

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
 Data File : BM042526.D
 Acq On : 01 Nov 2023 00:24
 Operator : MA/JU
 Sample : 04938-07 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A-4(0-2)

Quant Time: Nov 01 01:52:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 02:55:18 2023
 Response via : Initial Calibration

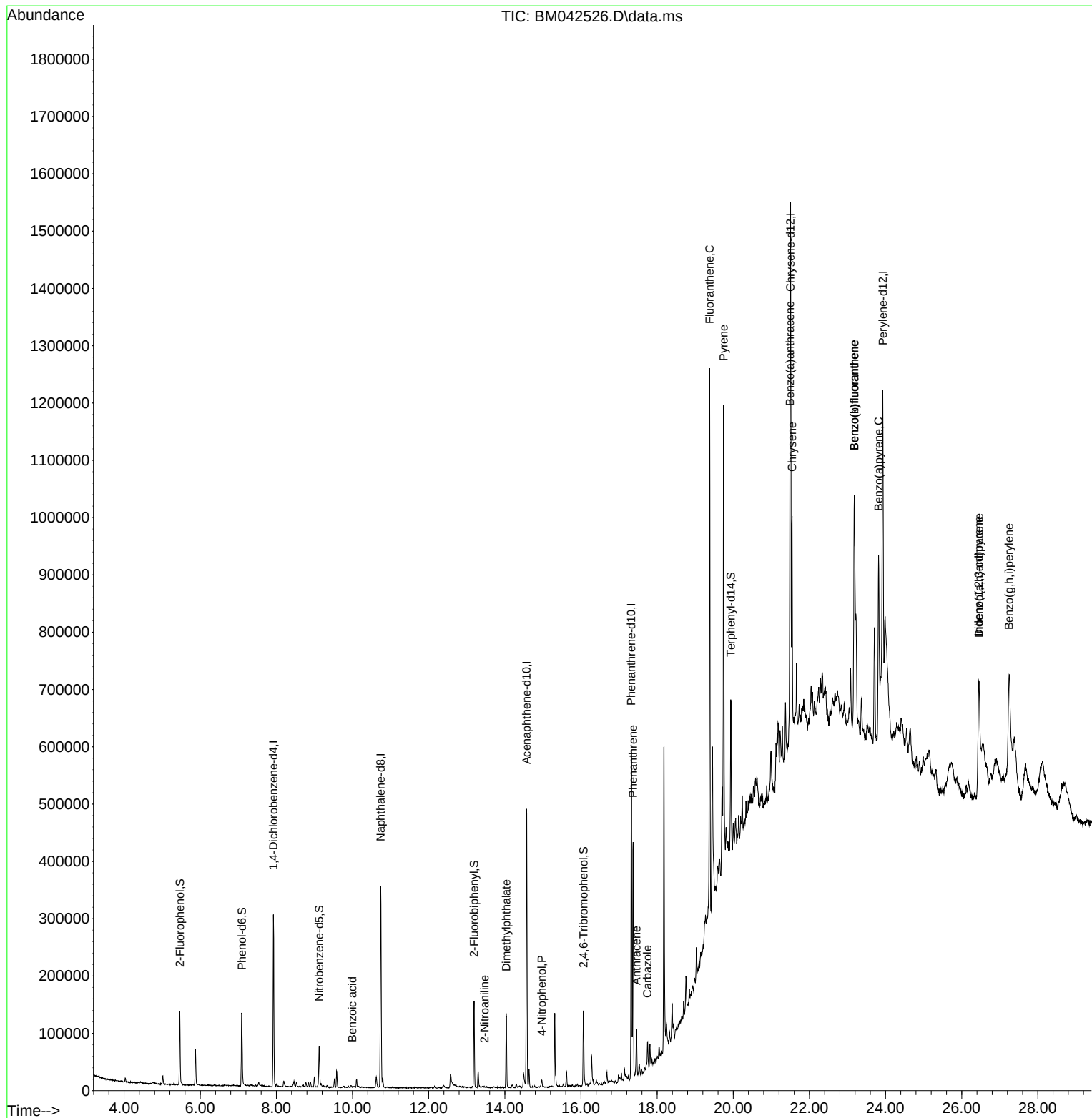
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	71045	20.000	ng	0.00
21) Naphthalene-d8	10.739	136	259003	20.000	ng	-0.01
39) Acenaphthene-d10	14.569	164	153292	20.000	ng	-0.01
64) Phenanthrene-d10	17.321	188	333351	20.000	ng	0.00
76) Chrysene-d12	21.503	240	355329	20.000	ng	0.00
86) Perylene-d12	23.927	264	409649	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	49136	11.162	ng	0.00
7) Phenol-d6	7.093	99	59839	9.911	ng	0.00
23) Nitrobenzene-d5	9.122	82	40755	7.335	ng	-0.01
42) 2,4,6-Tribromophenol	16.069	330	21023	10.504	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	70684	6.205	ng	0.00
79) Terphenyl-d14	19.939	244	99167	4.732	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.992	122	424	4.238	ng	# 80
48) 2-Nitroaniline	13.469	65	60	4.366	ng	# 13
50) Dimethylphthalate	14.039	163	73730	6.435	ng	98
56) 4-Nitrophenol	14.969	139	2582	8.052	ng	# 1
71) Phenanthrene	17.368	178	230749	13.246	ng	99
72) Anthracene	17.457	178	44494	2.579	ng	97
73) Carbazole	17.745	167	30116	2.145	ng	97
75) Fluoranthene	19.380	202	525581	25.684	ng	99
78) Pyrene	19.745	202	461897	18.931	ng	99
81) Benzo(a)anthracene	21.486	228	232228	10.272	ng	99
83) Chrysene	21.545	228	214974	9.361	ng	96
87) Indeno(1,2,3-cd)pyrene	26.450	276	177688	7.288	ng	# 92
88) Benzo(b)fluoranthene	23.180	252	321398	14.083	ng	97
89) Benzo(k)fluoranthene	23.180	252	321398	12.638	ng	97
90) Benzo(a)pyrene	23.815	252	220402	9.809	ng	96
91) Dibenzo(a,h)anthracene	26.456	278	37219	5.649	ng	# 95
92) Benzo(g,h,i)perylene	27.244	276	193667	9.013	ng	97

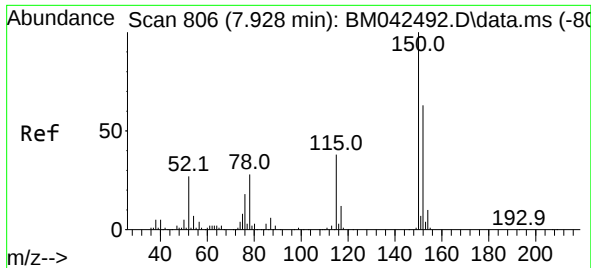
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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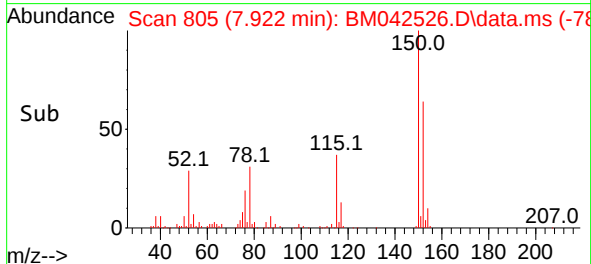
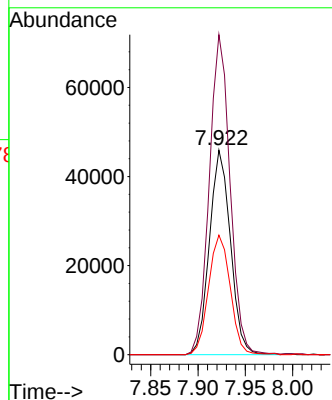
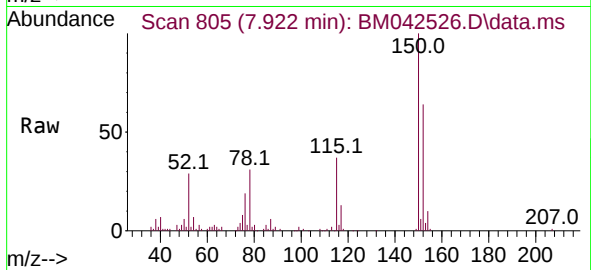




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

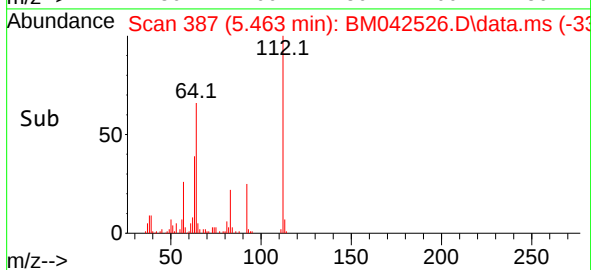
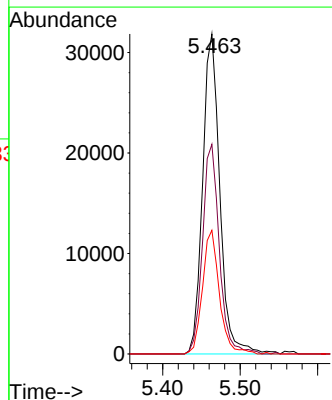
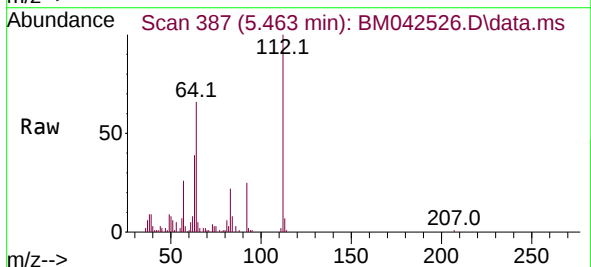
Instrument :
BNA_M
ClientSampleId :
A-4(0-2)

Tgt Ion:152 Resp: 71045
Ion Ratio Lower Upper
152 100
150 156.5 127.4 191.0
115 58.5 47.9 71.9



#5
2-Fluorophenol
Concen: 11.162 ng
RT: 5.463 min Scan# 387
Delta R.T. 0.000 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

Tgt Ion:112 Resp: 49136
Ion Ratio Lower Upper
112 100
64 65.5 52.1 78.1
63 38.6 28.3 42.5

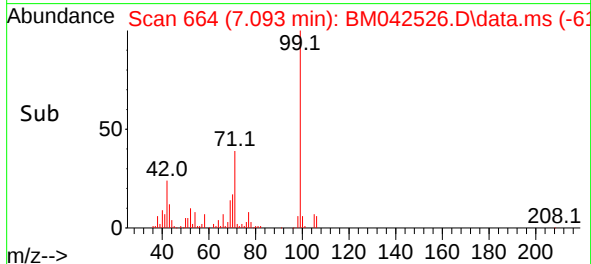
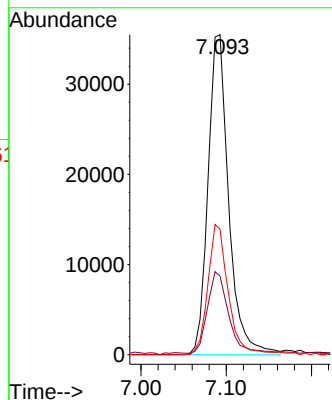
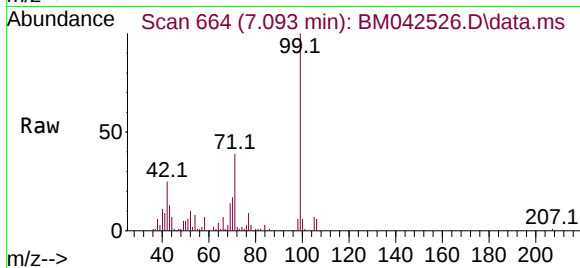




#7
Phenol-d6
Concen: 9.911 ng
RT: 7.093 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

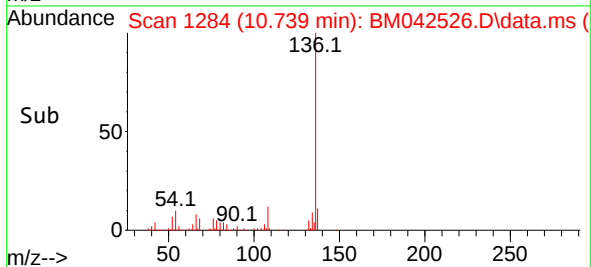
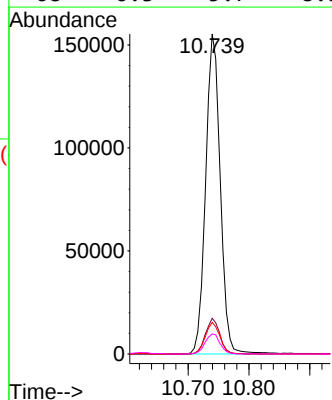
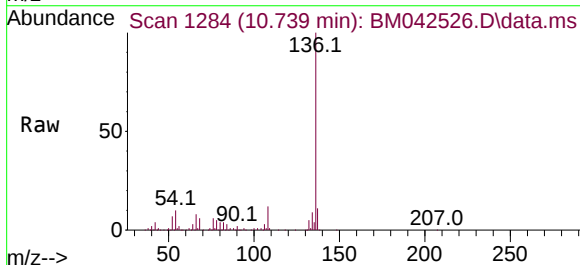
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BNA_M
ClientSampleId :
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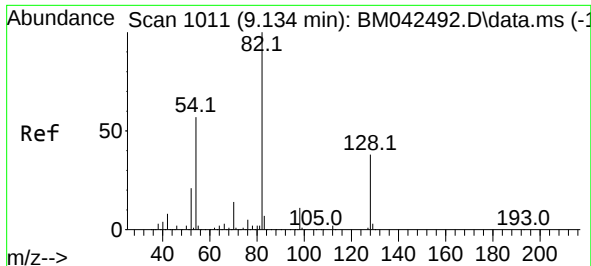
Tgt Ion: 99 Resp: 59839
Ion Ratio Lower Upper
99 100
42 24.6 18.7 28.1
71 39.2 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.739 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

Tgt Ion: 136 Resp: 259003
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 9.8 8.0 12.0
68 6.3 5.7 8.5





#23

Nitrobenzene-d5

Concen: 7.335 ng

RT: 9.122 min Scan# 1109

Delta R.T. -0.012 min

Lab File: BM042526.D

Acq: 01 Nov 2023 00:24

Instrument :

BNA_M

ClientSampleId :

A-4(0-2)

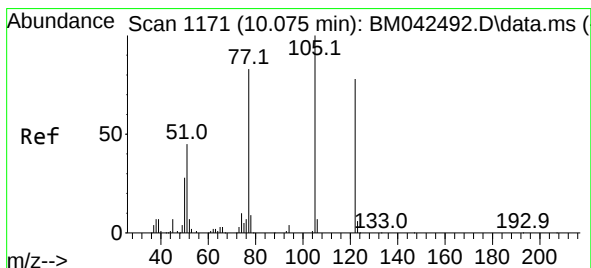
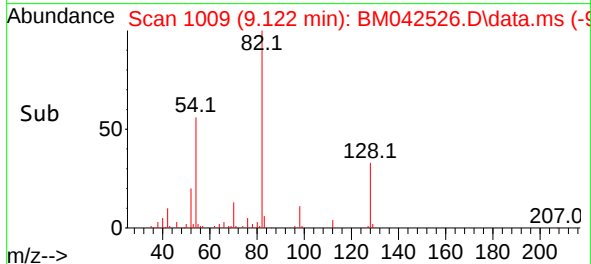
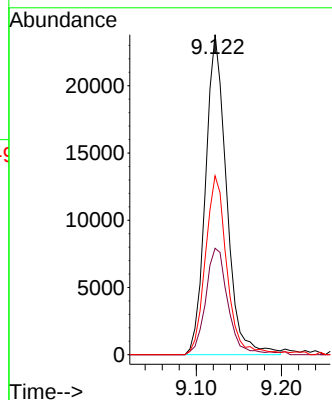
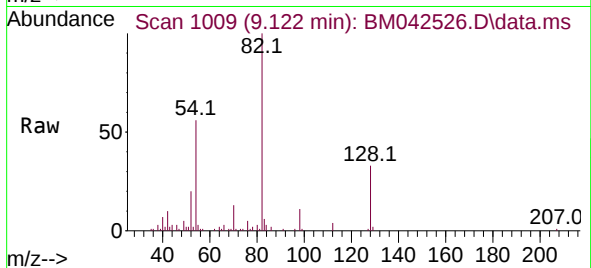
Tgt Ion: 82 Resp: 40755

Ion Ratio Lower Upper

82 100

128 33.2 30.7 46.1

54 55.9 45.3 67.9



#32

Benzoic acid

Concen: 4.238 ng

RT: 9.992 min Scan# 1157

Delta R.T. -0.083 min

Lab File: BM042526.D

Acq: 01 Nov 2023 00:24

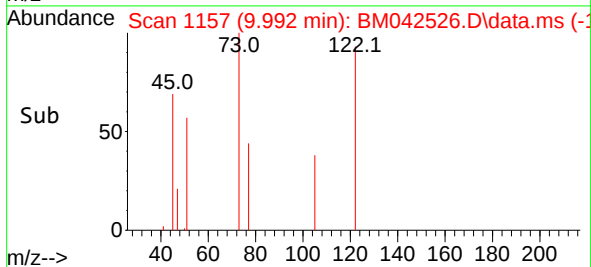
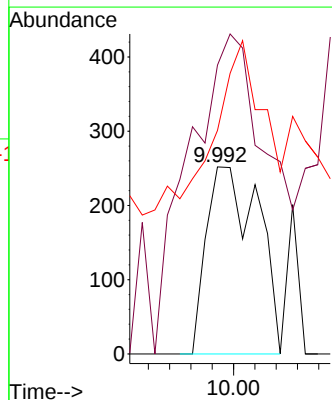
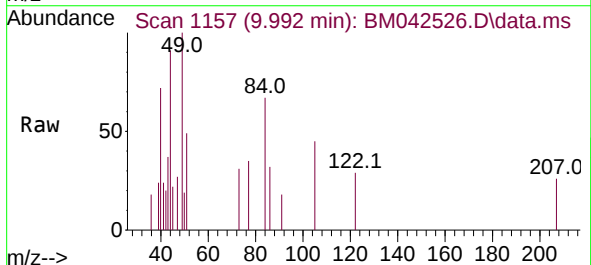
Tgt Ion:122 Resp: 424

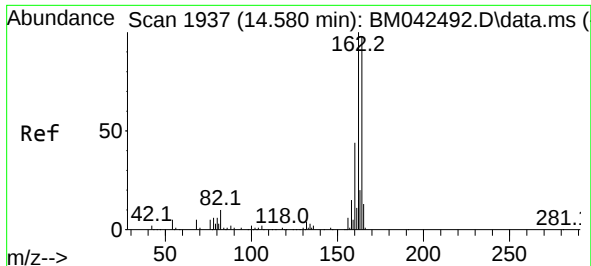
Ion Ratio Lower Upper

122 100

105 154.4 105.2 145.2#

77 119.4 84.8 124.8

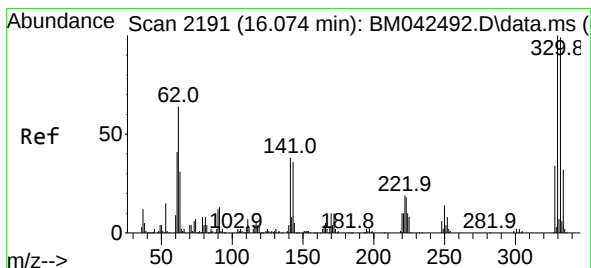
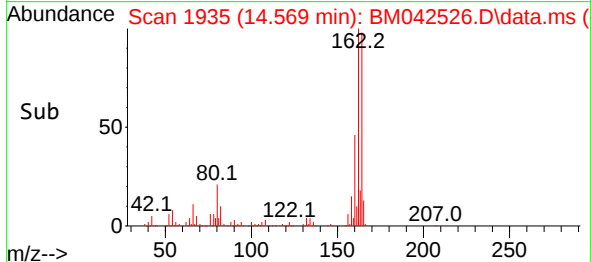
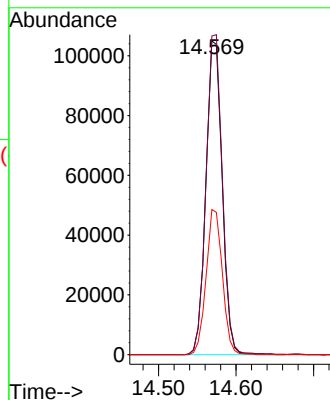
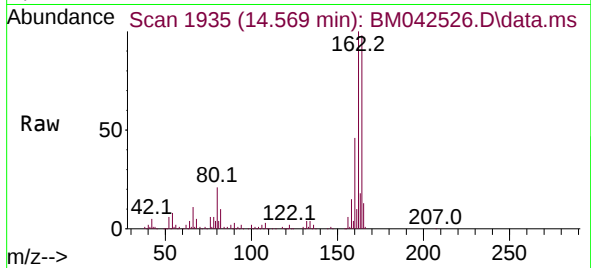




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1935
Delta R.T. -0.011 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

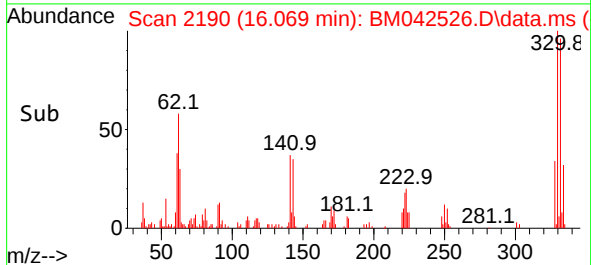
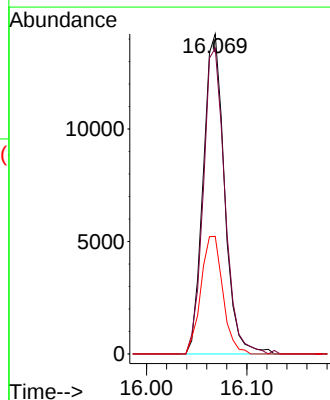
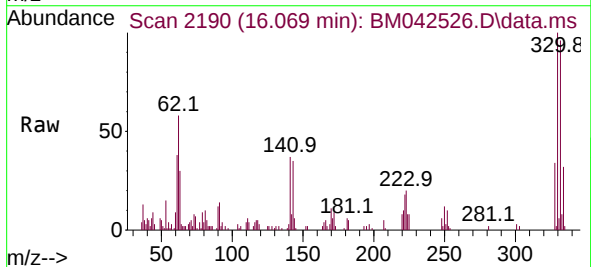
Instrument :
BNA_M
ClientSampleId :
A-4(0-2)

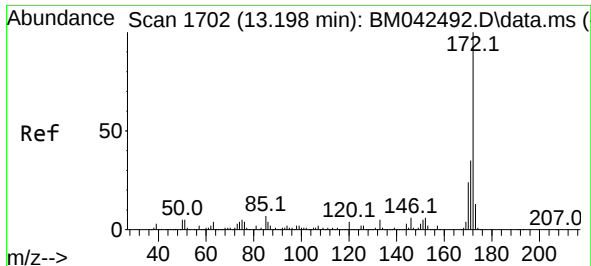
Tgt Ion:164 Resp: 153292
Ion Ratio Lower Upper
164 100
162 101.5 81.6 122.4
160 46.3 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 10.504 ng
RT: 16.069 min Scan# 2190
Delta R.T. -0.005 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

Tgt Ion:330 Resp: 21023
Ion Ratio Lower Upper
330 100
332 97.1 78.8 118.2
141 37.8 31.1 46.7

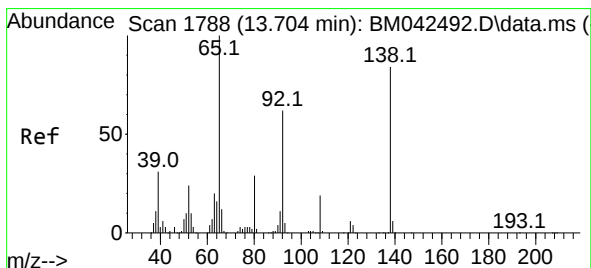
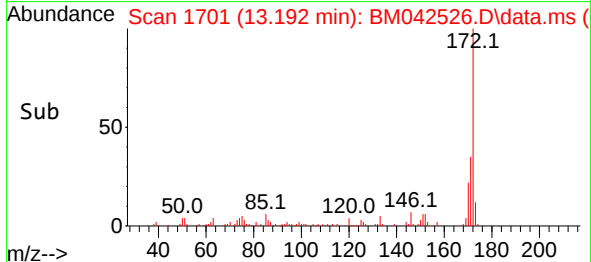
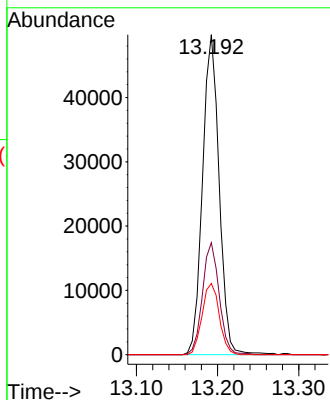
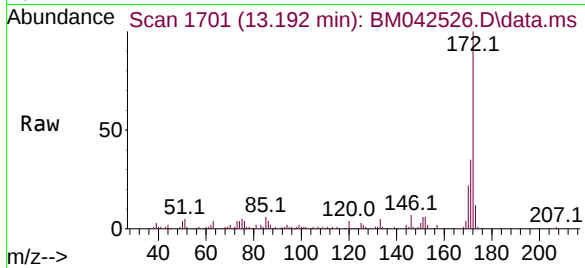




#45
2-Fluorobiphenyl
Concen: 6.205 ng
RT: 13.192 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

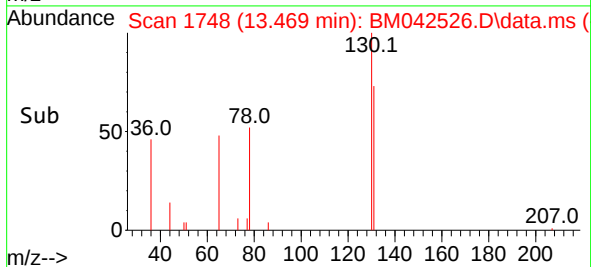
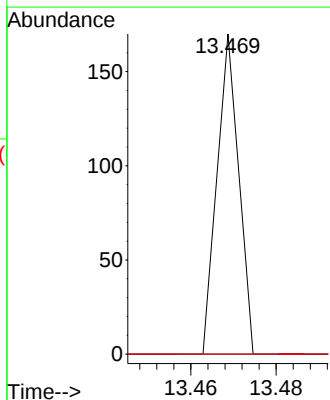
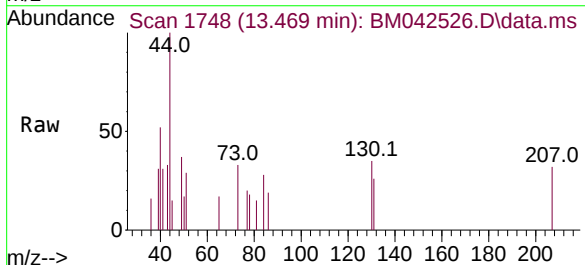
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ClientSampleId :
A-4(0-2)

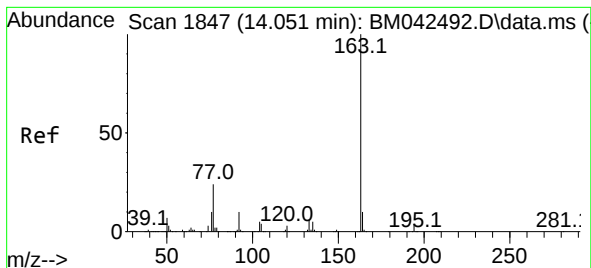
Tgt Ion:172 Resp: 70684
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.2
170 22.2 19.0 28.4



#48
2-Nitroaniline
Concen: 4.366 ng
RT: 13.469 min Scan# 1748
Delta R.T. -0.235 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

Tgt Ion: 65 Resp: 60
Ion Ratio Lower Upper
65 100
92 0.0 49.4 74.2#
138 0.0 66.9 100.3#





#50

Dimethylphthalate

Concen: 6.435 ng

RT: 14.039 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM042526.D

Acq: 01 Nov 2023 00:24

Instrument :

BNA_M

ClientSampleId :

A-4(0-2)

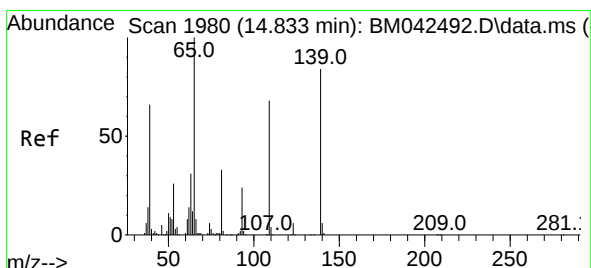
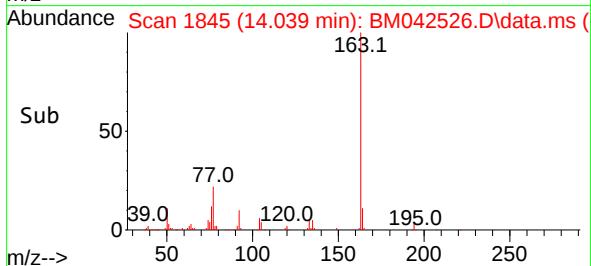
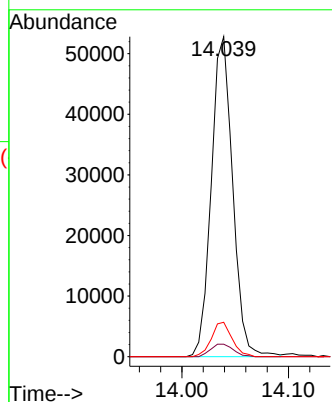
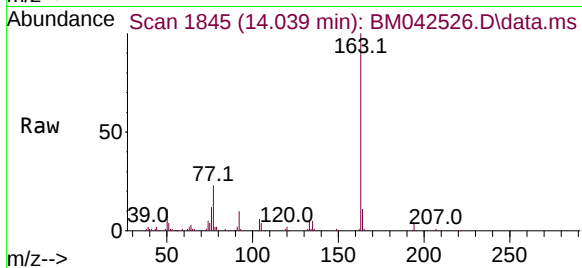
Tgt Ion:163 Resp: 73730

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

164 10.8 7.8 11.8



#56

4-Nitrophenol

Concen: 8.052 ng

RT: 14.969 min Scan# 2003

Delta R.T. 0.136 min

Lab File: BM042526.D

Acq: 01 Nov 2023 00:24

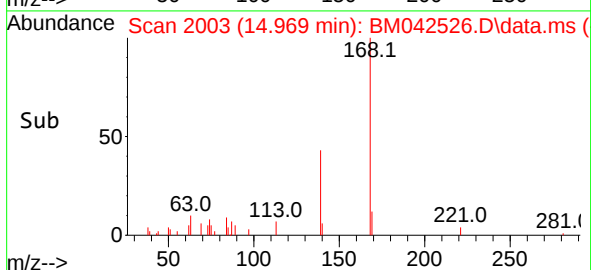
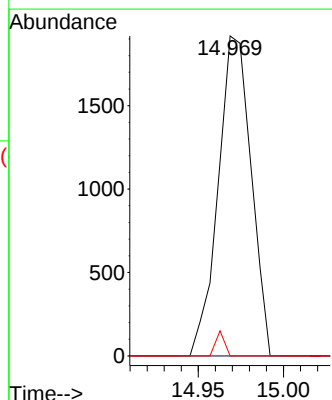
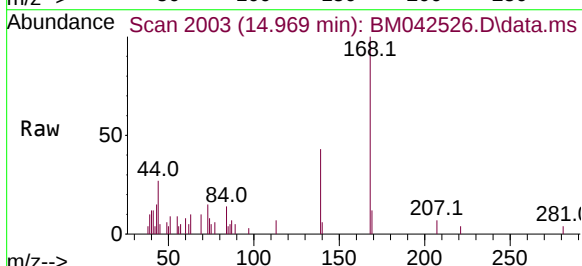
Tgt Ion:139 Resp: 2582

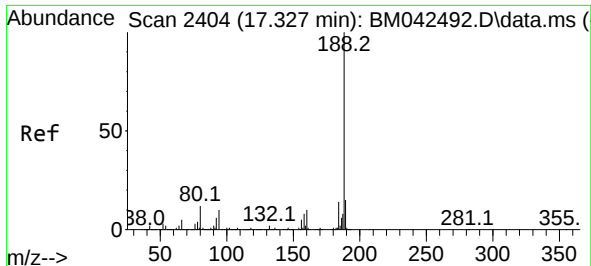
Ion Ratio Lower Upper

139 100

109 0.0 61.3 101.3#

65 0.0 100.2 140.2#

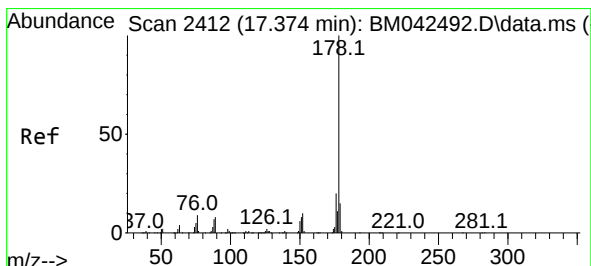
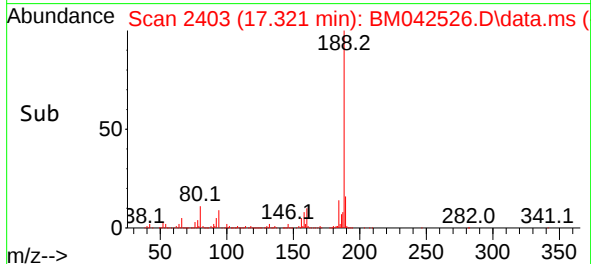
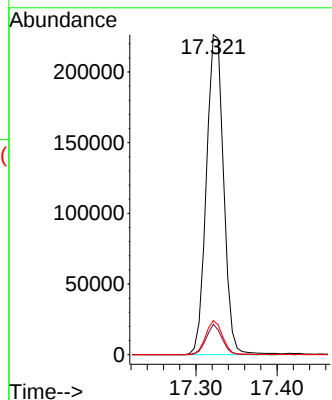
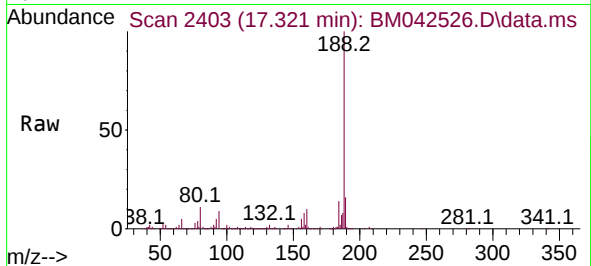




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.321 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

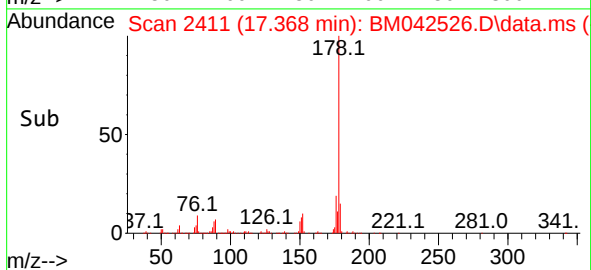
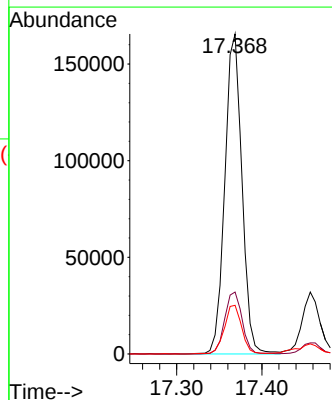
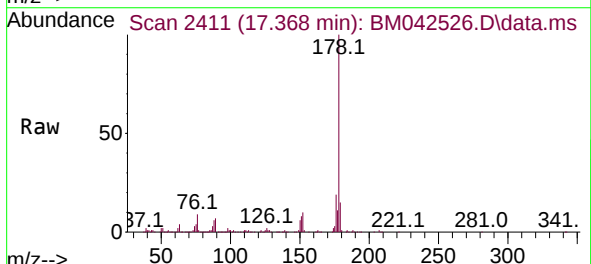
Instrument :
BNA_M
ClientSampleId :
A-4(0-2)

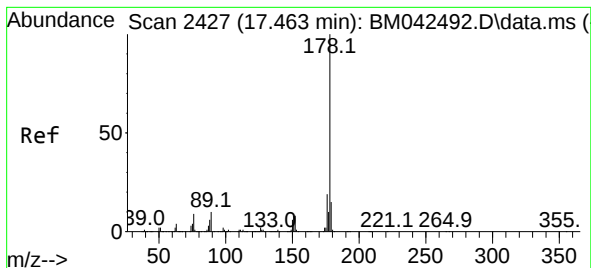
Tgt Ion:188 Resp: 333351
Ion Ratio Lower Upper
188 100
94 9.5 8.2 12.4
80 10.6 9.4 14.2



#71
Phenanthrene
Concen: 13.246 ng
RT: 17.368 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

Tgt Ion:178 Resp: 230749
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.2 12.2 18.4





#72

Anthracene

Concen: 2.579 ng

RT: 17.457 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM042526.D

Acq: 01 Nov 2023 00:24

Instrument :

BNA_M

ClientSampleId :

A-4(0-2)

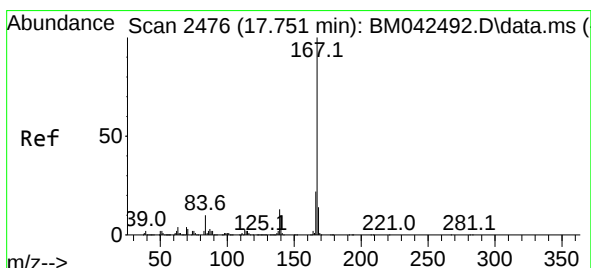
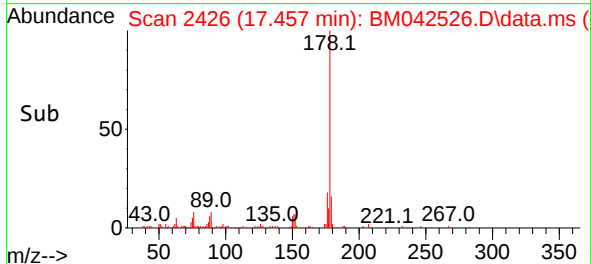
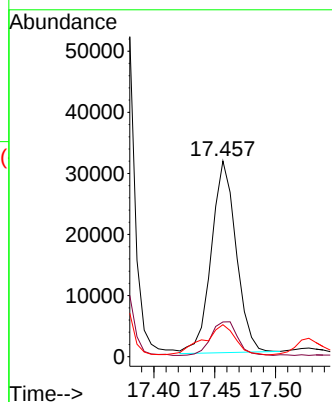
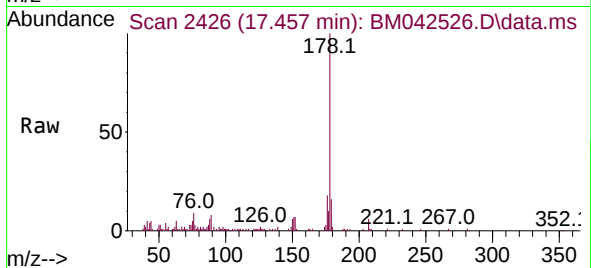
Tgt Ion:178 Resp: 44494

Ion Ratio Lower Upper

178 100

176 17.7 15.2 22.8

179 16.3 12.3 18.5



#73

Carbazole

Concen: 2.145 ng

RT: 17.745 min Scan# 2475

Delta R.T. -0.006 min

Lab File: BM042526.D

Acq: 01 Nov 2023 00:24

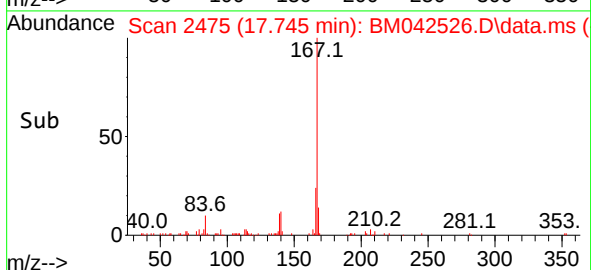
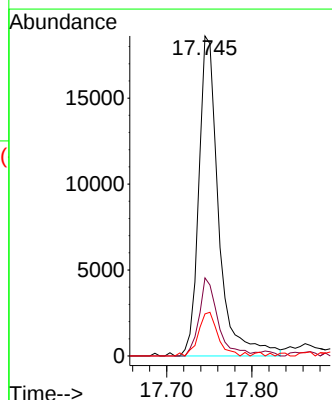
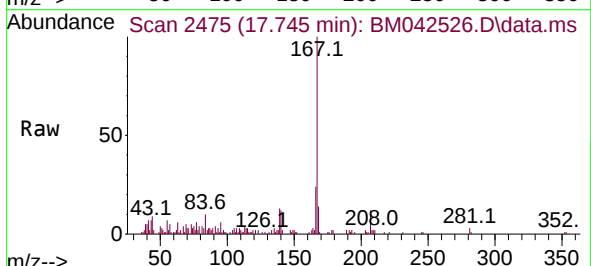
Tgt Ion:167 Resp: 30116

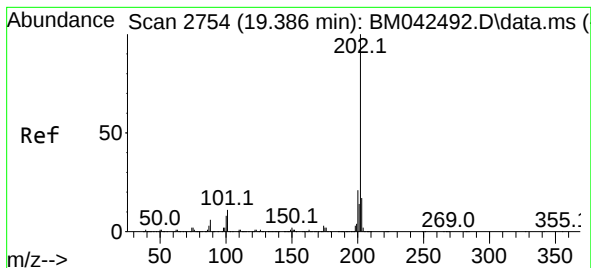
Ion Ratio Lower Upper

167 100

166 24.4 17.4 26.2

139 13.2 10.5 15.7





#75

Fluoranthene

Concen: 25.684 ng

RT: 19.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM042526.D

Acq: 01 Nov 2023 00:24

Instrument :

BNA_M

ClientSampleId :

A-4(0-2)

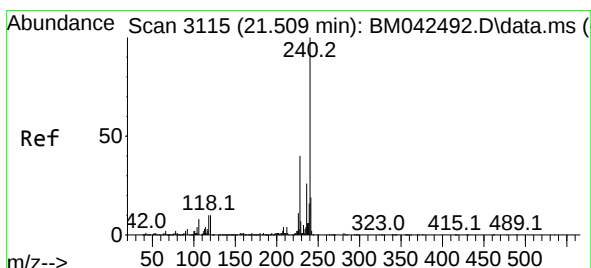
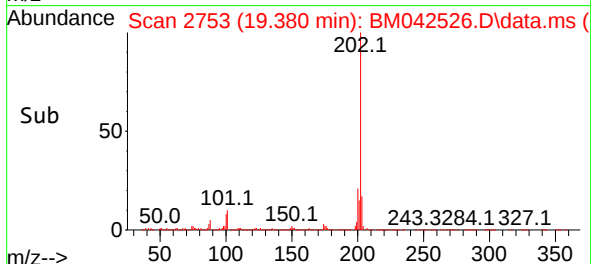
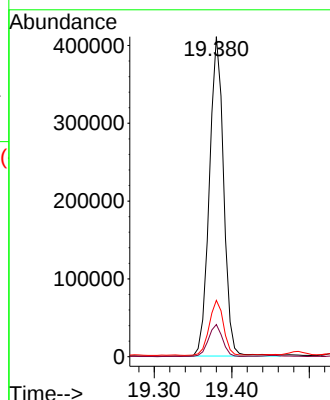
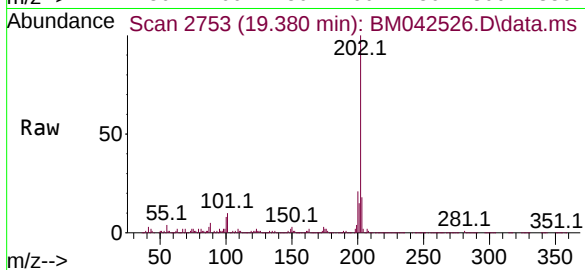
Tgt Ion:202 Resp: 525581

Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.5

203 17.6 0.0 37.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.503 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BM042526.D

Acq: 01 Nov 2023 00:24

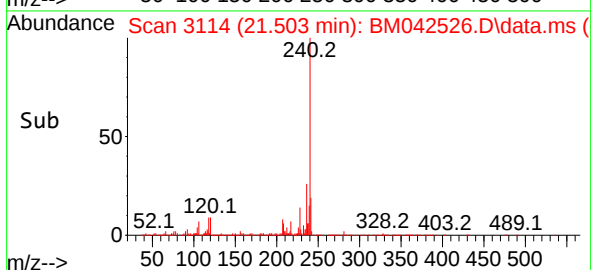
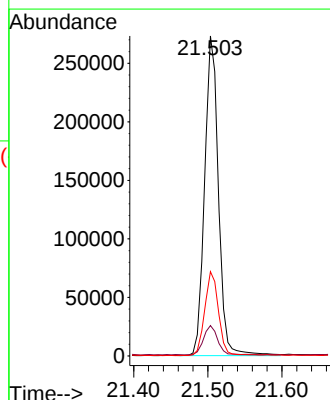
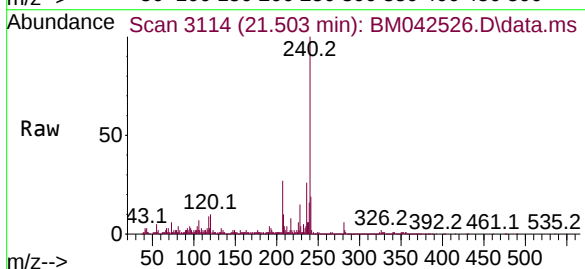
Tgt Ion:240 Resp: 355329

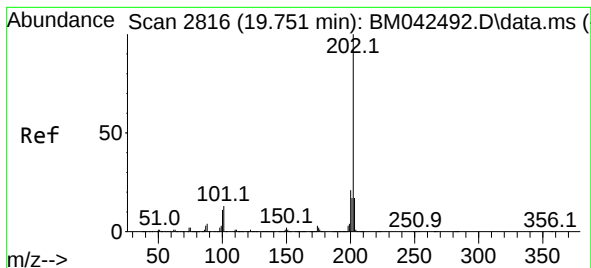
Ion Ratio Lower Upper

240 100

120 9.5 8.3 12.5

236 26.4 20.8 31.2





#78

Pyrene

Concen: 18.931 ng

RT: 19.745 min Scan# 2815

Delta R.T. -0.006 min

Lab File: BM042526.D

Acq: 01 Nov 2023 00:24

Instrument :

BNA_M

ClientSampleId :

A-4(0-2)

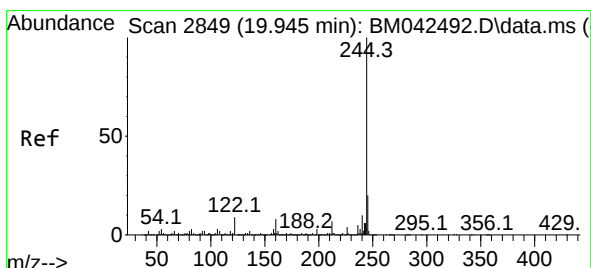
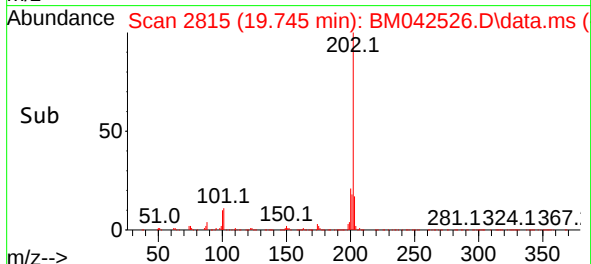
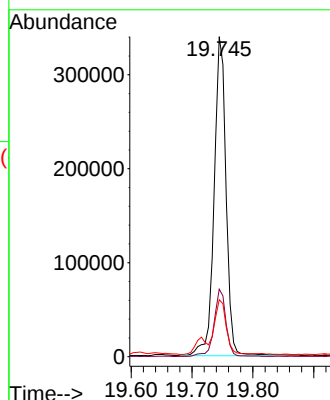
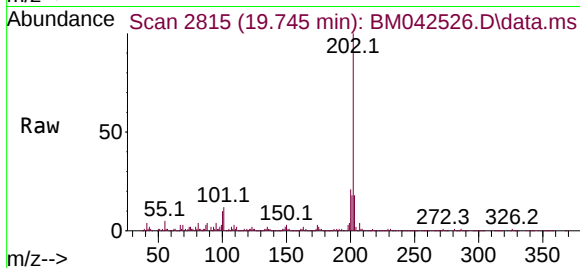
Tgt Ion:202 Resp: 461897

Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 17.8 13.7 20.5



#79

Terphenyl-d14

Concen: 4.732 ng

RT: 19.939 min Scan# 2848

Delta R.T. -0.006 min

Lab File: BM042526.D

Acq: 01 Nov 2023 00:24

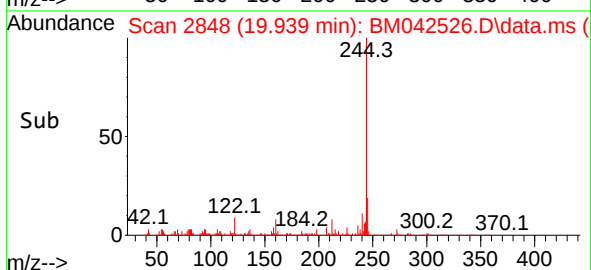
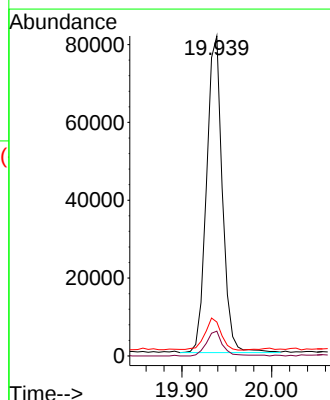
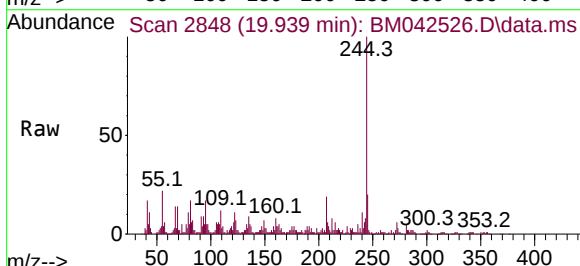
Tgt Ion:244 Resp: 99167

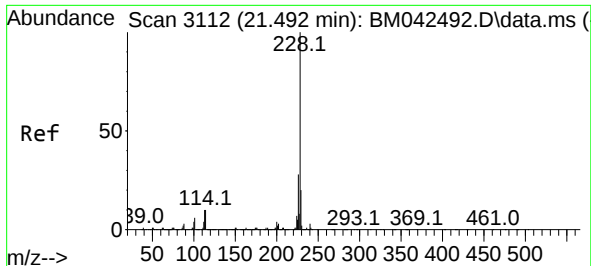
Ion Ratio Lower Upper

244 100

212 7.7 5.4 8.2

122 10.6 7.2 10.8

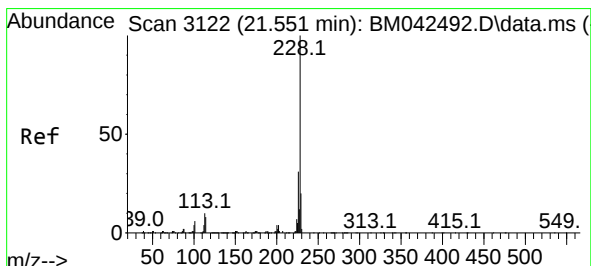
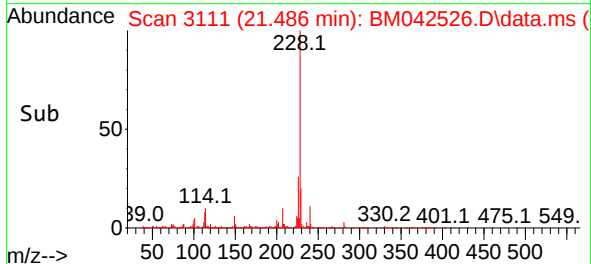
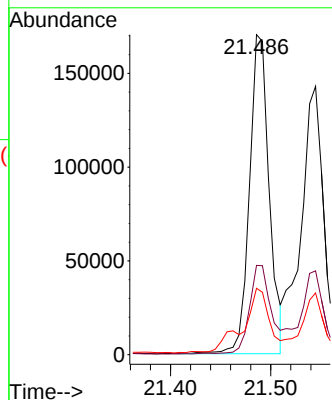
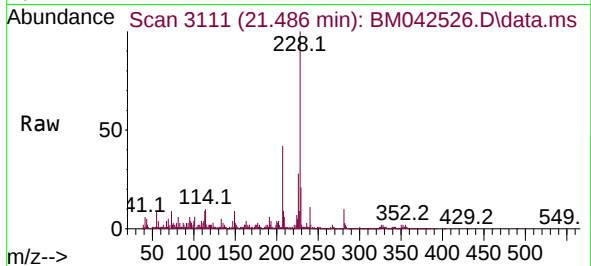




#81
Benzo(a)anthracene
Concen: 10.272 ng
RT: 21.486 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

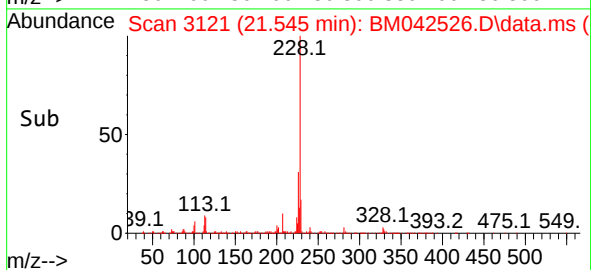
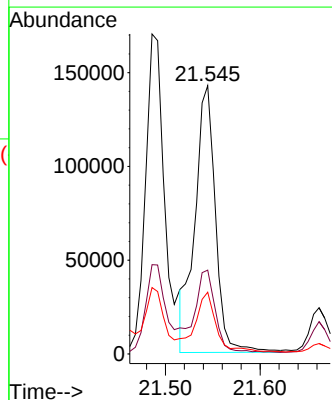
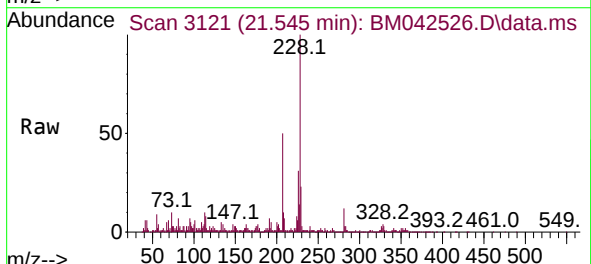
Instrument :
BNA_M
ClientSampleId :
A-4(0-2)

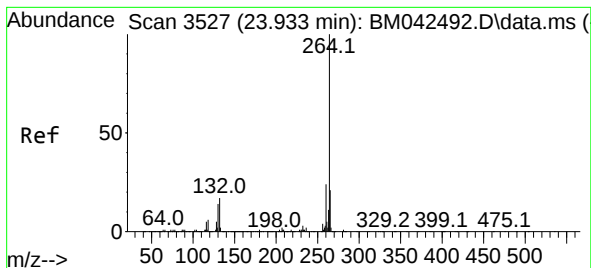
Tgt Ion:228 Resp: 232228
Ion Ratio Lower Upper
228 100
226 27.9 22.3 33.5
229 20.8 15.8 23.8



#83
Chrysene
Concen: 9.361 ng
RT: 21.545 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

Tgt Ion:228 Resp: 214974
Ion Ratio Lower Upper
228 100
226 31.3 24.4 36.6
229 23.0 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM042526.D

Acq: 01 Nov 2023 00:24

Instrument :

BNA_M

ClientSampleId :

A-4(0-2)

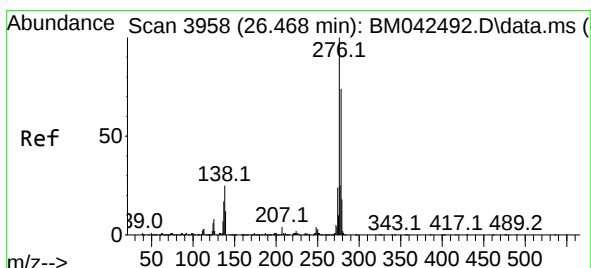
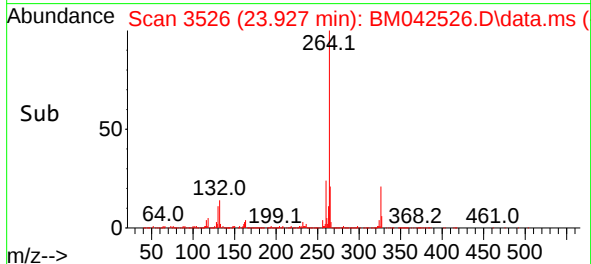
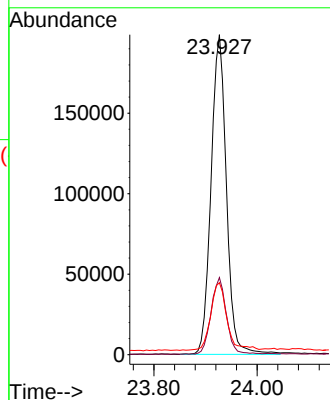
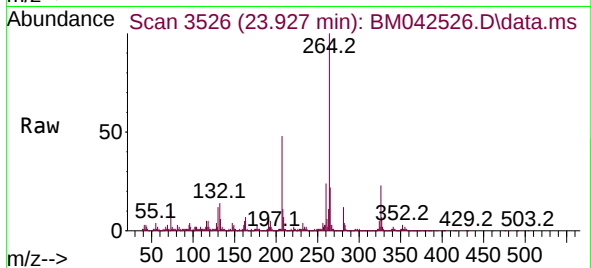
Tgt Ion:264 Resp: 409649

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.4

265 22.5 18.7 28.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.288 ng

RT: 26.450 min Scan# 3955

Delta R.T. -0.018 min

Lab File: BM042526.D

Acq: 01 Nov 2023 00:24

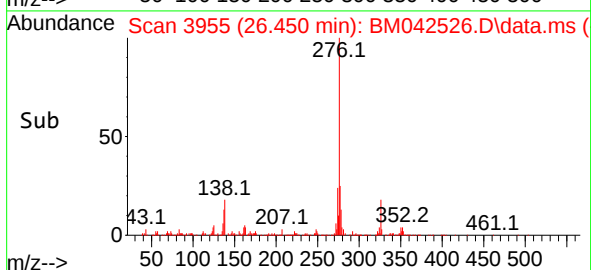
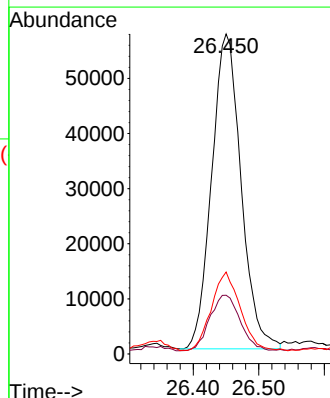
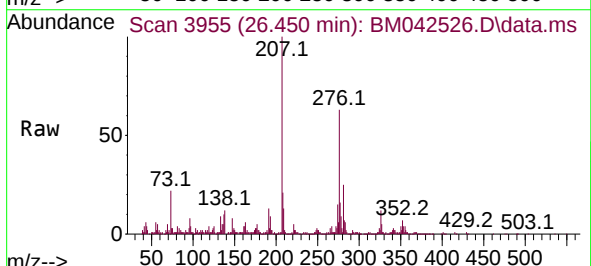
Tgt Ion:276 Resp: 177688

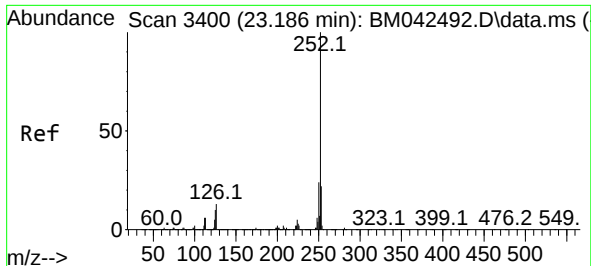
Ion Ratio Lower Upper

276 100

138 18.6 20.6 31.0#

277 24.6 19.5 29.3

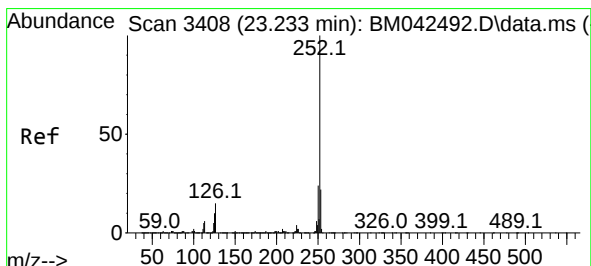
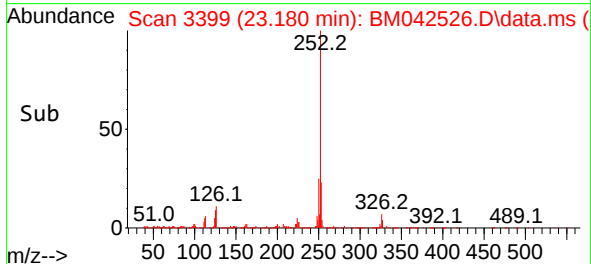
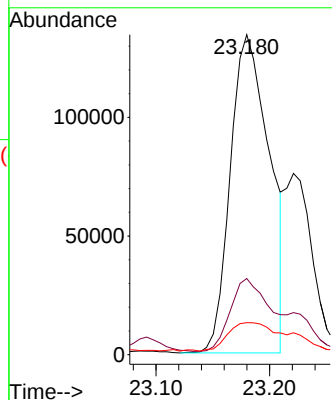
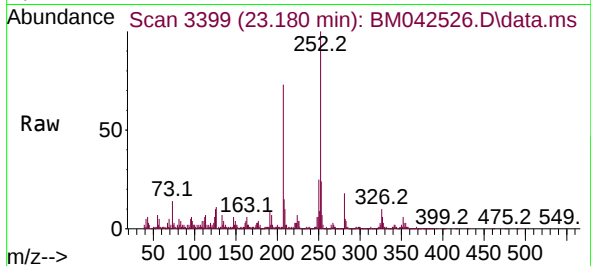




#88
Benzo(b)fluoranthene
Concen: 14.083 ng
RT: 23.180 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

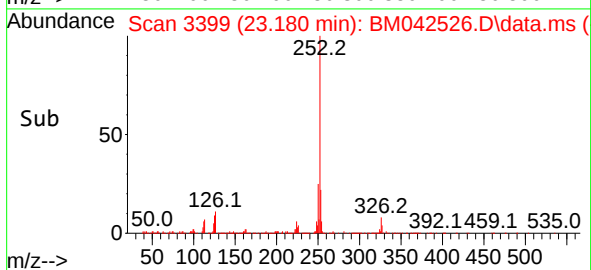
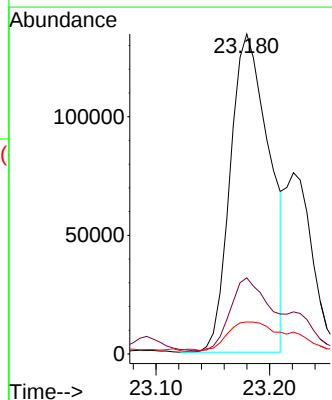
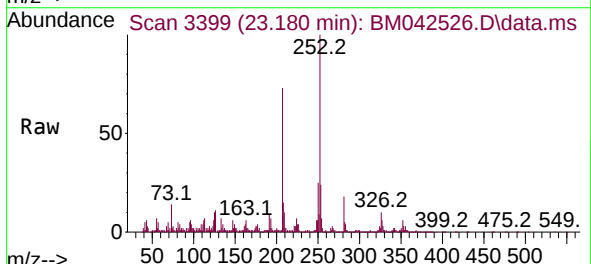
Instrument :
BNA_M
ClientSampleId :
A-4(0-2)

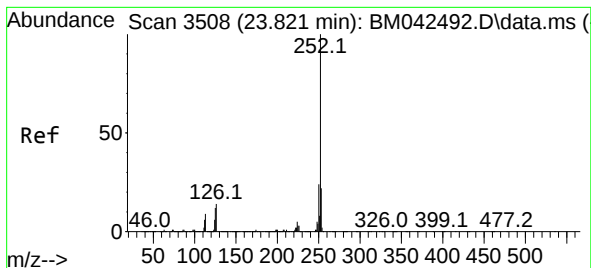
Tgt Ion:252 Resp: 321398
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 10.0 7.8 11.6



#89
Benzo(k)fluoranthene
Concen: 12.638 ng
RT: 23.180 min Scan# 3399
Delta R.T. -0.053 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

Tgt Ion:252 Resp: 321398
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 10.0 8.2 12.4





#90

Benzo(a)pyrene

Concen: 9.809 ng

RT: 23.815 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM042526.D

Acq: 01 Nov 2023 00:24

Instrument :

BNA_M

ClientSampleId :

A-4(0-2)

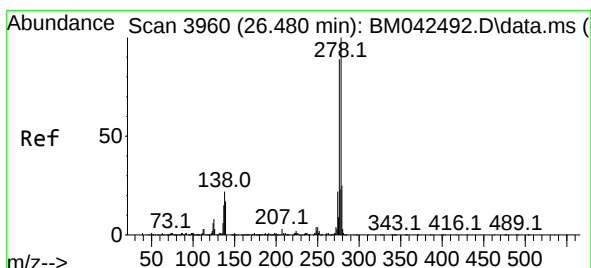
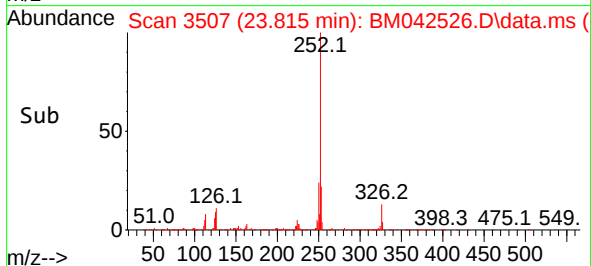
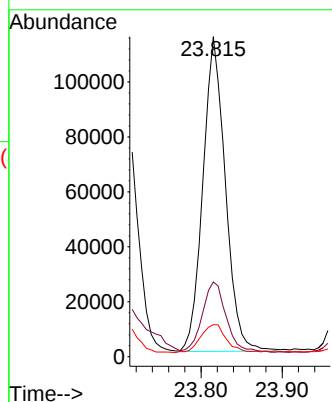
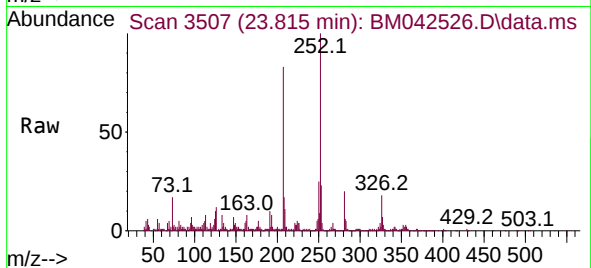
Tgt Ion:252 Resp: 220402

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 10.0 9.4 14.2



#91

Dibenzo(a,h)anthracene

Concen: 5.649 ng

RT: 26.456 min Scan# 3956

Delta R.T. -0.024 min

Lab File: BM042526.D

Acq: 01 Nov 2023 00:24

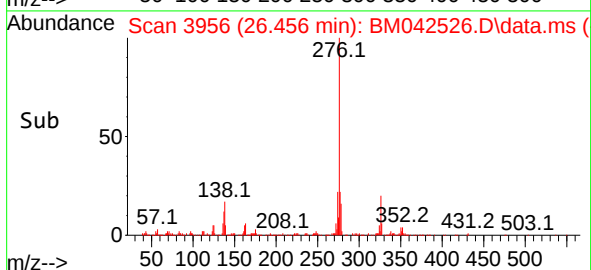
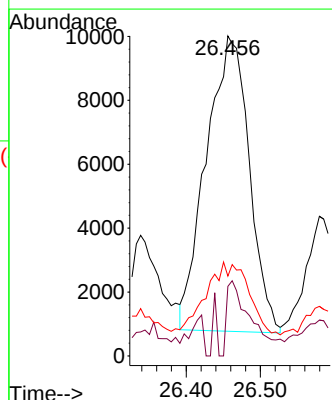
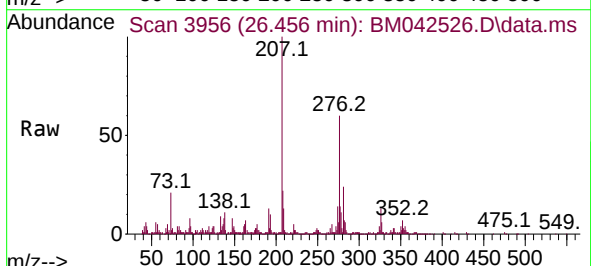
Tgt Ion:278 Resp: 37219

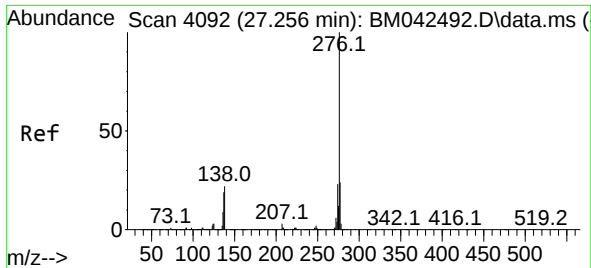
Ion Ratio Lower Upper

278 100

139 21.7 13.4 20.2#

279 25.0 19.7 29.5





#92
Benzo(g,h,i)perylene
Concen: 9.013 ng
RT: 27.244 min Scan# 4092
Delta R.T. -0.012 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

Instrument :
BNA_M
ClientSampleId :
A-4(0-2)

Tgt Ion:276 Resp: 193667
Ion Ratio Lower Upper
276 100
277 24.0 19.2 28.8
138 19.1 17.3 25.9

