

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020824\
 Data File : BP019609.D
 Acq On : 08 Feb 2024 14:39
 Operator : MA/JU
 Sample : P1141-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EB-2-0-2D

Quant Time: Feb 08 15:03:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

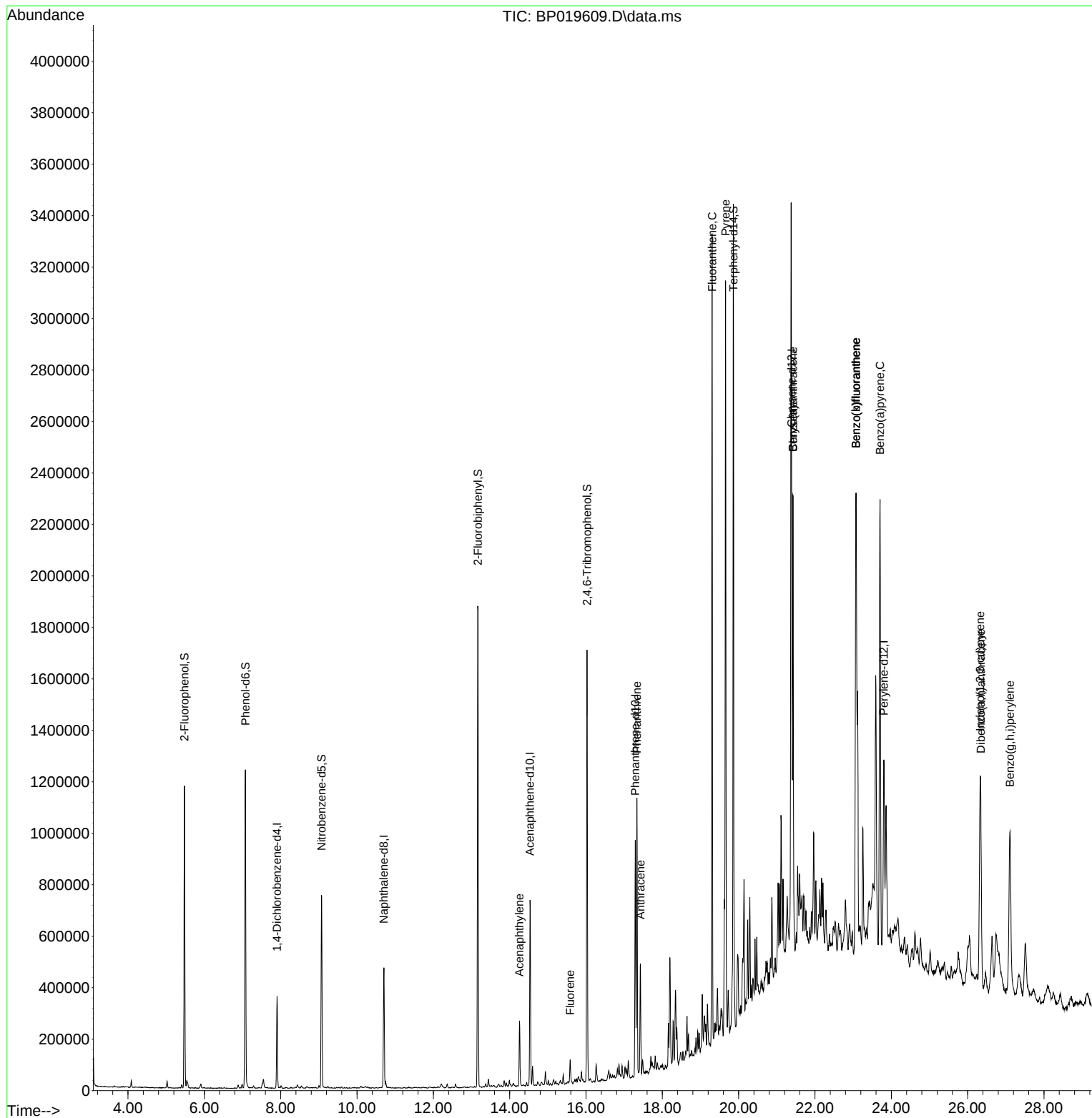
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	95107	20.000	ng	-0.01
21) Naphthalene-d8	10.704	136	374871	20.000	ng	-0.01
39) Acenaphthene-d10	14.534	164	249146	20.000	ng	-0.02
64) Phenanthrene-d10	17.292	188	551891	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	520970	20.000	ng	0.00
86) Perylene-d12	23.804	264	598423	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	482450	81.768	ng	0.00
7) Phenol-d6	7.075	99	692936	87.100	ng	-0.01
23) Nitrobenzene-d5	9.069	82	459516	53.116	ng	-0.02
42) 2,4,6-Tribromophenol	16.028	330	326282	89.694	ng	-0.01
45) 2-Fluorobiphenyl	13.169	172	1005043	49.869	ng	-0.01
79) Terphenyl-d14	19.863	244	1595746	50.373	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.257	152	193969	8.470	ng	99
58) Fluorene	15.586	166	44532	2.415	ng	97
71) Phenanthrene	17.333	178	653542	22.502	ng	99
72) Anthracene	17.428	178	276046	9.528	ng	100
75) Fluoranthene	19.304	202	1829252	51.557	ng	99
78) Pyrene	19.657	202	1789170	48.661	ng	99
81) Benzo(a)anthracene	21.427	228	1110944	30.294	ng	95
83) Chrysene	21.427	228	1110944	31.908	ng	97
87) Indeno(1,2,3-cd)pyrene	26.327	276	1007786	22.001	ng	97
88) Benzo(b)fluoranthene	23.074	252	1873207	49.666	ng	97
89) Benzo(k)fluoranthene	23.074	252	1873207	51.994	ng	97
90) Benzo(a)pyrene	23.704	252	1422977	42.403	ng	97
91) Dibenzo(a,h)anthracene	26.345	278	262849	6.977	ng	# 89
92) Benzo(g,h,i)perylene	27.109	276	961882	25.166	ng	98

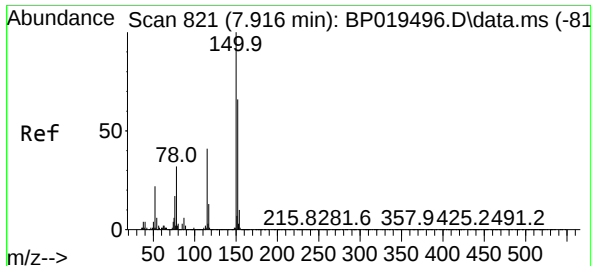
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020824\
Data File : BP019609.D
Acq On : 08 Feb 2024 14:39
Operator : MA/JU
Sample : P1141-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EB-2-0-2D

Quant Time: Feb 08 15:03:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 01 00:51:48 2024
Response via : Initial Calibration

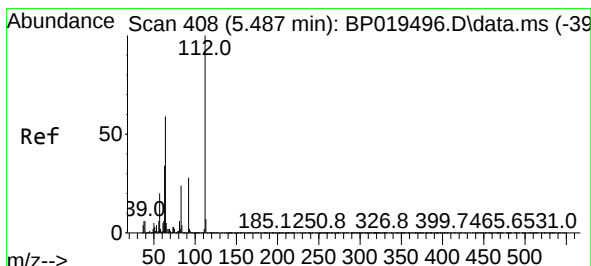
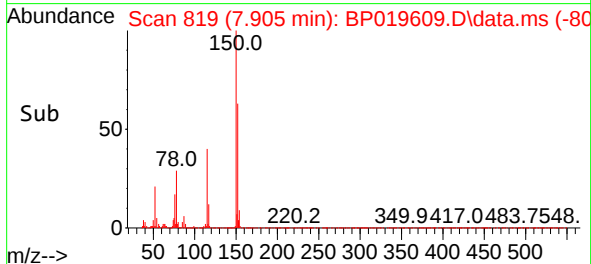
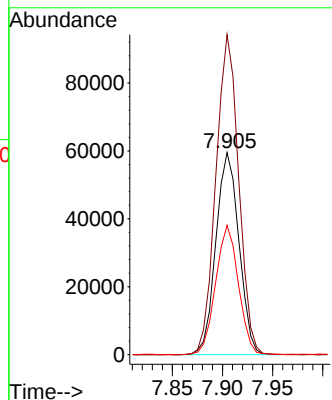
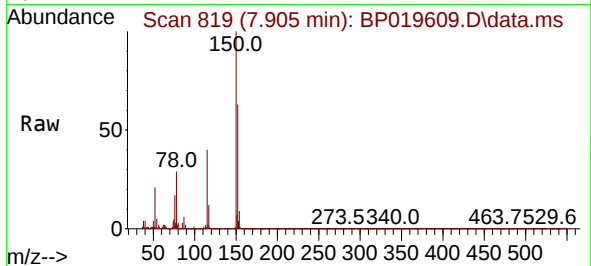




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

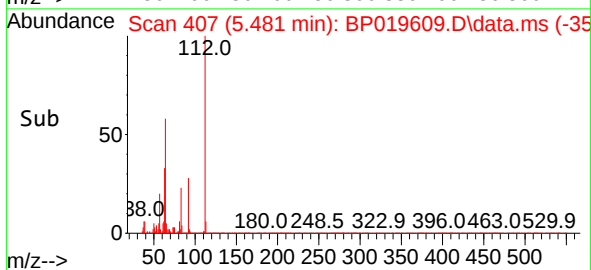
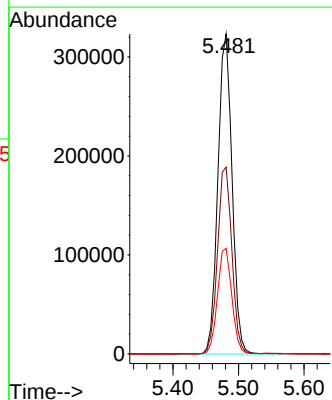
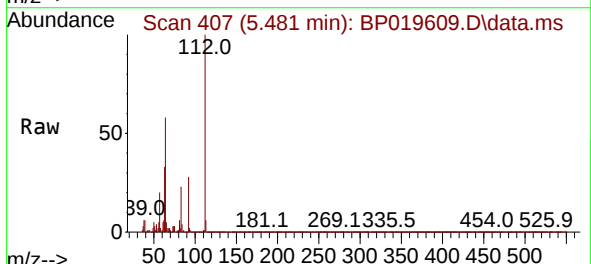
Instrument :
BNA_P
ClientSampleId :
EB-2-0-2D

Tgt Ion:152 Resp: 95107
Ion Ratio Lower Upper
152 100
150 158.3 121.8 182.8
115 64.0 49.9 74.9



#5
2-Fluorophenol
Concen: 81.768 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.006 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

Tgt Ion:112 Resp: 482450
Ion Ratio Lower Upper
112 100
64 58.3 47.4 71.0
63 33.0 27.0 40.6





#7

Phenol-d6

Concen: 87.100 ng

RT: 7.075 min Scan# 61

Delta R.T. -0.011 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

Instrument :

BNA_P

ClientSampleId :

EB-2-0-2D

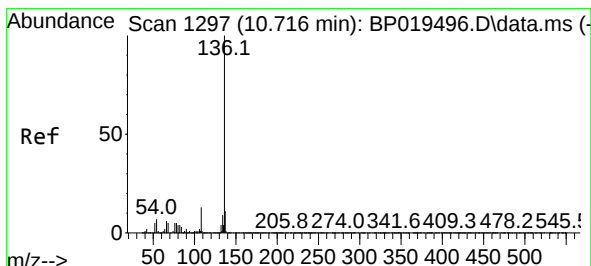
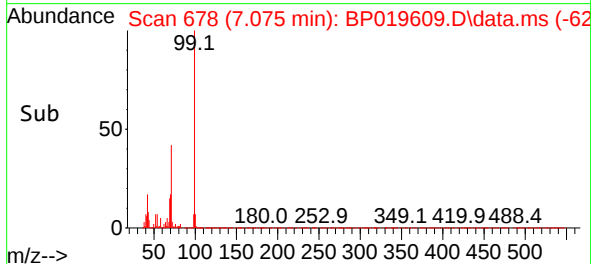
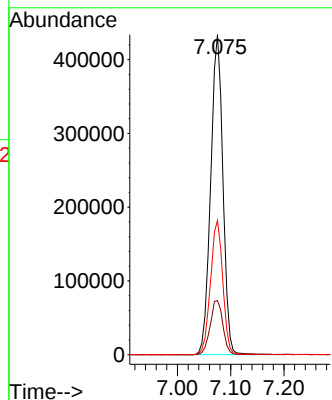
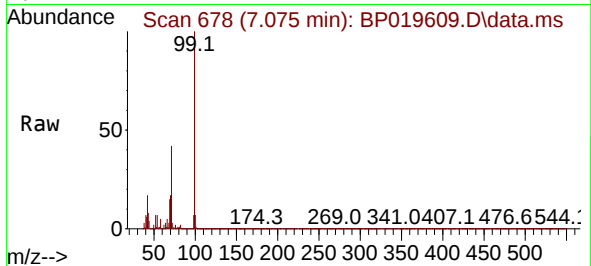
Tgt Ion: 99 Resp: 692936

Ion Ratio Lower Upper

99 100

42 16.9 14.7 22.1

71 42.0 34.8 52.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.704 min Scan# 1295

Delta R.T. -0.012 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

Tgt Ion:136 Resp: 374871

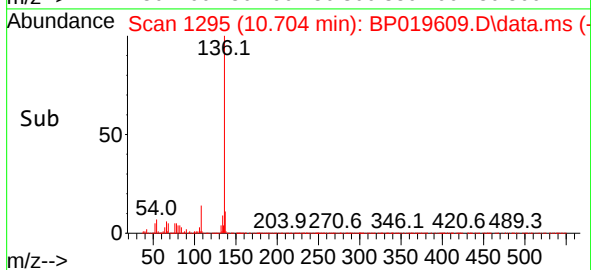
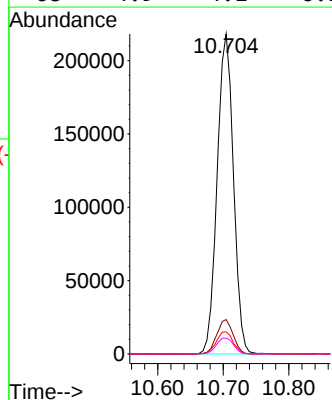
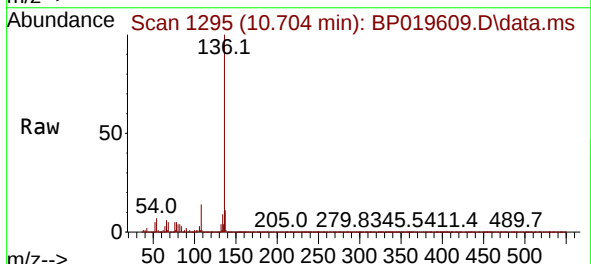
Ion Ratio Lower Upper

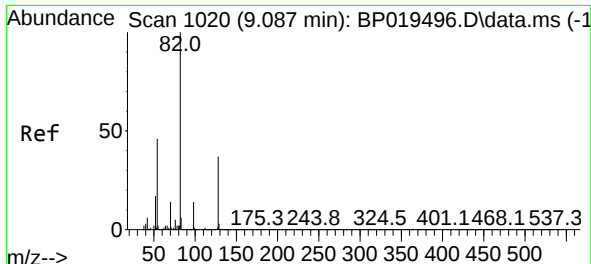
136 100

137 10.7 8.8 13.2

54 6.9 5.3 7.9

68 4.9 4.1 6.1

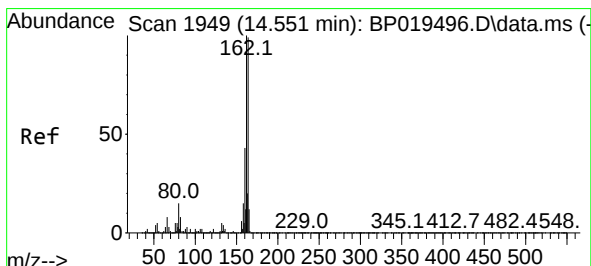
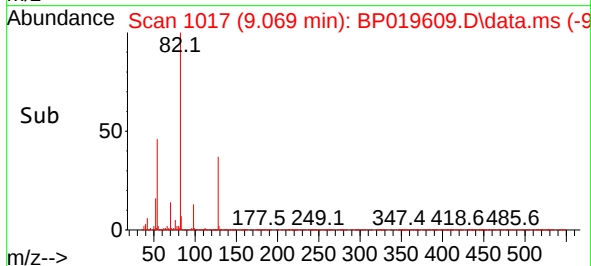
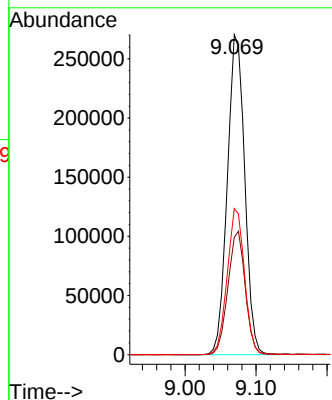
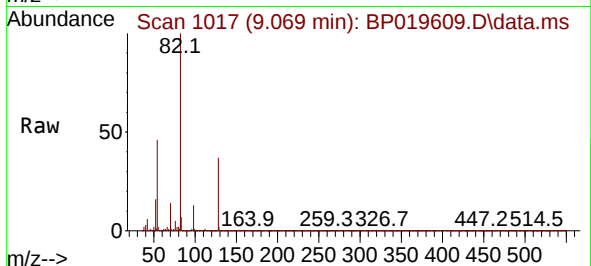




#23
Nitrobenzene-d5
Concen: 53.116 ng
RT: 9.069 min Scan# 1020
Delta R.T. -0.017 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

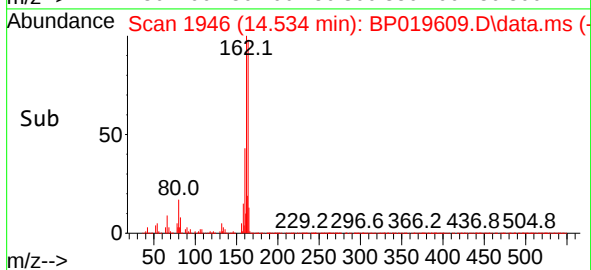
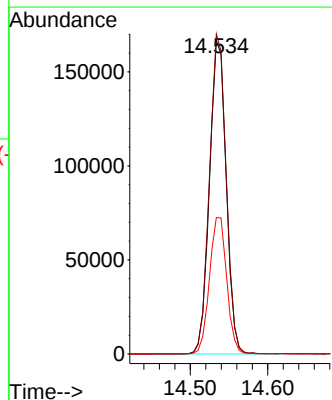
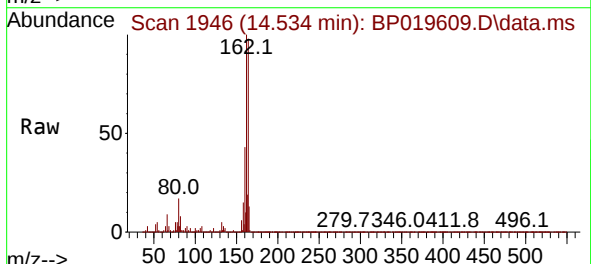
Instrument :
BNA_P
ClientSampleId :
EB-2-0-2D

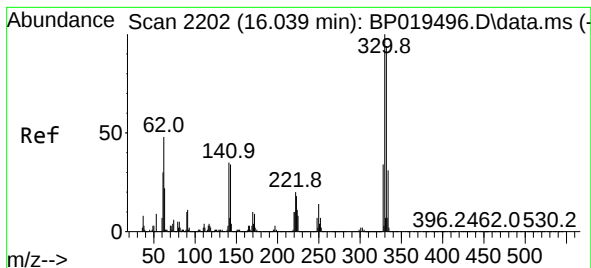
Tgt Ion: 82 Resp: 459516
Ion Ratio Lower Upper
82 100
128 36.7 29.7 44.5
54 45.7 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.534 min Scan# 1946
Delta R.T. -0.017 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

Tgt Ion:164 Resp: 249146
Ion Ratio Lower Upper
164 100
162 102.1 81.2 121.8
160 43.6 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 89.694 ng

RT: 16.028 min Scan# 21

Delta R.T. -0.011 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

Instrument :

BNA_P

ClientSampleId :

EB-2-0-2D

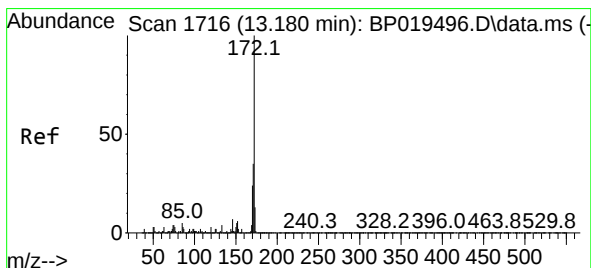
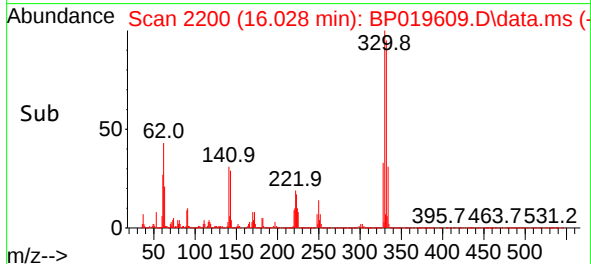
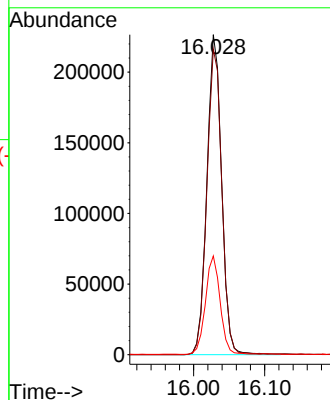
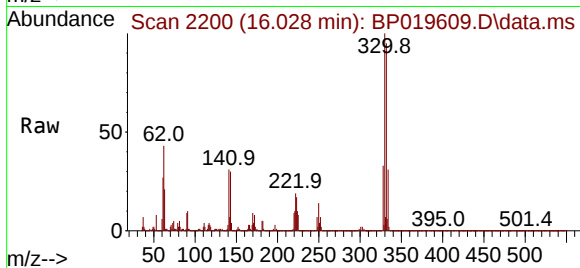
Tgt Ion:330 Resp: 326282

Ion Ratio Lower Upper

330 100

332 97.1 77.2 115.8

141 30.7 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 49.869 ng

RT: 13.169 min Scan# 1714

Delta R.T. -0.011 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

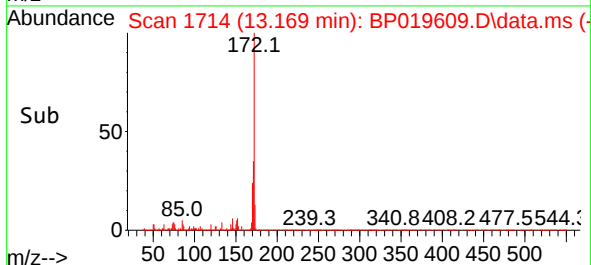
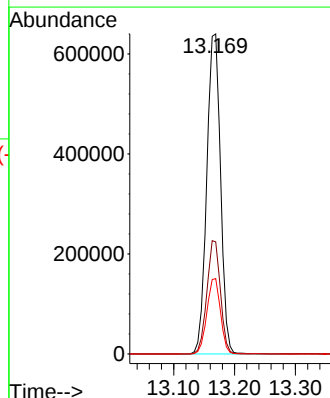
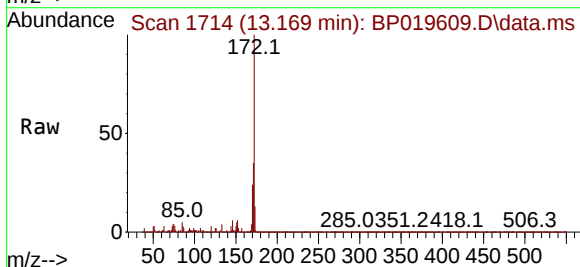
Tgt Ion:172 Resp: 1005043

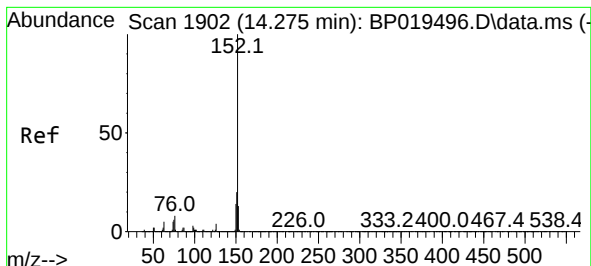
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.5 18.9 28.3





#49

Acenaphthylene

Concen: 8.470 ng

RT: 14.257 min Scan# 1899

Delta R.T. -0.017 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

Instrument :

BNA_P

ClientSampleId :

EB-2-0-2D

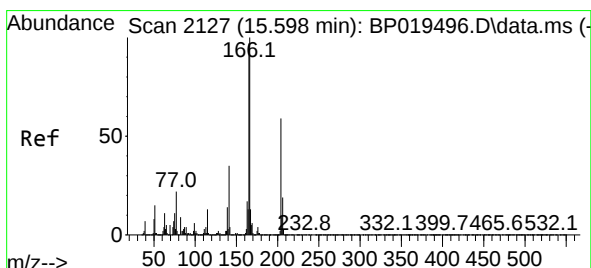
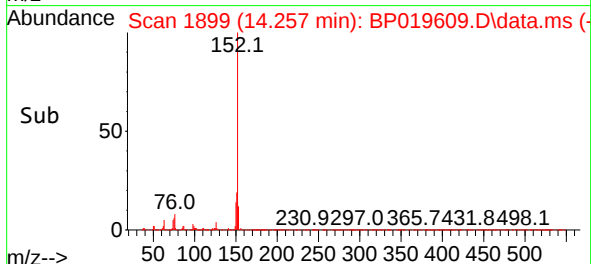
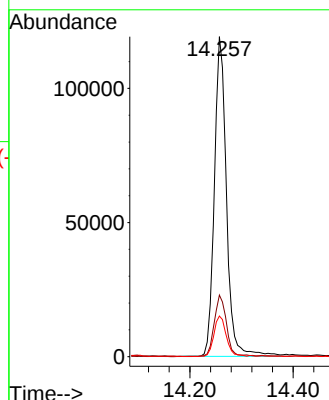
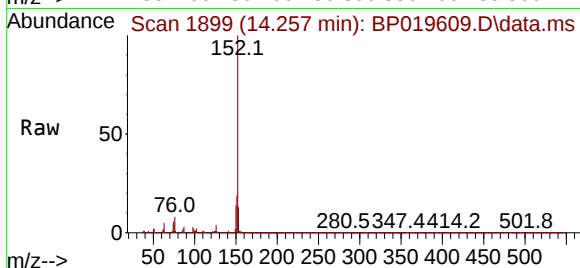
Tgt Ion:152 Resp: 193969

Ion Ratio Lower Upper

152 100

151 19.2 15.8 23.6

153 12.7 10.6 15.8



#58

Fluorene

Concen: 2.415 ng

RT: 15.586 min Scan# 2125

Delta R.T. -0.012 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

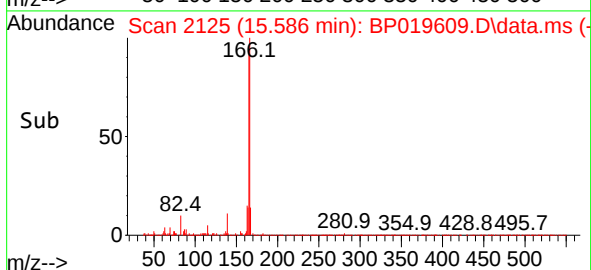
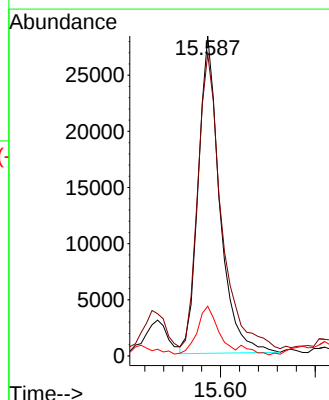
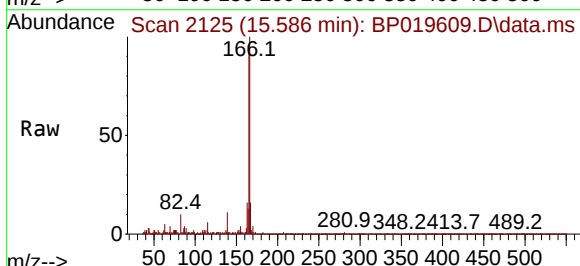
Tgt Ion:166 Resp: 44532

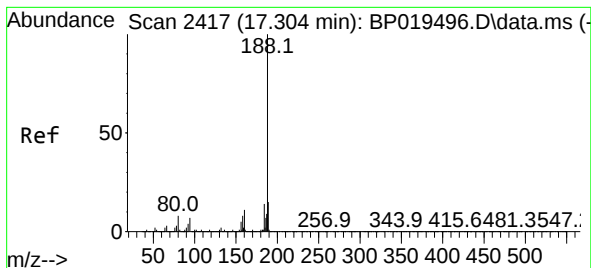
Ion Ratio Lower Upper

166 100

165 94.4 77.8 116.8

167 15.5 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.292 min Scan# 2415

Delta R.T. -0.012 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

Instrument :

BNA_P

ClientSampleId :

EB-2-0-2D

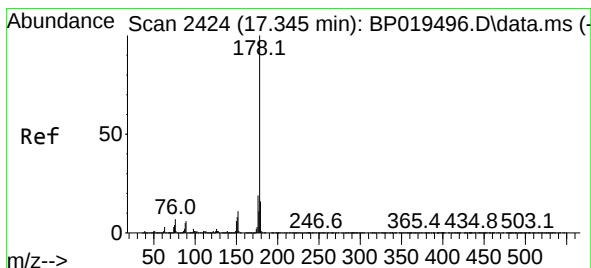
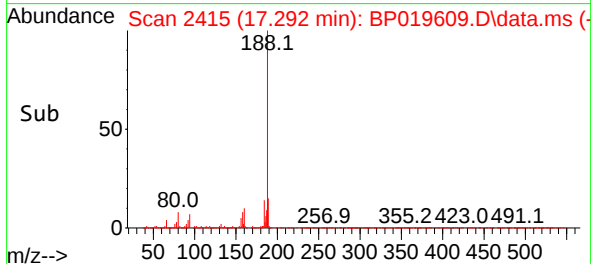
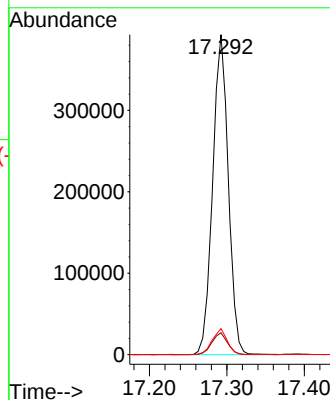
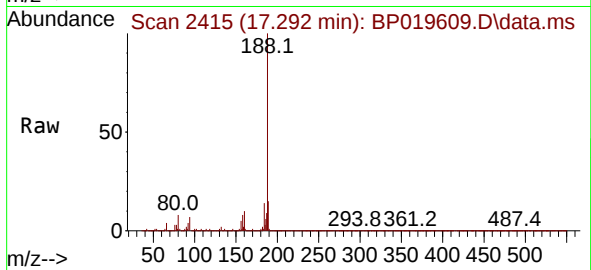
Tgt Ion:188 Resp: 551891

Ion Ratio Lower Upper

188 100

94 6.9 5.4 8.2

80 8.2 6.3 9.5



#71

Phenanthrene

Concen: 22.502 ng

RT: 17.333 min Scan# 2422

Delta R.T. -0.012 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

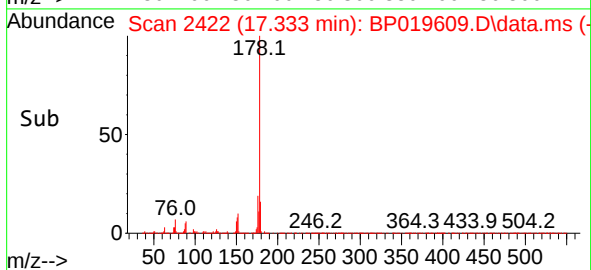
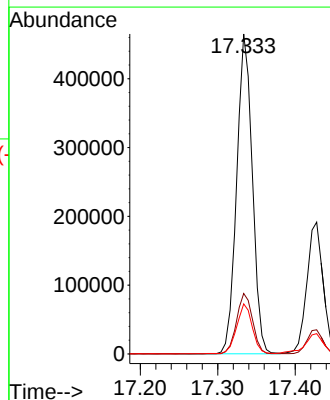
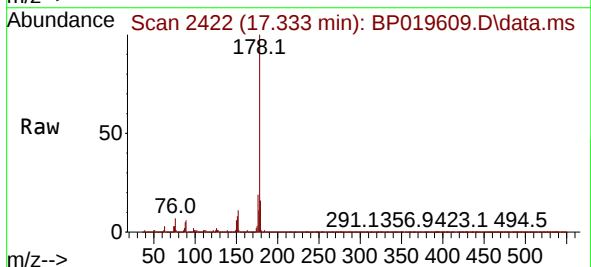
Tgt Ion:178 Resp: 653542

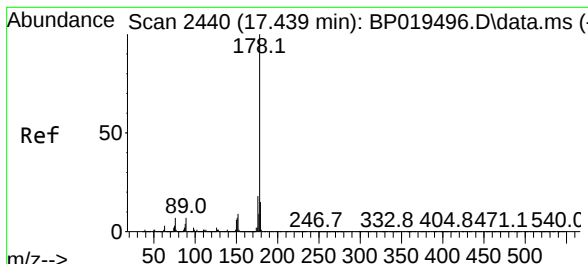
Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

179 15.7 12.6 19.0



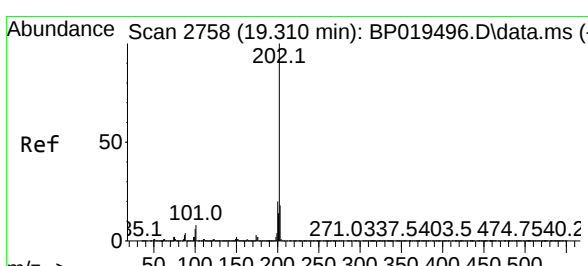
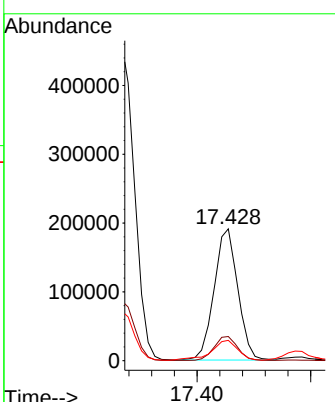
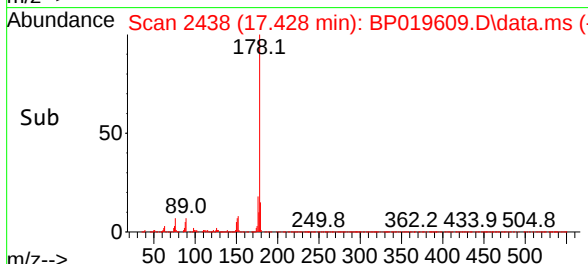
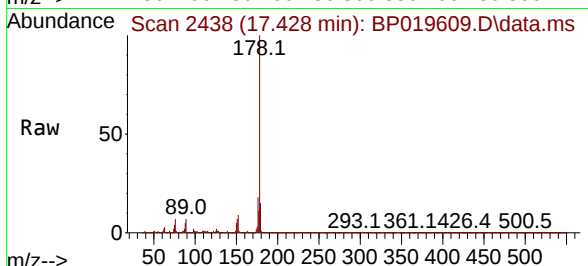


#72
 Anthracene
 Concen: 9.528 ng
 RT: 17.428 min Scan# 2440
 Delta R.T. -0.011 min
 Lab File: BP019609.D
 Acq: 08 Feb 2024 14:39

Instrument :
 BNA_P
 ClientSampleId :
 EB-2-0-2D

Tgt Ion:178 Resp: 276046

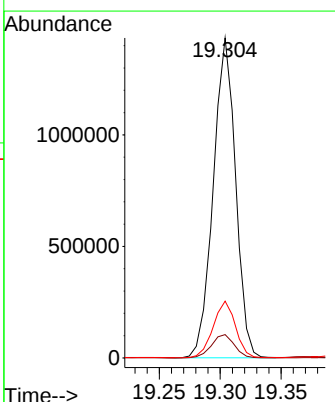
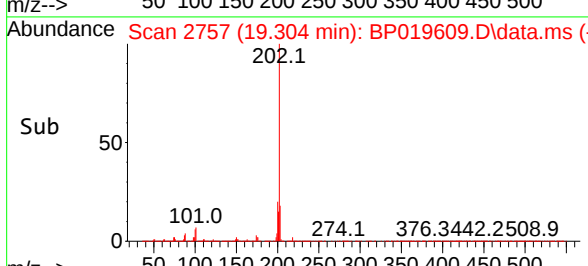
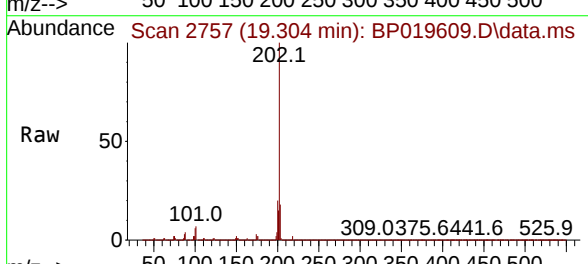
Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.4	12.2	18.2

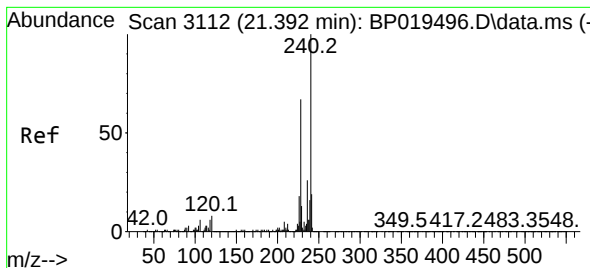


#75
 Fluoranthene
 Concen: 51.557 ng
 RT: 19.304 min Scan# 2757
 Delta R.T. -0.006 min
 Lab File: BP019609.D
 Acq: 08 Feb 2024 14:39

Tgt Ion:202 Resp: 1829252

Ion	Ratio	Lower	Upper
202	100		
101	7.3	0.0	27.7
203	17.7	0.0	37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

Instrument :

BNA_P

ClientSampleId :

EB-2-0-2D

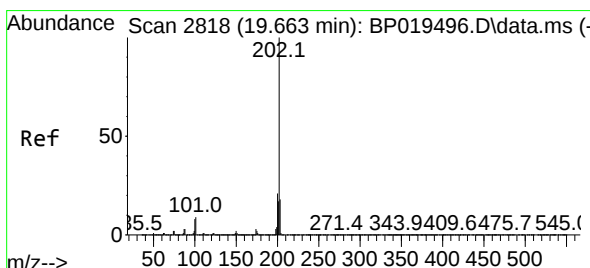
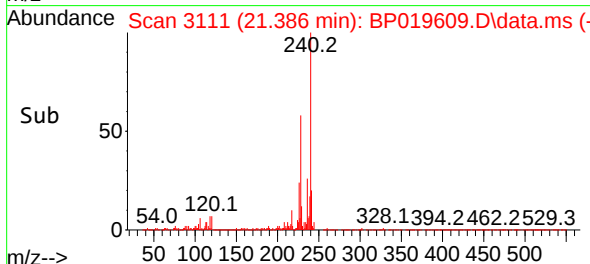
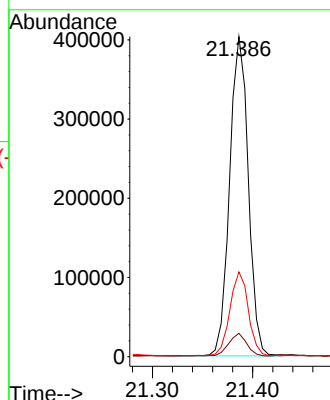
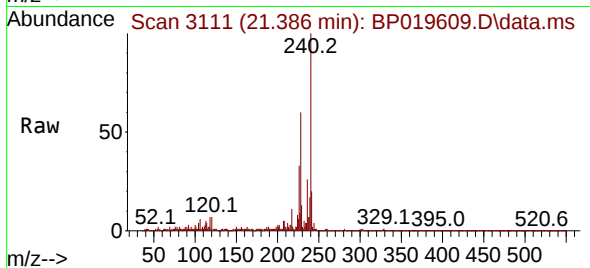
Tgt Ion:240 Resp: 520970

Ion Ratio Lower Upper

240 100

120 7.3 6.1 9.1

236 26.5 20.7 31.1



#78

Pyrene

Concen: 48.661 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

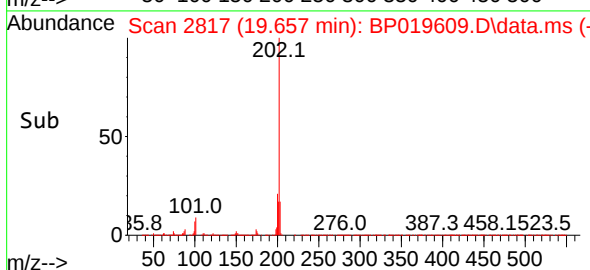
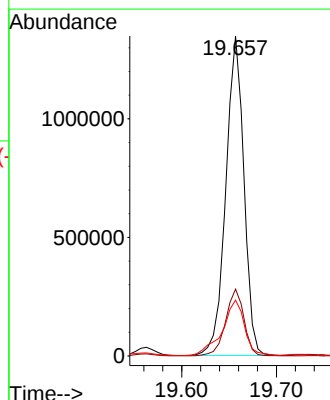
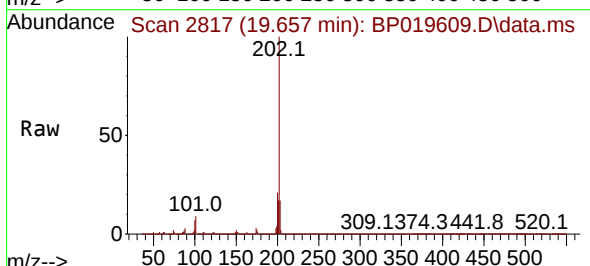
Tgt Ion:202 Resp: 1789170

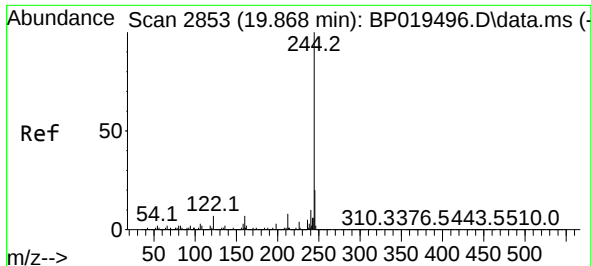
Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

203 17.4 14.2 21.2

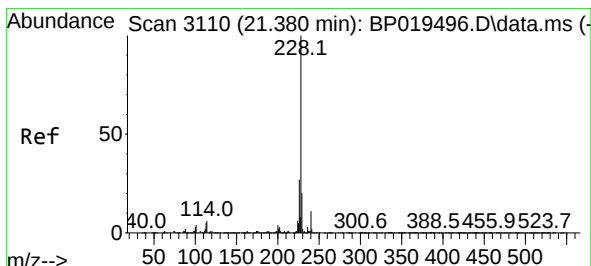
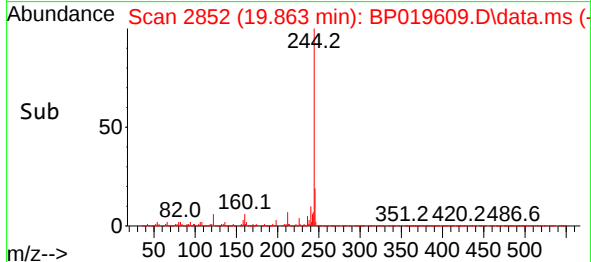
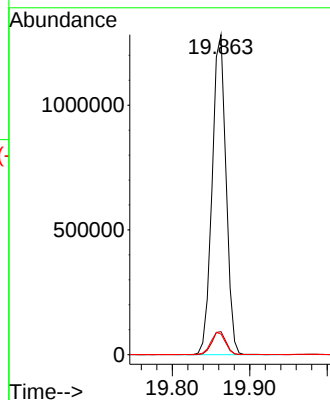
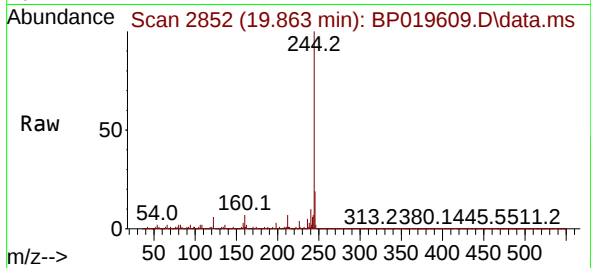




#79
 Terphenyl-d14
 Concen: 50.373 ng
 RT: 19.863 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP019609.D
 Acq: 08 Feb 2024 14:39

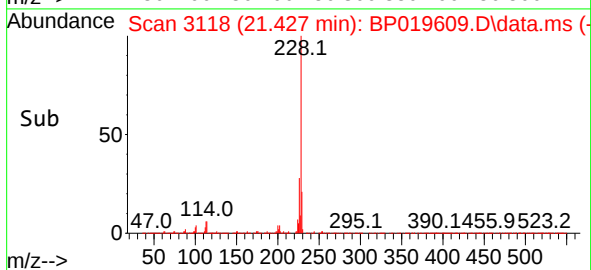
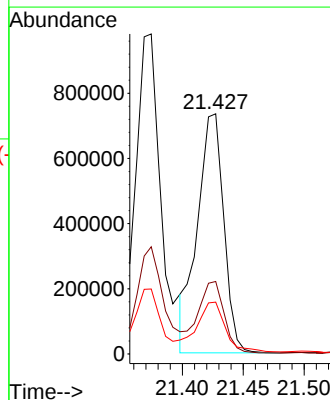
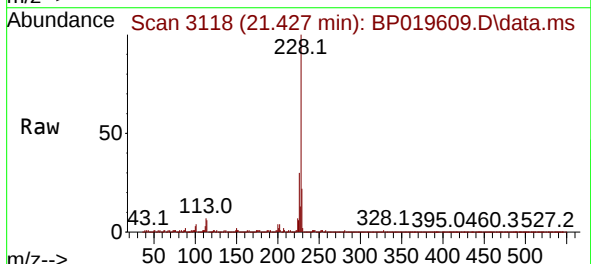
Instrument :
 BNA_P
 ClientSampleId :
 EB-2-0-2D

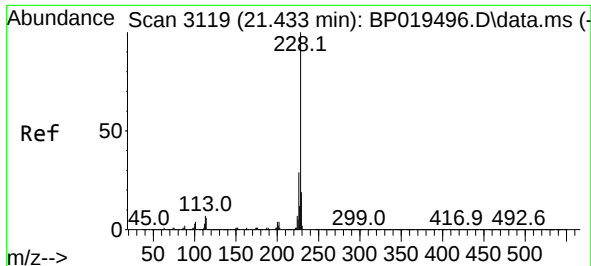
Tgt Ion:244 Resp: 1595746
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 6.5 5.9 8.9



#81
 Benzo(a)anthracene
 Concen: 30.294 ng
 RT: 21.427 min Scan# 3118
 Delta R.T. 0.047 min
 Lab File: BP019609.D
 Acq: 08 Feb 2024 14:39

Tgt Ion:228 Resp: 1110944
 Ion Ratio Lower Upper
 228 100
 226 30.2 21.7 32.5
 229 21.6 15.6 23.4

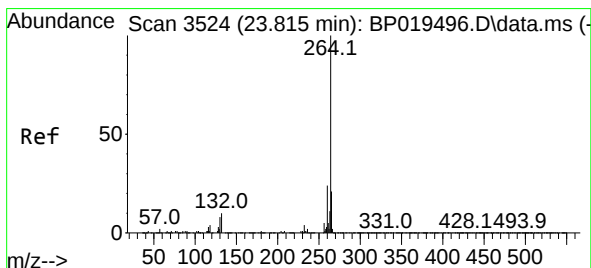
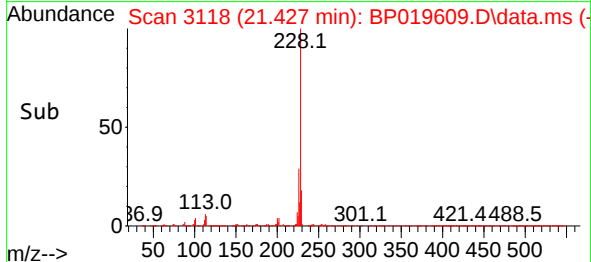
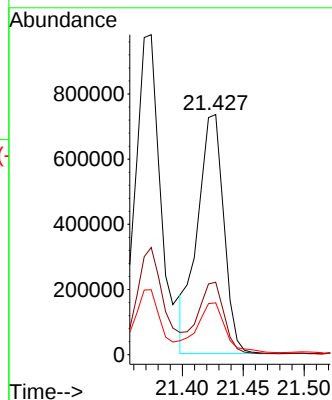
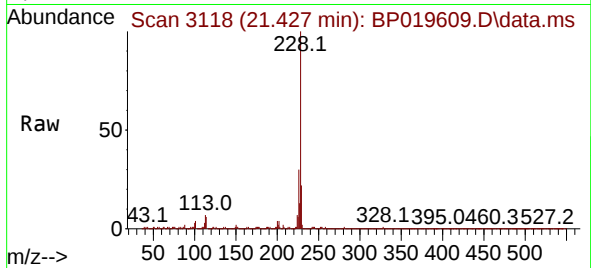




#83
Chrysene
Concen: 31.908 ng
RT: 21.427 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

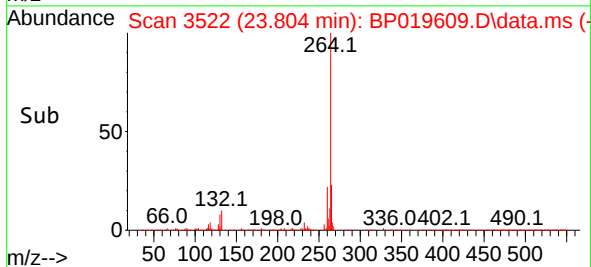
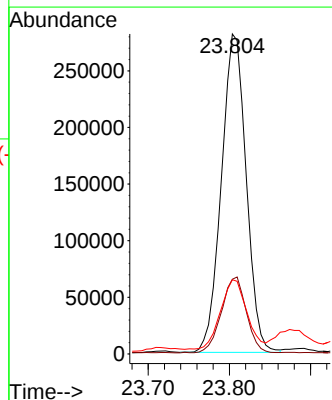
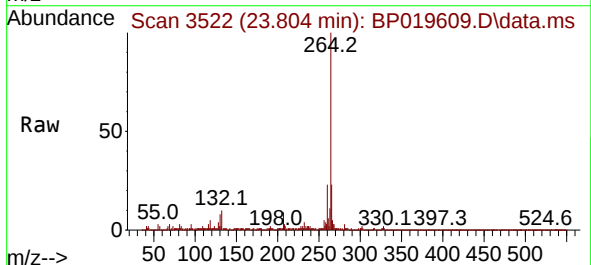
Instrument :
BNA_P
ClientSampleId :
EB-2-0-2D

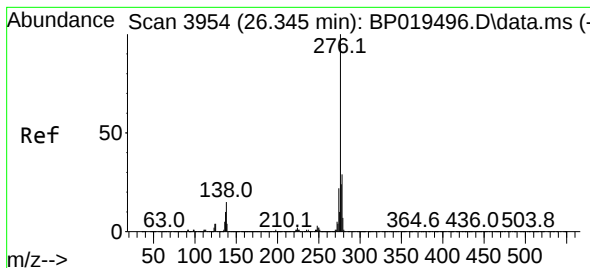
Tgt Ion:228 Resp: 1110944
Ion Ratio Lower Upper
228 100
226 30.2 23.4 35.2
229 21.6 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.804 min Scan# 3522
Delta R.T. -0.012 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

Tgt Ion:264 Resp: 598423
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 23.2 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 22.001 ng

RT: 26.327 min Scan# 3951

Delta R.T. -0.017 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

Instrument :

BNA_P

ClientSampleId :

EB-2-0-2D

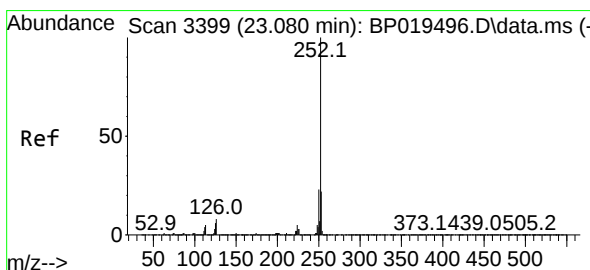
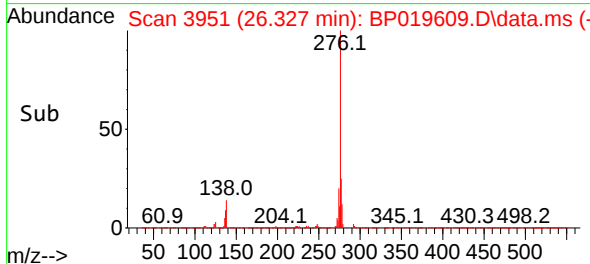
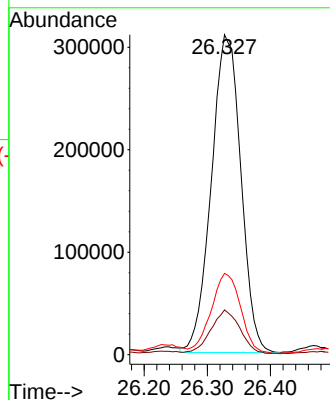
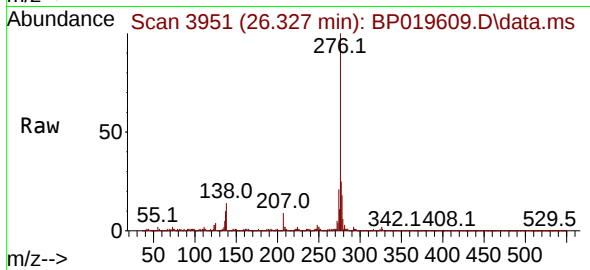
Tgt Ion:276 Resp: 1007786

Ion Ratio Lower Upper

276 100

138 13.6 13.1 19.7

277 25.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 49.666 ng

RT: 23.074 min Scan# 3398

Delta R.T. -0.006 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

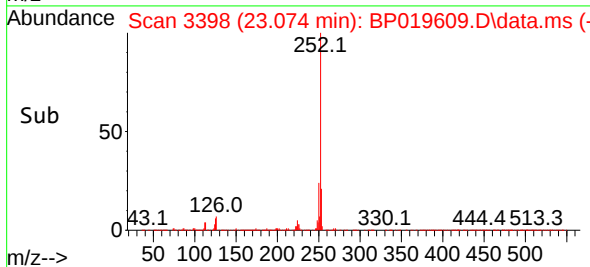
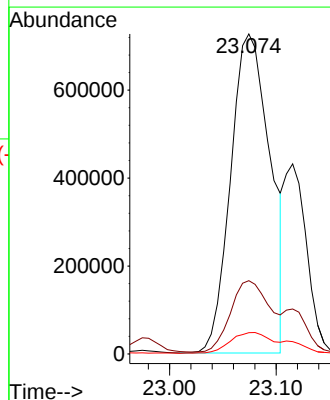
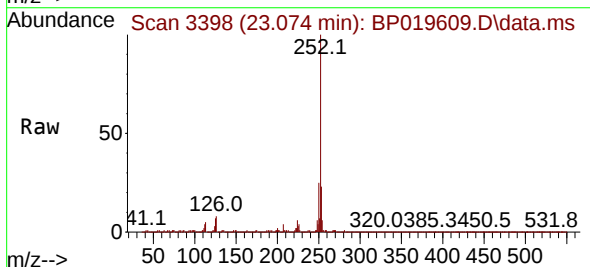
Tgt Ion:252 Resp: 1873207

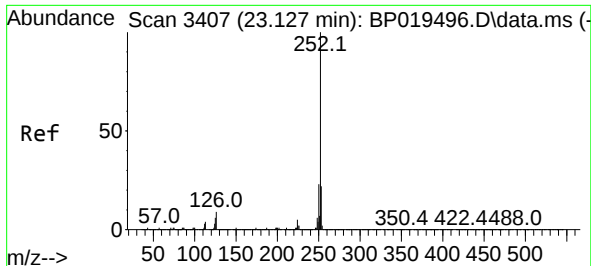
Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 6.6 4.9 7.3

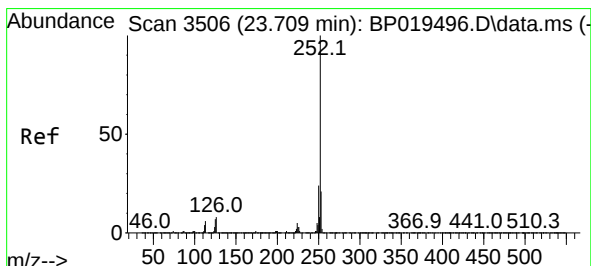
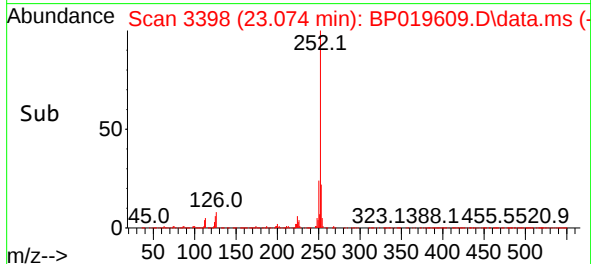
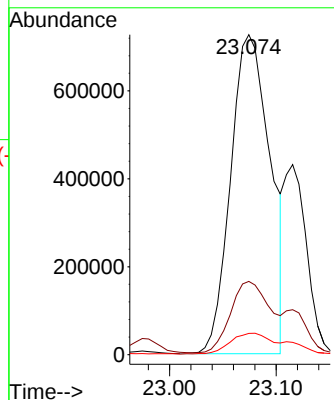
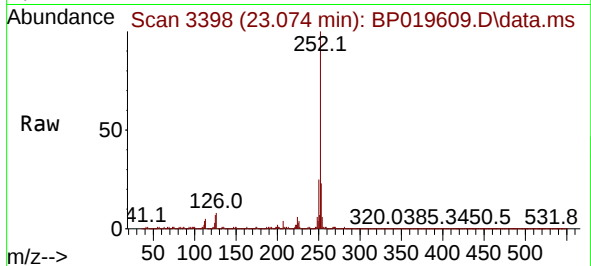




#89
Benzo(k)fluoranthene
Concen: 51.994 ng
RT: 23.074 min Scan# 31
Delta R.T. -0.053 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

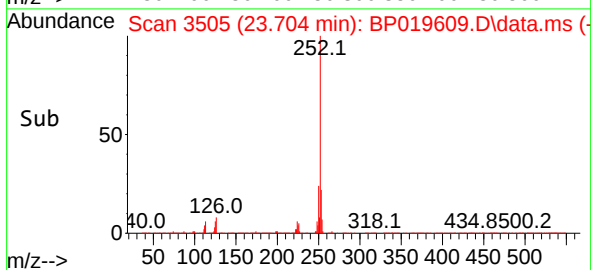
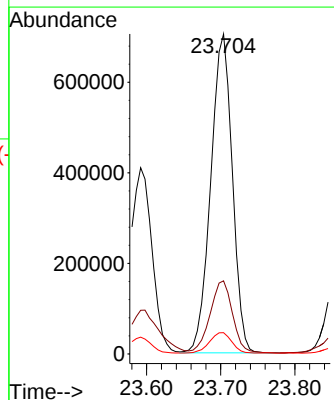
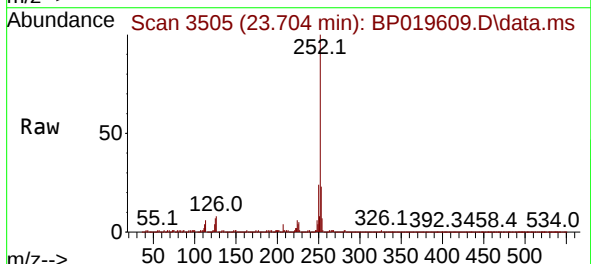
Instrument :
BNA_P
ClientSampleId :
EB-2-0-2D

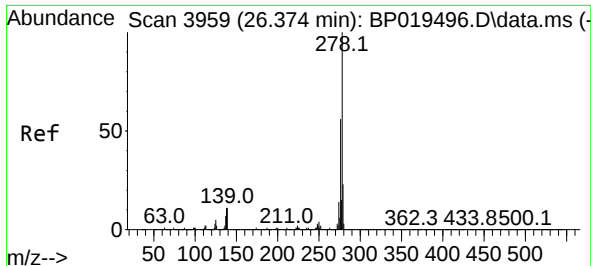
Tgt Ion:252 Resp: 1873207
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 6.6 5.0 7.6



#90
Benzo(a)pyrene
Concen: 42.403 ng
RT: 23.704 min Scan# 3505
Delta R.T. -0.006 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

Tgt Ion:252 Resp: 1422977
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 6.7 5.6 8.4

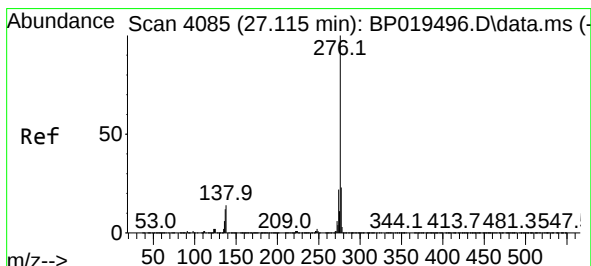
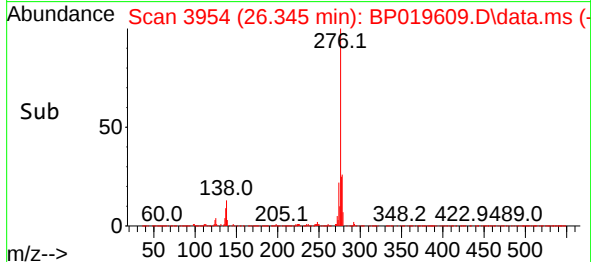
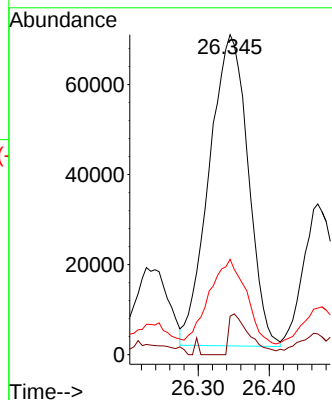
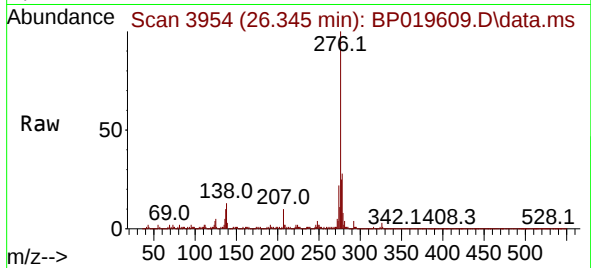




#91
 Dibenzo(a,h)anthracene
 Concen: 6.977 ng
 RT: 26.345 min Scan# 3954
 Delta R.T. -0.029 min
 Lab File: BP019609.D
 Acq: 08 Feb 2024 14:39

Instrument :
 BNA_P
 ClientSampleId :
 EB-2-0-2D

Tgt Ion:278 Resp: 262849
 Ion Ratio Lower Upper
 278 100
 139 12.1 8.6 12.8
 279 29.8 18.5 27.7#



#92
 Benzo(g,h,i)perylene
 Concen: 25.166 ng
 RT: 27.109 min Scan# 4084
 Delta R.T. -0.006 min
 Lab File: BP019609.D
 Acq: 08 Feb 2024 14:39

Tgt Ion:276 Resp: 961882
 Ion Ratio Lower Upper
 276 100
 277 24.5 18.6 28.0
 138 13.6 10.9 16.3

