

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042125\
 Data File : BM049987.D
 Acq On : 21 Apr 2025 16:32
 Operator : RC/JU
 Sample : Q1832-31DL 50X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-6DL

Quant Time: Apr 21 17:07:48 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)

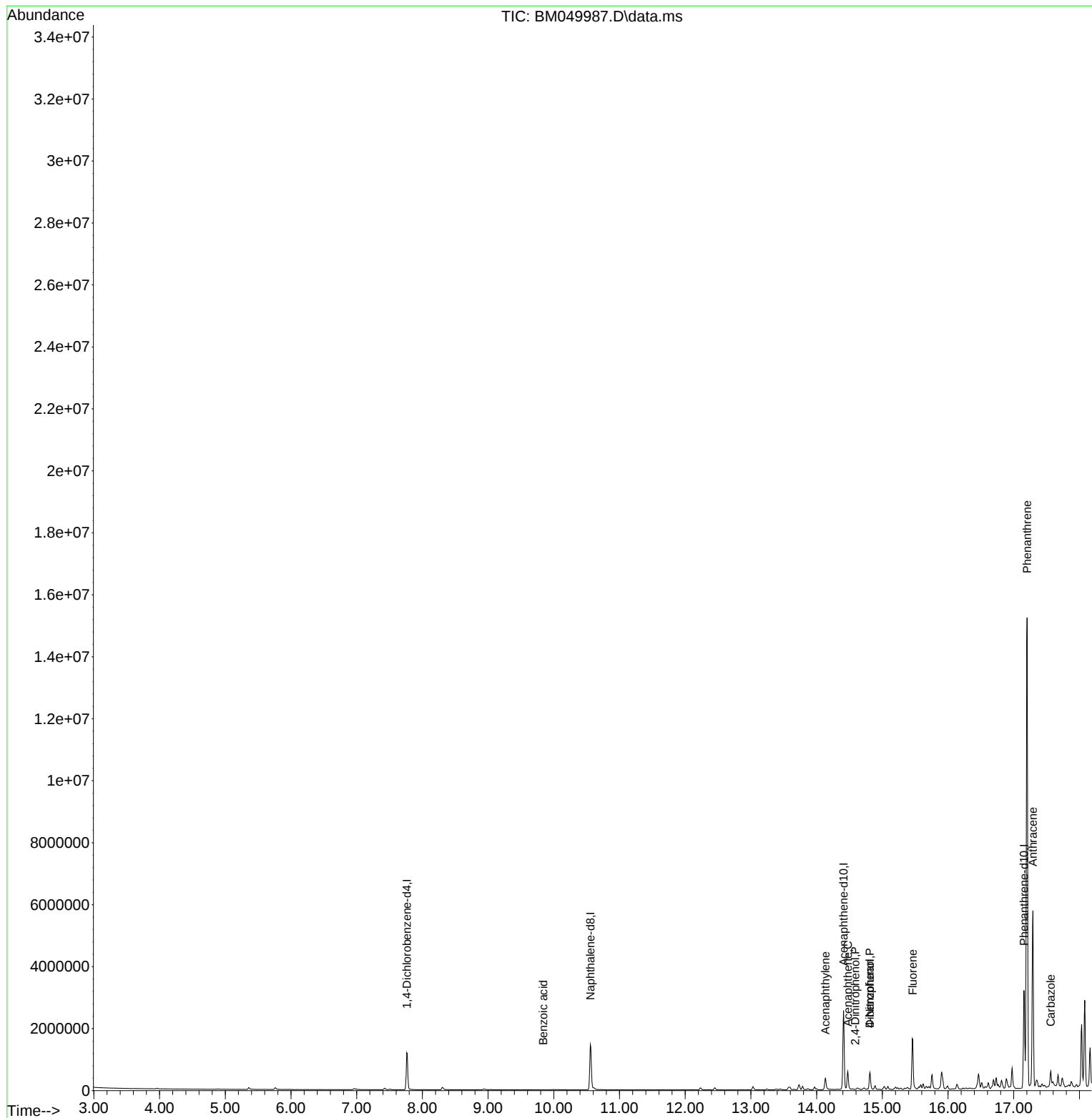
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	363301	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	1337225	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	926848	20.000	ng	-0.01
64) Phenanthrene-d10	17.156	188	1958359	20.000	ng	0.00
76) Chrysene-d12	21.403	240	2104484	20.000	ng	0.00
86) Perylene-d12	24.403	264	1677914	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	29668	1.387	ng	0.00
7) Phenol-d6	6.963	99	32830	1.233	ng	0.01
23) Nitrobenzene-d5	8.933	82	22491	0.937	ng	0.00
42) 2,4,6-Tribromophenol	15.909	330	18854	1.399	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	68662	1.005	ng	-0.01
79) Terphenyl-d14	19.780	244	155605	1.386	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.839	122	117	8.544	ng	# 44
49) Acenaphthylene	14.133	152	327532	4.152	ng	99
52) Acenaphthene	14.474	154	208870	4.163	ng	97
54) 2,4-Dinitrophenol	14.586	184	63	7.230	ng	# 1
55) Dibenzofuran	14.809	168	355063	4.233	ng	99
56) 4-Nitrophenol	14.809	139	116516	9.875	ng	# 13
58) Fluorene	15.462	166	774218	11.612	ng	99
71) Phenanthrene	17.203	178	9611660	89.523	ng	99
72) Anthracene	17.292	178	3591612	33.945	ng	99
73) Carbazole	17.562	167	334734	3.359	ng	99
75) Fluoranthene	19.215	202	15543802	117.747	ng	93
78) Pyrene	19.580	202	13963863	96.278	ng	# 90
81) Benzo(a)anthracene	21.386	228	9146285	65.394	ng	96
83) Chrysene	21.444	228	7321297	55.060	ng	96
87) Indeno(1,2,3-cd)pyrene	27.791	276	2793624	22.336	ng	96
88) Benzo(b)fluoranthene	23.462	252	7453416	69.553	ng	98
89) Benzo(k)fluoranthene	23.515	252	2369314	22.815	ng	97
90) Benzo(a)pyrene	24.268	252	5197391	55.194	ng	99
91) Dibenzo(a,h)anthracene	27.826	278	785075	7.620	ng	94
92) Benzo(g,h,i)perylene	28.850	276	2464094	23.406	ng	99

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

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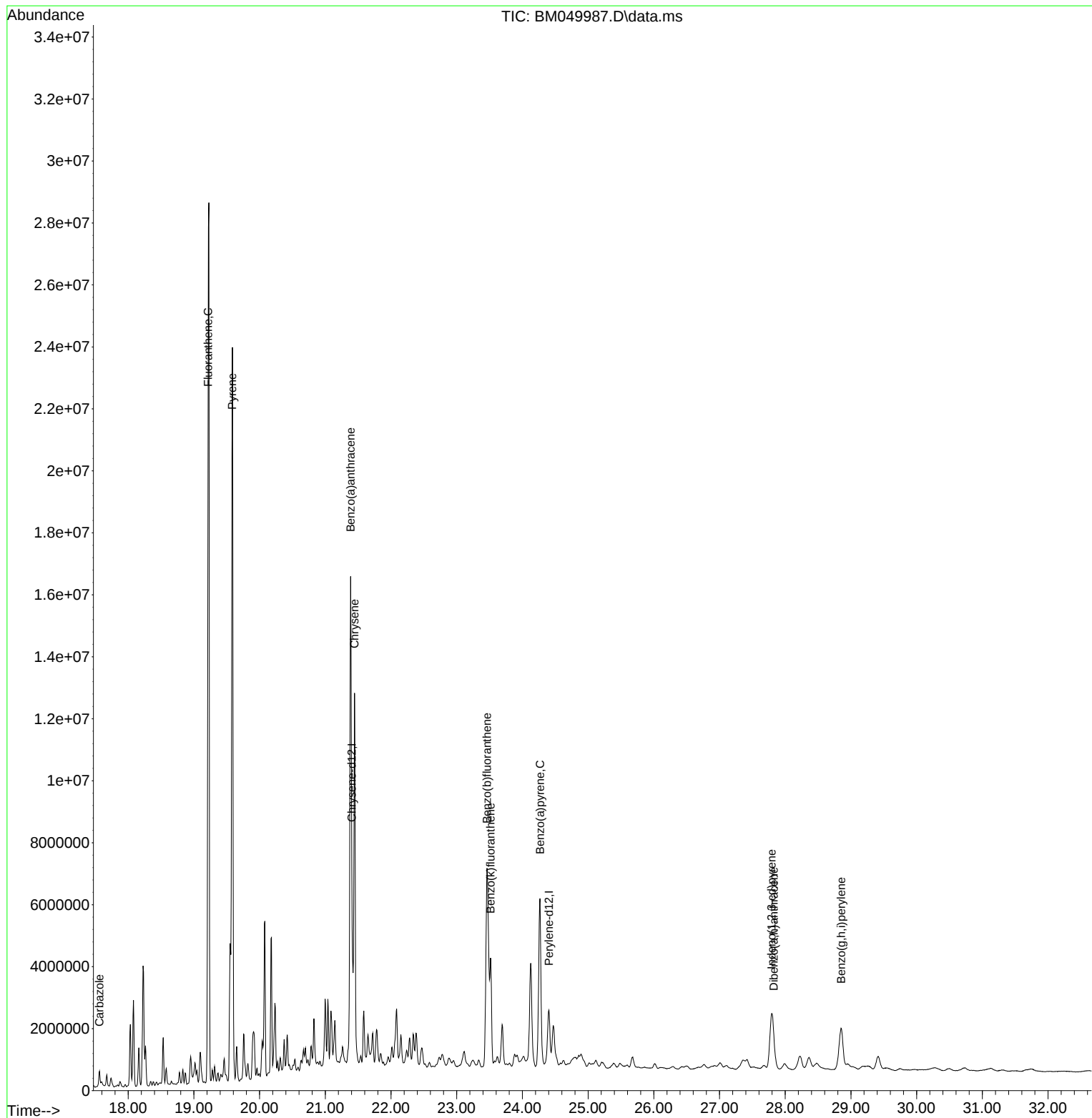
Quant Time: Apr 21 17:07:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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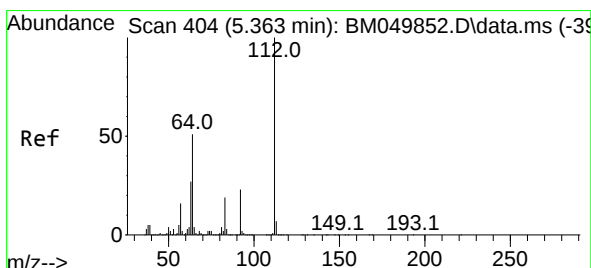
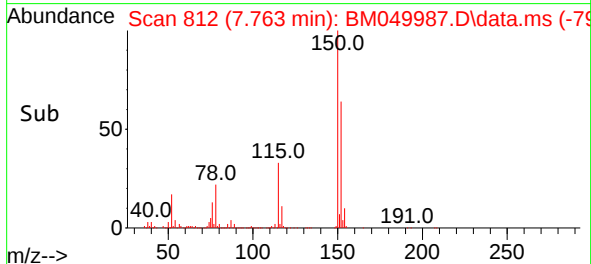
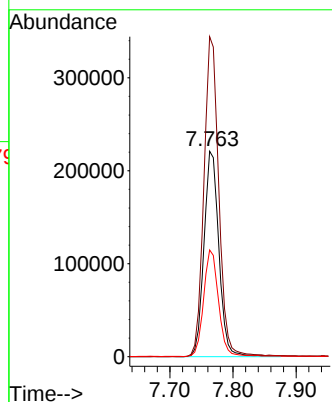
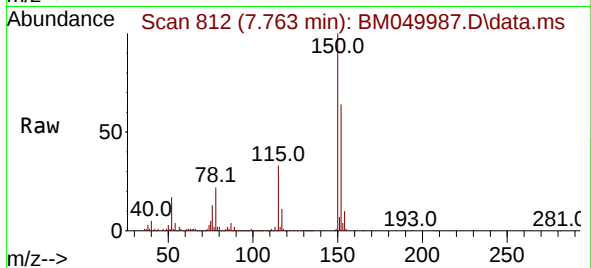




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

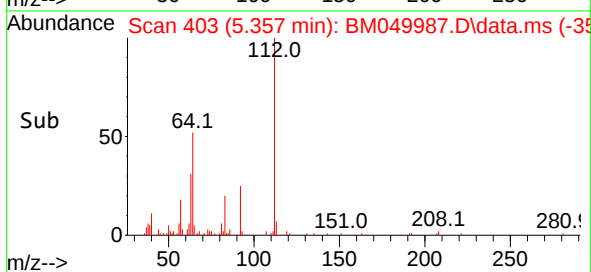
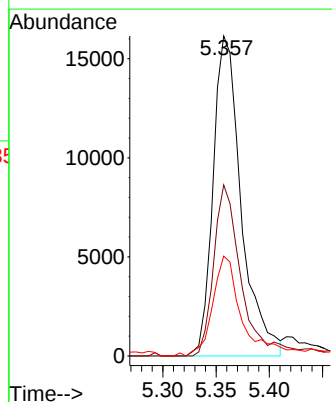
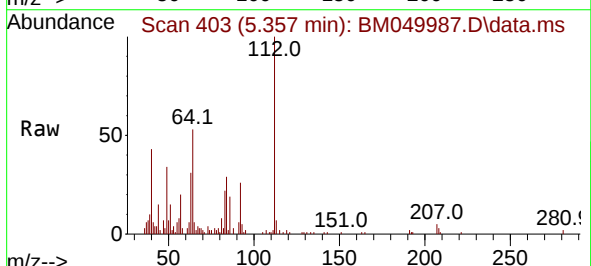
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6DL

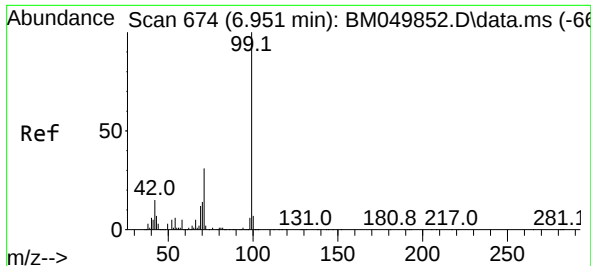
Tgt Ion:152 Resp: 363301
Ion Ratio Lower Upper
152 100
150 155.8 124.3 186.5
115 52.0 41.1 61.7



#5
2-Fluorophenol
Concen: 1.387 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

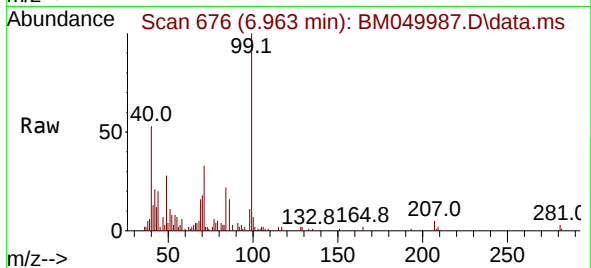
Tgt Ion:112 Resp: 29668
Ion Ratio Lower Upper
112 100
64 53.4 41.0 61.6
63 31.2 21.5 32.3



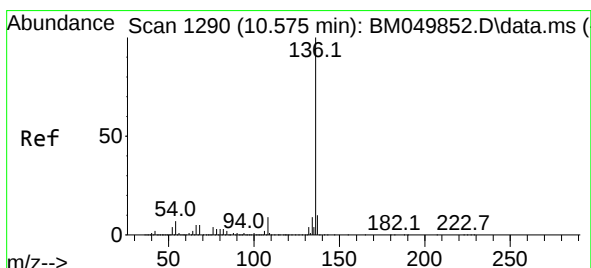
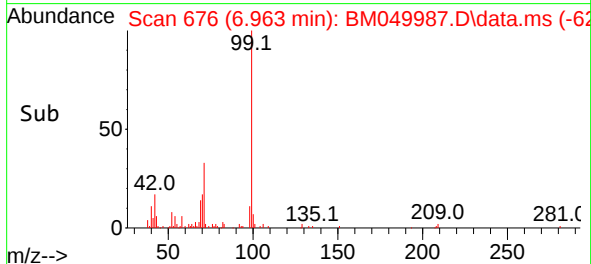
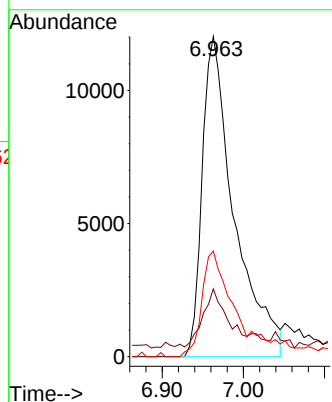


#7
Phenol-d6
Concen: 1.233 ng
RT: 6.963 min Scan# 61
Delta R.T. 0.012 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6DL

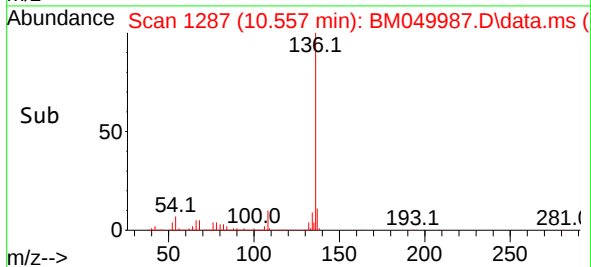
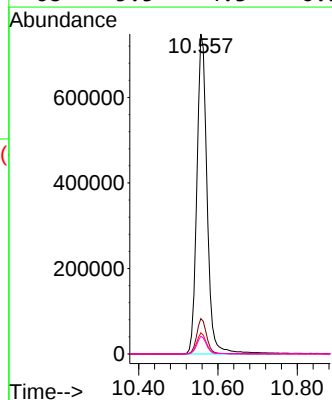
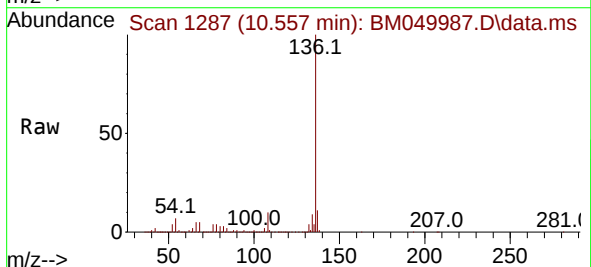


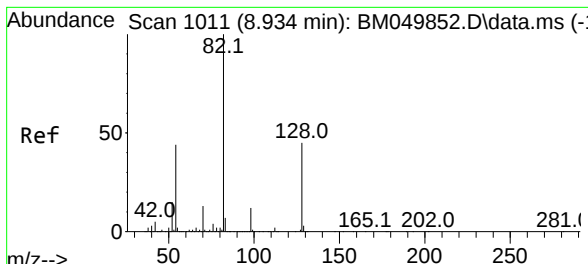
Tgt Ion: 99 Resp: 32830
Ion Ratio Lower Upper
99 100
42 21.2 12.1 18.1#
71 33.0 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

Tgt Ion: 136 Resp: 1337225
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 6.6 5.3 7.9
68 5.5 4.3 6.5

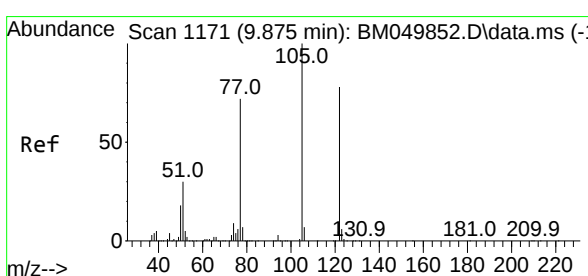
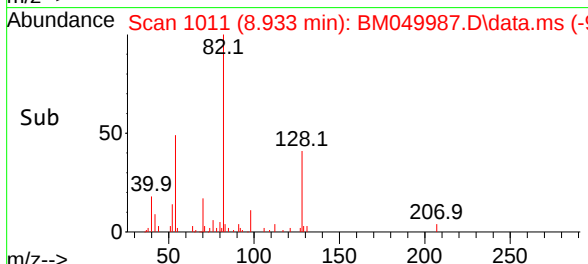
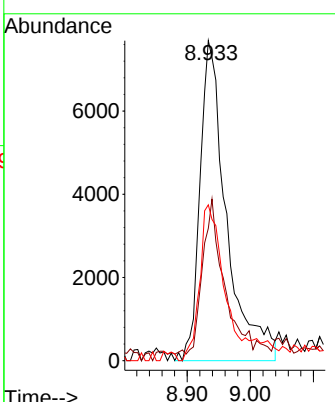
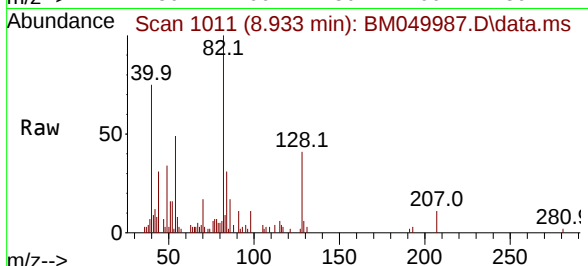




#23
 Nitrobenzene-d5
 Concen: 0.937 ng
 RT: 8.933 min Scan# 1101
 Delta R.T. -0.000 min
 Lab File: BM049987.D
 Acq: 21 Apr 2025 16:32

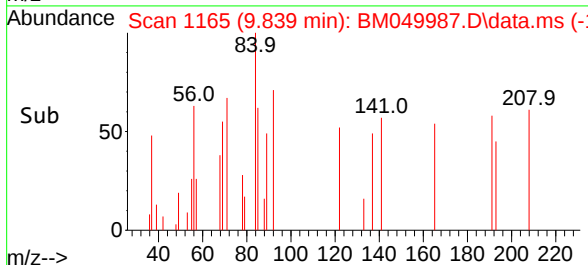
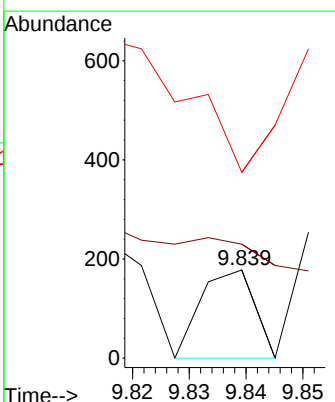
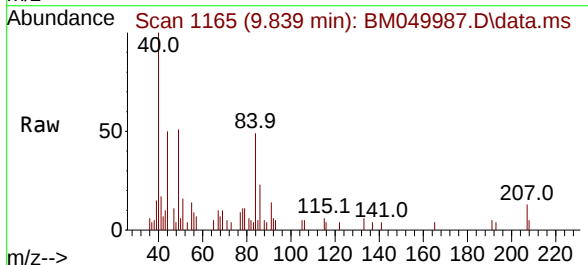
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 PL-714-COMP-6DL

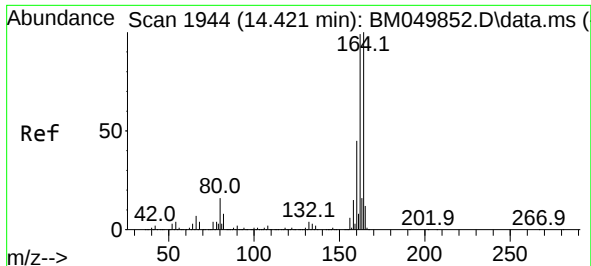
Tgt Ion:	82	Resp:	22491
Ion	Ratio	Lower	Upper
82	100		
128	41.4	36.2	54.2
54	48.7	35.0	52.6



#32
 Benzoic acid
 Concen: 8.544 ng
 RT: 9.839 min Scan# 1165
 Delta R.T. -0.036 min
 Lab File: BM049987.D
 Acq: 21 Apr 2025 16:32

Tgt Ion:	122	Resp:	117
Ion	Ratio	Lower	Upper
122	100		
105	129.2	103.8	143.8
77	210.7	70.7	110.7

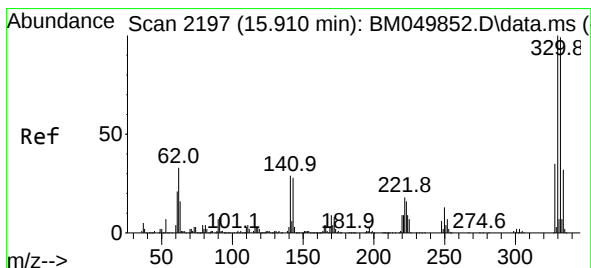
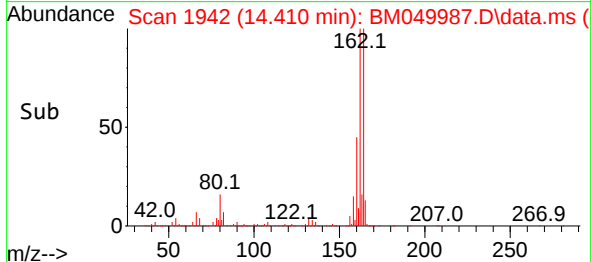
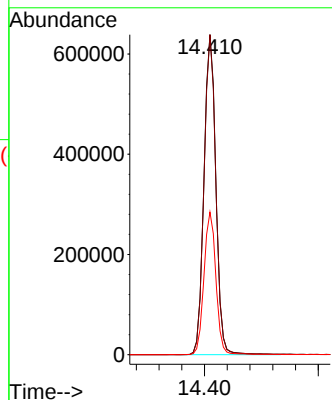
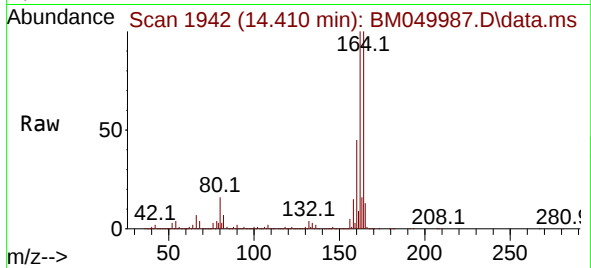




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

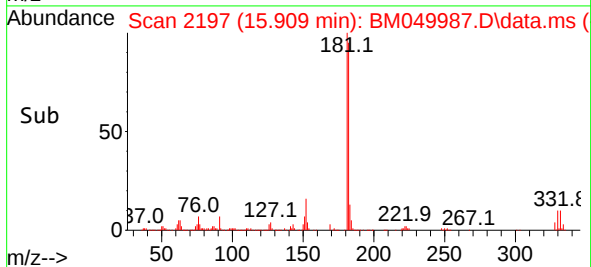
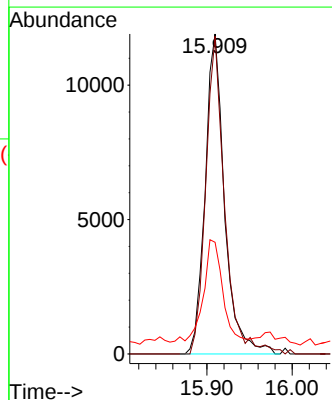
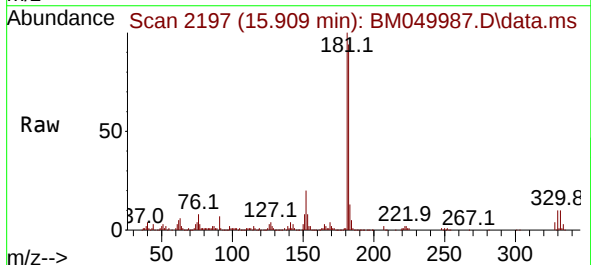
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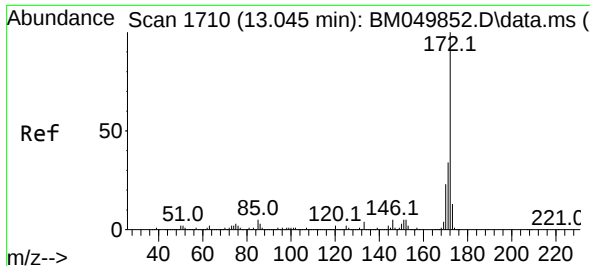
Tgt Ion:164 Resp: 926848
Ion Ratio Lower Upper
164 100
162 100.0 79.4 119.0
160 44.5 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 1.399 ng
RT: 15.909 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

Tgt Ion:330 Resp: 18854
Ion Ratio Lower Upper
330 100
332 96.9 78.0 117.0
141 31.7 23.5 35.3

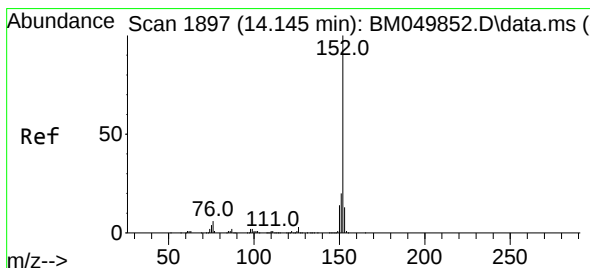
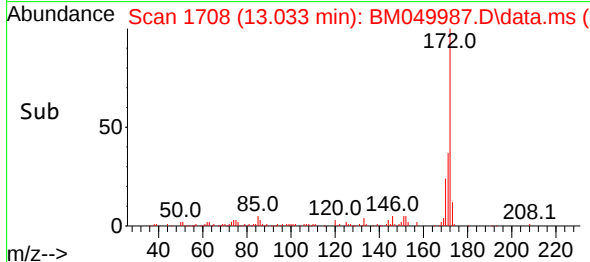
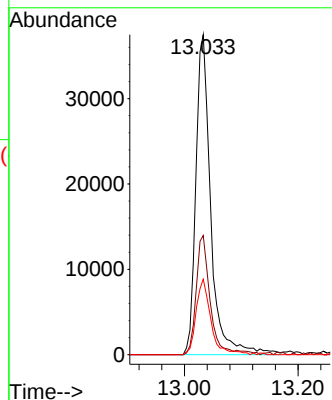
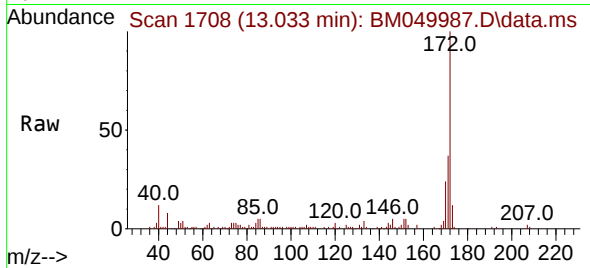




#45
2-Fluorobiphenyl
Concen: 1.005 ng
RT: 13.033 min Scan# 1710
Delta R.T. -0.012 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

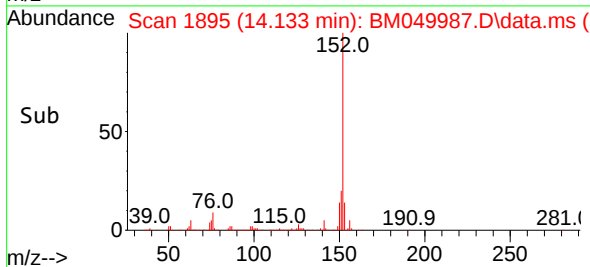
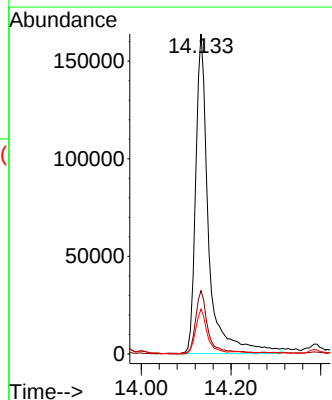
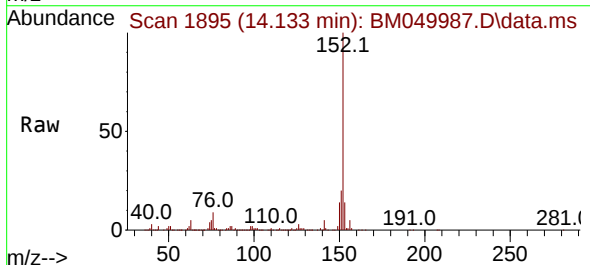
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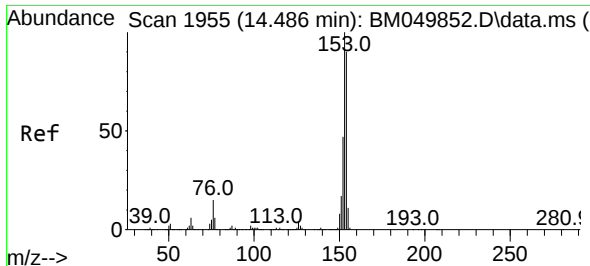
Tgt Ion:172 Resp: 68662
Ion Ratio Lower Upper
172 100
171 37.3 27.4 41.2
170 23.6 18.6 28.0



#49
Acenaphthylene
Concen: 4.152 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.012 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

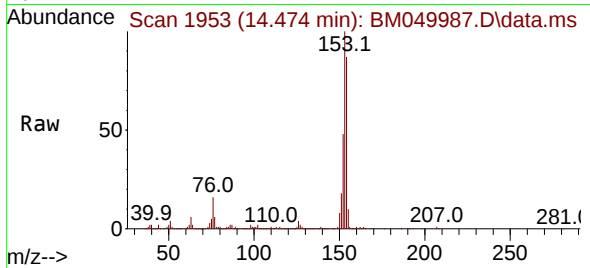
Tgt Ion:152 Resp: 327532
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 14.0 10.4 15.6



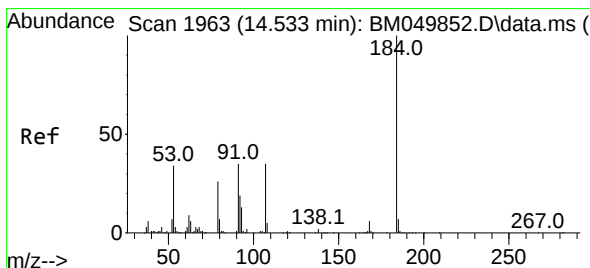
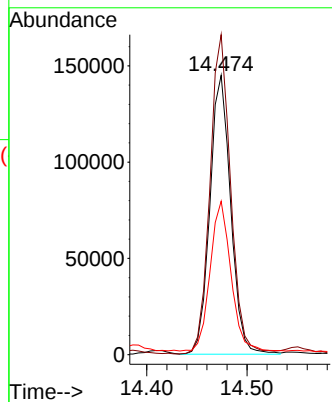
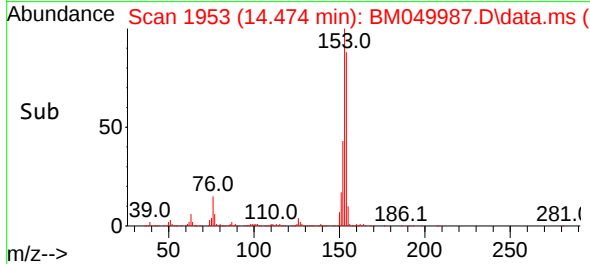


#52
Acenaphthene
Concen: 4.163 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.012 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

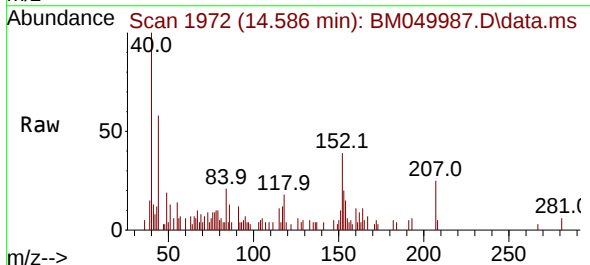
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PL-714-COMP-6DL



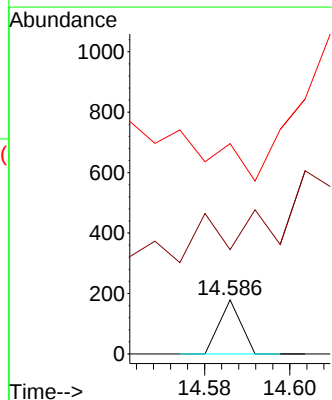
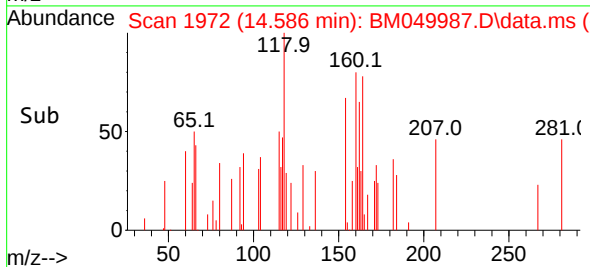
Tgt Ion:154 Resp: 208870
Ion Ratio Lower Upper
154 100
153 114.6 89.3 133.9
152 54.9 42.2 63.2

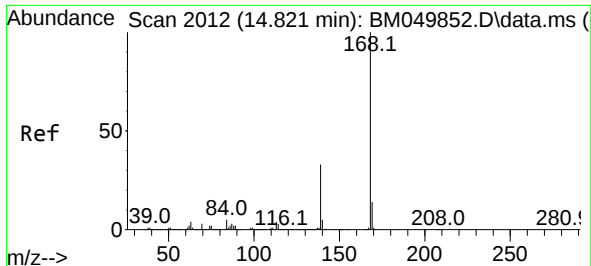


#54
2,4-Dinitrophenol
Concen: 7.230 ng
RT: 14.586 min Scan# 1972
Delta R.T. 0.053 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32



Tgt Ion:184 Resp: 63
Ion Ratio Lower Upper
184 100
63 192.7 38.4 57.6#
154 388.8 48.1 72.1#

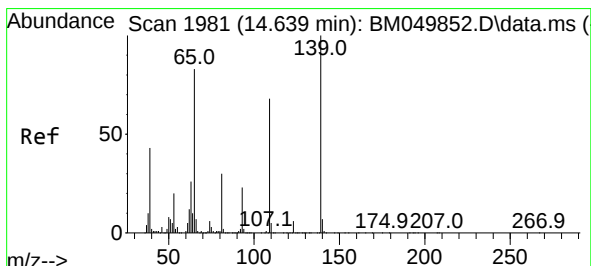
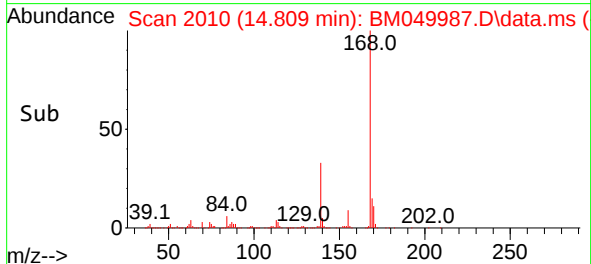
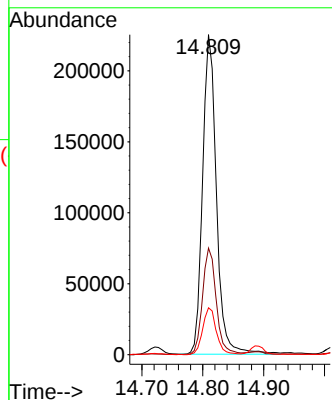
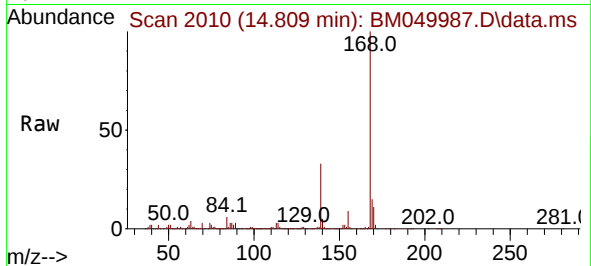




#55
Dibenzenofuran
Concen: 4.233 ng
RT: 14.809 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

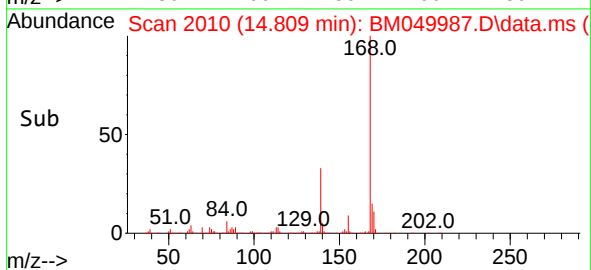
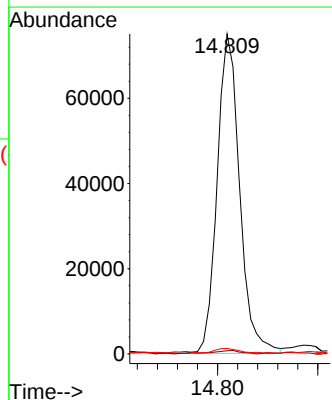
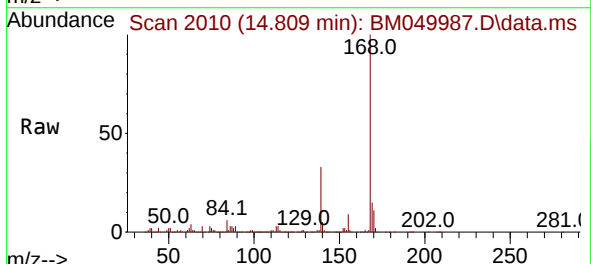
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ClientSampleId :
PL-714-COMP-6DL

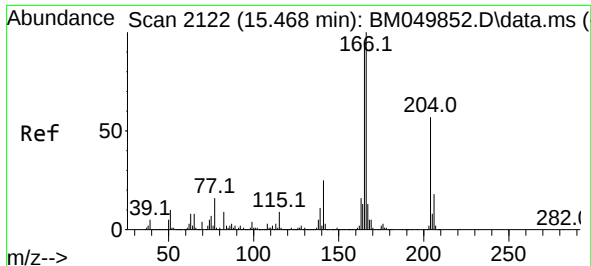
Tgt Ion:168 Resp: 355063
Ion Ratio Lower Upper
168 100
139 33.3 26.6 39.8
169 14.7 11.0 16.4



#56
4-Nitrophenol
Concen: 9.875 ng
RT: 14.809 min Scan# 2010
Delta R.T. 0.170 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

Tgt Ion:139 Resp: 116516
Ion Ratio Lower Upper
139 100
109 1.0 47.9 87.9#
65 1.7 62.7 102.7#

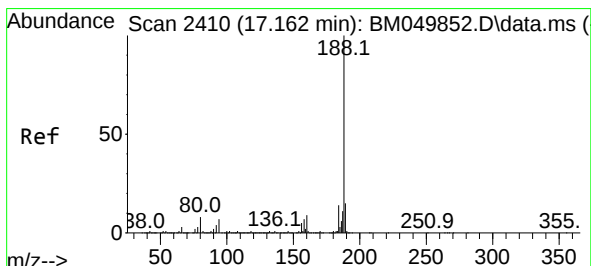
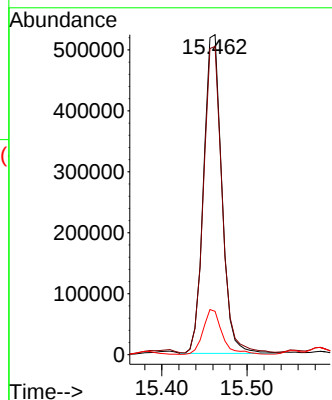
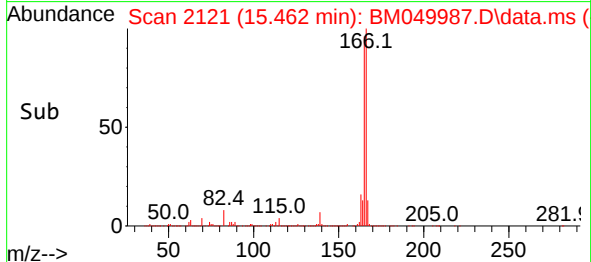
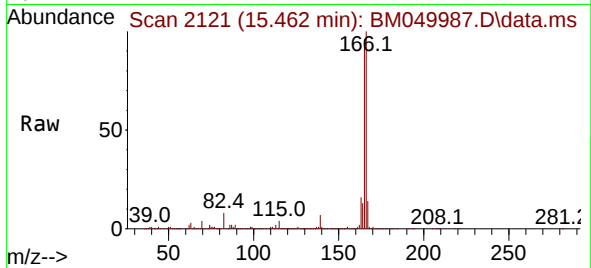




#58
 Fluorene
 Concen: 11.612 ng
 RT: 15.462 min Scan# 2121
 Delta R.T. -0.006 min
 Lab File: BM049987.D
 Acq: 21 Apr 2025 16:32

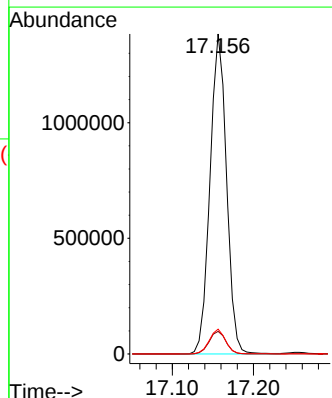
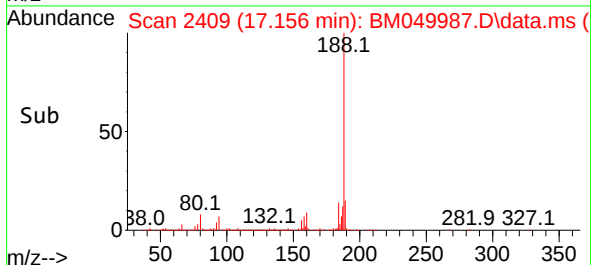
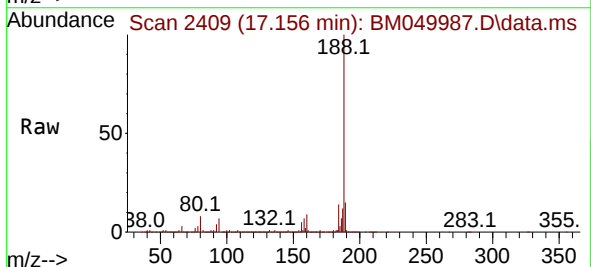
Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-6DL

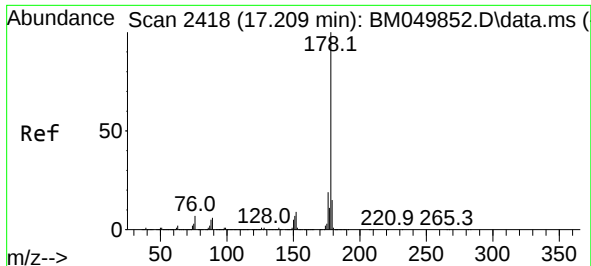
Tgt Ion:166 Resp: 774218
 Ion Ratio Lower Upper
 166 100
 165 96.3 76.3 114.5
 167 13.6 10.7 16.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.156 min Scan# 2409
 Delta R.T. -0.006 min
 Lab File: BM049987.D
 Acq: 21 Apr 2025 16:32

Tgt Ion:188 Resp: 1958359
 Ion Ratio Lower Upper
 188 100
 94 7.1 5.8 8.6
 80 7.7 6.4 9.6

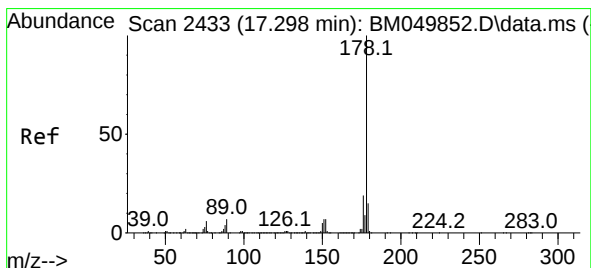
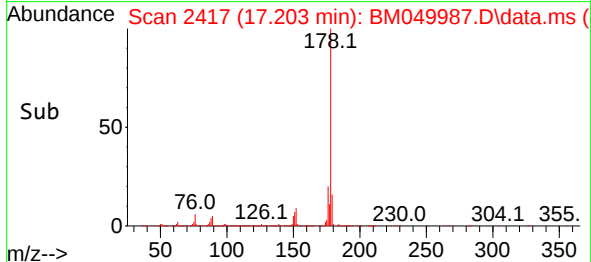
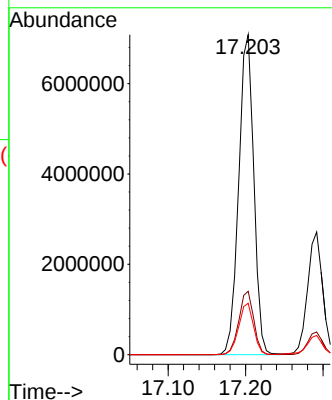
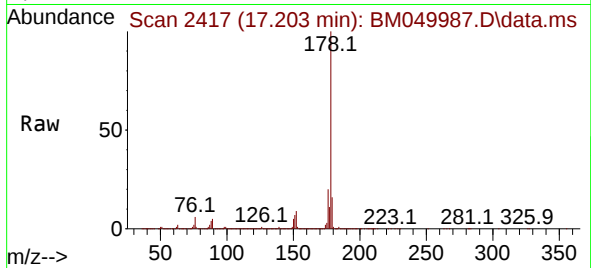




#71
Phenanthrene
Concen: 89.523 ng
RT: 17.203 min Scan# 2418
Delta R.T. -0.006 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

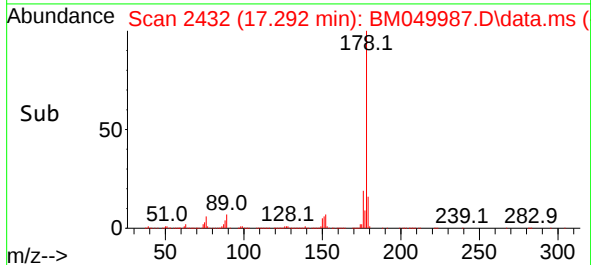
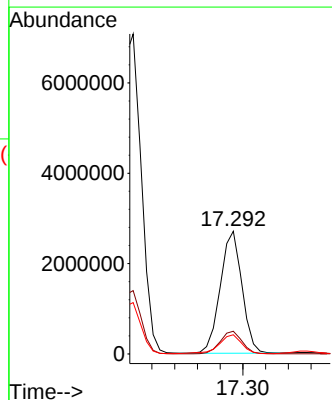
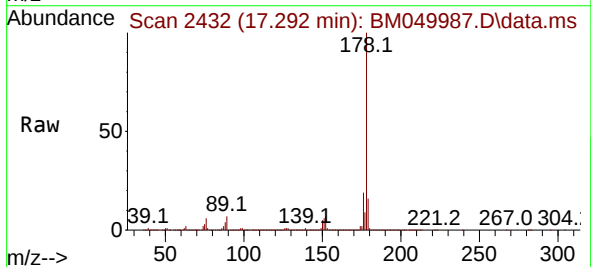
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6DL

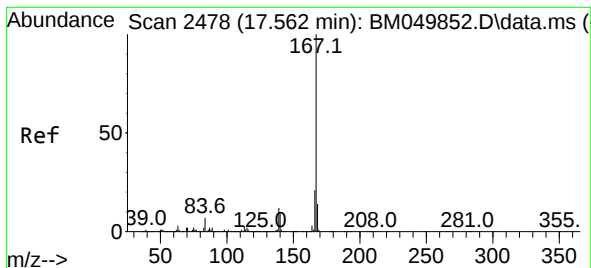
Tgt Ion:178 Resp: 9611660
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.2
179 16.1 12.3 18.5



#72
Anthracene
Concen: 33.945 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

Tgt Ion:178 Resp: 3591612
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 15.7 12.4 18.6





#73

Carbazole

Concen: 3.359 ng

RT: 17.562 min Scan# 24

Delta R.T. -0.000 min

Lab File: BM049987.D

Acq: 21 Apr 2025 16:32

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-6DL

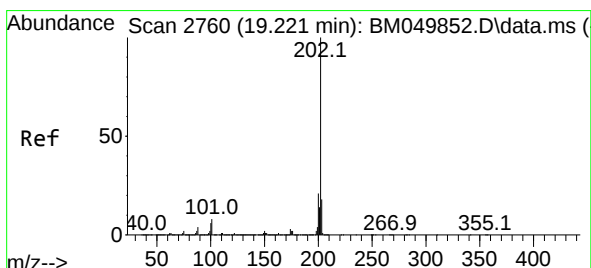
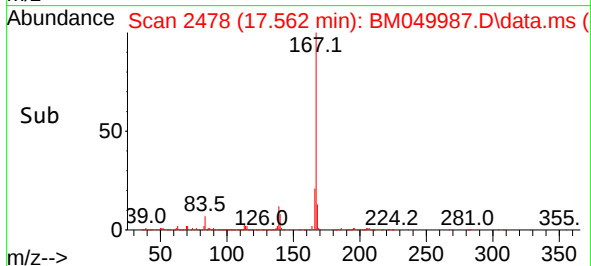
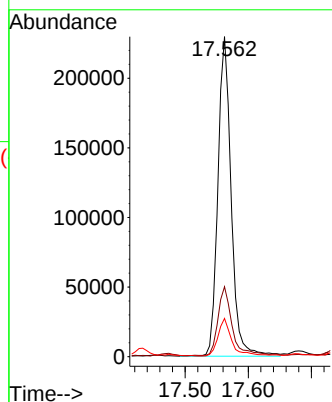
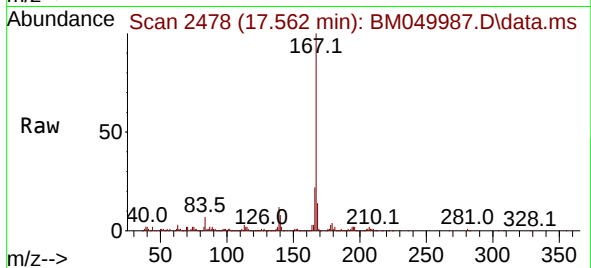
Tgt Ion:167 Resp: 334734

Ion Ratio Lower Upper

167 100

166 21.9 16.9 25.3

139 11.9 9.3 13.9



#75

Fluoranthene

Concen: 117.747 ng

RT: 19.215 min Scan# 2759

Delta R.T. -0.006 min

Lab File: BM049987.D

Acq: 21 Apr 2025 16:32

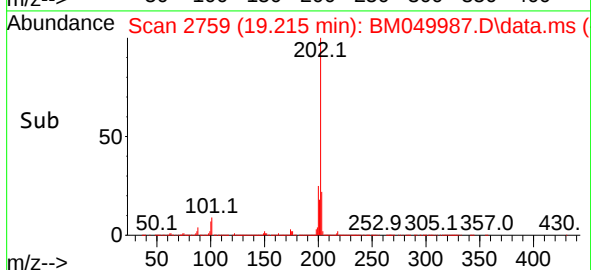
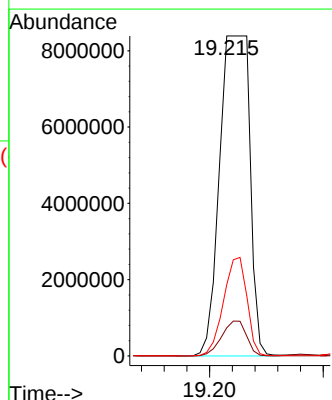
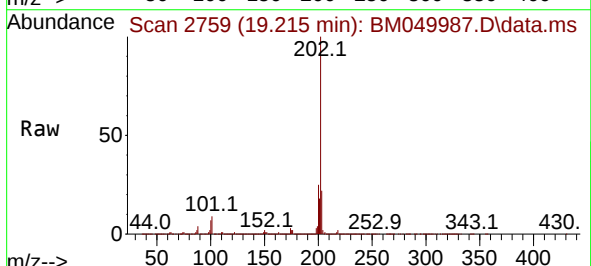
Tgt Ion:202 Resp:15543802

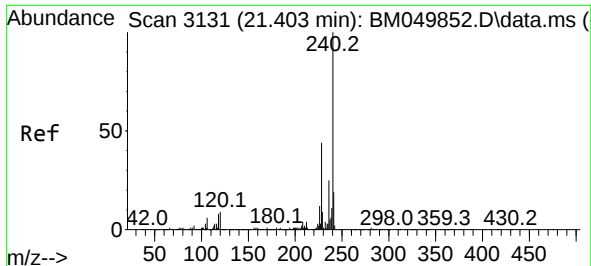
Ion Ratio Lower Upper

202 100

101 8.8 0.0 28.4

203 22.3 0.0 37.8

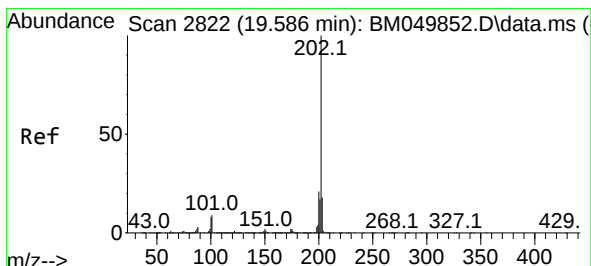
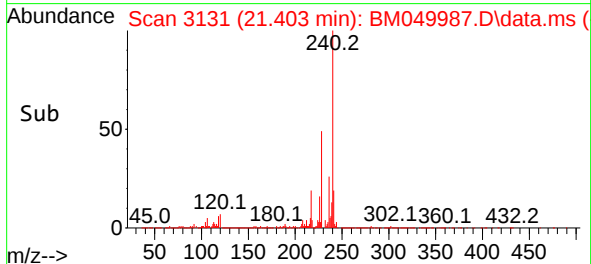
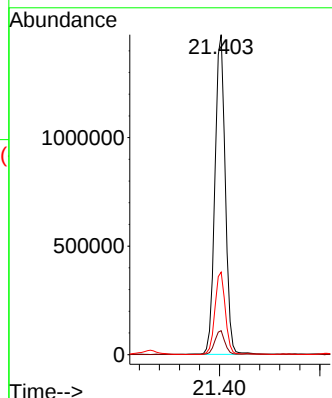
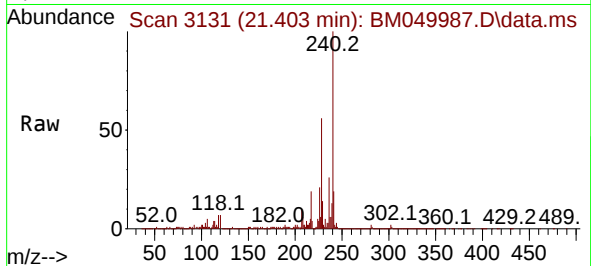




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.000 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

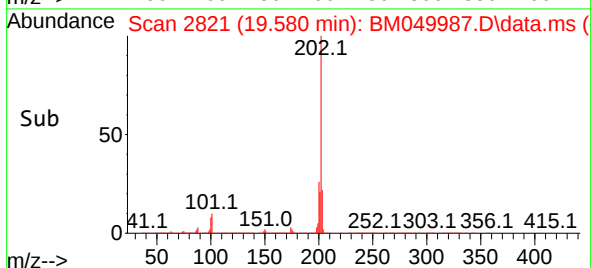
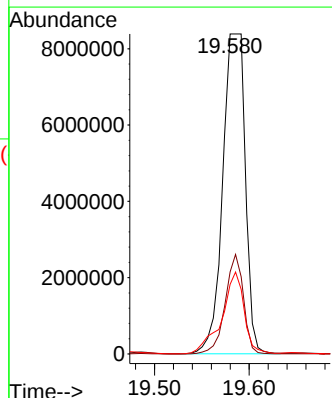
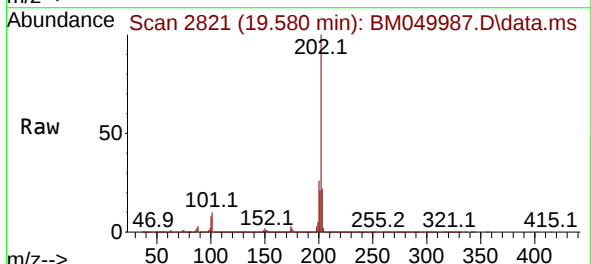
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6DL

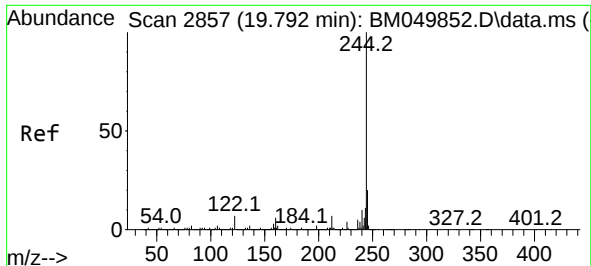
Tgt Ion:240 Resp: 2104484
Ion Ratio Lower Upper
240 100
120 7.5 6.9 10.3
236 25.8 20.4 30.6



#78
Pyrene
Concen: 96.278 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.006 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

Tgt Ion:202 Resp:13963863
Ion Ratio Lower Upper
202 100
200 25.6 16.5 24.7#
203 21.7 14.0 21.0#

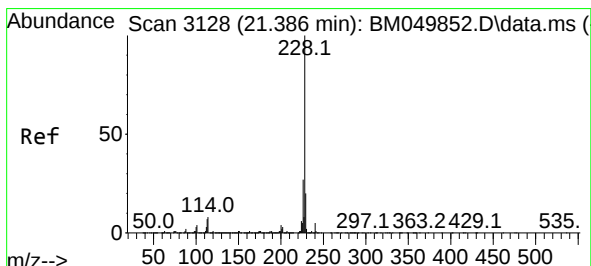
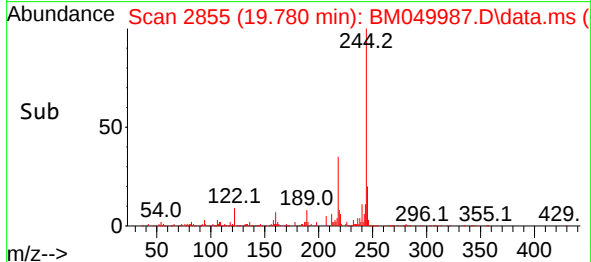
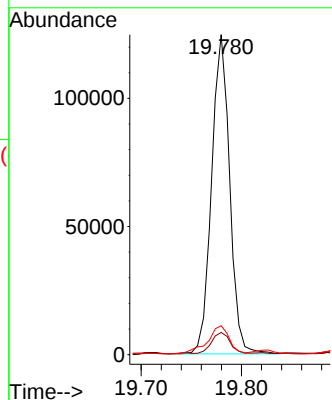
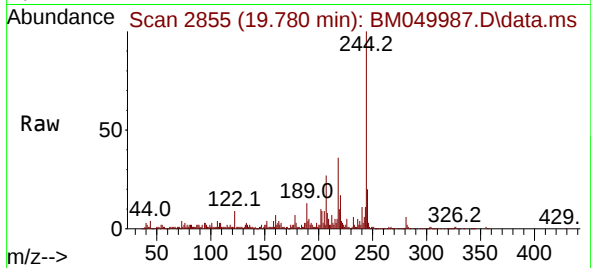




#79
 Terphenyl-d14
 Concen: 1.386 ng
 RT: 19.780 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM049987.D
 Acq: 21 Apr 2025 16:32

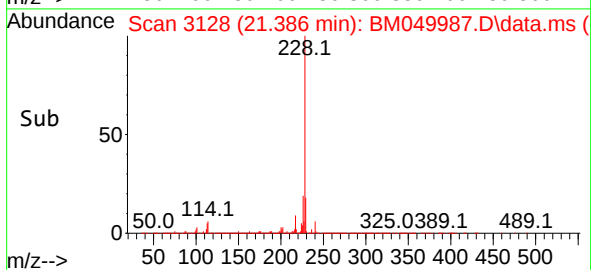
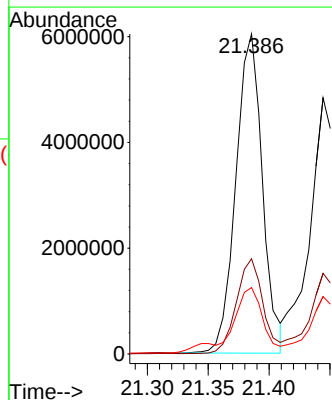
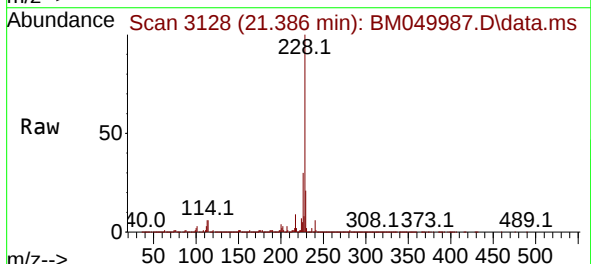
Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-6DL

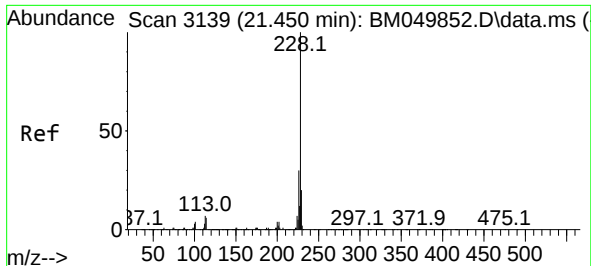
Tgt Ion:244 Resp: 155605
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 9.1 5.4 8.0#



#81
 Benzo(a)anthracene
 Concen: 65.394 ng
 RT: 21.386 min Scan# 3128
 Delta R.T. -0.000 min
 Lab File: BM049987.D
 Acq: 21 Apr 2025 16:32

Tgt Ion:228 Resp: 9146285
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.8 32.8
 229 20.7 15.8 23.8

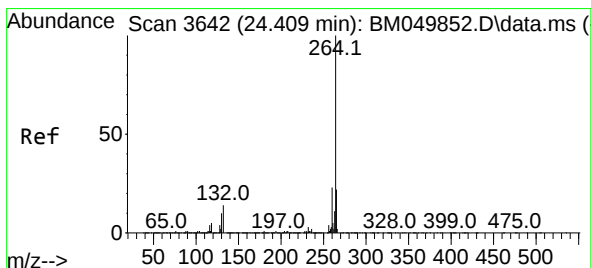
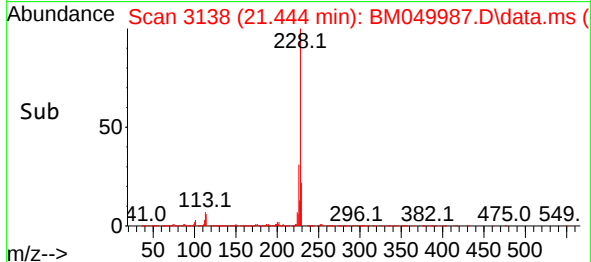
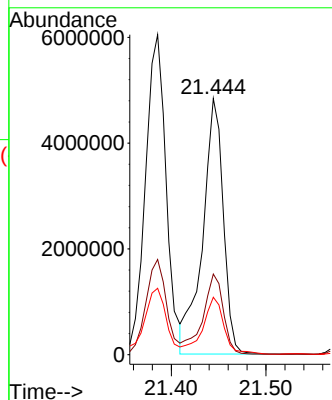
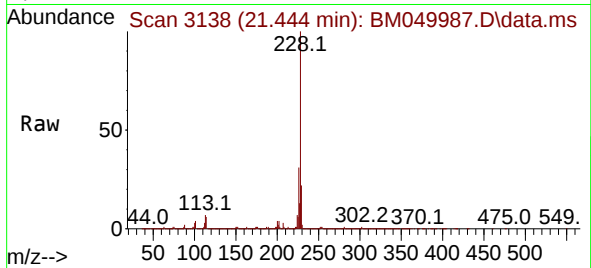




#83
Chrysene
Concen: 55.060 ng
RT: 21.444 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

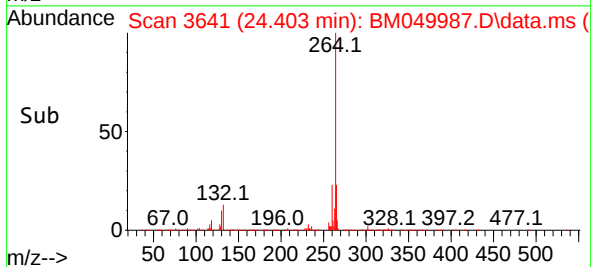
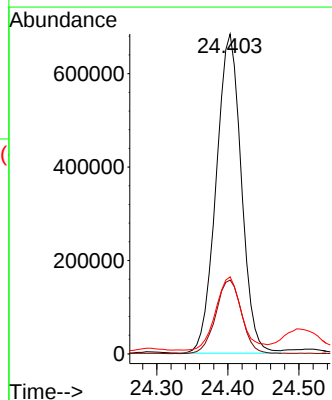
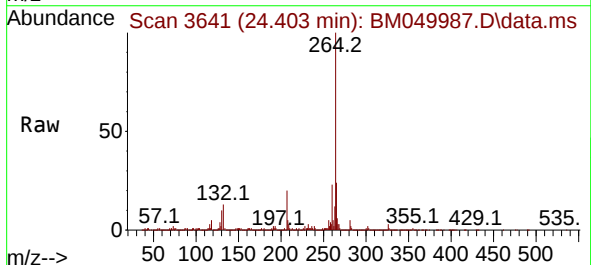
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6DL

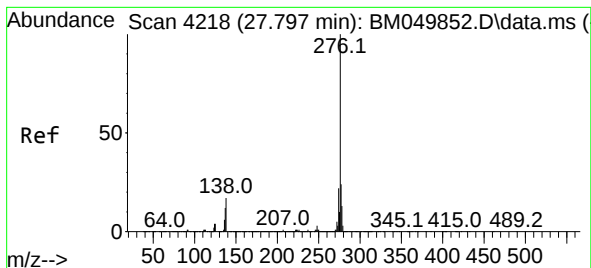
Tgt Ion:228 Resp: 7321297
Ion Ratio Lower Upper
228 100
226 31.4 24.1 36.1
229 22.4 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.006 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

Tgt Ion:264 Resp: 1677914
Ion Ratio Lower Upper
264 100
260 23.1 18.6 28.0
265 24.1 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 22.336 ng

RT: 27.791 min Scan# 41

Delta R.T. -0.006 min

Lab File: BM049987.D

Acq: 21 Apr 2025 16:32

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-6DL

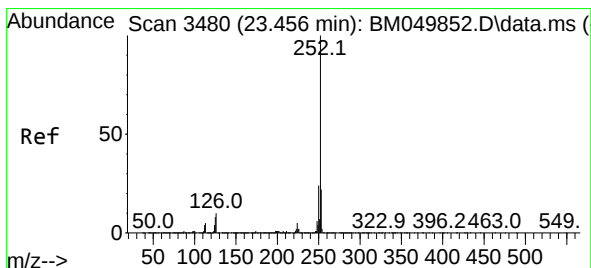
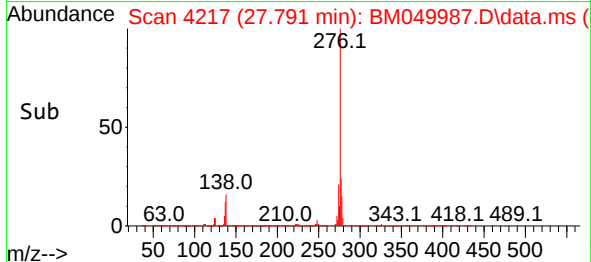
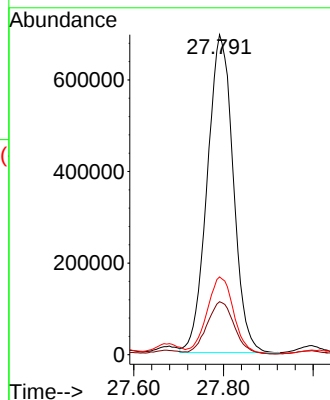
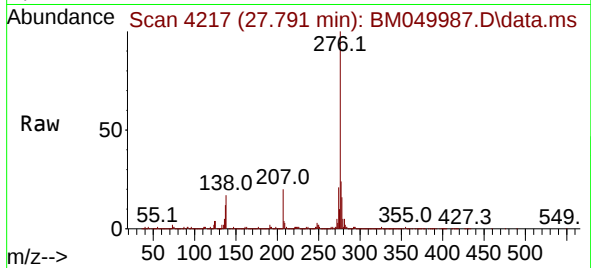
Tgt Ion:276 Resp: 2793624

Ion Ratio Lower Upper

276 100

138 17.3 16.8 25.2

277 24.8 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 69.553 ng

RT: 23.462 min Scan# 3481

Delta R.T. 0.006 min

Lab File: BM049987.D

Acq: 21 Apr 2025 16:32

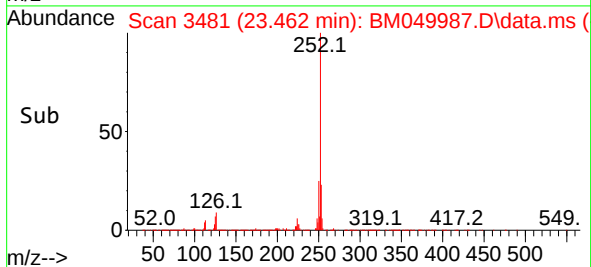
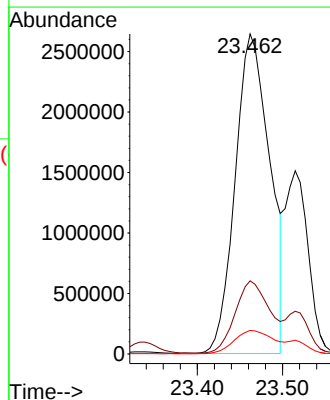
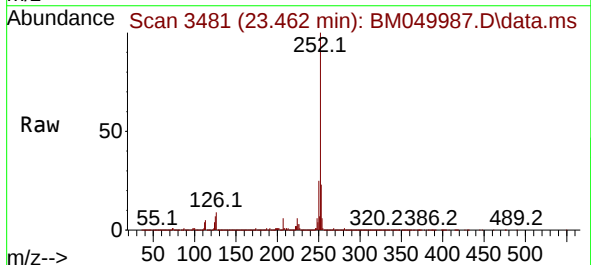
Tgt Ion:252 Resp: 7453416

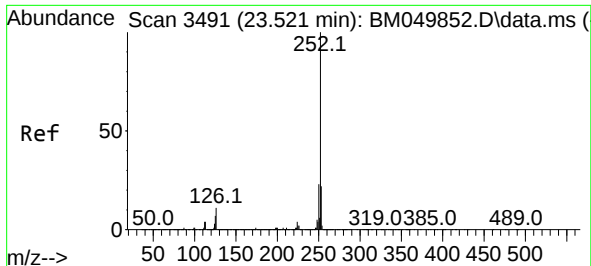
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 7.4 6.2 9.4

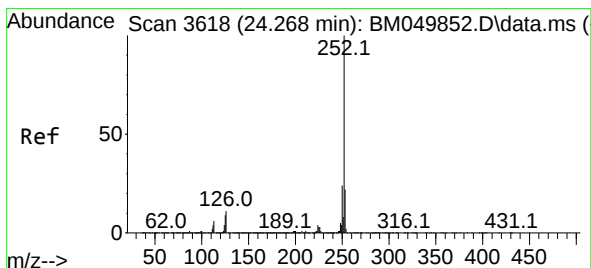
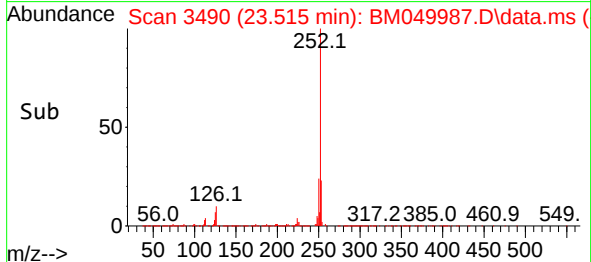
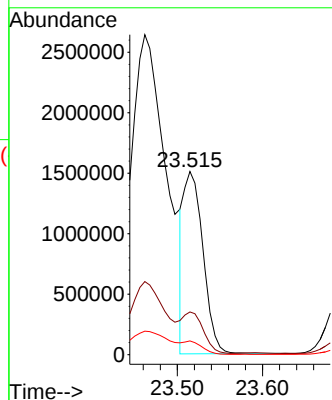
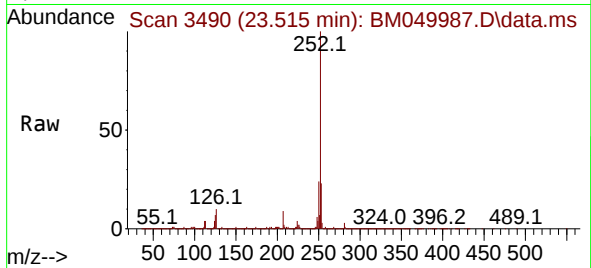




#89
Benzo(k)fluoranthene
Concen: 22.815 ng
RT: 23.515 min Scan# 3491
Delta R.T. -0.006 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

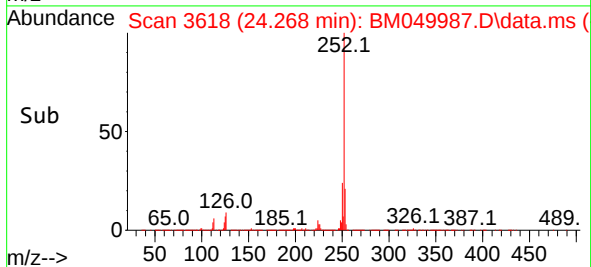
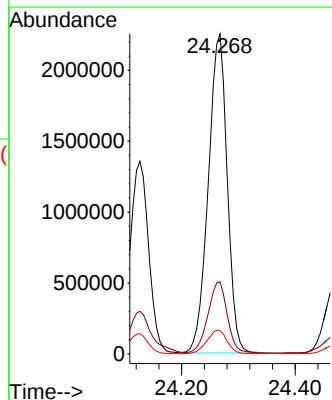
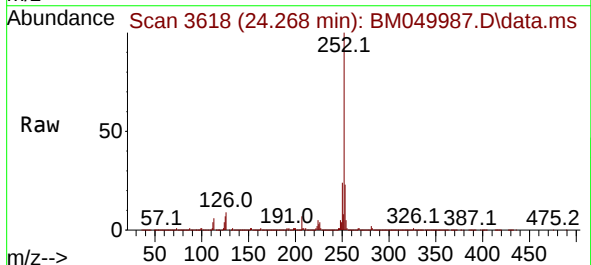
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6DL

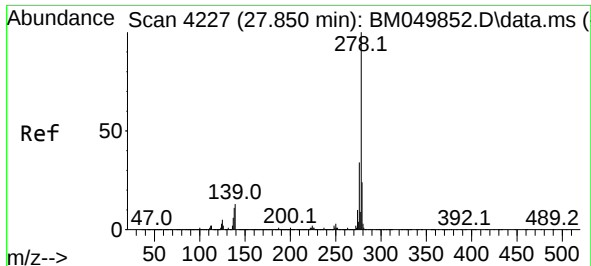
Tgt Ion:252 Resp: 2369314
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 7.5 5.8 8.8



#90
Benzo(a)pyrene
Concen: 55.194 ng
RT: 24.268 min Scan# 3618
Delta R.T. -0.000 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

Tgt Ion:252 Resp: 5197391
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 7.3 7.0 10.4

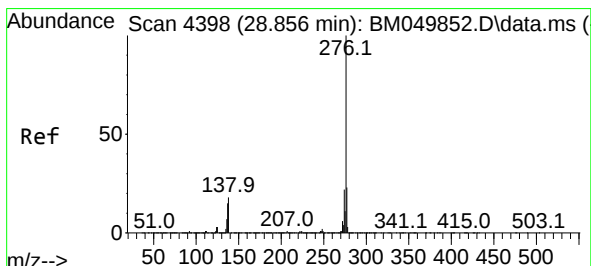
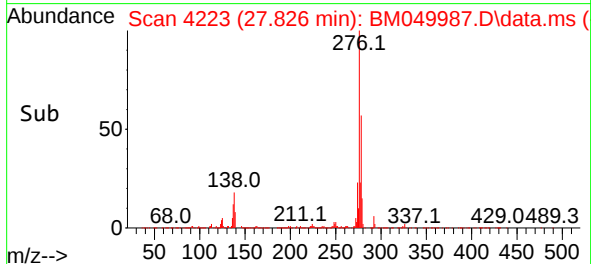
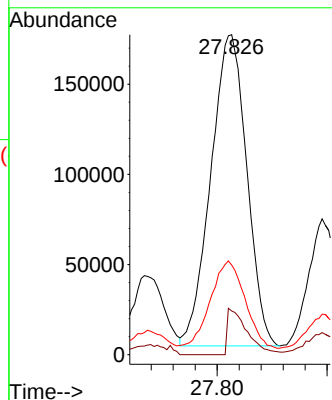
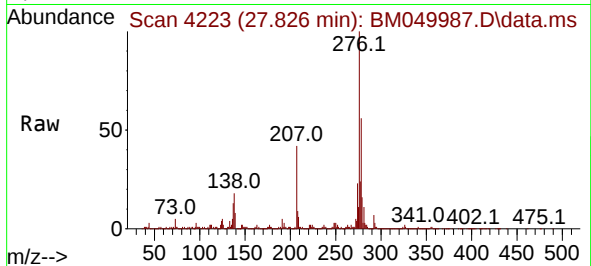




#91
Dibenzo(a,h)anthracene
Concen: 7.620 ng
RT: 27.826 min Scan# 41
Delta R.T. -0.024 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6DL

Tgt Ion:278 Resp: 785075
Ion Ratio Lower Upper
278 100
139 13.6 10.6 15.8
279 28.0 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 23.406 ng
RT: 28.850 min Scan# 4397
Delta R.T. -0.006 min
Lab File: BM049987.D
Acq: 21 Apr 2025 16:32

Tgt Ion:276 Resp: 2464094
Ion Ratio Lower Upper
276 100
277 24.1 18.7 28.1
138 17.7 14.6 21.8

