

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
 Data File : BM049958.D
 Acq On : 16 Apr 2025 18:42
 Operator : RC/JU
 Sample : Q1808-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LAW-25-0060

Quant Time: Apr 17 01:45:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

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

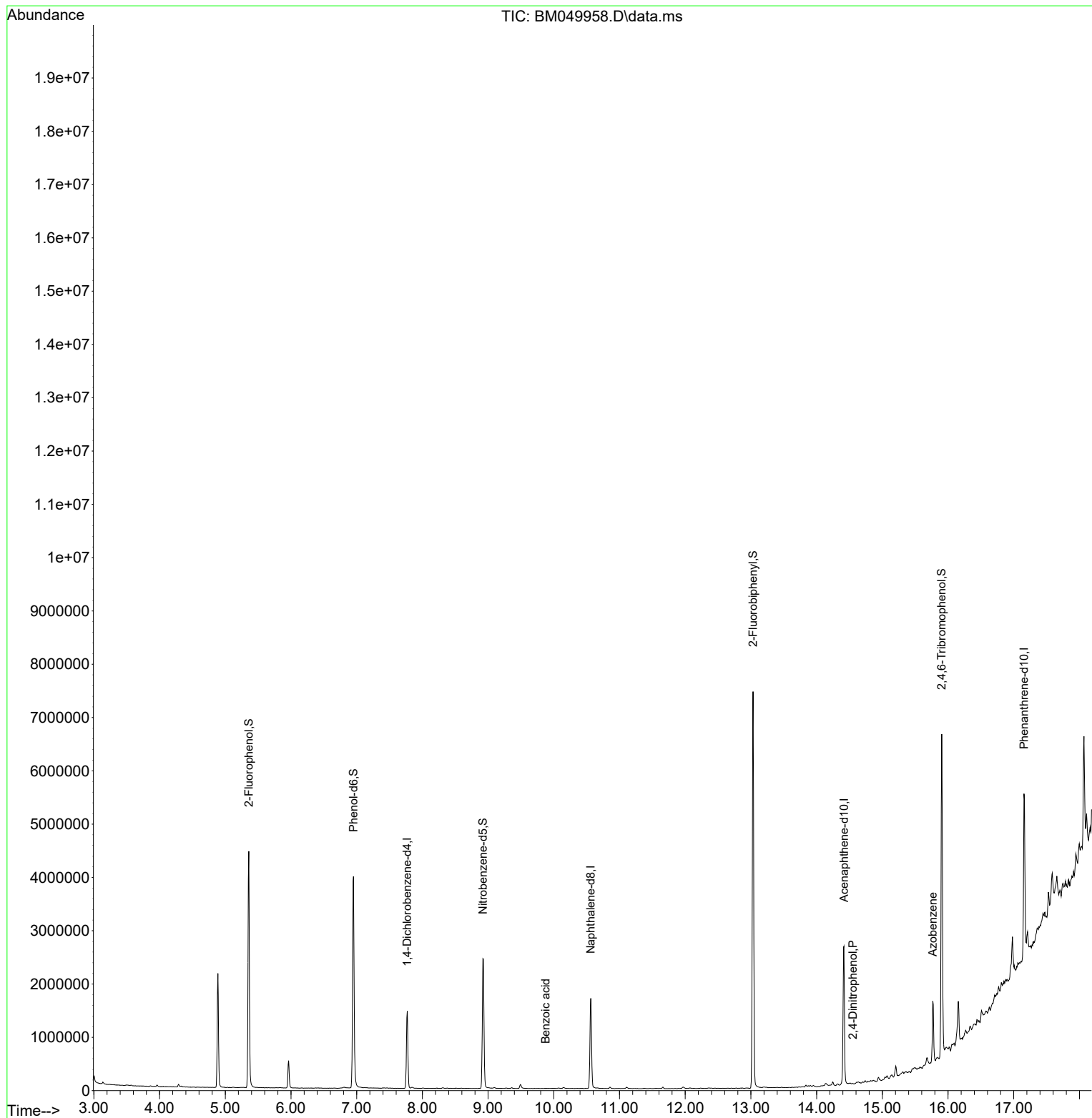
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	427607	20.000	ng	-0.01
21) Naphthalene-d8	10.563	136	1475755	20.000	ng	-0.01
39) Acenaphthene-d10	14.416	164	967607	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1869451	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1684750	20.000	ng	0.00
86) Perylene-d12	24.403	264	1907190	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2004362	79.595	ng	0.00
7) Phenol-d6	6.951	99	2482650	79.240	ng	0.00
23) Nitrobenzene-d5	8.922	82	1513651	57.115	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	1314233	93.379	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	4182483	58.614	ng	-0.01
79) Terphenyl-d14	19.786	244	5658349	62.941	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.875	122	424	8.557	ng	# 15
54) 2,4-Dinitrophenol	14.551	184	79	7.232	ng	# 1
63) Azobenzene	15.768	77	311604	5.560	ng	# 1
75) Fluoranthene	19.221	202	343380	2.725	ng	# 88
78) Pyrene	19.586	202	312823	2.694	ng	# 88
84) Bis(2-ethylhexyl)phtha...	21.303	149	168262	2.647	ng	# 94
88) Benzo(b)fluoranthene	23.456	252	265295	2.178	ng	# 92
89) Benzo(k)fluoranthene	23.456	252	265295	2.248	ng	# 92

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

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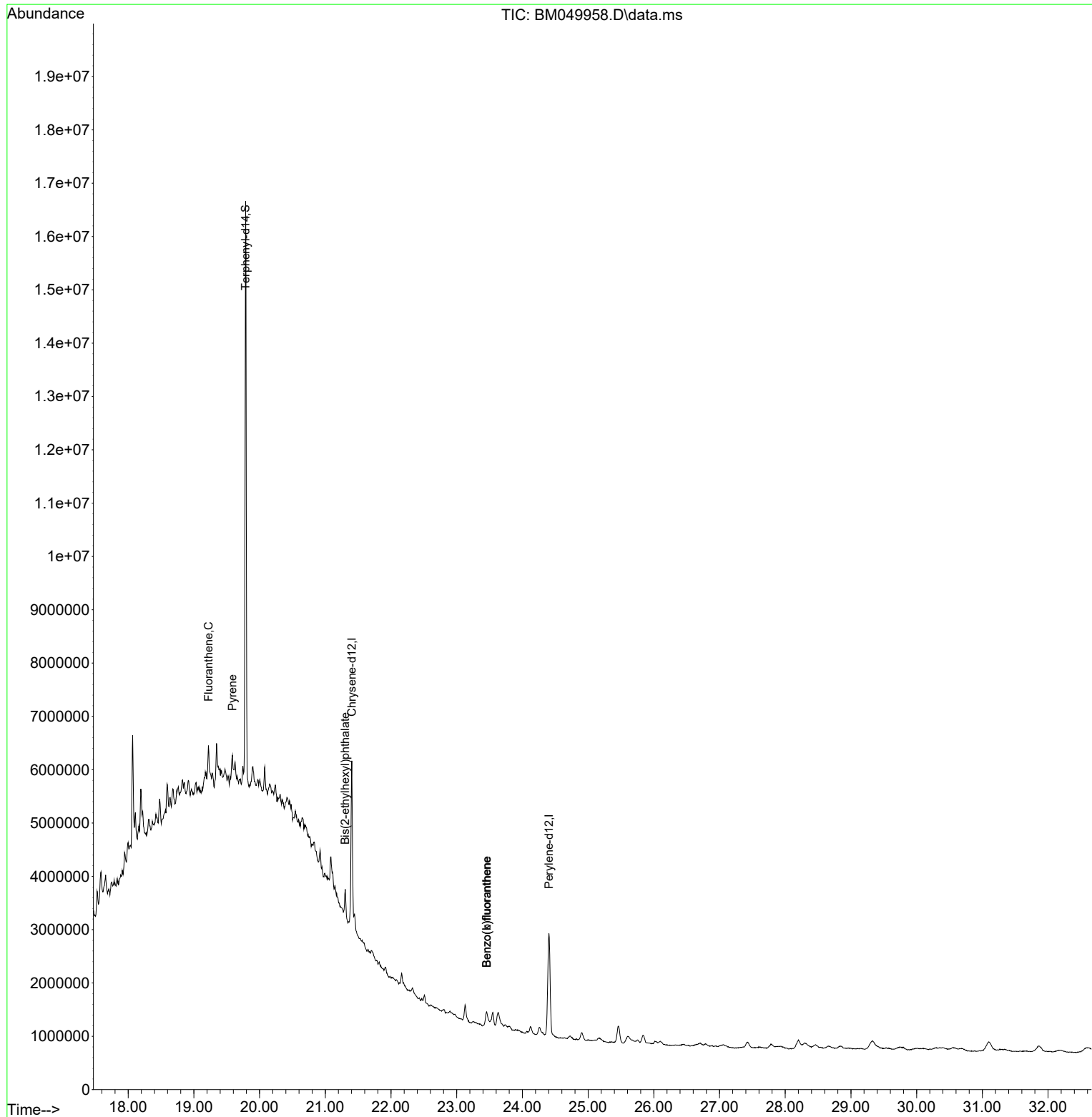
Quant Time: Apr 17 01:45:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

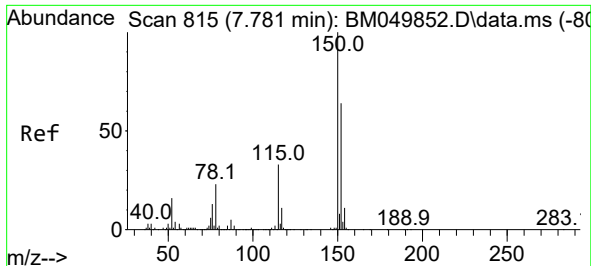


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049958.D
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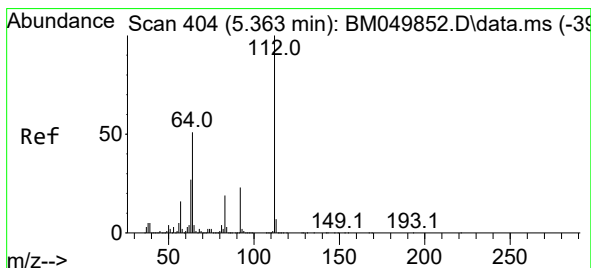
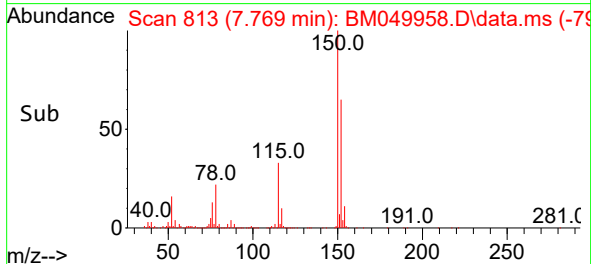
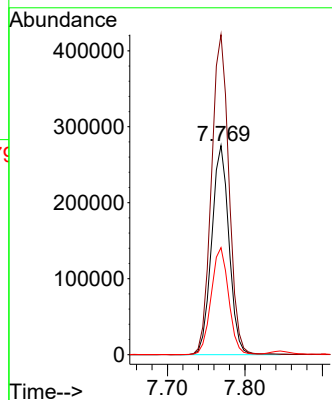
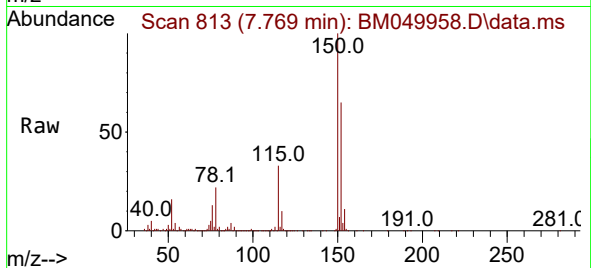




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049958.D
Acq: 16 Apr 2025 18:42

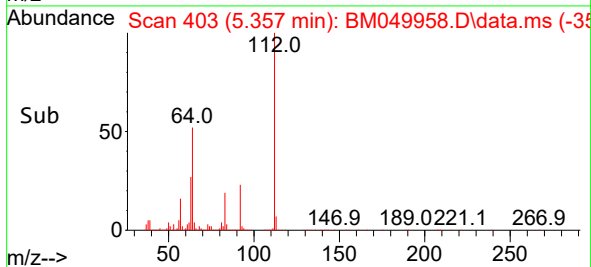
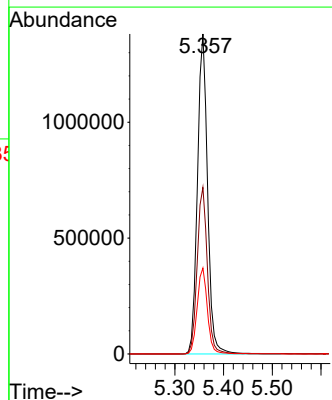
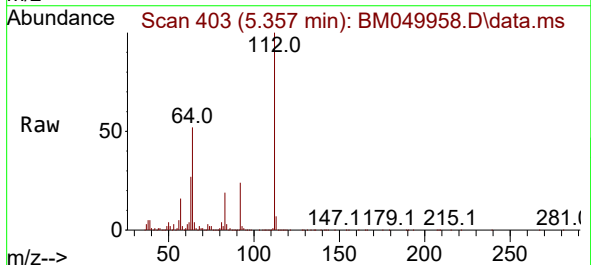
Instrument :
BNA_M
ClientSampleId :
LAW-25-0060

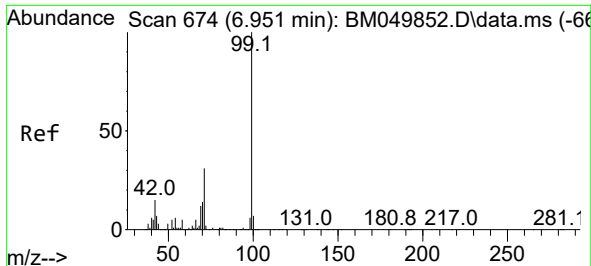
Tgt Ion:152 Resp: 427607
Ion Ratio Lower Upper
152 100
150 153.0 124.3 186.5
115 51.2 41.1 61.7



#5
2-Fluorophenol
Concen: 79.595 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049958.D
Acq: 16 Apr 2025 18:42

Tgt Ion:112 Resp: 2004362
Ion Ratio Lower Upper
112 100
64 52.0 41.0 61.6
63 26.9 21.5 32.3

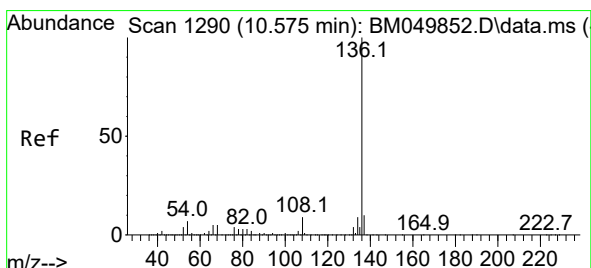
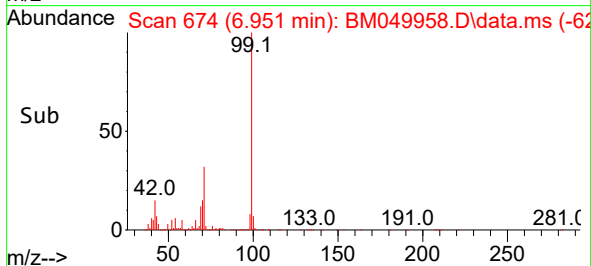
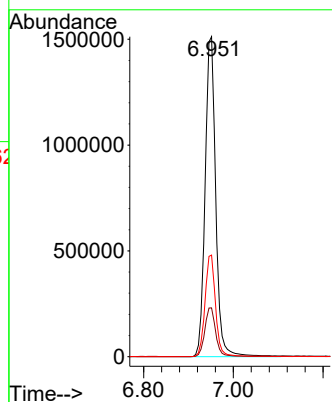
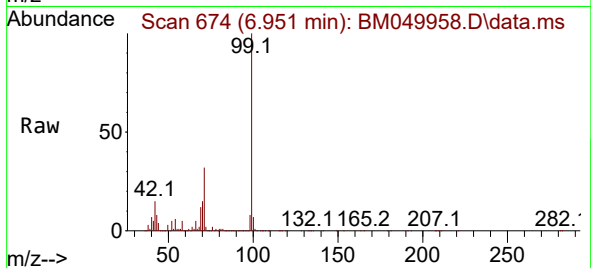




#7
Phenol-d6
Concen: 79.240 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049958.D
Acq: 16 Apr 2025 18:42

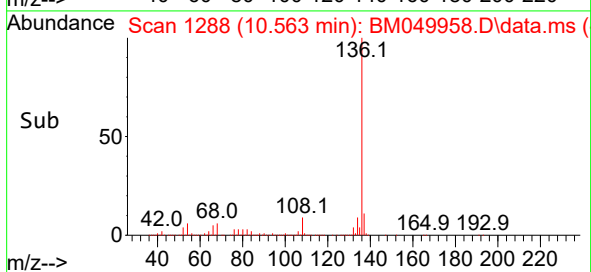
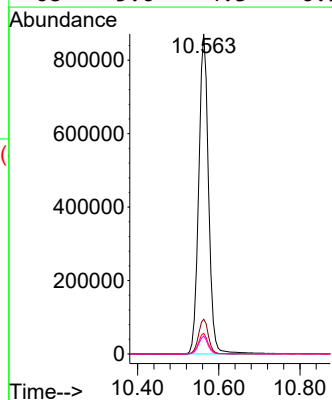
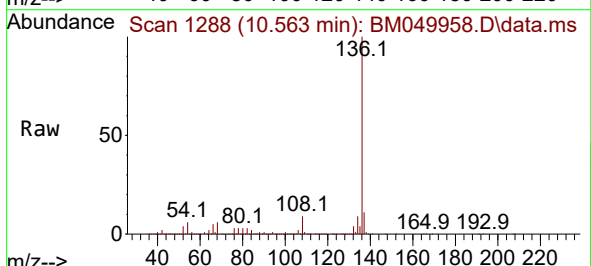
Instrument :
BNA_M
ClientSampleId :
LAW-25-0060

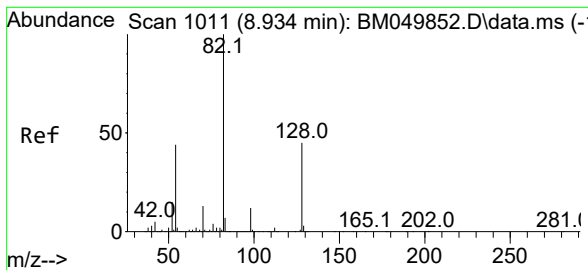
Tgt Ion: 99 Resp: 2482650
Ion Ratio Lower Upper
99 100
42 15.2 12.1 18.1
71 31.8 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BM049958.D
Acq: 16 Apr 2025 18:42

Tgt Ion:136 Resp: 1475755
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 6.5 5.3 7.9
68 5.6 4.3 6.5

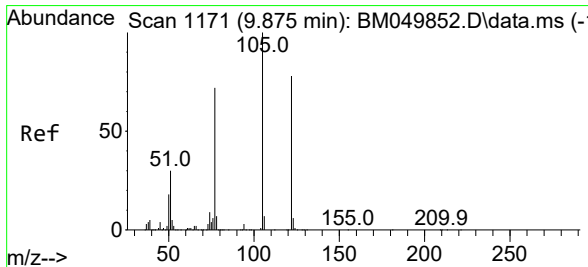
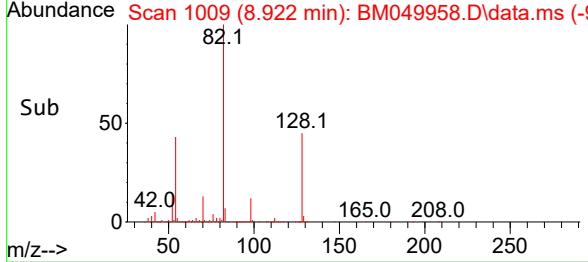
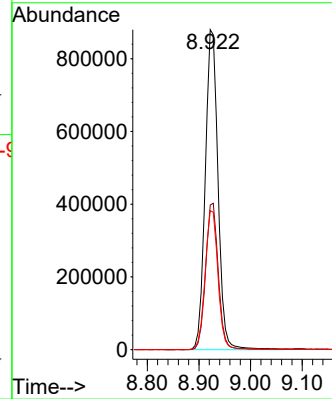
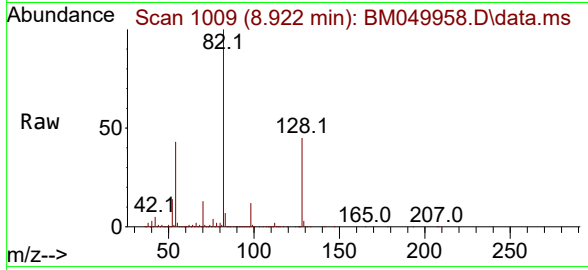




#23
 Nitrobenzene-d5
 Concen: 57.115 ng
 RT: 8.922 min Scan# 1009
 Delta R.T. -0.012 min
 Lab File: BM049958.D
 Acq: 16 Apr 2025 18:42

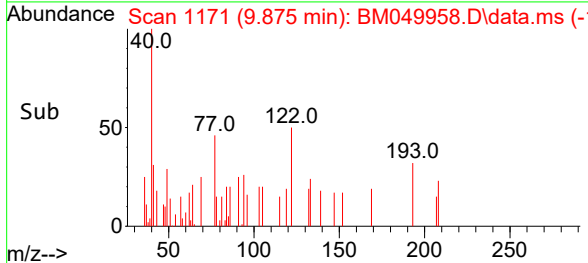
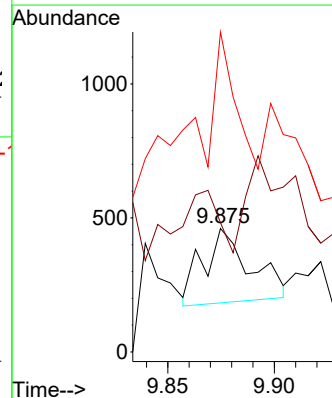
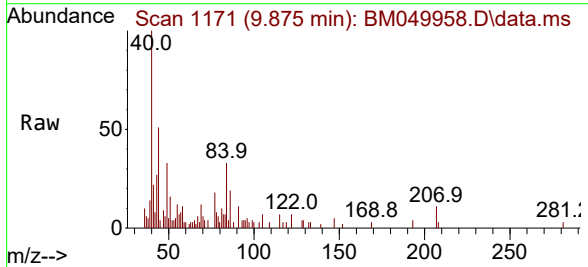
Instrument :
 BNA_M
 ClientSampleId :
 LAW-25-0060

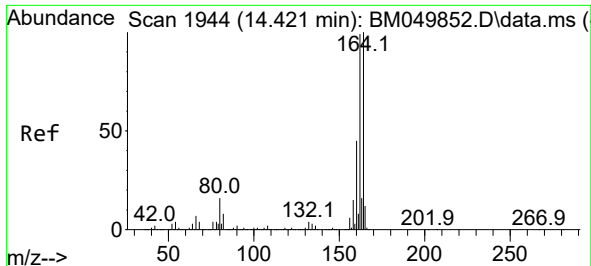
Tgt Ion: 82 Resp: 1513651
 Ion Ratio Lower Upper
 82 100
 128 45.2 36.2 54.2
 54 43.5 35.0 52.6



#32
 Benzoic acid
 Concen: 8.557 ng
 RT: 9.875 min Scan# 1171
 Delta R.T. -0.000 min
 Lab File: BM049958.D
 Acq: 16 Apr 2025 18:42

Tgt Ion:122 Resp: 424
 Ion Ratio Lower Upper
 122 100
 105 104.6 103.8 143.8
 77 259.0 70.7 110.7#

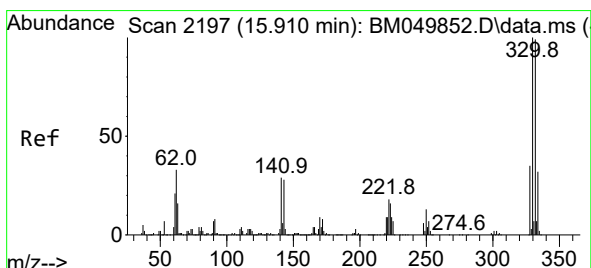
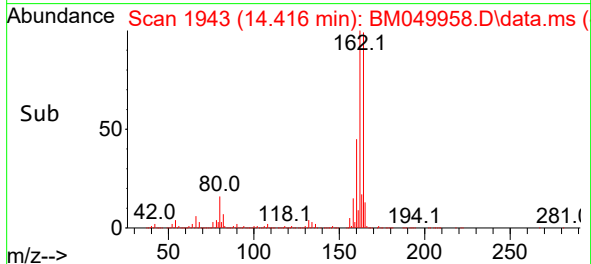
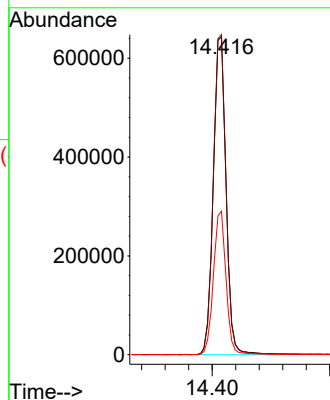
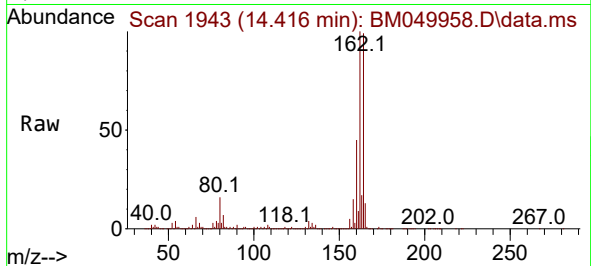




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.416 min Scan# 1944
 Delta R.T. -0.006 min
 Lab File: BM049958.D
 Acq: 16 Apr 2025 18:42

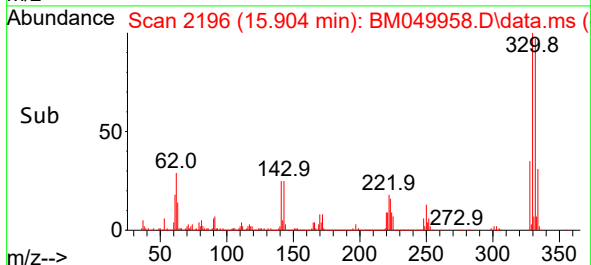
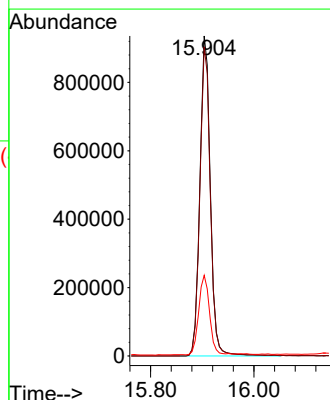
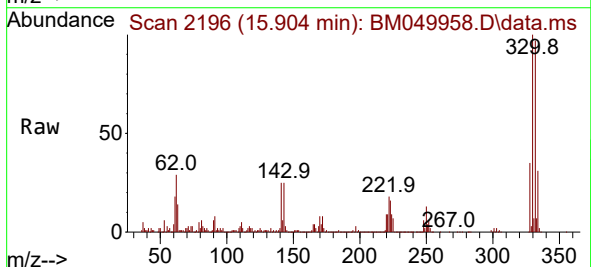
Instrument :
 BNA_M
 ClientSampleId :
 LAW-25-0060

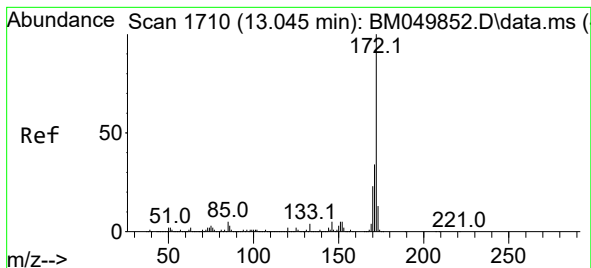
Tgt Ion:164 Resp: 967607
 Ion Ratio Lower Upper
 164 100
 162 100.7 79.4 119.0
 160 45.2 36.2 54.2



#42
 2,4,6-Tribromophenol
 Concen: 93.379 ng
 RT: 15.904 min Scan# 2196
 Delta R.T. -0.006 min
 Lab File: BM049958.D
 Acq: 16 Apr 2025 18:42

Tgt Ion:330 Resp: 1314233
 Ion Ratio Lower Upper
 330 100
 332 96.9 78.0 117.0
 141 25.7 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 58.614 ng

RT: 13.033 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM049958.D

Acq: 16 Apr 2025 18:42

Instrument :

BNA_M

ClientSampleId :

LAW-25-0060

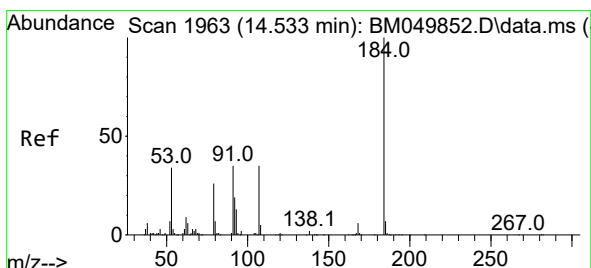
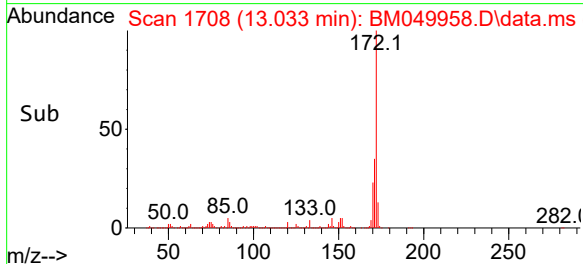
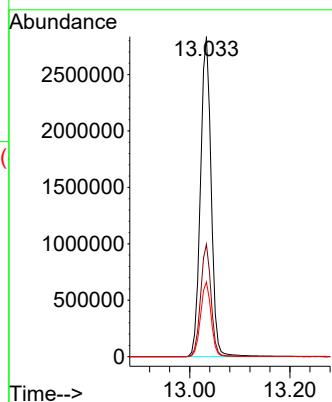
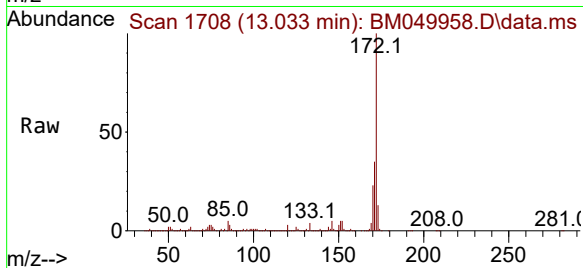
Tgt Ion:172 Resp: 4182483

Ion Ratio Lower Upper

172 100

171 35.1 27.4 41.2

170 23.3 18.6 28.0



#54

2,4-Dinitrophenol

Concen: 7.232 ng

RT: 14.551 min Scan# 1966

Delta R.T. 0.018 min

Lab File: BM049958.D

Acq: 16 Apr 2025 18:42

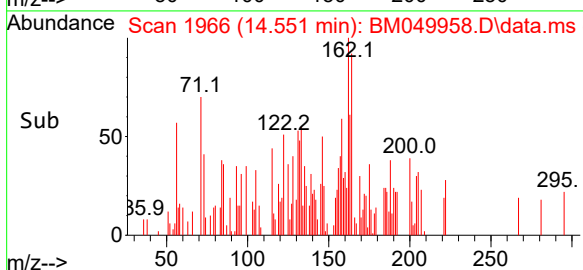
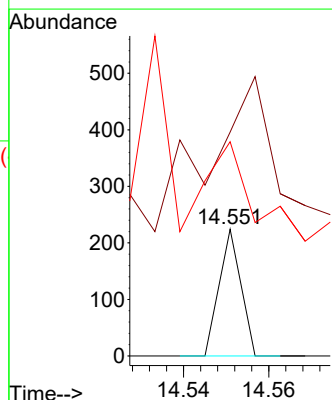
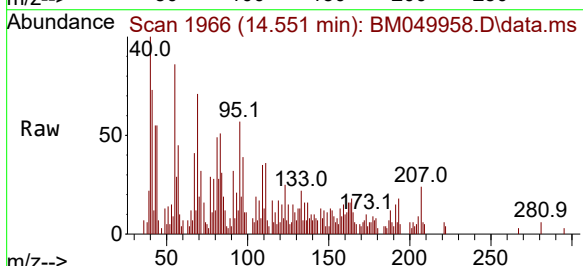
Tgt Ion:184 Resp: 79

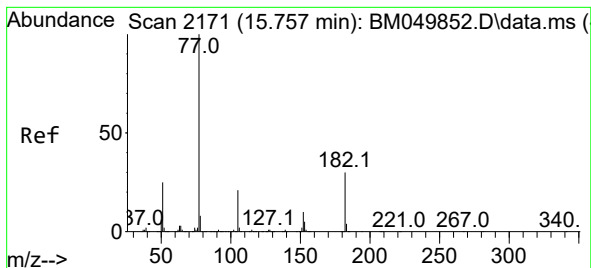
Ion Ratio Lower Upper

184 100

63 176.8 38.4 57.6#

154 169.2 48.1 72.1#





#63

Azobenzene

Concen: 5.560 ng

RT: 15.768 min Scan# 21

Delta R.T. 0.012 min

Lab File: BM049958.D

Acq: 16 Apr 2025 18:42

Instrument :

BNA_M

ClientSampleId :

LAW-25-0060

Tgt Ion: 77 Resp: 311604

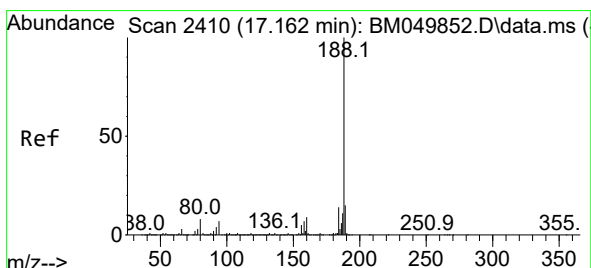
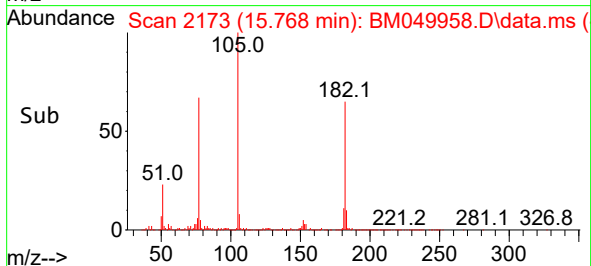
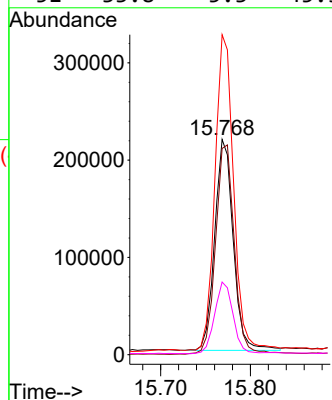
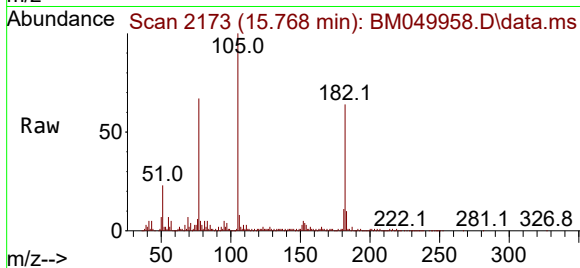
Ion Ratio Lower Upper

77 100

182 95.8 10.4 50.4#

105 148.7 1.5 41.5#

51 33.8 5.3 45.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BM049958.D

Acq: 16 Apr 2025 18:42

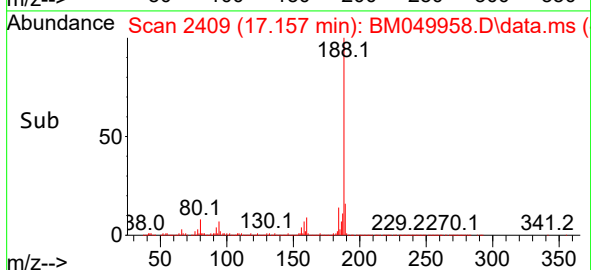
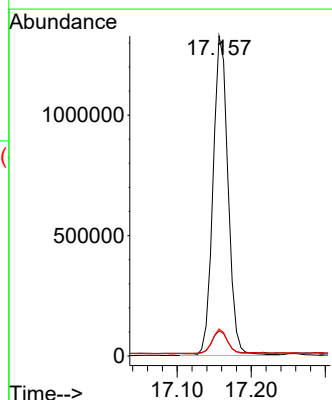
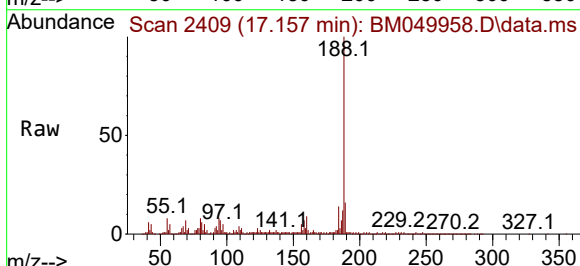
Tgt Ion:188 Resp: 1869451

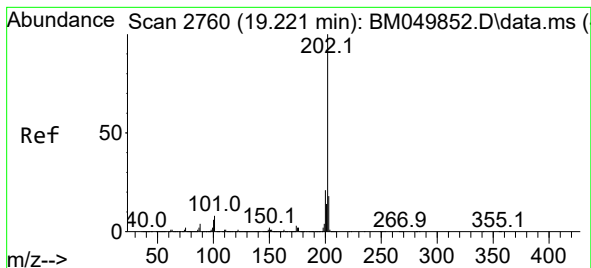
Ion Ratio Lower Upper

188 100

94 7.8 5.8 8.6

80 8.4 6.4 9.6





#75

Fluoranthene

Concen: 2.725 ng

RT: 19.221 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM049958.D

Acq: 16 Apr 2025 18:42

Instrument :

BNA_M

ClientSampleId :

LAW-25-0060

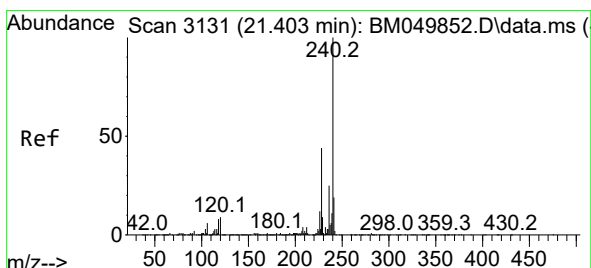
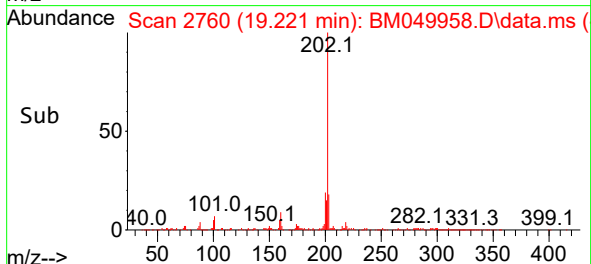
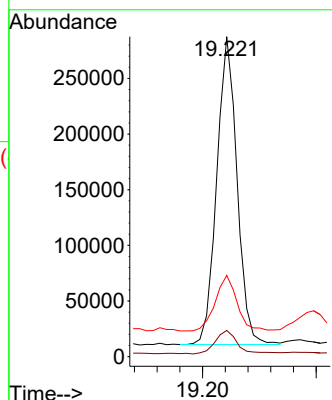
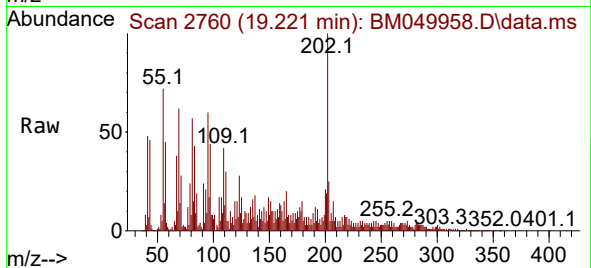
Tgt Ion:202 Resp: 343380

Ion Ratio Lower Upper

202 100

101 8.2 0.0 28.4

203 25.4 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.403 min Scan# 3131

Delta R.T. 0.000 min

Lab File: BM049958.D

Acq: 16 Apr 2025 18:42

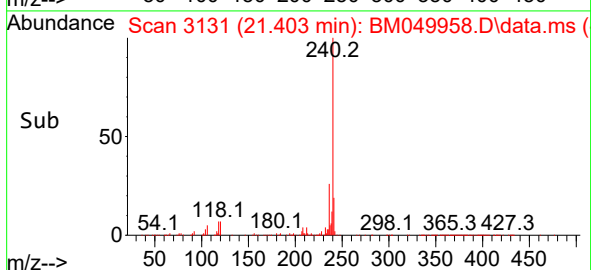
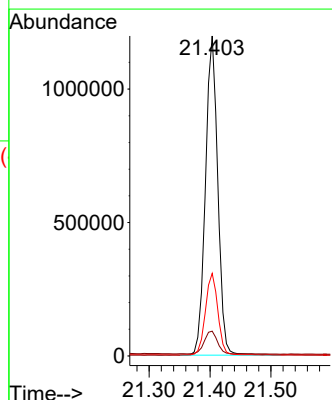
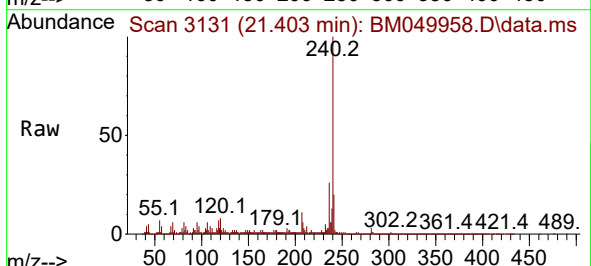
Tgt Ion:240 Resp: 1684750

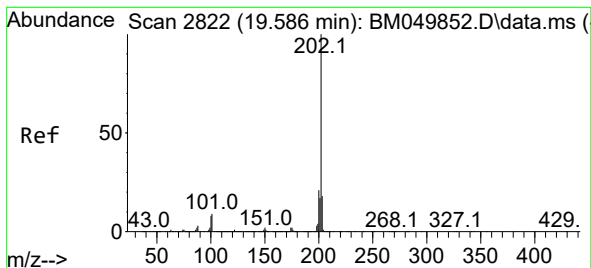
Ion Ratio Lower Upper

240 100

120 7.7 6.9 10.3

236 25.8 20.4 30.6





#78

Pyrene

Concen: 2.694 ng

RT: 19.586 min Scan# 2

Delta R.T. 0.000 min

Lab File: BM049958.D

Acq: 16 Apr 2025 18:42

Instrument :

BNA_M

ClientSampleId :

LAW-25-0060

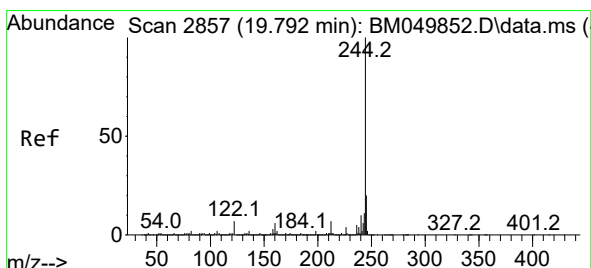
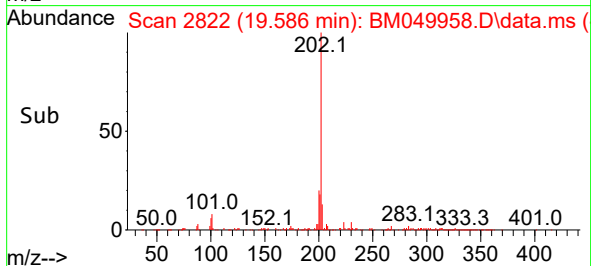
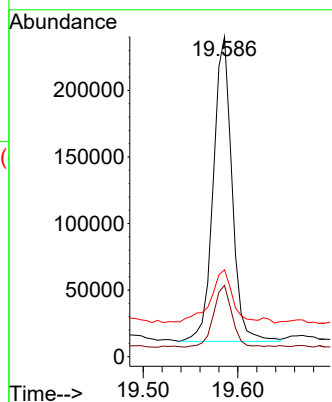
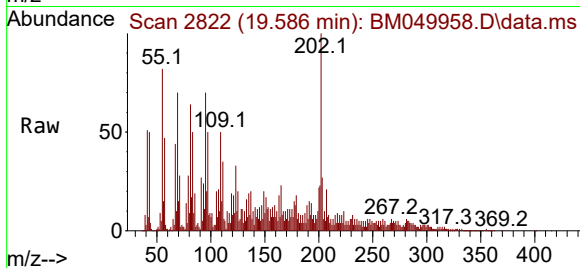
Tgt Ion:202 Resp: 312823

Ion Ratio Lower Upper

202 100

200 22.3 16.5 24.7

203 27.1 14.0 21.0#



#79

Terphenyl-d14

Concen: 62.941 ng

RT: 19.786 min Scan# 2856

Delta R.T. -0.006 min

Lab File: BM049958.D

Acq: 16 Apr 2025 18:42

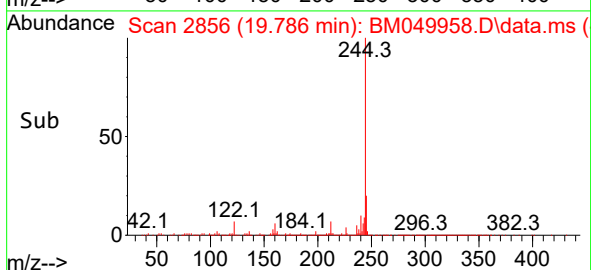
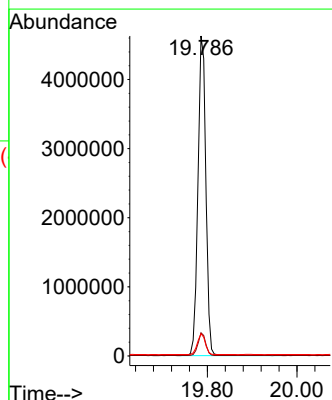
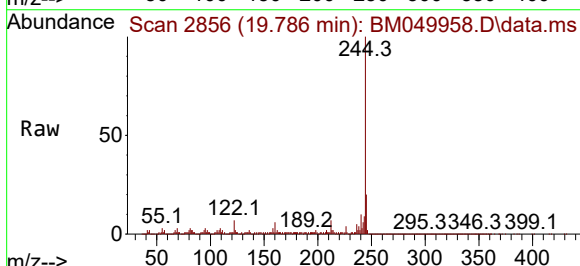
Tgt Ion:244 Resp: 5658349

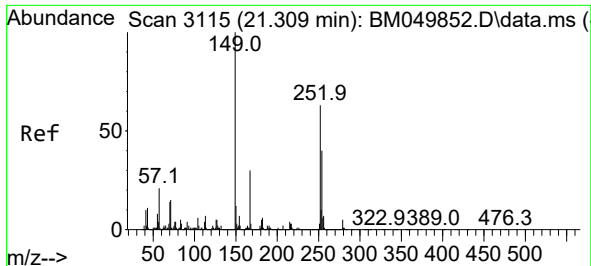
Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

122 7.0 5.4 8.0

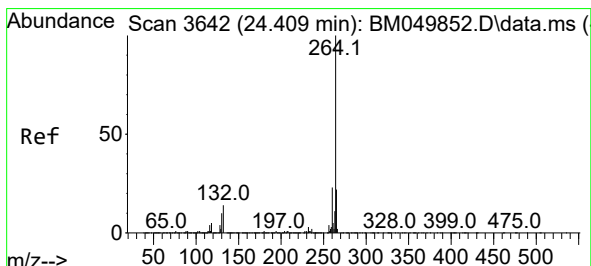
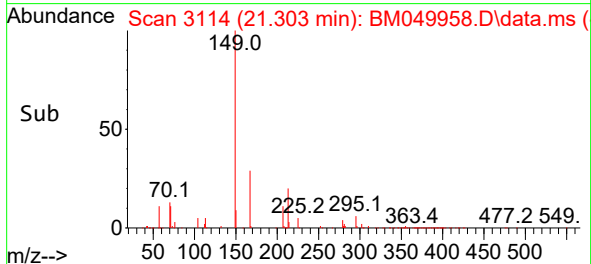
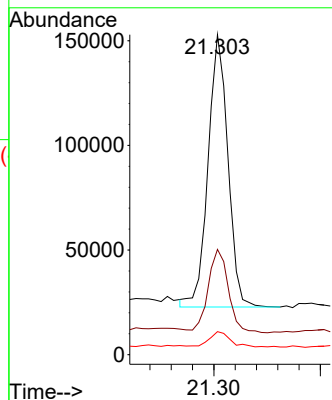
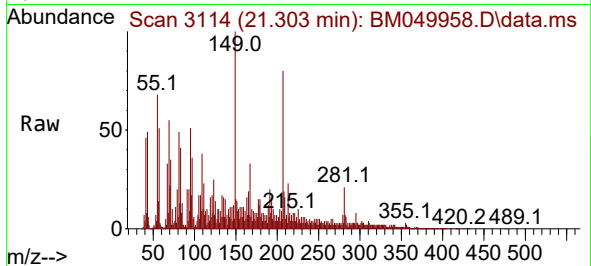




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.647 ng
RT: 21.303 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BM049958.D
Acq: 16 Apr 2025 18:42

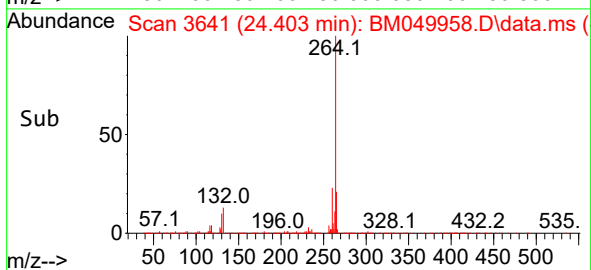
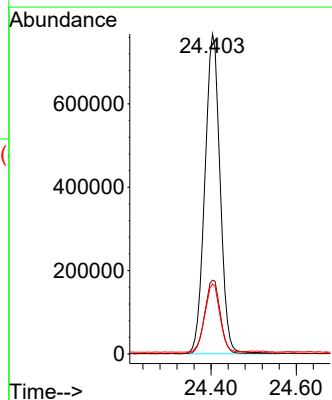
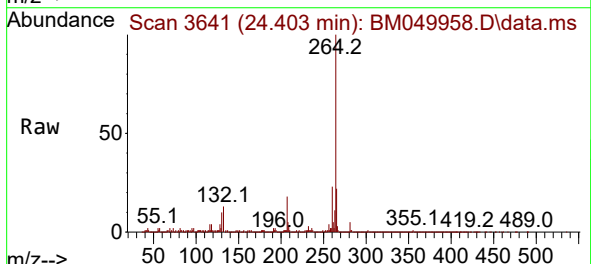
Instrument :
BNA_M
ClientSampleId :
LAW-25-0060

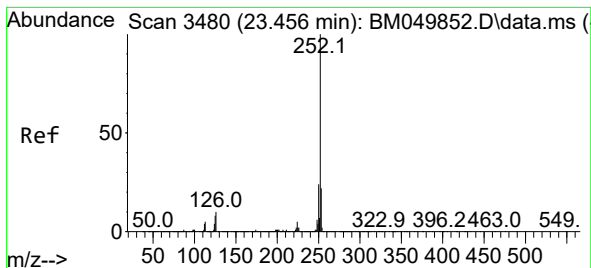
Tgt Ion:149 Resp: 168262
Ion Ratio Lower Upper
149 100
167 32.9 23.8 35.6
279 7.2 3.8 5.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.006 min
Lab File: BM049958.D
Acq: 16 Apr 2025 18:42

Tgt Ion:264 Resp: 1907190
Ion Ratio Lower Upper
264 100
260 23.1 18.6 28.0
265 21.9 17.8 26.8





#88

Benzo(b)fluoranthene

Concen: 2.178 ng

RT: 23.456 min Scan# 3480

Delta R.T. 0.000 min

Lab File: BM049958.D

Acq: 16 Apr 2025 18:42

Instrument :

BNA_M

ClientSampleId :

LAW-25-0060

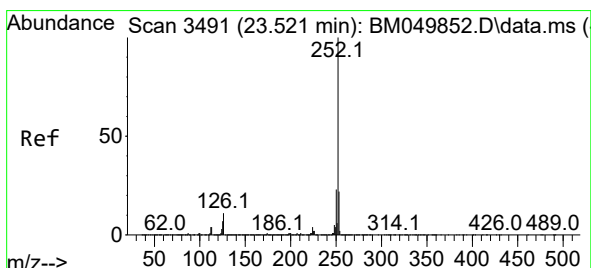
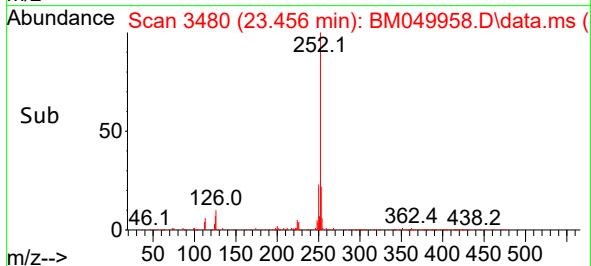
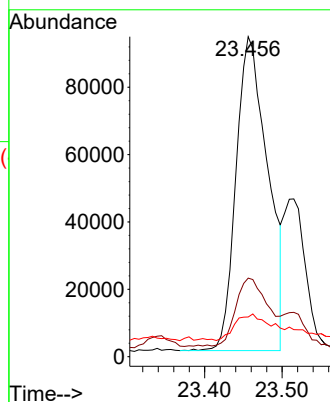
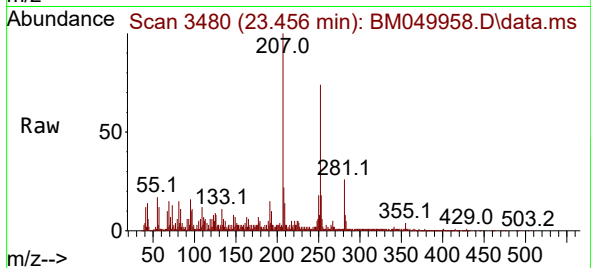
Tgt Ion:252 Resp: 265295

Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

125 12.4 6.2 9.4#



#89

Benzo(k)fluoranthene

Concen: 2.248 ng

RT: 23.456 min Scan# 3480

Delta R.T. -0.065 min

Lab File: BM049958.D

Acq: 16 Apr 2025 18:42

Tgt Ion:252 Resp: 265295

Ion Ratio Lower Upper

252 100

253 24.6 17.4 26.2

125 12.4 5.8 8.8#

