

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032724\
 Data File : BM044795.D
 Acq On : 28 Mar 2024 00:47
 Operator : MA/JU
 Sample : P1870-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EXTRA-PILE

Quant Time: Mar 28 02:06:11 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)

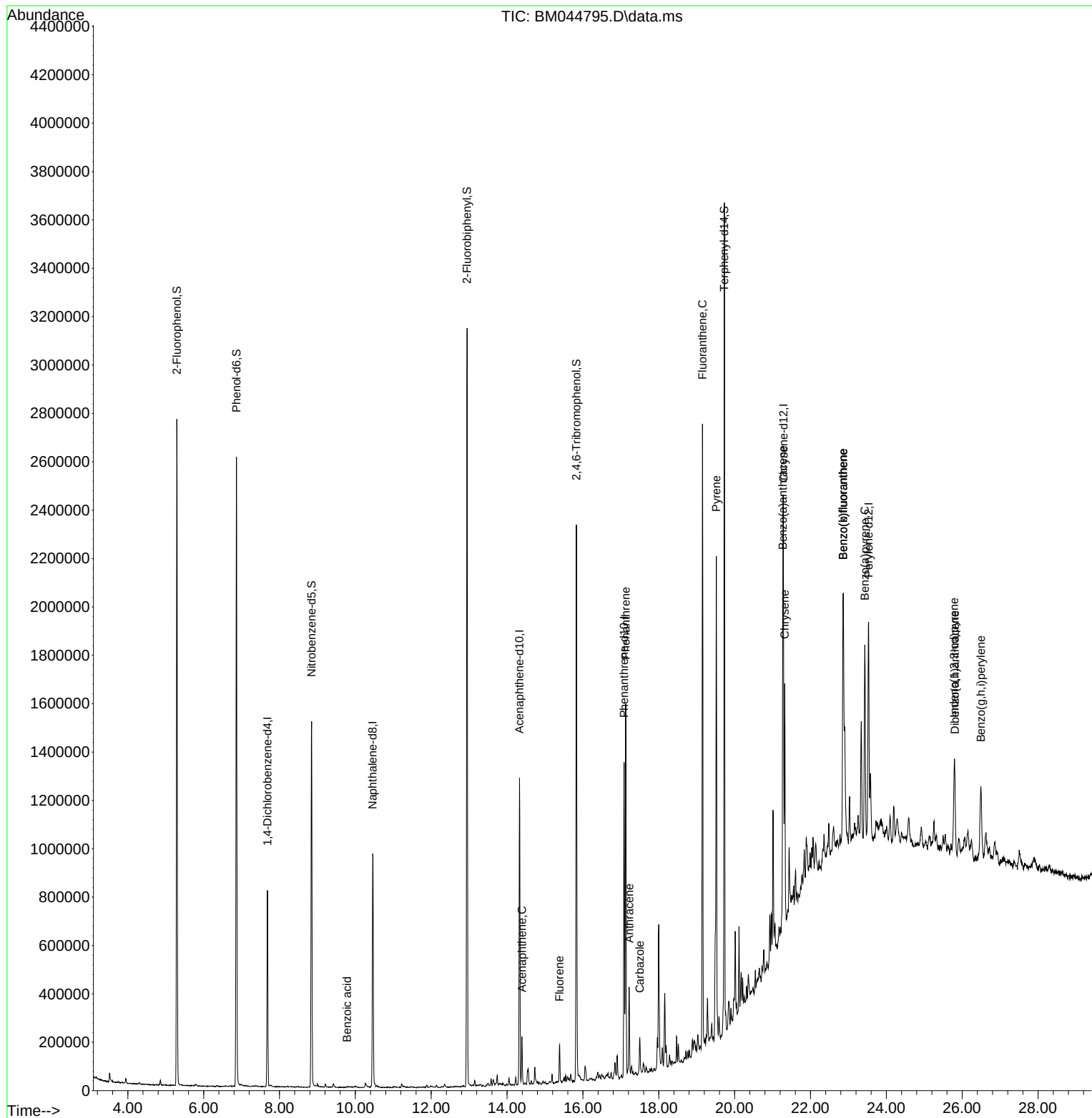
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.681	152	204474	20.000	ng	-0.02
21) Naphthalene-d8	10.457	136	796698	20.000	ng	-0.03
39) Acenaphthene-d10	14.327	164	433213	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	741120	20.000	ng	-0.02
76) Chrysene-d12	21.286	240	546046	20.000	ng	-0.02
86) Perylene-d12	23.533	264	630121	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	1102301	77.402	ng	-0.01
7) Phenol-d6	6.863	99	1391644	75.957	ng	-0.02
23) Nitrobenzene-d5	8.845	82	853353	51.602	ng	-0.02
42) 2,4,6-Tribromophenol	15.827	330	371340	77.716	ng	-0.02
45) 2-Fluorobiphenyl	12.945	172	1549838	49.270	ng	-0.02
79) Terphenyl-d14	19.727	244	1539247	49.312	ng	-0.02
Target Compounds						
						Qvalue
32) Benzoic acid	9.781	122	155	3.634	ng	# 4
52) Acenaphthene	14.392	154	65893	2.671	ng	99
58) Fluorene	15.380	166	69798	2.289	ng	96
71) Phenanthrene	17.127	178	875529	21.377	ng	100
72) Anthracene	17.221	178	229009	5.575	ng	100
73) Carbazole	17.498	167	98456	2.545	ng	97
75) Fluoranthene	19.151	202	1536749	33.566	ng	98
78) Pyrene	19.515	202	1228258	30.690	ng	99
81) Benzo(a)anthracene	21.268	228	638418	16.803	ng	99
83) Chrysene	21.321	228	536841	14.787	ng	97
87) Indeno(1,2,3-cd)pyrene	25.791	276	378854	8.317	ng	# 94
88) Benzo(b)fluoranthene	22.856	252	1043360	28.176	ng	96
89) Benzo(k)fluoranthene	22.856	252	1043360	27.408	ng	95
90) Benzo(a)pyrene	23.433	252	553669	15.329	ng	99
91) Dibenzo(a,h)anthracene	25.809	278	97067	2.528	ng	# 93
92) Benzo(g,h,i)perylene	26.491	276	354741	9.384	ng	98

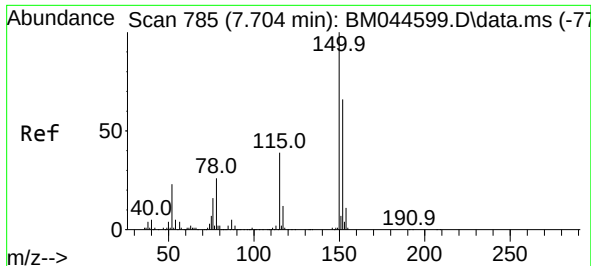
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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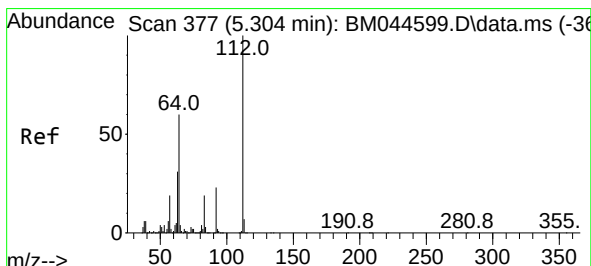
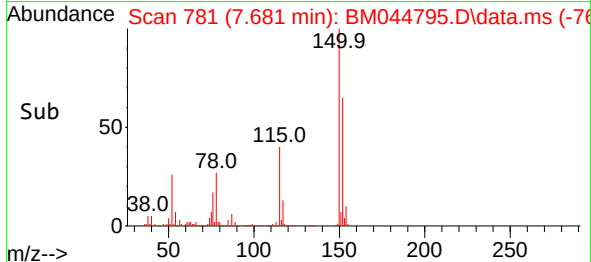
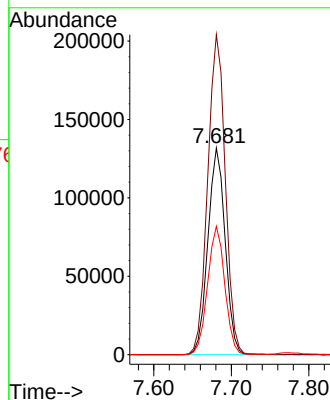
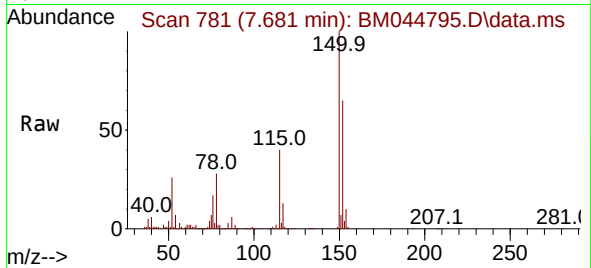


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.681 min Scan# 71
 Delta R.T. -0.023 min
 Lab File: BM044795.D
 Acq: 28 Mar 2024 00:47

Instrument :
 BNA_M
 ClientSampleId :
 EXTRA-PILE

Tgt Ion:152 Resp: 204474

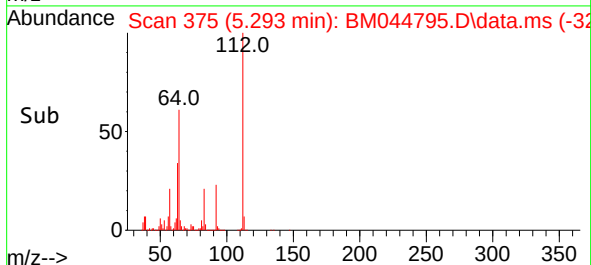
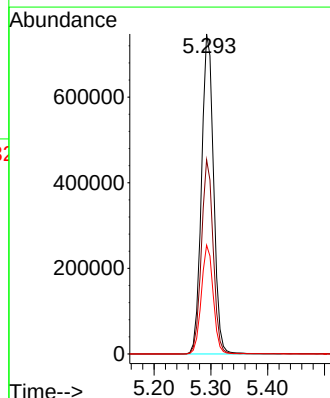
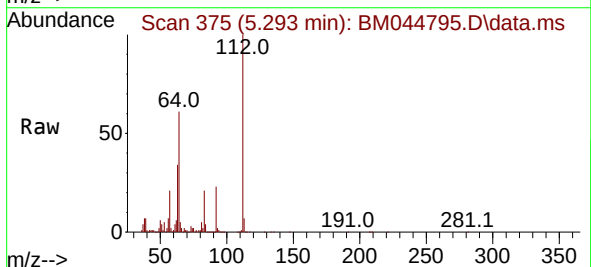
Ion	Ratio	Lower	Upper
152	100		
150	154.8	121.9	182.9
115	62.1	47.1	70.7

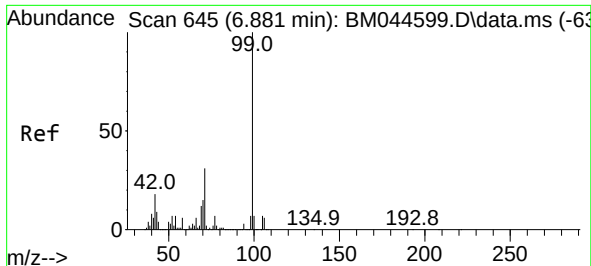


#5
 2-Fluorophenol
 Concen: 77.402 ng
 RT: 5.293 min Scan# 375
 Delta R.T. -0.012 min
 Lab File: BM044795.D
 Acq: 28 Mar 2024 00:47

Tgt Ion:112 Resp: 1102301

Ion	Ratio	Lower	Upper
112	100		
64	60.7	47.9	71.9
63	34.0	25.0	37.4

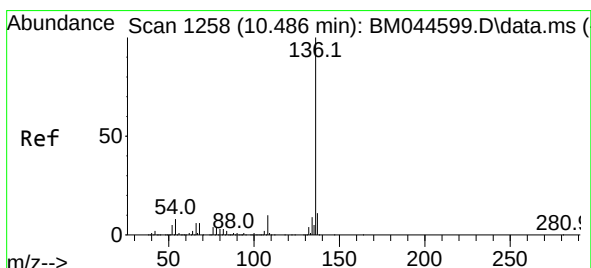
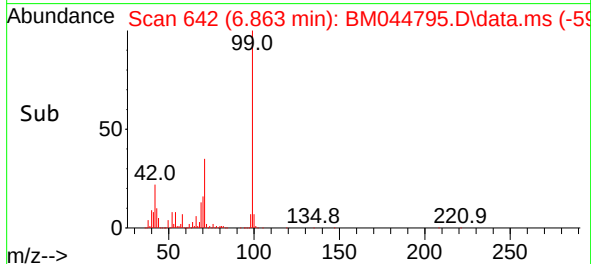
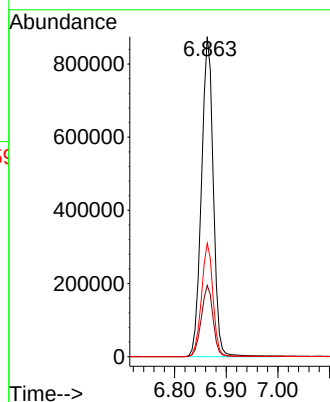
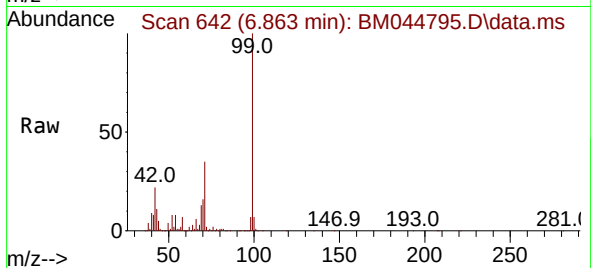




#7
Phenol-d6
Concen: 75.957 ng
RT: 6.863 min Scan# 64
Delta R.T. -0.018 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

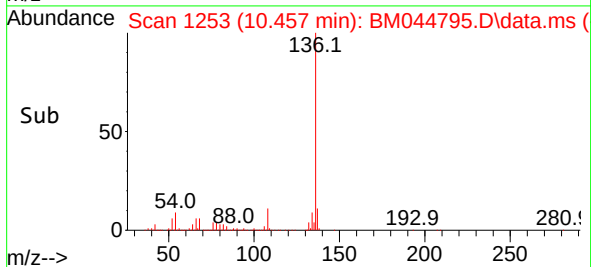
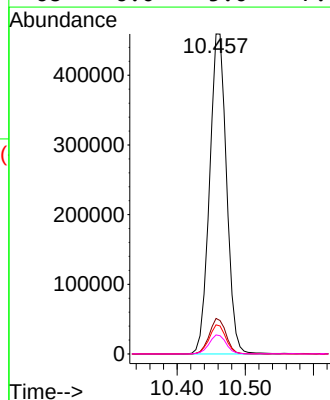
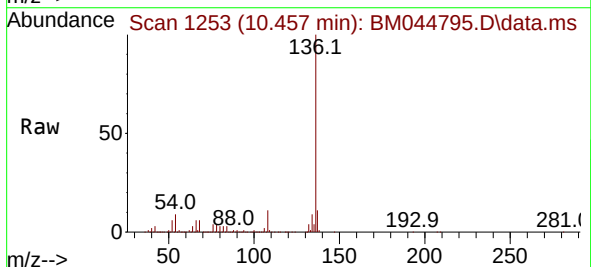
Instrument :
BNA_M
ClientSampleId :
EXTRA-PILE

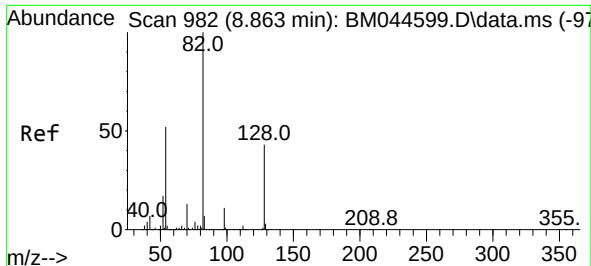
Tgt Ion: 99 Resp: 1391644
Ion Ratio Lower Upper
99 100
42 22.2 14.3 21.5#
71 35.5 24.5 36.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.457 min Scan# 1253
Delta R.T. -0.029 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

Tgt Ion: 136 Resp: 796698
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.1 6.6 10.0
68 6.0 5.0 7.4

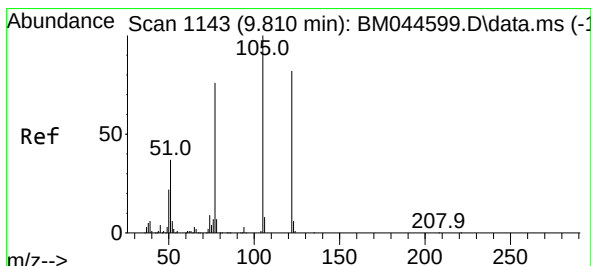
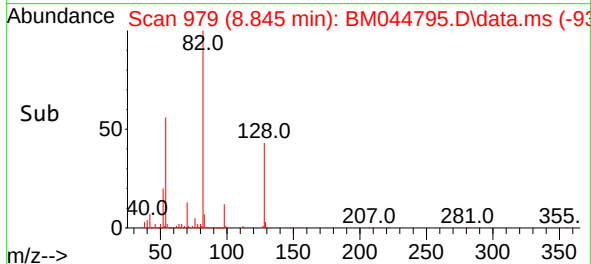
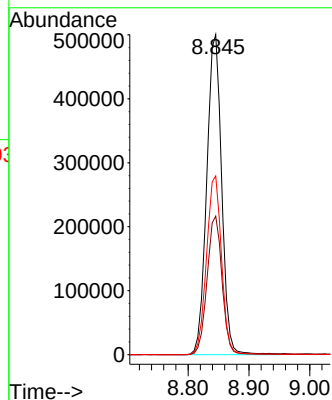
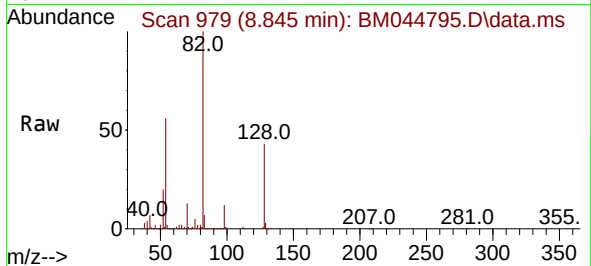




#23
Nitrobenzene-d5
Concen: 51.602 ng
RT: 8.845 min Scan# 91
Delta R.T. -0.018 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

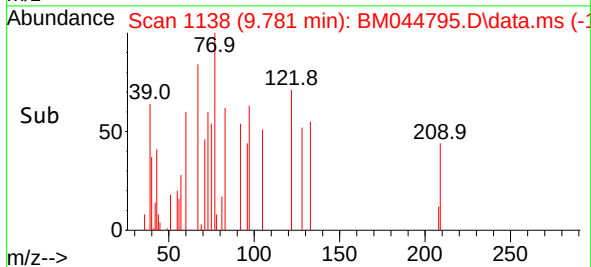
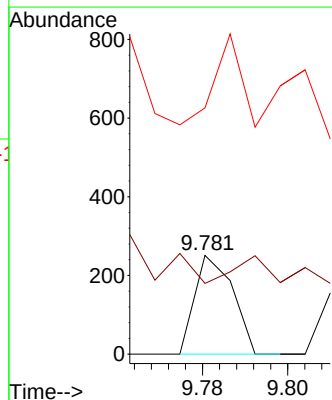
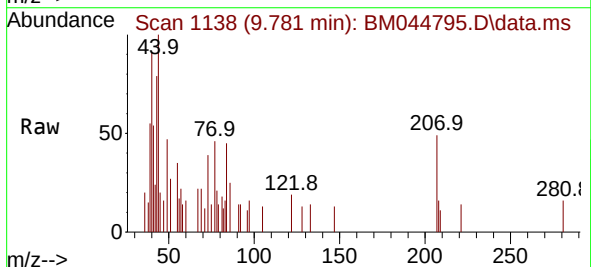
Instrument :
BNA_M
ClientSampleId :
EXTRA-PILE

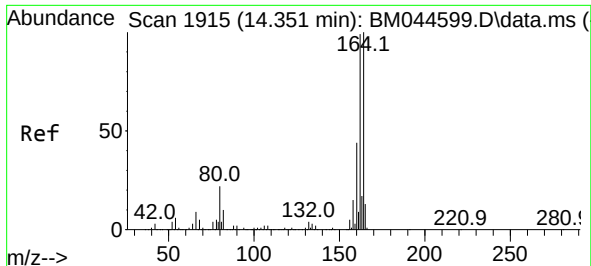
Tgt Ion: 82 Resp: 853353
Ion Ratio Lower Upper
82 100
128 43.3 34.2 51.4
54 55.9 41.3 61.9



#32
Benzoic acid
Concen: 3.634 ng
RT: 9.781 min Scan# 1138
Delta R.T. -0.029 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

Tgt Ion: 122 Resp: 155
Ion Ratio Lower Upper
122 100
105 71.7 100.0 140.0#
77 249.4 72.5 112.5#

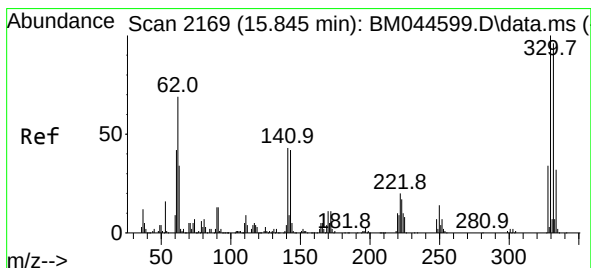
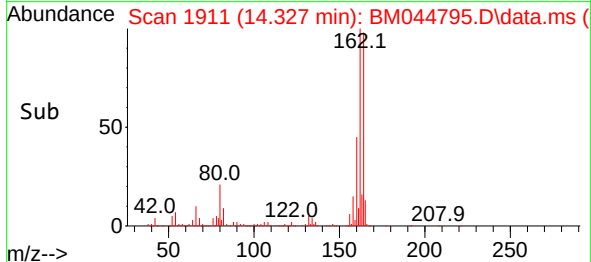
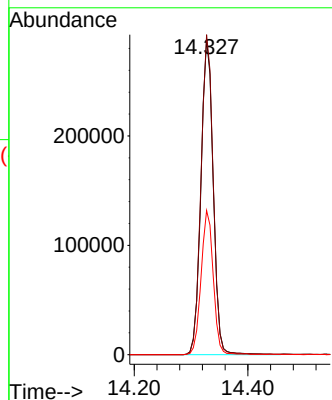
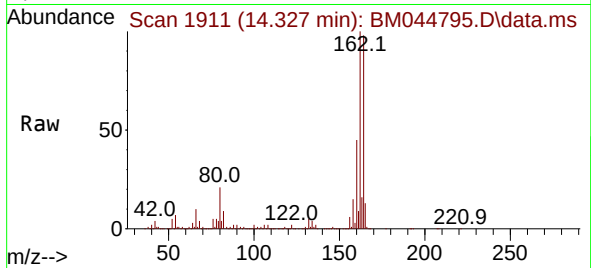




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.327 min Scan# 1911
Delta R.T. -0.023 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

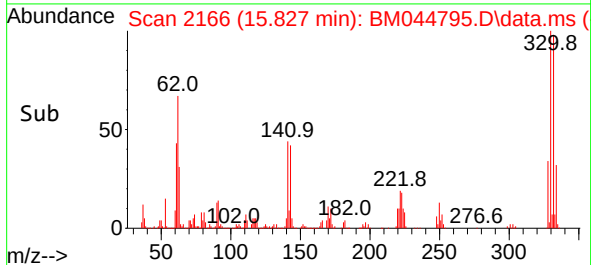
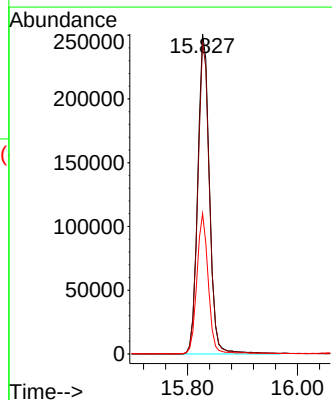
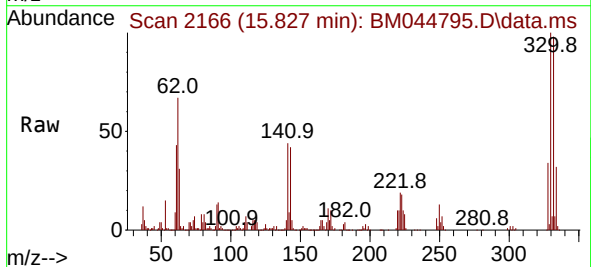
Instrument :
BNA_M
ClientSampleId :
EXTRA-PILE

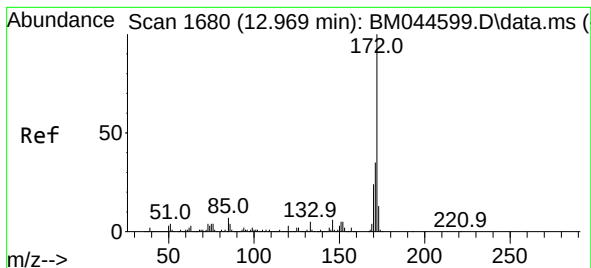
Tgt Ion:164 Resp: 433213
Ion Ratio Lower Upper
164 100
162 101.6 79.3 118.9
160 45.8 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 77.716 ng
RT: 15.827 min Scan# 2166
Delta R.T. -0.018 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

Tgt Ion:330 Resp: 371340
Ion Ratio Lower Upper
330 100
332 96.9 77.8 116.8
141 42.4 33.4 50.0





#45

2-Fluorobiphenyl

Concen: 49.270 ng

RT: 12.945 min Scan# 1

Delta R.T. -0.023 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

Instrument :

BNA_M

ClientSampleId :

EXTRA-PILE

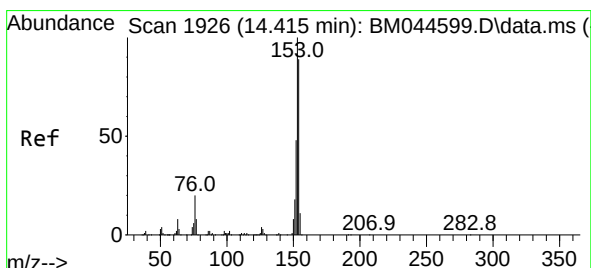
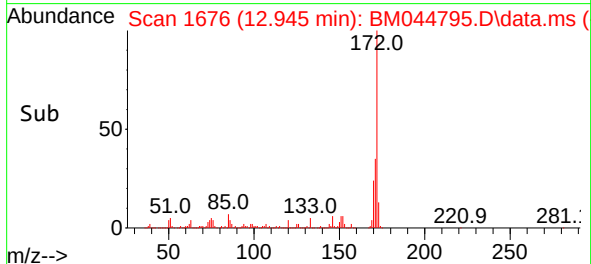
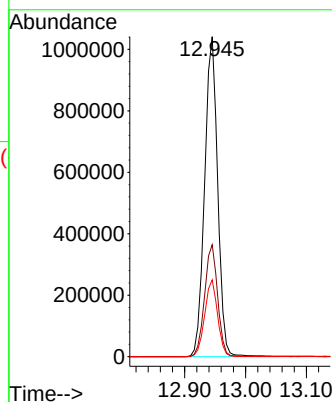
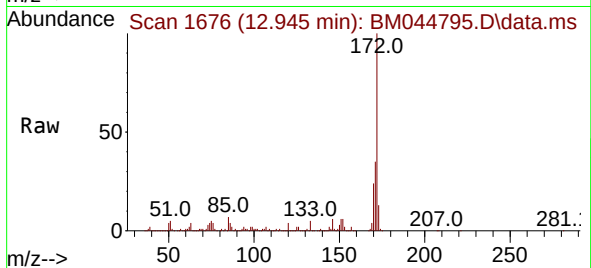
Tgt Ion:172 Resp: 1549838

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.2

170 24.0 19.0 28.6



#52

Acenaphthene

Concen: 2.671 ng

RT: 14.392 min Scan# 1922

Delta R.T. -0.023 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

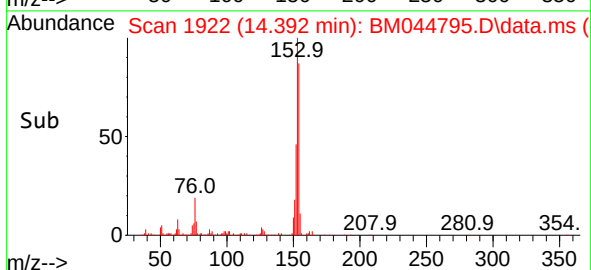
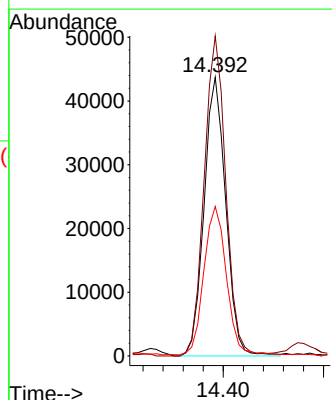
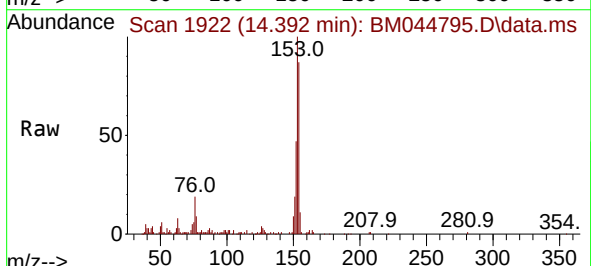
Tgt Ion:154 Resp: 65893

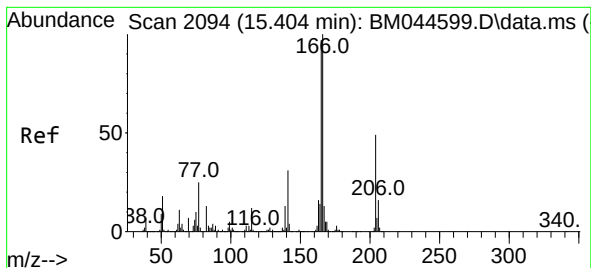
Ion Ratio Lower Upper

154 100

153 114.8 90.3 135.5

152 53.6 43.1 64.7





#58

Fluorene

Concen: 2.289 ng

RT: 15.380 min Scan# 2094

Delta R.T. -0.023 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

Instrument :

BNA_M

ClientSampleId :

EXTRA-PILE

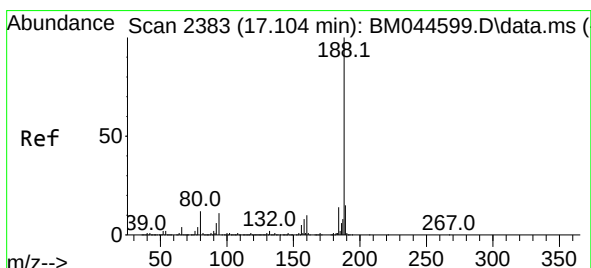
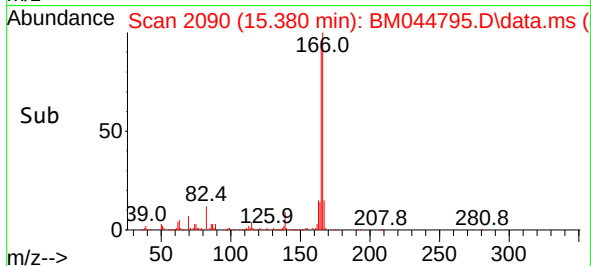
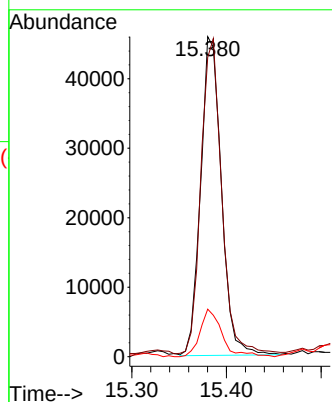
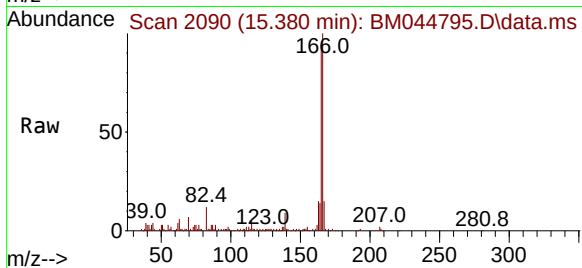
Tgt Ion:166 Resp: 69798

Ion Ratio Lower Upper

166 100

165 93.6 77.7 116.5

167 14.8 10.8 16.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.086 min Scan# 2380

Delta R.T. -0.018 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

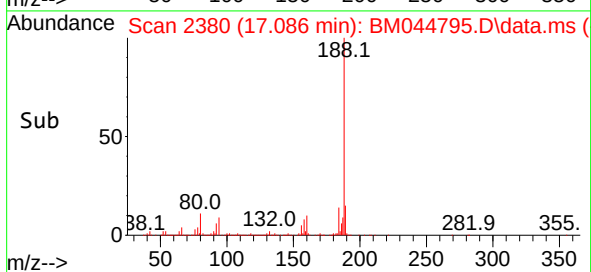
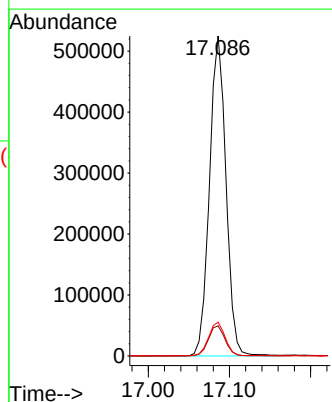
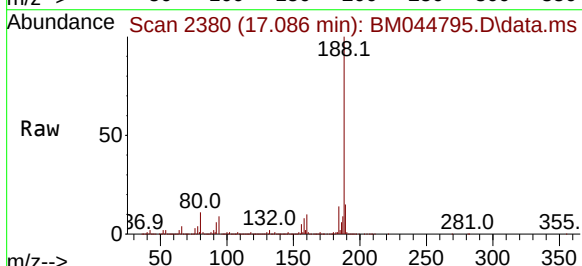
Tgt Ion:188 Resp: 741120

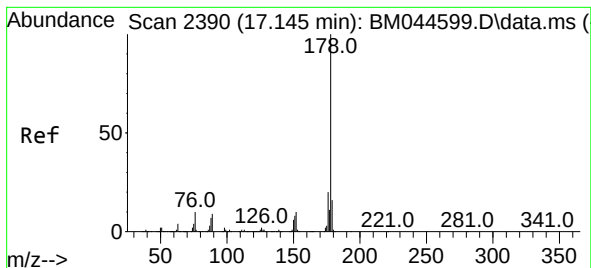
Ion Ratio Lower Upper

188 100

94 9.4 8.4 12.6

80 10.6 9.4 14.0





#71

Phenanthrene

Concen: 21.377 ng

RT: 17.127 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

Instrument :

BNA_M

ClientSampleId :

EXTRA-PILE

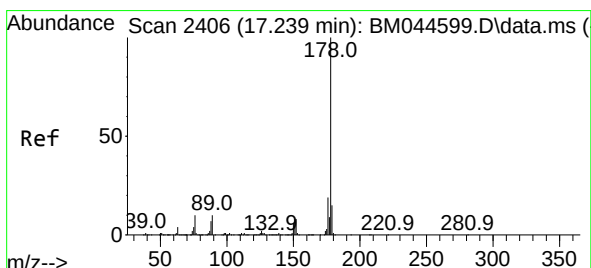
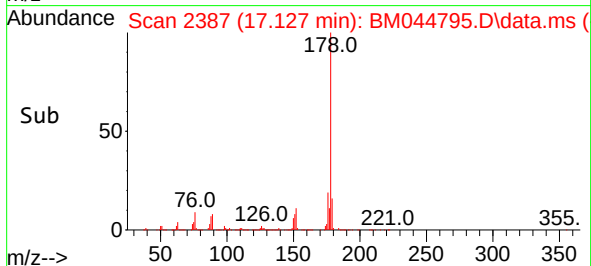
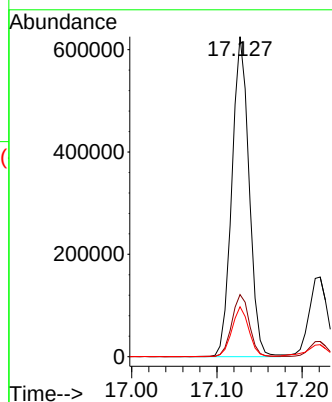
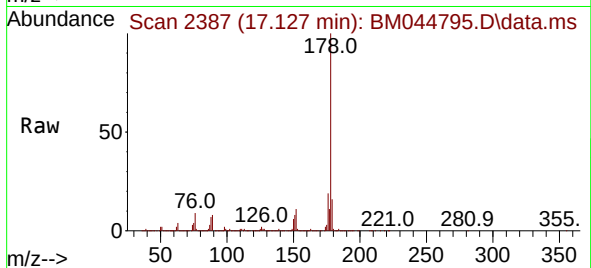
Tgt Ion:178 Resp: 875529

Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

179 15.6 12.4 18.6



#72

Anthracene

Concen: 5.575 ng

RT: 17.221 min Scan# 2403

Delta R.T. -0.018 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

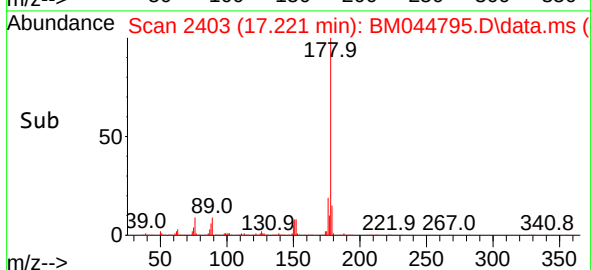
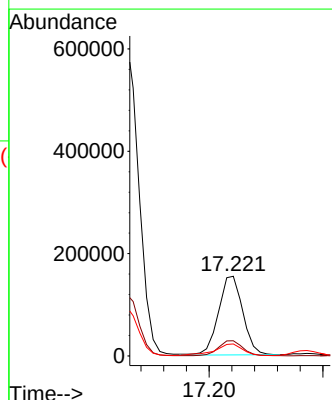
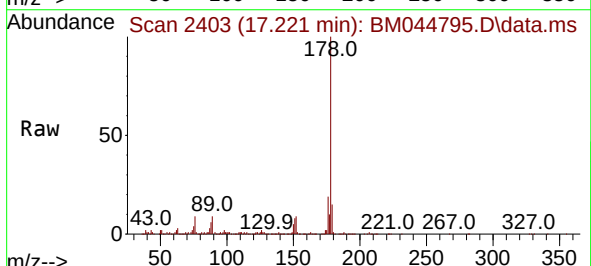
Tgt Ion:178 Resp: 229009

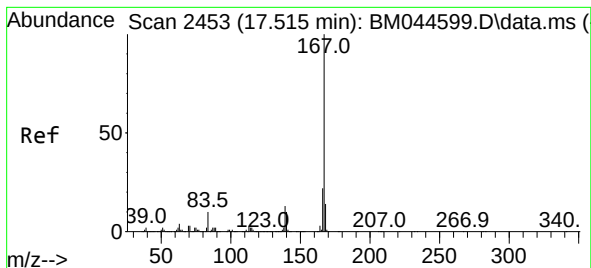
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.1 12.2 18.4





#73

Carbazole

Concen: 2.545 ng

RT: 17.498 min Scan# 24

Delta R.T. -0.018 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

Instrument :

BNA_M

ClientSampleId :

EXTRA-PILE

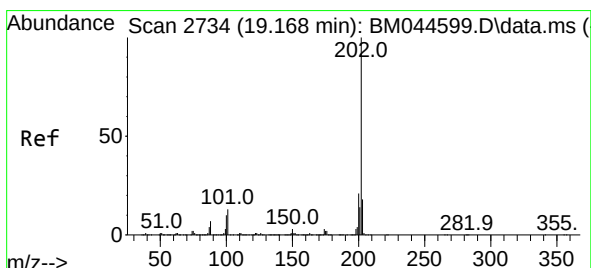
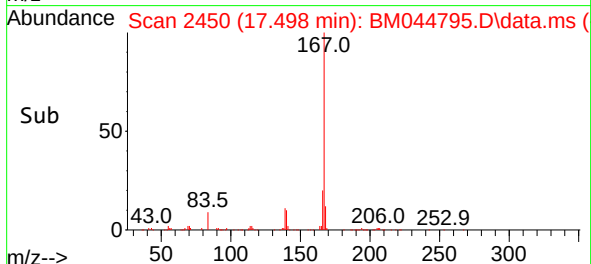
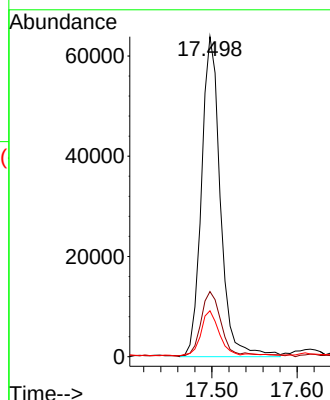
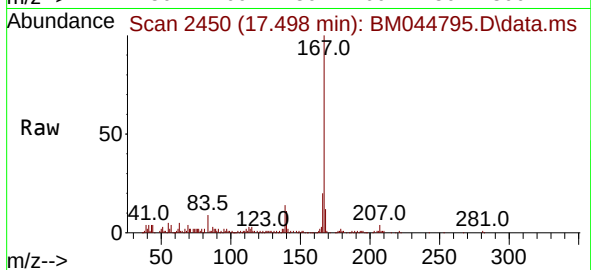
Tgt Ion:167 Resp: 98456

Ion Ratio Lower Upper

167 100

166 20.3 17.2 25.8

139 14.4 10.6 15.8



#75

Fluoranthene

Concen: 33.566 ng

RT: 19.151 min Scan# 2731

Delta R.T. -0.018 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

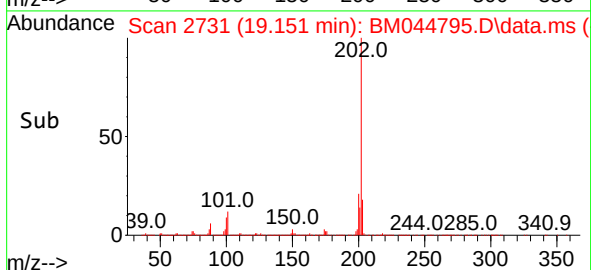
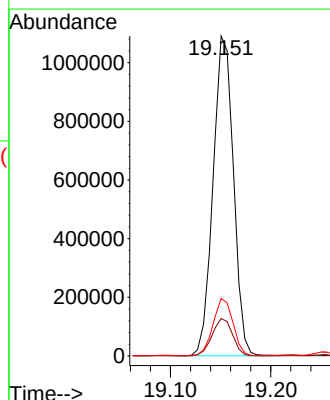
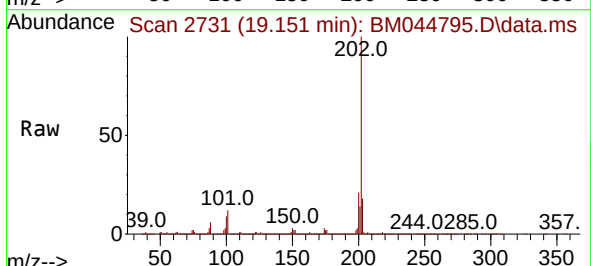
Tgt Ion:202 Resp: 1536749

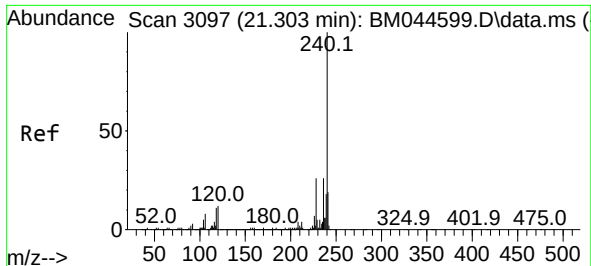
Ion Ratio Lower Upper

202 100

101 11.7 0.0 33.3

203 17.9 0.0 37.7

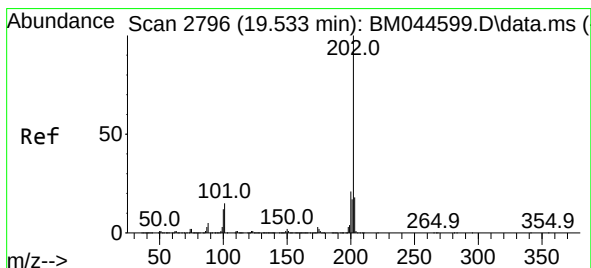
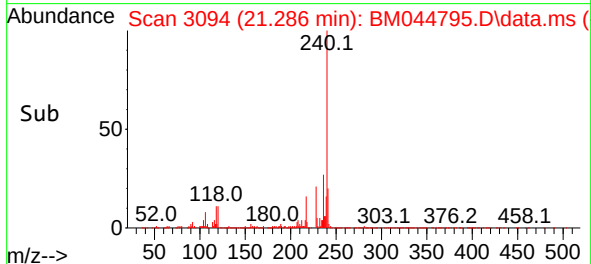
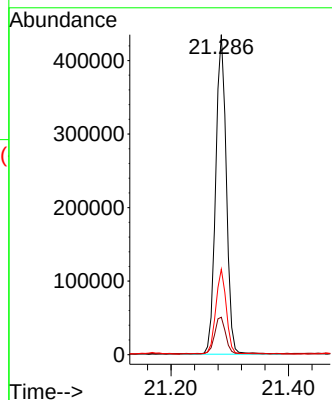
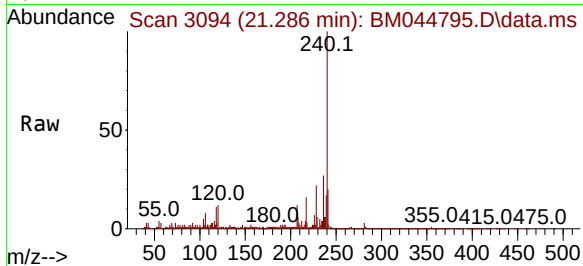




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.286 min Scan# 30
Delta R.T. -0.018 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

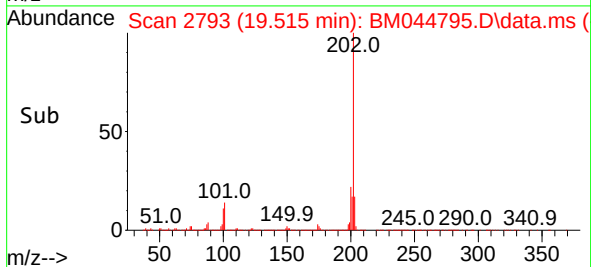
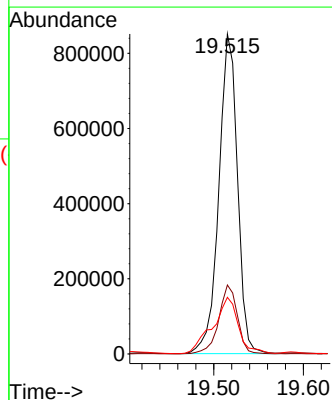
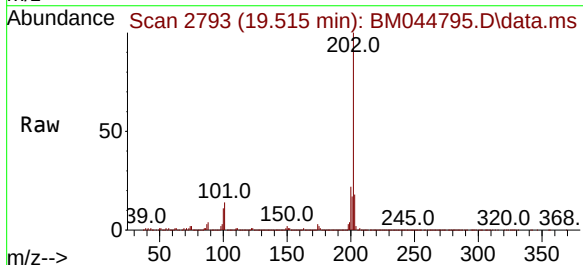
Instrument :
BNA_M
ClientSampleId :
EXTRA-PILE

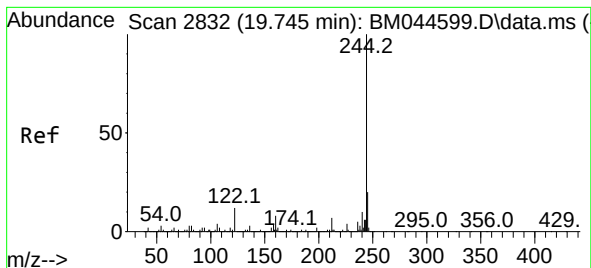
Tgt Ion:240 Resp: 546046
Ion Ratio Lower Upper
240 100
120 11.7 9.7 14.5
236 26.7 21.0 31.4



#78
Pyrene
Concen: 30.690 ng
RT: 19.515 min Scan# 2793
Delta R.T. -0.018 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

Tgt Ion:202 Resp: 1228258
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.4
203 17.7 14.1 21.1





#79

Terphenyl-d14

Concen: 49.312 ng

RT: 19.727 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

Instrument :

BNA_M

ClientSampleId :

EXTRA-PILE

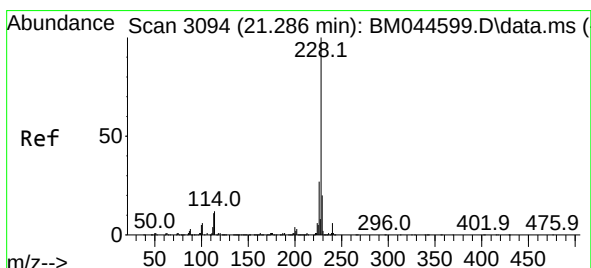
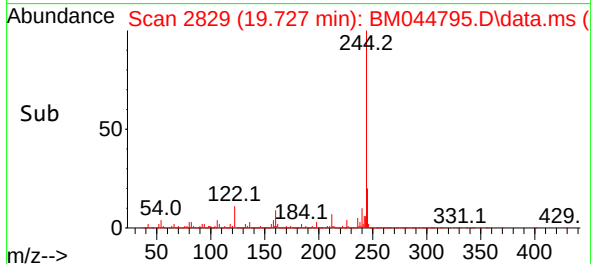
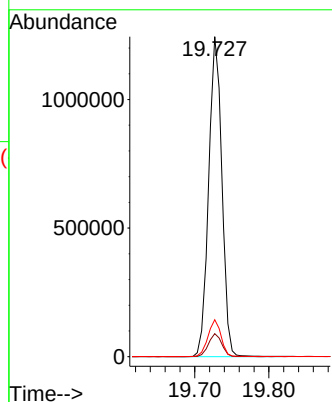
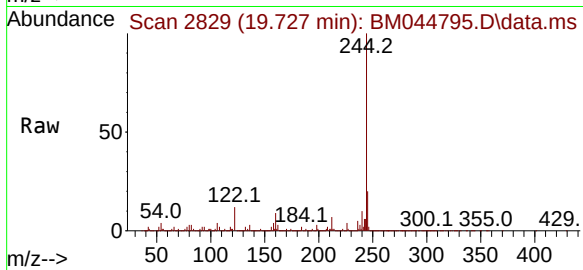
Tgt Ion:244 Resp: 1539247

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

122 11.5 9.7 14.5



#81

Benzo(a)anthracene

Concen: 16.803 ng

RT: 21.268 min Scan# 3091

Delta R.T. -0.018 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

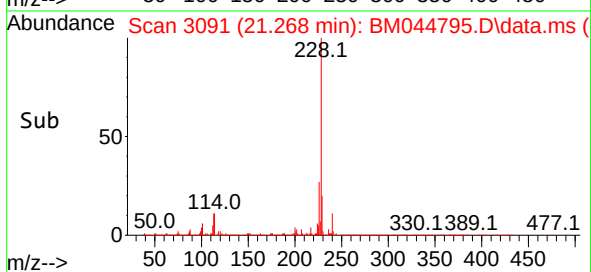
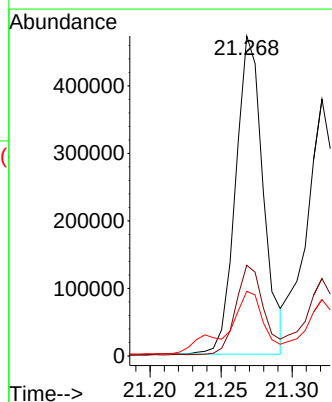
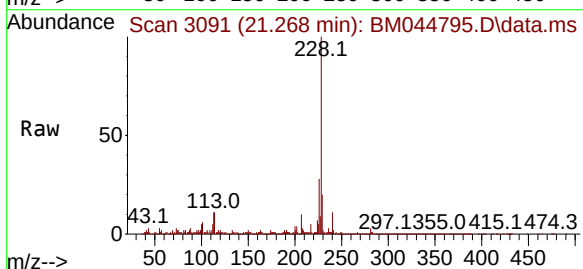
Tgt Ion:228 Resp: 638418

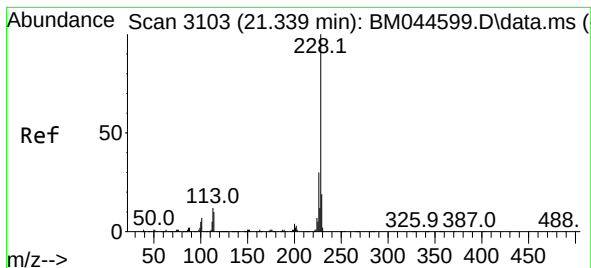
Ion Ratio Lower Upper

228 100

226 28.3 21.9 32.9

229 20.2 15.9 23.9





#83

Chrysene

Concen: 14.787 ng

RT: 21.321 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

Instrument :

BNA_M

ClientSampleId :

EXTRA-PILE

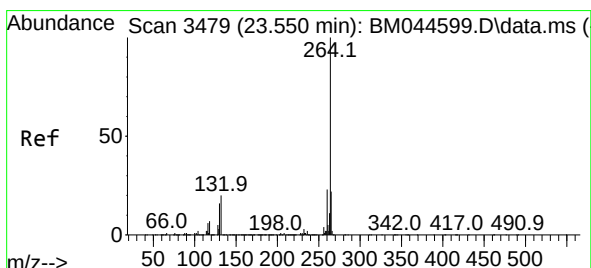
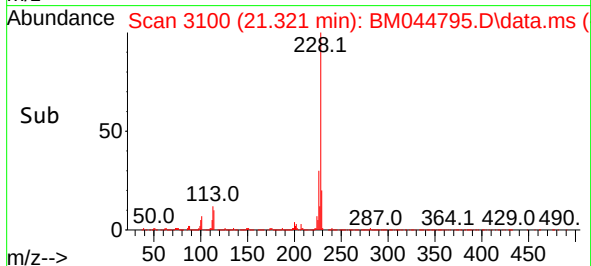
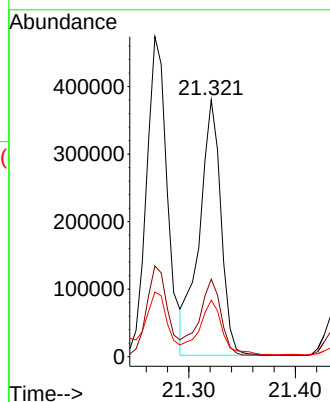
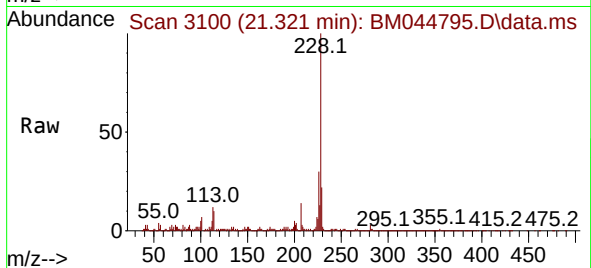
Tgt Ion:228 Resp: 536841

Ion Ratio Lower Upper

228 100

226 30.2 23.6 35.4

229 22.0 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.533 min Scan# 3476

Delta R.T. -0.018 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

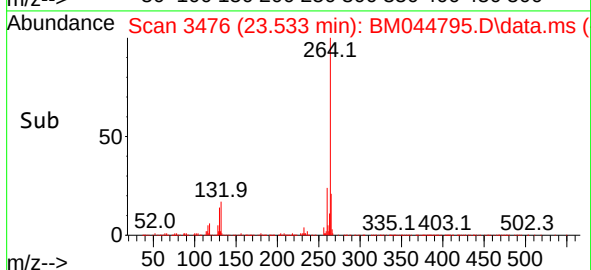
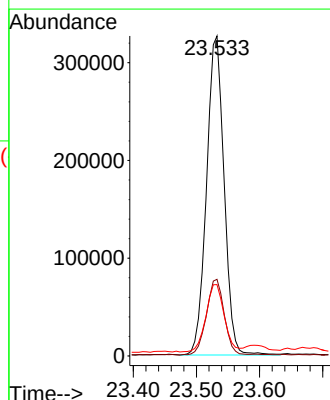
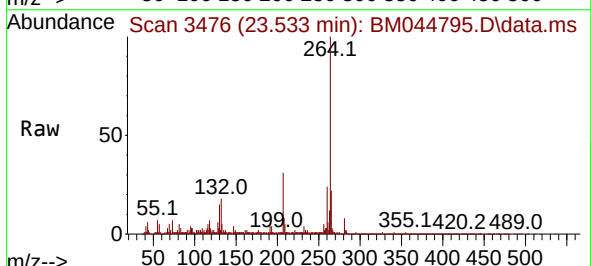
Tgt Ion:264 Resp: 630121

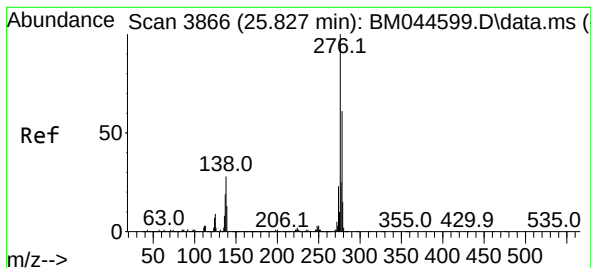
Ion Ratio Lower Upper

264 100

260 24.0 18.3 27.5

265 22.3 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.317 ng

RT: 25.791 min Scan# 31

Delta R.T. -0.035 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

Instrument :

BNA_M

ClientSampleId :

EXTRA-PILE

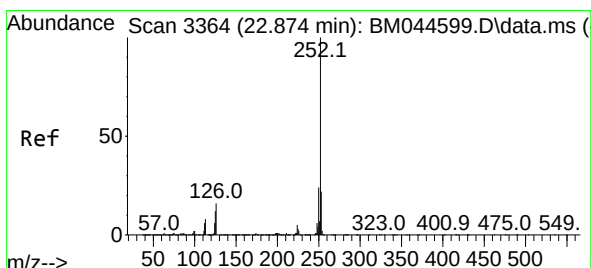
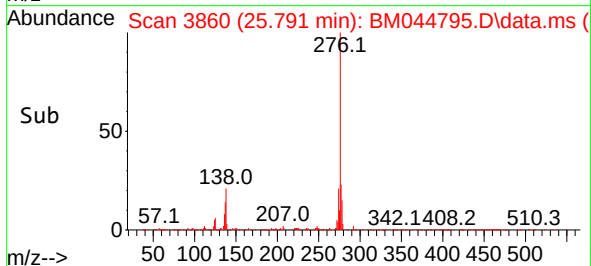
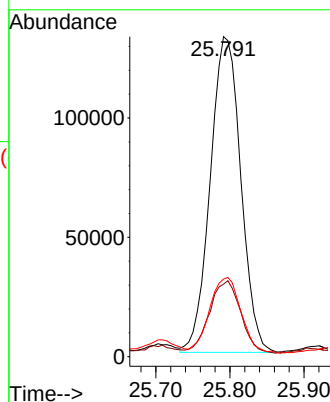
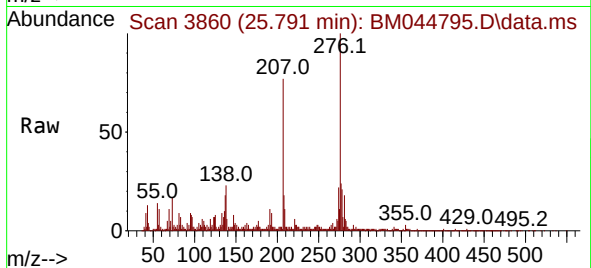
Tgt Ion:276 Resp: 378854

Ion Ratio Lower Upper

276 100

138 23.4 23.6 35.4#

277 24.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 28.176 ng

RT: 22.856 min Scan# 3361

Delta R.T. -0.018 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

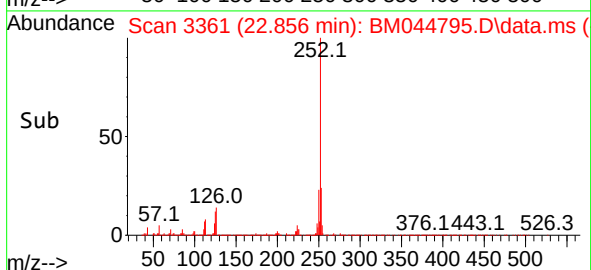
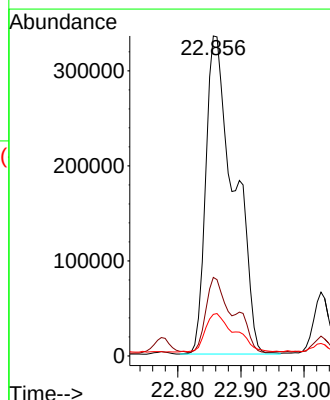
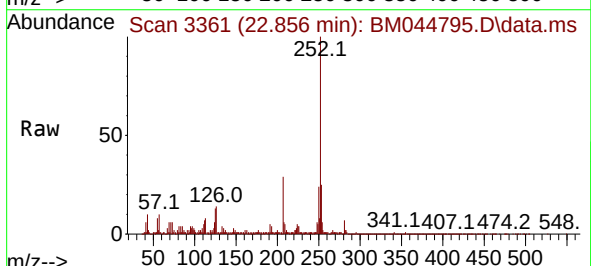
Tgt Ion:252 Resp: 1043360

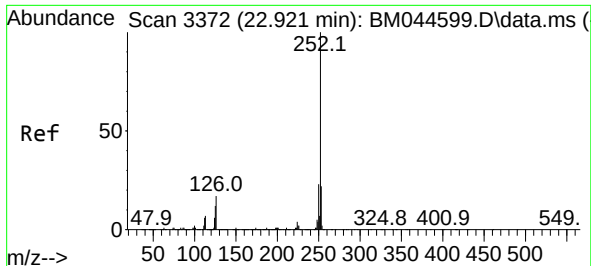
Ion Ratio Lower Upper

252 100

253 24.6 17.8 26.8

125 13.0 9.6 14.4

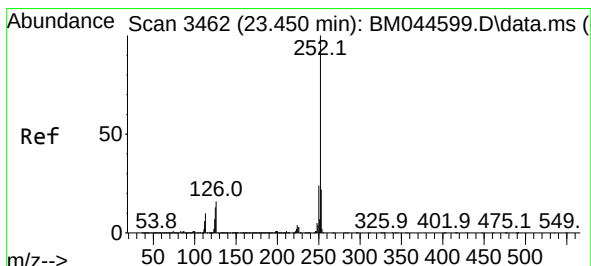
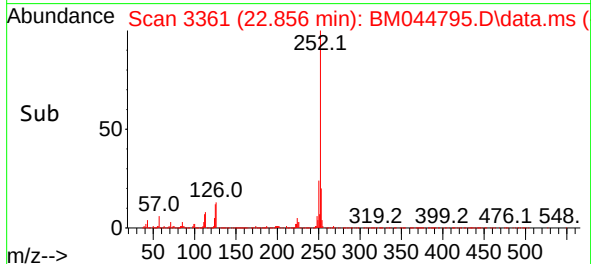
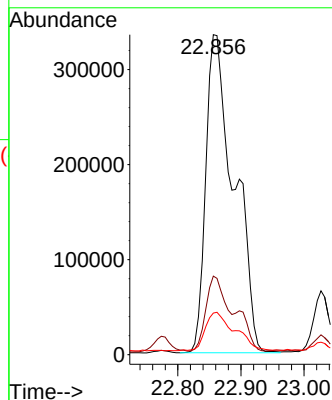
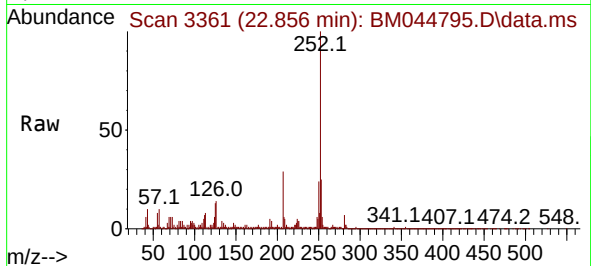




#89
Benzo(k)fluoranthene
Concen: 27.408 ng
RT: 22.856 min Scan# 31
Delta R.T. -0.065 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

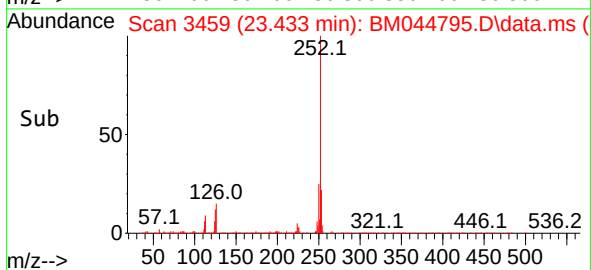
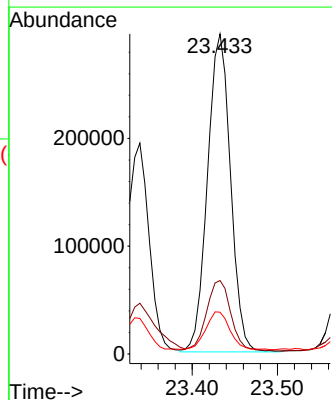
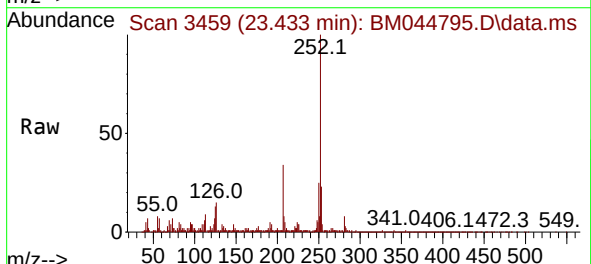
Instrument :
BNA_M
ClientSampleId :
EXTRA-PILE

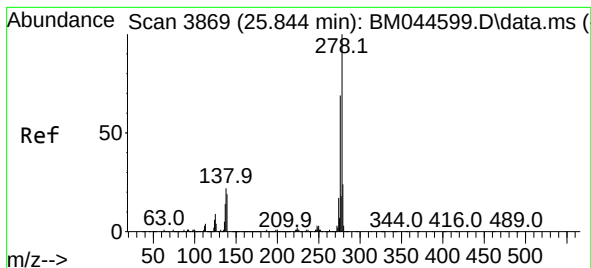
Tgt Ion:252 Resp: 1043360
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 13.0 9.4 14.0



#90
Benzo(a)pyrene
Concen: 15.329 ng
RT: 23.433 min Scan# 3459
Delta R.T. -0.018 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

Tgt Ion:252 Resp: 553669
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 13.1 10.5 15.7





#91

Dibenzo(a,h)anthracene

Concen: 2.528 ng

RT: 25.809 min Scan# 31

Delta R.T. -0.035 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

Instrument :

BNA_M

ClientSampleId :

EXTRA-PILE

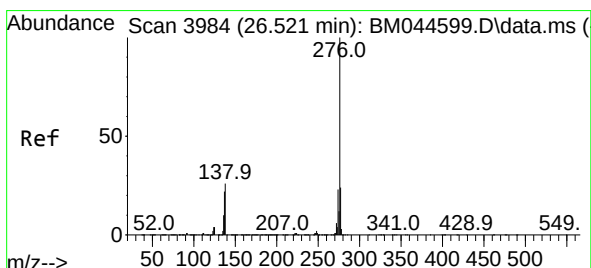
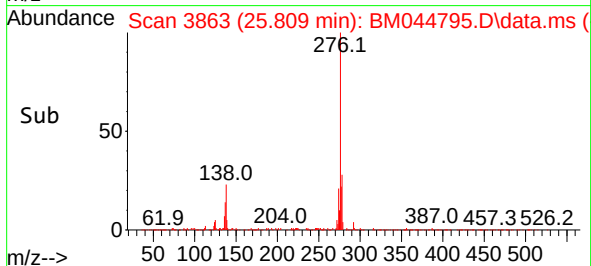
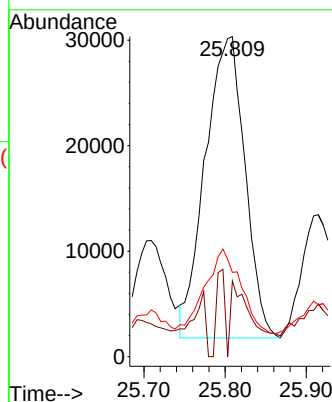
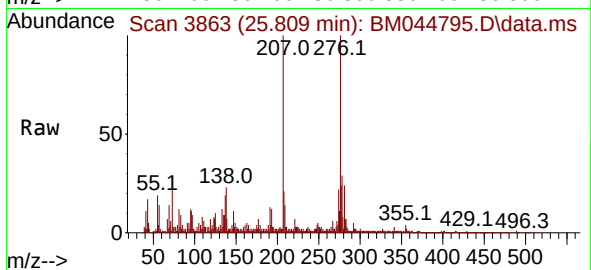
Tgt Ion:278 Resp: 97067

Ion Ratio Lower Upper

278 100

139 23.7 15.0 22.6#

279 26.4 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 9.384 ng

RT: 26.491 min Scan# 3979

Delta R.T. -0.029 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

Tgt Ion:276 Resp: 354741

Ion Ratio Lower Upper

276 100

277 24.5 19.3 28.9

138 24.6 20.7 31.1

