

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032524\
 Data File : BM044761.D
 Acq On : 25 Mar 2024 18:24
 Operator : MA/JU
 Sample : P1847-01 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SU-02-032224DL

Quant Time: Mar 26 01:22:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 02:28:24 2024
 Response via : Initial Calibration

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

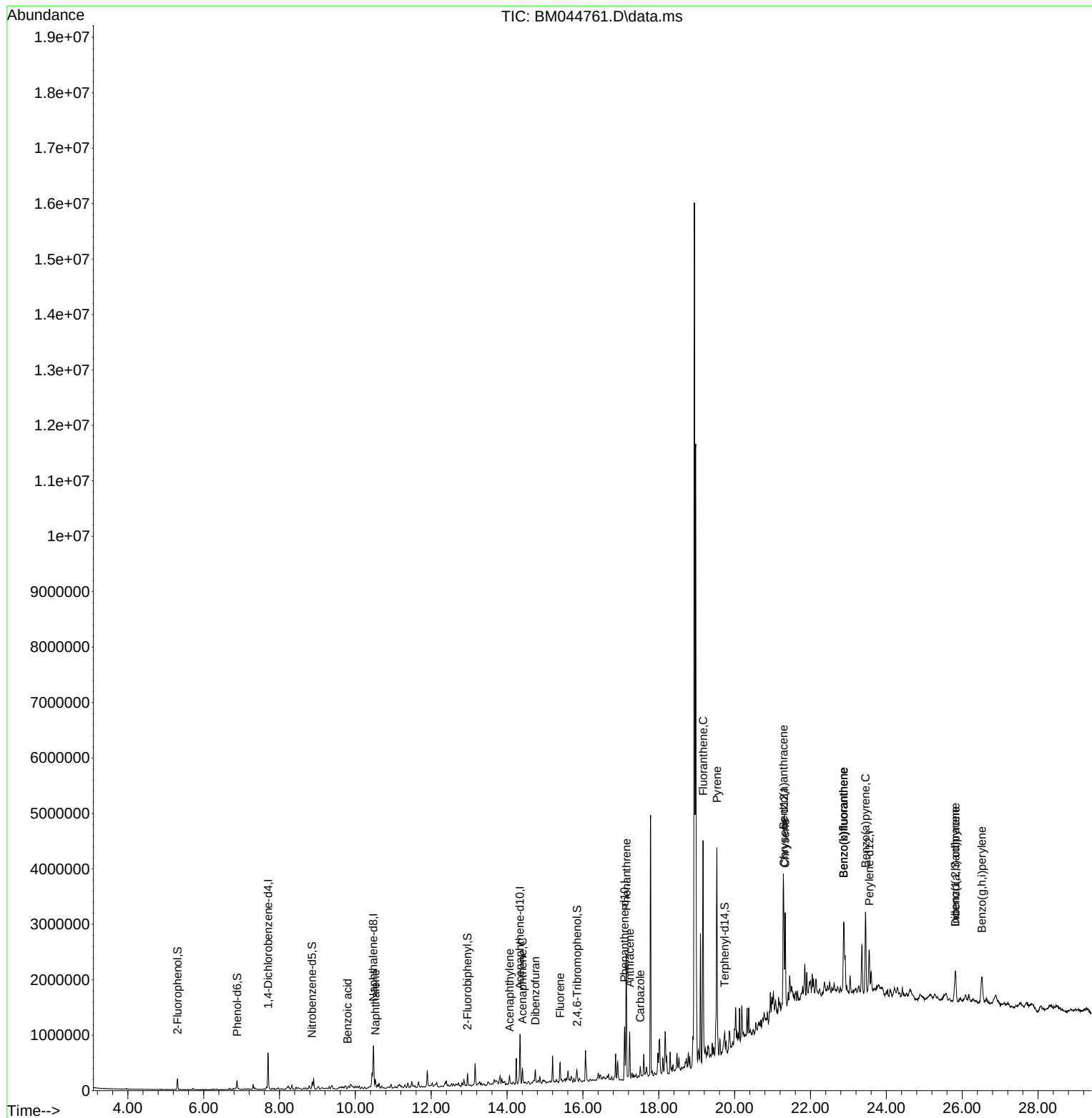
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.699	152	171318	20.000	ng	0.00
21) Naphthalene-d8	10.475	136	618980	20.000	ng	-0.01
39) Acenaphthene-d10	14.339	164	308593	20.000	ng	-0.01
64) Phenanthrene-d10	17.098	188	565815	20.000	ng	0.00
76) Chrysene-d12	21.298	240	490598	20.000	ng	0.00
86) Perylene-d12	23.551	264	581806	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.311	112	80206	6.722	ng	0.00
7) Phenol-d6	6.881	99	92684	6.038	ng	0.00
23) Nitrobenzene-d5	8.857	82	56626	4.407	ng	0.00
42) 2,4,6-Tribromophenol	15.845	330	22792	6.696	ng	0.00
45) 2-Fluorobiphenyl	12.957	172	112201	5.007	ng	-0.01
79) Terphenyl-d14	19.739	244	135654	4.837	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.528	128	101915	3.000	ng	96
32) Benzoic acid	9.793	122	323	3.658	ng	# 9
49) Acenaphthylene	14.063	152	105982	3.645	ng	98
52) Acenaphthene	14.404	154	94939	5.402	ng	97
55) Dibenzofuran	14.745	168	101863	3.652	ng	# 97
58) Fluorene	15.398	166	160471	7.387	ng	97
71) Phenanthrene	17.145	178	1340546	42.873	ng	99
72) Anthracene	17.233	178	503452	16.054	ng	99
73) Carbazole	17.510	167	90169	3.053	ng	# 93
75) Fluoranthene	19.168	202	2080605	59.525	ng	98
78) Pyrene	19.533	202	2265619	63.009	ng	100
81) Benzo(a)anthracene	21.286	228	1104889	32.367	ng	95
83) Chrysene	21.333	228	995497	30.519	ng	96
87) Indeno(1,2,3-cd)pyrene	25.821	276	554706	13.189	ng	# 93
88) Benzo(b)fluoranthene	22.874	252	1431979	41.882	ng	99
89) Benzo(k)fluoranthene	22.874	252	1431979	40.740	ng	98
90) Benzo(a)pyrene	23.451	252	995491	29.851	ng	98
91) Dibenzo(a,h)anthracene	25.821	278	160356	4.522	ng	# 81
92) Benzo(g,h,i)perylene	26.521	276	610770	17.498	ng	96

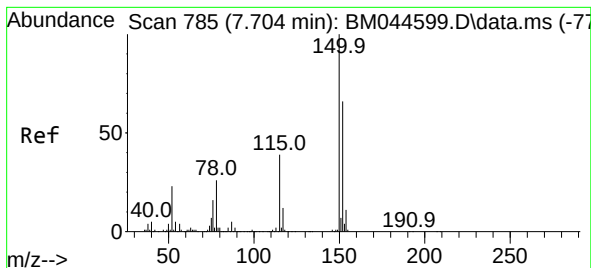
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032524\
Data File : BM044761.D
Acq On : 25 Mar 2024 18:24
Operator : MA/JU
Sample : P1847-01 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-02-032224DL

Quant Time: Mar 26 01:22:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 14 02:28:24 2024
Response via : Initial Calibration

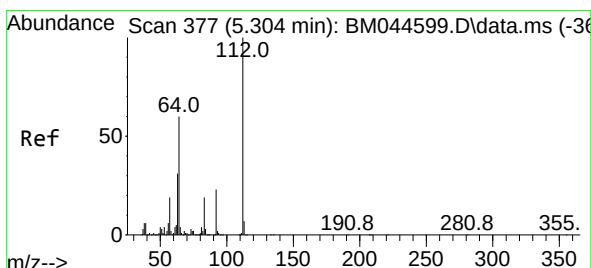
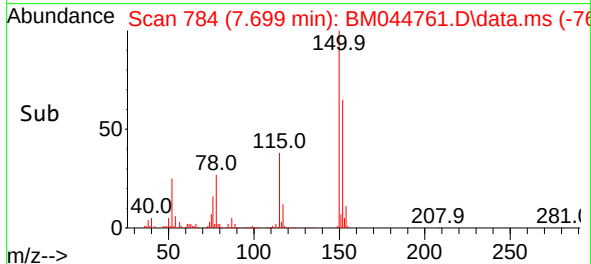
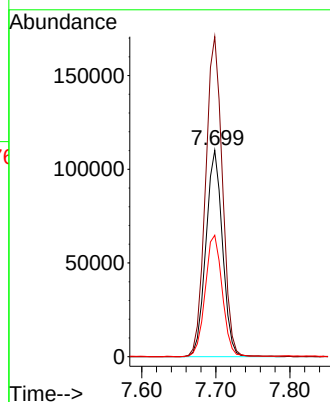
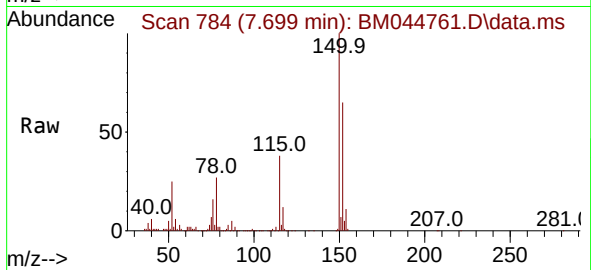




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.699 min Scan# 71
Delta R.T. -0.005 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

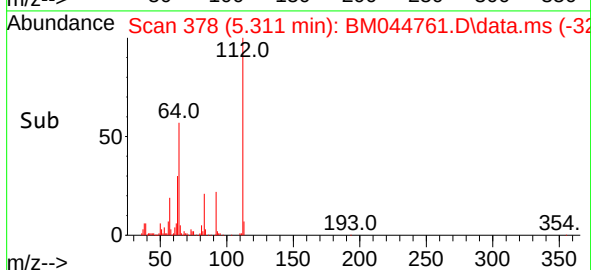
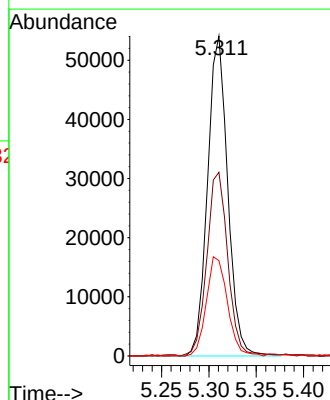
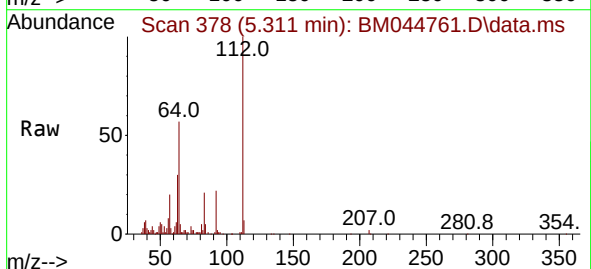
Instrument :
BNA_M
ClientSampleId :
SU-02-032224DL

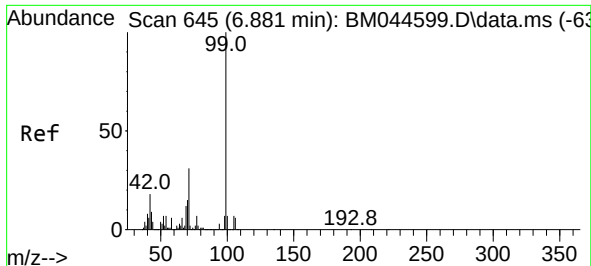
Tgt Ion:152 Resp: 171318
Ion Ratio Lower Upper
152 100
150 155.0 121.9 182.9
115 58.9 47.1 70.7



#5
2-Fluorophenol
Concen: 6.722 ng
RT: 5.311 min Scan# 378
Delta R.T. 0.006 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

Tgt Ion:112 Resp: 80206
Ion Ratio Lower Upper
112 100
64 57.4 47.9 71.9
63 29.8 25.0 37.4

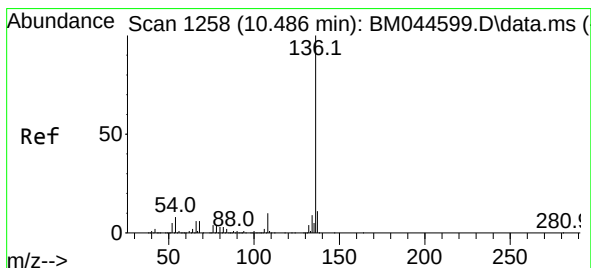
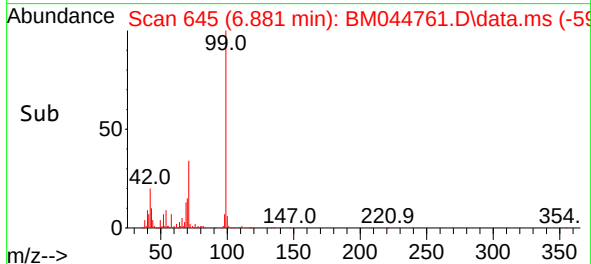
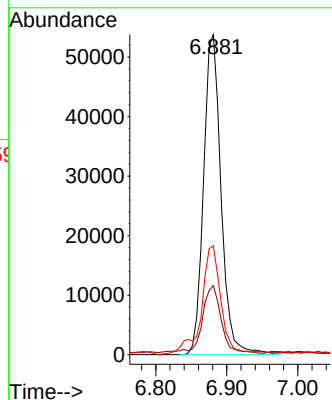
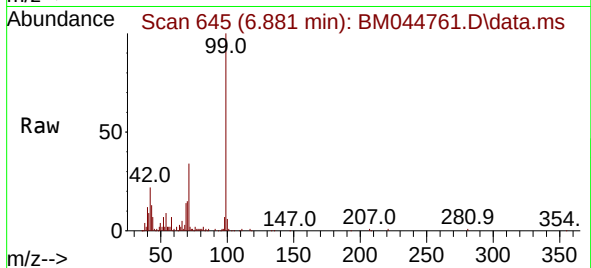




#7
Phenol-d6
Concen: 6.038 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

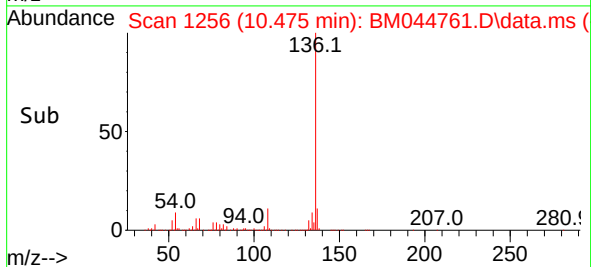
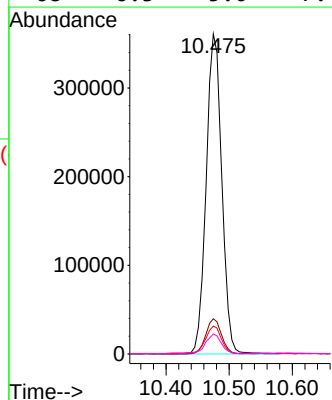
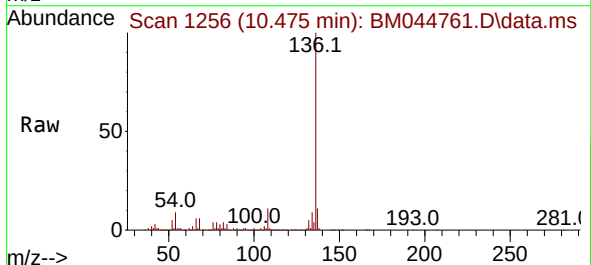
Instrument :
BNA_M
ClientSampleId :
SU-02-032224DL

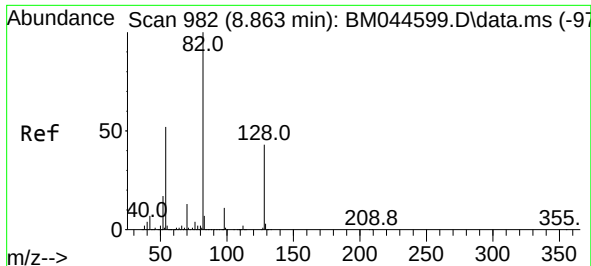
Tgt Ion: 99 Resp: 92684
Ion Ratio Lower Upper
99 100
42 21.6 14.3 21.5#
71 34.0 24.5 36.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.475 min Scan# 1256
Delta R.T. -0.011 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

Tgt Ion: 136 Resp: 618980
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.7 6.6 10.0
68 6.3 5.0 7.4

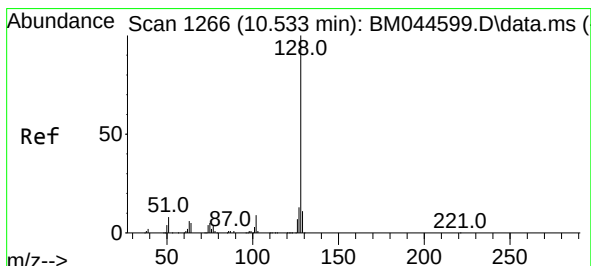
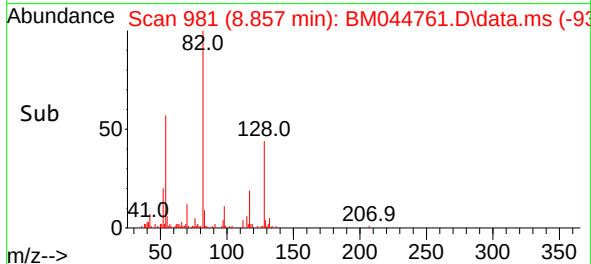
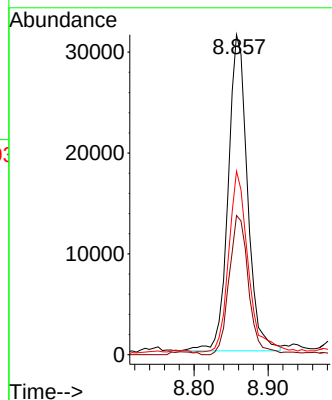
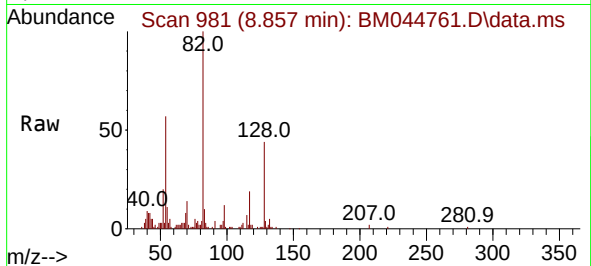




#23
Nitrobenzene-d5
Concen: 4.407 ng
RT: 8.857 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

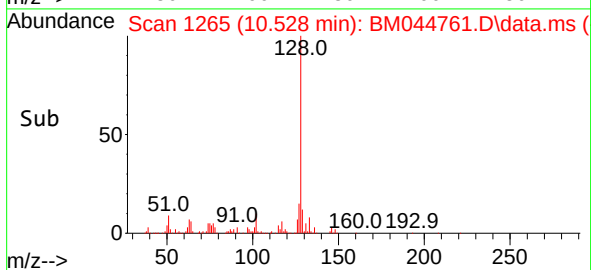
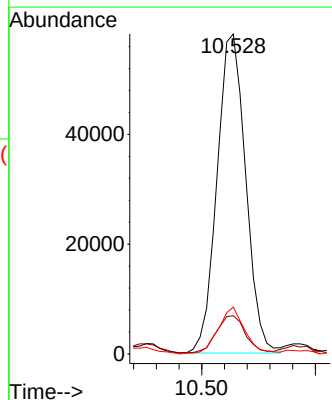
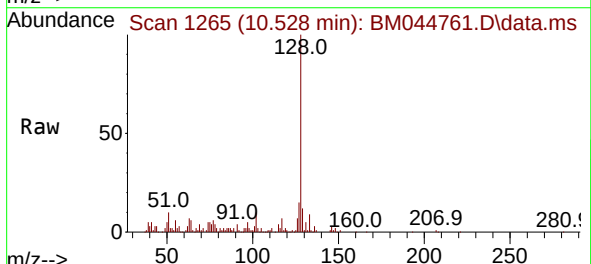
Instrument :
BNA_M
ClientSampleId :
SU-02-032224DL

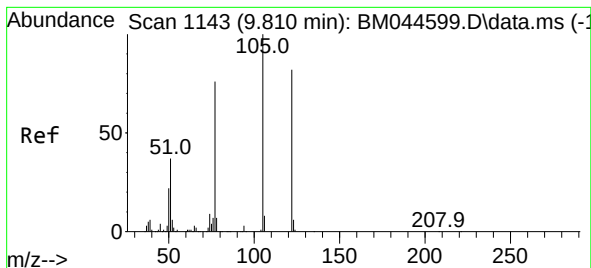
Tgt Ion: 82 Resp: 56626
Ion Ratio Lower Upper
82 100
128 43.5 34.2 51.4
54 57.4 41.3 61.9



#31
Naphthalene
Concen: 3.000 ng
RT: 10.528 min Scan# 1265
Delta R.T. -0.006 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

Tgt Ion: 128 Resp: 101915
Ion Ratio Lower Upper
128 100
129 11.9 8.7 13.1
127 14.6 10.2 15.4





#32

Benzoic acid

Concen: 3.658 ng

RT: 9.793 min Scan# 1143

Delta R.T. -0.017 min

Lab File: BM044761.D

Acq: 25 Mar 2024 18:24

Instrument :

BNA_M

ClientSampleId :

SU-02-032224DL

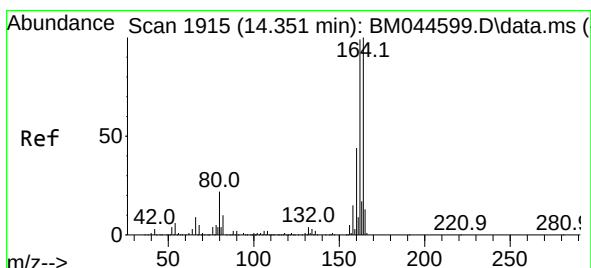
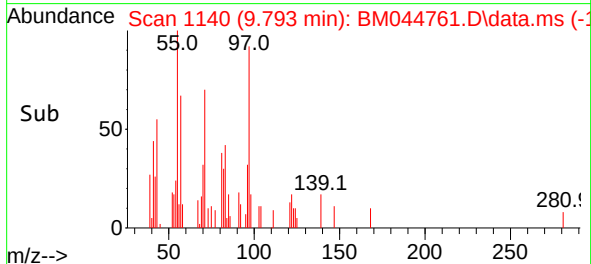
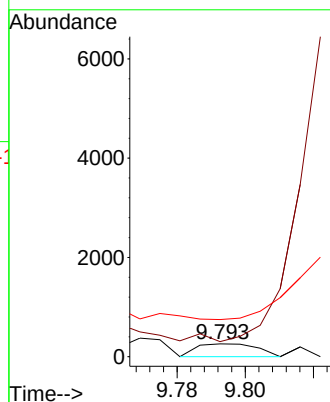
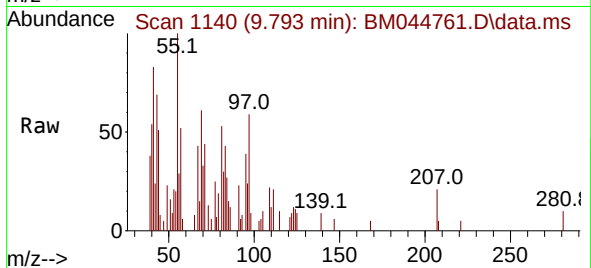
Tgt Ion:122 Resp: 323

Ion Ratio Lower Upper

122 100

105 118.2 100.0 140.0

77 289.9 72.5 112.5#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.339 min Scan# 1913

Delta R.T. -0.011 min

Lab File: BM044761.D

Acq: 25 Mar 2024 18:24

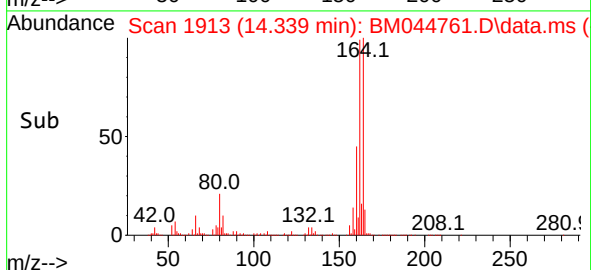
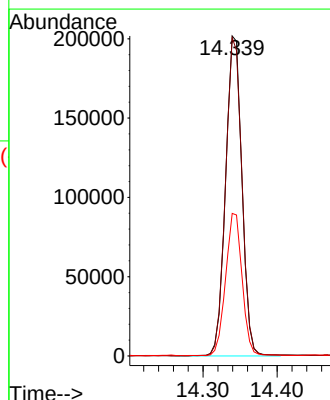
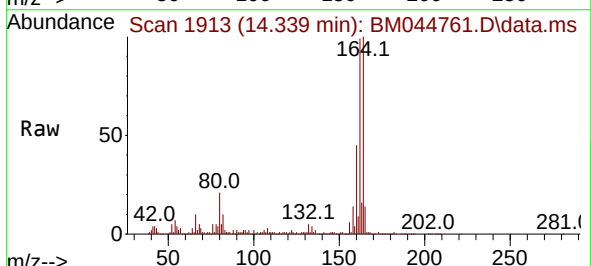
Tgt Ion:164 Resp: 308593

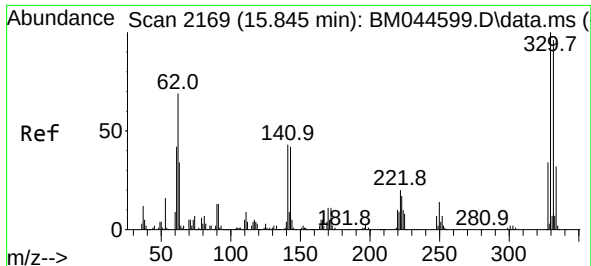
Ion Ratio Lower Upper

164 100

162 99.5 79.3 118.9

160 44.5 35.2 52.8

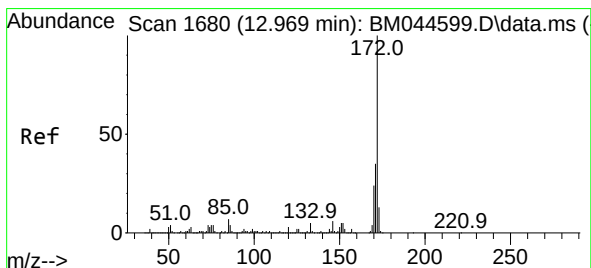
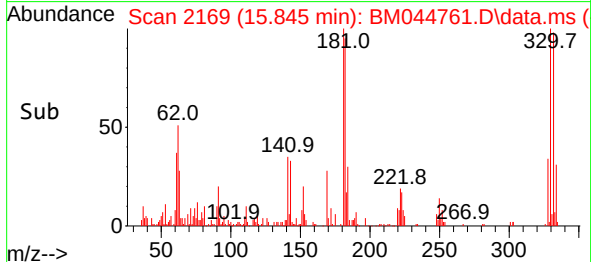
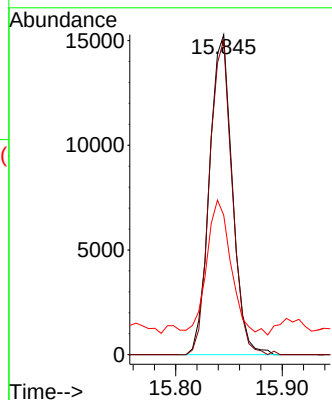
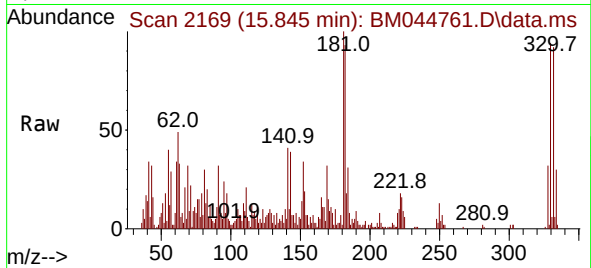




#42
2,4,6-Tribromophenol
Concen: 6.696 ng
RT: 15.845 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

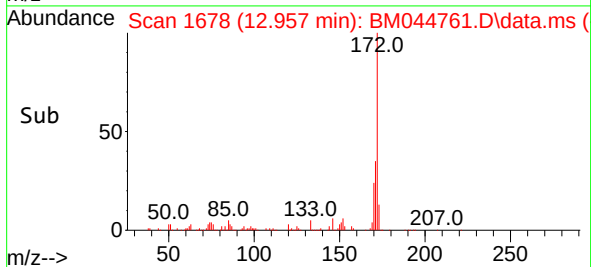
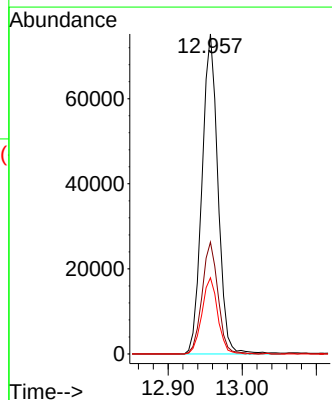
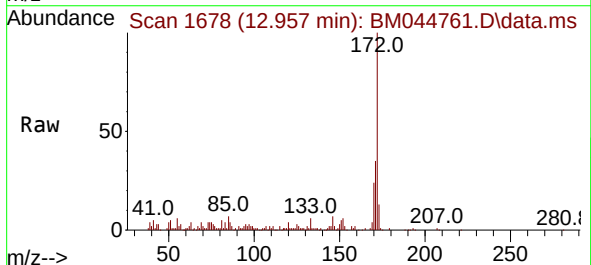
Instrument :
BNA_M
ClientSampleId :
SU-02-032224DL

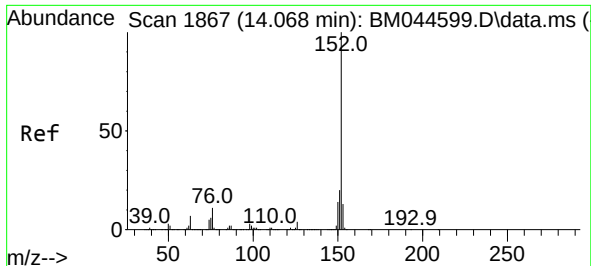
Tgt Ion:330 Resp: 22792
Ion Ratio Lower Upper
330 100
332 97.2 77.8 116.8
141 47.2 33.4 50.0



#45
2-Fluorobiphenyl
Concen: 5.007 ng
RT: 12.957 min Scan# 1678
Delta R.T. -0.011 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

Tgt Ion:172 Resp: 112201
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.8 19.0 28.6

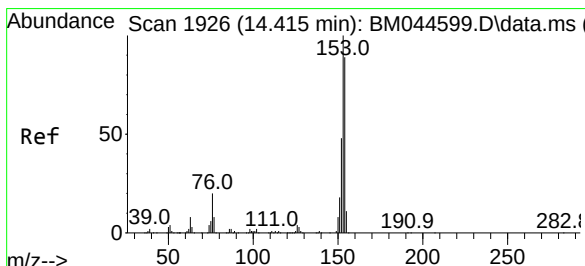
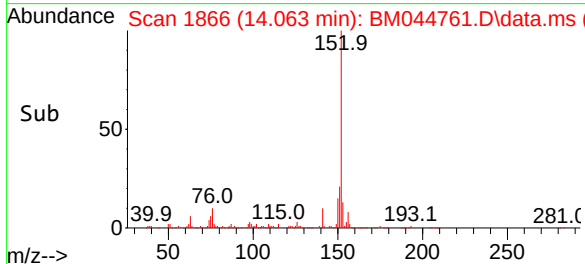
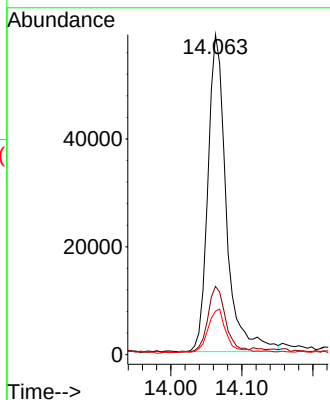
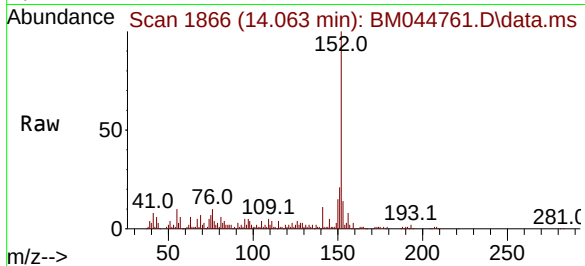




#49
Acenaphthylene
Concen: 3.645 ng
RT: 14.063 min Scan# 1866
Delta R.T. -0.006 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

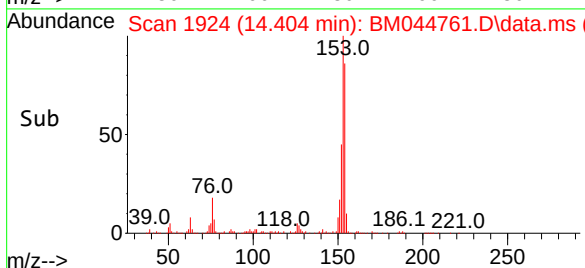
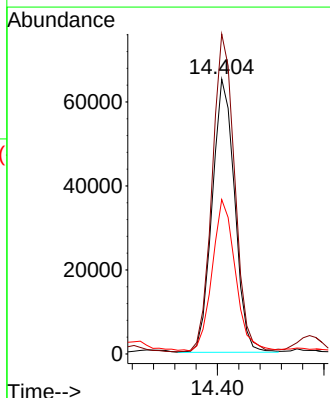
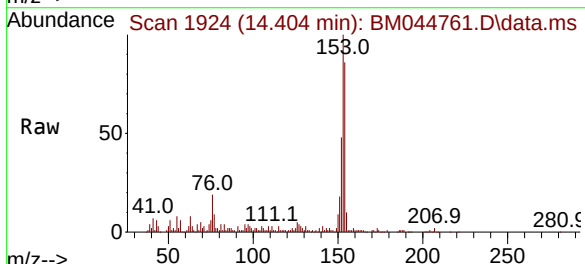
Instrument :
BNA_M
ClientSampleId :
SU-02-032224DL

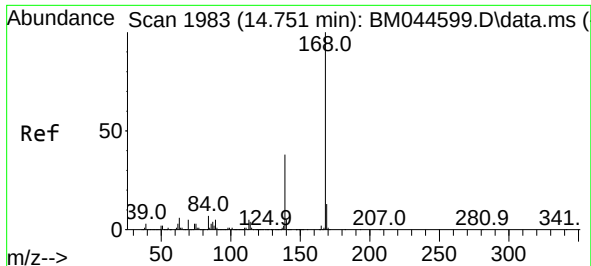
Tgt Ion:152 Resp: 105982
Ion Ratio Lower Upper
152 100
151 21.3 16.0 24.0
153 13.6 10.6 15.8



#52
Acenaphthene
Concen: 5.402 ng
RT: 14.404 min Scan# 1924
Delta R.T. -0.011 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

Tgt Ion:154 Resp: 94939
Ion Ratio Lower Upper
154 100
153 116.4 90.3 135.5
152 56.2 43.1 64.7

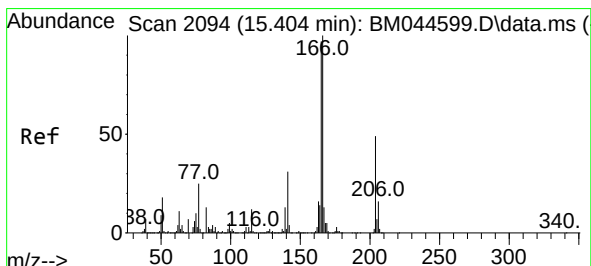
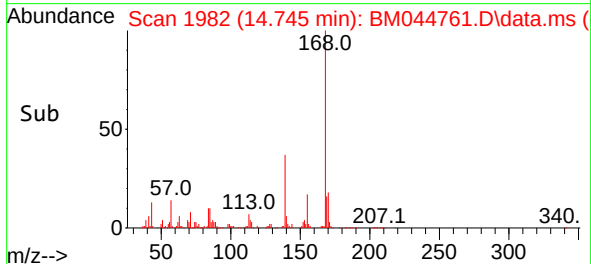
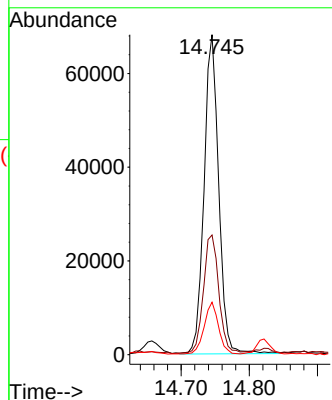
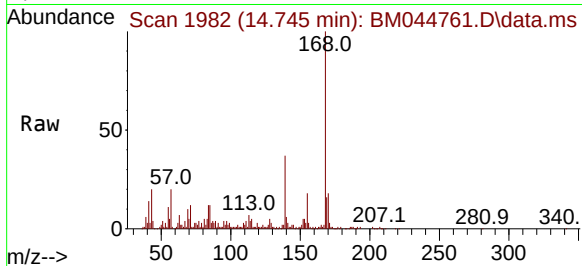




#55
Dibenzenofuran
Concen: 3.652 ng
RT: 14.745 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

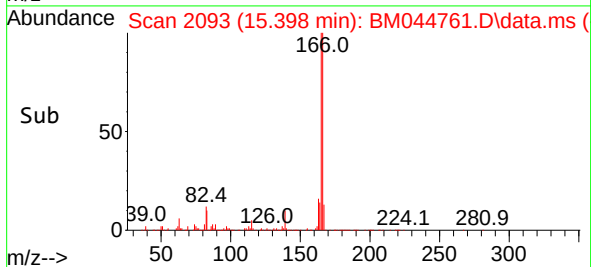
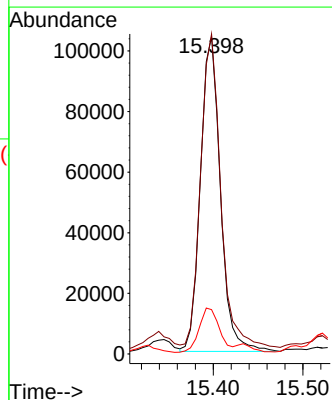
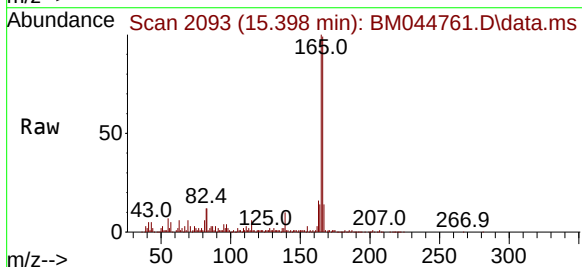
Instrument :
BNA_M
ClientSampleId :
SU-02-032224DL

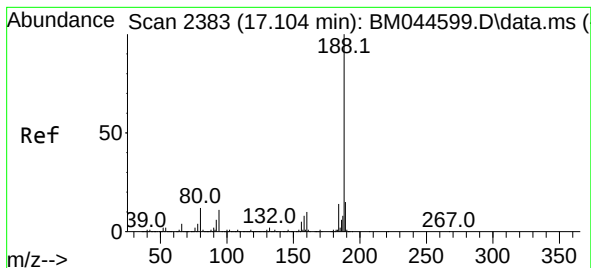
Tgt Ion:168 Resp: 101863
Ion Ratio Lower Upper
168 100
139 37.4 30.6 46.0
169 16.4 10.6 16.0#



#58
Fluorene
Concen: 7.387 ng
RT: 15.398 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

Tgt Ion:166 Resp: 160471
Ion Ratio Lower Upper
166 100
165 100.9 77.7 116.5
167 14.0 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.098 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044761.D

Acq: 25 Mar 2024 18:24

Instrument :

BNA_M

ClientSampleId :

SU-02-032224DL

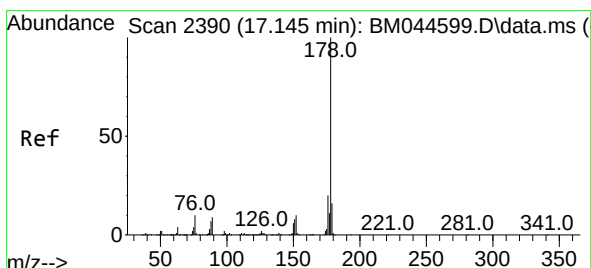
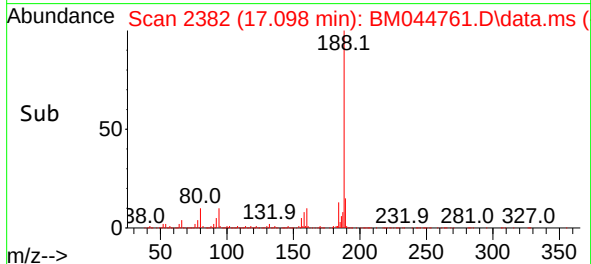
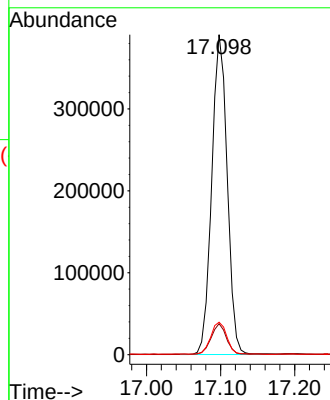
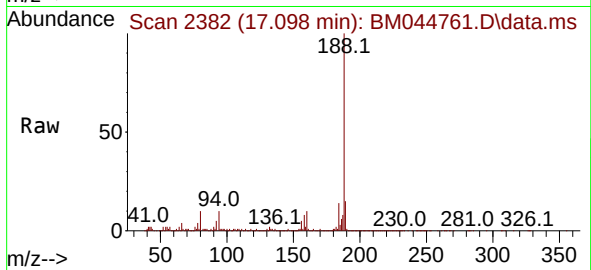
Tgt Ion:188 Resp: 565815

Ion Ratio Lower Upper

188 100

94 9.7 8.4 12.6

80 10.1 9.4 14.0



#71

Phenanthrene

Concen: 42.873 ng

RT: 17.145 min Scan# 2390

Delta R.T. 0.000 min

Lab File: BM044761.D

Acq: 25 Mar 2024 18:24

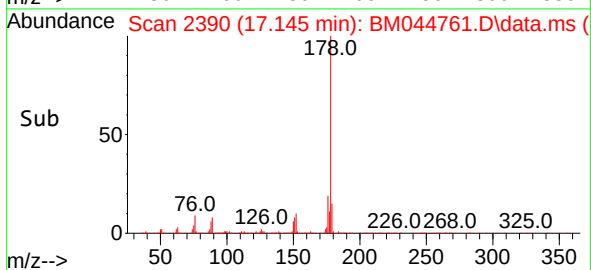
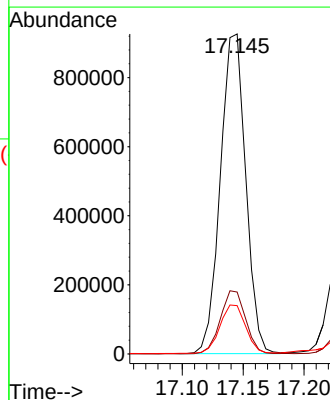
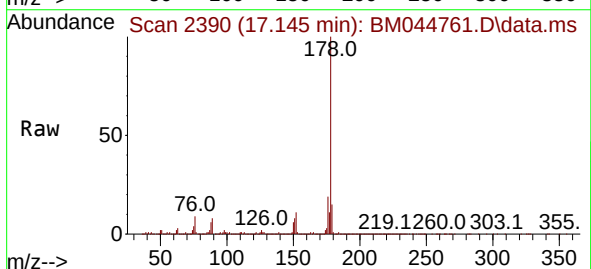
Tgt Ion:178 Resp: 1340546

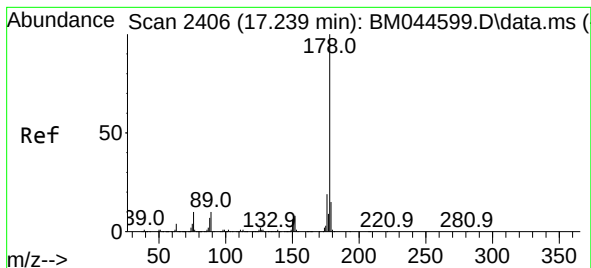
Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

179 15.1 12.4 18.6





#72

Anthracene

Concen: 16.054 ng

RT: 17.233 min Scan# 2405

Delta R.T. -0.006 min

Lab File: BM044761.D

Acq: 25 Mar 2024 18:24

Instrument :

BNA_M

ClientSampleId :

SU-02-032224DL

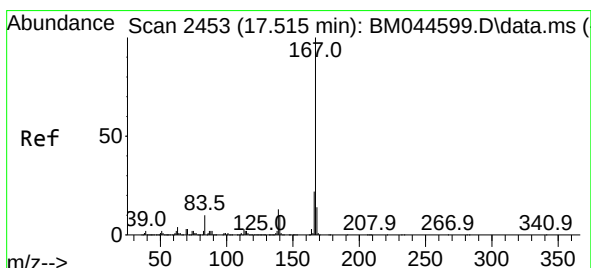
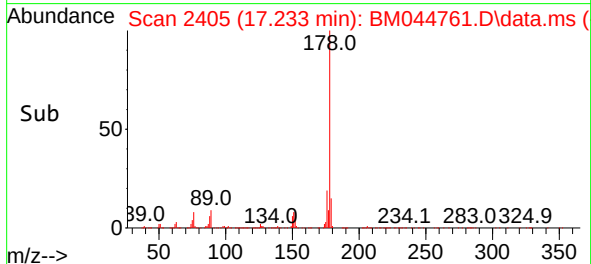
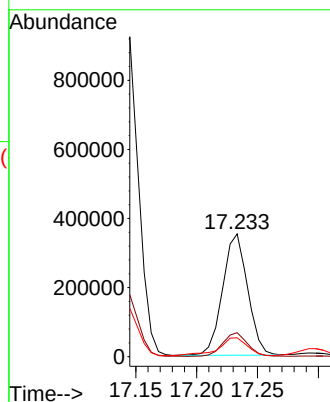
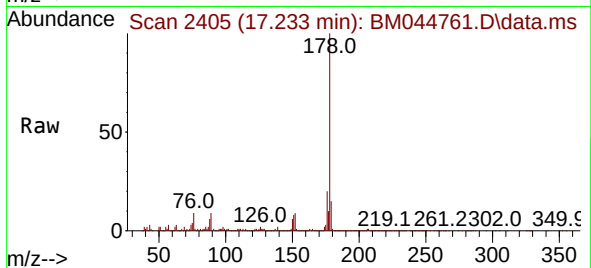
Tgt Ion:178 Resp: 503452

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

179 15.4 12.2 18.4



#73

Carbazole

Concen: 3.053 ng

RT: 17.510 min Scan# 2452

Delta R.T. -0.006 min

Lab File: BM044761.D

Acq: 25 Mar 2024 18:24

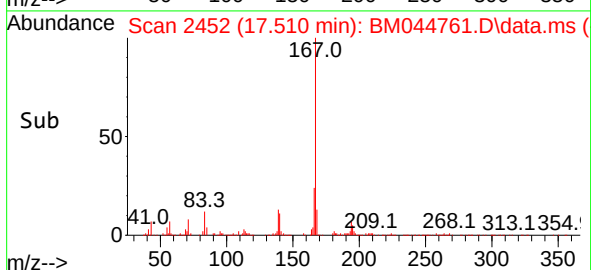
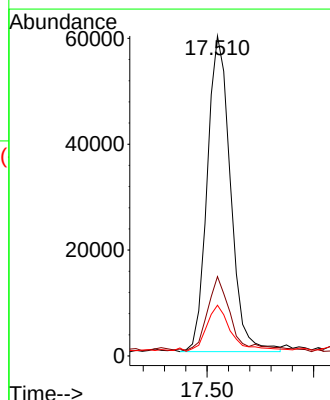
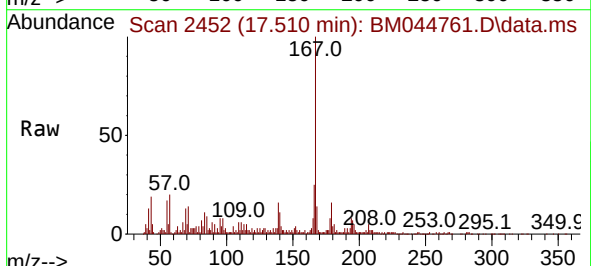
Tgt Ion:167 Resp: 90169

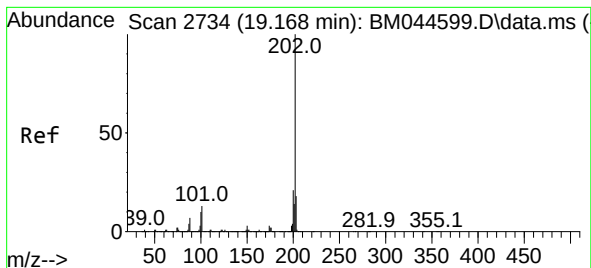
Ion Ratio Lower Upper

167 100

166 24.8 17.2 25.8

139 15.9 10.6 15.8#





#75

Fluoranthene

Concen: 59.525 ng

RT: 19.168 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM044761.D

Acq: 25 Mar 2024 18:24

Instrument :

BNA_M

ClientSampleId :

SU-02-032224DL

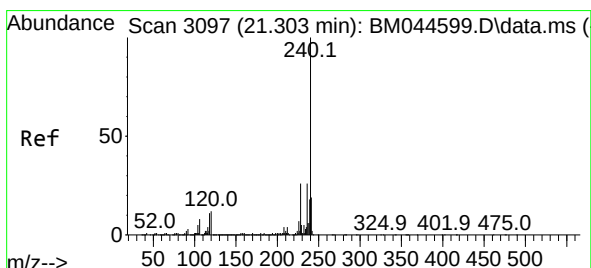
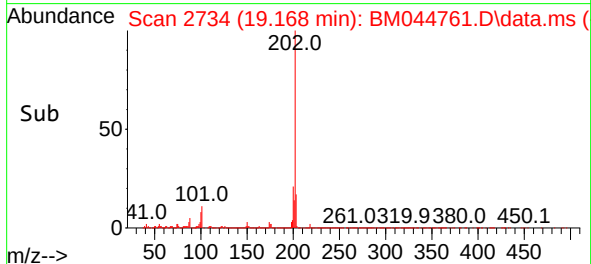
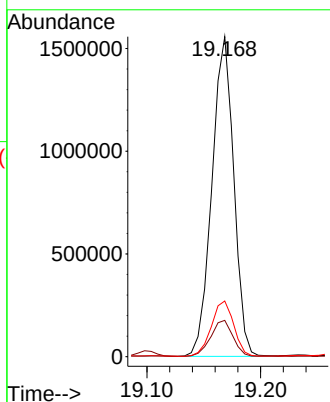
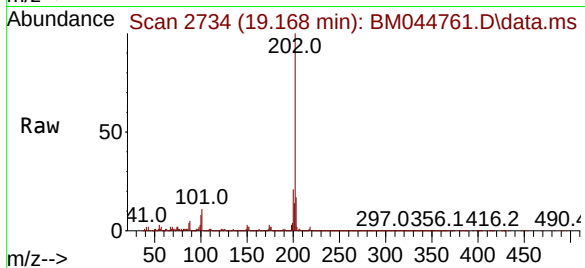
Tgt Ion:202 Resp: 2080605

Ion Ratio Lower Upper

202 100

101 11.3 0.0 33.3

203 17.4 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.298 min Scan# 3096

Delta R.T. -0.006 min

Lab File: BM044761.D

Acq: 25 Mar 2024 18:24

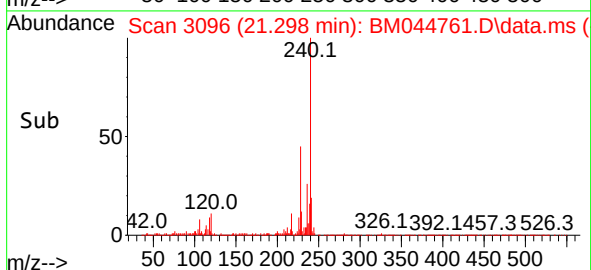
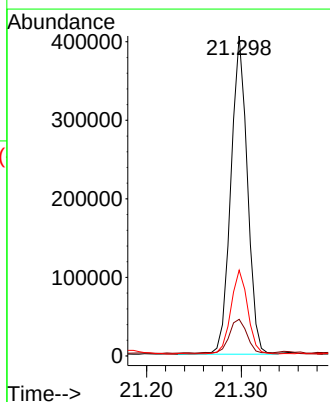
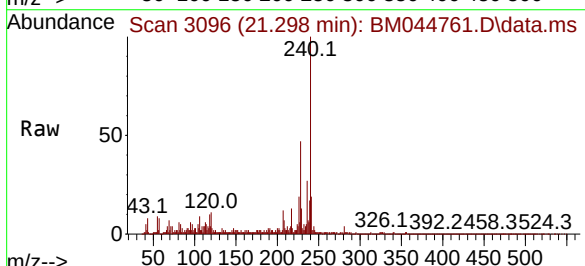
Tgt Ion:240 Resp: 490598

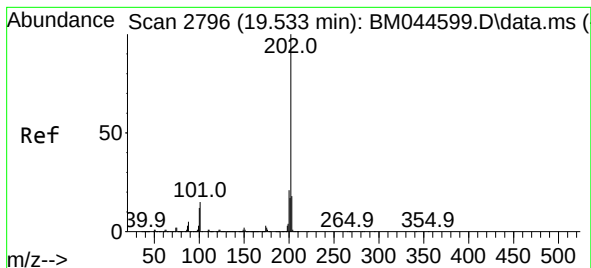
Ion Ratio Lower Upper

240 100

120 11.4 9.7 14.5

236 26.8 21.0 31.4





#78

Pyrene

Concen: 63.009 ng

RT: 19.533 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM044761.D

Acq: 25 Mar 2024 18:24

Instrument :

BNA_M

ClientSampleId :

SU-02-032224DL

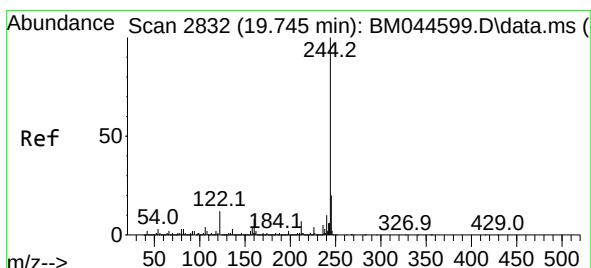
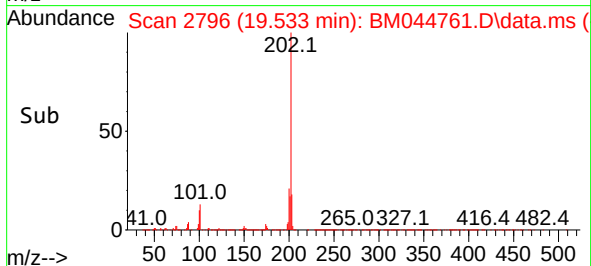
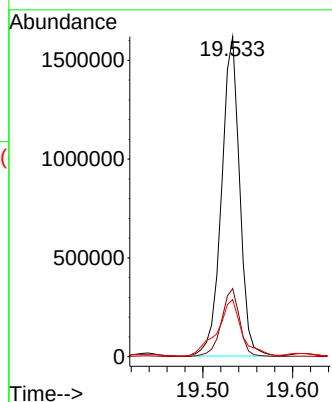
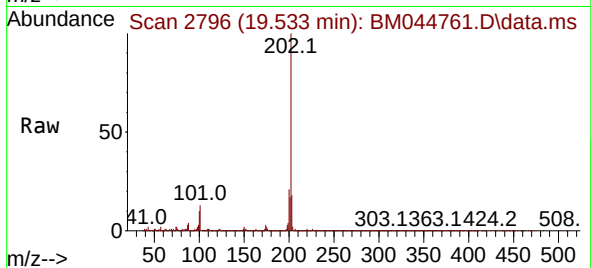
Tgt Ion:202 Resp: 2265619

Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

203 17.8 14.1 21.1



#79

Terphenyl-d14

Concen: 4.837 ng

RT: 19.739 min Scan# 2831

Delta R.T. -0.006 min

Lab File: BM044761.D

Acq: 25 Mar 2024 18:24

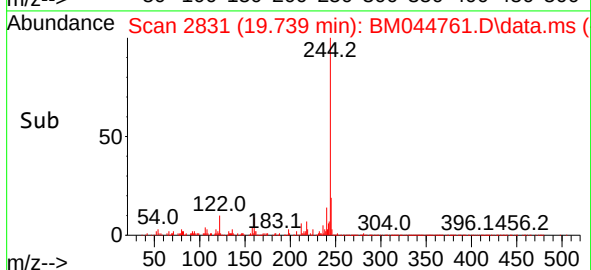
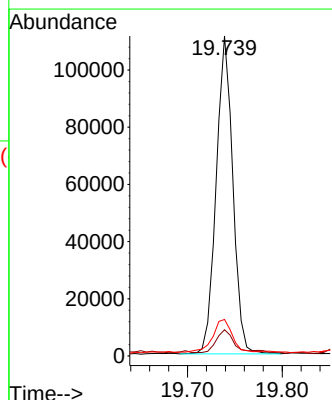
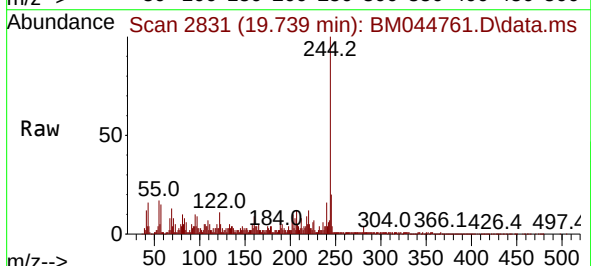
Tgt Ion:244 Resp: 135654

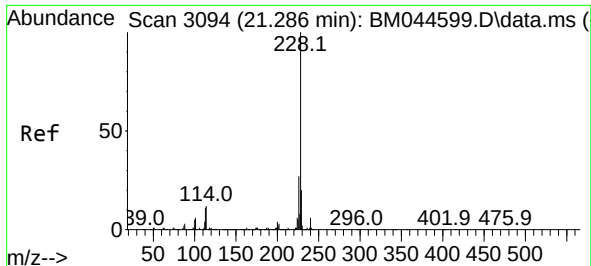
Ion Ratio Lower Upper

244 100

212 8.2 5.5 8.3

122 11.4 9.7 14.5

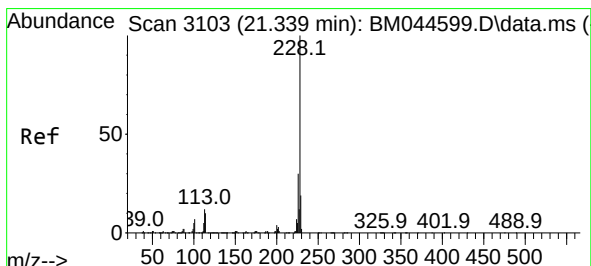
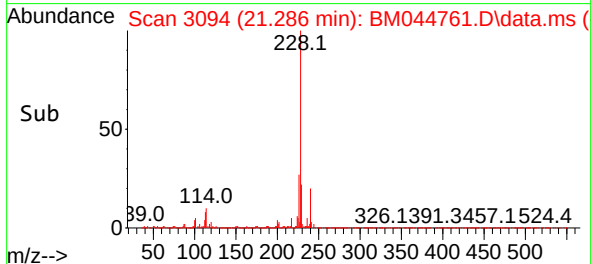
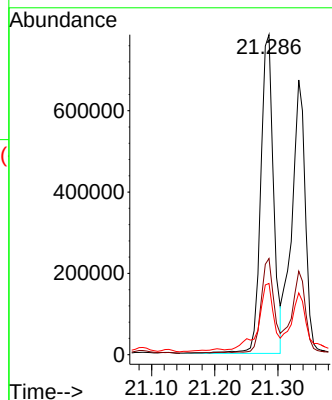
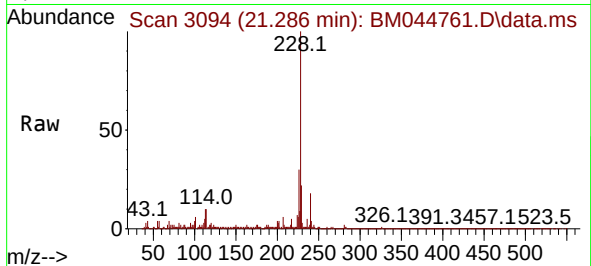




#81
Benzo(a)anthracene
Concen: 32.367 ng
RT: 21.286 min Scan# 3094
Delta R.T. 0.000 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

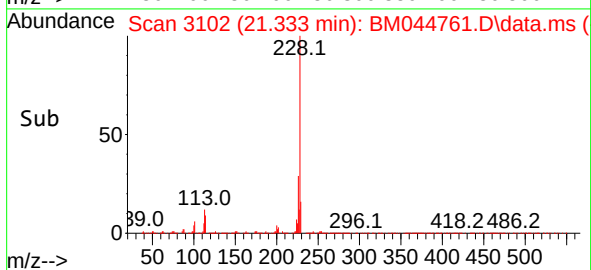
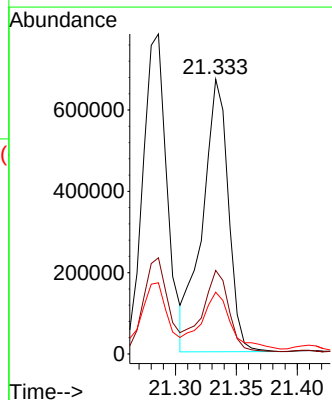
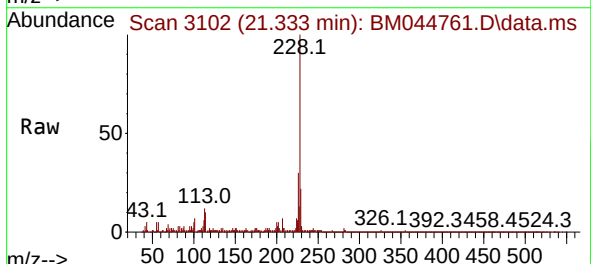
Instrument :
BNA_M
ClientSampleId :
SU-02-032224DL

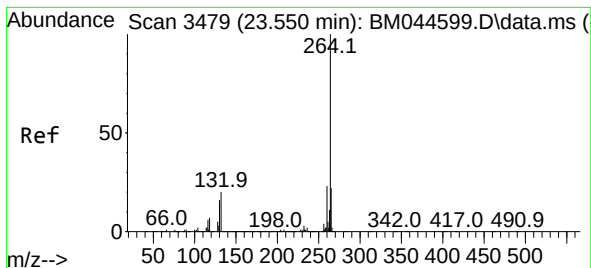
Tgt Ion:228 Resp: 1104889
Ion Ratio Lower Upper
228 100
226 30.1 21.9 32.9
229 22.3 15.9 23.9



#83
Chrysene
Concen: 30.519 ng
RT: 21.333 min Scan# 3102
Delta R.T. -0.006 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

Tgt Ion:228 Resp: 995497
Ion Ratio Lower Upper
228 100
226 30.4 23.6 35.4
229 22.5 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.551 min Scan# 34

Delta R.T. 0.000 min

Lab File: BM044761.D

Acq: 25 Mar 2024 18:24

Instrument :

BNA_M

ClientSampleId :

SU-02-032224DL

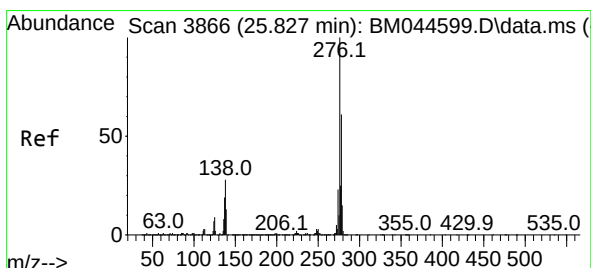
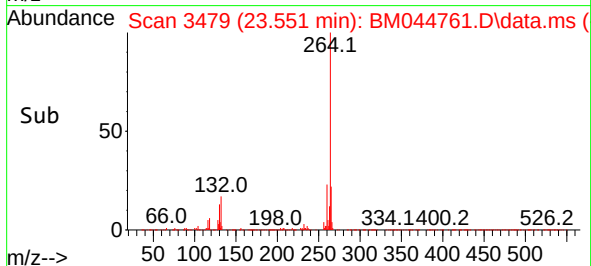
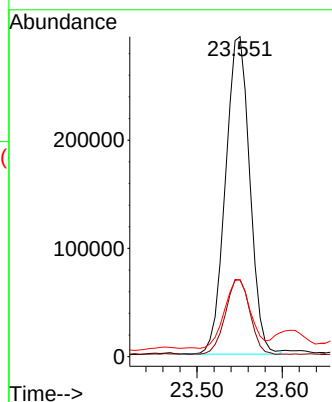
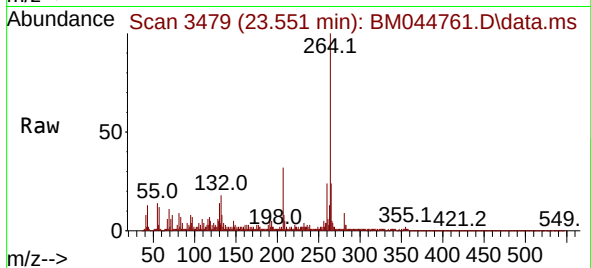
Tgt Ion:264 Resp: 581806

Ion Ratio Lower Upper

264 100

260 23.9 18.3 27.5

265 24.1 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 13.189 ng

RT: 25.821 min Scan# 3865

Delta R.T. -0.006 min

Lab File: BM044761.D

Acq: 25 Mar 2024 18:24

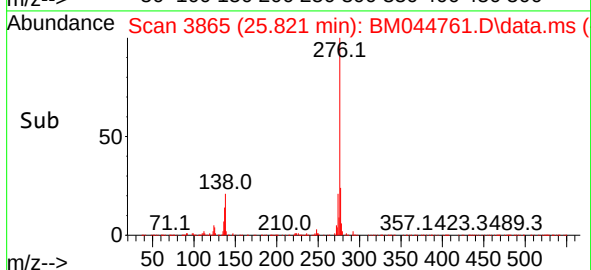
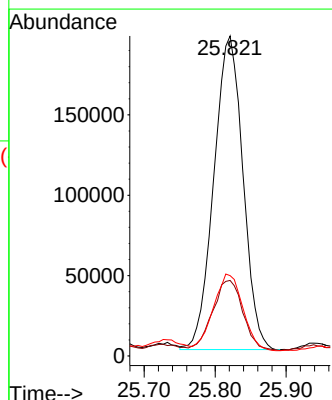
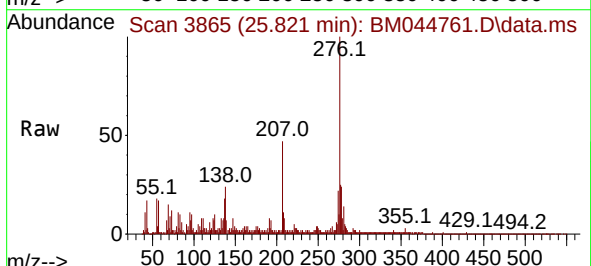
Tgt Ion:276 Resp: 554706

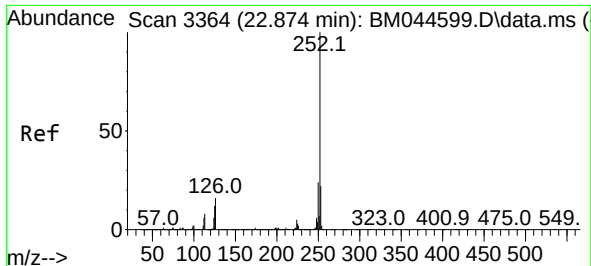
Ion Ratio Lower Upper

276 100

138 23.4 23.6 35.4#

277 24.7 20.2 30.2

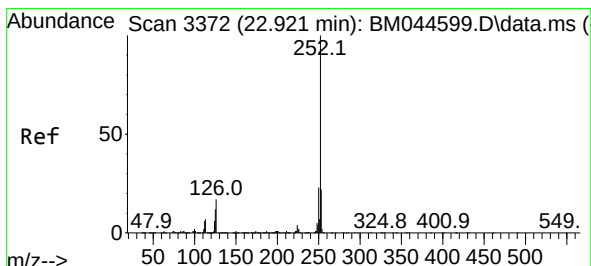
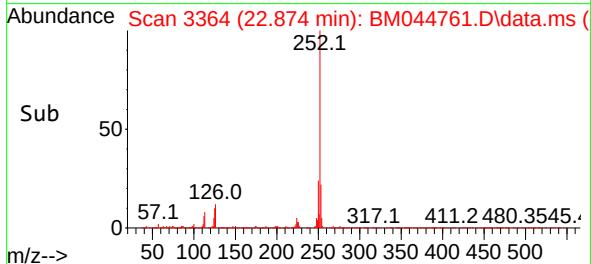
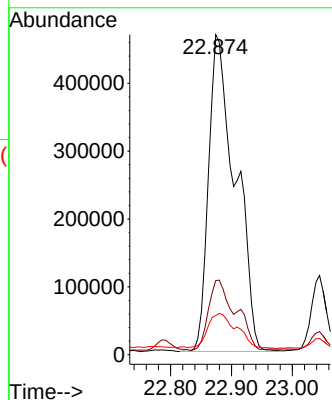
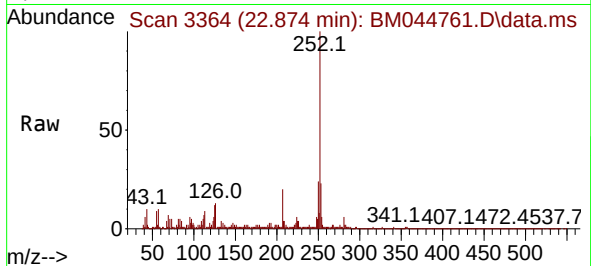




#88
Benzo(b)fluoranthene
Concen: 41.882 ng
RT: 22.874 min Scan# 3364
Delta R.T. 0.000 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

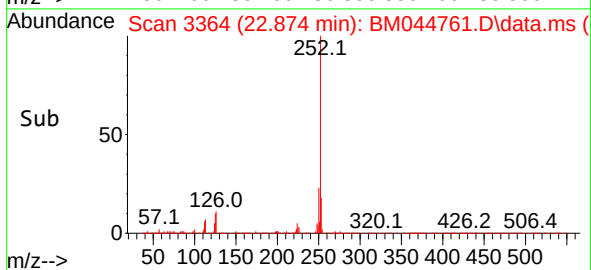
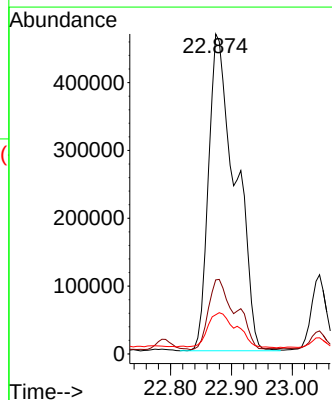
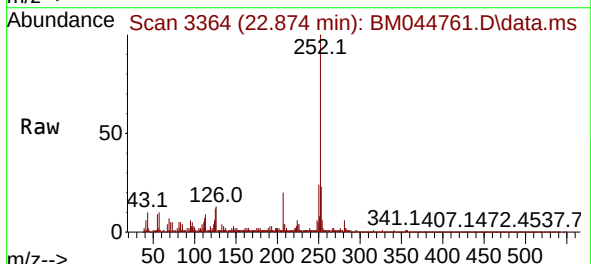
Instrument :
BNA_M
ClientSampleId :
SU-02-032224DL

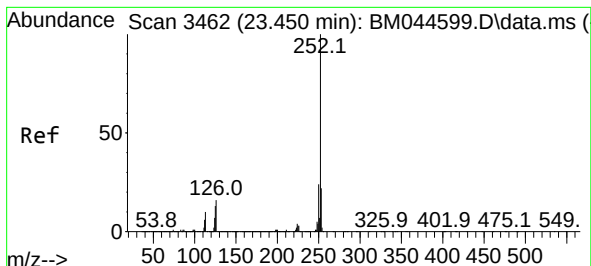
Tgt Ion:252 Resp: 1431979
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 12.3 9.6 14.4



#89
Benzo(k)fluoranthene
Concen: 40.740 ng
RT: 22.874 min Scan# 3364
Delta R.T. -0.047 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

Tgt Ion:252 Resp: 1431979
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 12.3 9.4 14.0





#90

Benzo(a)pyrene

Concen: 29.851 ng

RT: 23.451 min Scan# 34

Delta R.T. 0.000 min

Lab File: BM044761.D

Acq: 25 Mar 2024 18:24

Instrument :

BNA_M

ClientSampleId :

SU-02-032224DL

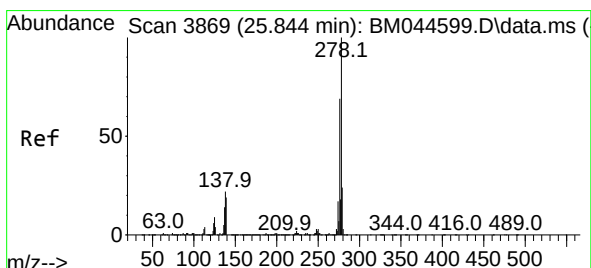
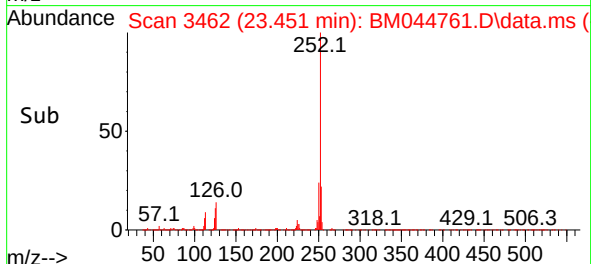
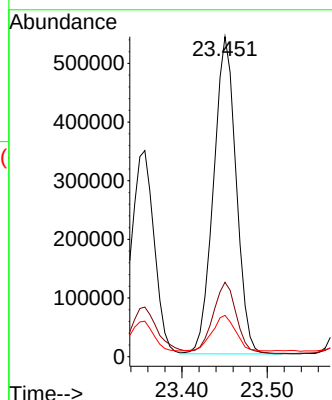
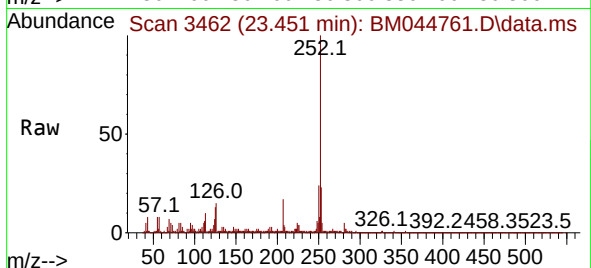
Tgt Ion:252 Resp: 995491

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 12.9 10.5 15.7



#91

Dibenzo(a,h)anthracene

Concen: 4.522 ng

RT: 25.821 min Scan# 3865

Delta R.T. -0.023 min

Lab File: BM044761.D

Acq: 25 Mar 2024 18:24

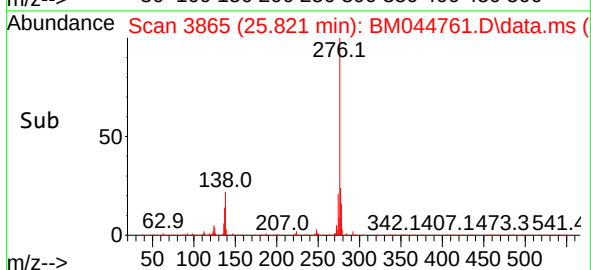
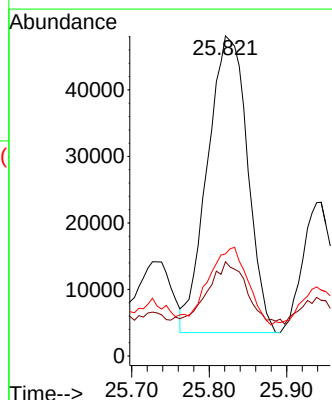
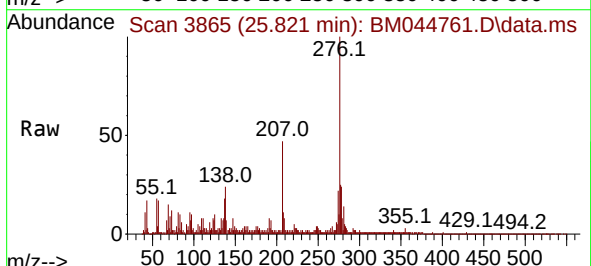
Tgt Ion:278 Resp: 160356

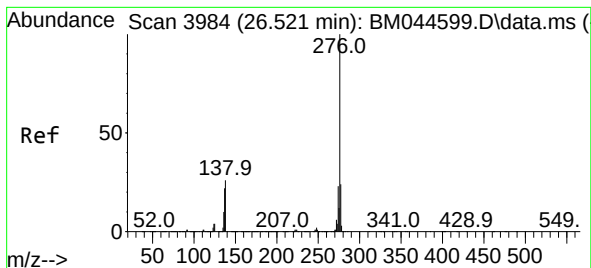
Ion Ratio Lower Upper

278 100

139 29.5 15.0 22.6#

279 31.9 19.3 28.9#





#92

Benzo(g,h,i)perylene

Concen: 17.498 ng

RT: 26.521 min Scan# 3984

Delta R.T. 0.000 min

Lab File: BM044761.D

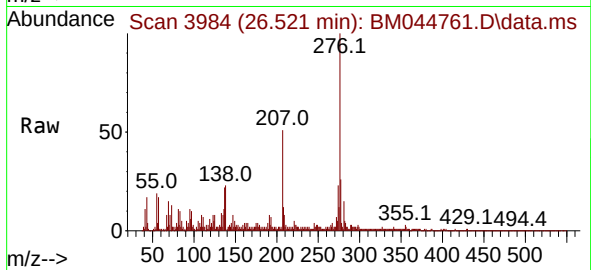
Acq: 25 Mar 2024 18:24

Instrument :

BNA_M

ClientSampleId :

SU-02-032224DL



Tgt Ion:276 Resp: 610770

Ion Ratio Lower Upper

276 100

277 25.7 19.3 28.9

138 23.3 20.7 31.1

