

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
 Data File : BM050017.D
 Acq On : 23 Apr 2025 17:14
 Operator : RC/JU
 Sample : Q1858-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COMP-3

Quant Time: Apr 23 17:58:35 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)

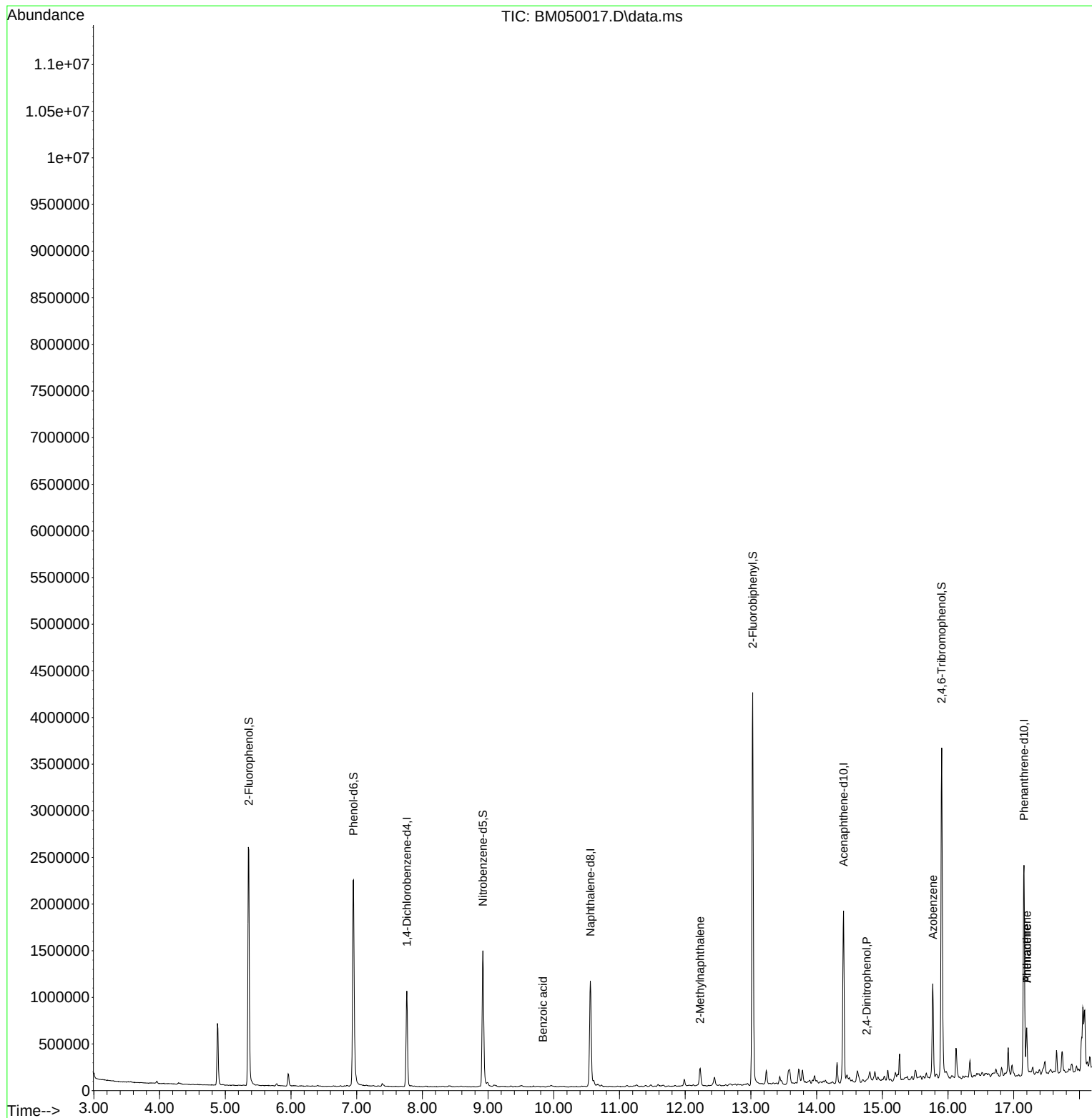
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	296499	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	1032150	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	691467	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1437933	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1425719	20.000	ng	0.00
86) Perylene-d12	24.397	264	1479401	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1231995	70.557	ng	0.00
7) Phenol-d6	6.951	99	1535453	70.678	ng	0.00
23) Nitrobenzene-d5	8.922	82	922668	49.779	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	769443	76.503	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	2409716	47.256	ng	-0.02
79) Terphenyl-d14	19.780	244	4113680	54.073	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.833	122	56	8.542	ng	# 1
37) 2-Methylnaphthalene	12.227	142	106654	2.854	ng	99
54) 2,4-Dinitrophenol	14.763	184	55	7.231	ng	# 1
63) Azobenzene	15.768	77	283185	7.070	ng	# 1
71) Phenanthrene	17.198	178	319402	4.052	ng	100
72) Anthracene	17.198	178	319402	4.111	ng	99
78) Pyrene	19.580	202	248972	2.534	ng	98

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

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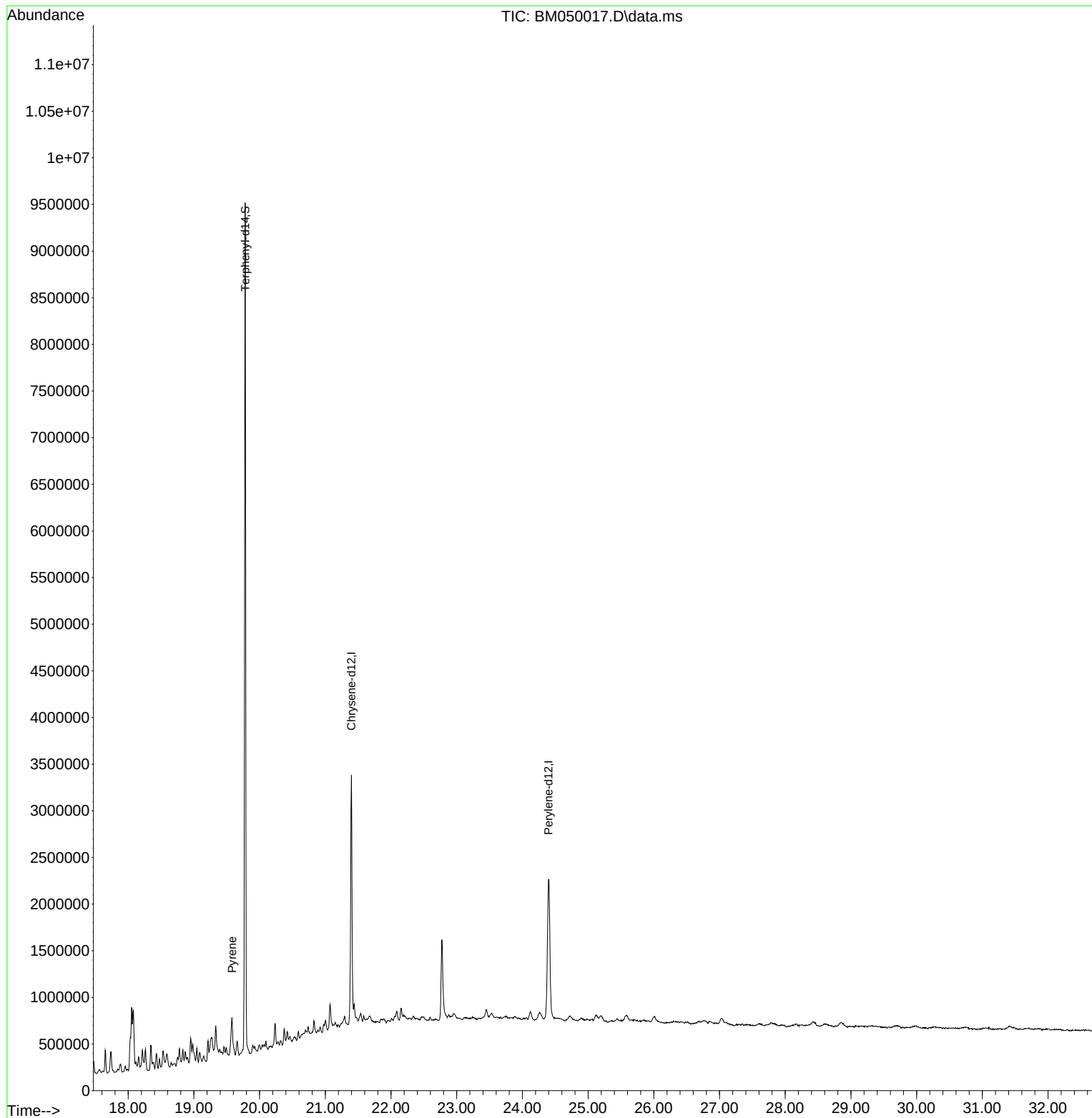
Quant Time: Apr 23 17:58:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

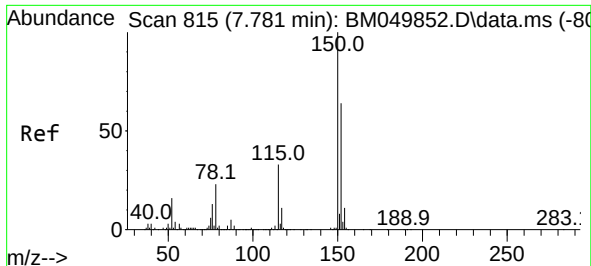


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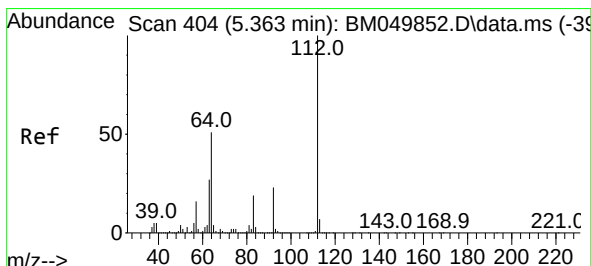
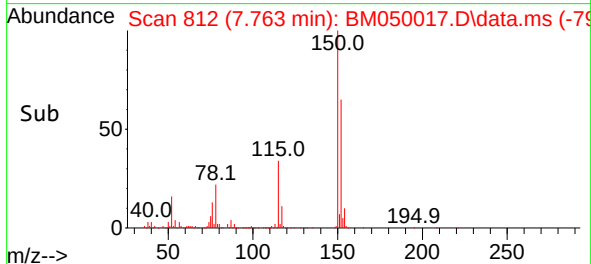
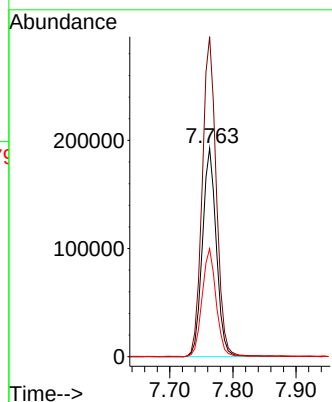
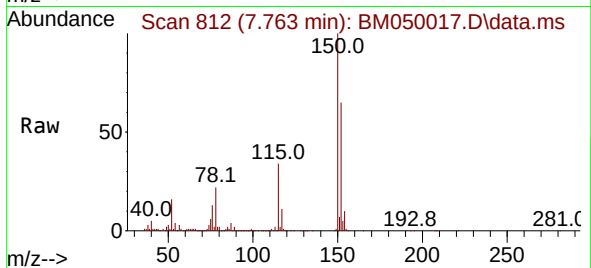




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

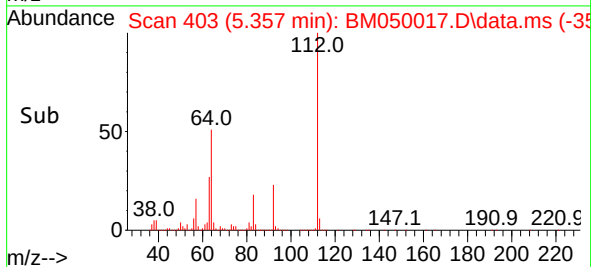
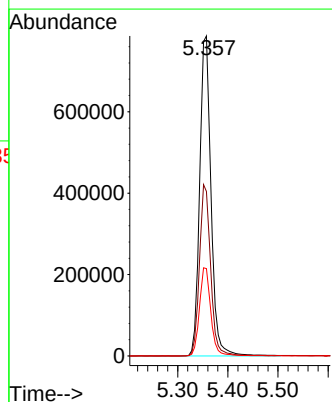
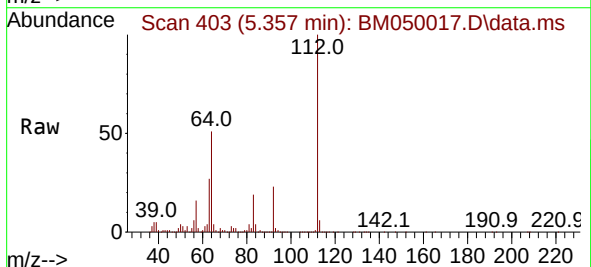
Instrument :
BNA_M
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COMP-3

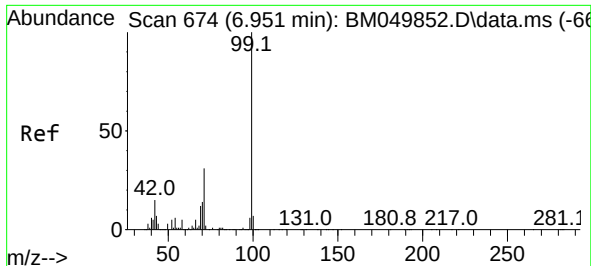
Tgt Ion:152 Resp: 296499
Ion Ratio Lower Upper
152 100
150 153.5 124.3 186.5
115 51.8 41.1 61.7



#5
2-Fluorophenol
Concen: 70.557 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Tgt Ion:112 Resp: 1231995
Ion Ratio Lower Upper
112 100
64 51.4 41.0 61.6
63 27.3 21.5 32.3

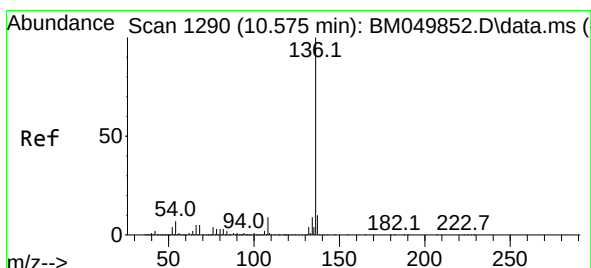
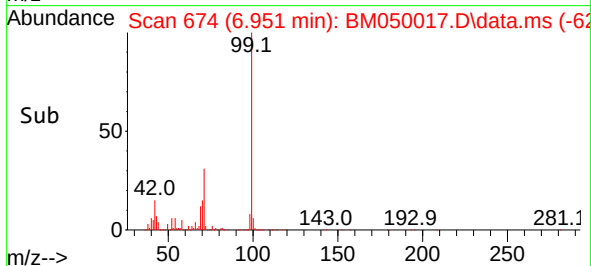
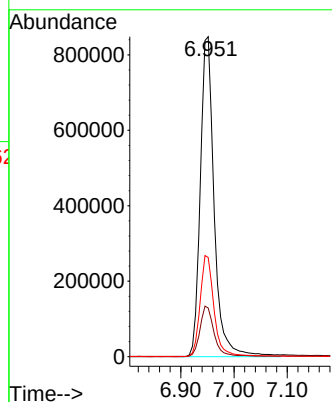
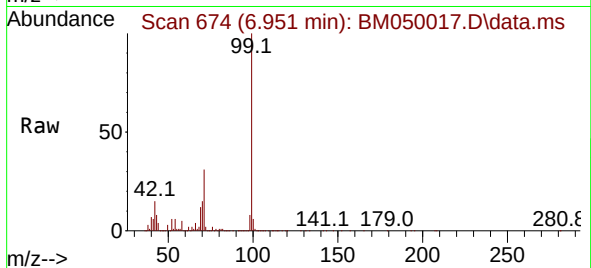




#7
Phenol-d6
Concen: 70.678 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

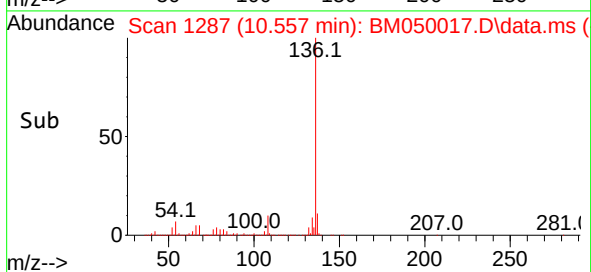
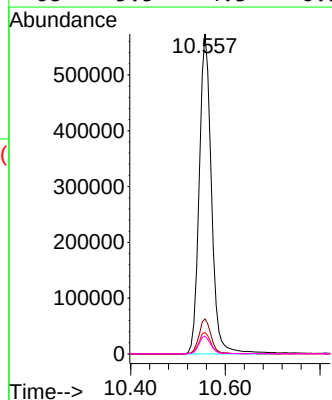
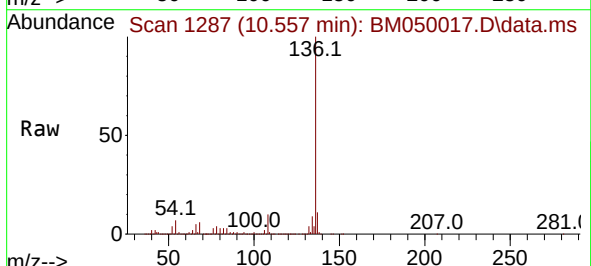
Instrument :
BNA_M
ClientSampleId :
COMP-3

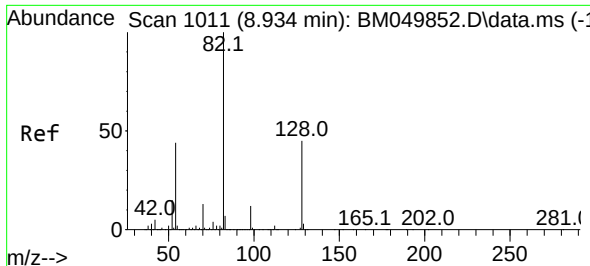
Tgt Ion: 99 Resp: 1535453
Ion Ratio Lower Upper
99 100
42 15.2 12.1 18.1
71 31.0 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Tgt Ion: 136 Resp: 1032150
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 6.7 5.3 7.9
68 5.5 4.3 6.5

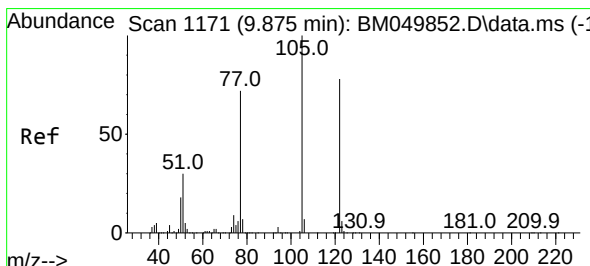
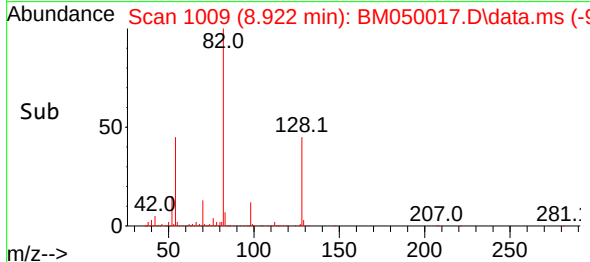
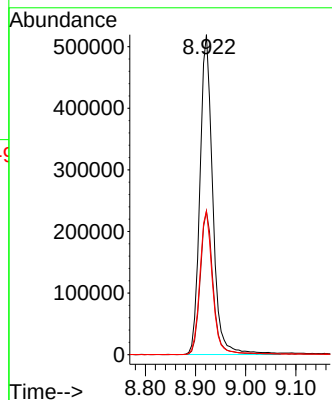
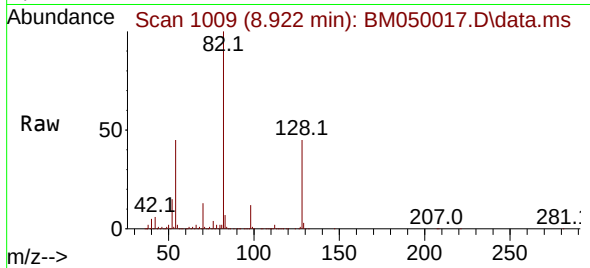




#23
Nitrobenzene-d5
Concen: 49.779 ng
RT: 8.922 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

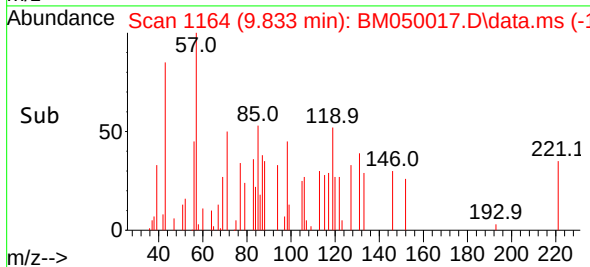
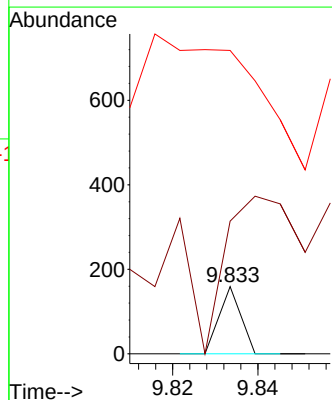
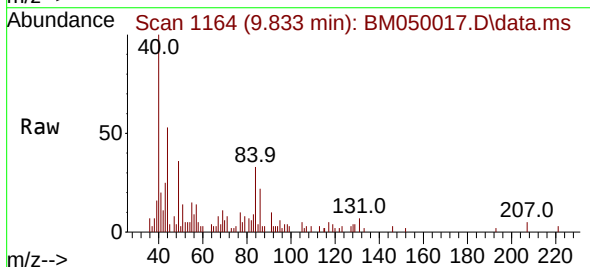
Instrument :
BNA_M
ClientSampleId :
COMP-3

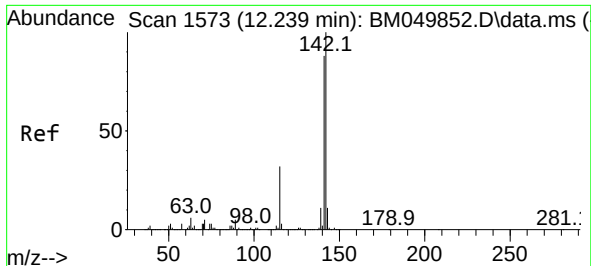
Tgt Ion: 82 Resp: 922668
Ion Ratio Lower Upper
82 100
128 44.8 36.2 54.2
54 44.9 35.0 52.6



#32
Benzoic acid
Concen: 8.542 ng
RT: 9.833 min Scan# 1164
Delta R.T. -0.042 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 197.5 103.8 143.8#
77 451.6 70.7 110.7#

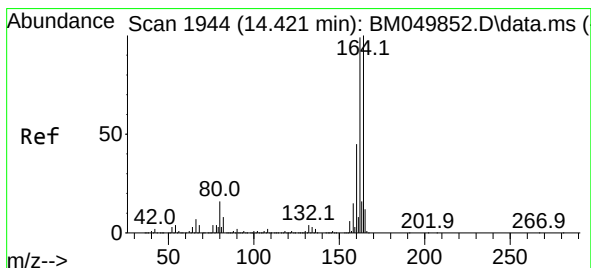
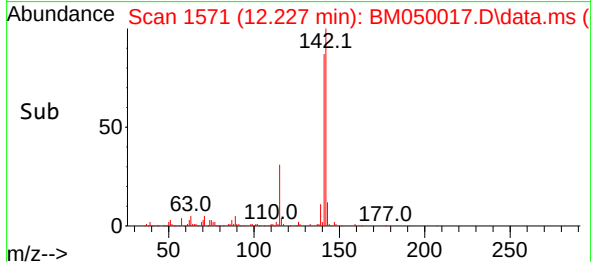
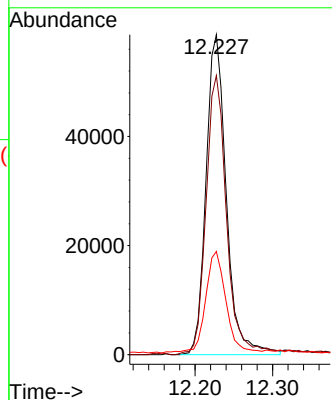
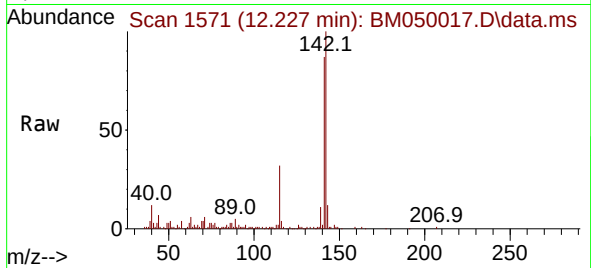




#37
2-Methylnaphthalene
Concen: 2.854 ng
RT: 12.227 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

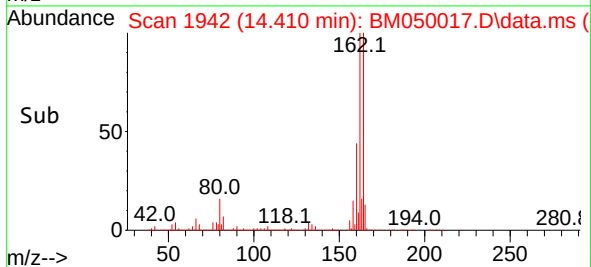
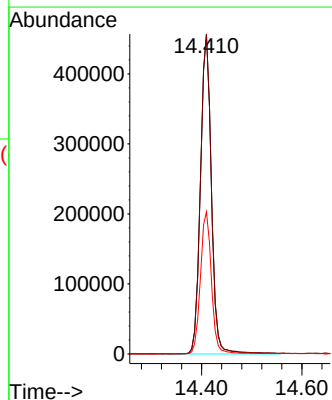
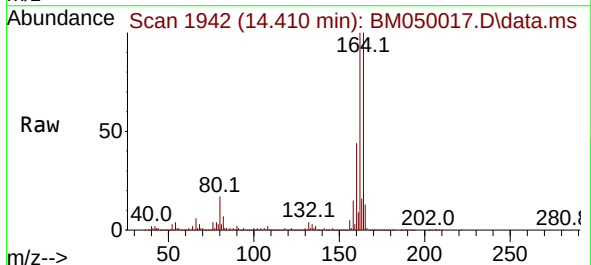
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ClientSampleId :
COMP-3

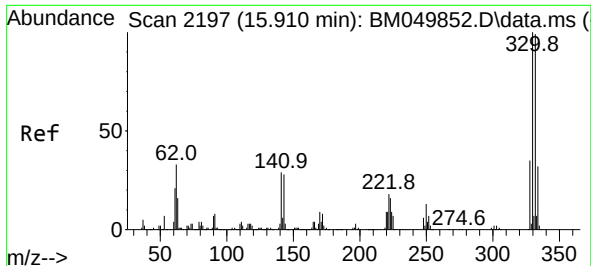
Tgt Ion:142 Resp: 106654
Ion Ratio Lower Upper
142 100
141 87.2 70.2 105.2
115 32.3 25.4 38.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Tgt Ion:164 Resp: 691467
Ion Ratio Lower Upper
164 100
162 100.1 79.4 119.0
160 44.5 36.2 54.2

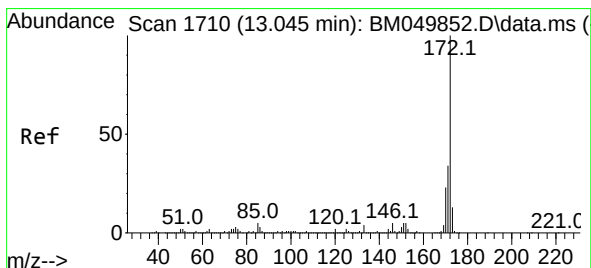
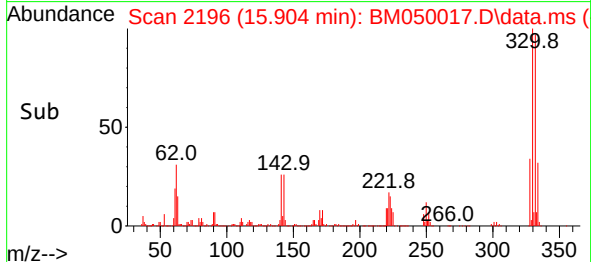
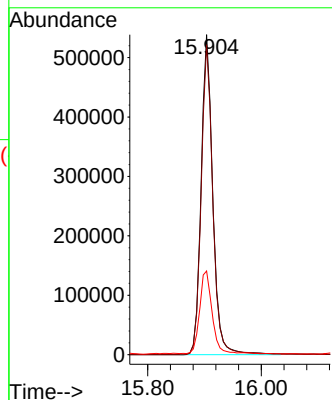
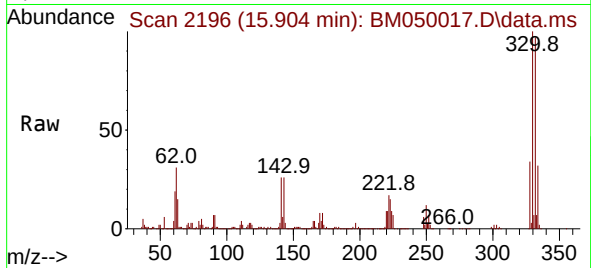




#42
2,4,6-Tribromophenol
Concen: 76.503 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

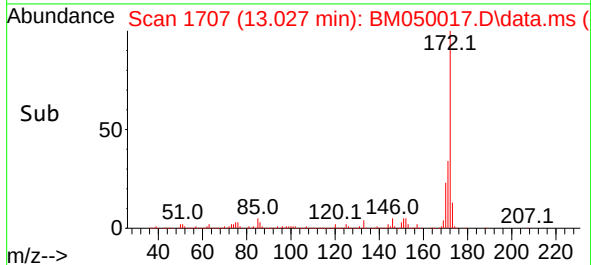
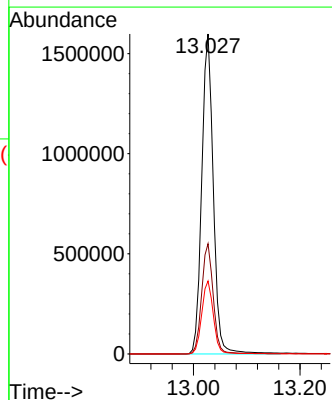
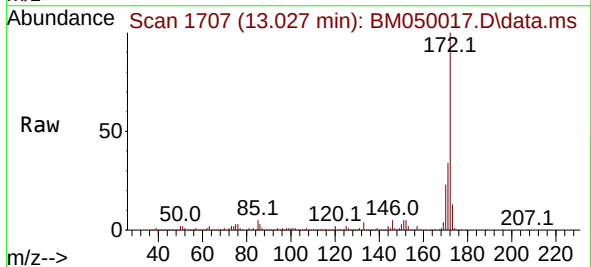
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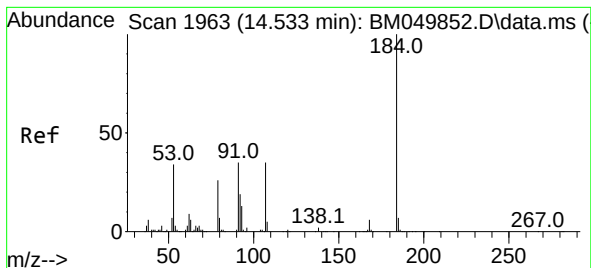
Tgt Ion:330 Resp: 769443
Ion Ratio Lower Upper
330 100
332 96.8 78.0 117.0
141 27.6 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 47.256 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.018 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Tgt Ion:172 Resp: 2409716
Ion Ratio Lower Upper
172 100
171 34.5 27.4 41.2
170 22.8 18.6 28.0

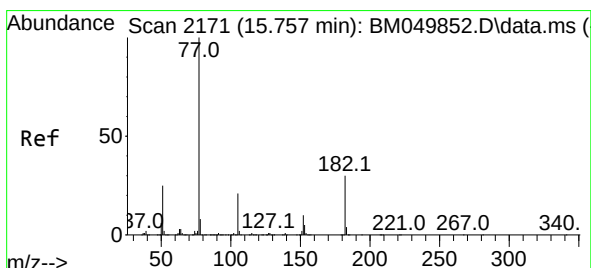
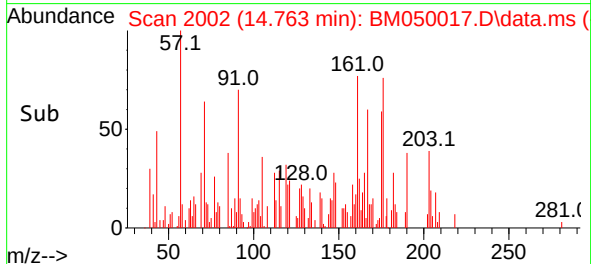
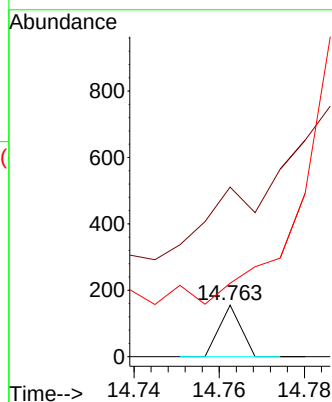
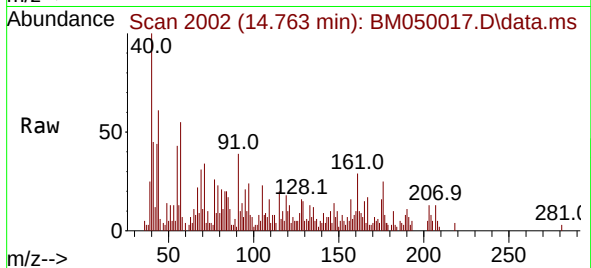




#54
2,4-Dinitrophenol
Concen: 7.231 ng
RT: 14.763 min Scan# 20
Delta R.T. 0.230 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

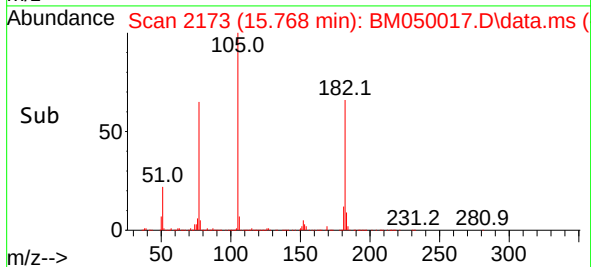
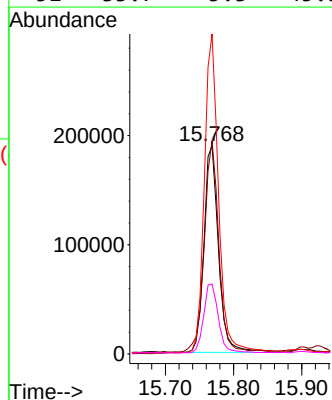
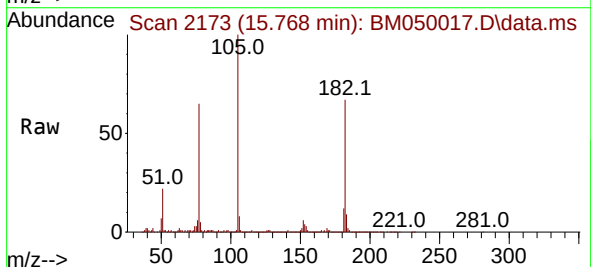
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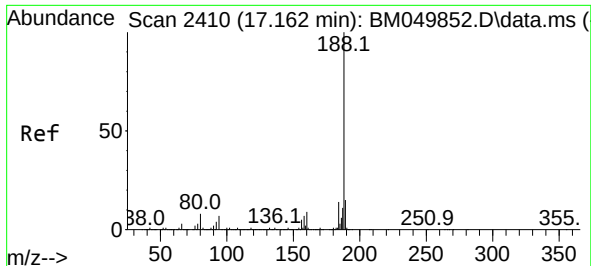
Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 329.7 38.4 57.6#
154 142.6 48.1 72.1#



#63
Azobenzene
Concen: 7.070 ng
RT: 15.768 min Scan# 2173
Delta R.T. 0.012 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Tgt Ion: 77 Resp: 283185
Ion Ratio Lower Upper
77 100
182 102.3 10.4 50.4#
105 153.7 1.5 41.5#
51 33.7 5.3 45.3

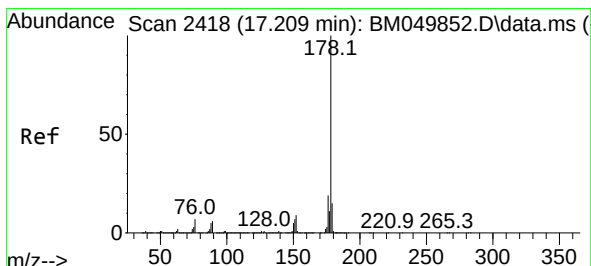
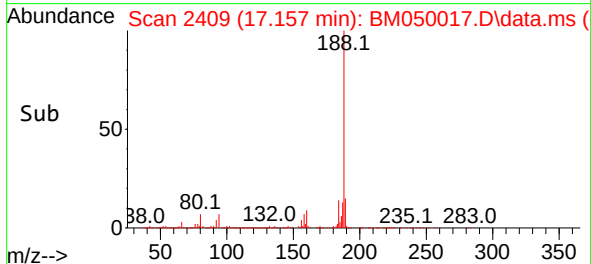
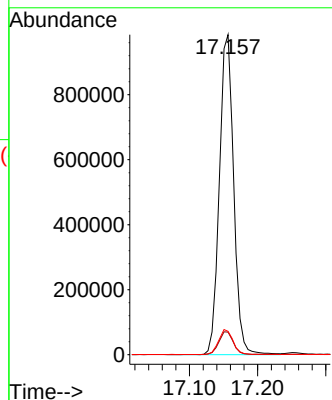
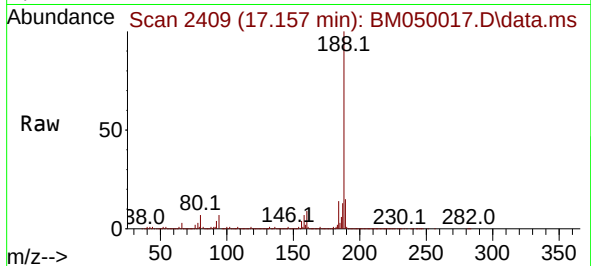




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

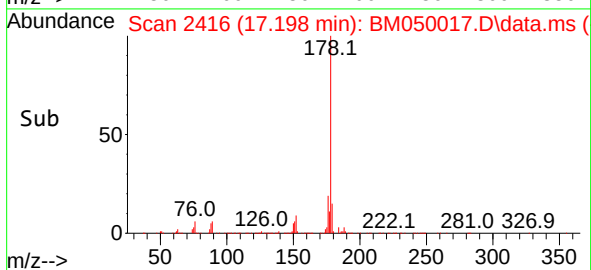
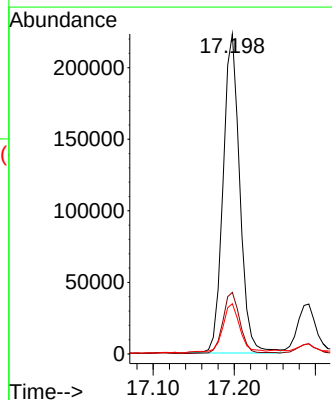
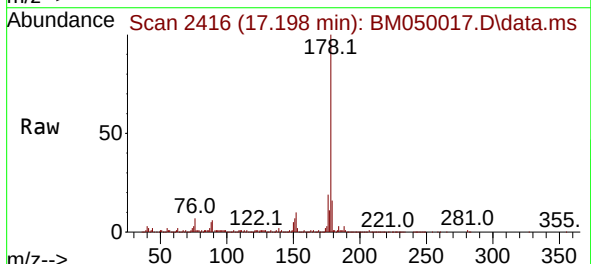
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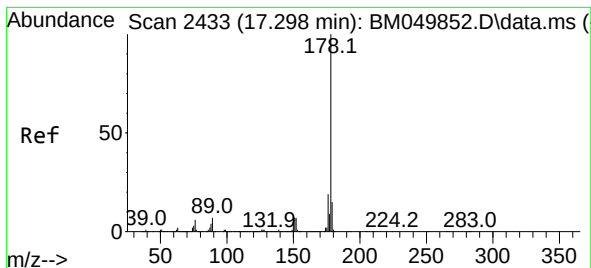
Tgt Ion:188 Resp: 1437933
Ion Ratio Lower Upper
188 100
94 7.1 5.8 8.6
80 7.3 6.4 9.6



#71
Phenanthrene
Concen: 4.052 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.012 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Tgt Ion:178 Resp: 319402
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.7 12.3 18.5





#72

Anthracene

Concen: 4.111 ng

RT: 17.198 min Scan# 24

Delta R.T. -0.100 min

Lab File: BM050017.D

Acq: 23 Apr 2025 17:14

Instrument :

BNA_M

ClientSampleId :

COMP-3

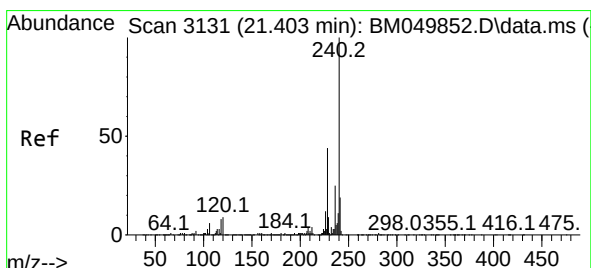
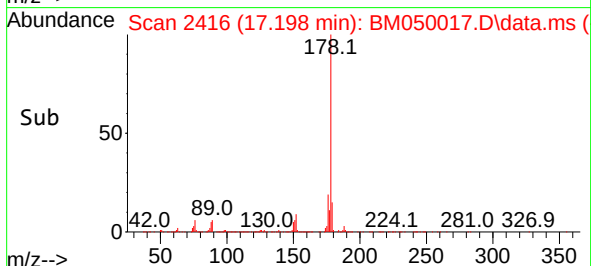
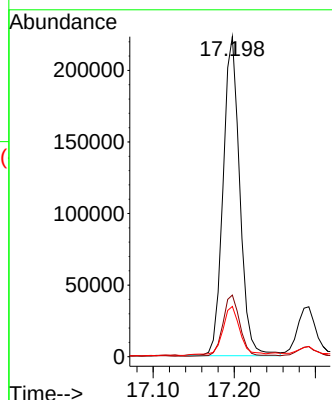
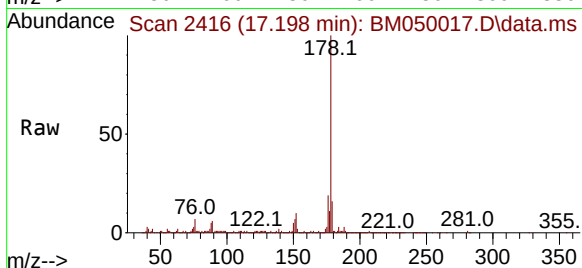
Tgt Ion:178 Resp: 319402

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

179 15.7 12.4 18.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.397 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BM050017.D

Acq: 23 Apr 2025 17:14

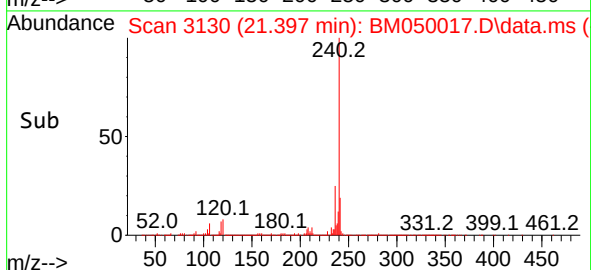
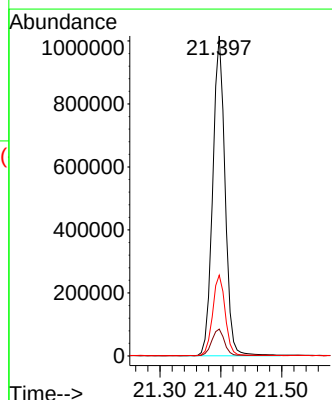
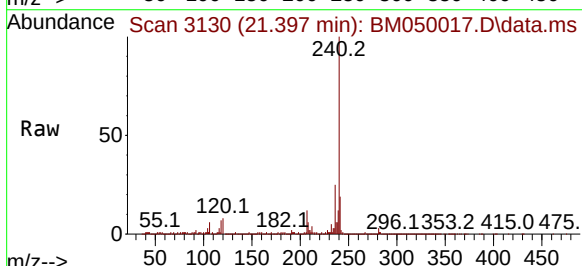
Tgt Ion:240 Resp: 1425719

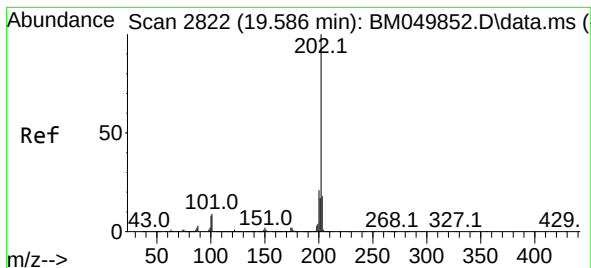
Ion Ratio Lower Upper

240 100

120 8.4 6.9 10.3

236 25.3 20.4 30.6





#78

Pyrene

Concen: 2.534 ng

RT: 19.580 min Scan# 2822

Delta R.T. -0.006 min

Lab File: BM050017.D

Acq: 23 Apr 2025 17:14

Instrument :

BNA_M

ClientSampleId :

COMP-3

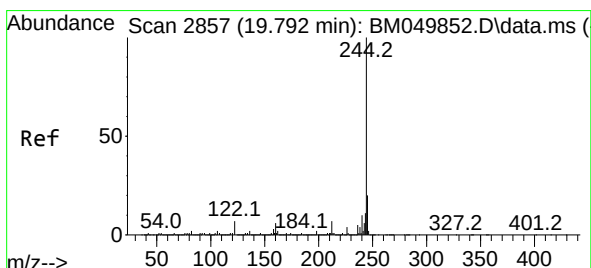
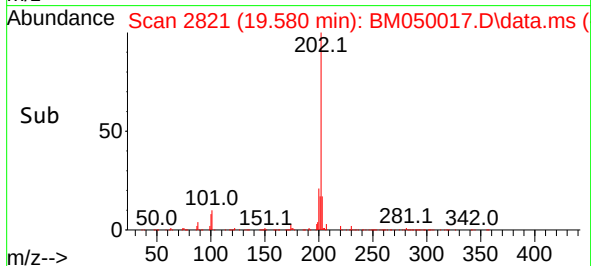
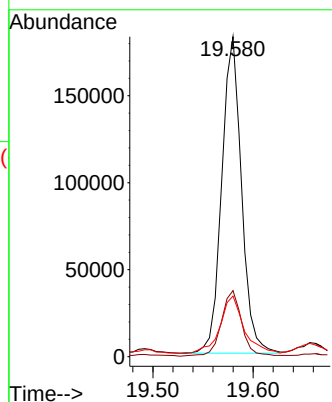
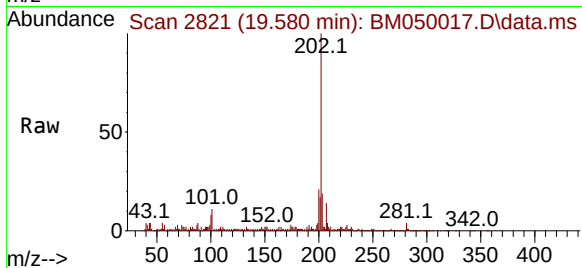
Tgt Ion:202 Resp: 248972

Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

203 19.0 14.0 21.0



#79

Terphenyl-d14

Concen: 54.073 ng

RT: 19.780 min Scan# 2855

Delta R.T. -0.012 min

Lab File: BM050017.D

Acq: 23 Apr 2025 17:14

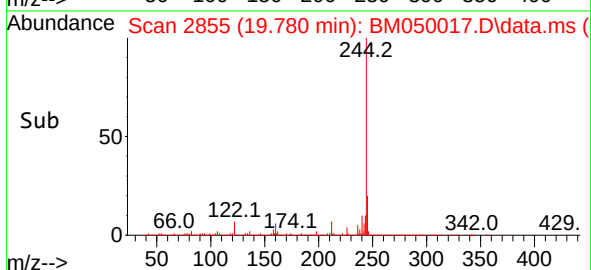
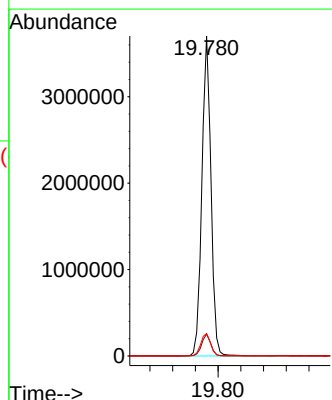
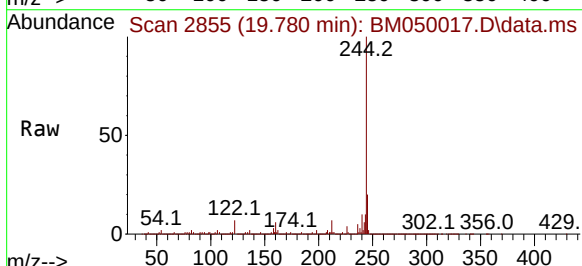
Tgt Ion:244 Resp: 4113680

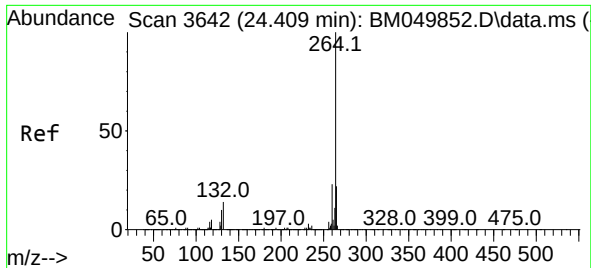
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 7.0 5.4 8.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.397 min Scan# 30
 Delta R.T. -0.012 min
 Lab File: BM050017.D
 Acq: 23 Apr 2025 17:14

Instrument :
 BNA_M
 ClientSampleId :
 COMP-3

Tgt Ion:264 Resp: 1479401
 Ion Ratio Lower Upper
 264 100
 260 24.6 18.6 28.0
 265 22.4 17.8 26.8

