

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
 Data File : BM049867.D
 Acq On : 09 Apr 2025 14:26
 Operator : RC/JU
 Sample : Q1742-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TR-06-040725

Quant Time: Apr 09 15:01:11 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)

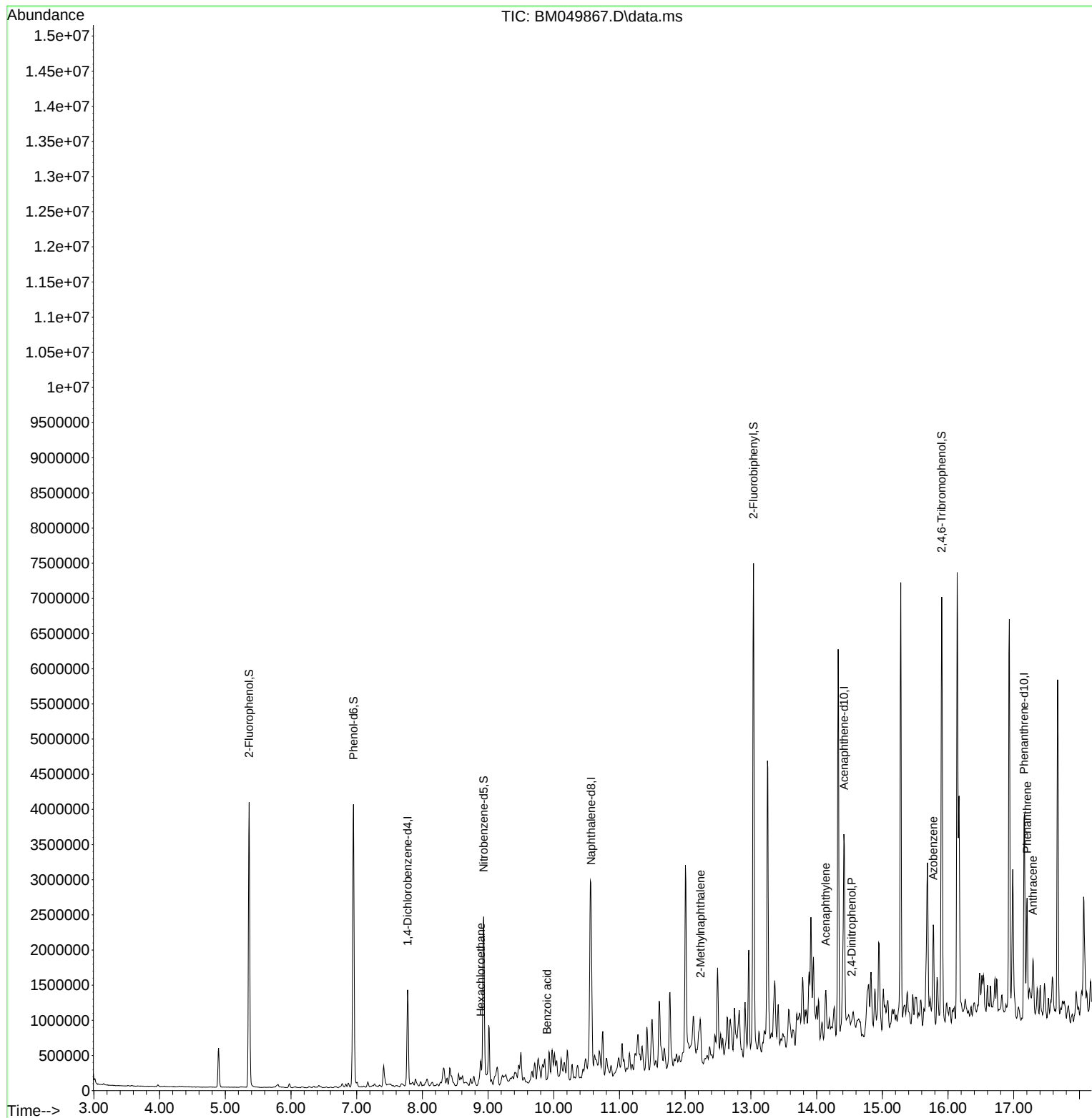
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	375187	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1350767	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	874026	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1723726	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1742922	20.000	ng	0.00
86) Perylene-d12	24.397	264	1859477	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1820043	82.374	ng	0.00
7) Phenol-d6	6.951	99	2348395	85.427	ng	0.00
23) Nitrobenzene-d5	8.934	82	1373907	56.639	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1119704	88.075	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	3647435	56.588	ng	0.00
79) Terphenyl-d14	19.786	244	5213913	56.062	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	8.887	117	28668	3.059	ng	# 1
32) Benzoic acid	9.898	122	304	8.553	ng	# 19
37) 2-Methylnaphthalene	12.233	142	121128	2.477	ng	# 96
49) Acenaphthylene	14.139	152	522110	7.019	ng	97
54) 2,4-Dinitrophenol	14.533	184	509	7.274	ng	# 1
63) Azobenzene	15.774	77	243657	4.813	ng	# 1
71) Phenanthrene	17.204	178	1002906	10.613	ng	99
72) Anthracene	17.292	178	541447	5.814	ng	98
75) Fluoranthene	19.221	202	2887322	24.849	ng	99
78) Pyrene	19.580	202	2857374	23.788	ng	99
81) Benzo(a)anthracene	21.380	228	1852604	15.994	ng	95
83) Chrysene	21.439	228	1821392	16.539	ng	98
87) Indeno(1,2,3-cd)pyrene	27.785	276	1469131	10.599	ng	97
88) Benzo(b)fluoranthene	23.450	252	2892739	24.358	ng	98
89) Benzo(k)fluoranthene	23.450	252	2892739	25.136	ng	97
90) Benzo(a)pyrene	24.256	252	1969921	18.877	ng	99
91) Dibenzo(a,h)anthracene	27.826	278	370341	3.244	ng	# 86
92) Benzo(g,h,i)perylene	28.838	276	1487989	12.754	ng	97

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

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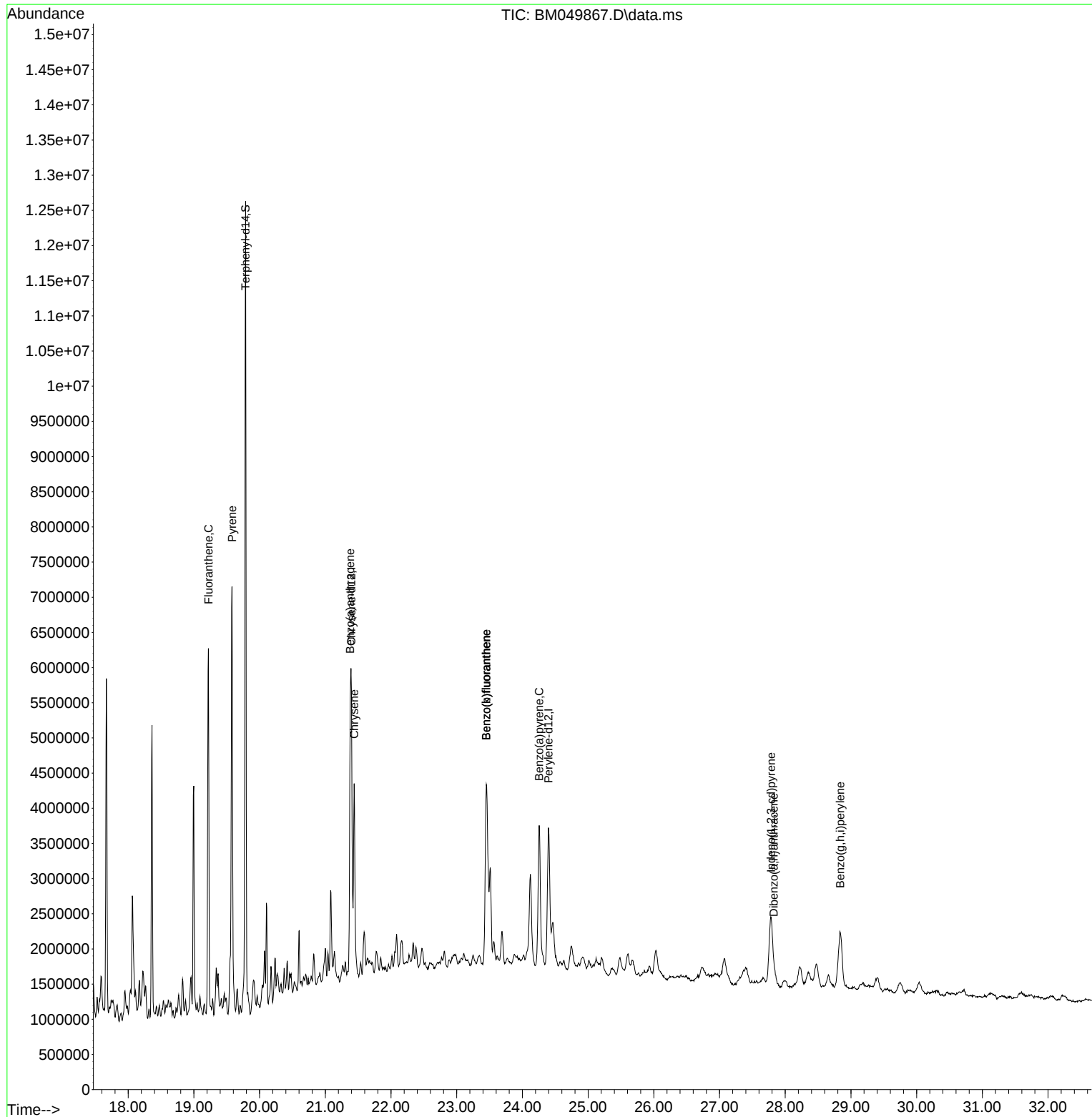
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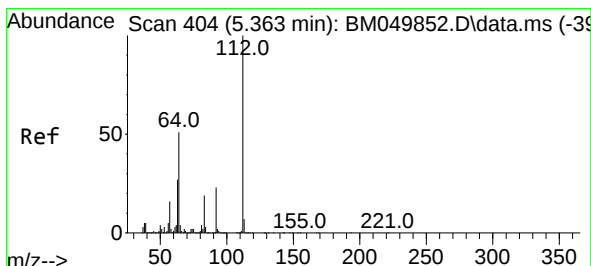
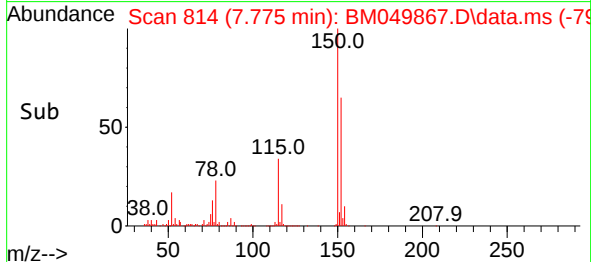
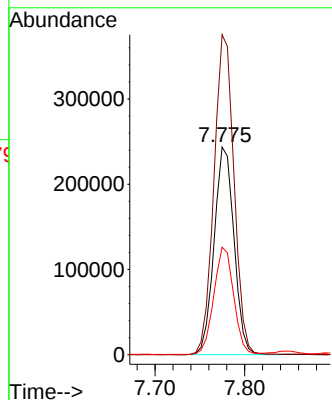
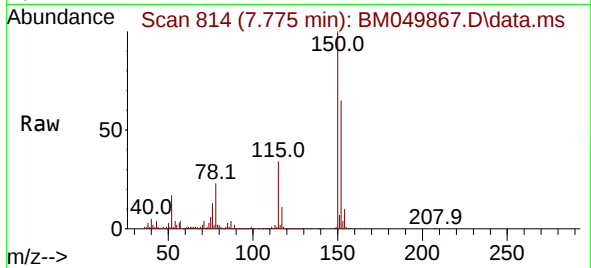




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM049867.D
Acq: 09 Apr 2025 14:26

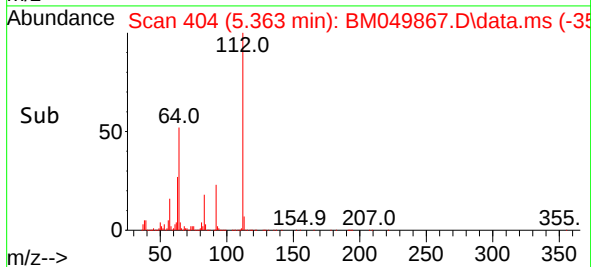
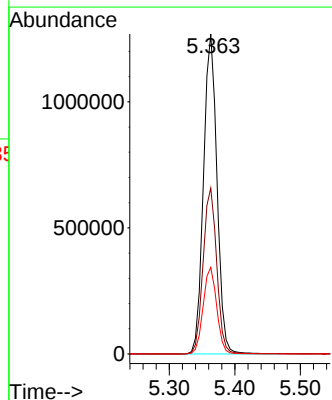
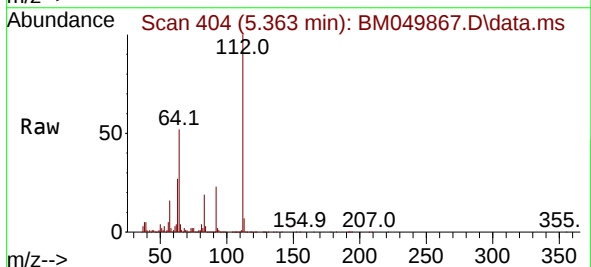
Instrument :
BNA_M
ClientSampleId :
TR-06-040725

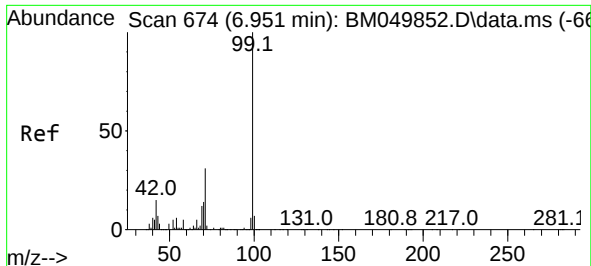
Tgt Ion:152 Resp: 375187
Ion Ratio Lower Upper
152 100
150 154.1 124.3 186.5
115 51.8 41.1 61.7



#5
2-Fluorophenol
Concen: 82.374 ng
RT: 5.363 min Scan# 404
Delta R.T. 0.000 min
Lab File: BM049867.D
Acq: 09 Apr 2025 14:26

Tgt Ion:112 Resp: 1820043
Ion Ratio Lower Upper
112 100
64 51.9 41.0 61.6
63 27.0 21.5 32.3

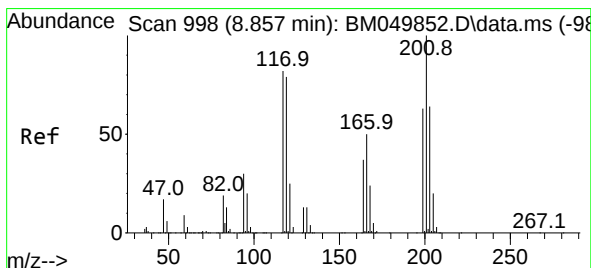
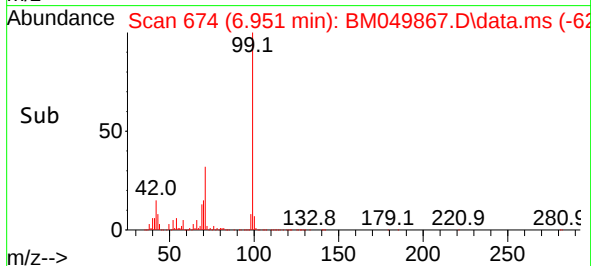
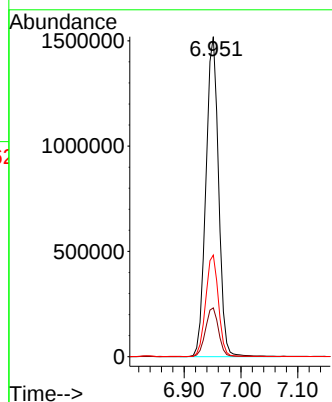
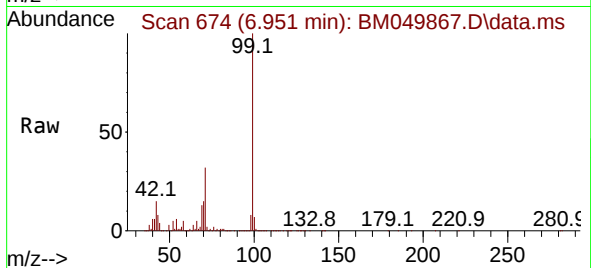




#7
Phenol-d6
Concen: 85.427 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049867.D
Acq: 09 Apr 2025 14:26

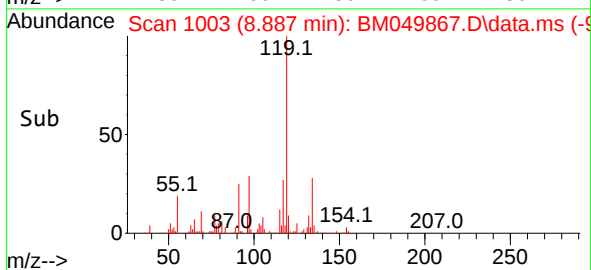
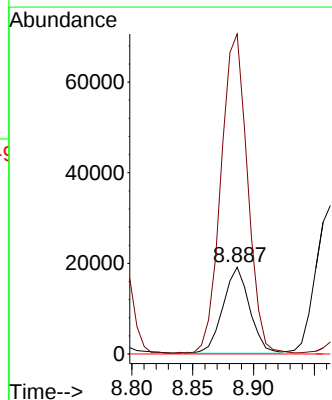
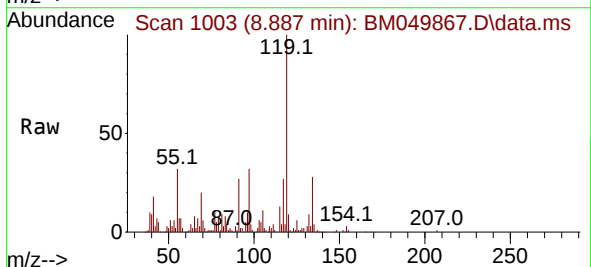
Instrument :
BNA_M
ClientSampleId :
TR-06-040725

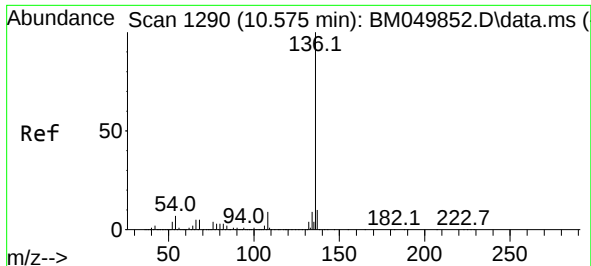
Tgt Ion: 99 Resp: 2348395
Ion Ratio Lower Upper
99 100
42 15.3 12.1 18.1
71 31.8 24.9 37.3



#18
Hexachloroethane
Concen: 3.059 ng
RT: 8.887 min Scan# 1003
Delta R.T. 0.029 min
Lab File: BM049867.D
Acq: 09 Apr 2025 14:26

Tgt Ion: 117 Resp: 28668
Ion Ratio Lower Upper
117 100
119 368.8 77.5 116.3#
201 0.0 97.7 146.5#

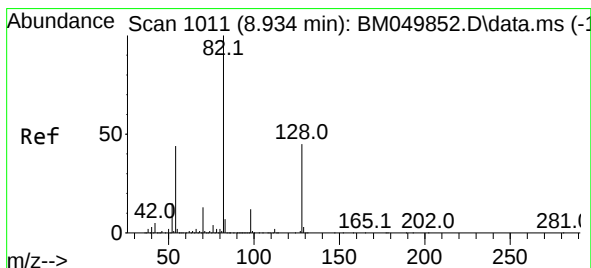
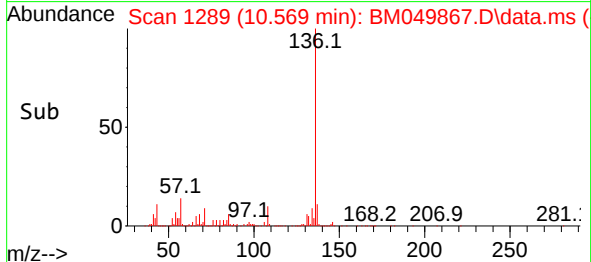
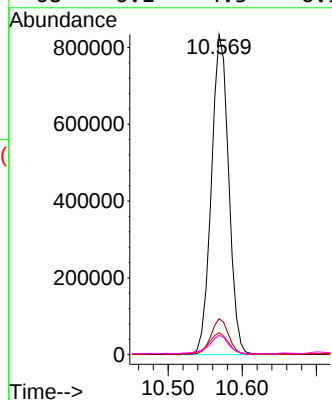
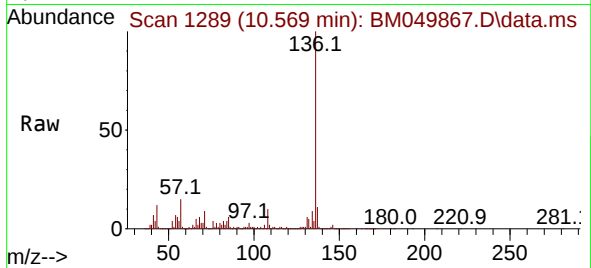




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BM049867.D
Acq: 09 Apr 2025 14:26

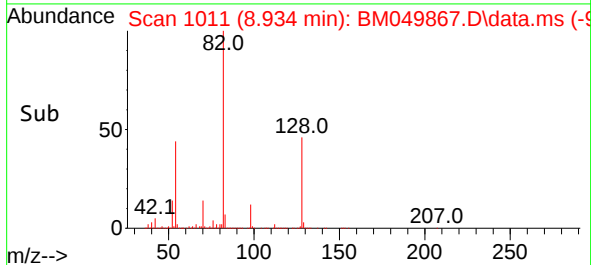
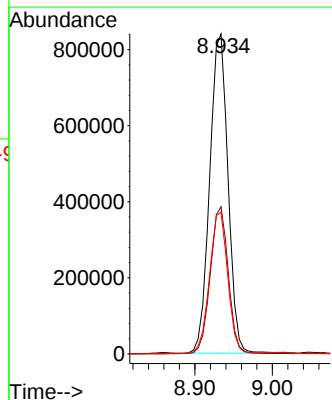
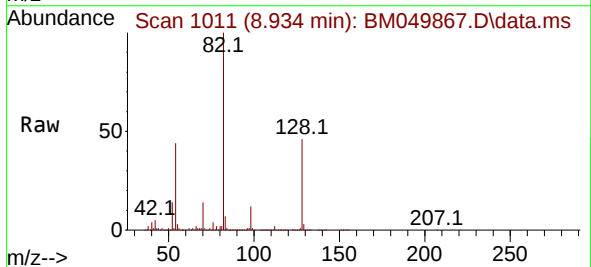
Instrument :
BNA_M
ClientSampleId :
TR-06-040725

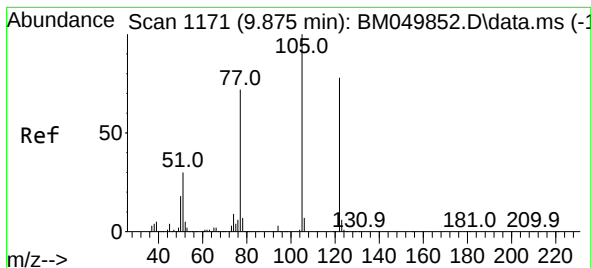
Tgt Ion:136 Resp: 1350767
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 6.9 5.3 7.9
68 6.1 4.3 6.5



#23
Nitrobenzene-d5
Concen: 56.639 ng
RT: 8.934 min Scan# 1011
Delta R.T. 0.000 min
Lab File: BM049867.D
Acq: 09 Apr 2025 14:26

Tgt Ion: 82 Resp: 1373907
Ion Ratio Lower Upper
82 100
128 46.0 36.2 54.2
54 44.3 35.0 52.6





#32

Benzoic acid

Concen: 8.553 ng

RT: 9.898 min Scan# 1171

Delta R.T. 0.023 min

Lab File: BM049867.D

Acq: 09 Apr 2025 14:26

Instrument :

BNA_M

ClientSampleId :

TR-06-040725

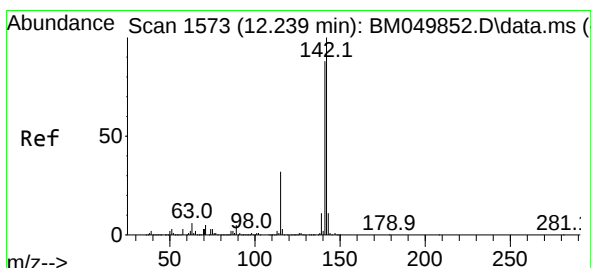
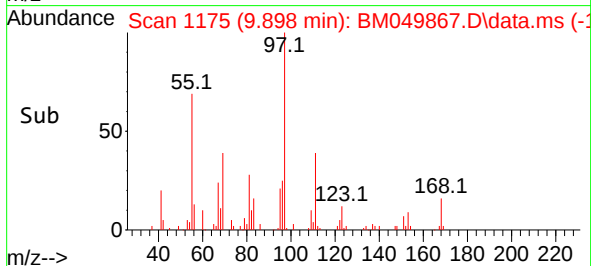
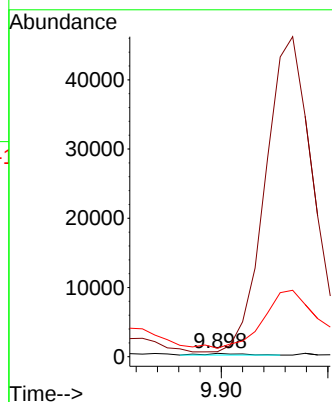
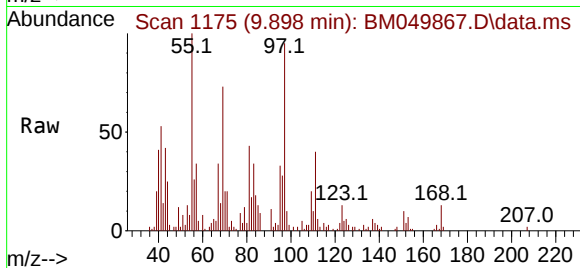
Tgt Ion:122 Resp: 304

Ion Ratio Lower Upper

122 100

105 143.5 103.8 143.8

77 249.0 70.7 110.7#



#37

2-Methylnaphthalene

Concen: 2.477 ng

RT: 12.233 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BM049867.D

Acq: 09 Apr 2025 14:26

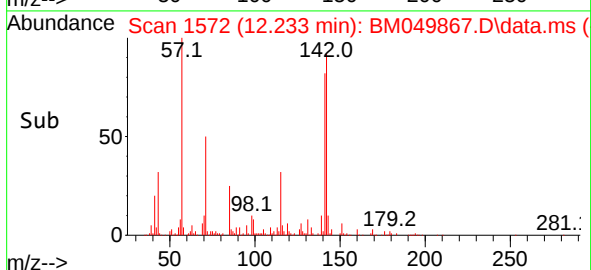
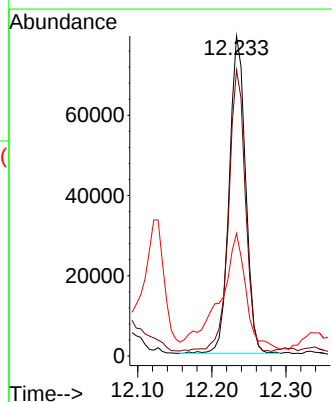
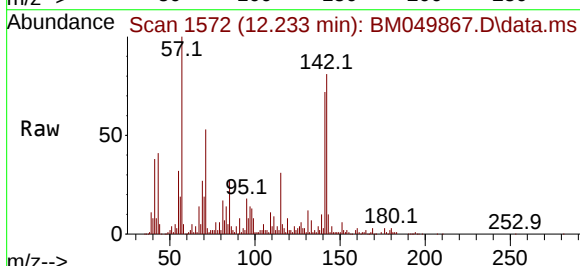
Tgt Ion:142 Resp: 121128

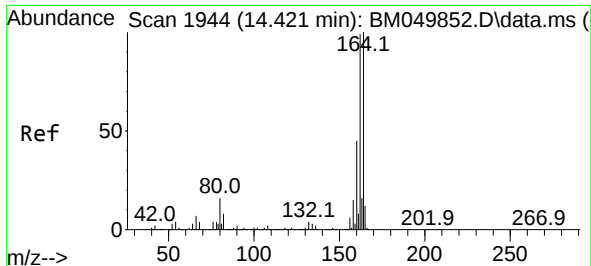
Ion Ratio Lower Upper

142 100

141 89.4 70.2 105.2

115 38.3 25.4 38.2#

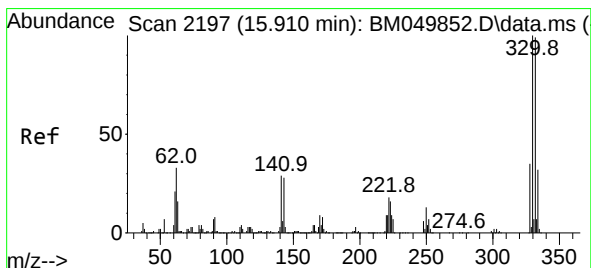
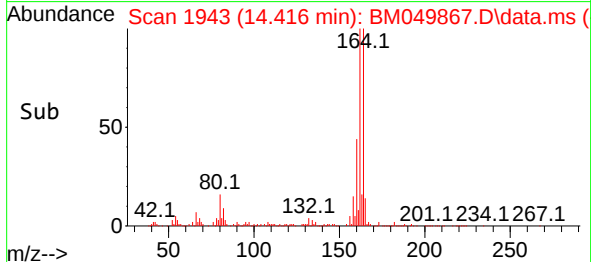
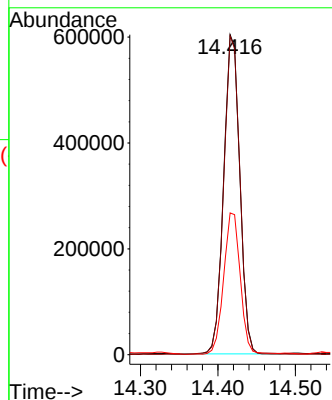
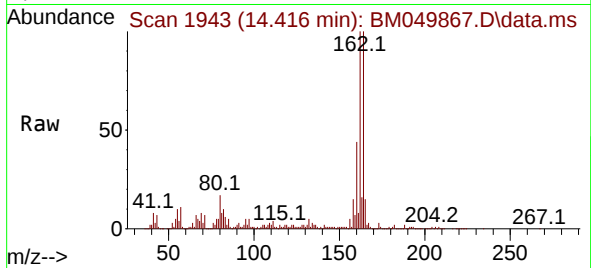




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049867.D
Acq: 09 Apr 2025 14:26

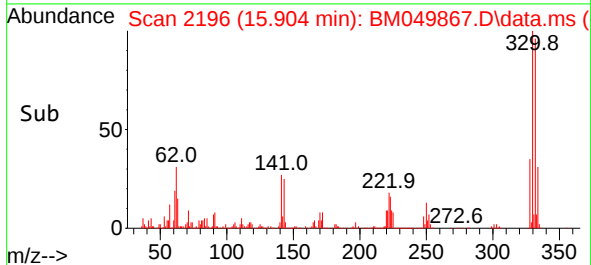
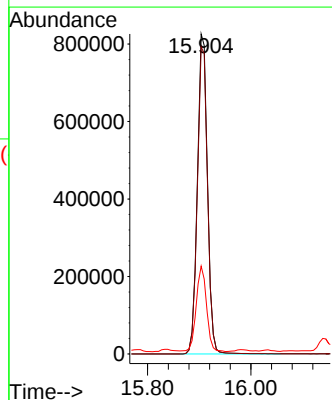
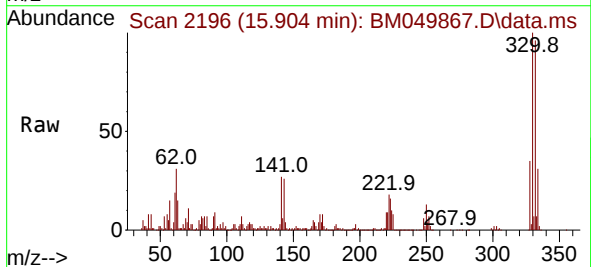
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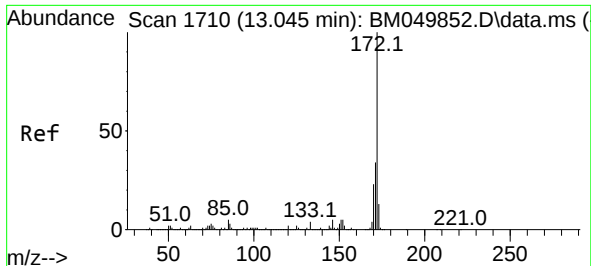
Tgt Ion:164 Resp: 874026
Ion Ratio Lower Upper
164 100
162 99.6 79.4 119.0
160 44.3 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 88.075 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM049867.D
Acq: 09 Apr 2025 14:26

Tgt Ion:330 Resp: 1119704
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 27.1 23.5 35.3

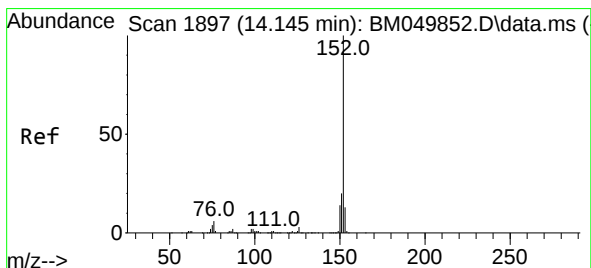
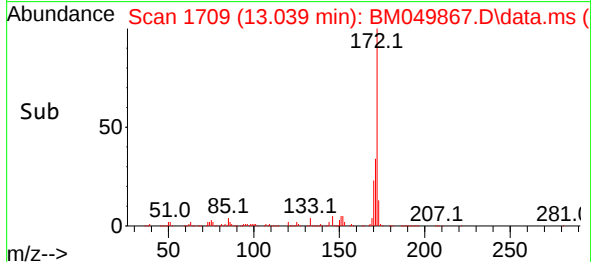
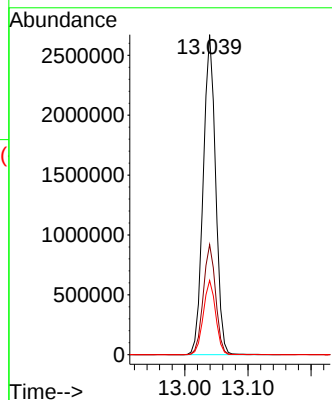
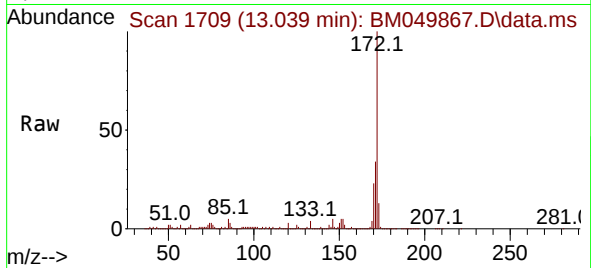




#45
2-Fluorobiphenyl
Concen: 56.588 ng
RT: 13.039 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BM049867.D
Acq: 09 Apr 2025 14:26

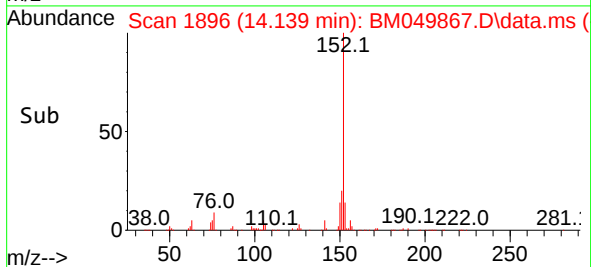
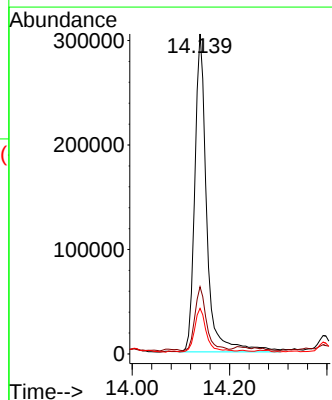
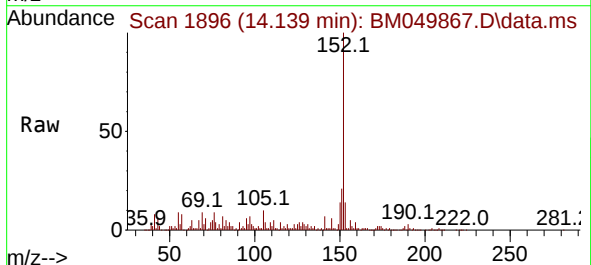
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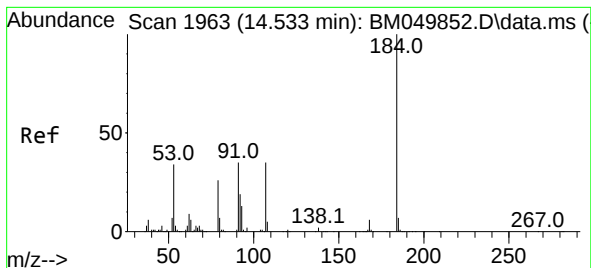
Tgt Ion:172 Resp: 3647435
Ion Ratio Lower Upper
172 100
171 34.4 27.4 41.2
170 23.2 18.6 28.0



#49
Acenaphthylene
Concen: 7.019 ng
RT: 14.139 min Scan# 1896
Delta R.T. -0.006 min
Lab File: BM049867.D
Acq: 09 Apr 2025 14:26

Tgt Ion:152 Resp: 522110
Ion Ratio Lower Upper
152 100
151 21.0 15.7 23.5
153 14.2 10.4 15.6

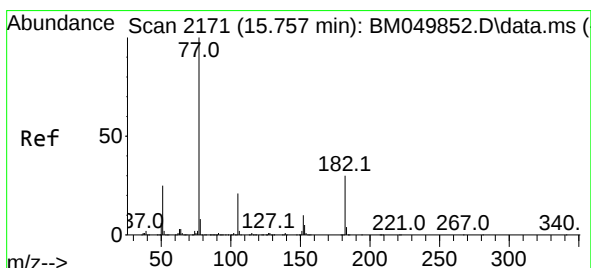
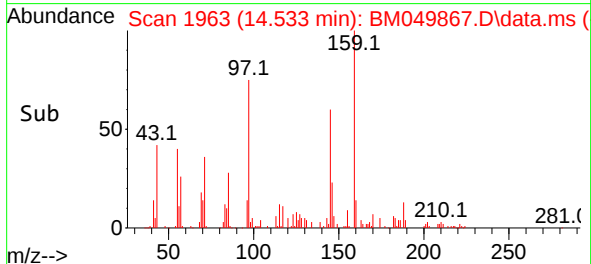
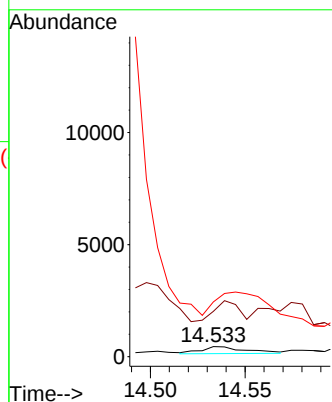
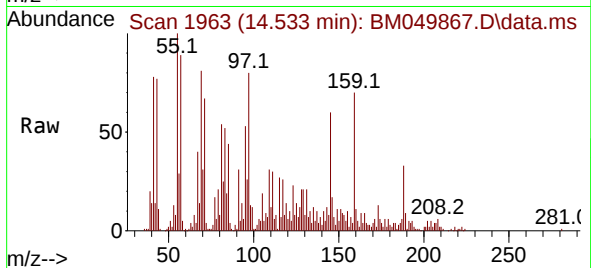




#54
2,4-Dinitrophenol
Concen: 7.274 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049867.D
Acq: 09 Apr 2025 14:26

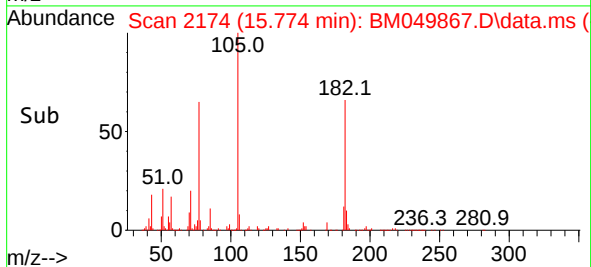
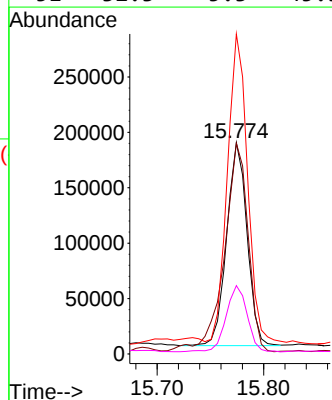
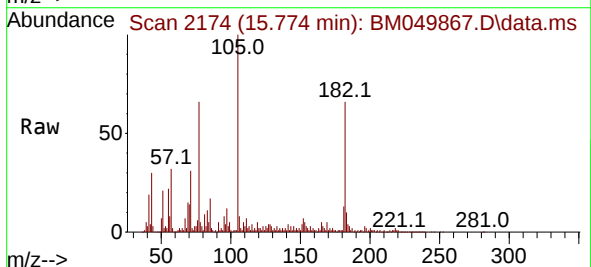
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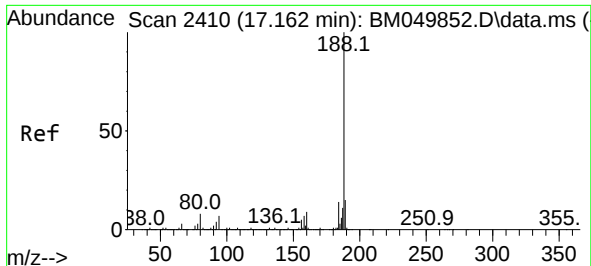
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Ion Ratio Lower Upper
184 100
63 451.6 38.4 57.6#
154 545.5 48.1 72.1#



#63
Azobenzene
Concen: 4.813 ng
RT: 15.774 min Scan# 2174
Delta R.T. 0.018 min
Lab File: BM049867.D
Acq: 09 Apr 2025 14:26

Tgt Ion: 77 Resp: 243657
Ion Ratio Lower Upper
77 100
182 99.8 10.4 50.4#
105 151.4 1.5 41.5#
51 32.3 5.3 45.3

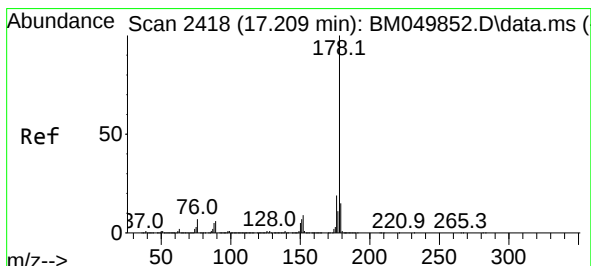
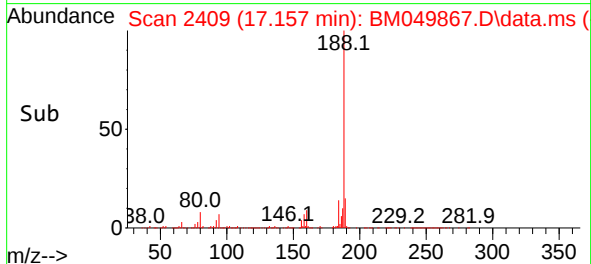
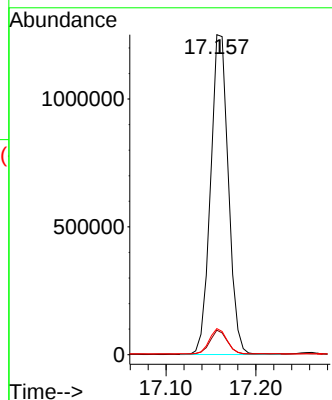
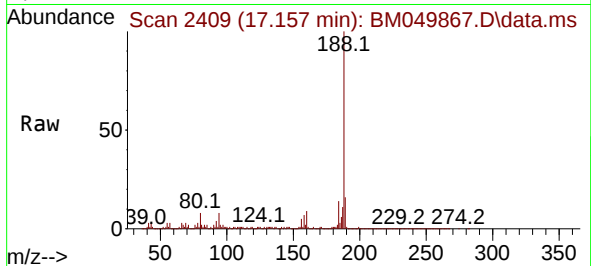




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BM049867.D
Acq: 09 Apr 2025 14:26

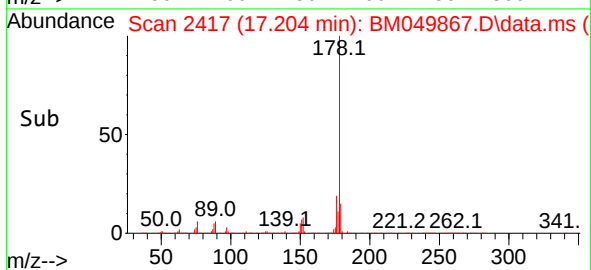
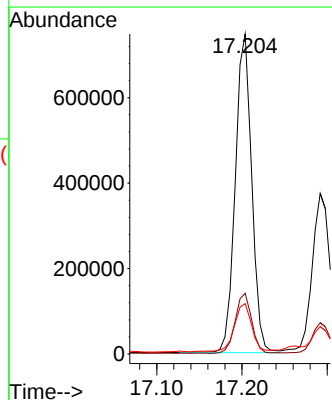
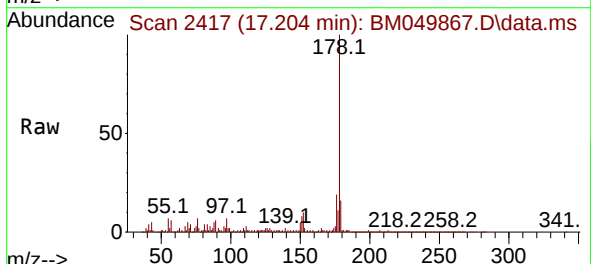
Instrument :
BNA_M
ClientSampleId :
TR-06-040725

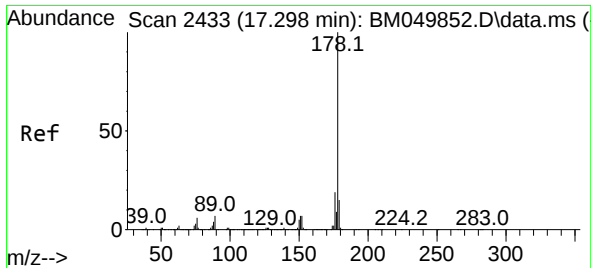
Tgt Ion:188 Resp: 1723726
Ion Ratio Lower Upper
188 100
94 7.6 5.8 8.6
80 8.1 6.4 9.6



#71
Phenanthrene
Concen: 10.613 ng
RT: 17.204 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM049867.D
Acq: 09 Apr 2025 14:26

Tgt Ion:178 Resp: 1002906
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.8 12.3 18.5

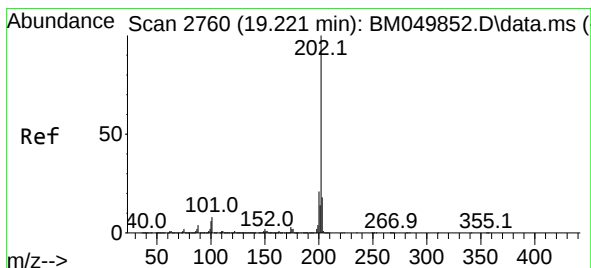
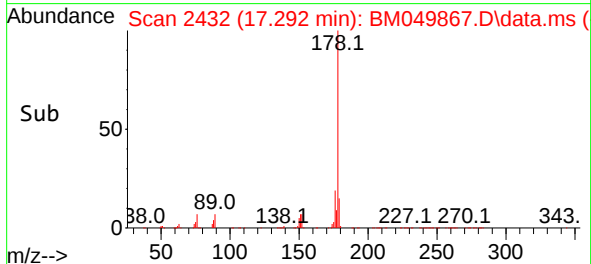
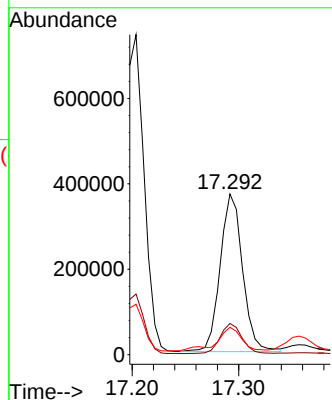
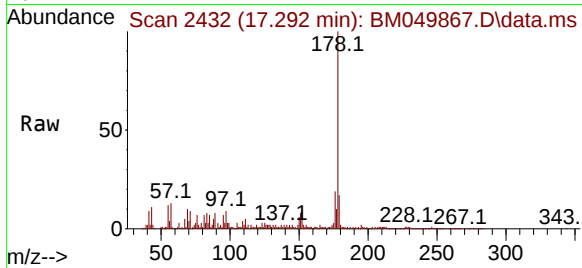




#72
 Anthracene
 Concen: 5.814 ng
 RT: 17.292 min Scan# 2433
 Delta R.T. -0.006 min
 Lab File: BM049867.D
 Acq: 09 Apr 2025 14:26

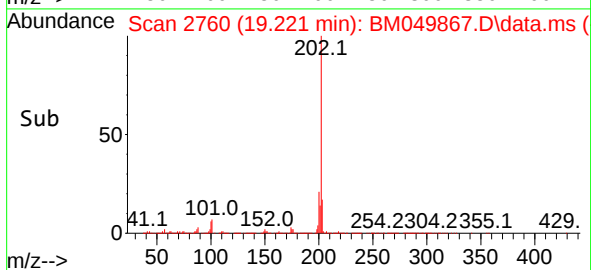
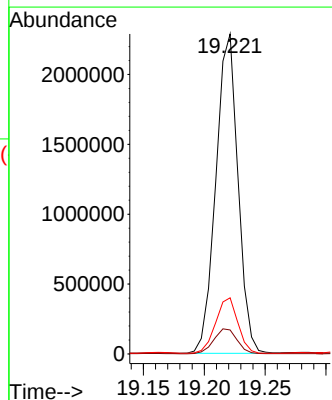
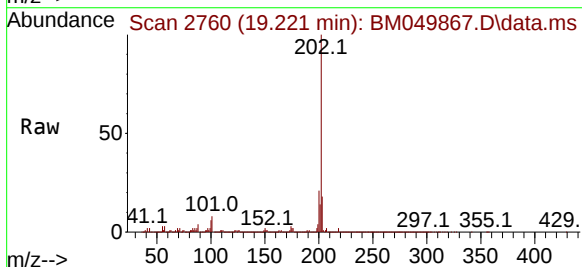
Instrument :
 BNA_M
 ClientSampleId :
 TR-06-040725

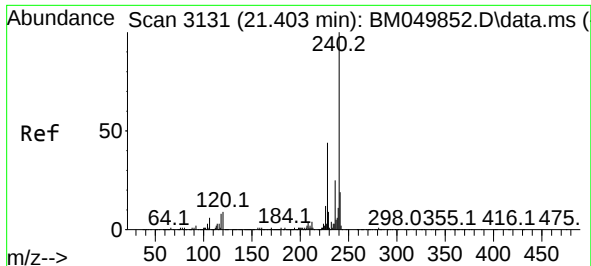
Tgt Ion:178 Resp: 541447
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.1 22.7
 179 17.0 12.4 18.6



#75
 Fluoranthene
 Concen: 24.849 ng
 RT: 19.221 min Scan# 2760
 Delta R.T. 0.000 min
 Lab File: BM049867.D
 Acq: 09 Apr 2025 14:26

Tgt Ion:202 Resp: 2887322
 Ion Ratio Lower Upper
 202 100
 101 7.5 0.0 28.4
 203 17.5 0.0 37.8

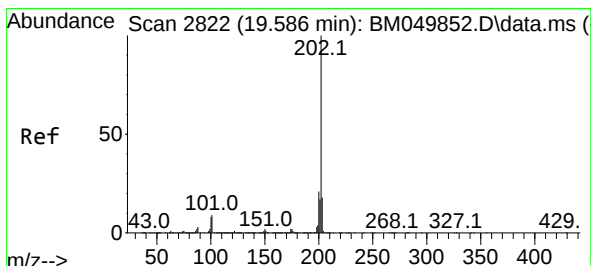
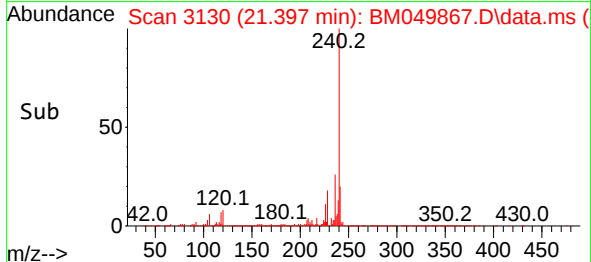
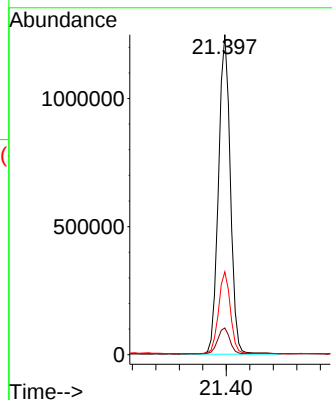
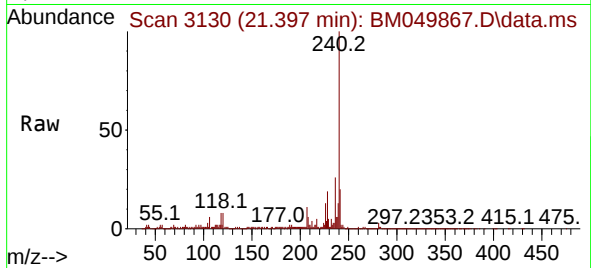




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM049867.D
Acq: 09 Apr 2025 14:26

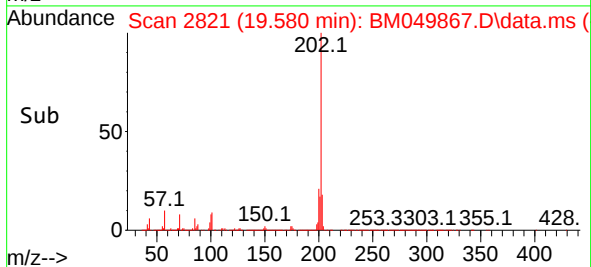
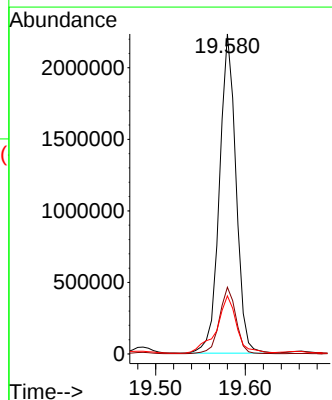
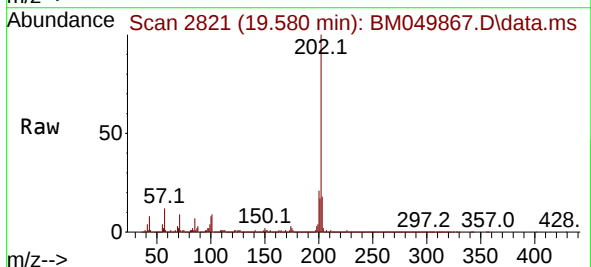
Instrument :
BNA_M
ClientSampleId :
TR-06-040725

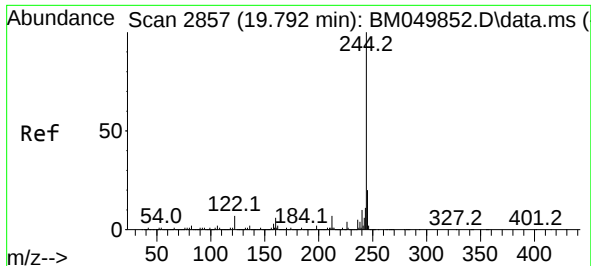
Tgt Ion:240 Resp: 1742922
Ion Ratio Lower Upper
240 100
120 8.4 6.9 10.3
236 25.9 20.4 30.6



#78
Pyrene
Concen: 23.788 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.006 min
Lab File: BM049867.D
Acq: 09 Apr 2025 14:26

Tgt Ion:202 Resp: 2857374
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 18.1 14.0 21.0

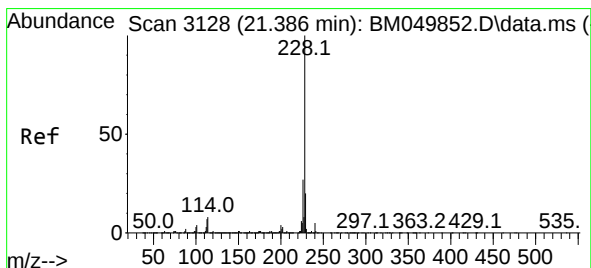
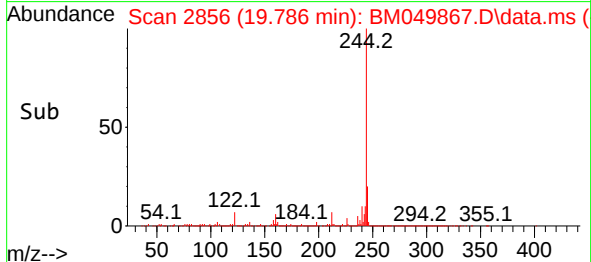
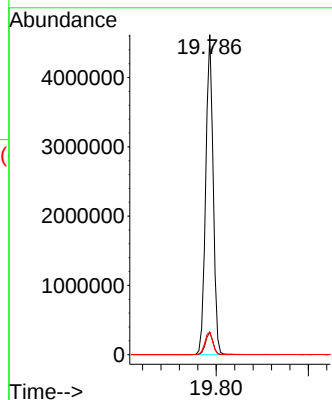
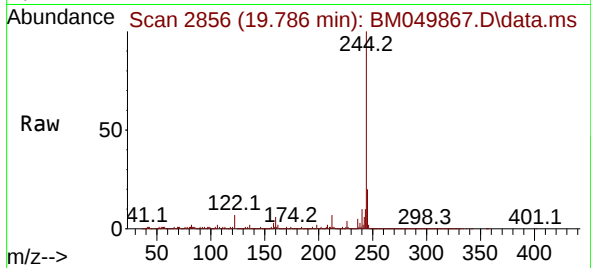




#79
 Terphenyl-d14
 Concen: 56.062 ng
 RT: 19.786 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM049867.D
 Acq: 09 Apr 2025 14:26

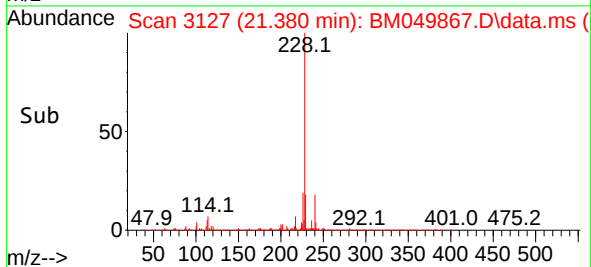
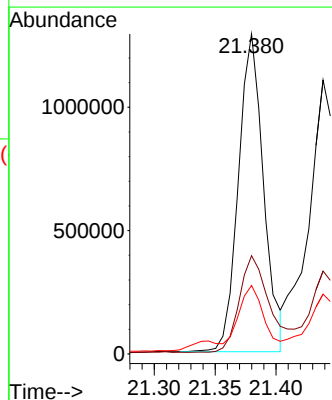
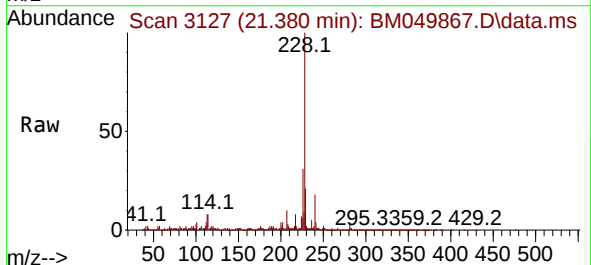
Instrument :
 BNA_M
 ClientSampleId :
 TR-06-040725

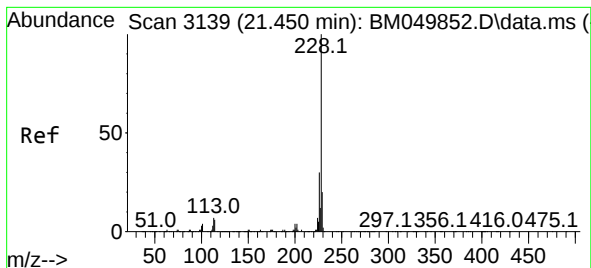
Tgt Ion:244 Resp: 5213913
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 7.0 5.4 8.0



#81
 Benzo(a)anthracene
 Concen: 15.994 ng
 RT: 21.380 min Scan# 3127
 Delta R.T. -0.006 min
 Lab File: BM049867.D
 Acq: 09 Apr 2025 14:26

Tgt Ion:228 Resp: 1852604
 Ion Ratio Lower Upper
 228 100
 226 30.7 21.8 32.8
 229 21.4 15.8 23.8





#83

Chrysene

Concen: 16.539 ng

RT: 21.439 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM049867.D

Acq: 09 Apr 2025 14:26

Instrument :

BNA_M

ClientSampleId :

TR-06-040725

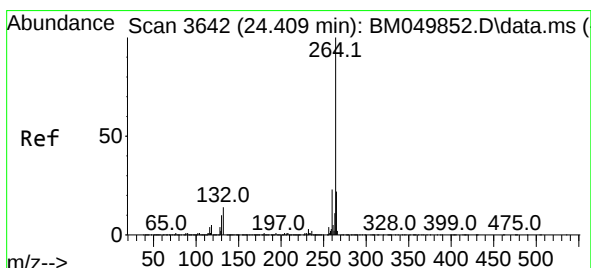
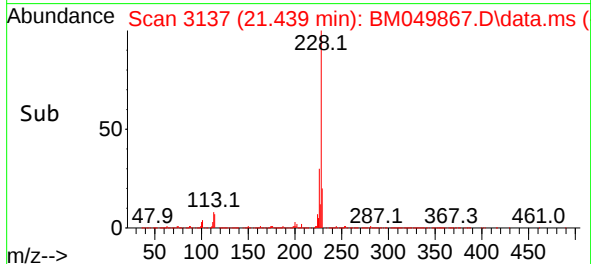
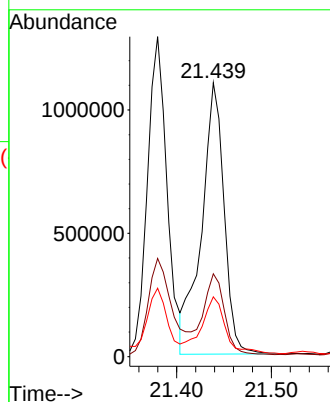
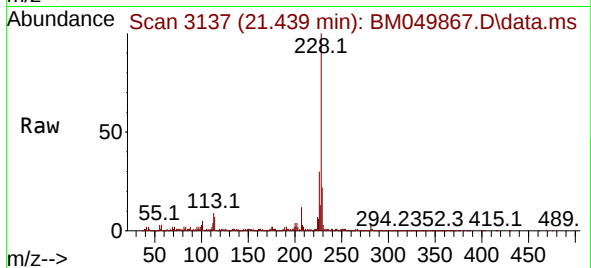
Tgt Ion:228 Resp: 1821392

Ion Ratio Lower Upper

228 100

226 30.3 24.1 36.1

229 21.9 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: BM049867.D

Acq: 09 Apr 2025 14:26

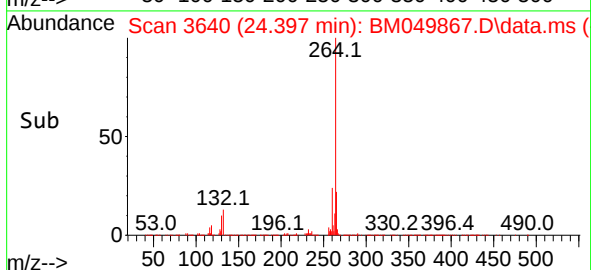
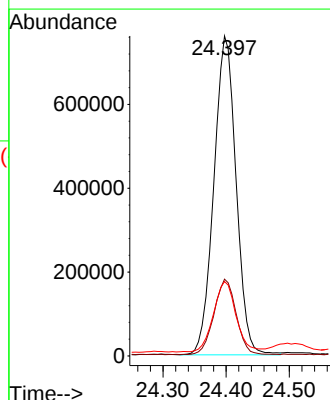
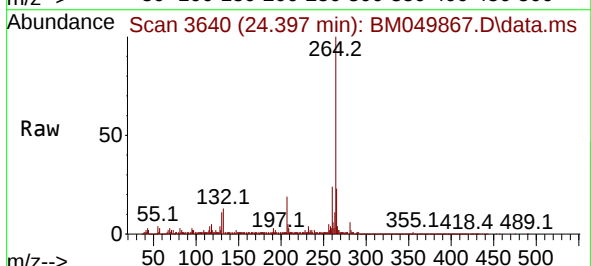
Tgt Ion:264 Resp: 1859477

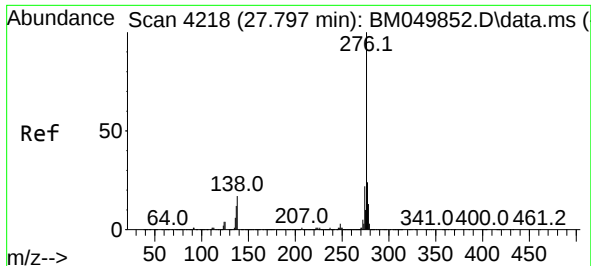
Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 23.2 17.8 26.8

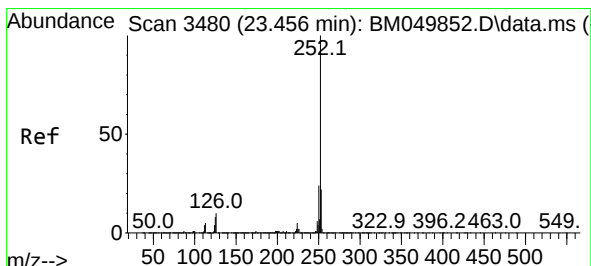
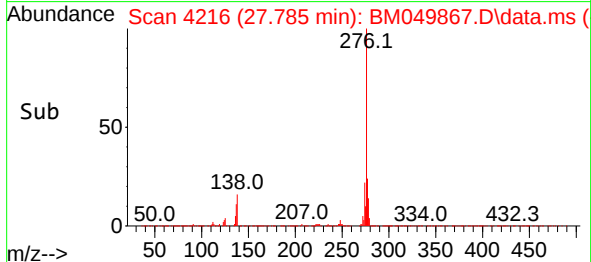
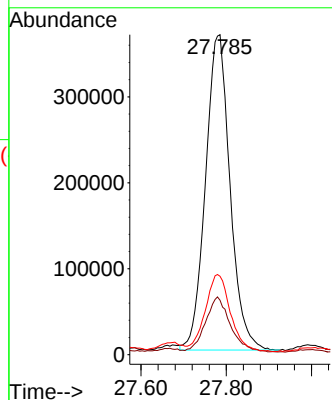
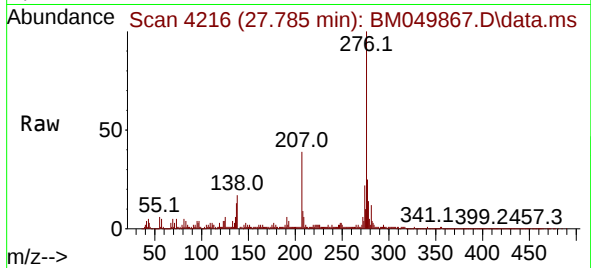




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.599 ng
 RT: 27.785 min Scan# 41
 Delta R.T. -0.012 min
 Lab File: BM049867.D
 Acq: 09 Apr 2025 14:26

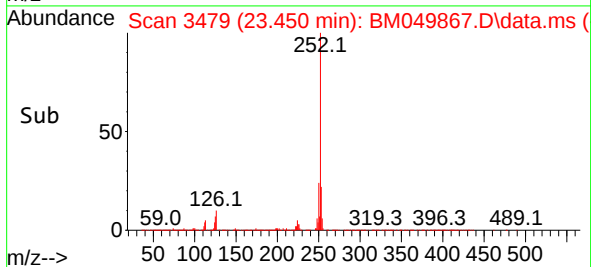
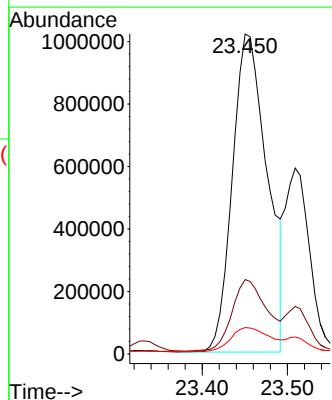
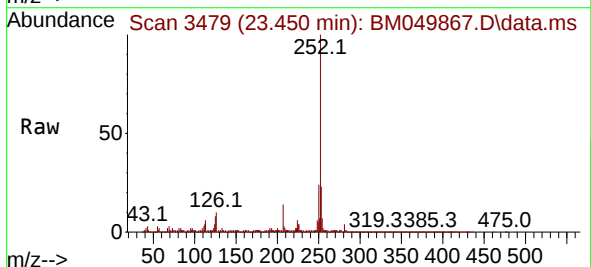
Instrument :
 BNA_M
 ClientSampleId :
 TR-06-040725

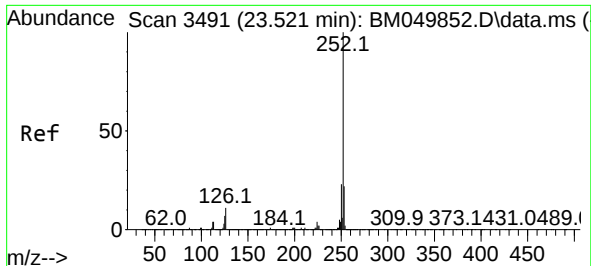
Tgt Ion:276 Resp: 1469131
 Ion Ratio Lower Upper
 276 100
 138 17.9 16.8 25.2
 277 25.0 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 24.358 ng
 RT: 23.450 min Scan# 3479
 Delta R.T. -0.006 min
 Lab File: BM049867.D
 Acq: 09 Apr 2025 14:26

Tgt Ion:252 Resp: 2892739
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.5 26.3
 125 8.3 6.2 9.4

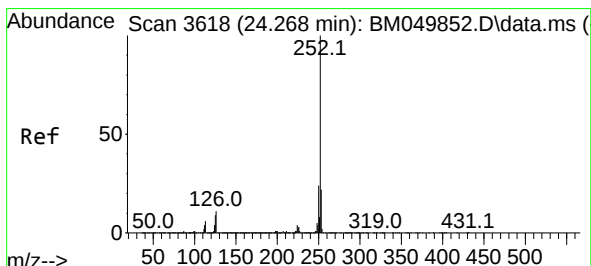
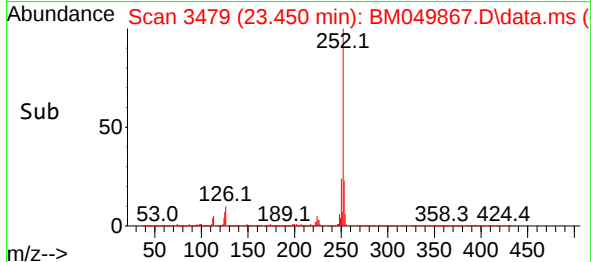
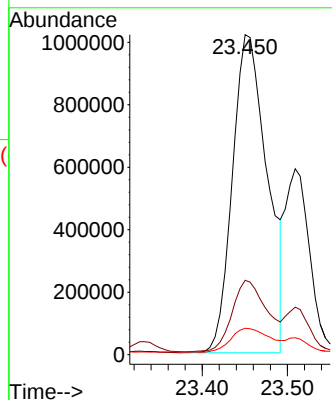
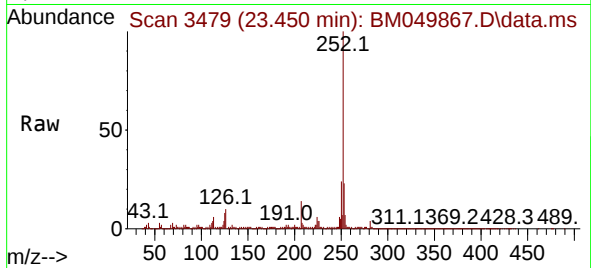




#89
Benzo(k)fluoranthene
Concen: 25.136 ng
RT: 23.450 min Scan# 3491
Delta R.T. -0.071 min
Lab File: BM049867.D
Acq: 09 Apr 2025 14:26

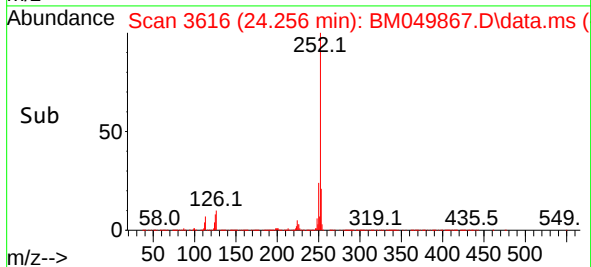
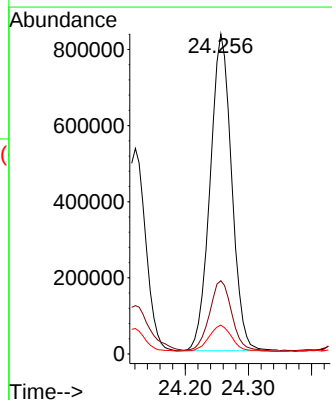
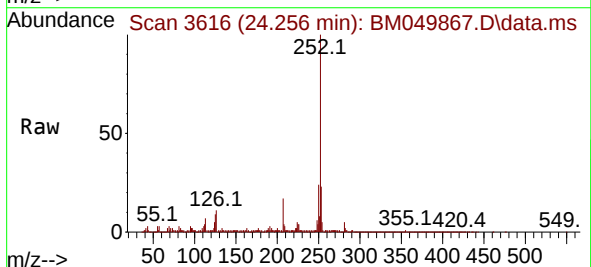
Instrument :
BNA_M
ClientSampleId :
TR-06-040725

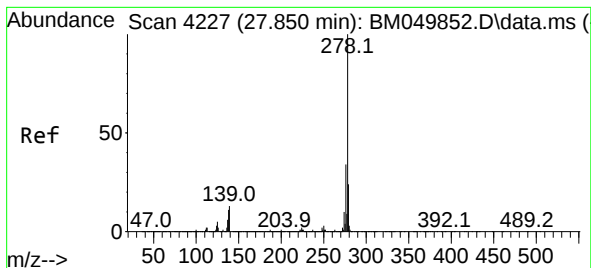
Tgt Ion:252 Resp: 2892739
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 8.3 5.8 8.8



#90
Benzo(a)pyrene
Concen: 18.877 ng
RT: 24.256 min Scan# 3616
Delta R.T. -0.012 min
Lab File: BM049867.D
Acq: 09 Apr 2025 14:26

Tgt Ion:252 Resp: 1969921
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 9.0 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 3.244 ng

RT: 27.826 min Scan# 41

Delta R.T. -0.023 min

Lab File: BM049867.D

Acq: 09 Apr 2025 14:26

Instrument :

BNA_M

ClientSampleId :

TR-06-040725

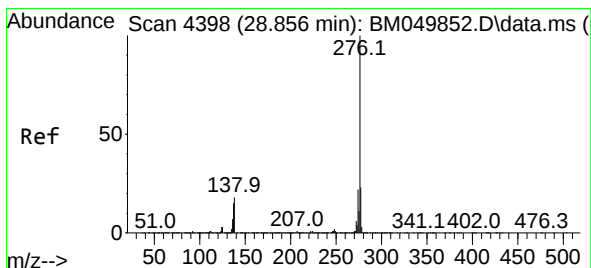
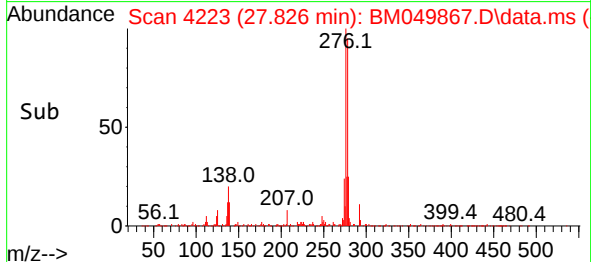
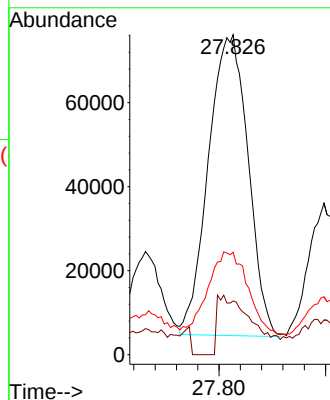
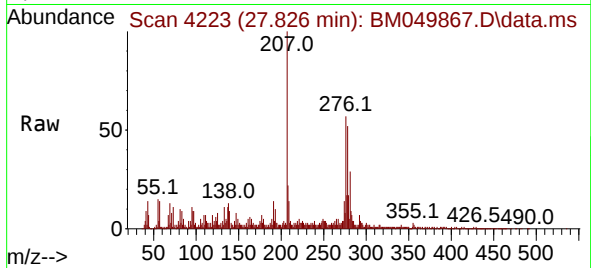
Tgt Ion:278 Resp: 370341

Ion Ratio Lower Upper

278 100

139 16.8 10.6 15.8#

279 32.0 19.1 28.7#



#92

Benzo(g,h,i)perylene

Concen: 12.754 ng

RT: 28.838 min Scan# 4395

Delta R.T. -0.018 min

Lab File: BM049867.D

Acq: 09 Apr 2025 14:26

Tgt Ion:276 Resp: 1487989

Ion Ratio Lower Upper

276 100

277 24.7 18.7 28.1

138 19.5 14.6 21.8

