

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
 Data File : BM050004.D
 Acq On : 22 Apr 2025 20:24
 Operator : RC/JU
 Sample : Q1842-31 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-13

Quant Time: Apr 23 01:15:09 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)

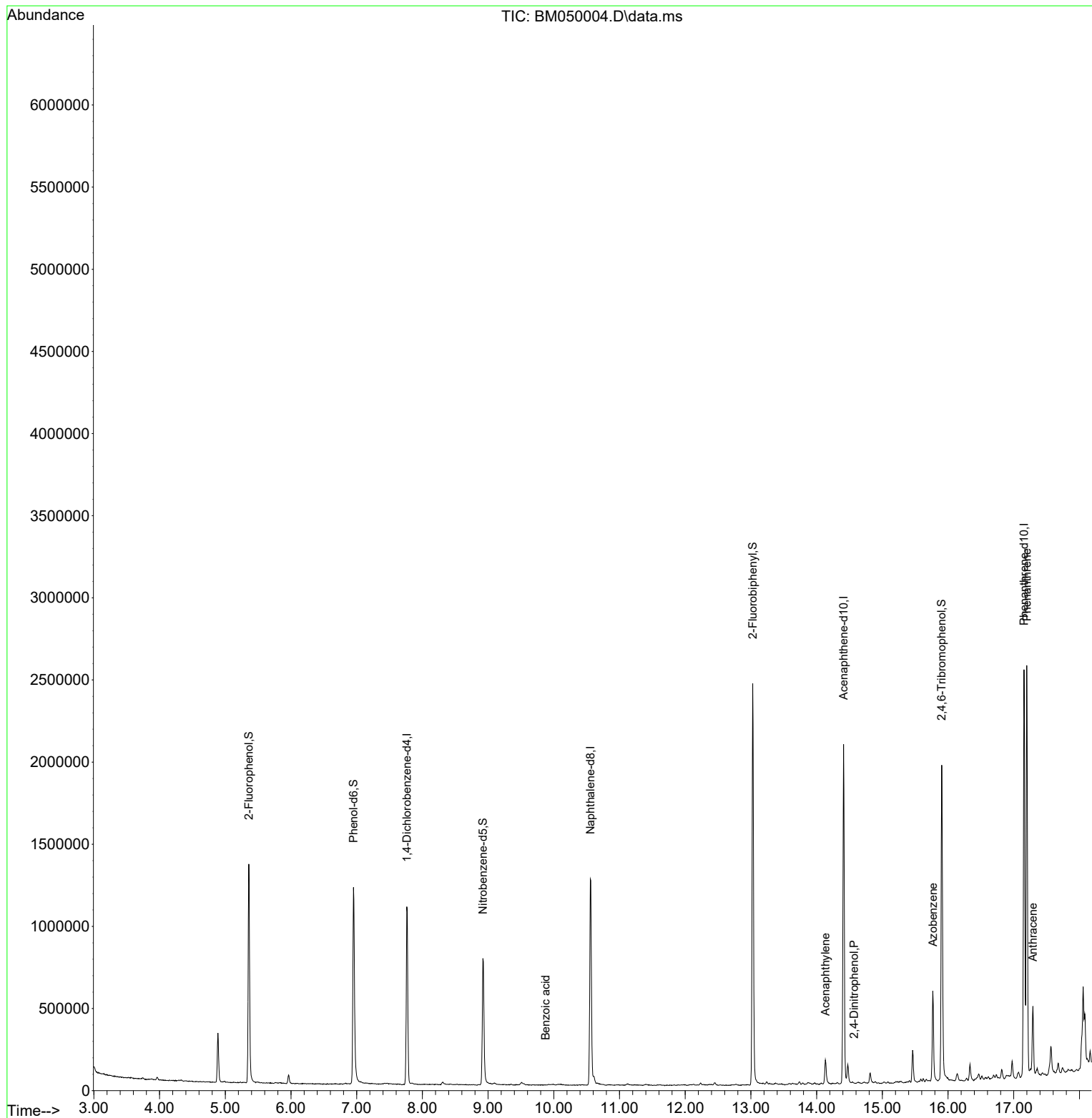
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	326570	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	1140880	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	757006	20.000	ng	-0.01
64) Phenanthrene-d10	17.156	188	1510967	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1462449	20.000	ng	0.00
86) Perylene-d12	24.403	264	1508528	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	631768	32.850	ng	0.00
7) Phenol-d6	6.951	99	814062	34.021	ng	0.00
23) Nitrobenzene-d5	8.922	82	501840	24.494	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	408549	37.104	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	1394426	24.978	ng	-0.02
79) Terphenyl-d14	19.780	244	2043720	26.189	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.875	122	149	8.547	ng	# 18
49) Acenaphthylene	14.133	152	131800	2.046	ng	99
54) 2,4-Dinitrophenol	14.568	184	59	7.231	ng	# 1
63) Azobenzene	15.768	77	148752	3.392	ng	# 1
71) Phenanthrene	17.198	178	1558546	18.815	ng	100
72) Anthracene	17.292	178	283107	3.468	ng	99
75) Fluoranthene	19.215	202	3185026	31.271	ng	100
78) Pyrene	19.580	202	2689447	26.684	ng	99
81) Benzo(a)anthracene	21.380	228	1027496	10.572	ng	99
83) Chrysene	21.439	228	988119	10.694	ng	98
87) Indeno(1,2,3-cd)pyrene	27.797	276	714947	6.358	ng	97
88) Benzo(b)fluoranthene	23.456	252	1421001	14.749	ng	98
89) Benzo(k)fluoranthene	23.456	252	1421001	15.220	ng	# 97
90) Benzo(a)pyrene	24.262	252	985748	11.644	ng	99
92) Benzo(g,h,i)perylene	28.856	276	738261	7.800	ng	99

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

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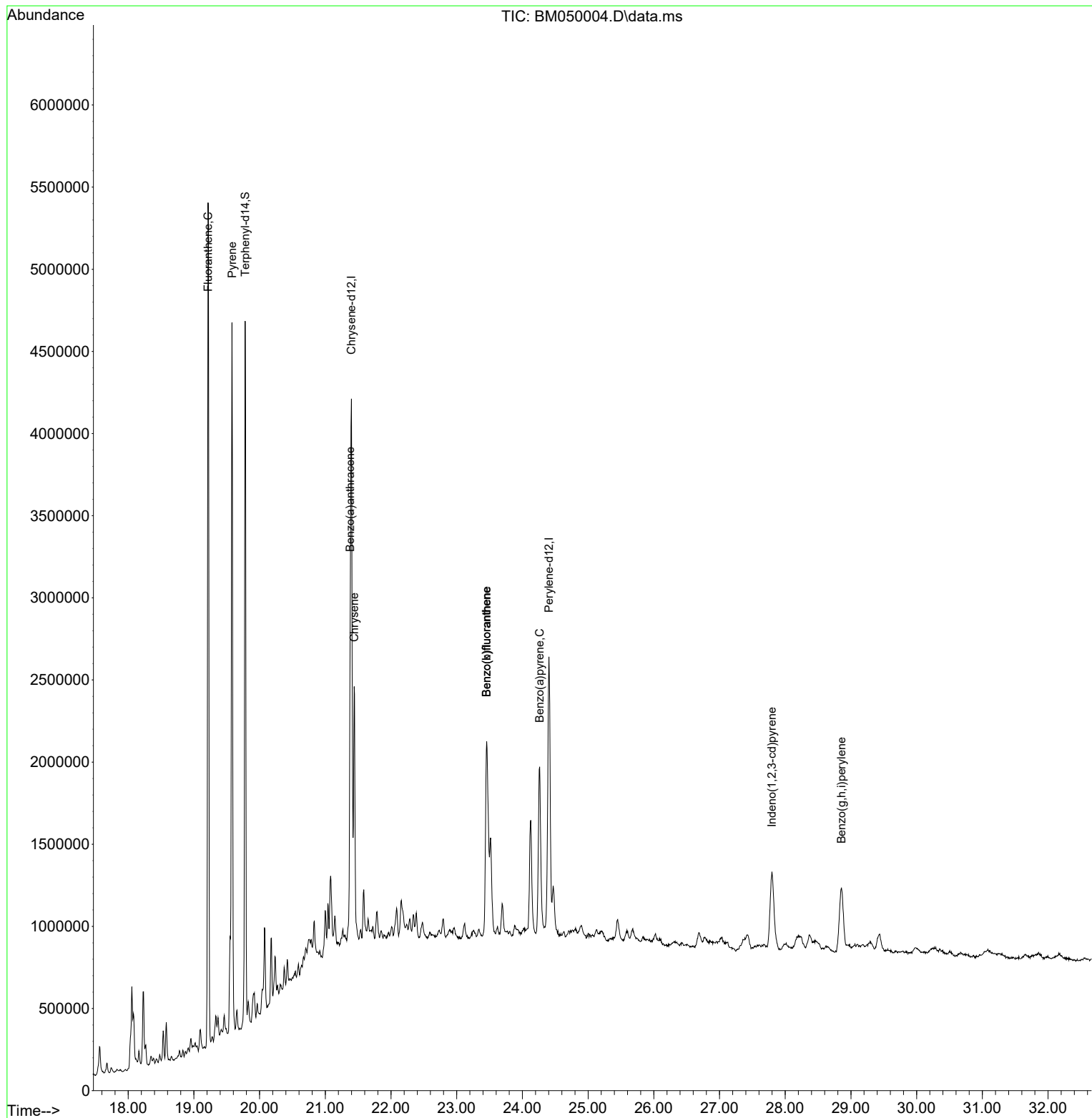
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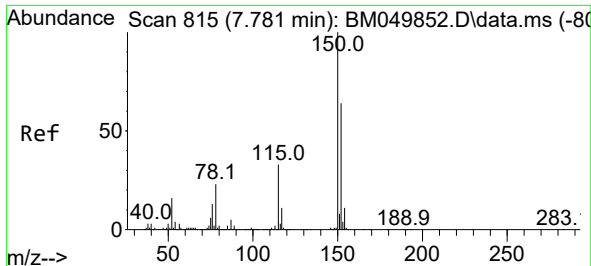


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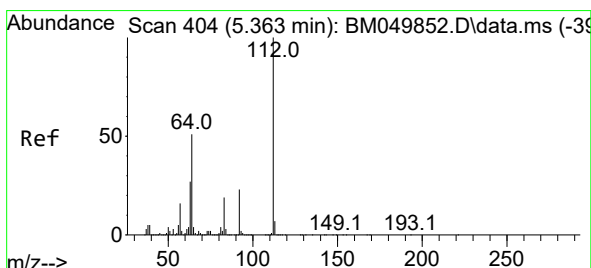
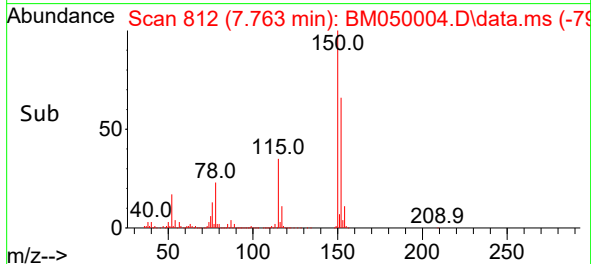
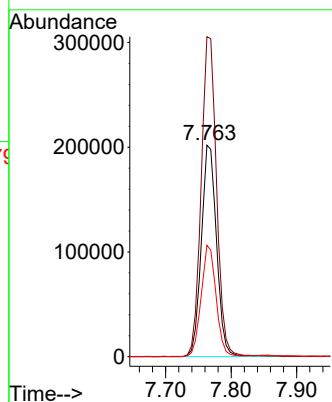
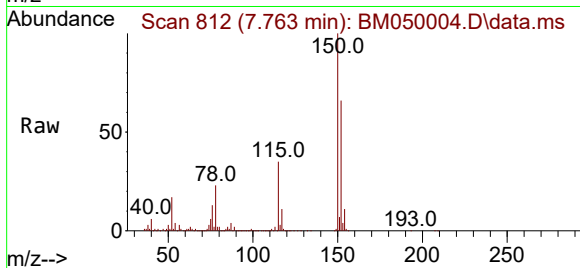




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

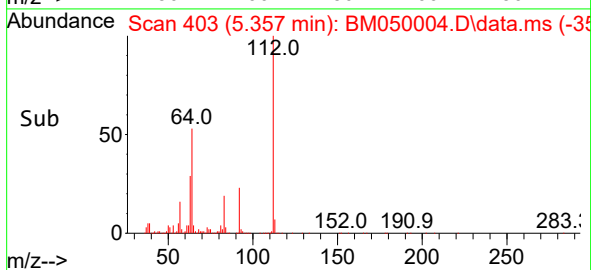
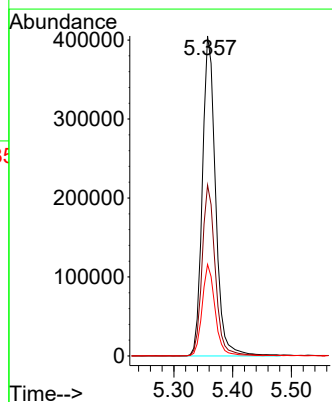
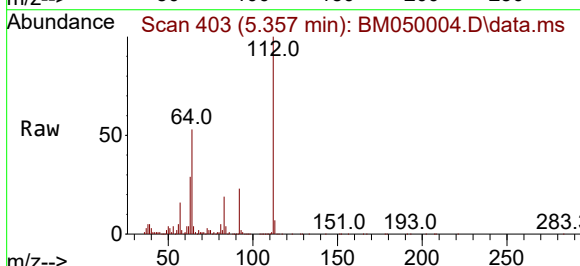
Instrument :
BNA_M
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PL-714-COMP-13

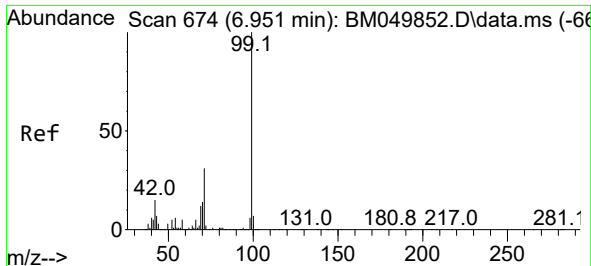
Tgt Ion:152 Resp: 326570
Ion Ratio Lower Upper
152 100
150 151.3 124.3 186.5
115 52.6 41.1 61.7



#5
2-Fluorophenol
Concen: 32.850 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

Tgt Ion:112 Resp: 631768
Ion Ratio Lower Upper
112 100
64 53.4 41.0 61.6
63 28.6 21.5 32.3

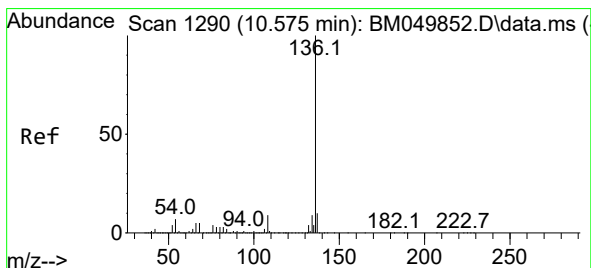
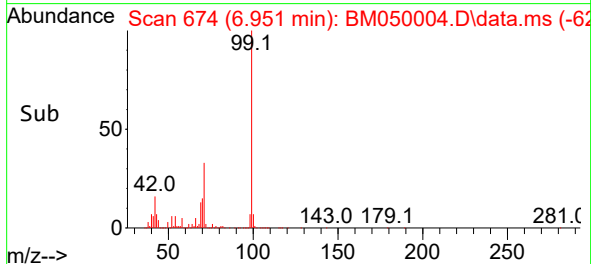
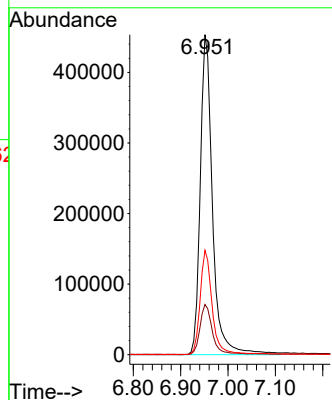
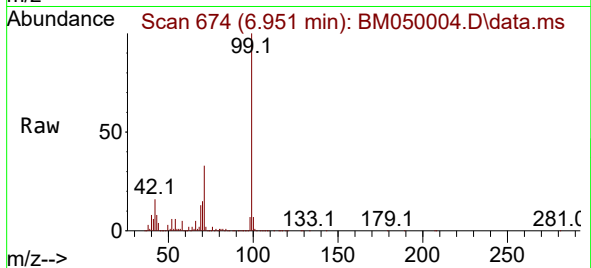




#7
Phenol-d6
Concen: 34.021 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

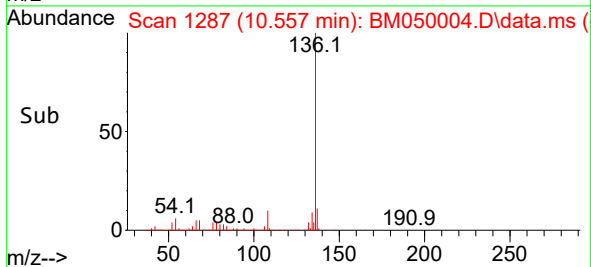
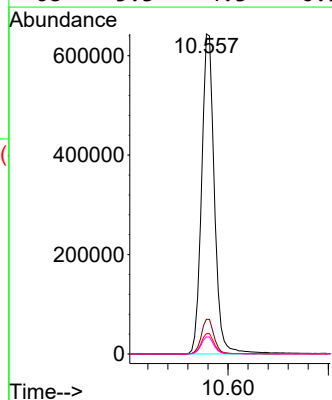
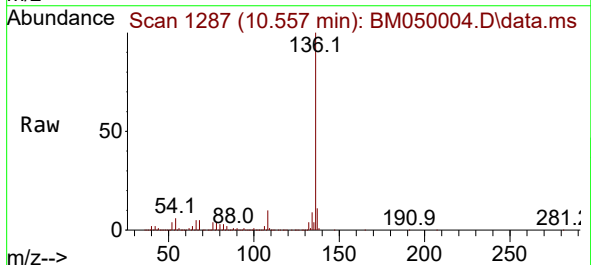
Instrument :
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ClientSampleId :
PL-714-COMP-13

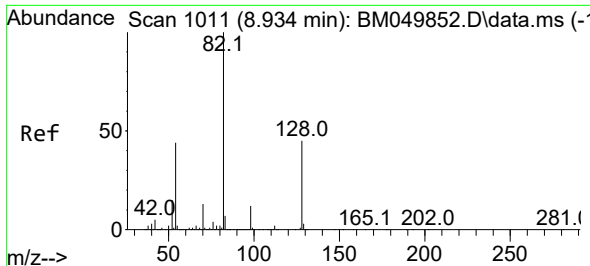
Tgt Ion: 99 Resp: 814062
Ion Ratio Lower Upper
99 100
42 15.7 12.1 18.1
71 32.6 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

Tgt Ion: 136 Resp: 1140880
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 6.3 5.3 7.9
68 5.3 4.3 6.5

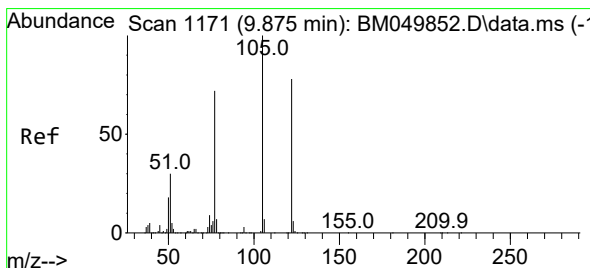
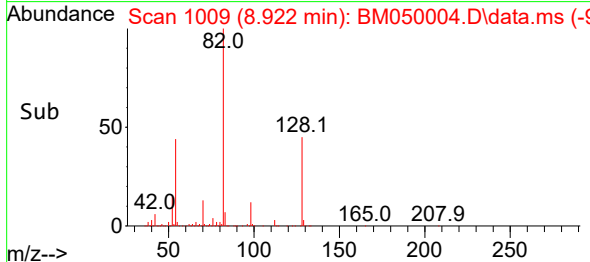
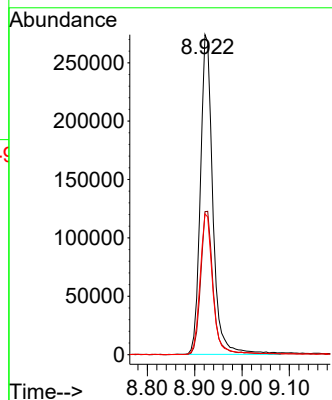
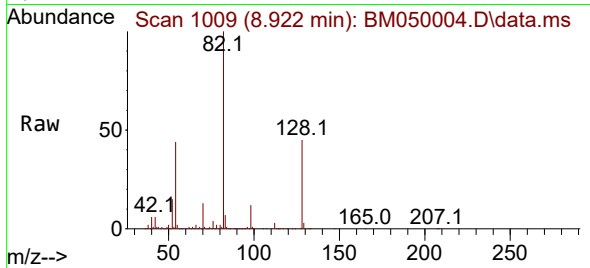




#23
Nitrobenzene-d5
Concen: 24.494 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

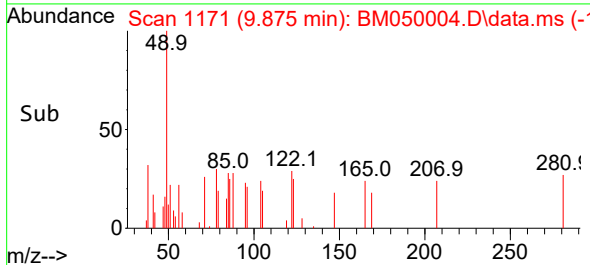
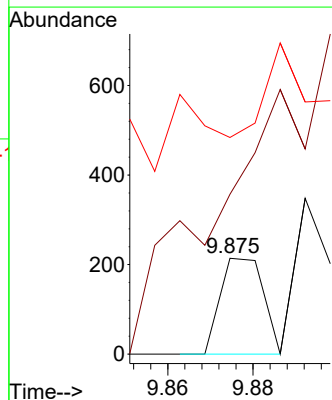
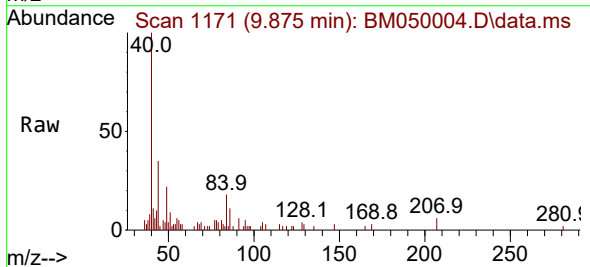
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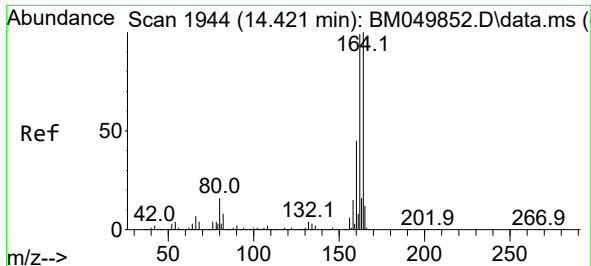
Tgt Ion: 82 Resp: 501840
Ion Ratio Lower Upper
82 100
128 44.7 36.2 54.2
54 44.0 35.0 52.6



#32
Benzoic acid
Concen: 8.547 ng
RT: 9.875 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

Tgt Ion:122 Resp: 149
Ion Ratio Lower Upper
122 100
105 166.8 103.8 143.8#
77 226.2 70.7 110.7#

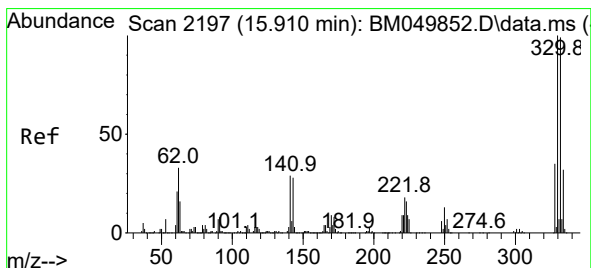
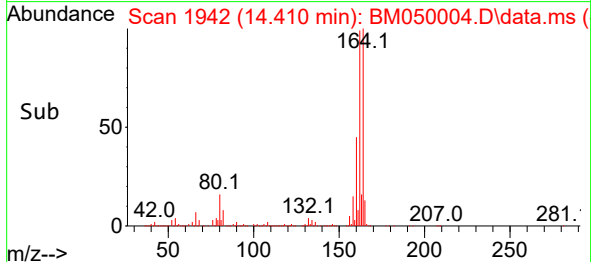
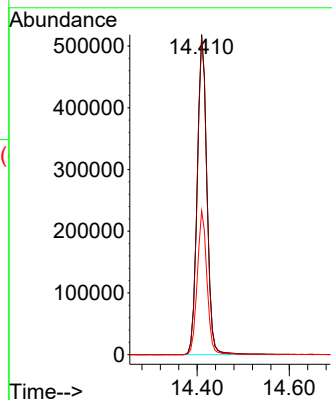
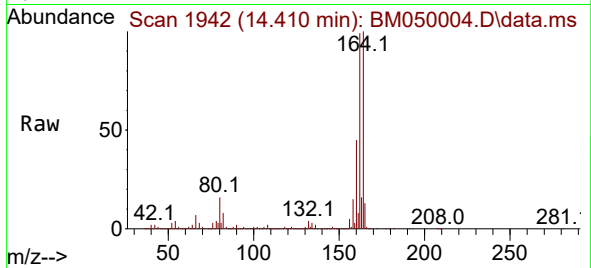




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

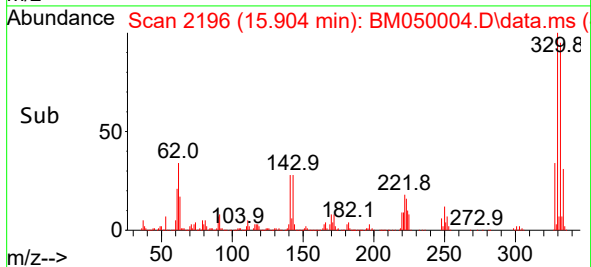
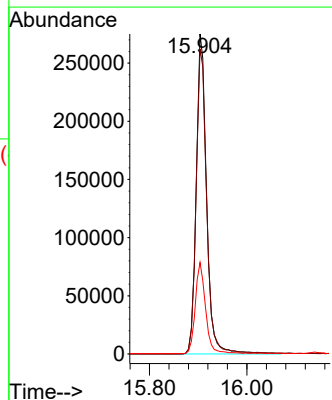
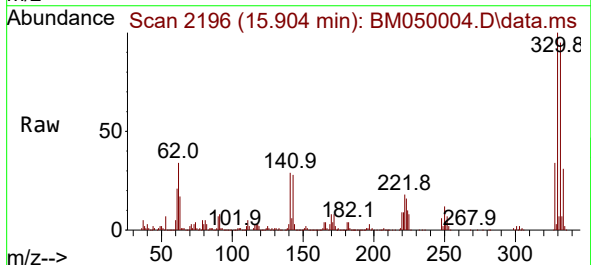
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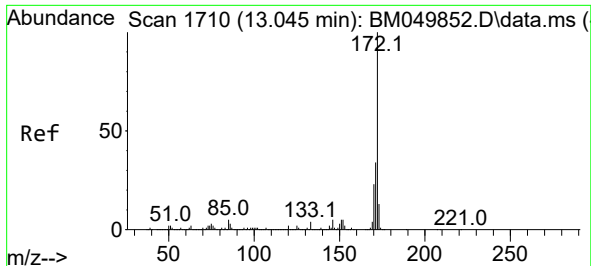
Tgt Ion:164 Resp: 757006
Ion Ratio Lower Upper
164 100
162 99.1 79.4 119.0
160 44.9 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 37.104 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

Tgt Ion:330 Resp: 408549
Ion Ratio Lower Upper
330 100
332 96.8 78.0 117.0
141 28.4 23.5 35.3

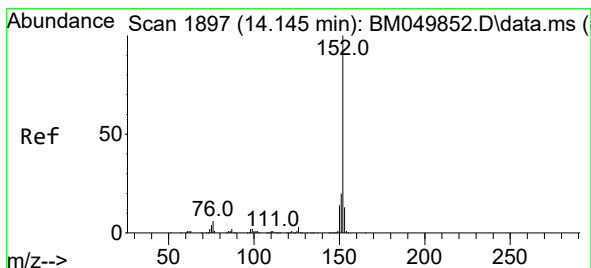
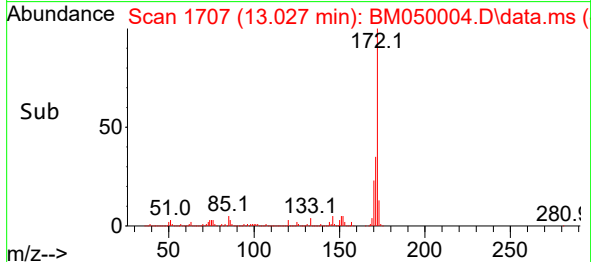
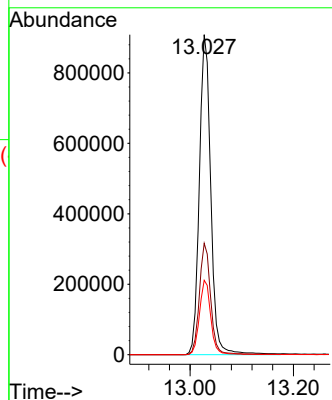
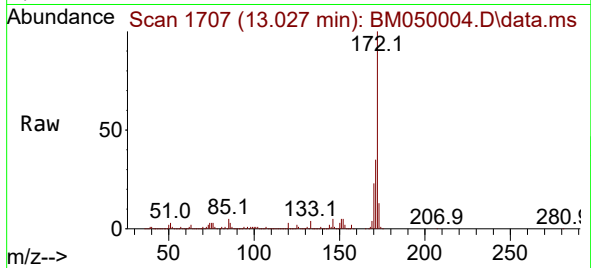




#45
2-Fluorobiphenyl
Concen: 24.978 ng
RT: 13.027 min Scan# 1710
Delta R.T. -0.018 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

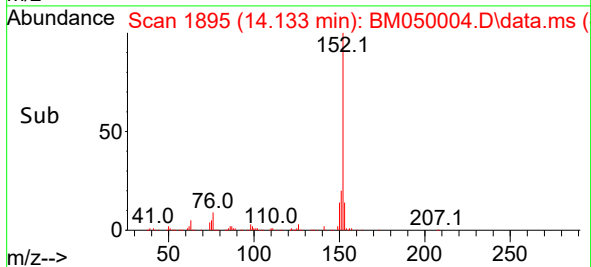
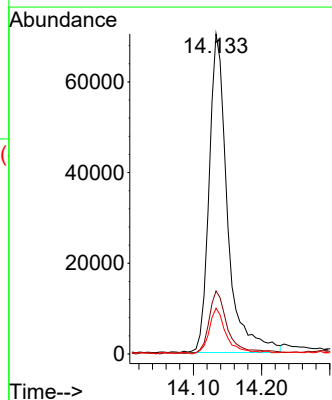
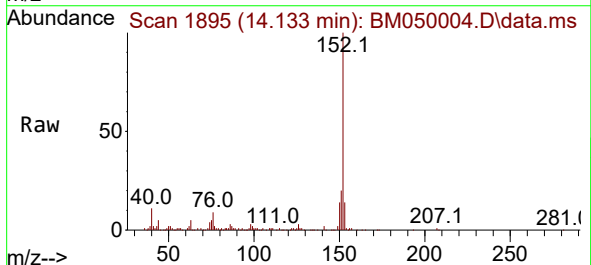
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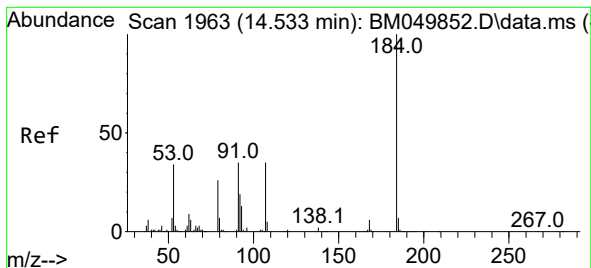
Tgt Ion:172 Resp: 1394426
Ion Ratio Lower Upper
172 100
171 34.8 27.4 41.2
170 23.3 18.6 28.0



#49
Acenaphthylene
Concen: 2.046 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.012 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

Tgt Ion:152 Resp: 131800
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 14.3 10.4 15.6

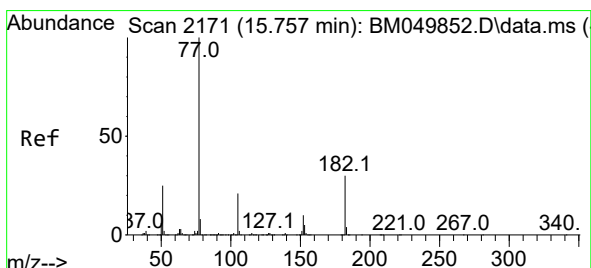
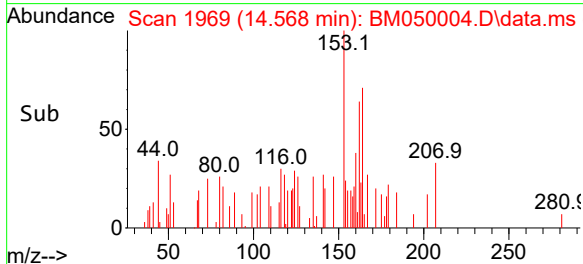
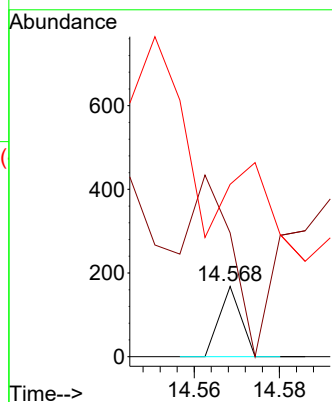
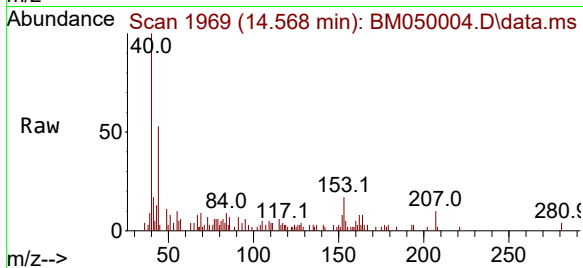




#54
2,4-Dinitrophenol
Concen: 7.231 ng
RT: 14.568 min Scan# 1969
Delta R.T. 0.035 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

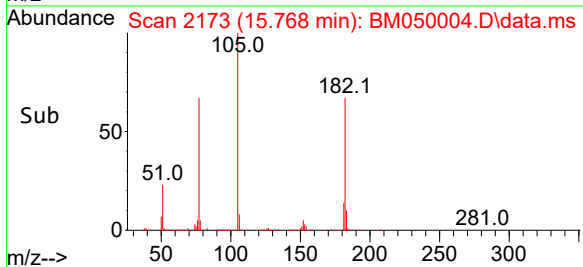
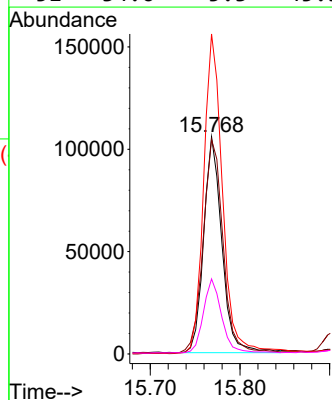
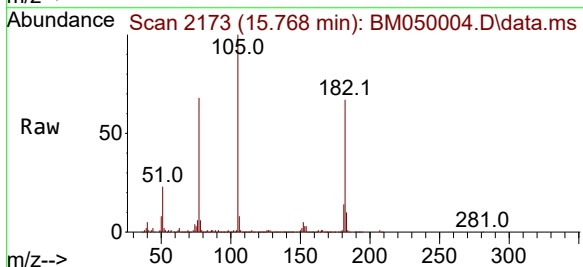
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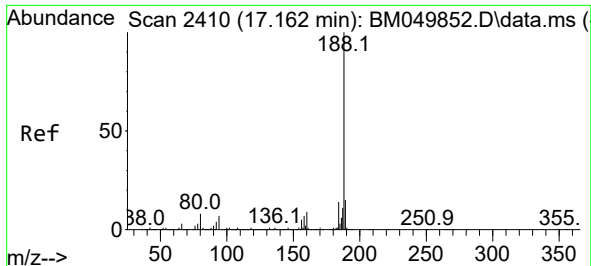
Tgt Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 176.2 38.4 57.6#
154 245.2 48.1 72.1#



#63
Azobenzene
Concen: 3.392 ng
RT: 15.768 min Scan# 2173
Delta R.T. 0.012 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

Tgt Ion: 77 Resp: 148752
Ion Ratio Lower Upper
77 100
182 98.8 10.4 50.4#
105 147.3 1.5 41.5#
51 34.6 5.3 45.3

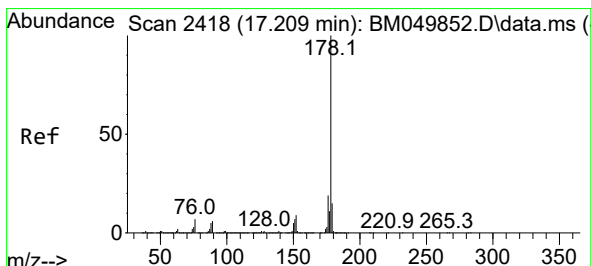
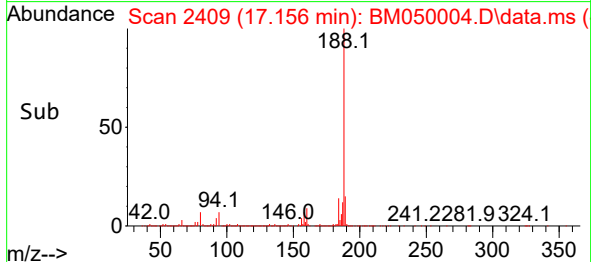
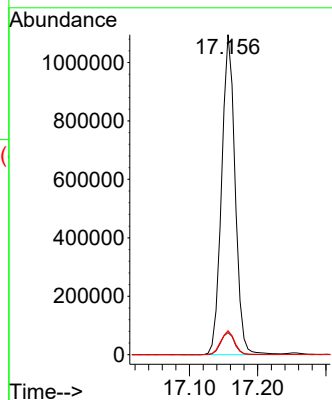
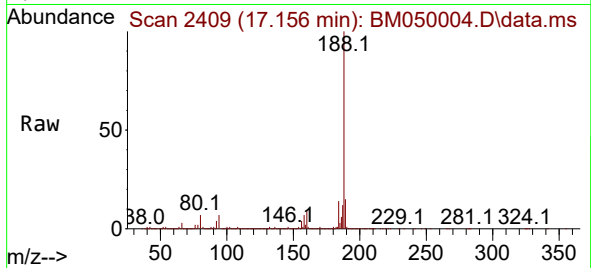




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

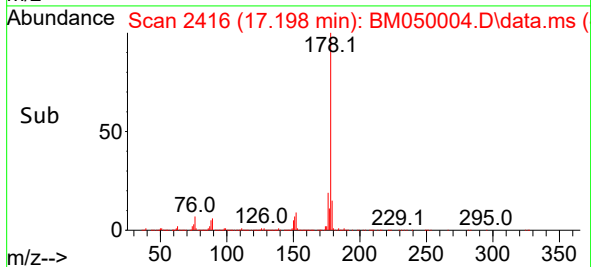
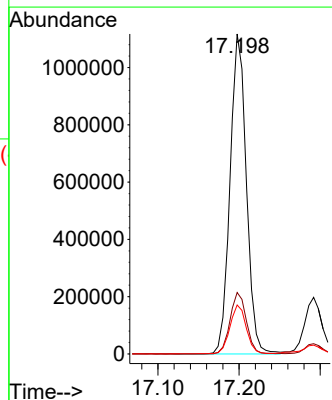
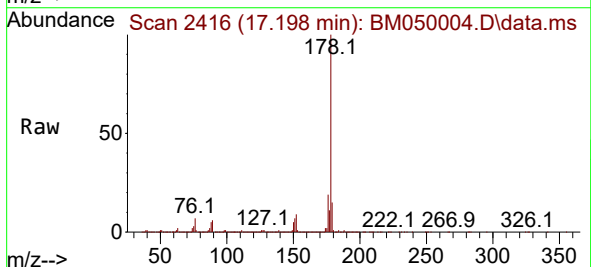
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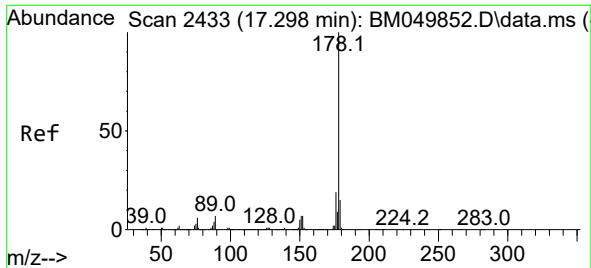
Tgt Ion:188 Resp: 1510967
Ion Ratio Lower Upper
188 100
94 6.9 5.8 8.6
80 7.5 6.4 9.6



#71
Phenanthrene
Concen: 18.815 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.012 min
Lab File: BM050004.D
Acq: 22 Apr 2025 20:24

Tgt Ion:178 Resp: 1558546
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.3 12.3 18.5

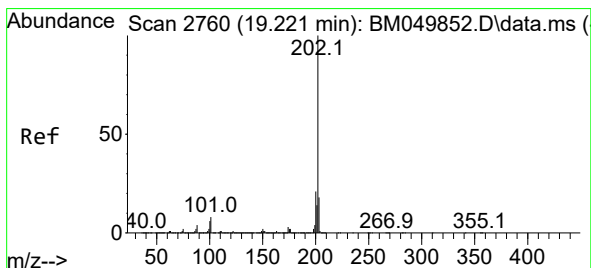
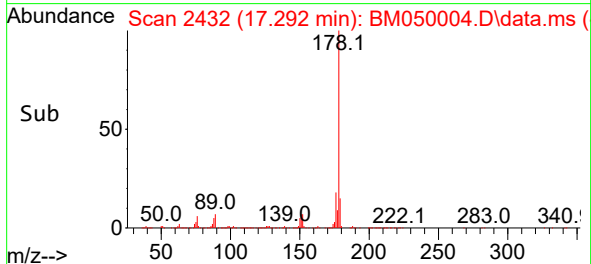
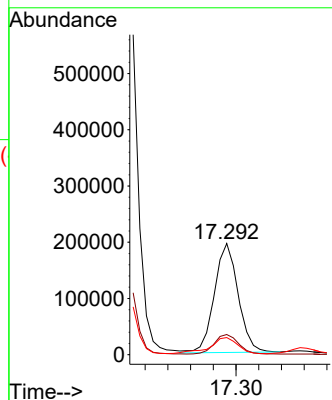
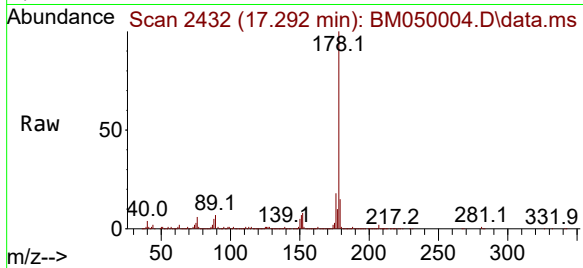




#72
 Anthracene
 Concen: 3.468 ng
 RT: 17.292 min Scan# 2433
 Delta R.T. -0.006 min
 Lab File: BM050004.D
 Acq: 22 Apr 2025 20:24

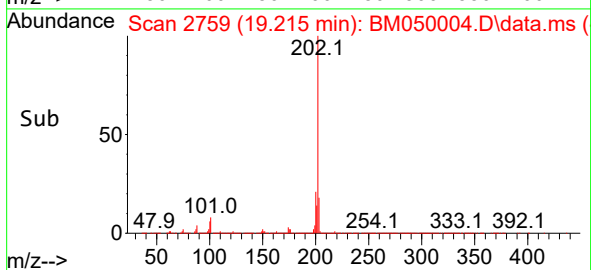
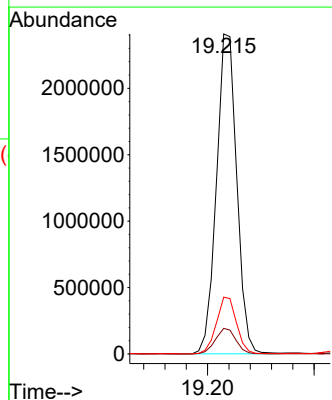
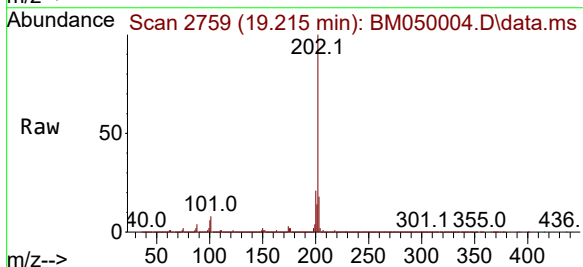
Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-13

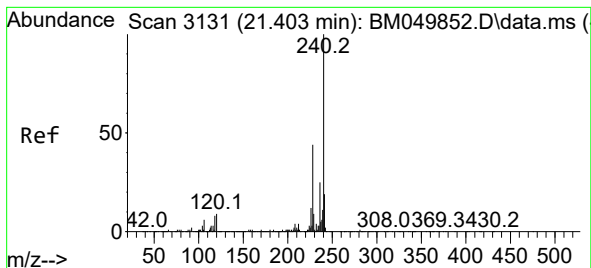
Tgt Ion:178 Resp: 283107
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.1 22.7
 179 15.5 12.4 18.6



#75
 Fluoranthene
 Concen: 31.271 ng
 RT: 19.215 min Scan# 2759
 Delta R.T. -0.006 min
 Lab File: BM050004.D
 Acq: 22 Apr 2025 20:24

Tgt Ion:202 Resp: 3185026
 Ion Ratio Lower Upper
 202 100
 101 8.0 0.0 28.4
 203 17.8 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: BM050004.D

Acq: 22 Apr 2025 20:24

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-13

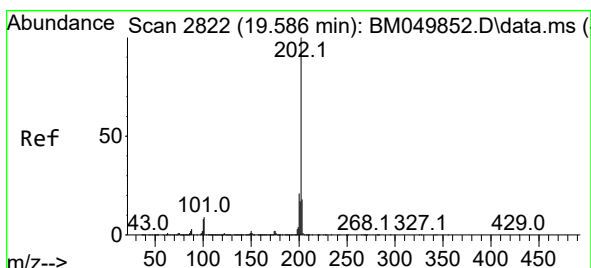
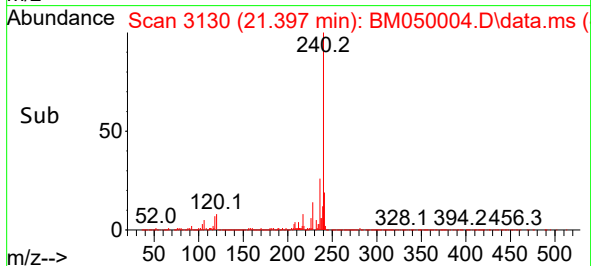
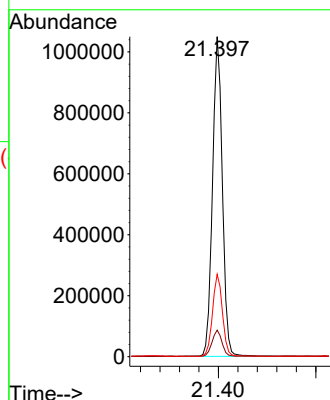
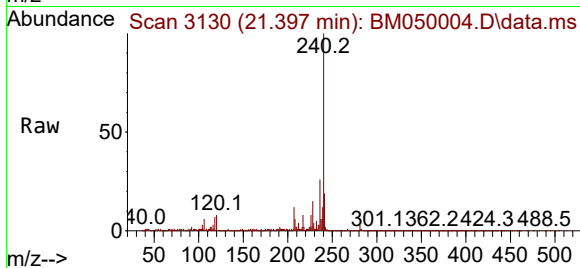
Tgt Ion:240 Resp: 1462449

Ion Ratio Lower Upper

240 100

120 8.3 6.9 10.3

236 25.8 20.4 30.6



#78

Pyrene

Concen: 26.684 ng

RT: 19.580 min Scan# 2821

Delta R.T. -0.006 min

Lab File: BM050004.D

Acq: 22 Apr 2025 20:24

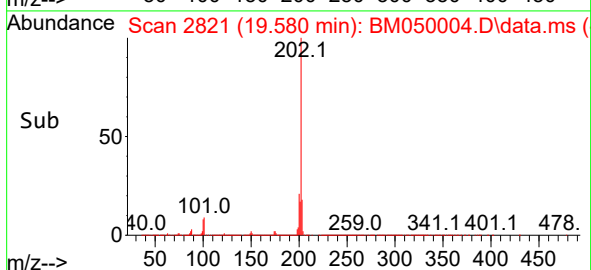
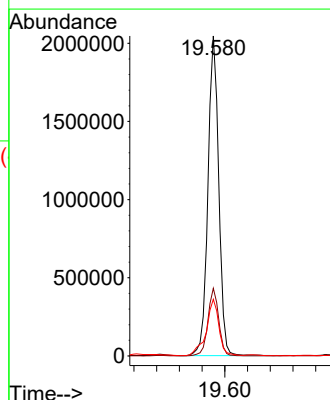
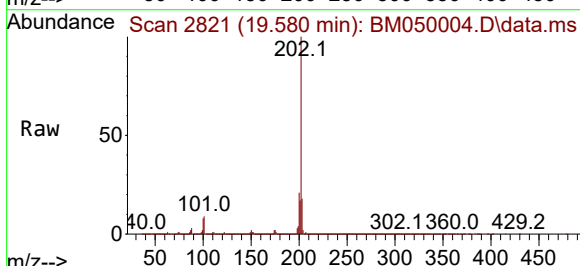
Tgt Ion:202 Resp: 2689447

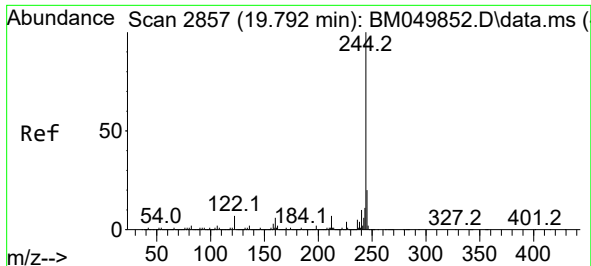
Ion Ratio Lower Upper

202 100

200 21.2 16.5 24.7

203 17.7 14.0 21.0

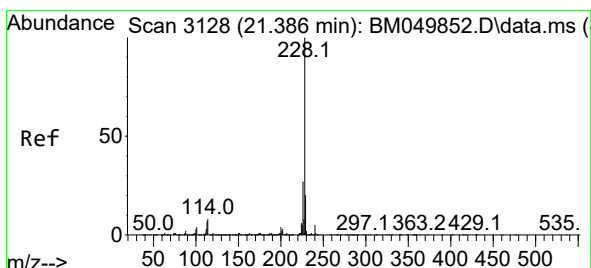
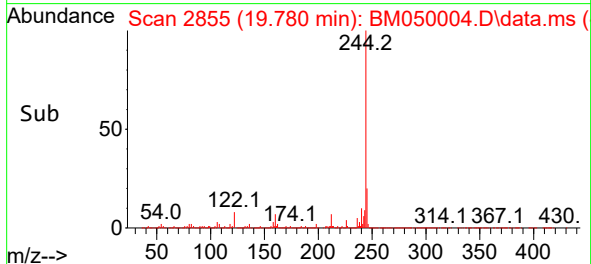
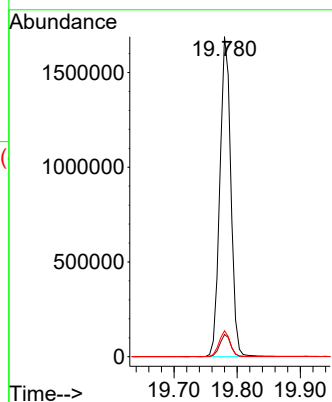
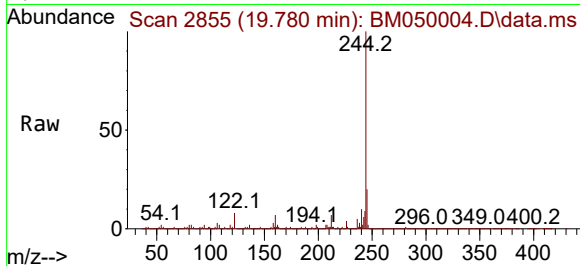




#79
 Terphenyl-d14
 Concen: 26.189 ng
 RT: 19.780 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050004.D
 Acq: 22 Apr 2025 20:24

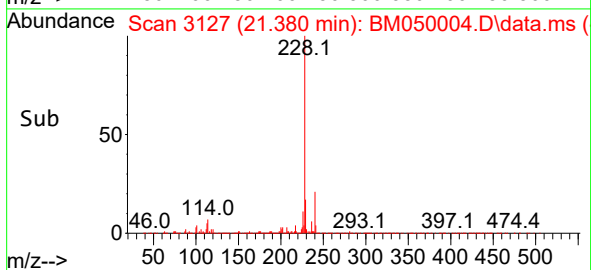
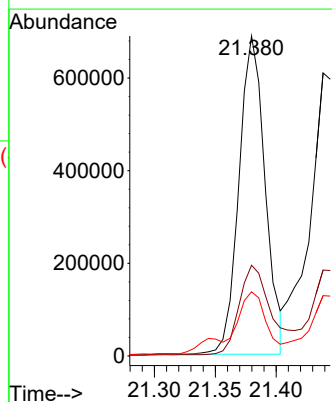
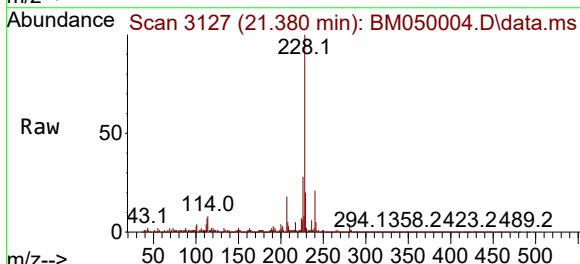
Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-13

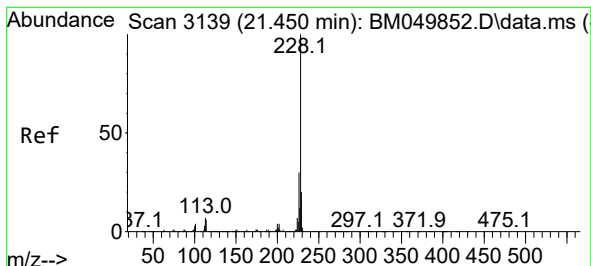
Tgt Ion:244 Resp: 2043720
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 8.1 5.4 8.0#



#81
 Benzo(a)anthracene
 Concen: 10.572 ng
 RT: 21.380 min Scan# 3127
 Delta R.T. -0.006 min
 Lab File: BM050004.D
 Acq: 22 Apr 2025 20:24

Tgt Ion:228 Resp: 1027496
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.8 32.8
 229 20.1 15.8 23.8





#83

Chrysene

Concen: 10.694 ng

RT: 21.439 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM050004.D

Acq: 22 Apr 2025 20:24

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-13

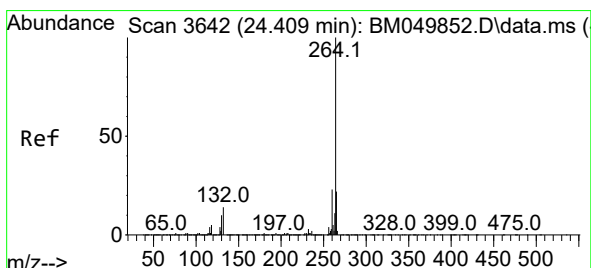
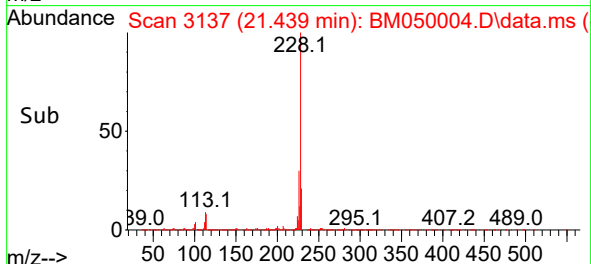
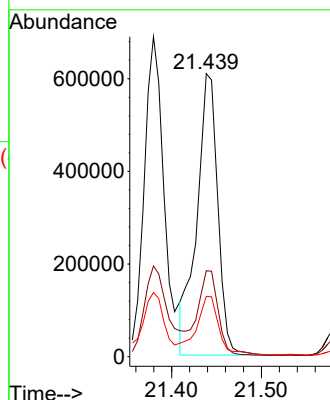
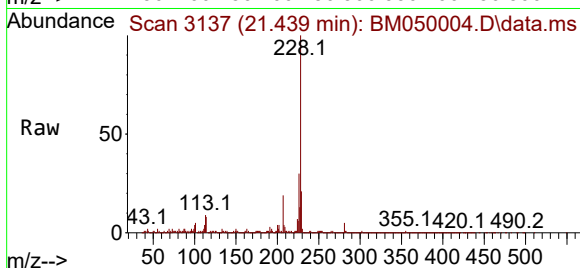
Tgt Ion:228 Resp: 988119

Ion Ratio Lower Upper

228 100

226 30.4 24.1 36.1

229 21.3 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.403 min Scan# 3641

Delta R.T. -0.006 min

Lab File: BM050004.D

Acq: 22 Apr 2025 20:24

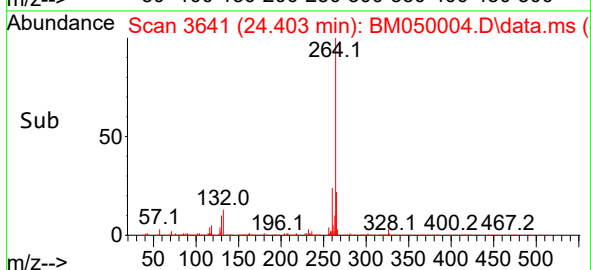
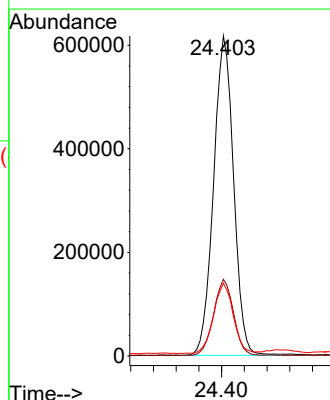
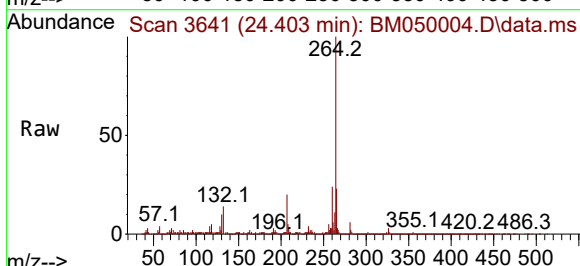
Tgt Ion:264 Resp: 1508528

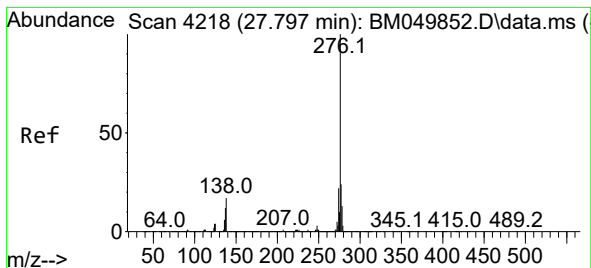
Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 22.7 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.358 ng

RT: 27.797 min Scan# 4218

Delta R.T. -0.000 min

Lab File: BM050004.D

Acq: 22 Apr 2025 20:24

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-13

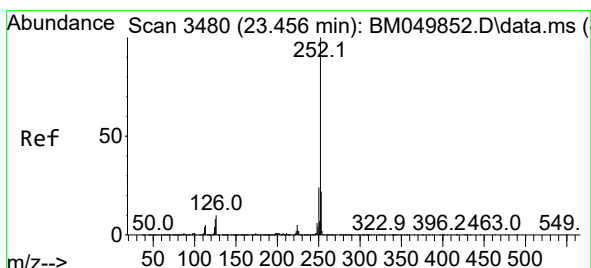
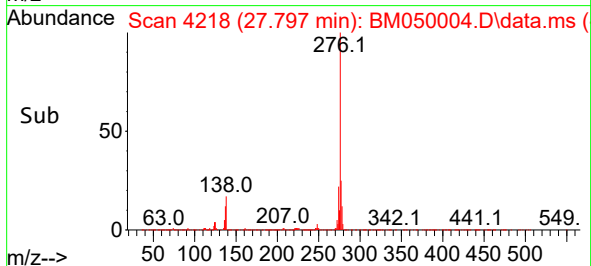
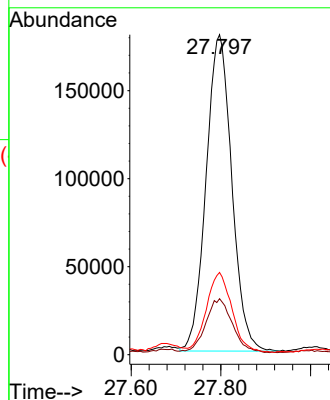
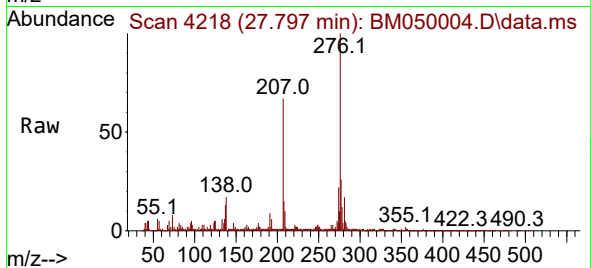
Tgt Ion:276 Resp: 714947

Ion Ratio Lower Upper

276 100

138 17.6 16.8 25.2

277 25.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 14.749 ng

RT: 23.456 min Scan# 3480

Delta R.T. -0.000 min

Lab File: BM050004.D

Acq: 22 Apr 2025 20:24

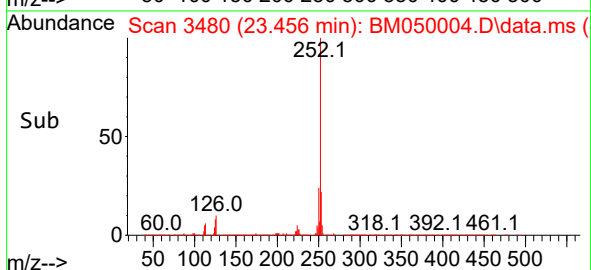
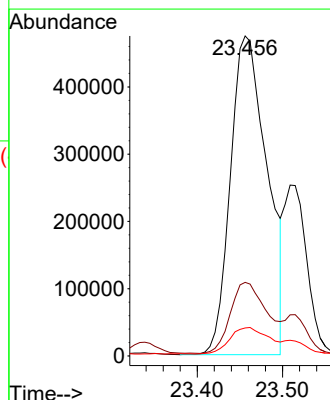
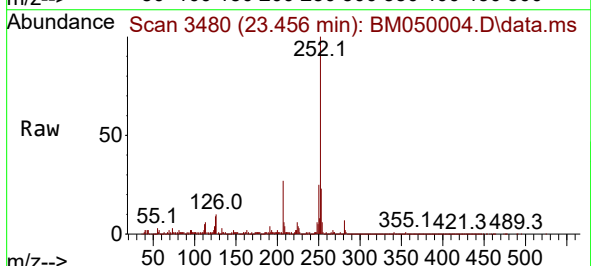
Tgt Ion:252 Resp: 1421001

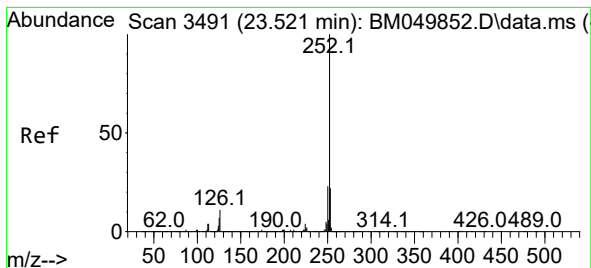
Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 8.8 6.2 9.4





#89

Benzo(k)fluoranthene

Concen: 15.220 ng

RT: 23.456 min Scan# 34

Delta R.T. -0.065 min

Lab File: BM050004.D

Acq: 22 Apr 2025 20:24

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-13

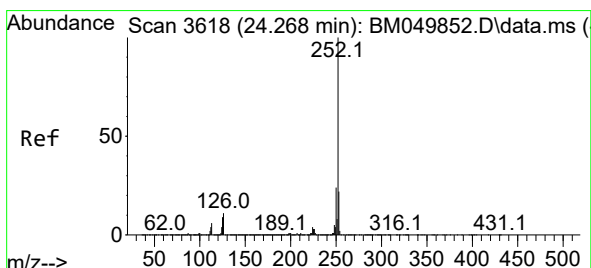
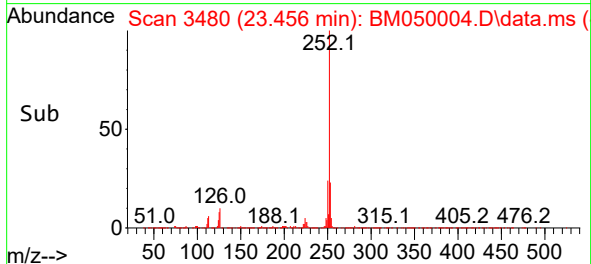
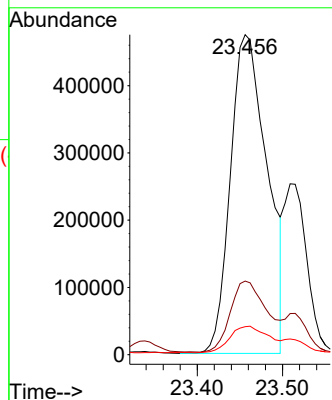
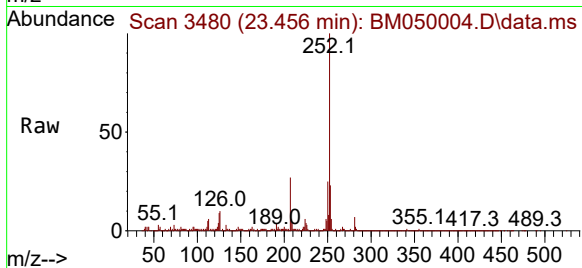
Tgt Ion:252 Resp: 1421001

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

125 8.8 5.8 8.8#



#90

Benzo(a)pyrene

Concen: 11.644 ng

RT: 24.262 min Scan# 3617

Delta R.T. -0.006 min

Lab File: BM050004.D

Acq: 22 Apr 2025 20:24

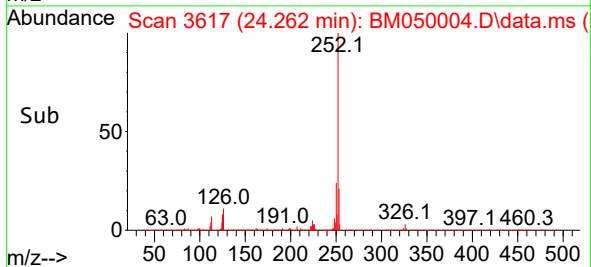
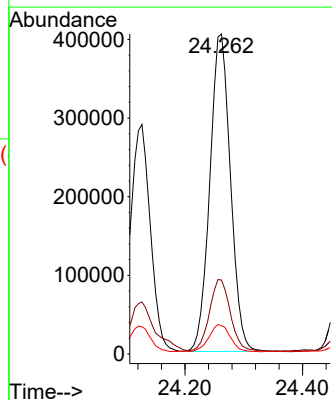
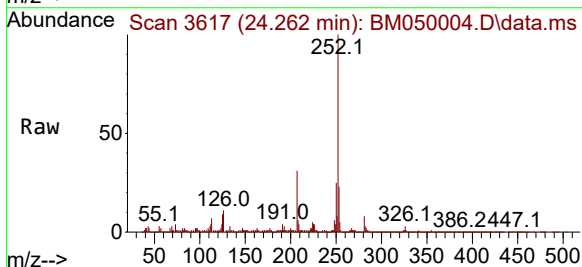
Tgt Ion:252 Resp: 985748

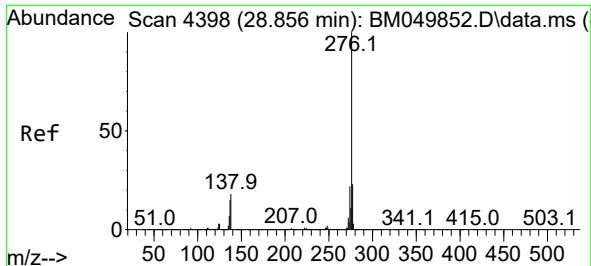
Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

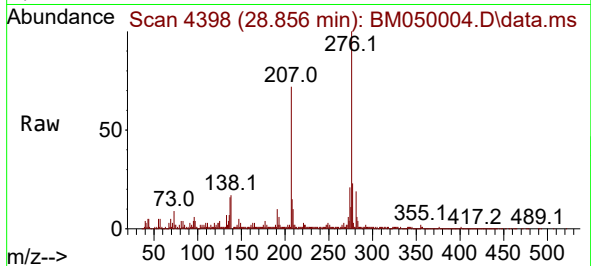
125 8.8 7.0 10.4





#92
 Benzo(g,h,i)perylene
 Concen: 7.800 ng
 RT: 28.856 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: BM050004.D
 Acq: 22 Apr 2025 20:24

Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-13



Tgt Ion:276 Resp: 738261
 Ion Ratio Lower Upper
 276 100
 277 23.4 18.7 28.1
 138 17.0 14.6 21.8

