

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050125.D
 Acq On : 06 May 2025 18:36
 Operator : RC/JU
 Sample : Q1960-02 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 72-11933

Quant Time: May 07 02:17:51 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)

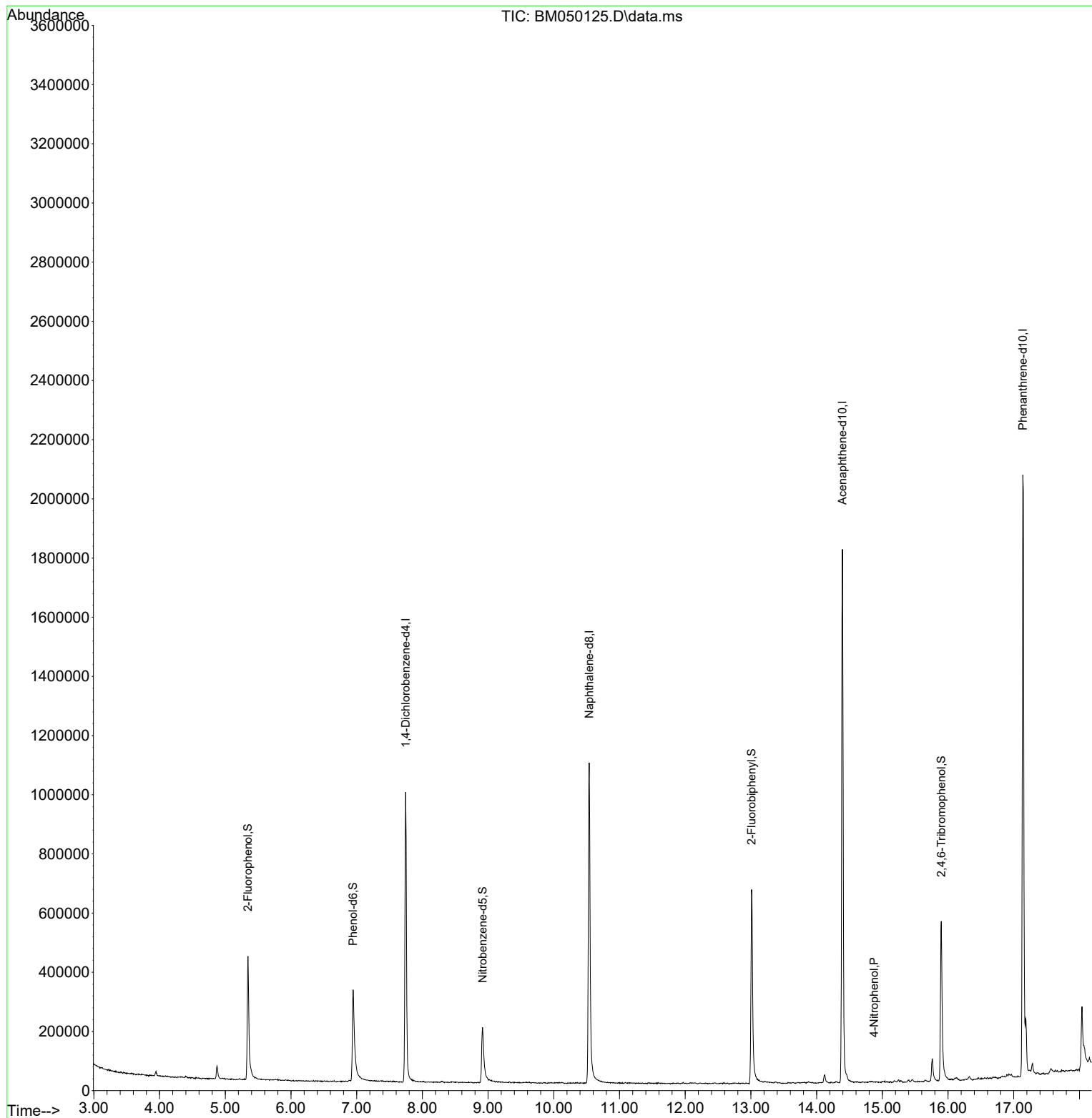
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	306414	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1092327	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	723505	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1393549	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1279367	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1296751	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	245239	14.015	ng	-0.01
7) Phenol-d6	6.945	99	298242	13.560	ng	0.00
23) Nitrobenzene-d5	8.916	82	167746	7.567	ng	-0.01
42) 2,4,6-Tribromophenol	15.898	330	137178	12.823	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	463231	7.574	ng	-0.02
79) Terphenyl-d14	19.762	244	695518	8.045	ng	-0.02
Target Compounds						
						Qvalue
56) 4-Nitrophenol	14.874	139	268	4.563	ng	89
75) Fluoranthene	19.203	202	276682	2.998	ng	98
78) Pyrene	19.568	202	254717	2.835	ng	99
88) Benzo(b)fluoranthene	23.433	252	219087	2.598	ng #	93
89) Benzo(k)fluoranthene	23.433	252	219087	2.568	ng #	92

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

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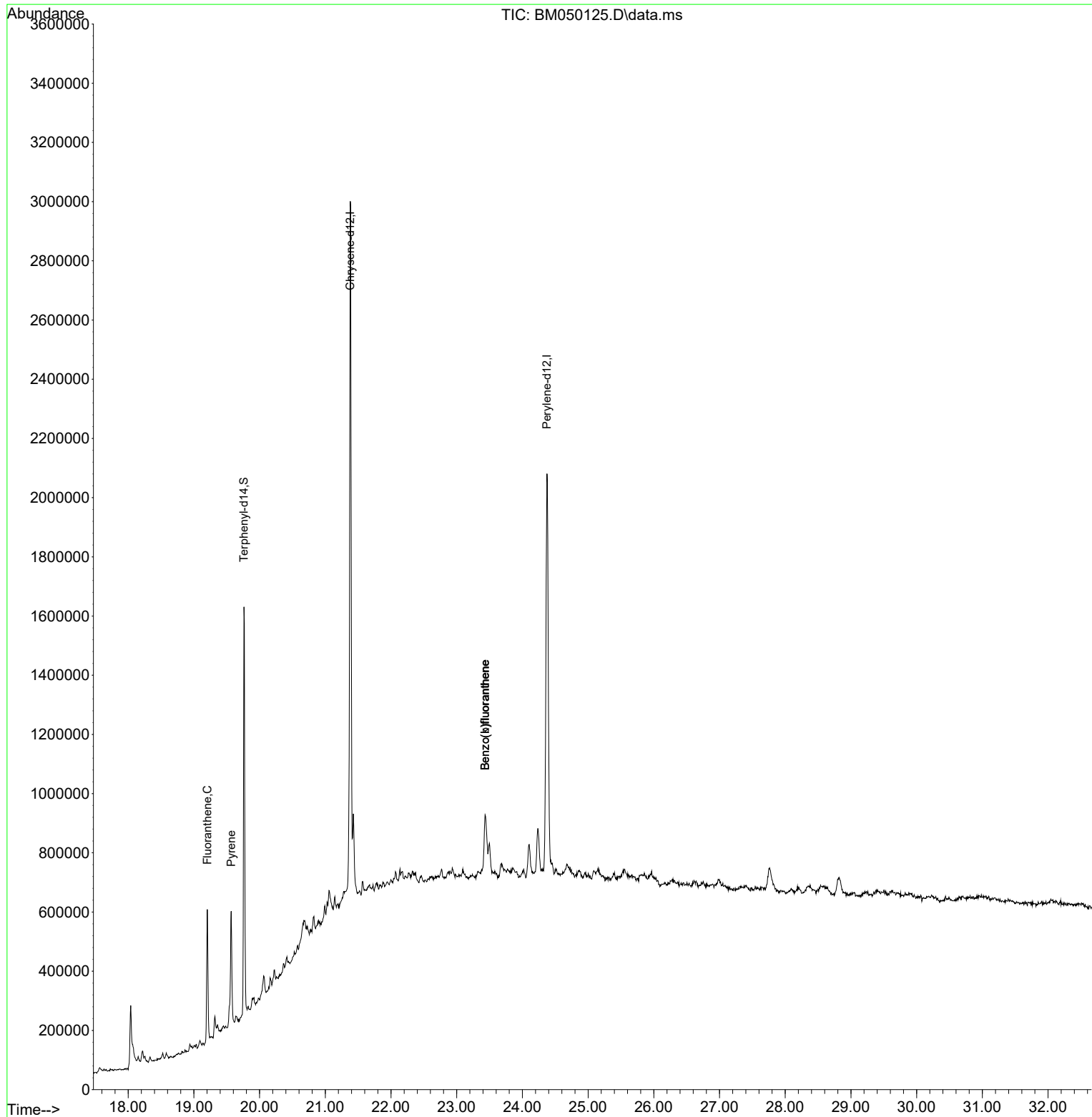
Quant Time: May 07 02:17:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

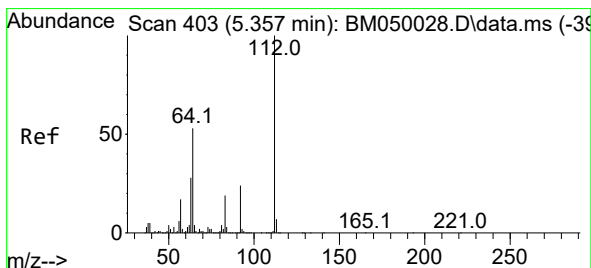
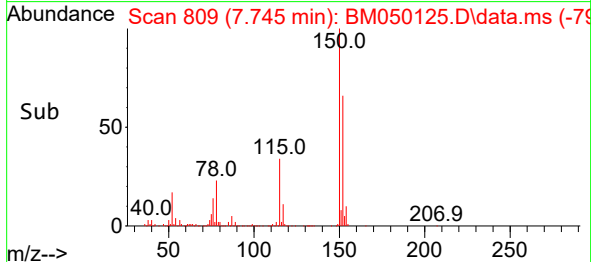
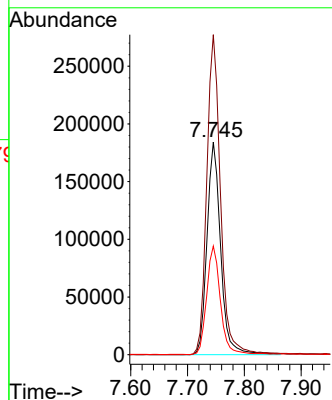
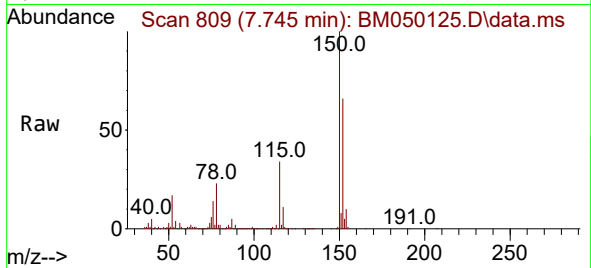




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050125.D
Acq: 06 May 2025 18:36

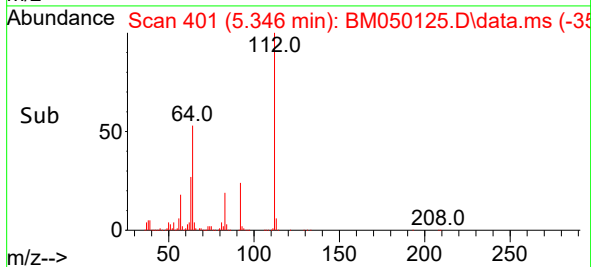
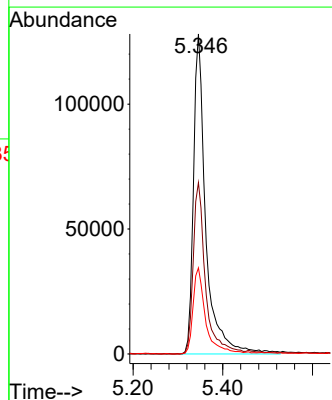
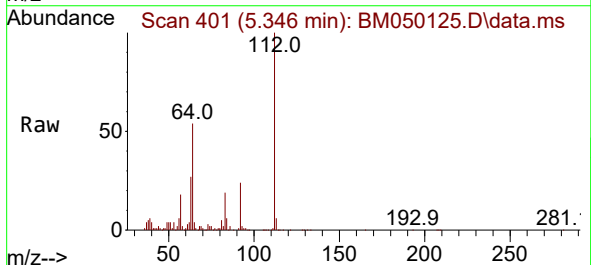
Instrument :
BNA_M
ClientSampleId :
72-11933

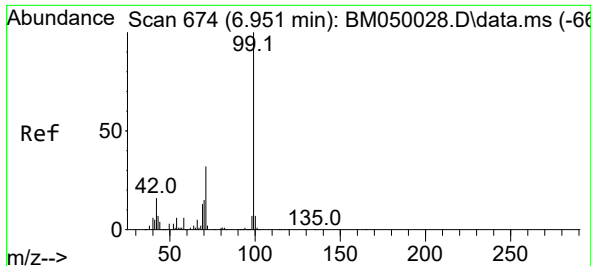
Tgt Ion:152 Resp: 306414
Ion Ratio Lower Upper
152 100
150 150.5 124.1 186.1
115 51.1 41.2 61.8



#5
2-Fluorophenol
Concen: 14.015 ng
RT: 5.346 min Scan# 401
Delta R.T. -0.012 min
Lab File: BM050125.D
Acq: 06 May 2025 18:36

Tgt Ion:112 Resp: 245239
Ion Ratio Lower Upper
112 100
64 53.6 42.6 64.0
63 26.9 22.2 33.4

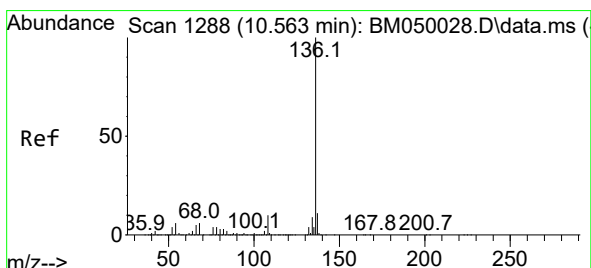
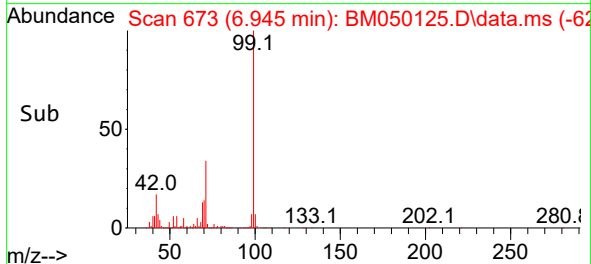
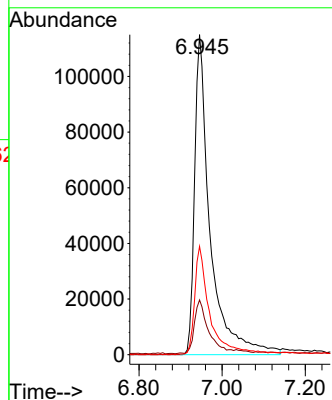
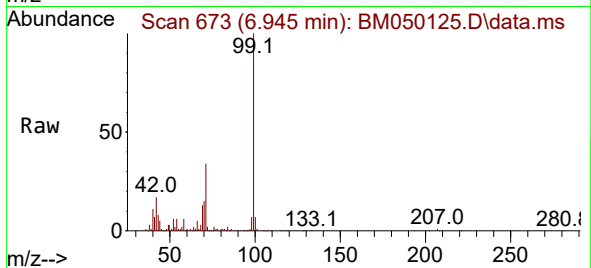




#7
Phenol-d6
Concen: 13.560 ng
RT: 6.945 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050125.D
Acq: 06 May 2025 18:36

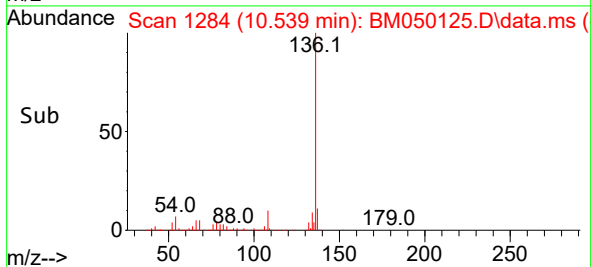
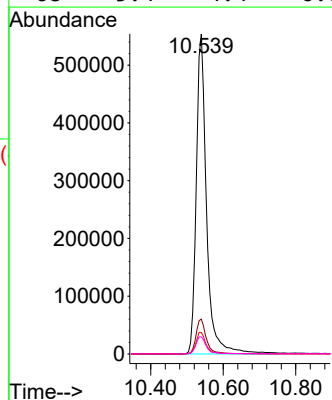
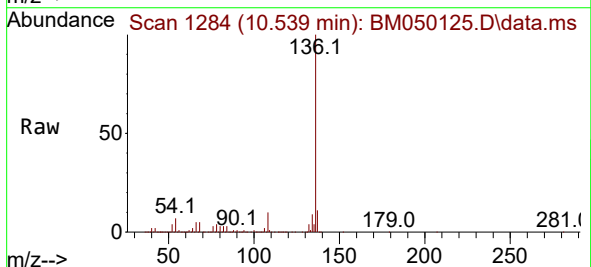
Instrument :
BNA_M
ClientSampleId :
72-11933

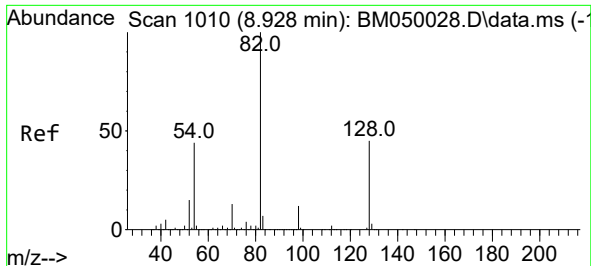
Tgt Ion: 99 Resp: 298242
Ion Ratio Lower Upper
99 100
42 17.1 13.0 19.4
71 33.8 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050125.D
Acq: 06 May 2025 18:36

Tgt Ion: 136 Resp: 1092327
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.7 5.1 7.7
68 5.4 4.4 6.6

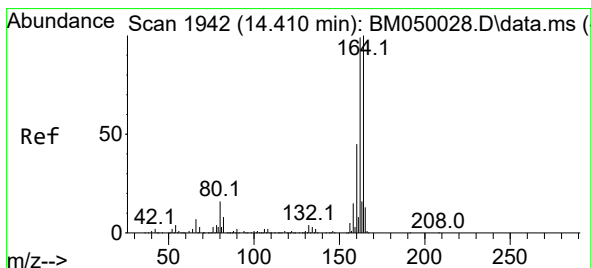
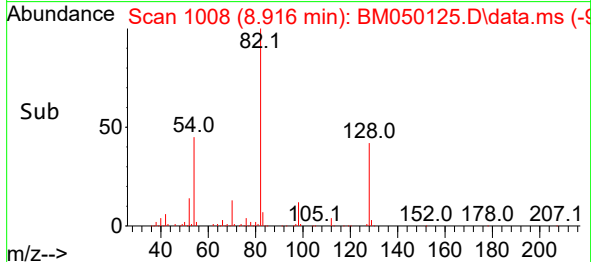
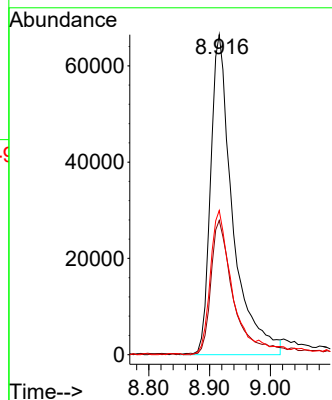
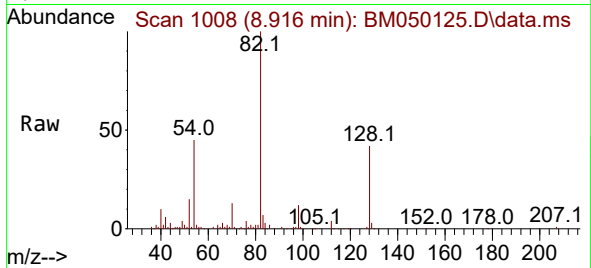




#23
Nitrobenzene-d5
Concen: 7.567 ng
RT: 8.916 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BM050125.D
Acq: 06 May 2025 18:36

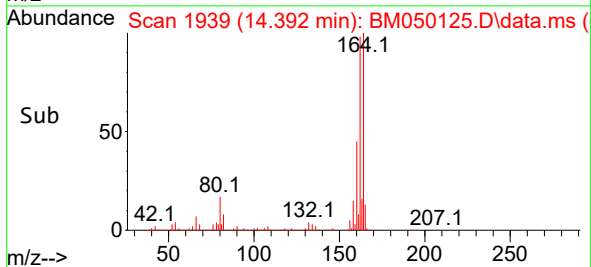
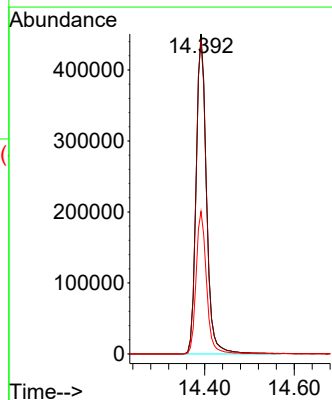
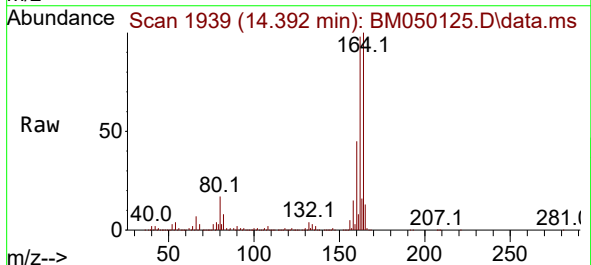
Instrument :
BNA_M
ClientSampleId :
72-11933

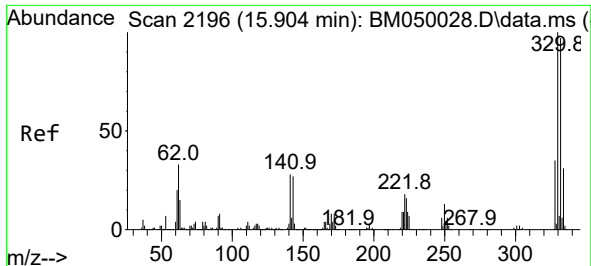
Tgt Ion: 82 Resp: 167746
Ion Ratio Lower Upper
82 100
128 42.0 35.7 53.5
54 45.0 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050125.D
Acq: 06 May 2025 18:36

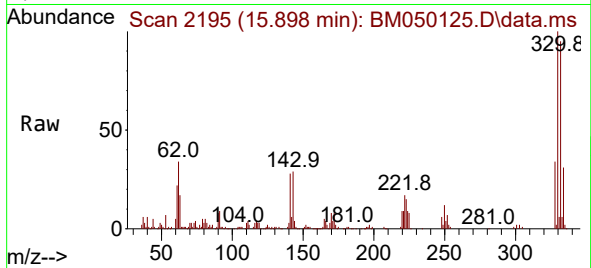
Tgt Ion: 164 Resp: 723505
Ion Ratio Lower Upper
164 100
162 98.0 79.4 119.0
160 44.6 36.2 54.4



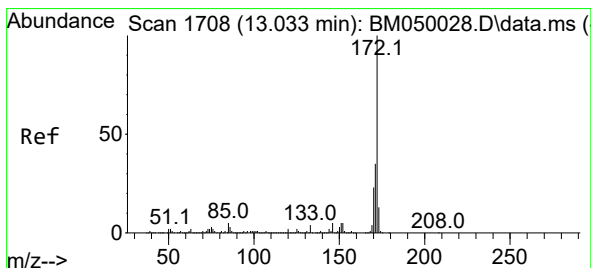
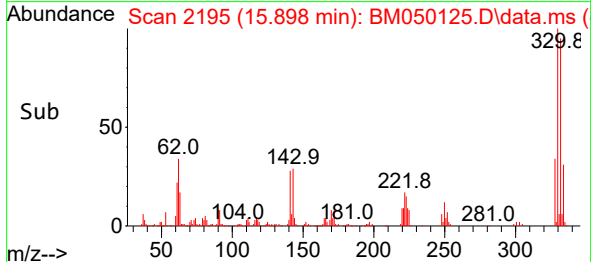
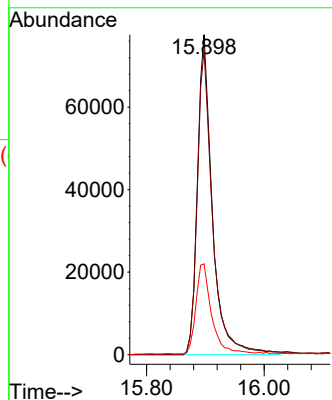


#42
2,4,6-Tribromophenol
Concen: 12.823 ng
RT: 15.898 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM050125.D
Acq: 06 May 2025 18:36

Instrument :
BNA_M
ClientSampleId :
72-11933

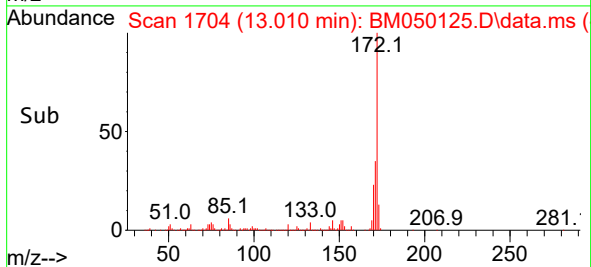
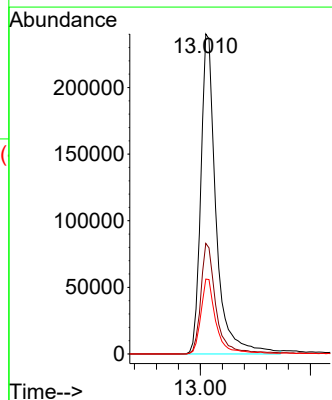
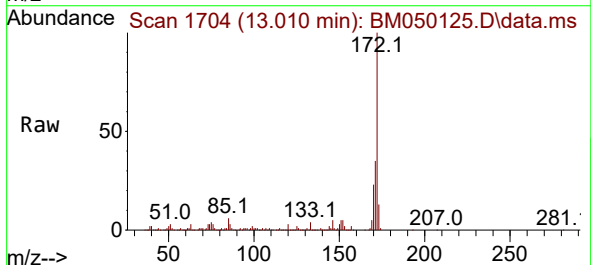


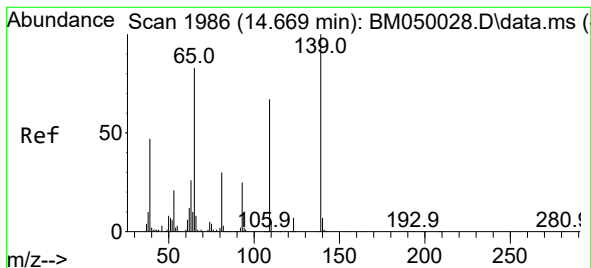
Tgt Ion:330 Resp: 137178
Ion Ratio Lower Upper
330 100
332 97.1 77.3 115.9
141 29.3 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 7.574 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050125.D
Acq: 06 May 2025 18:36

Tgt Ion:172 Resp: 463231
Ion Ratio Lower Upper
172 100
171 34.5 27.8 41.6
170 23.4 18.6 28.0

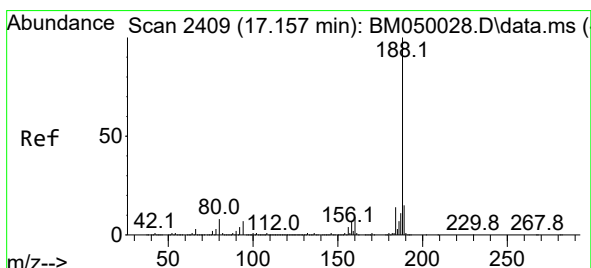
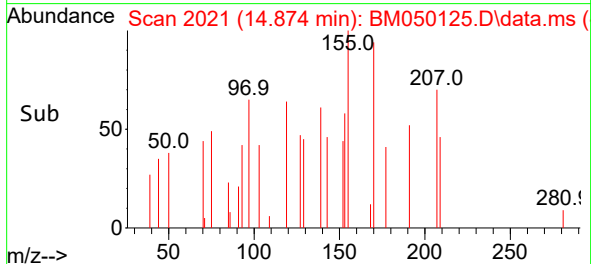
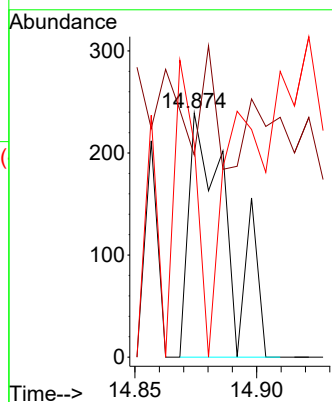
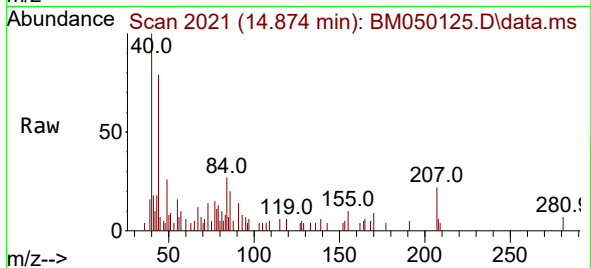




#56
4-Nitrophenol
Concen: 4.563 ng
RT: 14.874 min Scan# 20
Delta R.T. 0.205 min
Lab File: BM050125.D
Acq: 06 May 2025 18:36

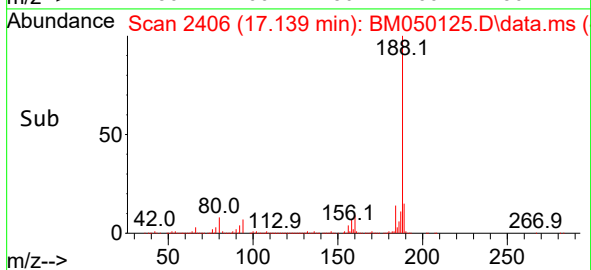
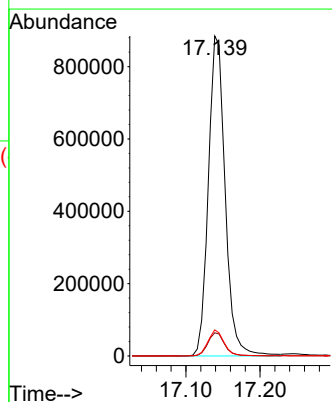
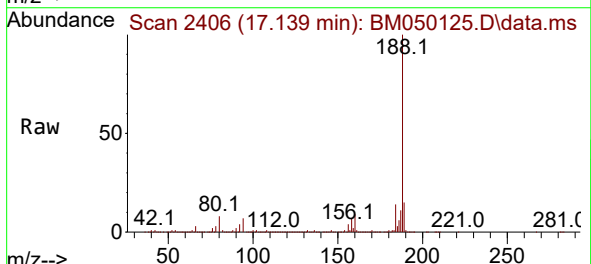
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ClientSampleId :
72-11933

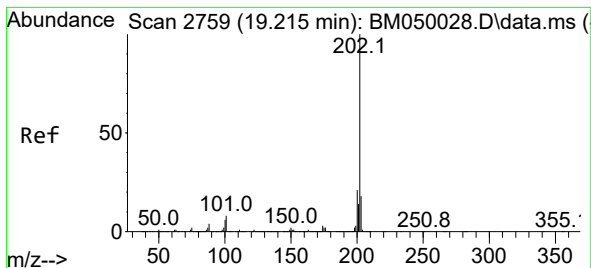
Tgt Ion:139 Resp: 268
Ion Ratio Lower Upper
139 100
109 82.8 47.0 87.0
65 87.4 64.3 104.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050125.D
Acq: 06 May 2025 18:36

Tgt Ion:188 Resp: 1393549
Ion Ratio Lower Upper
188 100
94 7.3 5.7 8.5
80 8.1 6.2 9.4





#75

Fluoranthene

Concen: 2.998 ng

RT: 19.203 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050125.D

Acq: 06 May 2025 18:36

Instrument :

BNA_M

ClientSampleId :

72-11933

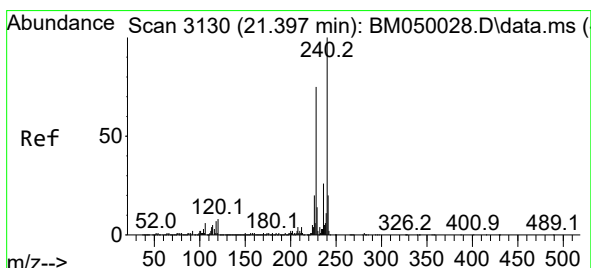
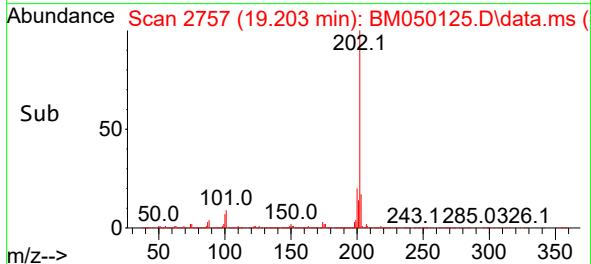
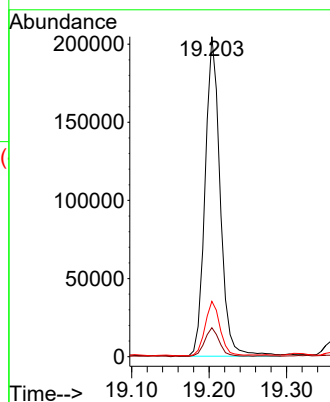
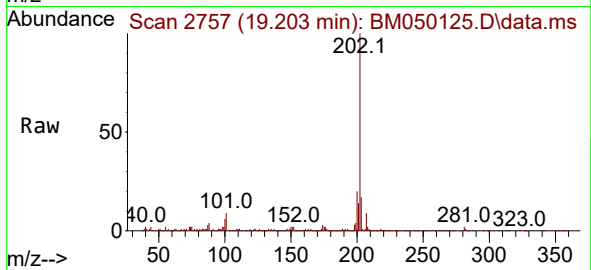
Tgt Ion:202 Resp: 276682

Ion Ratio Lower Upper

202 100

101 9.1 0.0 28.0

203 17.3 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.380 min Scan# 3127

Delta R.T. -0.017 min

Lab File: BM050125.D

Acq: 06 May 2025 18:36

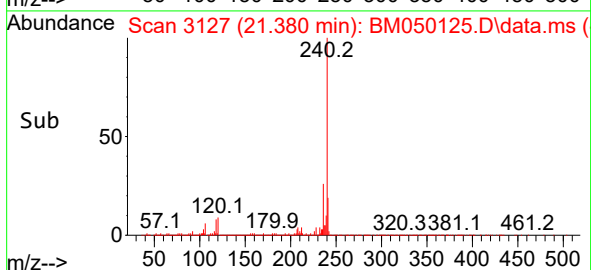
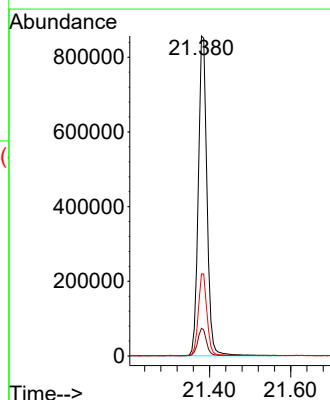
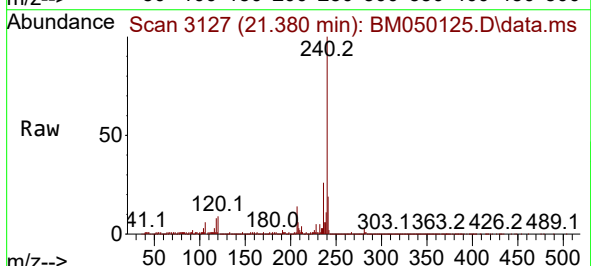
Tgt Ion:240 Resp: 1279367

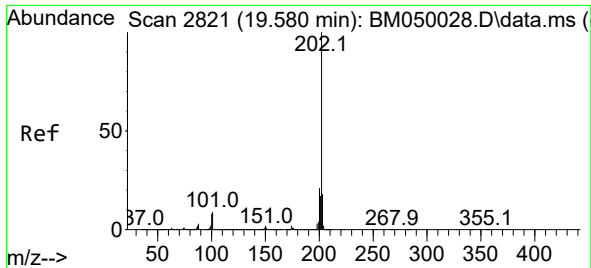
Ion Ratio Lower Upper

240 100

120 8.7 6.5 9.7

236 25.6 20.9 31.3

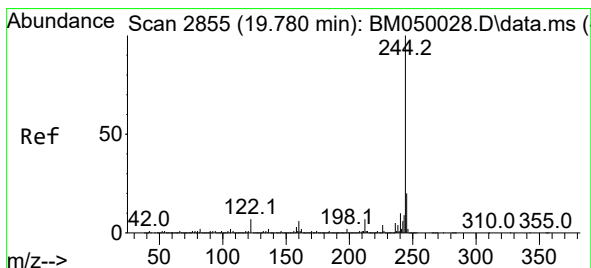
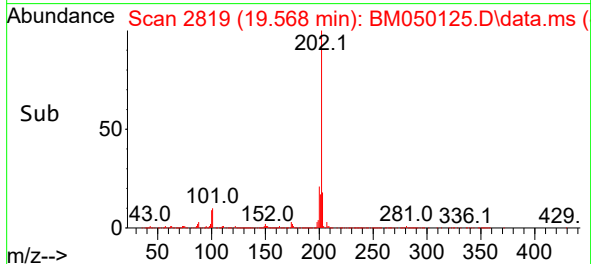
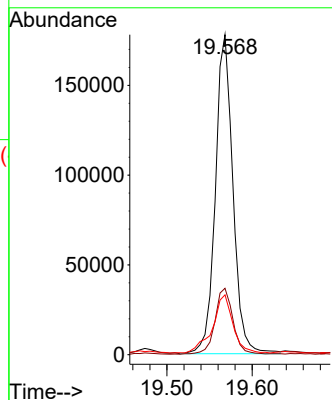
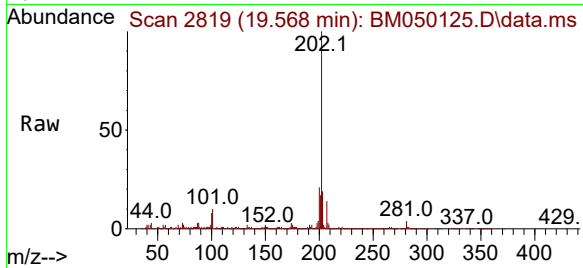




#78
 Pyrene
 Concen: 2.835 ng
 RT: 19.568 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050125.D
 Acq: 06 May 2025 18:36

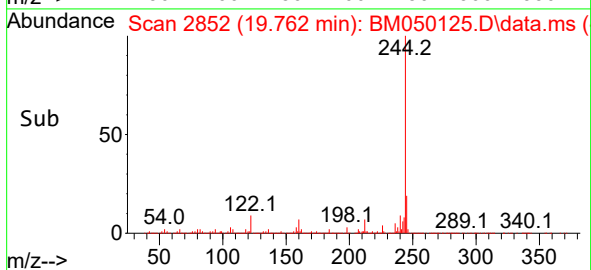
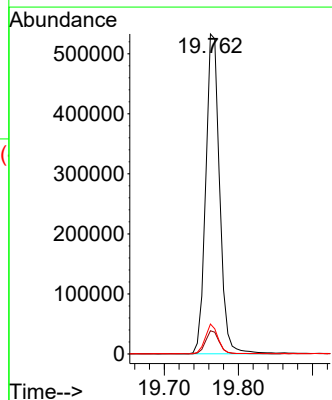
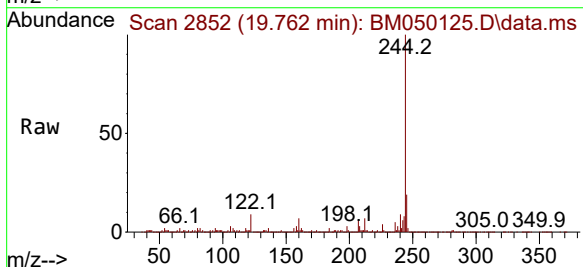
Instrument :
 BNA_M
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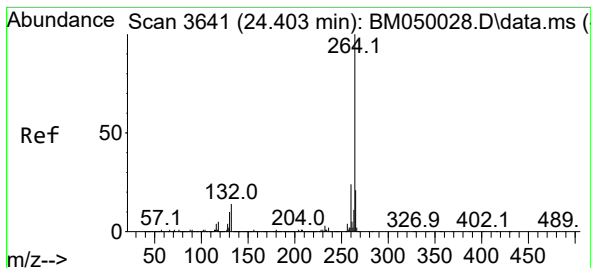
Tgt Ion:202 Resp: 254717
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.7 25.1
 203 18.7 14.1 21.1



#79
 Terphenyl-d14
 Concen: 8.045 ng
 RT: 19.762 min Scan# 2852
 Delta R.T. -0.018 min
 Lab File: BM050125.D
 Acq: 06 May 2025 18:36

Tgt Ion:244 Resp: 695518
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 9.3 5.6 8.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.374 min Scan# 3

Delta R.T. -0.029 min

Lab File: BM050125.D

Acq: 06 May 2025 18:36

Instrument :

BNA_M

ClientSampleId :

72-11933

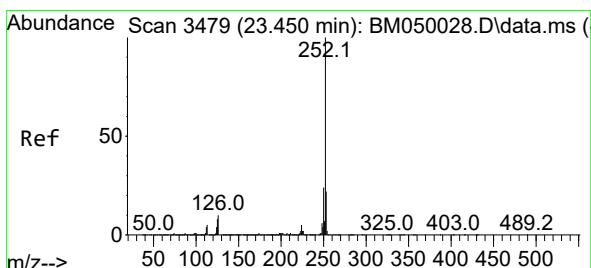
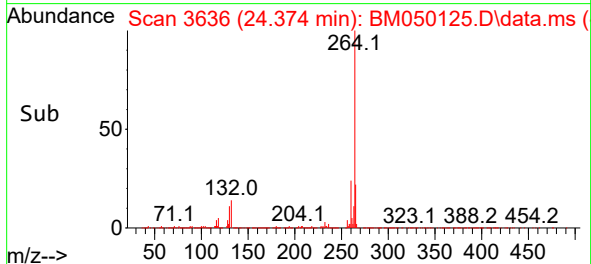
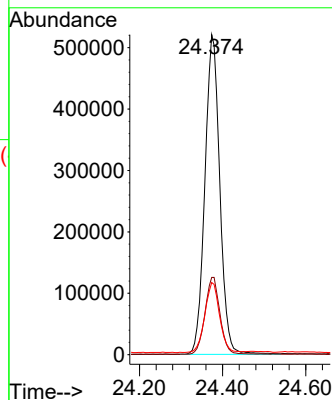
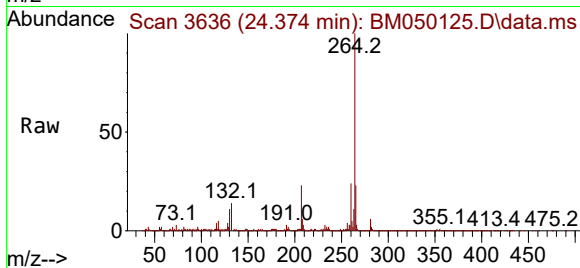
Tgt Ion:264 Resp: 1296751

Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

265 22.6 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 2.598 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.018 min

Lab File: BM050125.D

Acq: 06 May 2025 18:36

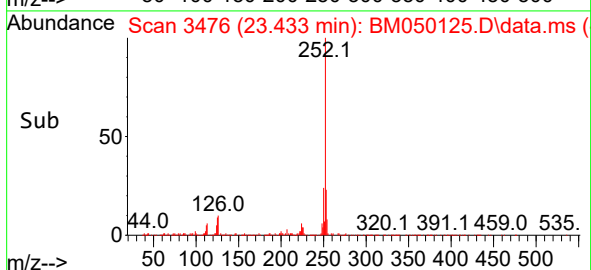
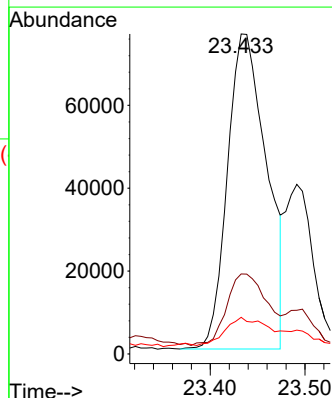
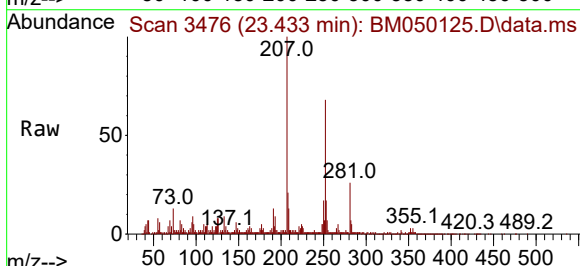
Tgt Ion:252 Resp: 219087

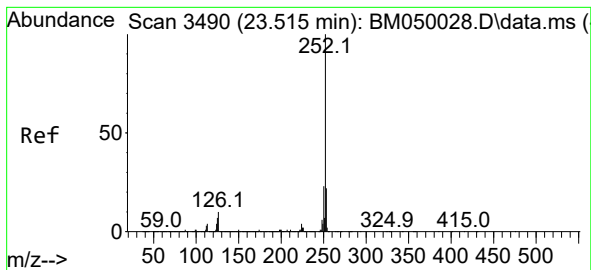
Ion Ratio Lower Upper

252 100

253 25.0 17.7 26.5

125 11.5 6.1 9.1#





#89

Benzo(k)fluoranthene

Concen: 2.568 ng

RT: 23.433 min Scan# 34

Delta R.T. -0.082 min

Lab File: BM050125.D

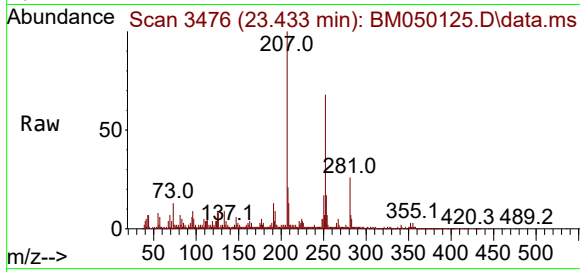
Acq: 06 May 2025 18:36

Instrument :

BNA_M

ClientSampleId :

72-11933



Tgt Ion:252 Resp: 219087

Ion Ratio Lower Upper

252 100

253 25.0 17.4 26.2

125 11.5 5.8 8.8#

