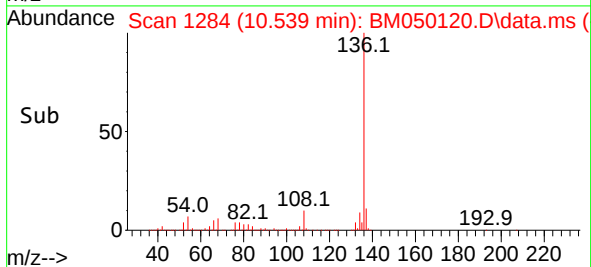
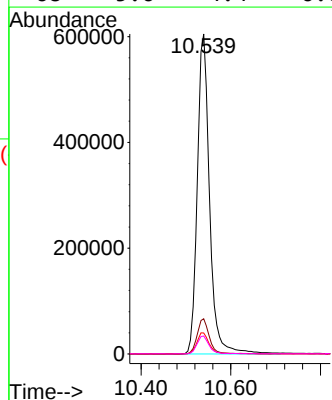
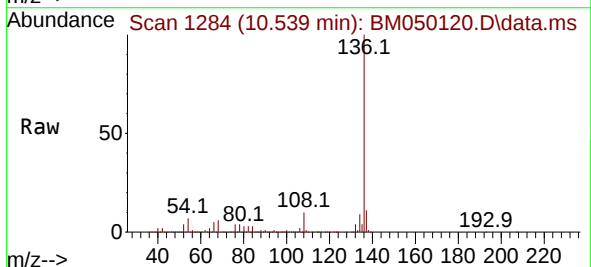
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-B

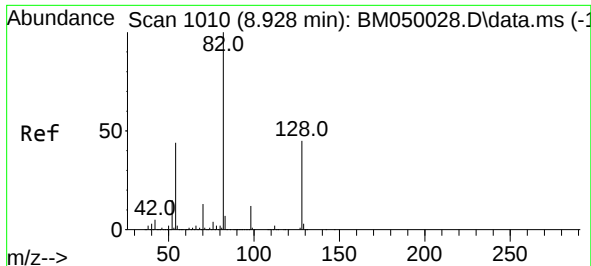
Tgt Ion: 99 Resp: 1615896
Ion Ratio Lower Upper
99 100
42 16.2 13.0 19.4
71 31.9 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

Tgt Ion: 136 Resp: 1147046
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.6 5.1 7.7
68 5.6 4.4 6.6

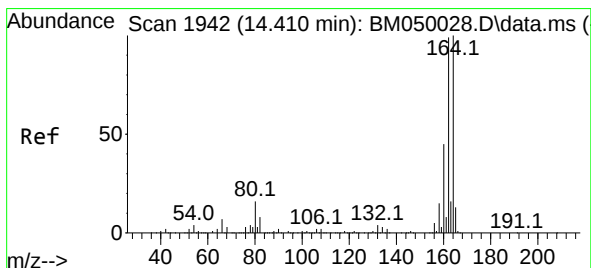
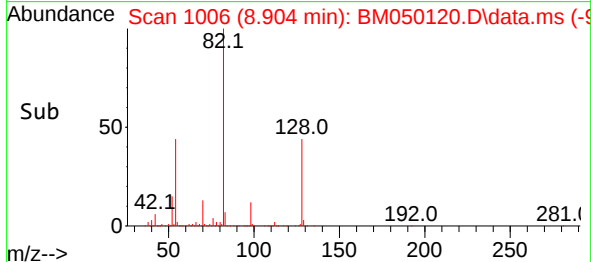
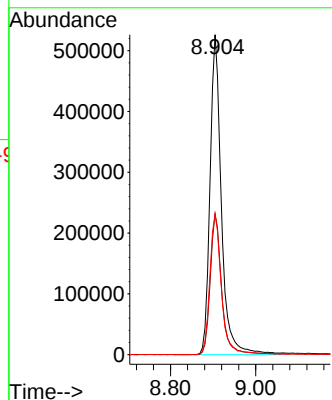
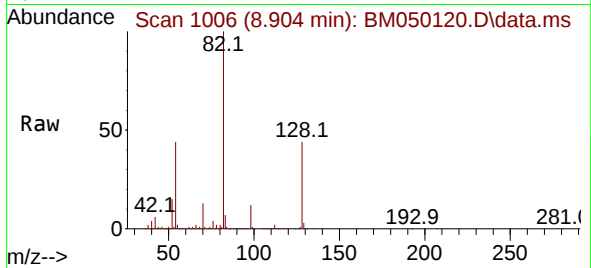




#23
Nitrobenzene-d5
Concen: 41.945 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.023 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

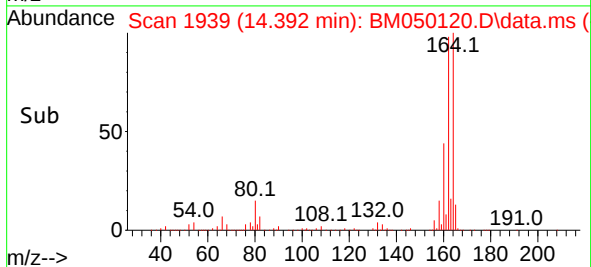
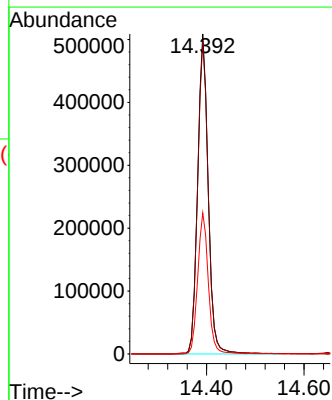
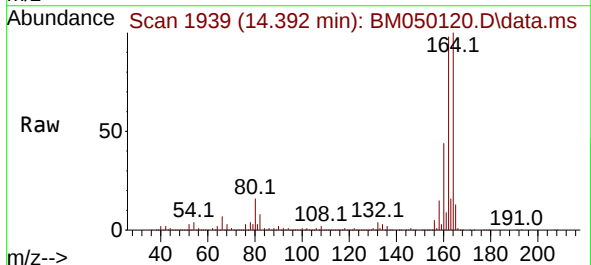
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-B

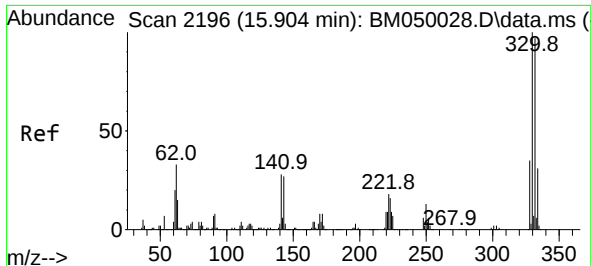
Tgt Ion: 82 Resp: 976378
Ion Ratio Lower Upper
82 100
128 44.0 35.7 53.5
54 43.9 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

Tgt Ion: 164 Resp: 769427
Ion Ratio Lower Upper
164 100
162 97.8 79.4 119.0
160 44.1 36.2 54.4

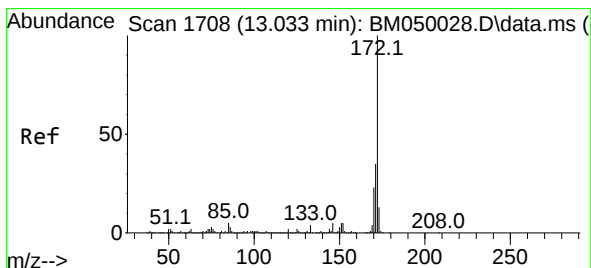
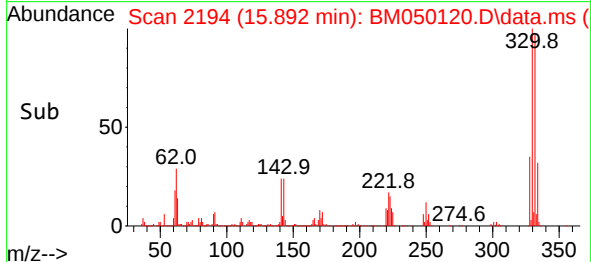
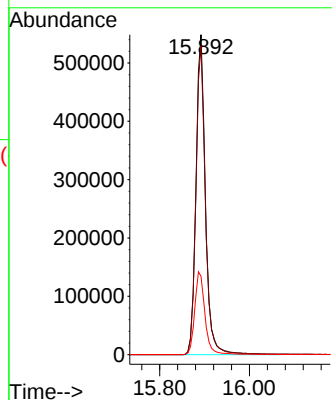
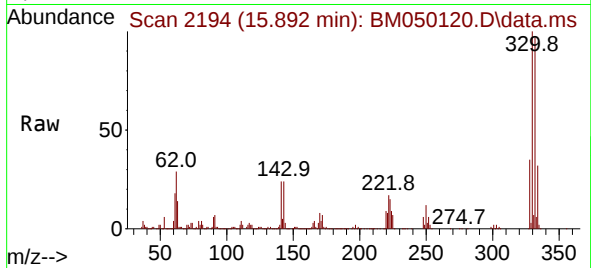




#42
2,4,6-Tribromophenol
Concen: 70.931 ng
RT: 15.892 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

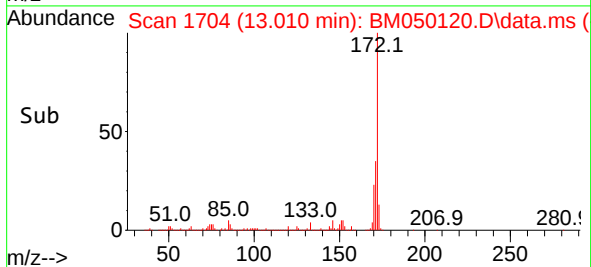
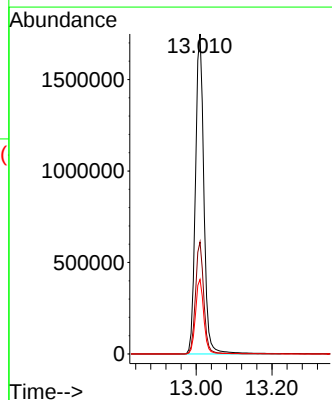
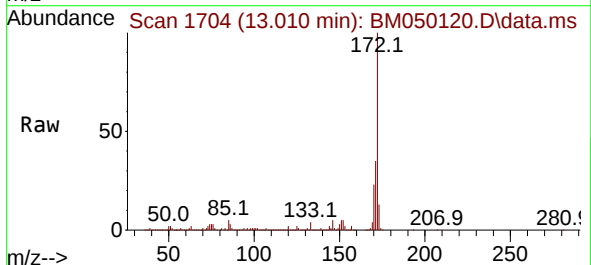
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-B

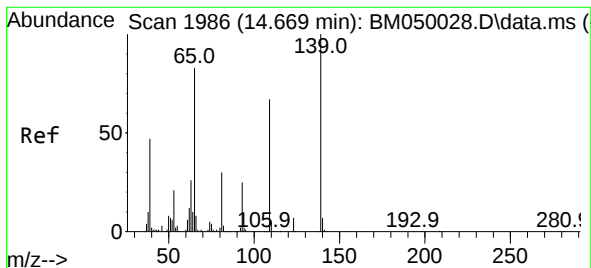
Tgt Ion:330 Resp: 806981
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 27.8 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 41.858 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.023 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

Tgt Ion:172 Resp: 2722476
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.6
170 23.3 18.6 28.0

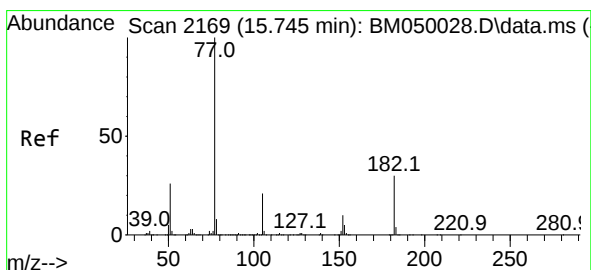
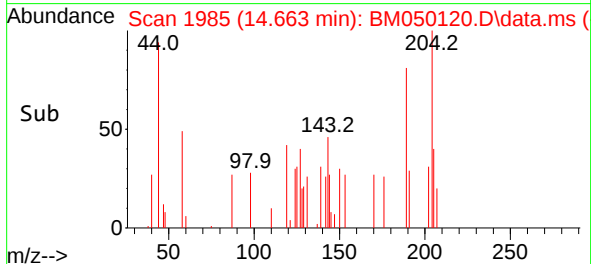
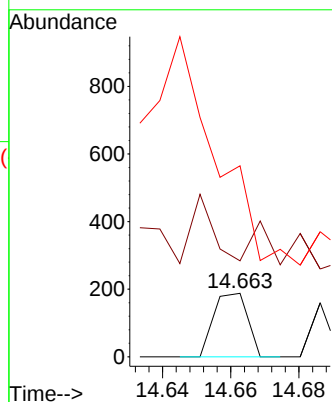
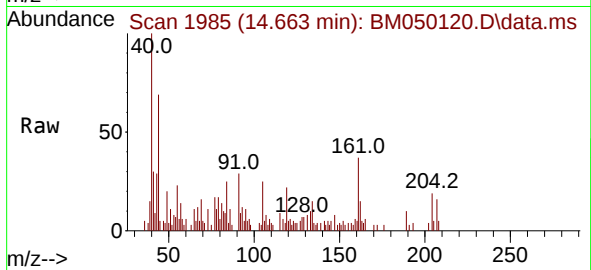




#56
4-Nitrophenol
Concen: 4.547 ng
RT: 14.663 min Scan# 1986
Delta R.T. -0.006 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

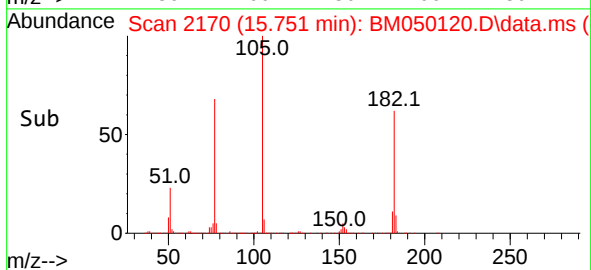
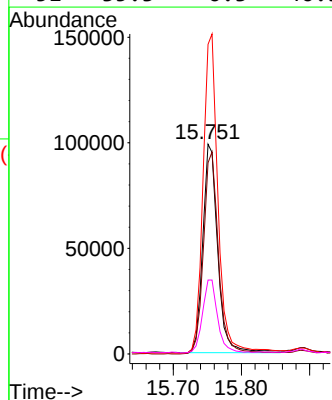
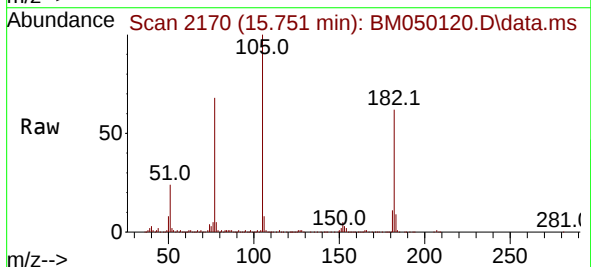
Instrument :
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ClientSampleId :
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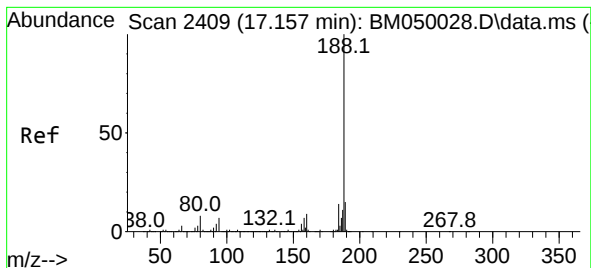
Tgt Ion:139 Resp: 130
Ion Ratio Lower Upper
139 100
109 151.1 47.0 87.0#
65 300.5 64.3 104.3#



#63
Azobenzene
Concen: 3.377 ng
RT: 15.751 min Scan# 2170
Delta R.T. 0.006 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

Tgt Ion: 77 Resp: 149948
Ion Ratio Lower Upper
77 100
182 91.1 10.5 50.5#
105 147.6 1.1 41.1#
51 35.3 6.3 46.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.139 min Scan# 24

Delta R.T. -0.018 min

Lab File: BM050120.D

Acq: 06 May 2025 15:20

Instrument :

BNA_M

ClientSampleId :

LOWER-WALL-PILE-B

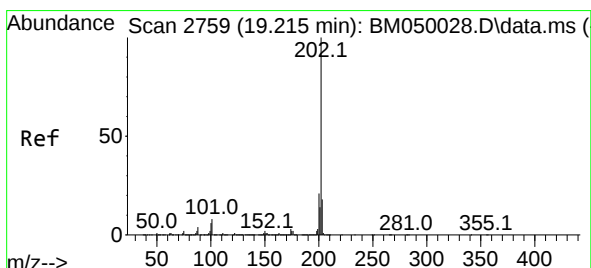
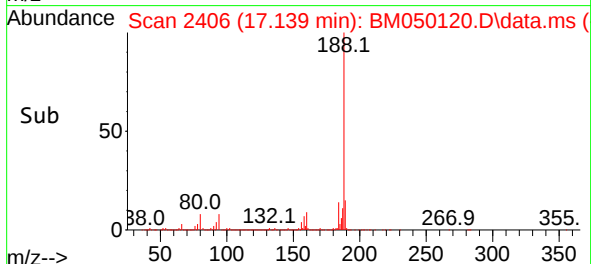
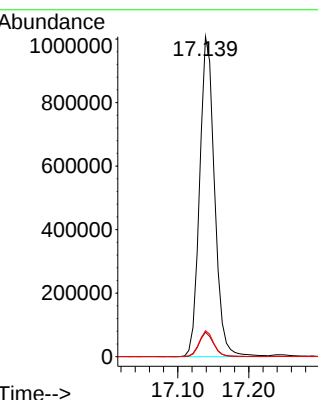
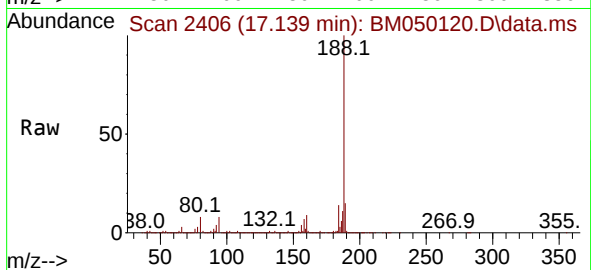
Tgt Ion:188 Resp: 1473166

Ion Ratio Lower Upper

188 100

94 7.6 5.7 8.5

80 8.1 6.2 9.4



#75

Fluoranthene

Concen: 2.448 ng

RT: 19.204 min Scan# 2757

Delta R.T. -0.012 min

Lab File: BM050120.D

Acq: 06 May 2025 15:20

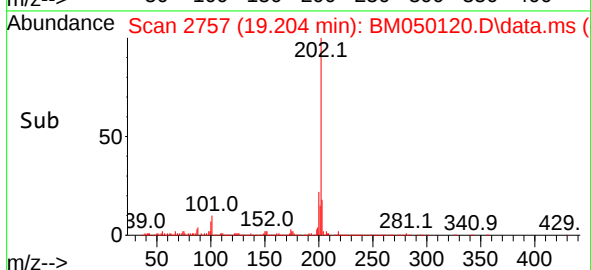
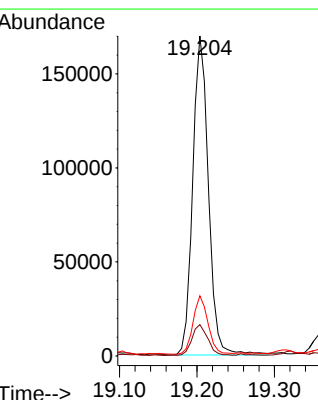
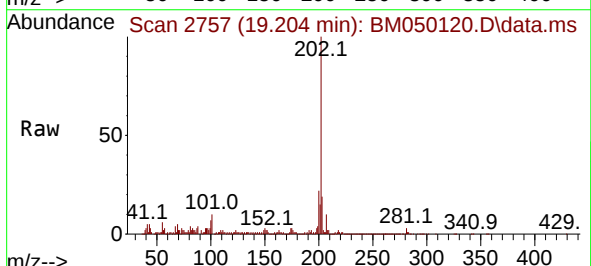
Tgt Ion:202 Resp: 238848

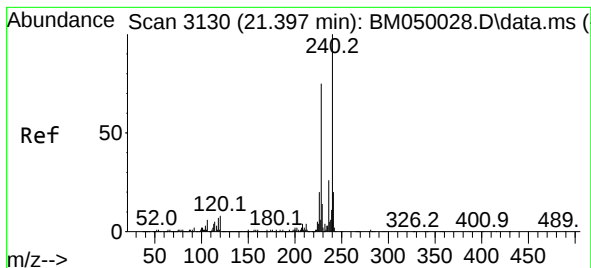
Ion Ratio Lower Upper

202 100

101 9.8 0.0 28.0

203 18.8 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: BM050120.D

Acq: 06 May 2025 15:20

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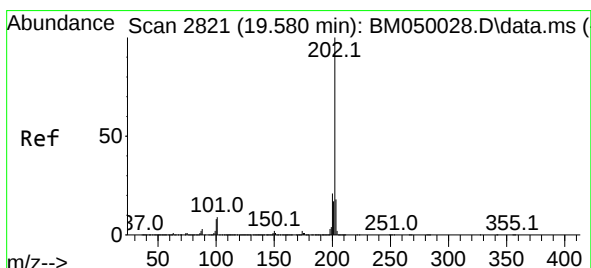
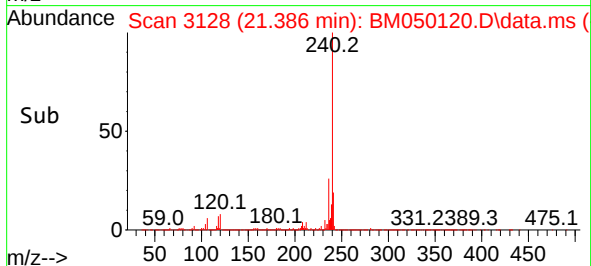
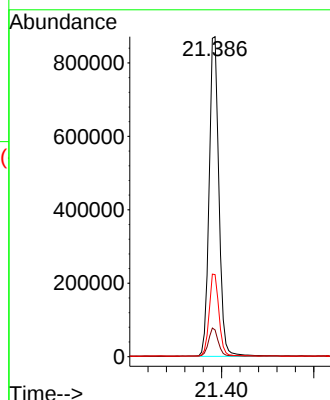
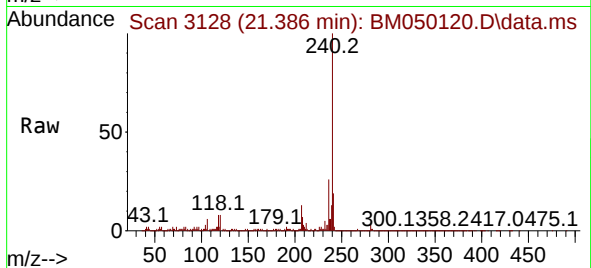
Tgt Ion:240 Resp: 1291742

Ion Ratio Lower Upper

240 100

120 8.4 6.5 9.7

236 25.7 20.9 31.3



#78

Pyrene

Concen: 2.847 ng

RT: 19.568 min Scan# 2819

Delta R.T. -0.012 min

Lab File: BM050120.D

Acq: 06 May 2025 15:20

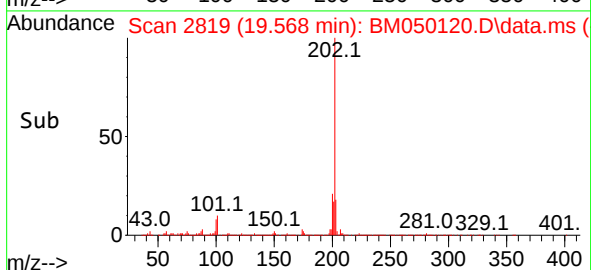
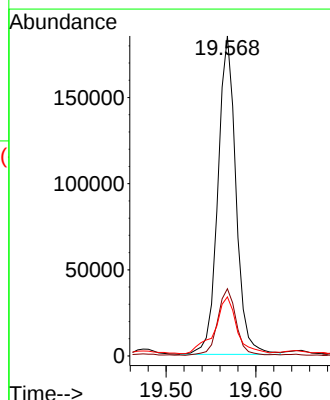
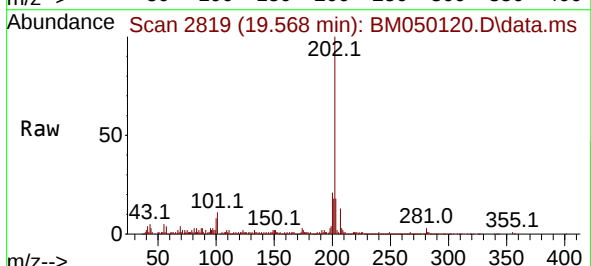
Tgt Ion:202 Resp: 258217

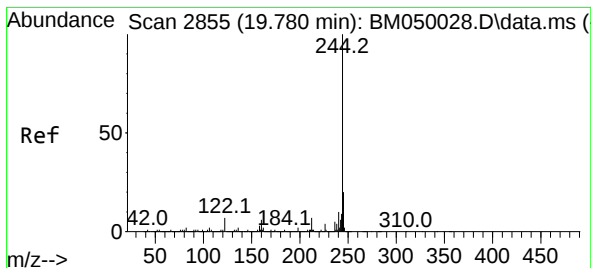
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 18.4 14.1 21.1





#79

Terphenyl-d14

Concen: 48.154 ng

RT: 19.768 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050120.D

Acq: 06 May 2025 15:20

Instrument :

BNA_M

ClientSampleId :

LOWER-WALL-PILE-B

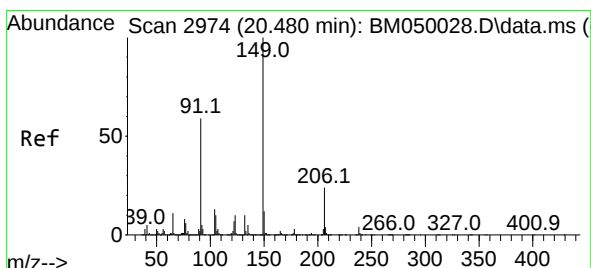
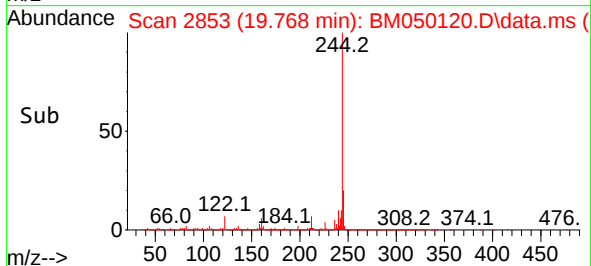
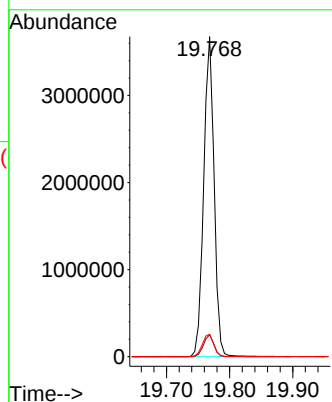
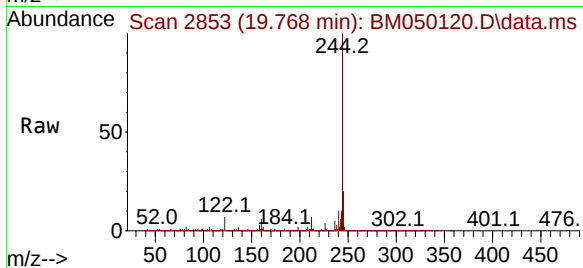
Tgt Ion:244 Resp: 4203647

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 7.0 5.6 8.4



#80

Butylbenzylphthalate

Concen: 2.630 ng

RT: 20.539 min Scan# 2984

Delta R.T. 0.059 min

Lab File: BM050120.D

Acq: 06 May 2025 15:20

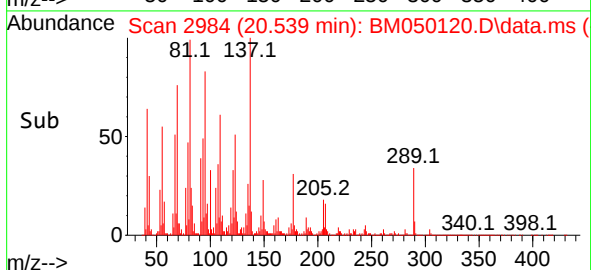
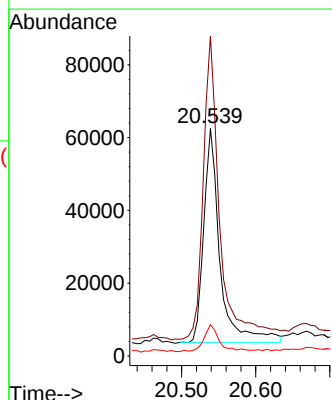
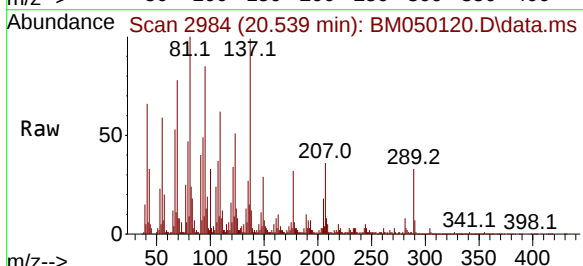
Tgt Ion:149 Resp: 89347

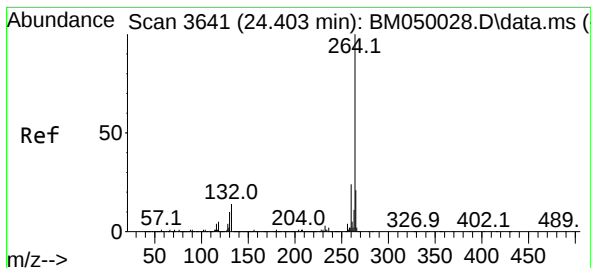
Ion Ratio Lower Upper

149 100

91 140.6 47.4 71.2#

206 13.7 19.4 29.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.374 min Scan# 3

Delta R.T. -0.029 min

Lab File: BM050120.D

Acq: 06 May 2025 15:20

Instrument :

BNA_M

ClientSampleId :

LOWER-WALL-PILE-B

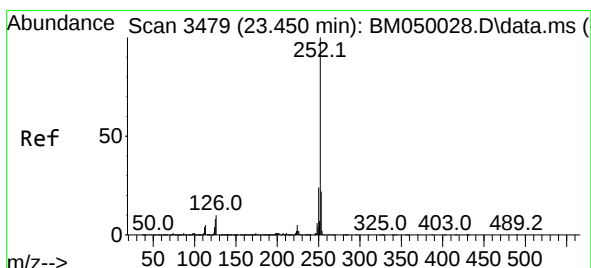
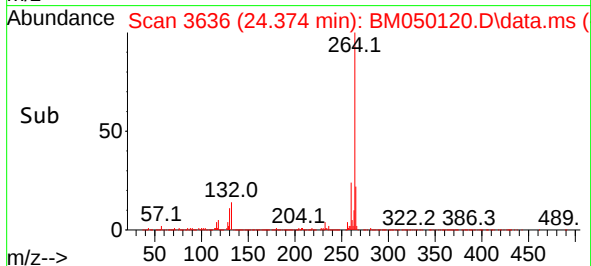
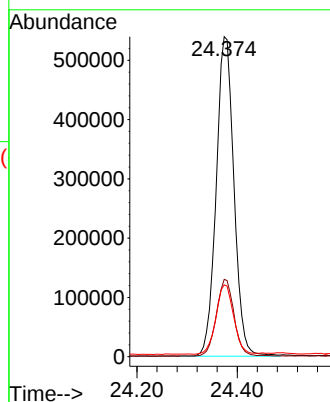
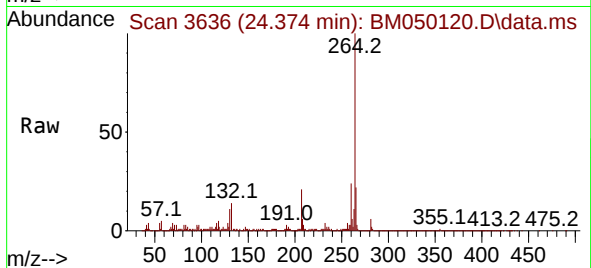
Tgt Ion:264 Resp: 1325884

Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

265 22.5 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 2.756 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.018 min

Lab File: BM050120.D

Acq: 06 May 2025 15:20

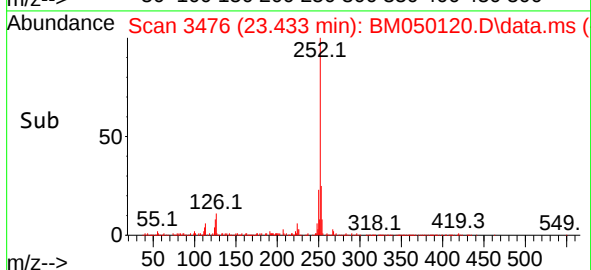
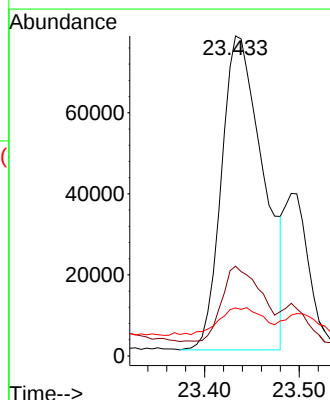
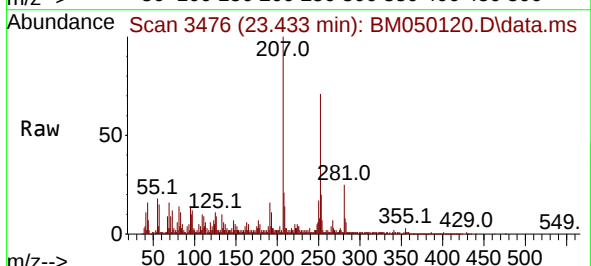
Tgt Ion:252 Resp: 237651

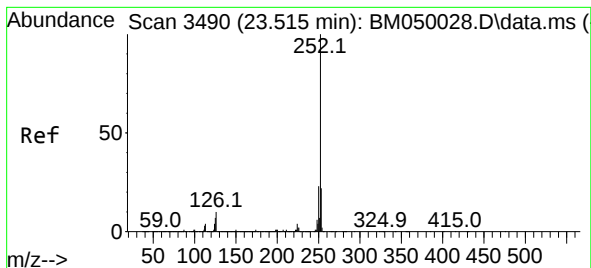
Ion Ratio Lower Upper

252 100

253 28.1 17.7 26.5#

125 15.0 6.1 9.1#





#89

Benzo(k)fluoranthene

Concen: 2.725 ng

RT: 23.433 min Scan# 34

Delta R.T. -0.082 min

Lab File: BM050120.D

Acq: 06 May 2025 15:20

Instrument :

BNA_M

ClientSampleId :

LOWER-WALL-PILE-B

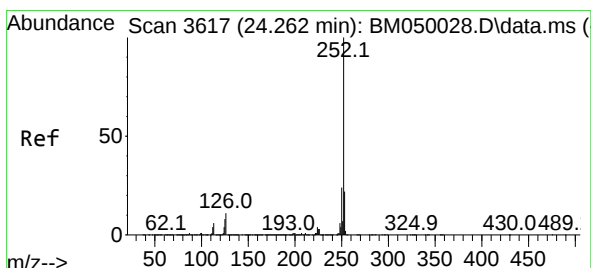
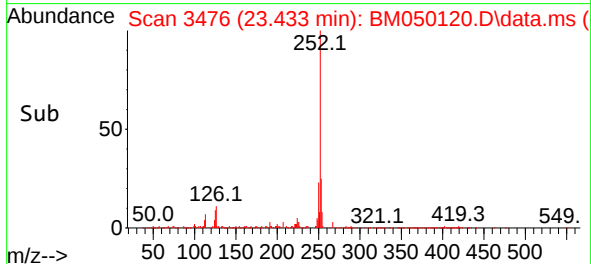
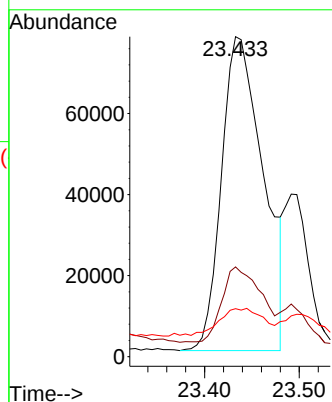
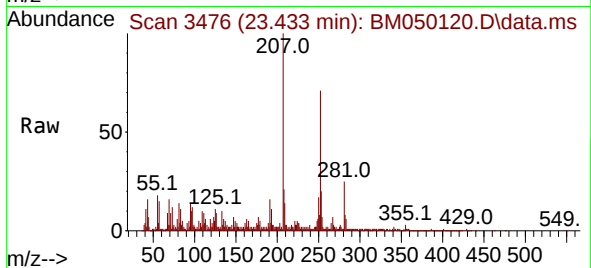
Tgt Ion:252 Resp: 237651

Ion Ratio Lower Upper

252 100

253 28.1 17.4 26.2#

125 15.0 5.8 8.8#



#90

Benzo(a)pyrene

Concen: 2.089 ng

RT: 24.239 min Scan# 3613

Delta R.T. -0.023 min

Lab File: BM050120.D

Acq: 06 May 2025 15:20

Tgt Ion:252 Resp: 168717

Ion Ratio Lower Upper

252 100

253 25.3 17.4 26.0

125 15.8 6.6 9.8#

