

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
 Data File : BM050022.D
 Acq On : 23 Apr 2025 20:29
 Operator : RC/JU
 Sample : Q1854-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 NB-08-04222025

Quant Time: Apr 24 02:02:17 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)

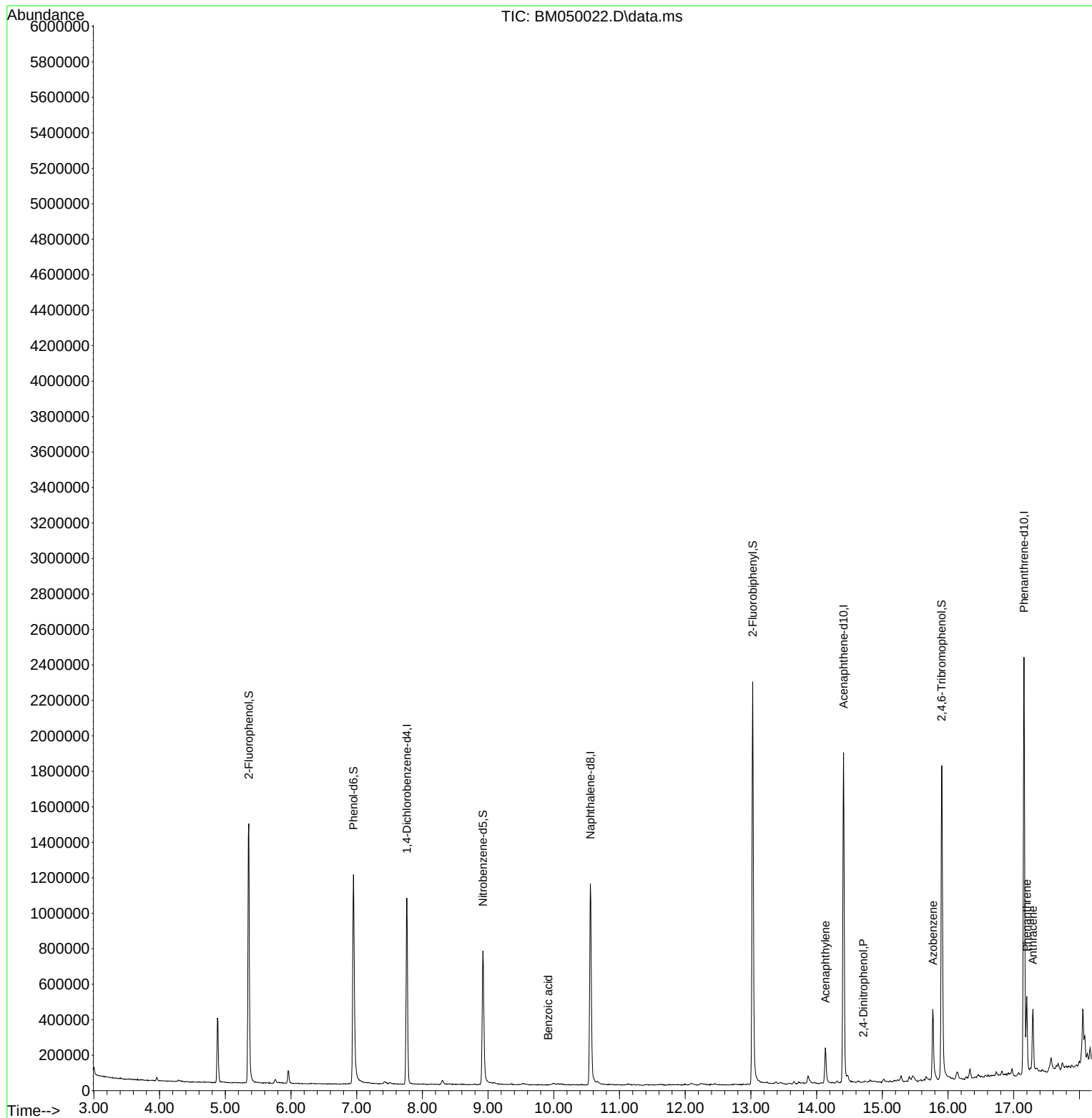
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	312005	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	1072537	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	720799	20.000	ng	-0.01
64) Phenanthrene-d10	17.156	188	1476781	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1439998	20.000	ng	0.00
86) Perylene-d12	24.397	264	1451662	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	710527	38.670	ng	0.00
7) Phenol-d6	6.951	99	850841	37.219	ng	0.00
23) Nitrobenzene-d5	8.922	82	518896	26.941	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	413989	39.487	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	1360344	25.592	ng	-0.02
79) Terphenyl-d14	19.780	244	2145105	27.917	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.916	122	144	8.547	ng	# 1
49) Acenaphthylene	14.133	152	181644	2.961	ng	99
54) 2,4-Dinitrophenol	14.710	184	65	7.232	ng	# 1
63) Azobenzene	15.768	77	119178	2.855	ng	# 1
71) Phenanthrene	17.198	178	255745	3.159	ng	100
72) Anthracene	17.292	178	265025	3.322	ng	98
75) Fluoranthene	19.215	202	1125794	11.309	ng	100
78) Pyrene	19.580	202	1262744	12.724	ng	99
81) Benzo(a)anthracene	21.374	228	895218	9.354	ng	98
83) Chrysene	21.439	228	861696	9.471	ng	98
87) Indeno(1,2,3-cd)pyrene	27.785	276	930380	8.598	ng	96
88) Benzo(b)fluoranthene	23.450	252	1684402	18.168	ng	98
89) Benzo(k)fluoranthene	23.450	252	1684402	18.748	ng	# 98
90) Benzo(a)pyrene	24.256	252	1181056	14.497	ng	99
91) Dibenzo(a,h)anthracene	27.826	278	229978	2.580	ng	# 94
92) Benzo(g,h,i)perylene	28.844	276	975343	10.709	ng	99

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

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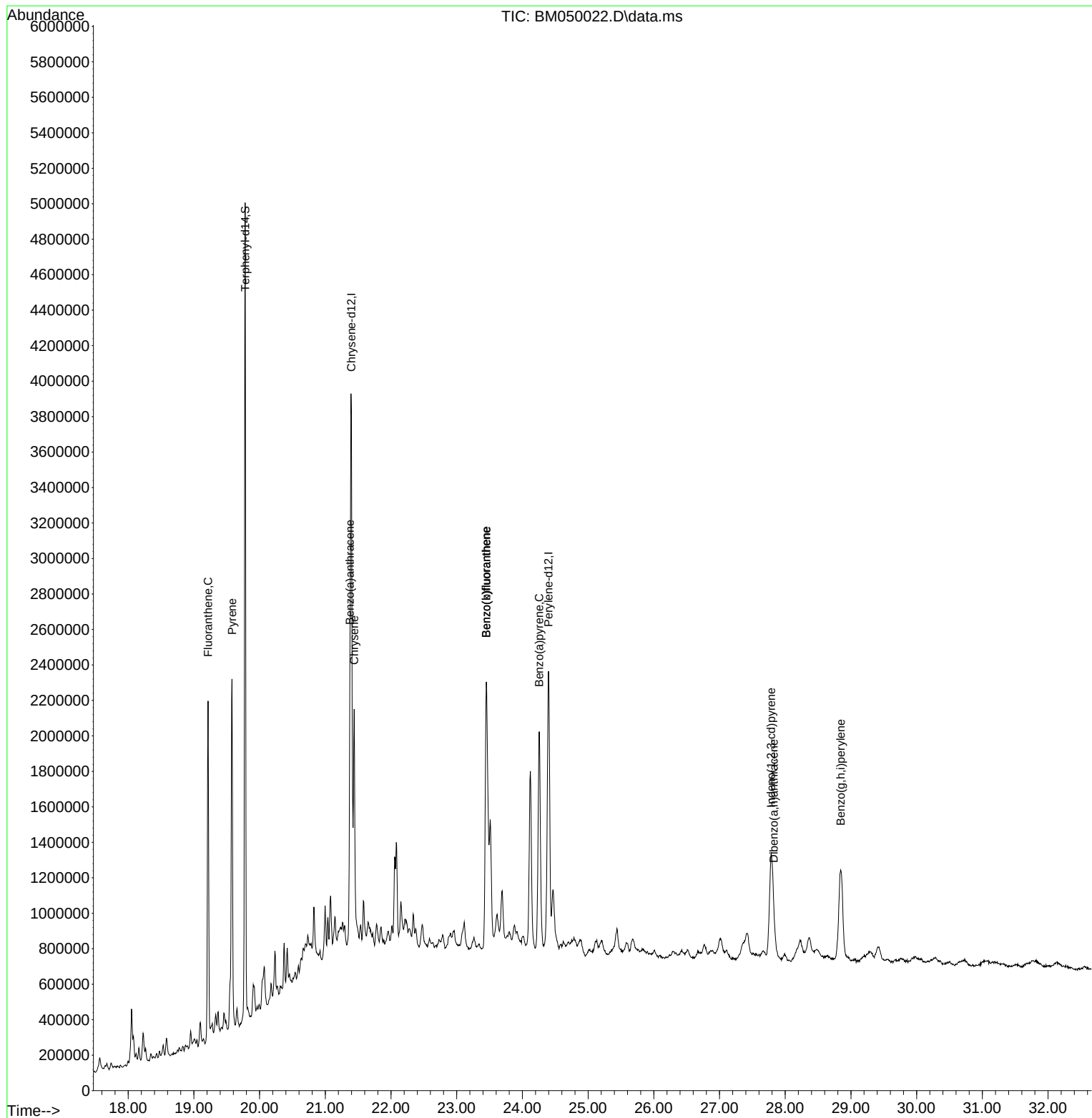
Quant Time: Apr 24 02:02:17 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
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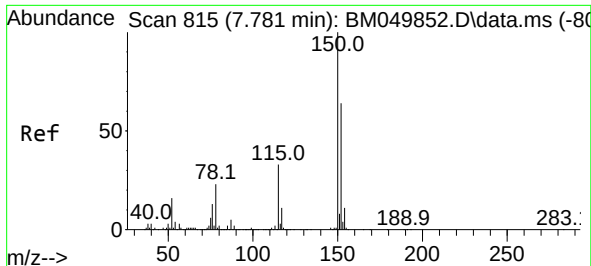


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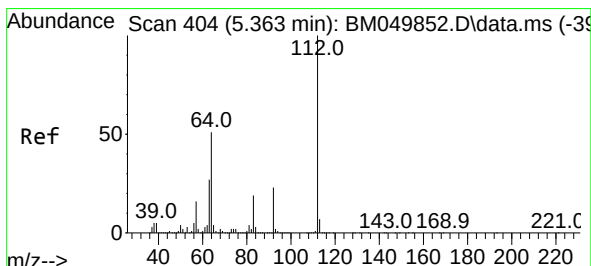
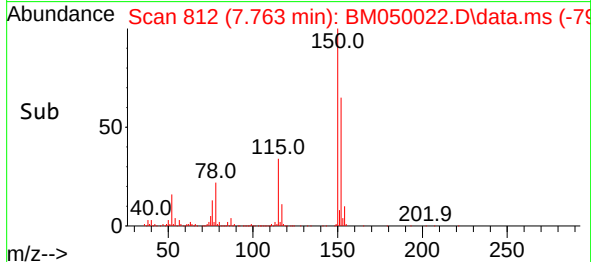
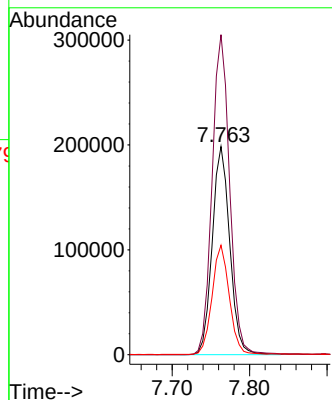
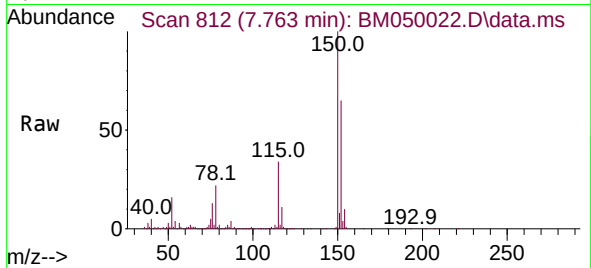




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

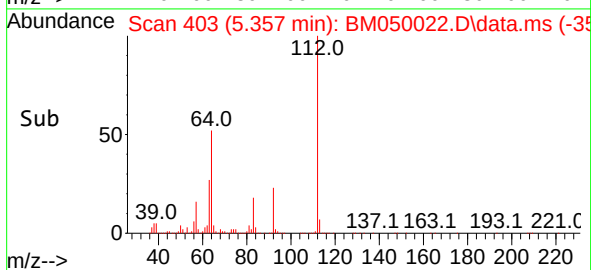
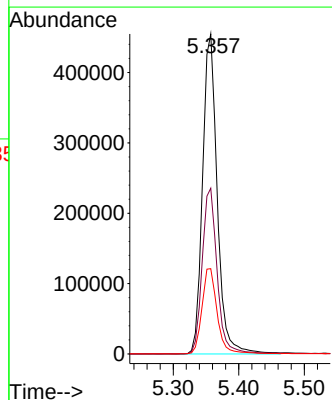
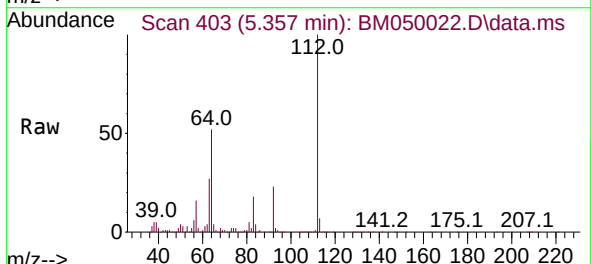
Instrument :
BNA_M
ClientSampleId :
NB-08-04222025

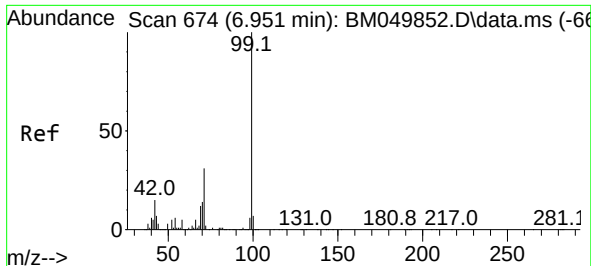
Tgt Ion:152 Resp: 312005
Ion Ratio Lower Upper
152 100
150 153.7 124.3 186.5
115 52.5 41.1 61.7



#5
2-Fluorophenol
Concen: 38.670 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

Tgt Ion:112 Resp: 710527
Ion Ratio Lower Upper
112 100
64 51.8 41.0 61.6
63 26.6 21.5 32.3

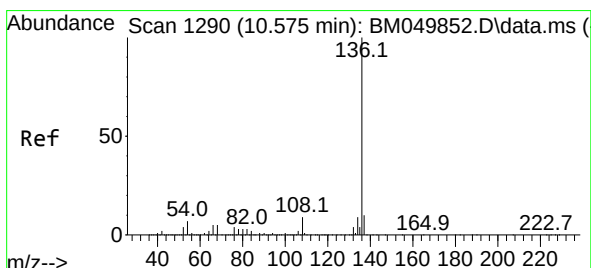
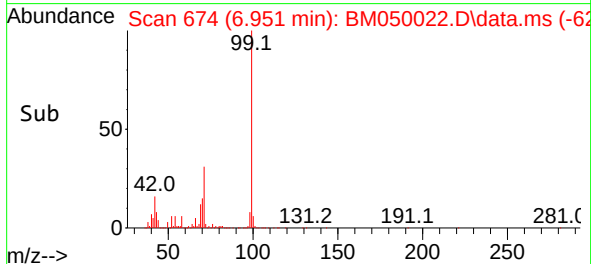
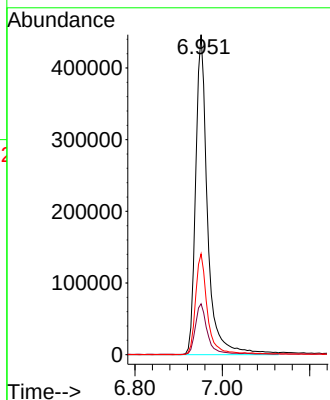
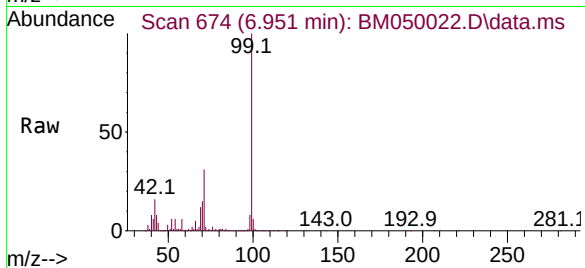




#7
Phenol-d6
Concen: 37.219 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

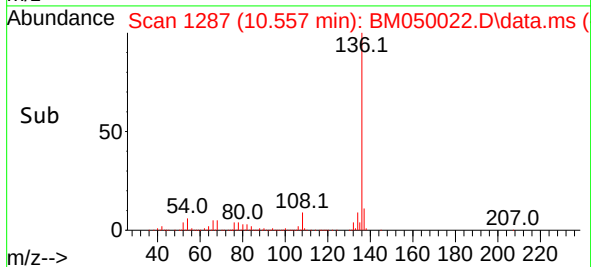
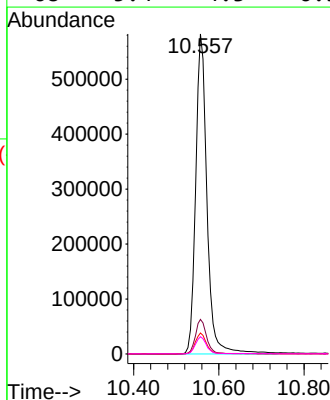
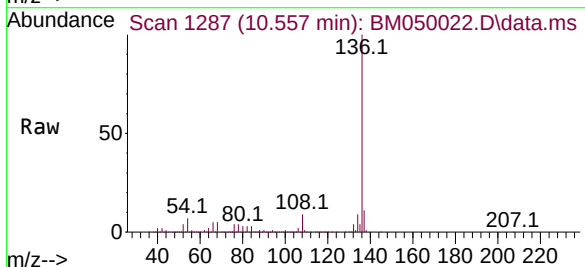
Instrument :
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ClientSampleId :
NB-08-04222025

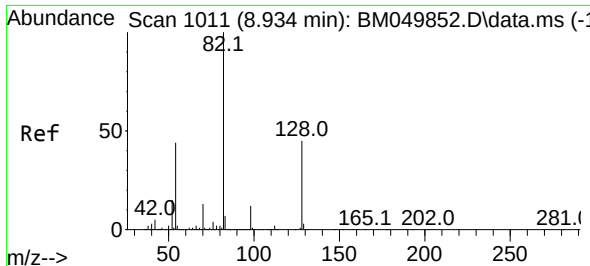
Tgt Ion: 99 Resp: 850841
Ion Ratio Lower Upper
99 100
42 15.9 12.1 18.1
71 31.5 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

Tgt Ion: 136 Resp: 1072537
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 6.5 5.3 7.9
68 5.4 4.3 6.5

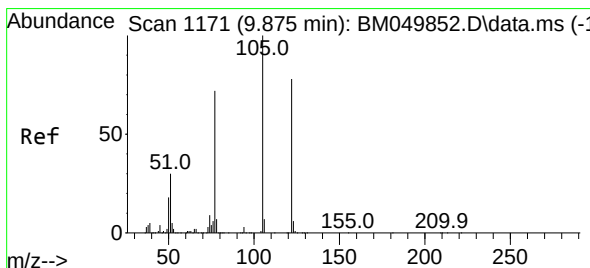
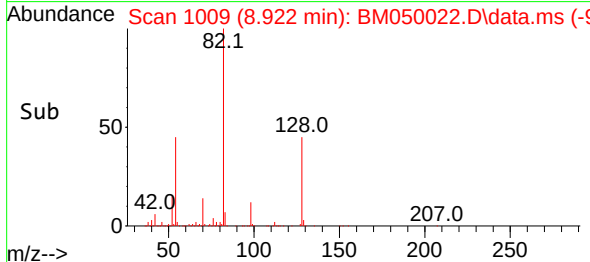
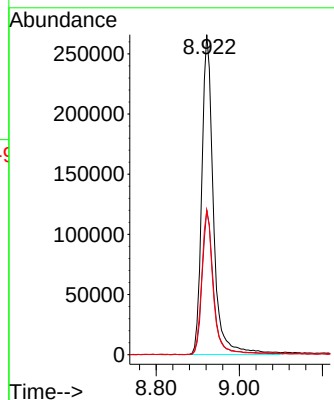
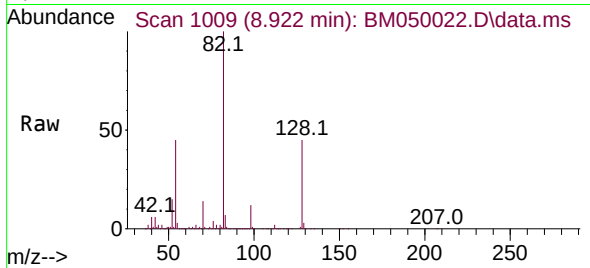




#23
Nitrobenzene-d5
Concen: 26.941 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

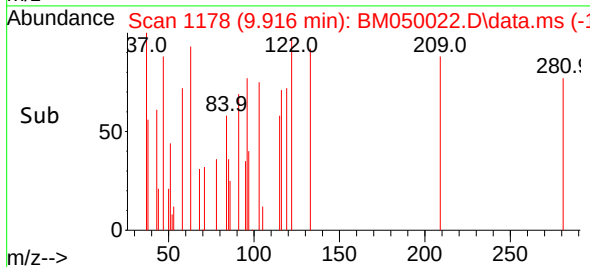
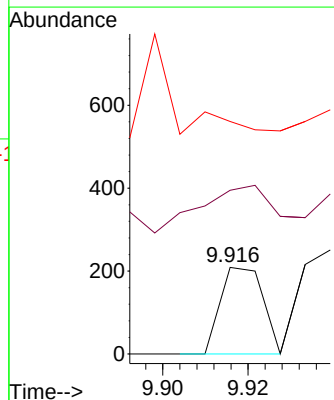
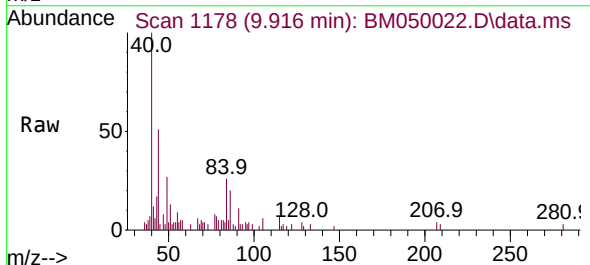
Instrument :
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ClientSampleId :
NB-08-04222025

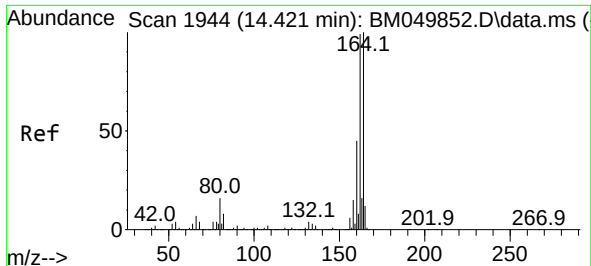
Tgt Ion: 82 Resp: 518896
Ion Ratio Lower Upper
82 100
128 45.1 36.2 54.2
54 45.1 35.0 52.6



#32
Benzoic acid
Concen: 8.547 ng
RT: 9.916 min Scan# 1178
Delta R.T. 0.041 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

Tgt Ion:122 Resp: 144
Ion Ratio Lower Upper
122 100
105 189.0 103.8 143.8#
77 268.4 70.7 110.7#

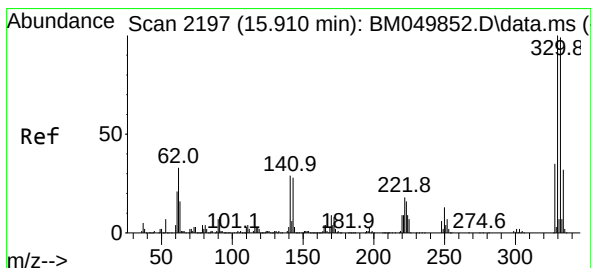
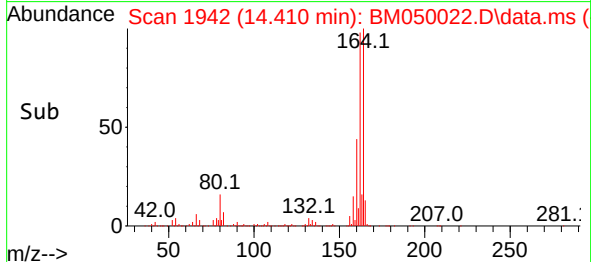
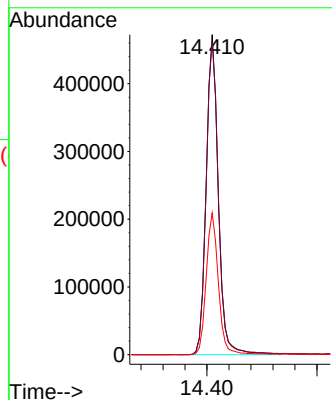
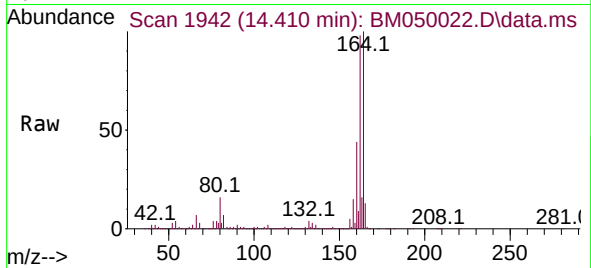




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

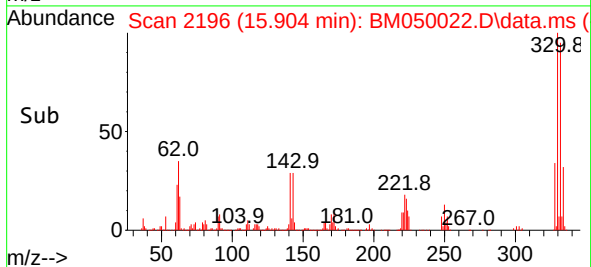
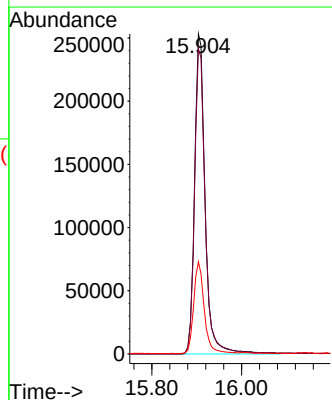
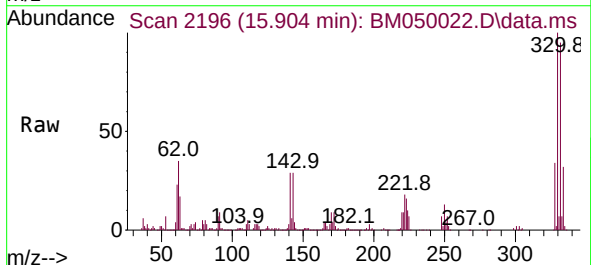
Instrument :
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ClientSampleId :
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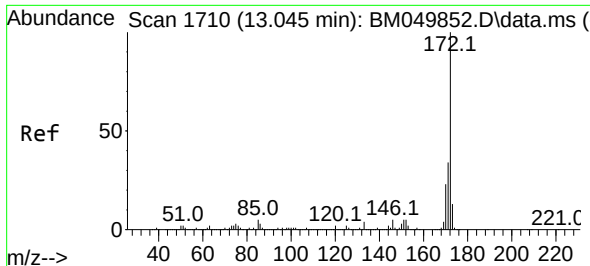
Tgt Ion:164 Resp: 720799
Ion Ratio Lower Upper
164 100
162 97.8 79.4 119.0
160 44.3 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 39.487 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

Tgt Ion:330 Resp: 413989
Ion Ratio Lower Upper
330 100
332 95.9 78.0 117.0
141 28.8 23.5 35.3

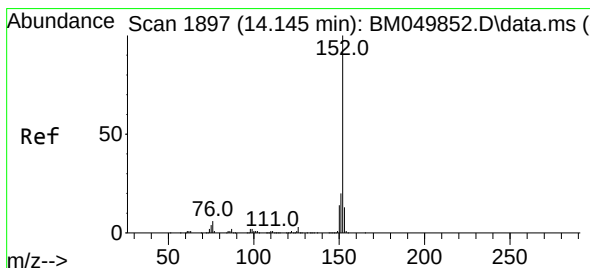
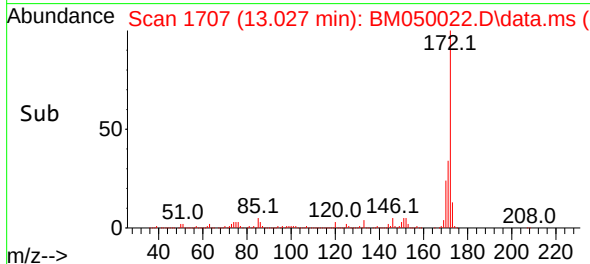
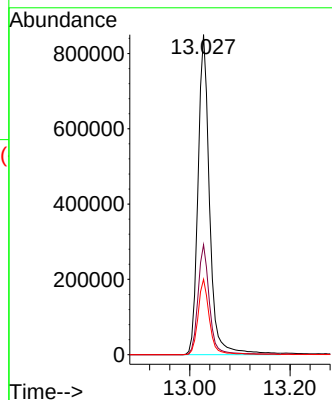
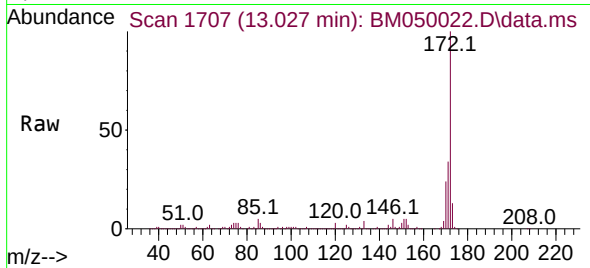




#45
2-Fluorobiphenyl
Concen: 25.592 ng
RT: 13.027 min Scan# 1710
Delta R.T. -0.018 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

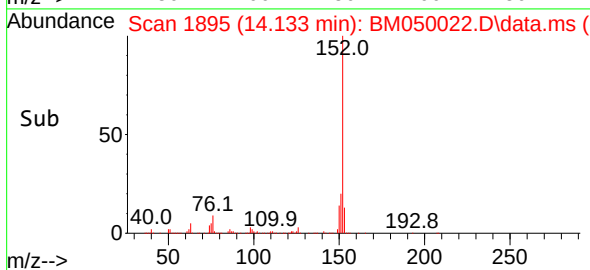
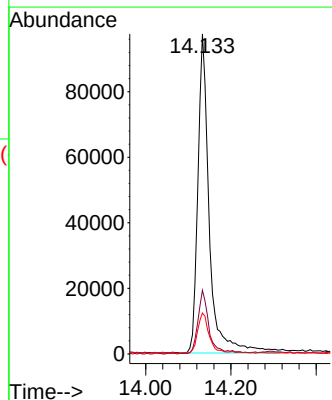
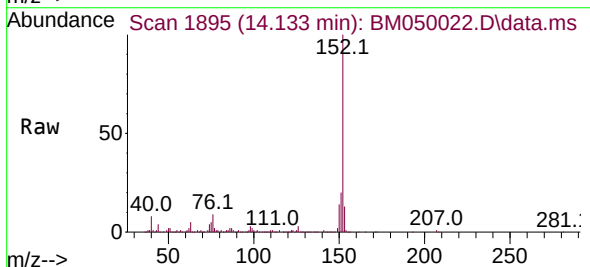
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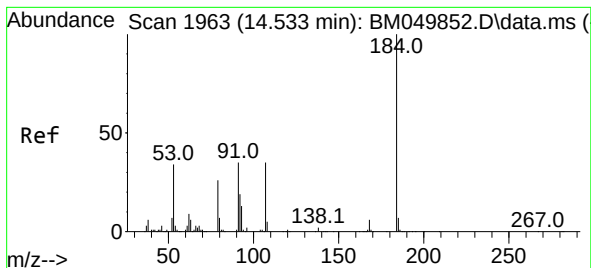
Tgt Ion:172 Resp: 1360344
Ion Ratio Lower Upper
172 100
171 34.4 27.4 41.2
170 23.5 18.6 28.0



#49
Acenaphthylene
Concen: 2.961 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.012 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

Tgt Ion:152 Resp: 181644
Ion Ratio Lower Upper
152 100
151 19.9 15.7 23.5
153 12.8 10.4 15.6

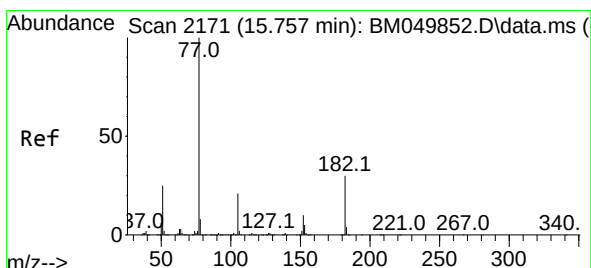
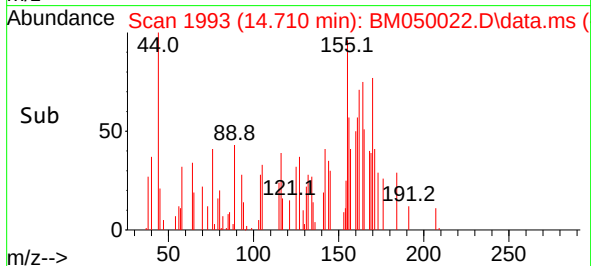
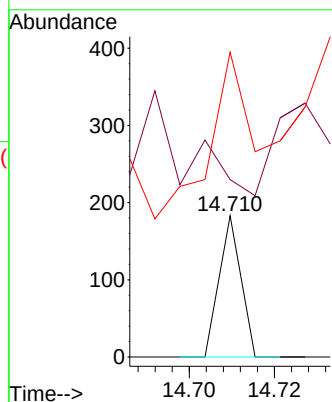
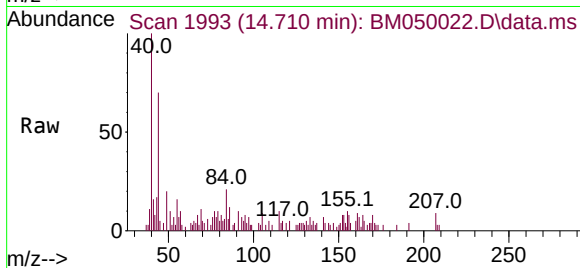




#54
2,4-Dinitrophenol
Concen: 7.232 ng
RT: 14.710 min Scan# 1963
Delta R.T. 0.177 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

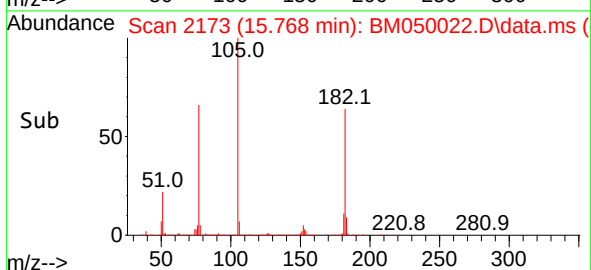
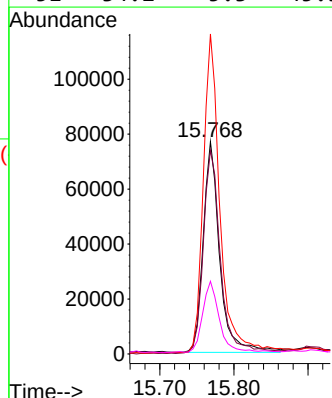
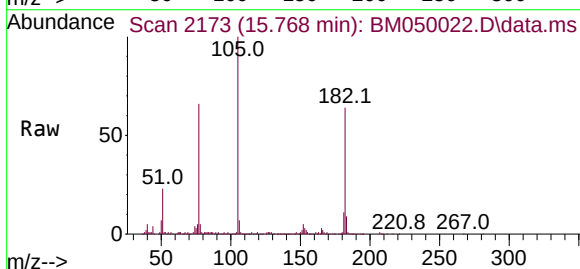
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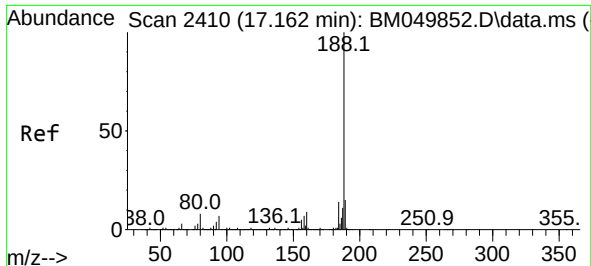
Tgt Ion:184 Resp: 65
Ion Ratio Lower Upper
184 100
63 125.7 38.4 57.6#
154 215.8 48.1 72.1#



#63
Azobenzene
Concen: 2.855 ng
RT: 15.768 min Scan# 2173
Delta R.T. 0.012 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

Tgt Ion: 77 Resp: 119178
Ion Ratio Lower Upper
77 100
182 96.0 10.4 50.4#
105 150.8 1.5 41.5#
51 34.2 5.3 45.3

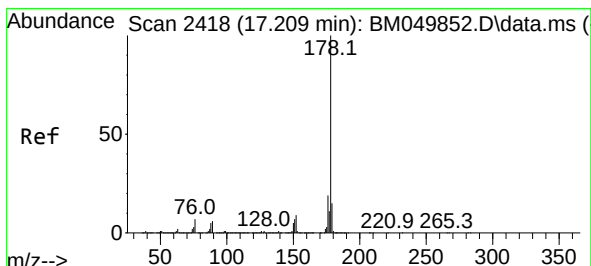
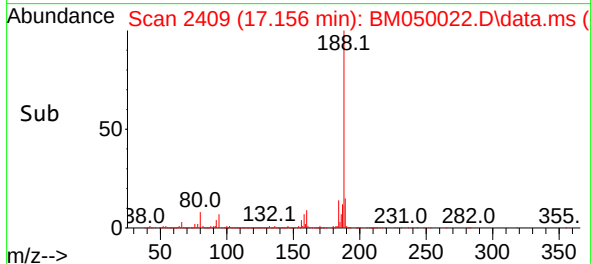
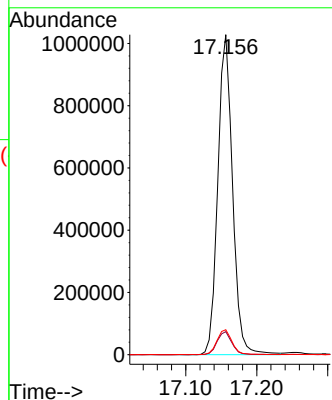
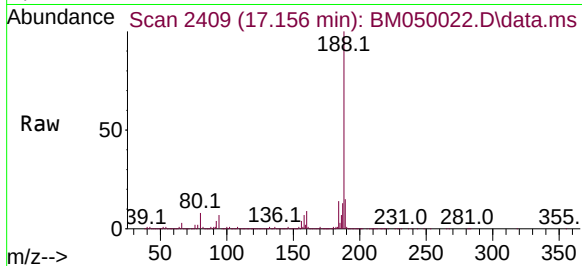




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

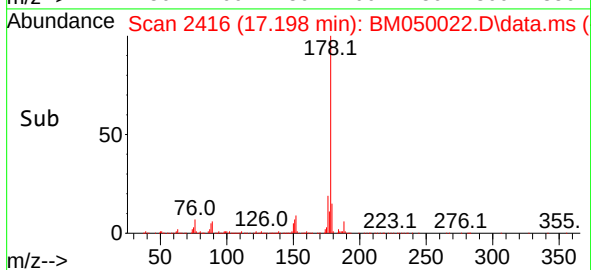
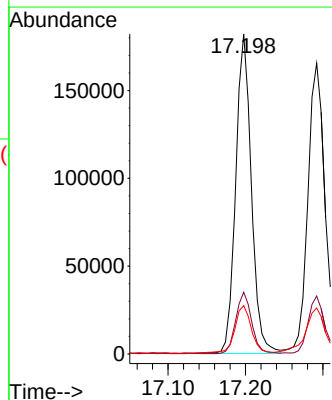
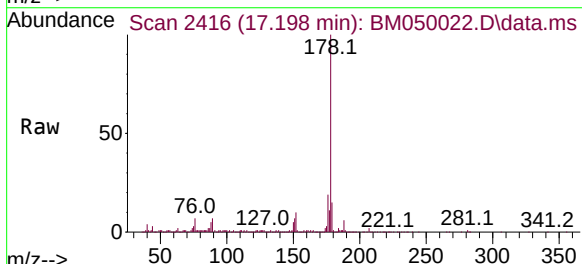
Instrument :
BNA_M
ClientSampleId :
NB-08-04222025

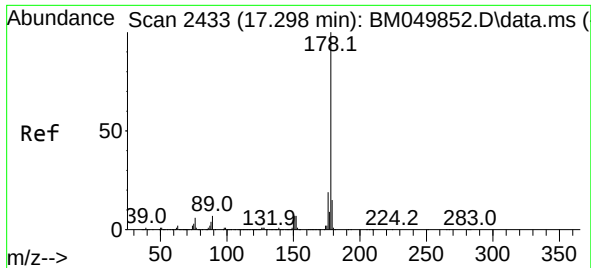
Tgt Ion:188 Resp: 1476781
Ion Ratio Lower Upper
188 100
94 7.2 5.8 8.6
80 7.8 6.4 9.6



#71
Phenanthrene
Concen: 3.159 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.012 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

Tgt Ion:178 Resp: 255745
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.1 12.3 18.5

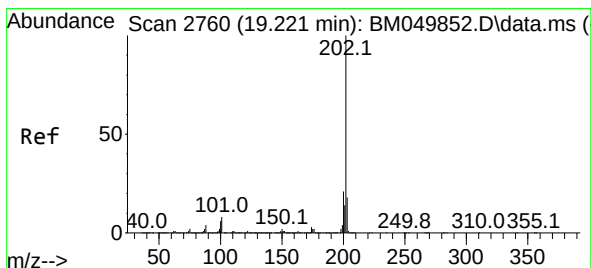
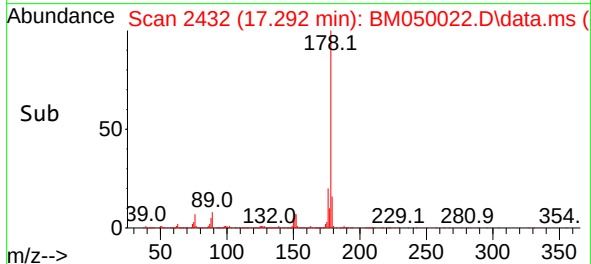
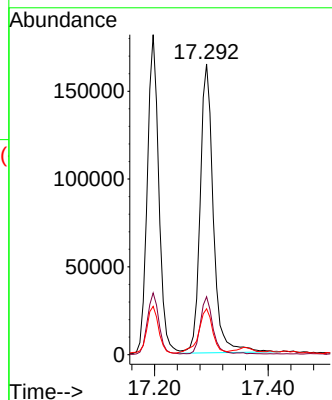
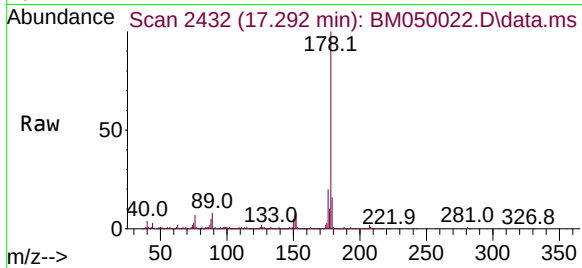




#72
 Anthracene
 Concen: 3.322 ng
 RT: 17.292 min Scan# 24
 Delta R.T. -0.006 min
 Lab File: BM050022.D
 Acq: 23 Apr 2025 20:29

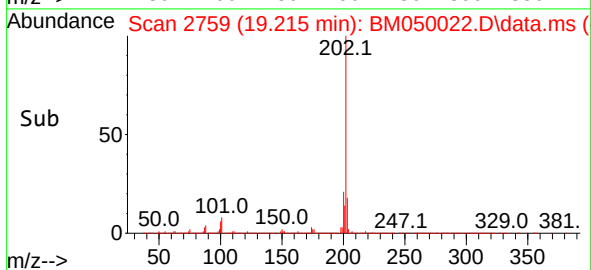
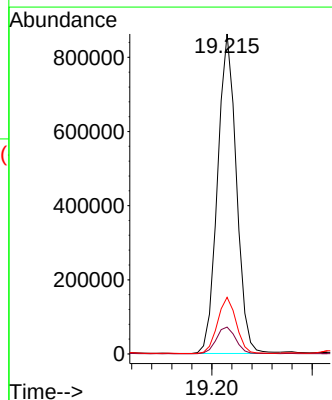
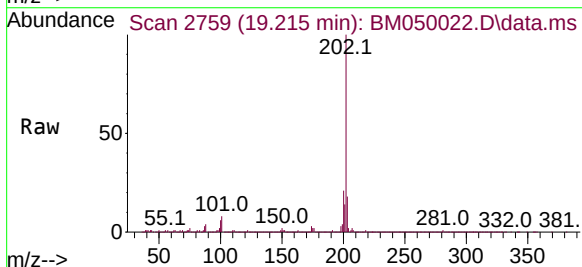
Instrument :
 BNA_M
 ClientSampleId :
 NB-08-04222025

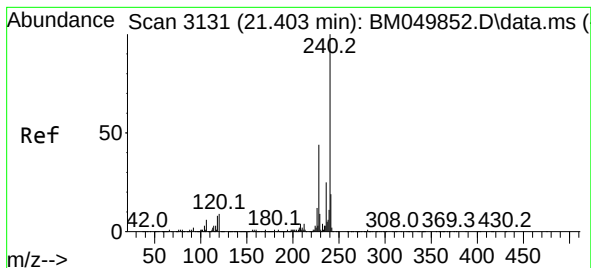
Tgt Ion:178 Resp: 265025
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.1 22.7
 179 15.8 12.4 18.6



#75
 Fluoranthene
 Concen: 11.309 ng
 RT: 19.215 min Scan# 2759
 Delta R.T. -0.006 min
 Lab File: BM050022.D
 Acq: 23 Apr 2025 20:29

Tgt Ion:202 Resp: 1125794
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 28.4
 203 17.7 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.397 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM050022.D

Acq: 23 Apr 2025 20:29

Instrument :

BNA_M

ClientSampleId :

NB-08-04222025

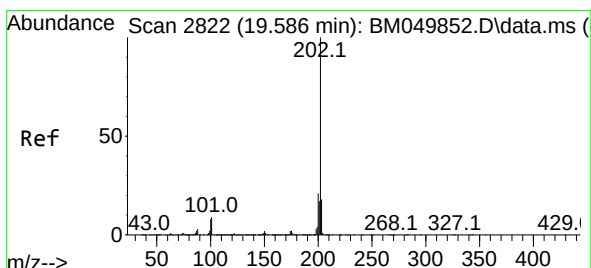
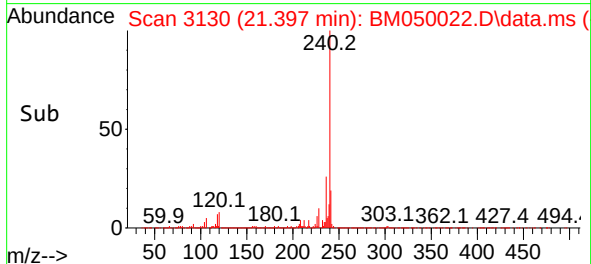
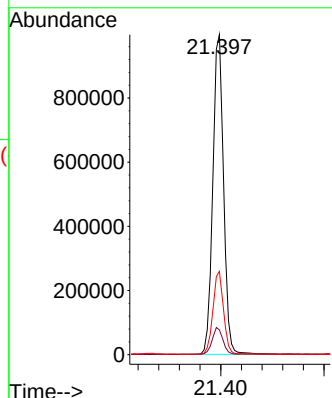
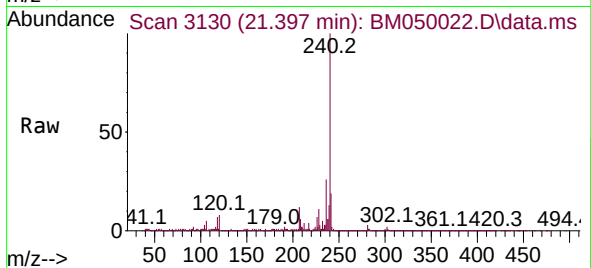
Tgt Ion:240 Resp: 1439998

Ion Ratio Lower Upper

240 100

120 7.8 6.9 10.3

236 26.1 20.4 30.6



#78

Pyrene

Concen: 12.724 ng

RT: 19.580 min Scan# 2821

Delta R.T. -0.006 min

Lab File: BM050022.D

Acq: 23 Apr 2025 20:29

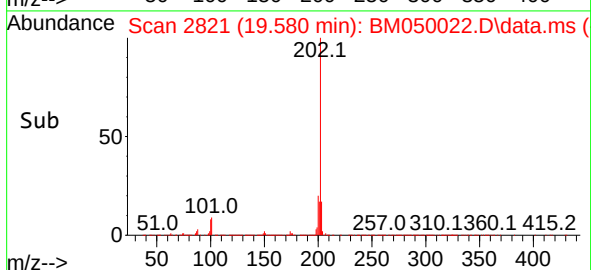
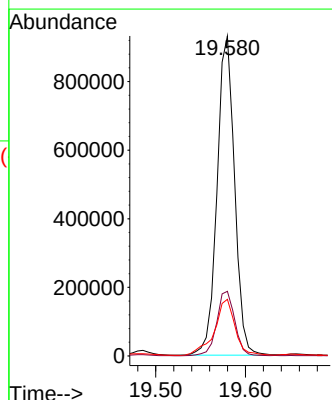
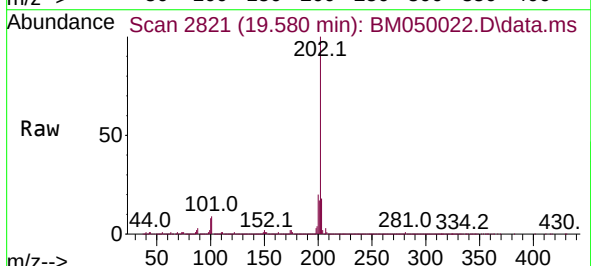
Tgt Ion:202 Resp: 1262744

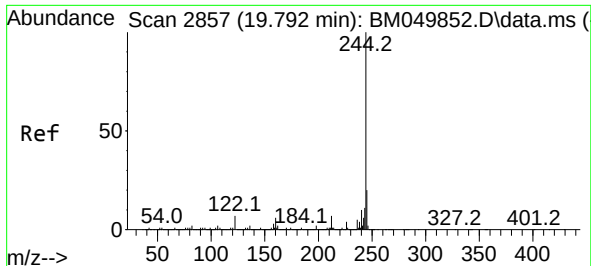
Ion Ratio Lower Upper

202 100

200 20.2 16.5 24.7

203 17.7 14.0 21.0

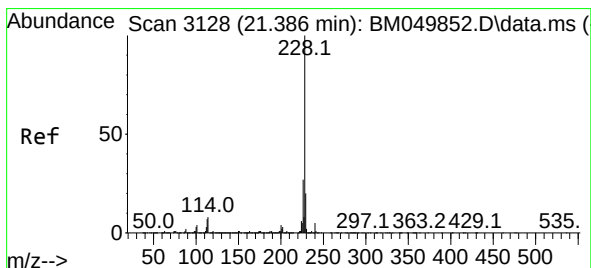
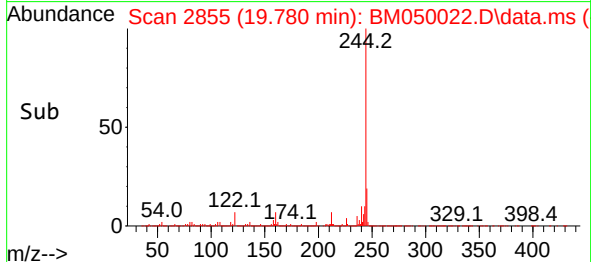
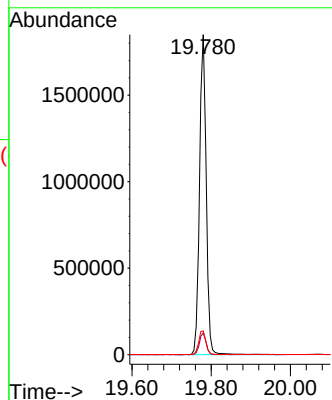
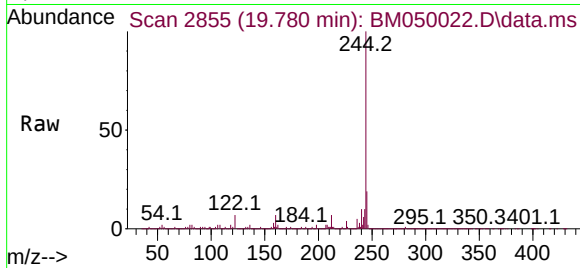




#79
 Terphenyl-d14
 Concen: 27.917 ng
 RT: 19.780 min Scan# 2145105
 Delta R.T. -0.012 min
 Lab File: BM050022.D
 Acq: 23 Apr 2025 20:29

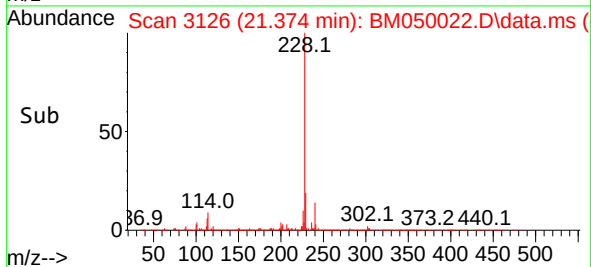
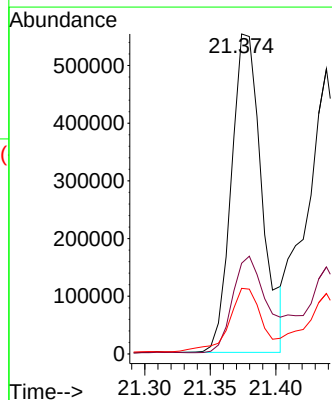
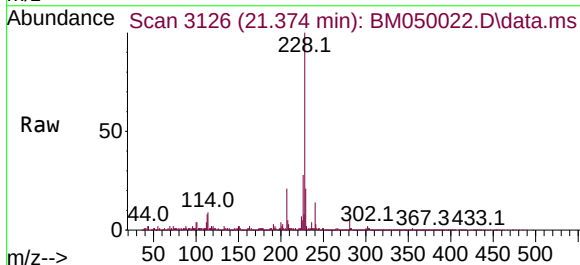
Instrument :
 BNA_M
 ClientSampleId :
 NB-08-04222025

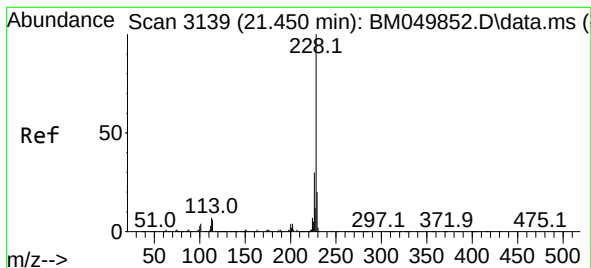
Tgt Ion:244 Resp: 2145105
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 7.5 5.4 8.0



#81
 Benzo(a)anthracene
 Concen: 9.354 ng
 RT: 21.374 min Scan# 3126
 Delta R.T. -0.012 min
 Lab File: BM050022.D
 Acq: 23 Apr 2025 20:29

Tgt Ion:228 Resp: 895218
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.8 32.8
 229 20.5 15.8 23.8





#83

Chrysene

Concen: 9.471 ng

RT: 21.439 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM050022.D

Acq: 23 Apr 2025 20:29

Instrument :

BNA_M

ClientSampleId :

NB-08-04222025

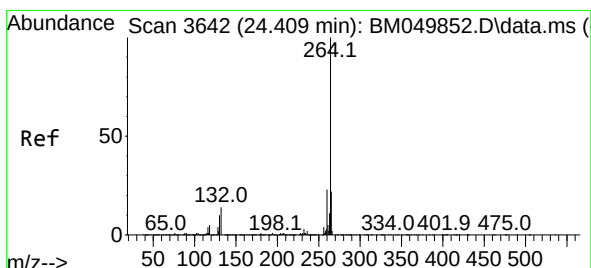
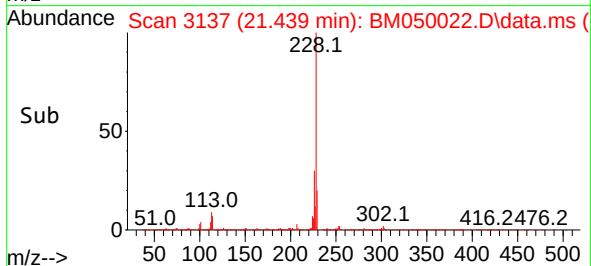
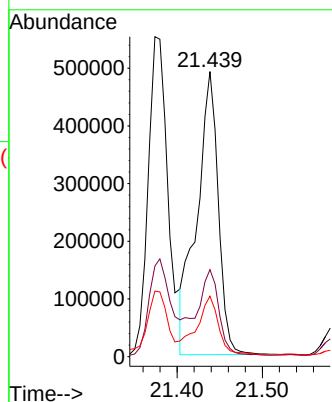
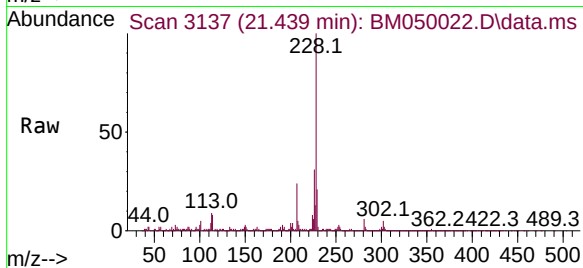
Tgt Ion:228 Resp: 861696

Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

229 21.2 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.397 min Scan# 3640

Delta R.T. -0.012 min

Lab File: BM050022.D

Acq: 23 Apr 2025 20:29

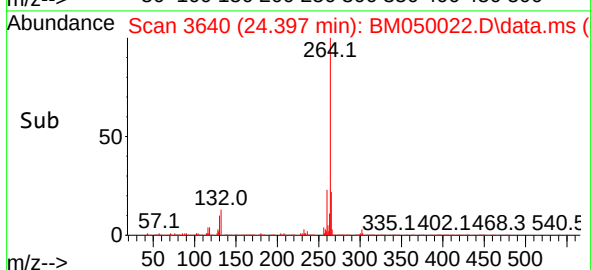
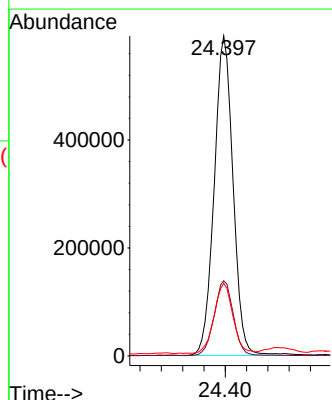
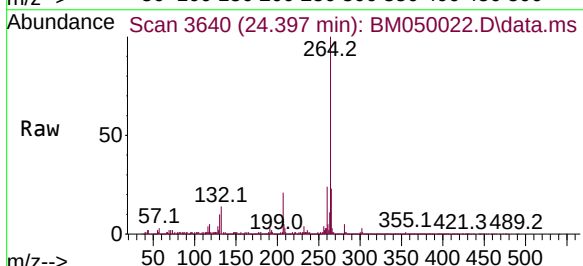
Tgt Ion:264 Resp: 1451662

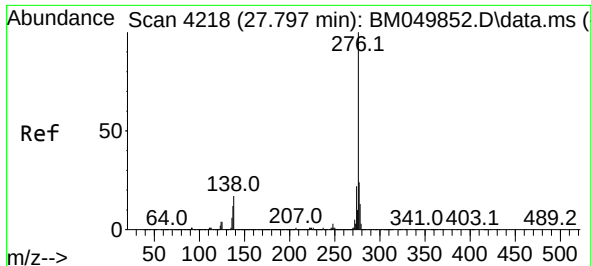
Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 22.8 17.8 26.8

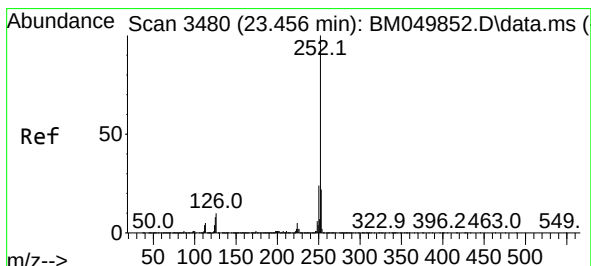
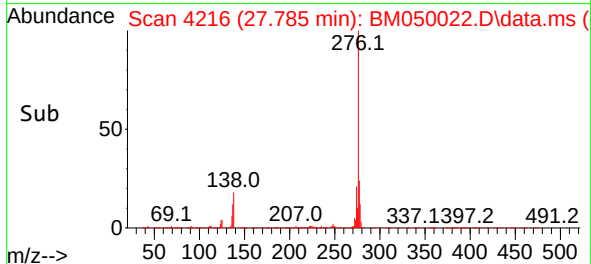
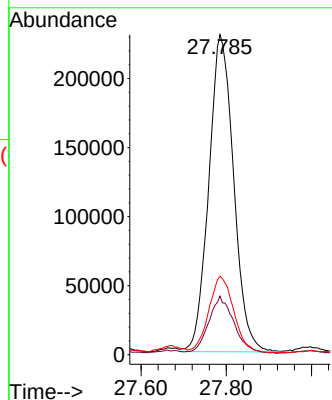
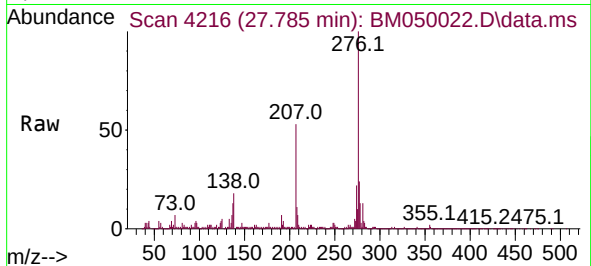




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.598 ng
 RT: 27.785 min Scan# 4218
 Delta R.T. -0.012 min
 Lab File: BM050022.D
 Acq: 23 Apr 2025 20:29

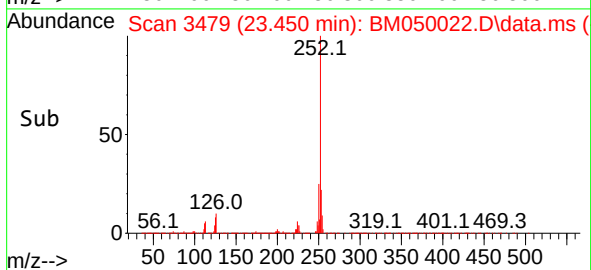
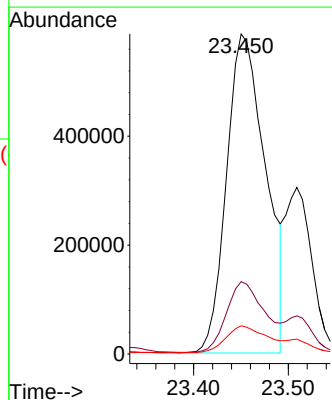
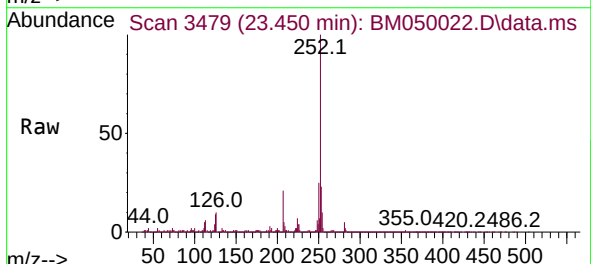
Instrument :
 BNA_M
 ClientSampleId :
 NB-08-04222025

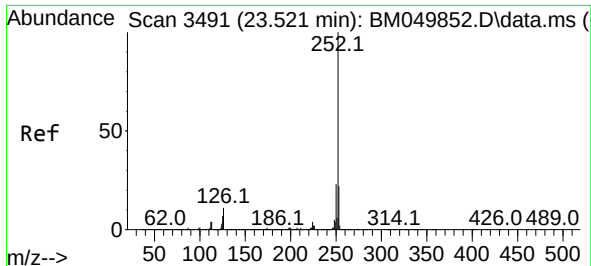
Tgt Ion:276 Resp: 930380
 Ion Ratio Lower Upper
 276 100
 138 18.1 16.8 25.2
 277 24.4 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 18.168 ng
 RT: 23.450 min Scan# 3479
 Delta R.T. -0.006 min
 Lab File: BM050022.D
 Acq: 23 Apr 2025 20:29

Tgt Ion:252 Resp: 1684402
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.5 26.3
 125 8.8 6.2 9.4

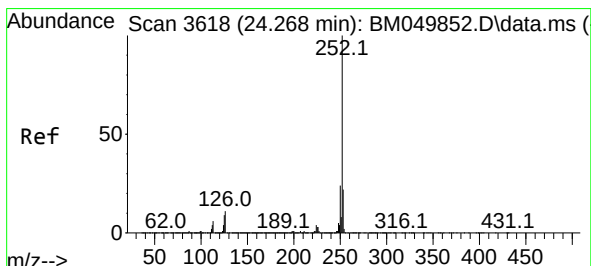
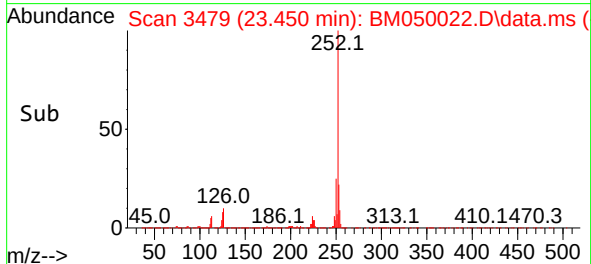
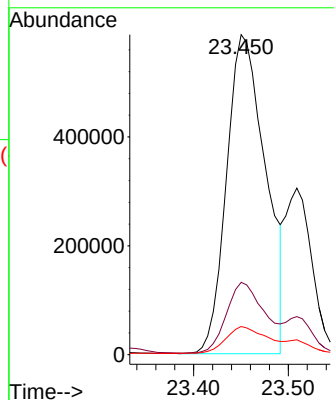
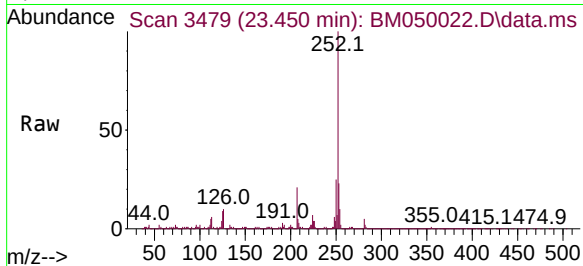




#89
Benzo(k)fluoranthene
Concen: 18.748 ng
RT: 23.450 min Scan# 3491
Delta R.T. -0.071 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

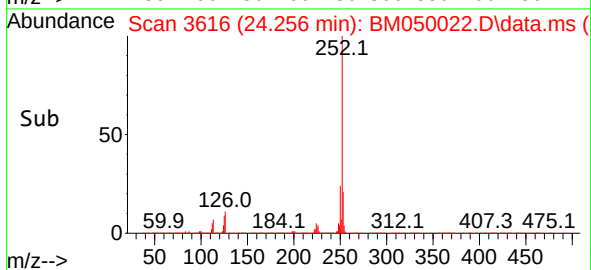
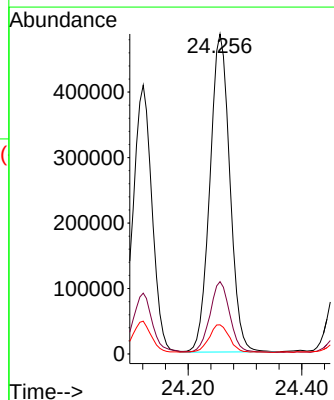
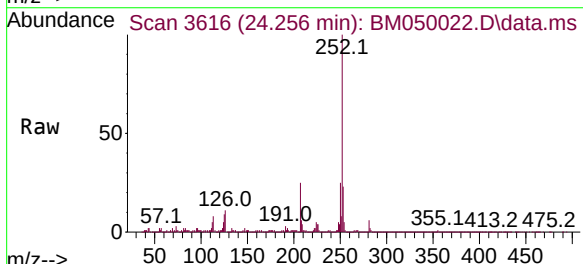
Instrument :
BNA_M
ClientSampleId :
NB-08-04222025

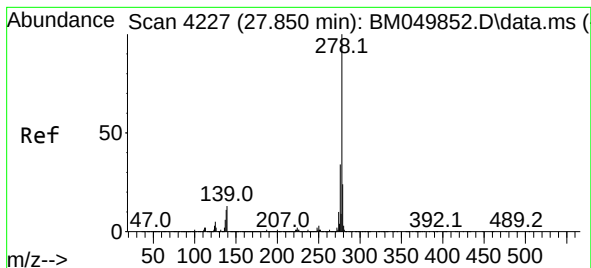
Tgt Ion:252 Resp: 1684402
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 8.8 5.8 8.8#



#90
Benzo(a)pyrene
Concen: 14.497 ng
RT: 24.256 min Scan# 3616
Delta R.T. -0.012 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

Tgt Ion:252 Resp: 1181056
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 9.1 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 2.580 ng

RT: 27.826 min Scan# 41

Delta R.T. -0.024 min

Lab File: BM050022.D

Acq: 23 Apr 2025 20:29

Instrument :

BNA_M

ClientSampleId :

NB-08-04222025

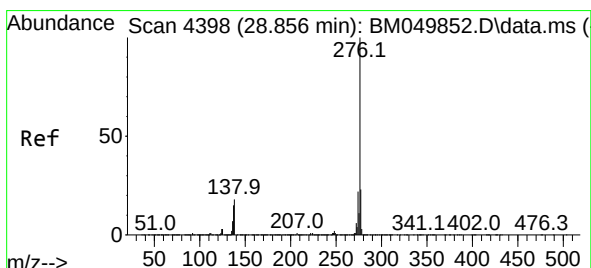
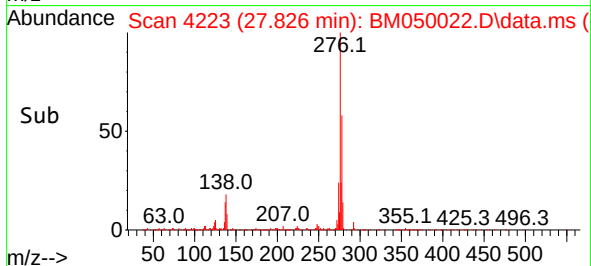
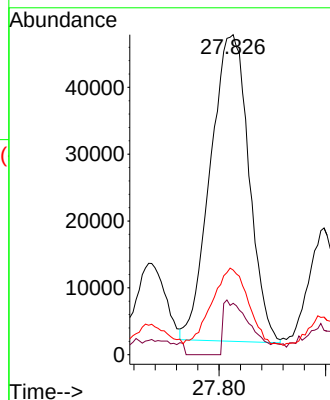
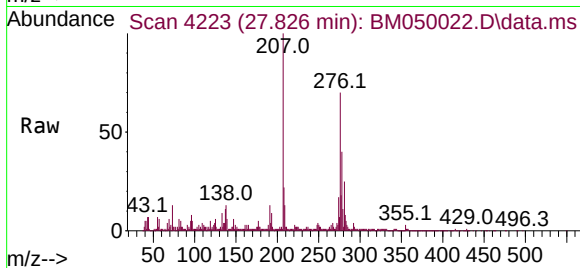
Tgt Ion:278 Resp: 229978

Ion Ratio Lower Upper

278 100

139 16.1 10.6 15.8#

279 26.5 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 10.709 ng

RT: 28.844 min Scan# 4396

Delta R.T. -0.012 min

Lab File: BM050022.D

Acq: 23 Apr 2025 20:29

Tgt Ion:276 Resp: 975343

Ion Ratio Lower Upper

276 100

277 24.2 18.7 28.1

138 18.0 14.6 21.8

