

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050087.D
 Acq On : 02 May 2025 15:58
 Operator : RC/JU
 Sample : Q1914-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-3

Quant Time: May 02 16:55:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

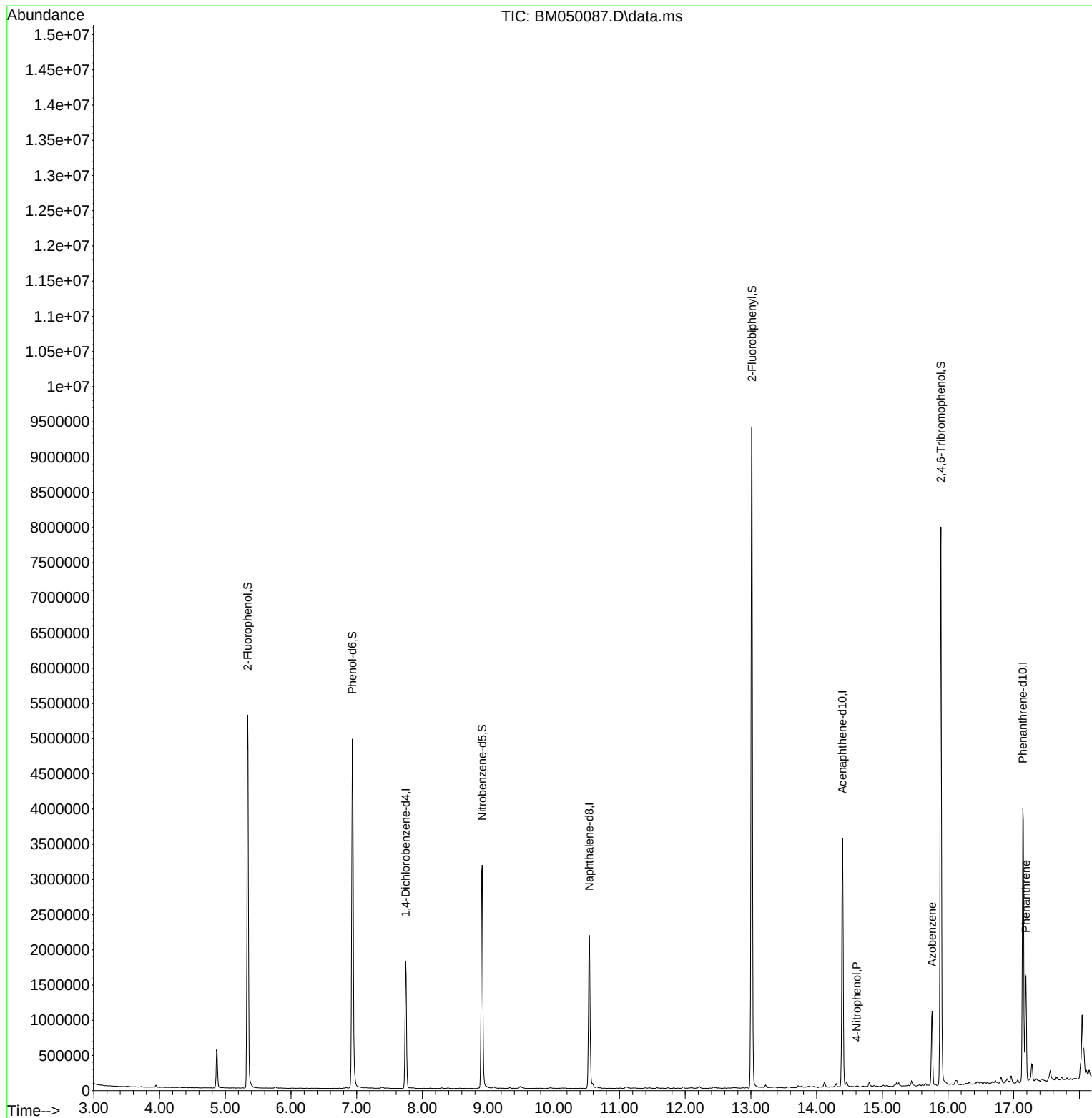
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.746	152	526968	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1918378	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	1321220	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	2453882	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1539109	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1571300	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	2501393	83.119	ng	-0.02
7) Phenol-d6	6.934	99	3287262	86.909	ng	-0.02
23) Nitrobenzene-d5	8.910	82	1983088	50.939	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	1829444	93.645	ng	-0.01
45) 2-Fluorobiphenyl	13.016	172	5532951	49.541	ng	-0.02
79) Terphenyl-d14	19.768	244	5901667	56.740	ng	-0.01
Target Compounds						Qvalue
56) 4-Nitrophenol	14.610	139	718	4.577	ng	# 42
63) Azobenzene	15.757	77	274591	3.601	ng	# 1
71) Phenanthrene	17.186	178	992681	7.172	ng	99
75) Fluoranthene	19.204	202	1614052	9.933	ng	99
78) Pyrene	19.568	202	1332361	12.327	ng	99
81) Benzo(a)anthracene	21.362	228	605254	5.711	ng	98
83) Chrysene	21.427	228	564813	5.758	ng	98
84) Bis(2-ethylhexyl)phtha...	21.280	149	275035	4.549	ng	100
87) Indeno(1,2,3-cd)pyrene	27.750	276	419737	3.585	ng	97
88) Benzo(b)fluoranthene	23.433	252	745476	7.295	ng	# 97
89) Benzo(k)fluoranthene	23.433	252	745476	7.212	ng	# 97
90) Benzo(a)pyrene	24.233	252	540093	5.643	ng	97
92) Benzo(g,h,i)perylene	28.803	276	464326	5.082	ng	99

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

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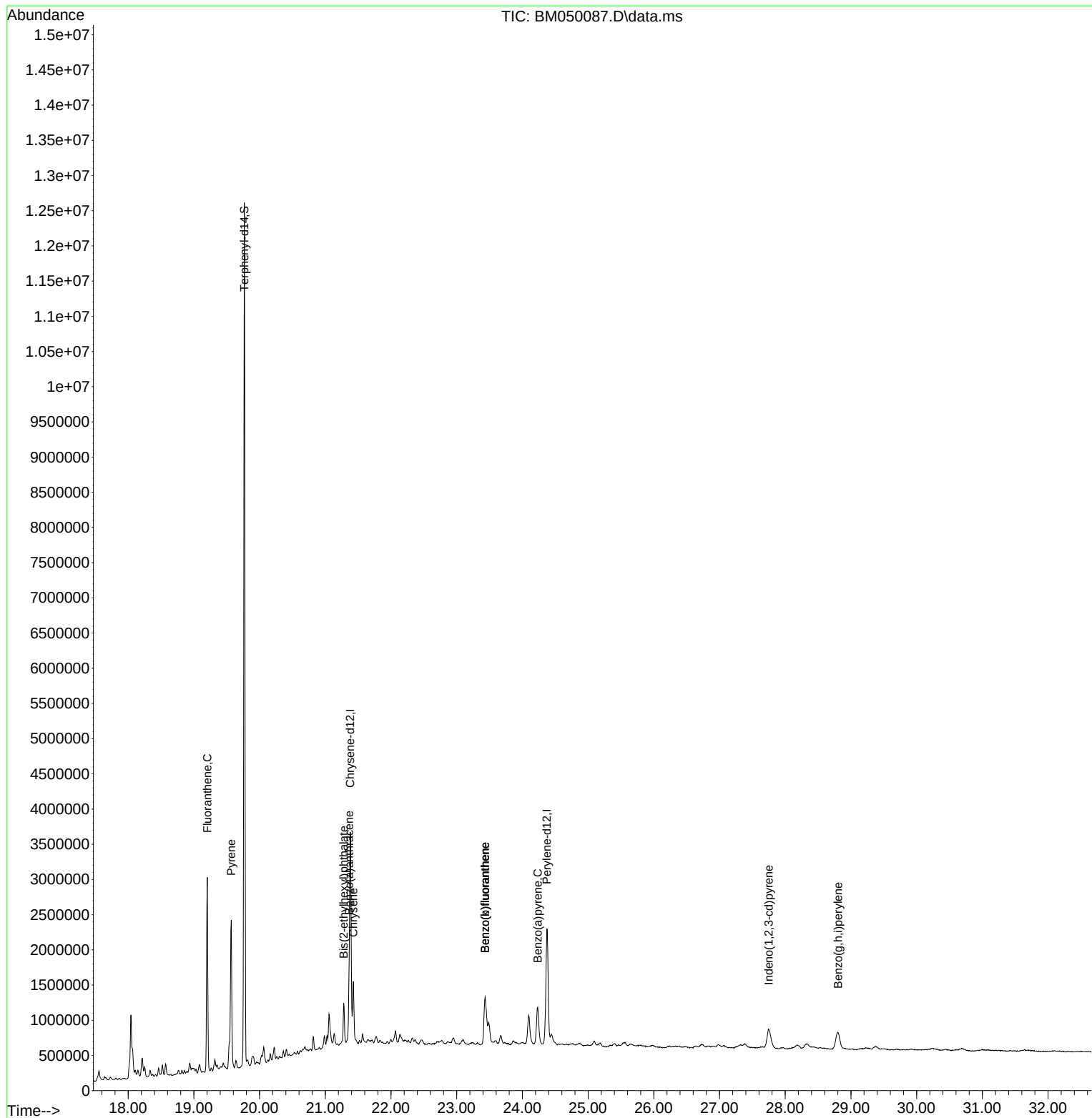
Quant Time: May 02 16:55:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
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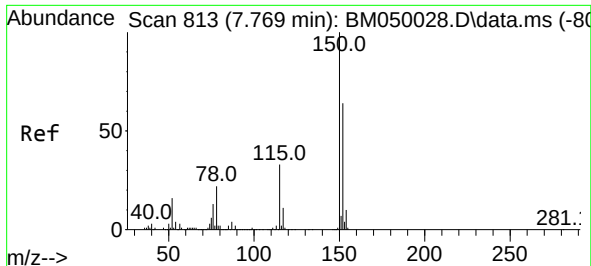


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
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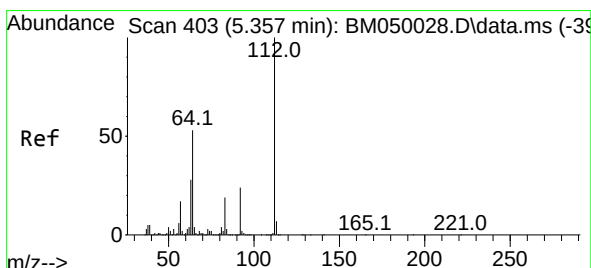
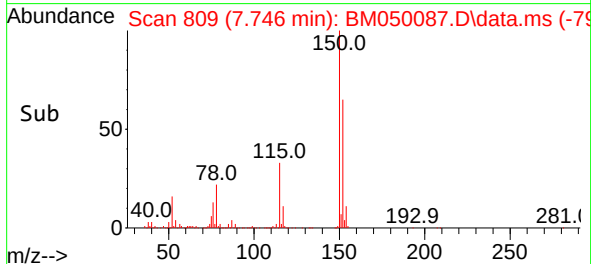
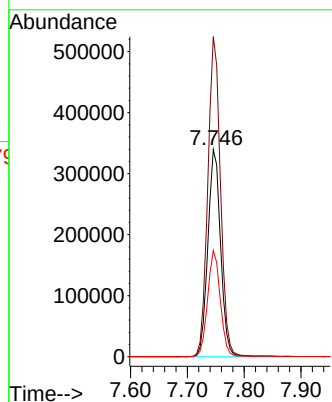
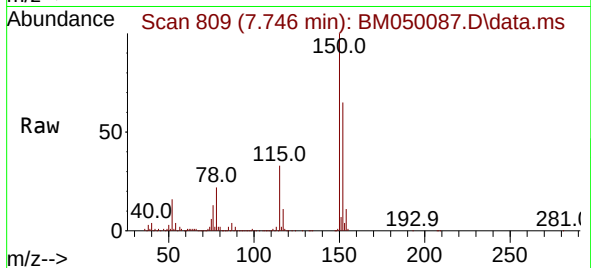




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.746 min Scan# 809
Delta R.T. -0.023 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

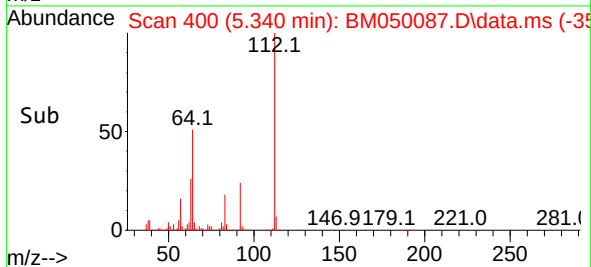
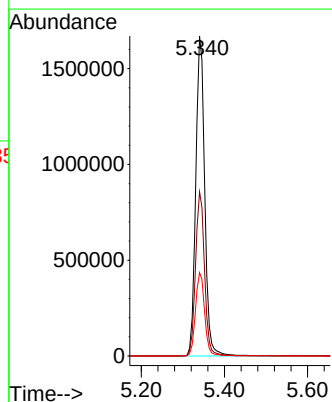
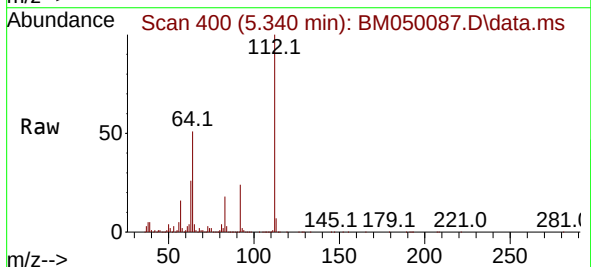
Instrument :
BNA_M
ClientSampleId :
SS-3

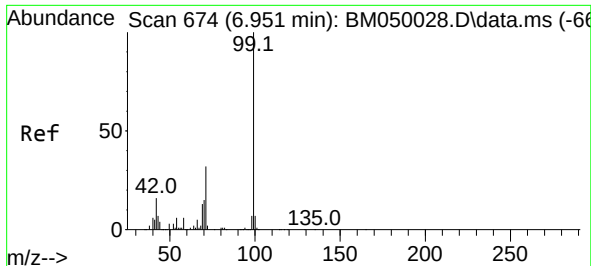
Tgt Ion:152 Resp: 526968
Ion Ratio Lower Upper
152 100
150 154.6 124.1 186.1
115 51.3 41.2 61.8



#5
2-Fluorophenol
Concen: 83.119 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

Tgt Ion:112 Resp: 2501393
Ion Ratio Lower Upper
112 100
64 51.3 42.6 64.0
63 26.1 22.2 33.4



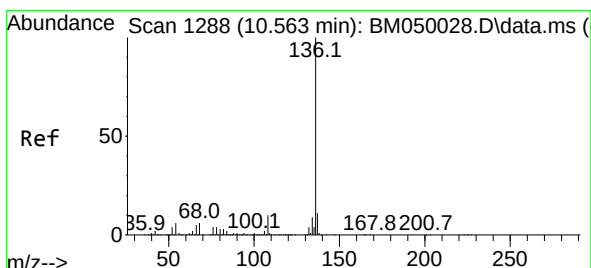
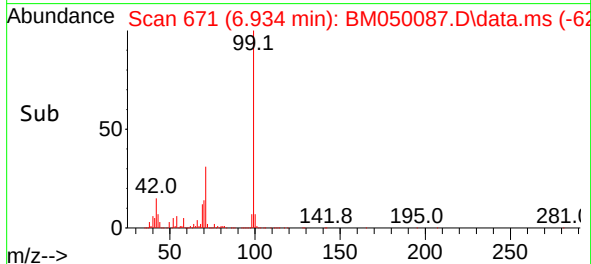
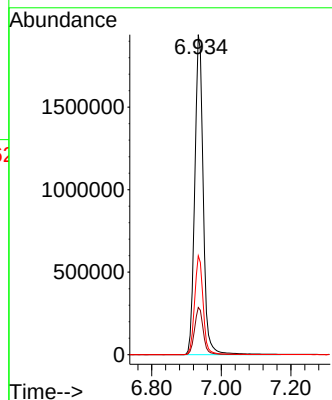
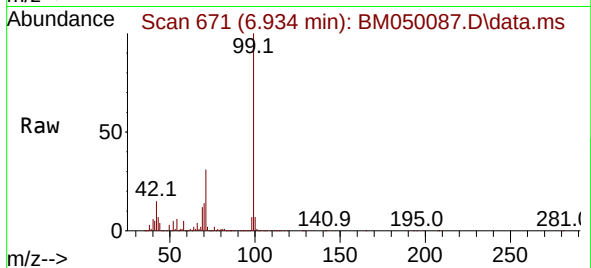


#7
Phenol-d6
Concen: 86.909 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

Instrument :
BNA_M
ClientSampleId :
SS-3

Tgt Ion: 99 Resp: 3287262

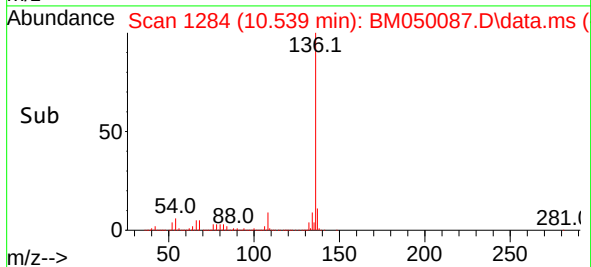
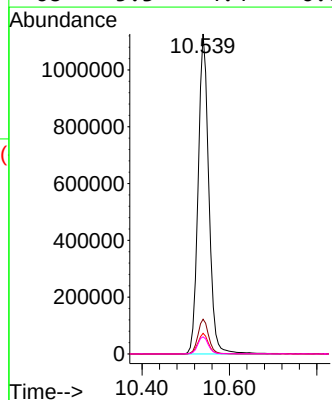
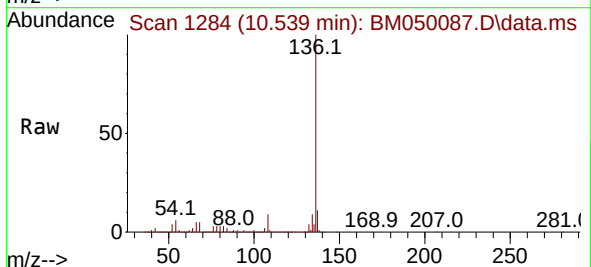
Ion	Ratio	Lower	Upper
99	100		
42	14.7	13.0	19.4
71	30.9	25.6	38.4

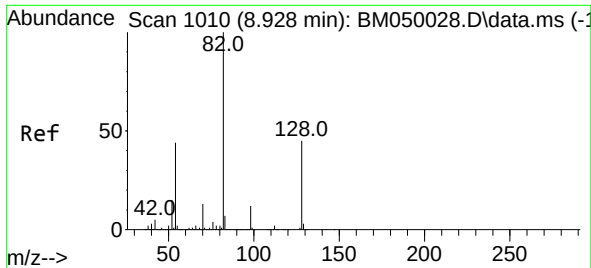


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

Tgt Ion: 136 Resp: 1918378

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.4	5.1	7.7
68	5.3	4.4	6.6

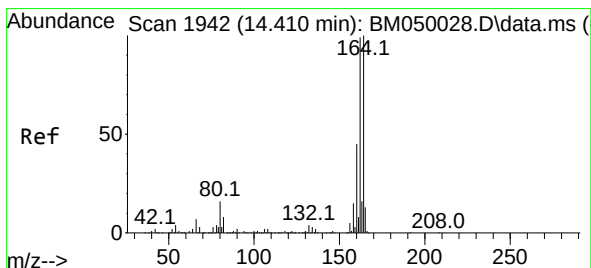
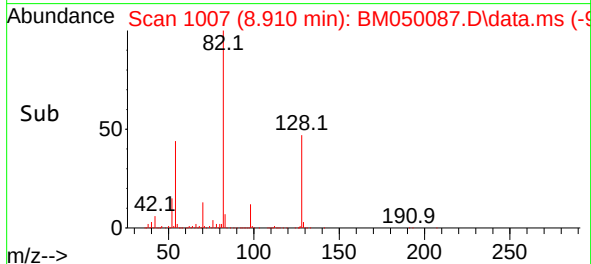
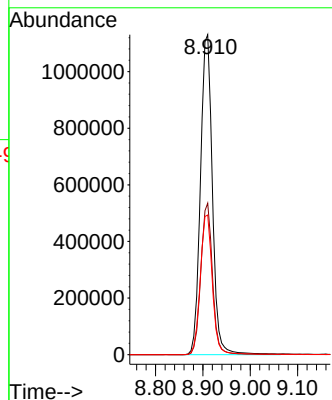
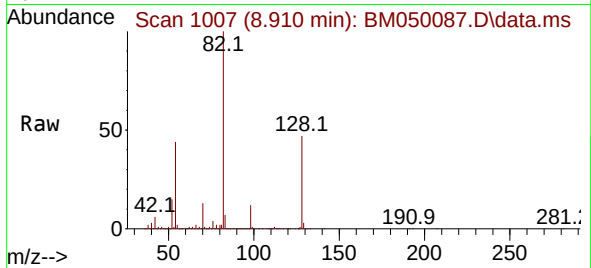




#23
Nitrobenzene-d5
Concen: 50.939 ng
RT: 8.910 min Scan# 1010
Delta R.T. -0.018 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

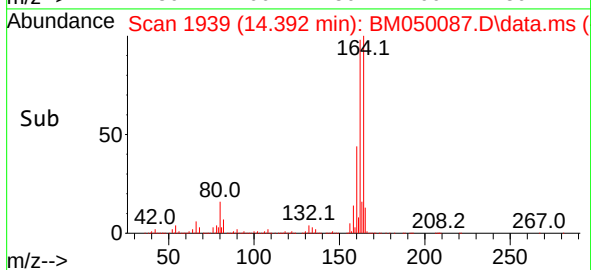
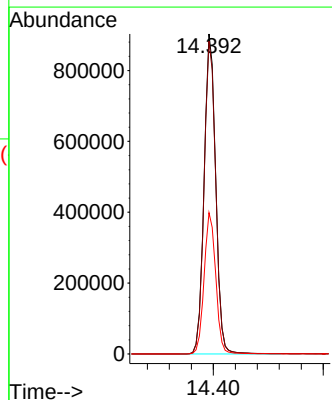
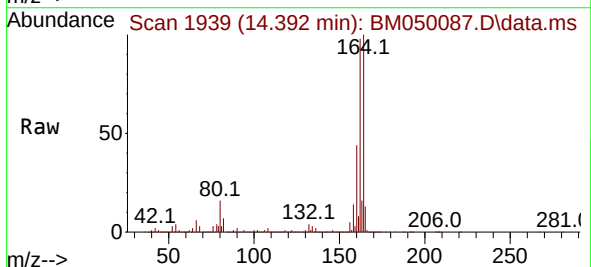
Instrument :
BNA_M
ClientSampleId :
SS-3

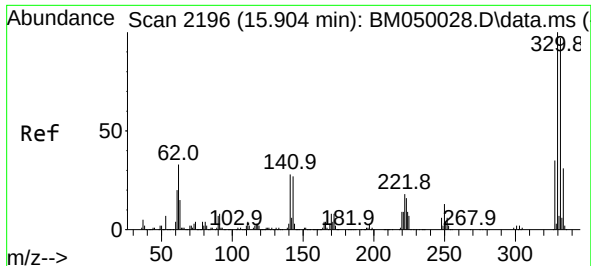
Tgt Ion: 82 Resp: 1983088
Ion Ratio Lower Upper
82 100
128 47.4 35.7 53.5
54 43.7 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

Tgt Ion:164 Resp: 1321220
Ion Ratio Lower Upper
164 100
162 97.7 79.4 119.0
160 44.2 36.2 54.4

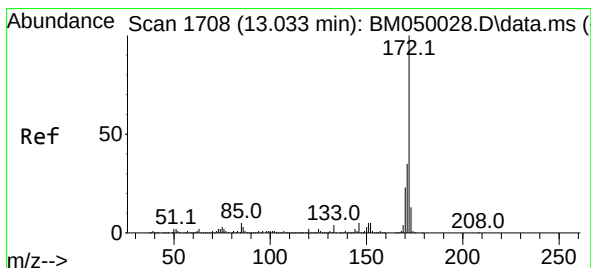
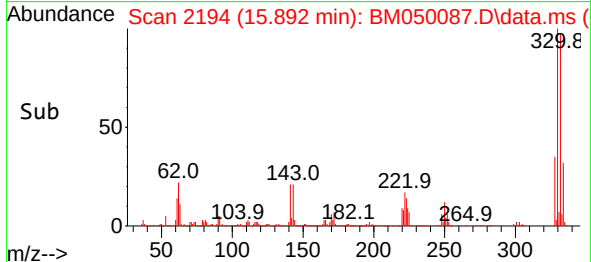
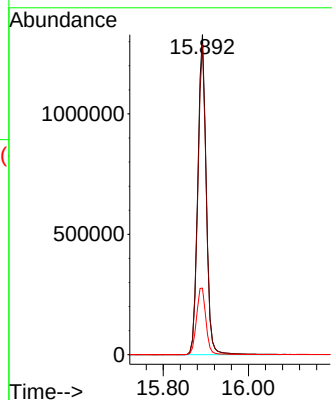
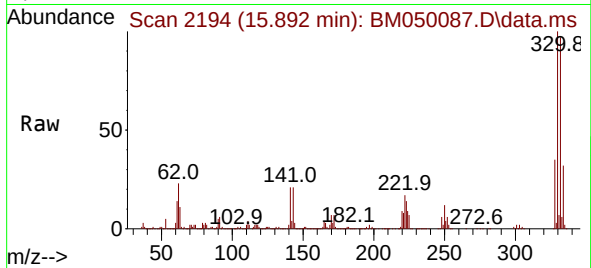




#42
2,4,6-Tribromophenol
Concen: 93.645 ng
RT: 15.892 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

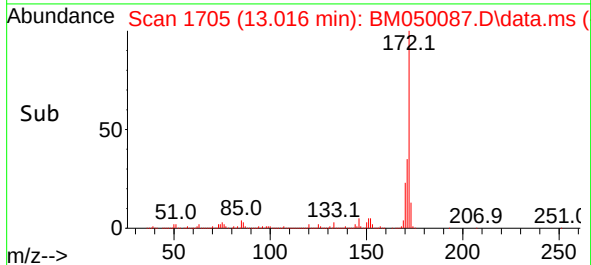
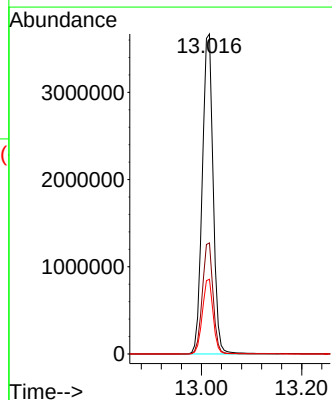
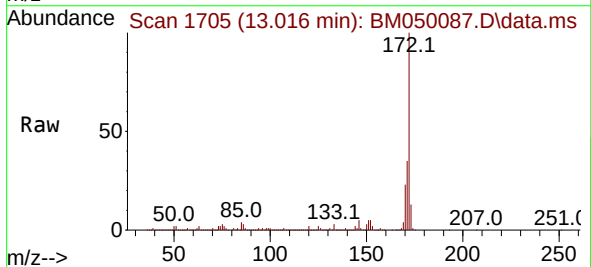
Instrument :
BNA_M
ClientSampleId :
SS-3

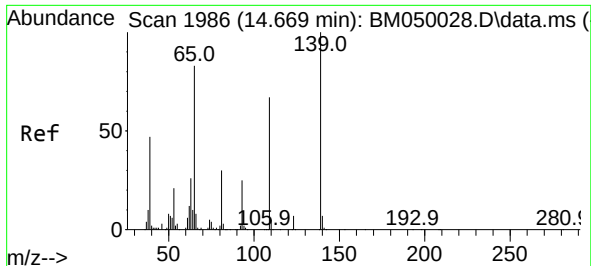
Tgt Ion:330 Resp: 1829444
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 23.2 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 49.541 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.018 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

Tgt Ion:172 Resp: 5532951
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 23.4 18.6 28.0

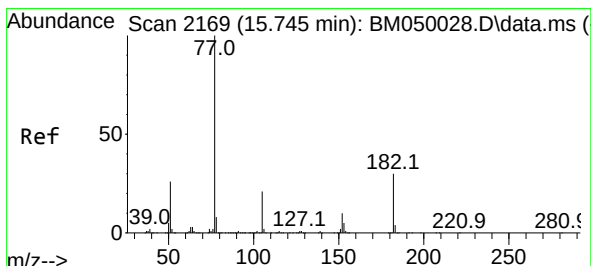
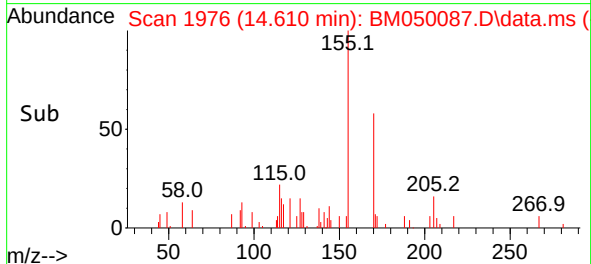
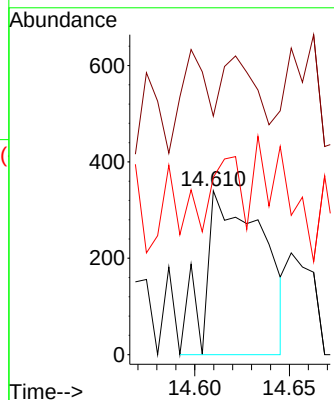
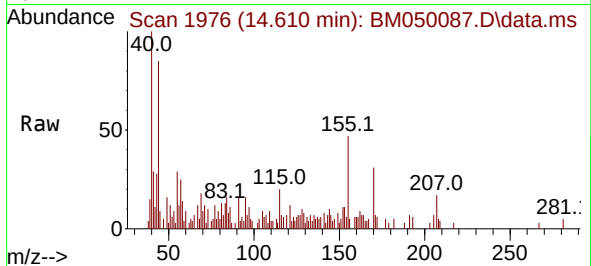




#56
4-Nitrophenol
Concen: 4.577 ng
RT: 14.610 min Scan# 1986
Delta R.T. -0.059 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

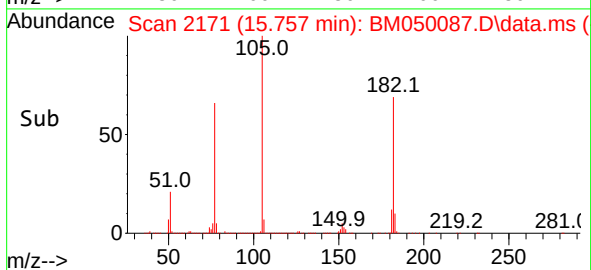
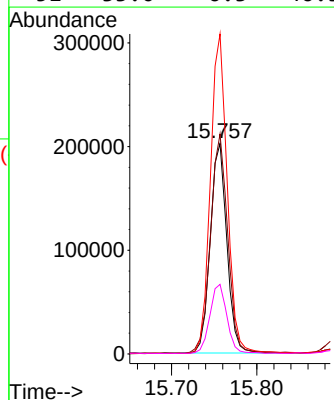
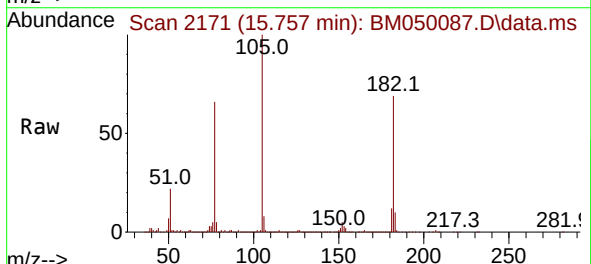
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ClientSampleId :
SS-3

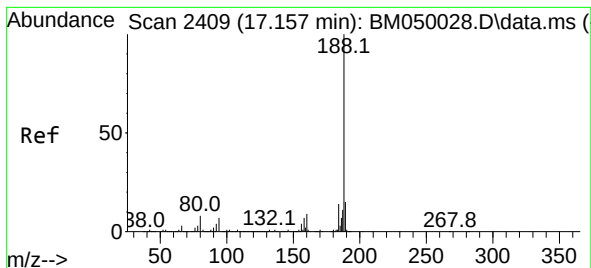
Tgt Ion:139 Resp: 718
Ion Ratio Lower Upper
139 100
109 145.6 47.0 87.0#
65 108.2 64.3 104.3#



#63
Azobenzene
Concen: 3.601 ng
RT: 15.757 min Scan# 2171
Delta R.T. 0.012 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

Tgt Ion: 77 Resp: 274591
Ion Ratio Lower Upper
77 100
182 104.5 10.5 50.5#
105 152.0 1.1 41.1#
51 33.0 6.3 46.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.139 min Scan# 2406

Delta R.T. -0.018 min

Lab File: BM050087.D

Acq: 02 May 2025 15:58

Instrument :

BNA_M

ClientSampleId :

SS-3

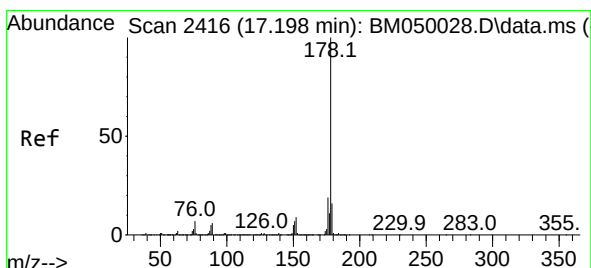
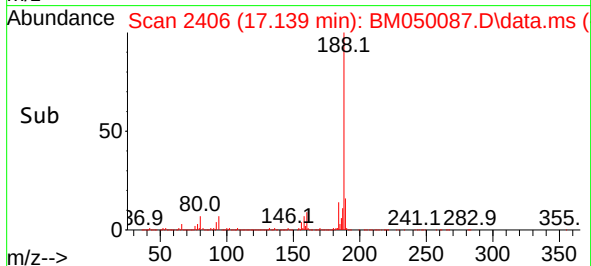
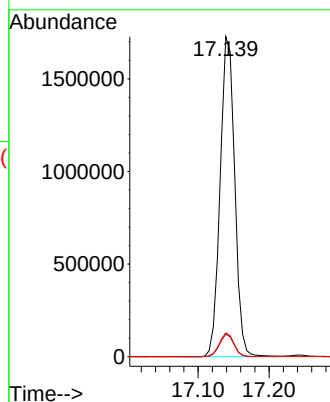
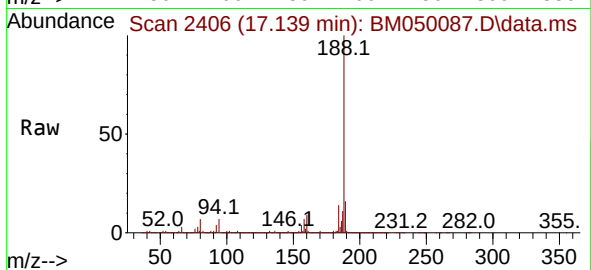
Tgt Ion:188 Resp: 2453882

Ion Ratio Lower Upper

188 100

94 7.1 5.7 8.5

80 7.5 6.2 9.4



#71

Phenanthrene

Concen: 7.172 ng

RT: 17.186 min Scan# 2414

Delta R.T. -0.012 min

Lab File: BM050087.D

Acq: 02 May 2025 15:58

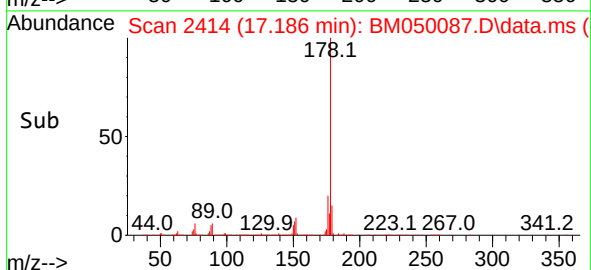
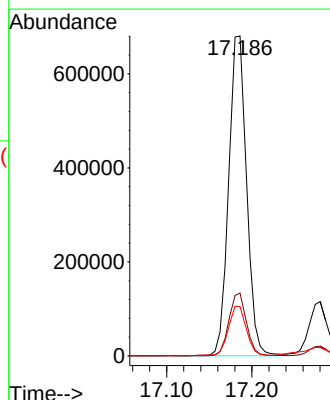
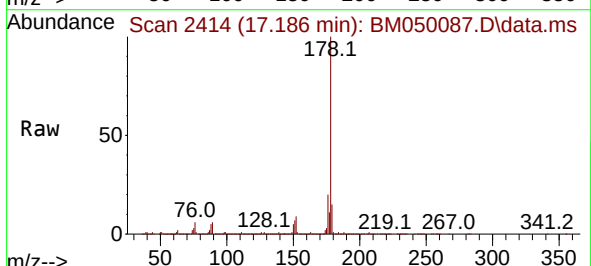
Tgt Ion:178 Resp: 992681

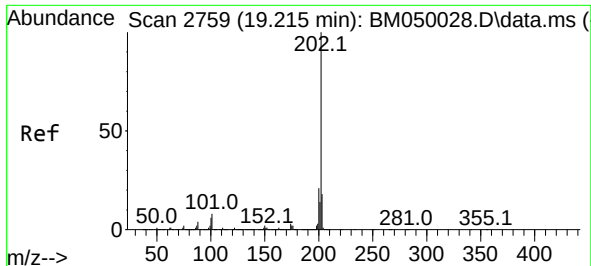
Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

179 15.4 12.4 18.6

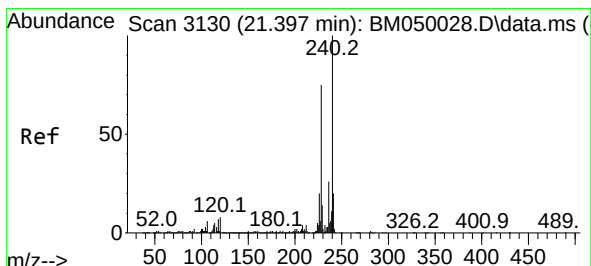
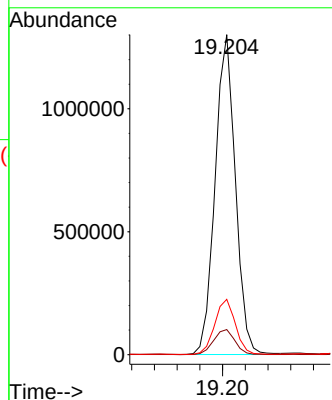
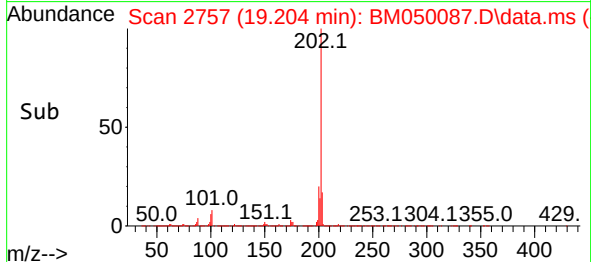
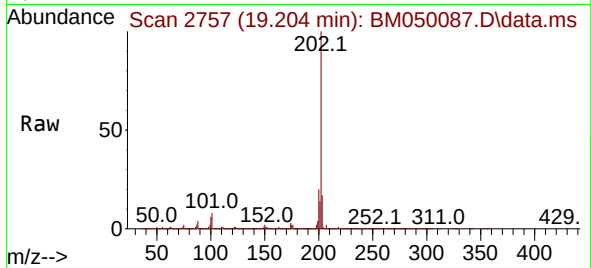




#75
Fluoranthene
Concen: 9.933 ng
RT: 19.204 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

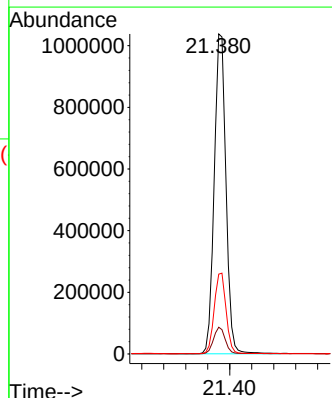
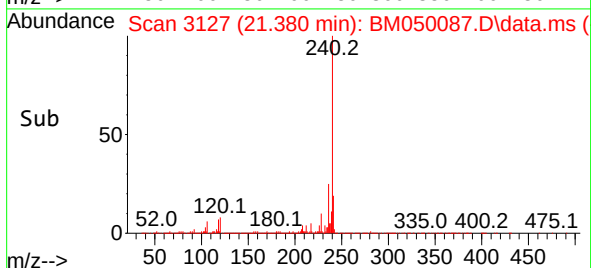
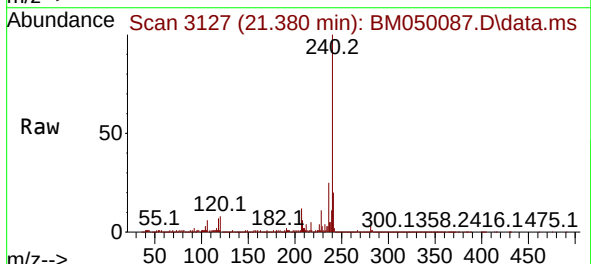
Instrument :
BNA_M
ClientSampleId :
SS-3

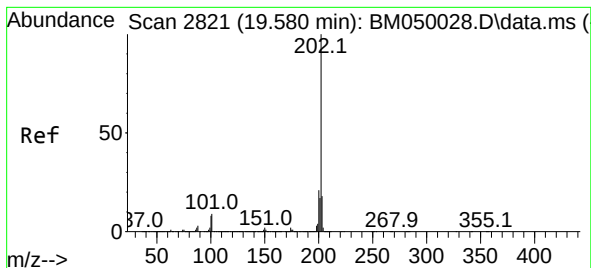
Tgt Ion:202 Resp: 1614052
Ion Ratio Lower Upper
202 100
101 7.9 0.0 28.0
203 17.3 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.017 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

Tgt Ion:240 Resp: 1539109
Ion Ratio Lower Upper
240 100
120 8.4 6.5 9.7
236 25.0 20.9 31.3





#78

Pyrene

Concen: 12.327 ng

RT: 19.568 min Scan# 2

Delta R.T. -0.012 min

Lab File: BM050087.D

Acq: 02 May 2025 15:58

Instrument :

BNA_M

ClientSampleId :

SS-3

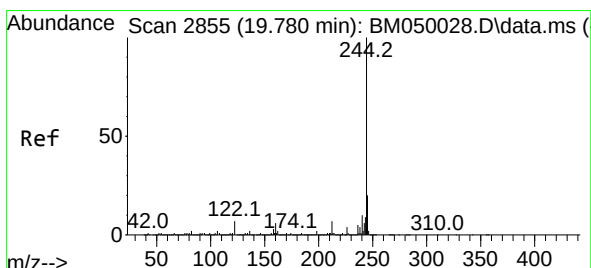
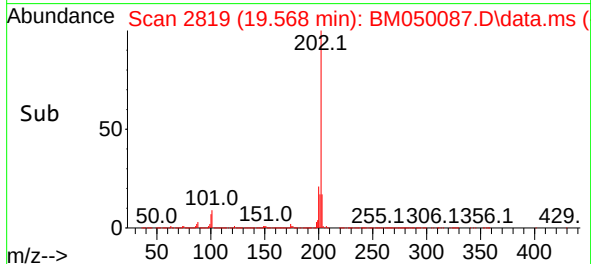
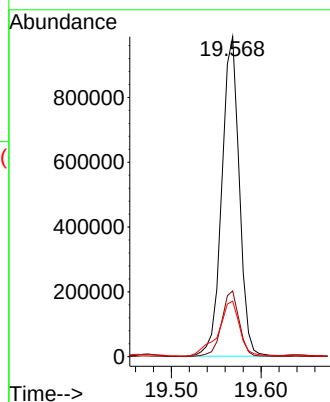
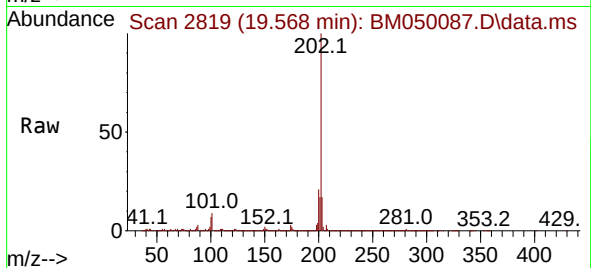
Tgt Ion:202 Resp: 1332361

Ion Ratio Lower Upper

202 100

200 20.6 16.7 25.1

203 17.4 14.1 21.1



#79

Terphenyl-d14

Concen: 56.740 ng

RT: 19.768 min Scan# 2853

Delta R.T. -0.012 min

Lab File: BM050087.D

Acq: 02 May 2025 15:58

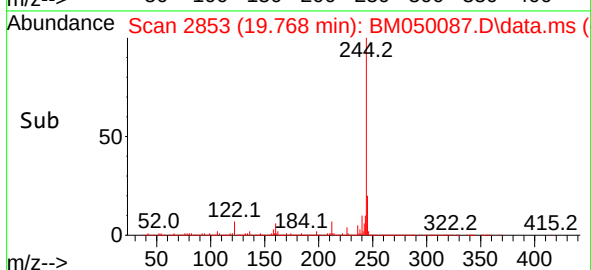
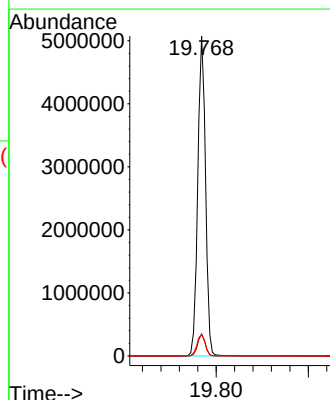
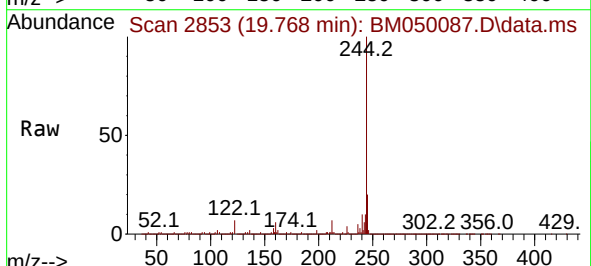
Tgt Ion:244 Resp: 5901667

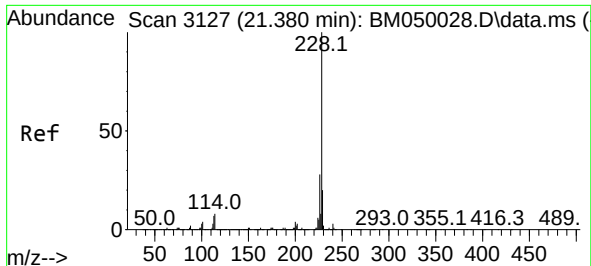
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 6.7 5.6 8.4

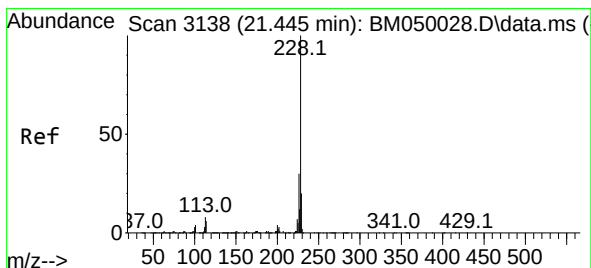
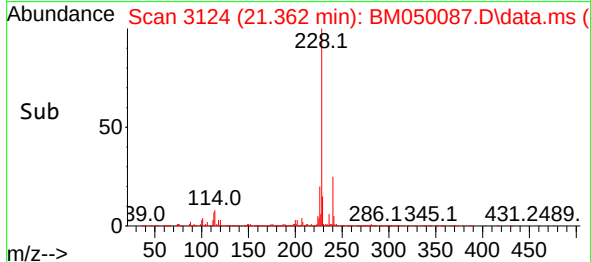
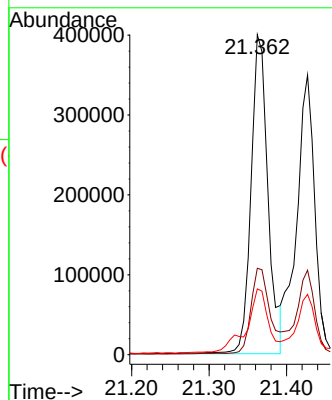
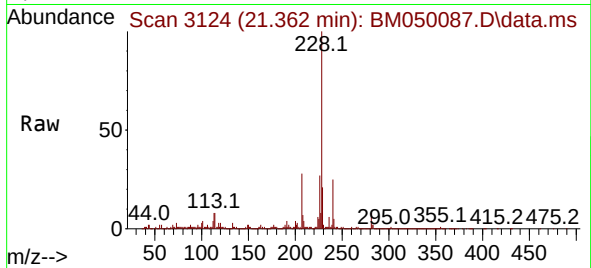




#81
Benzo(a)anthracene
Concen: 5.711 ng
RT: 21.362 min Scan# 3124
Delta R.T. -0.018 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

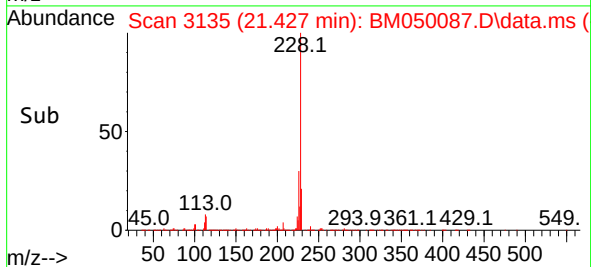
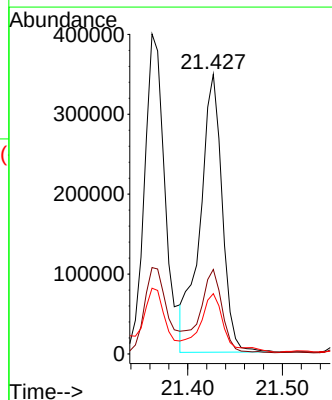
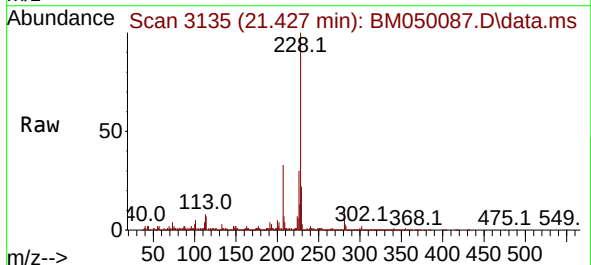
Instrument :
BNA_M
ClientSampleId :
SS-3

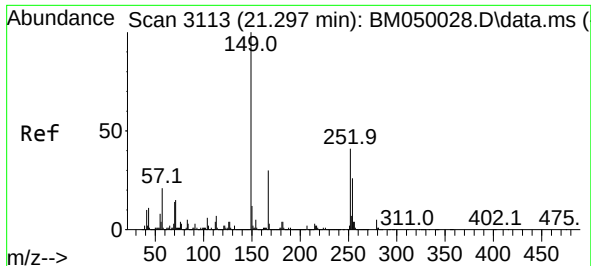
Tgt Ion:228 Resp: 605254
Ion Ratio Lower Upper
228 100
226 27.0 22.1 33.1
229 20.6 15.7 23.5



#83
Chrysene
Concen: 5.758 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.018 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

Tgt Ion:228 Resp: 564813
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.2
229 21.5 15.7 23.5

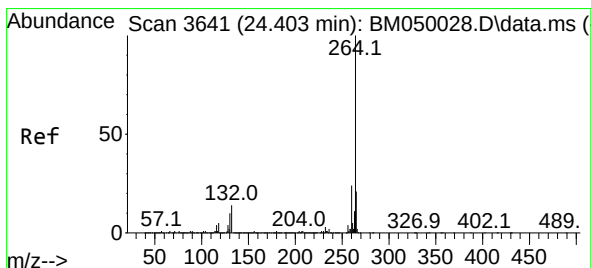
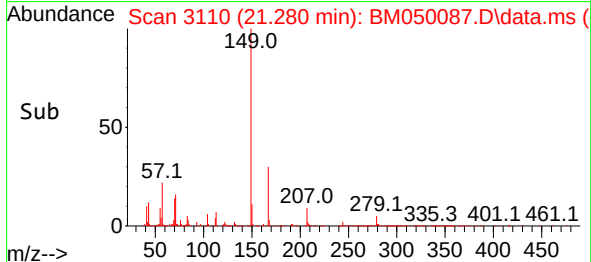
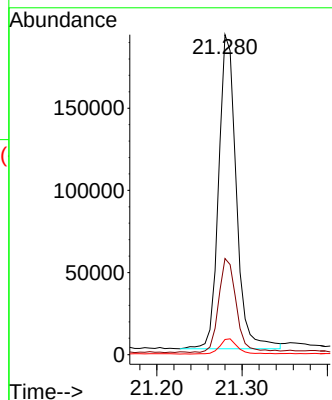
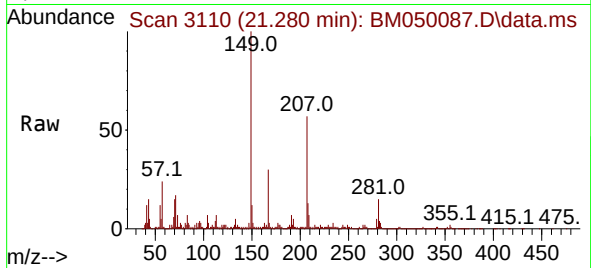




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.549 ng
RT: 21.280 min Scan# 3110
Delta R.T. -0.018 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

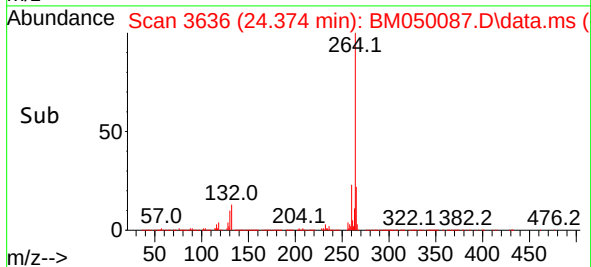
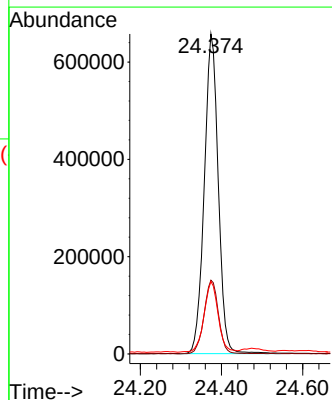
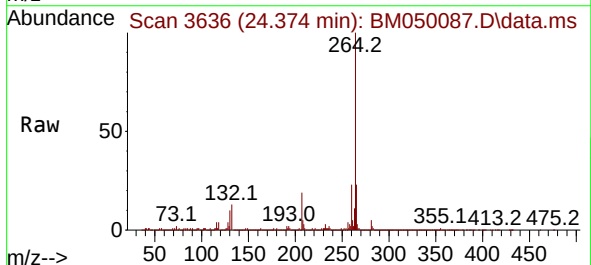
Instrument :
BNA_M
ClientSampleId :
SS-3

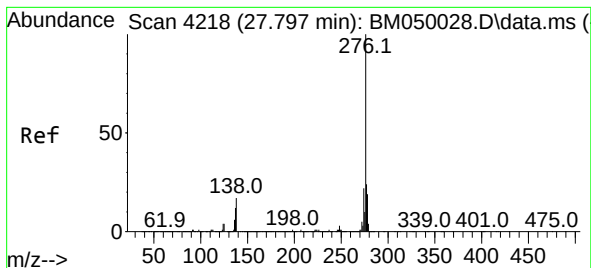
Tgt Ion:149 Resp: 275035
Ion Ratio Lower Upper
149 100
167 30.1 24.1 36.1
279 4.8 3.9 5.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.029 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

Tgt Ion:264 Resp: 1571300
Ion Ratio Lower Upper
264 100
260 23.0 18.8 28.2
265 22.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.585 ng

RT: 27.750 min Scan# 41

Delta R.T. -0.047 min

Lab File: BM050087.D

Acq: 02 May 2025 15:58

Instrument :

BNA_M

ClientSampleId :

SS-3

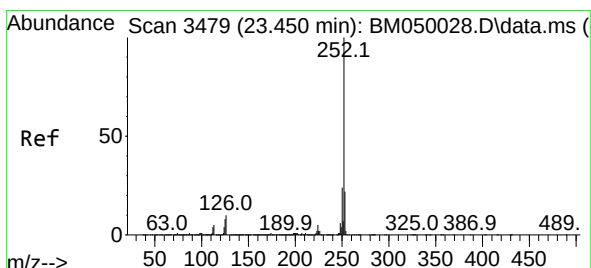
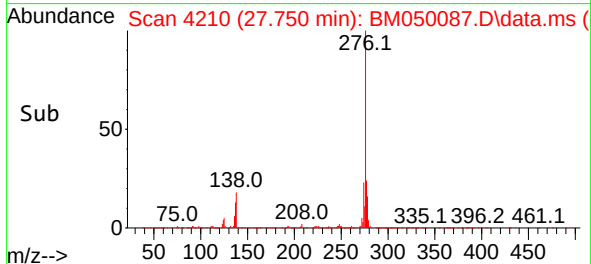
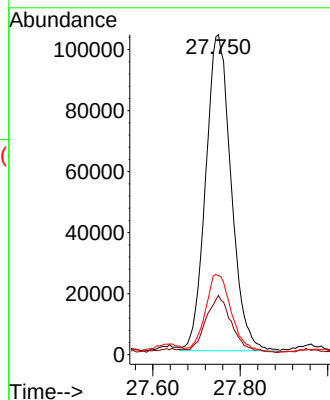
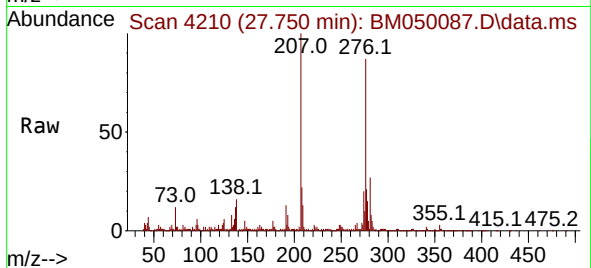
Tgt Ion:276 Resp: 419737

Ion Ratio Lower Upper

276 100

138 18.3 16.4 24.6

277 25.5 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 7.295 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.018 min

Lab File: BM050087.D

Acq: 02 May 2025 15:58

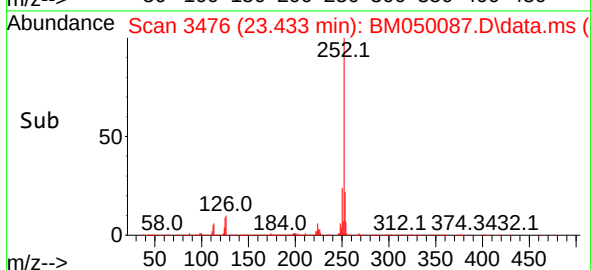
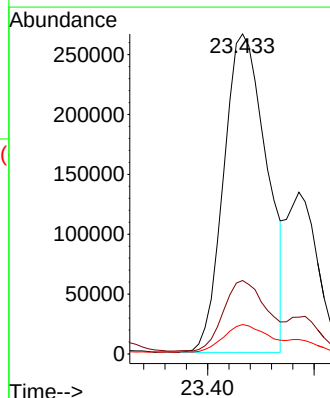
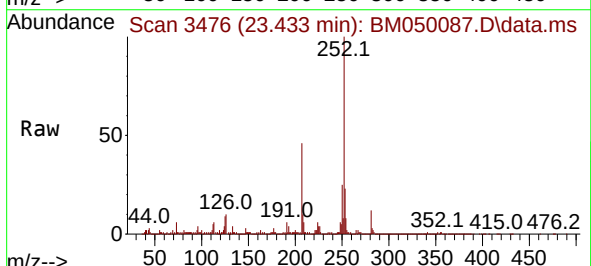
Tgt Ion:252 Resp: 745476

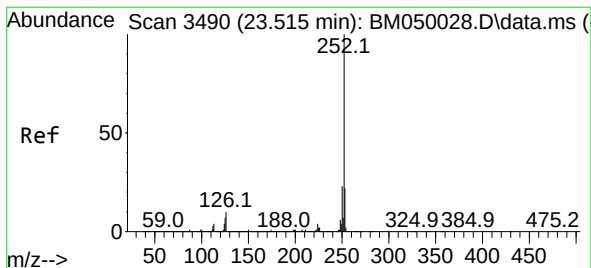
Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 9.2 6.1 9.1#





#89

Benzo(k)fluoranthene

Concen: 7.212 ng

RT: 23.433 min Scan# 34

Delta R.T. -0.082 min

Lab File: BM050087.D

Acq: 02 May 2025 15:58

Instrument :

BNA_M

ClientSampleId :

SS-3

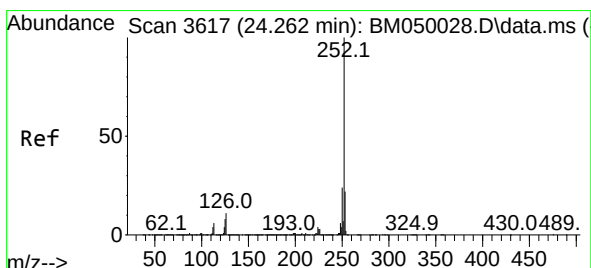
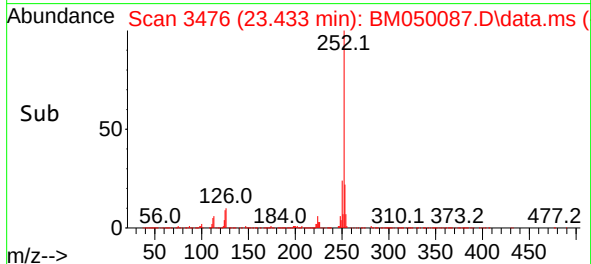
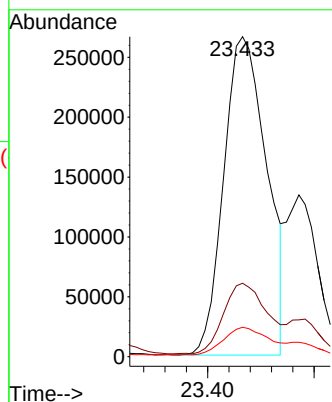
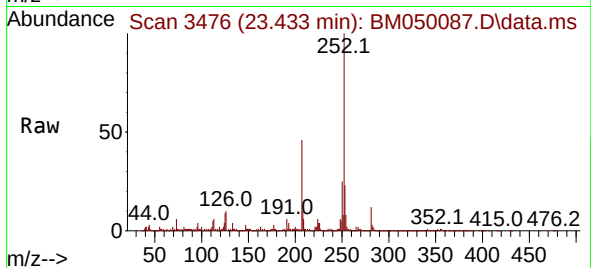
Tgt Ion:252 Resp: 745476

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

125 9.2 5.8 8.8#



#90

Benzo(a)pyrene

Concen: 5.643 ng

RT: 24.233 min Scan# 3612

Delta R.T. -0.029 min

Lab File: BM050087.D

Acq: 02 May 2025 15:58

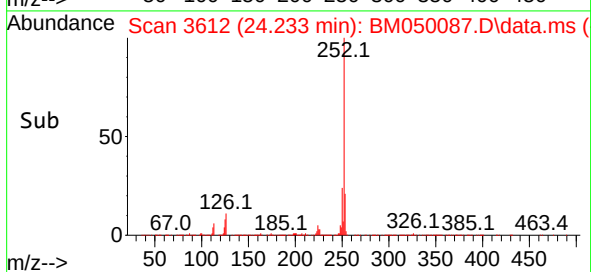
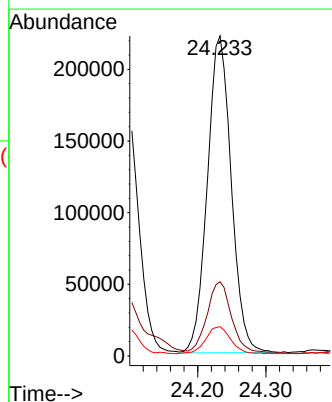
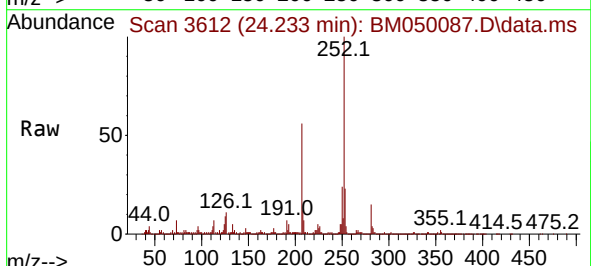
Tgt Ion:252 Resp: 540093

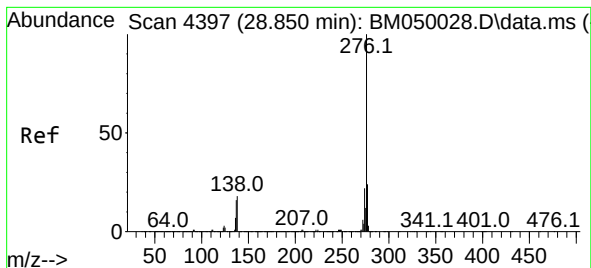
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 9.1 6.6 9.8





#92

Benzo(g,h,i)perylene

Concen: 5.082 ng

RT: 28.803 min Scan# 41

Delta R.T. -0.047 min

Lab File: BM050087.D

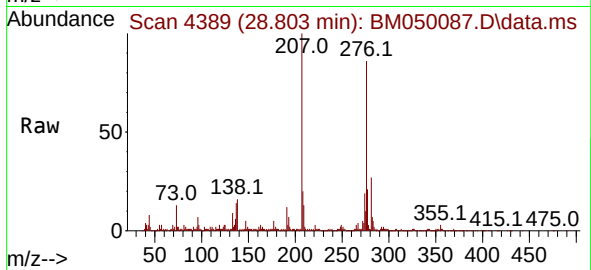
Acq: 02 May 2025 15:58

Instrument :

BNA_M

ClientSampleId :

SS-3



Tgt Ion:276 Resp: 464326

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 18.4 14.3 21.5

