

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031522\
 Data File : BP009412.D
 Acq On : 15 Mar 2022 23:01
 Operator : CG/JU
 Sample : N1894-02 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP2(0-5)

Quant Time: Mar 16 01:59:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 01:55:59 2022
 Response via : Initial Calibration

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

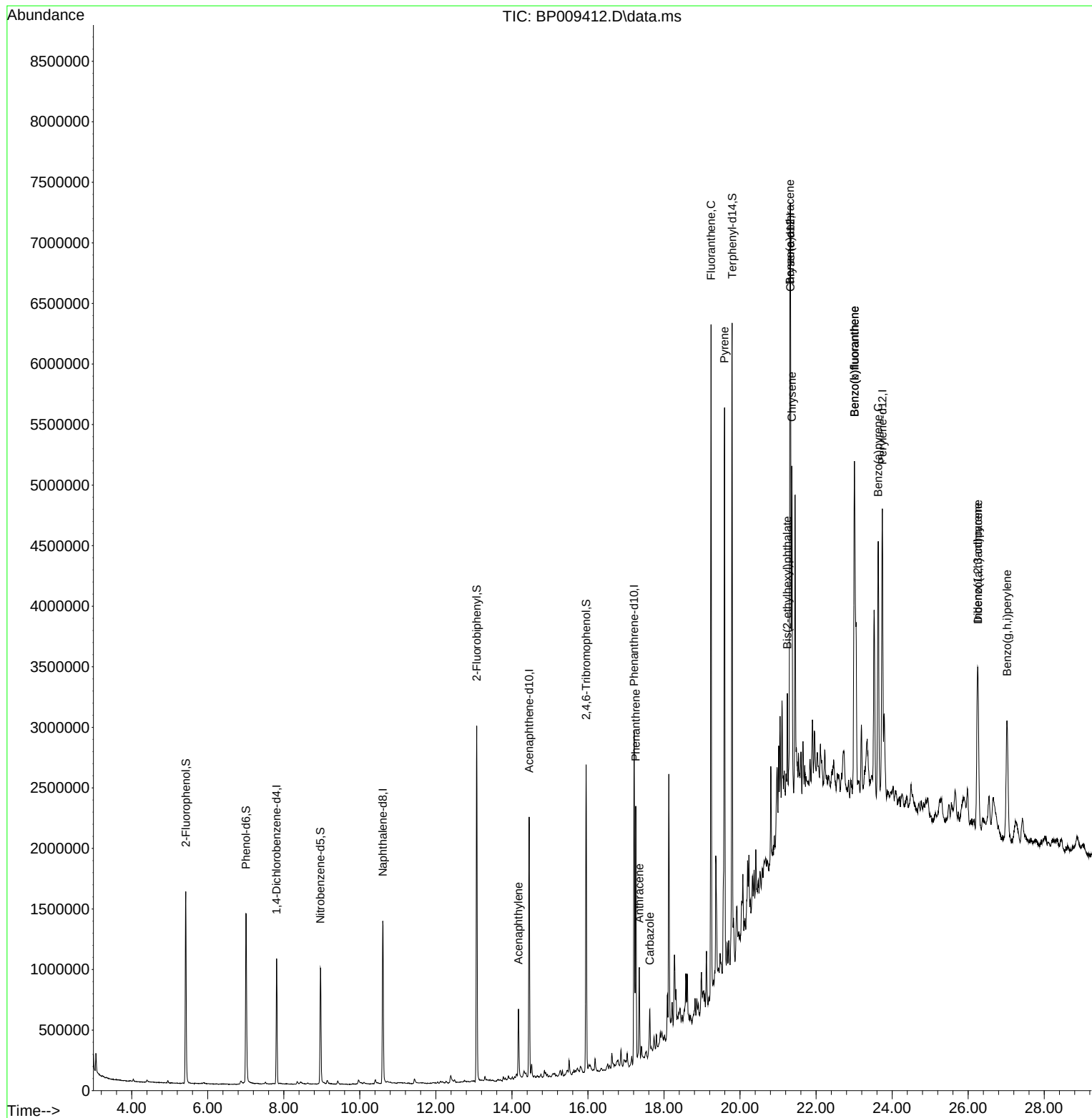
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	319958	20.000	ng	-0.01
21) Naphthalene-d8	10.604	136	1280229	20.000	ng	-0.01
39) Acenaphthene-d10	14.451	164	858297	20.000	ng	-0.01
64) Phenanthrene-d10	17.216	188	1819596	20.000	ng	0.00
76) Chrysene-d12	21.327	240	1767325	20.000	ng	0.00
86) Perylene-d12	23.745	264	1978938	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	824506	37.615	ng	0.01
7) Phenol-d6	7.005	99	1014544	36.422	ng	0.02
23) Nitrobenzene-d5	8.963	82	657936	28.306	ng	-0.01
42) 2,4,6-Tribromophenol	15.951	330	608000	58.665	ng	0.00
45) 2-Fluorobiphenyl	13.075	172	1675955	26.853	ng	-0.01
79) Terphenyl-d14	19.792	244	2783240	29.719	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.175	152	532509	6.493	ng	99
71) Phenanthrene	17.257	178	1395708	13.347	ng	99
72) Anthracene	17.351	178	536903	5.158	ng	99
73) Carbazole	17.628	167	277336	2.924	ng	99
75) Fluoranthene	19.239	202	3493860	28.946	ng	98
78) Pyrene	19.592	202	3049110	25.553	ng	100
81) Benzo(a)anthracene	21.310	228	1872932	15.635	ng	97
83) Chrysene	21.363	228	1710458	14.707	ng	98
84) Bis(2-ethylhexyl)phtha...	21.245	149	346766	5.034	ng	# 97
87) Indeno(1,2,3-cd)pyrene	26.251	276	1546380	10.058	ng	# 91
88) Benzo(b)fluoranthene	23.010	252	3577845	26.777	ng	98
89) Benzo(k)fluoranthene	23.010	252	3578116	28.031	ng	97
90) Benzo(a)pyrene	23.633	252	1805287	14.245	ng	96
91) Dibenzo(a,h)anthracene	26.256	278	415381	3.186	ng	94
92) Benzo(g,h,i)perylene	27.021	276	1488668	11.558	ng	95

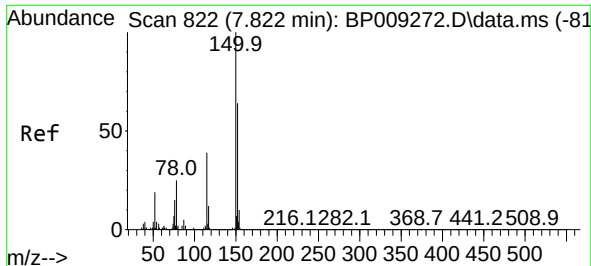
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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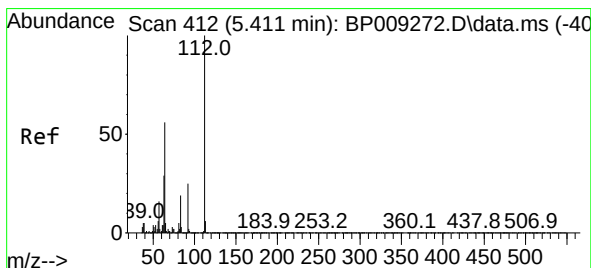
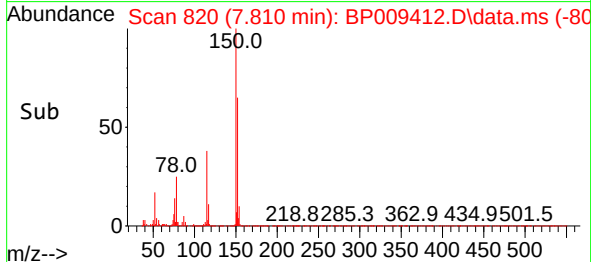
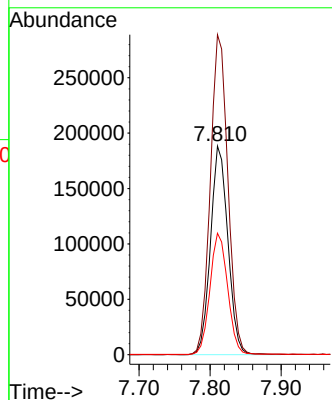
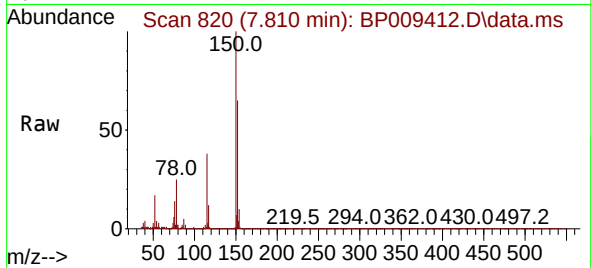




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP009412.D
Acq: 15 Mar 2022 23:01

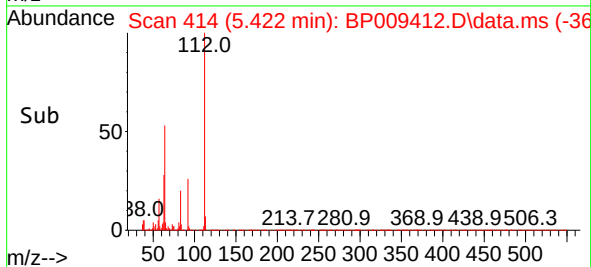
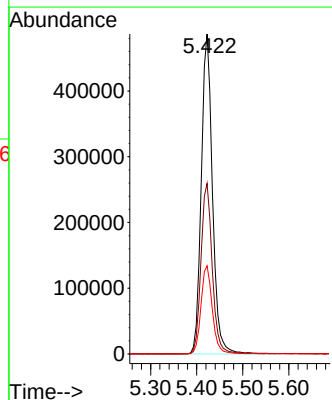
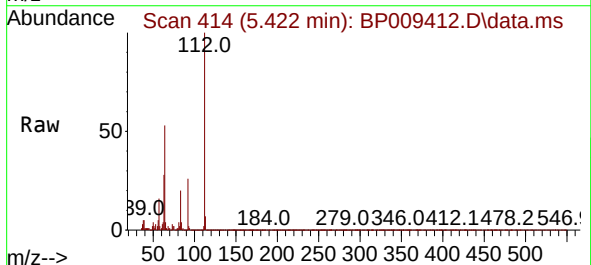
Instrument :
BNA_P
ClientSampleId :
TP2(0-5)

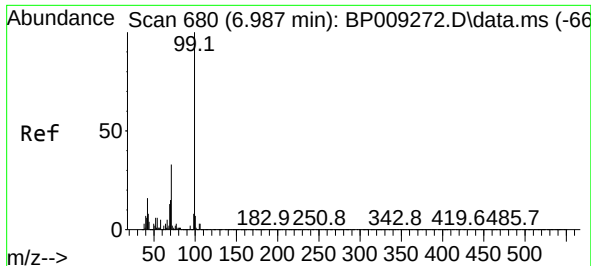
Tgt Ion:152 Resp: 319958
Ion Ratio Lower Upper
152 100
150 153.3 124.5 186.7
115 58.2 48.2 72.4



#5
2-Fluorophenol
Concen: 37.615 ng
RT: 5.422 min Scan# 414
Delta R.T. 0.011 min
Lab File: BP009412.D
Acq: 15 Mar 2022 23:01

Tgt Ion:112 Resp: 824506
Ion Ratio Lower Upper
112 100
64 53.3 45.0 67.4
63 27.5 23.0 34.6

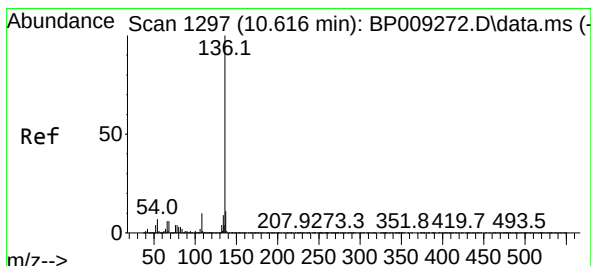
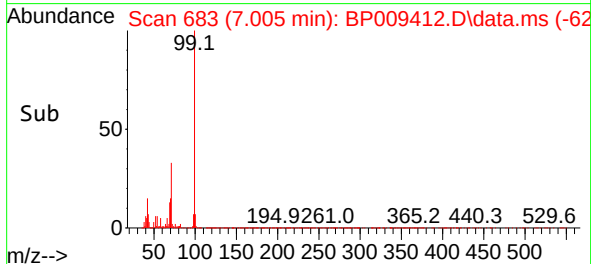
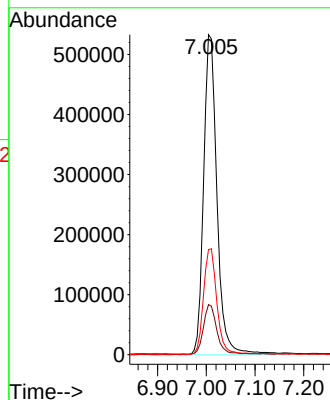
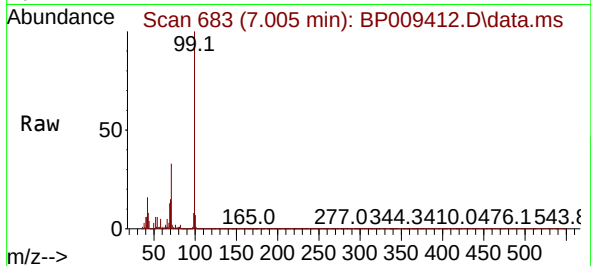




#7
Phenol-d6
Concen: 36.422 ng
RT: 7.005 min Scan# 61
Delta R.T. 0.018 min
Lab File: BP009412.D
Acq: 15 Mar 2022 23:01

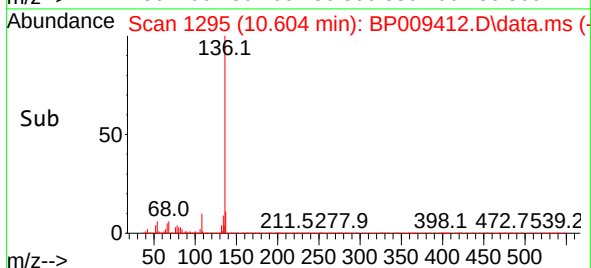
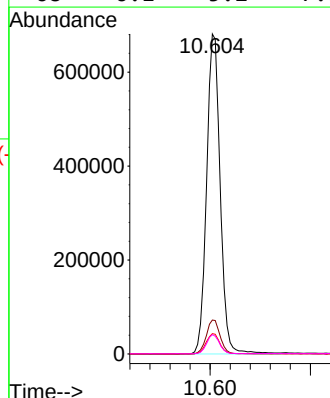
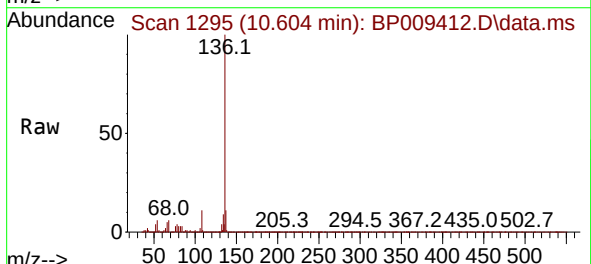
Instrument :
BNA_P
ClientSampleId :
TP2(0-5)

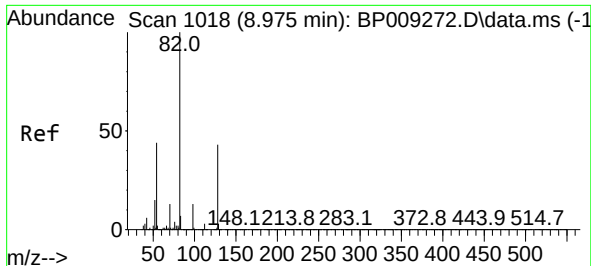
Tgt Ion: 99 Resp: 1014544
Ion Ratio Lower Upper
99 100
42 15.7 12.8 19.2
71 32.8 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BP009412.D
Acq: 15 Mar 2022 23:01

Tgt Ion: 136 Resp: 1280229
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 6.3 5.8 8.8
68 6.1 5.2 7.8

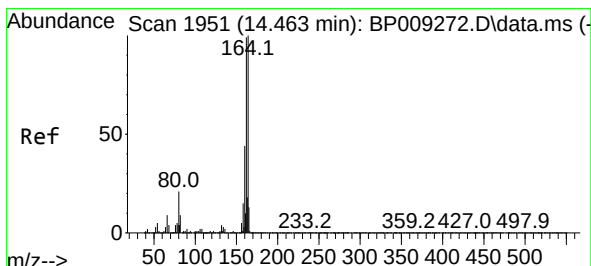
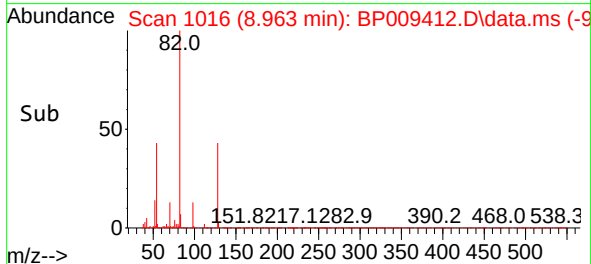
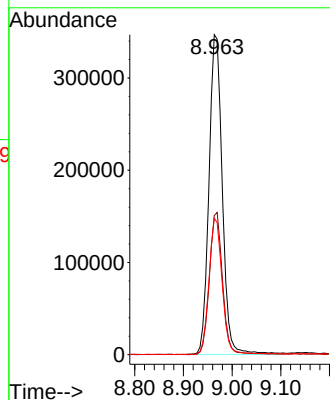
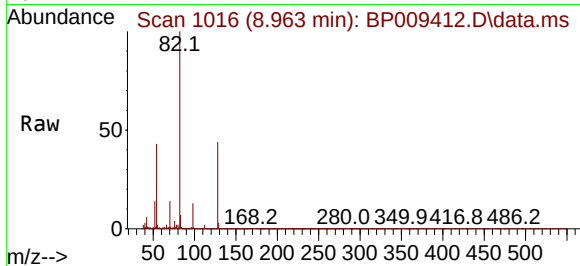




#23
Nitrobenzene-d5
Concen: 28.306 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BP009412.D
Acq: 15 Mar 2022 23:01

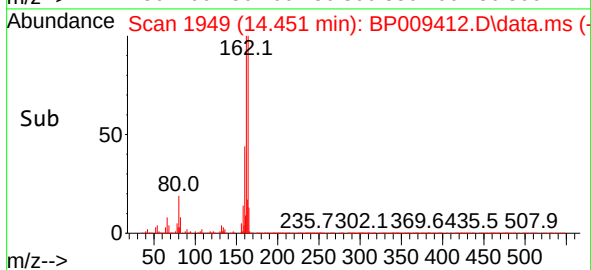
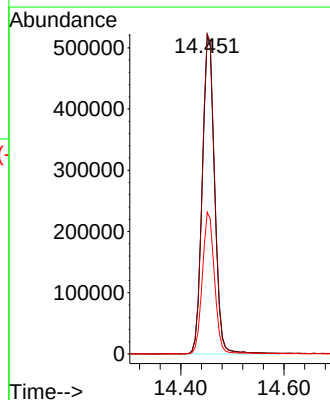
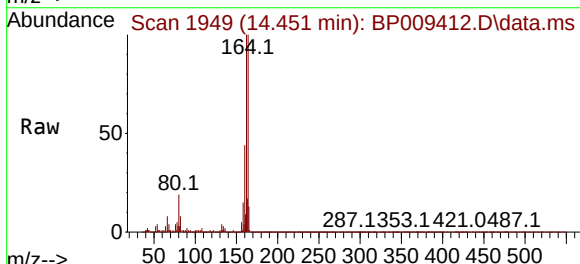
Instrument :
BNA_P
ClientSampleId :
TP2(0-5)

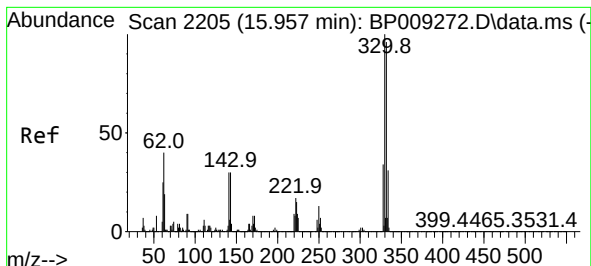
Tgt Ion: 82 Resp: 657936
Ion Ratio Lower Upper
82 100
128 43.5 34.2 51.4
54 42.6 34.7 52.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BP009412.D
Acq: 15 Mar 2022 23:01

Tgt Ion:164 Resp: 858297
Ion Ratio Lower Upper
164 100
162 100.4 79.1 118.7
160 44.5 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 58.665 ng

RT: 15.951 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP009412.D

Acq: 15 Mar 2022 23:01

Instrument :

BNA_P

ClientSampleId :

TP2(0-5)

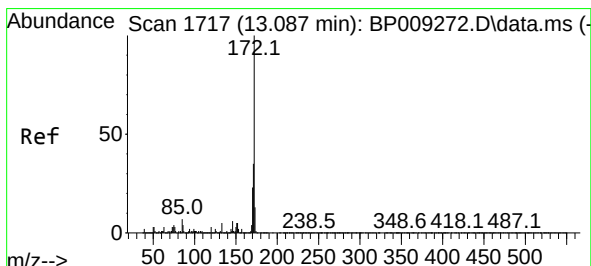
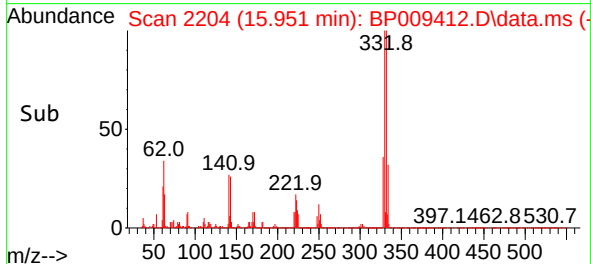
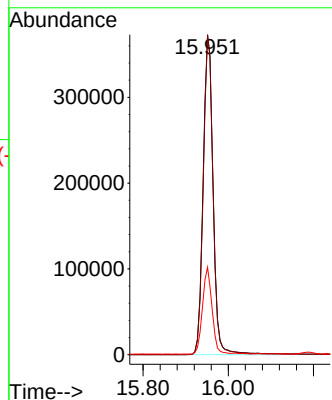
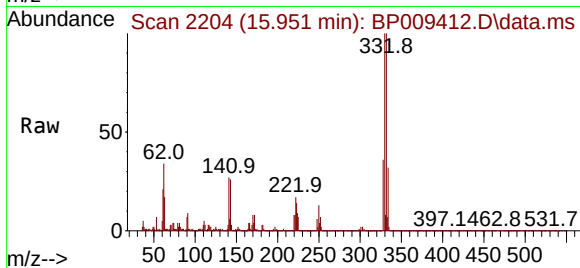
Tgt Ion:330 Resp: 608000

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

141 25.9 27.6 41.4#



#45

2-Fluorobiphenyl

Concen: 26.853 ng

RT: 13.075 min Scan# 1715

Delta R.T. -0.012 min

Lab File: BP009412.D

Acq: 15 Mar 2022 23:01

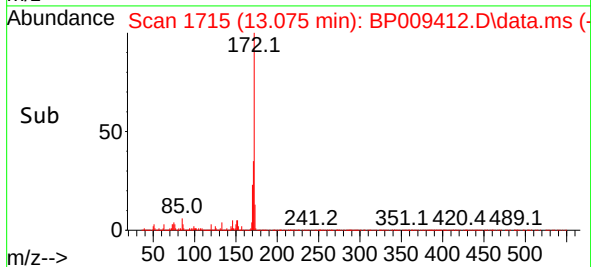
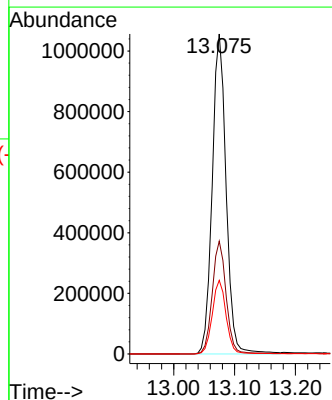
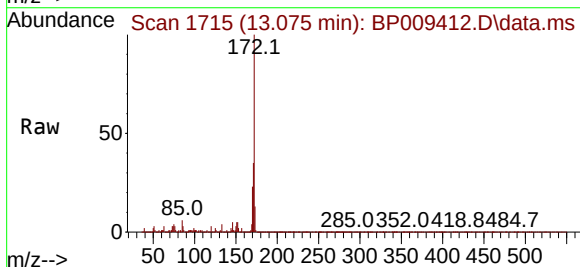
Tgt Ion:172 Resp: 1675955

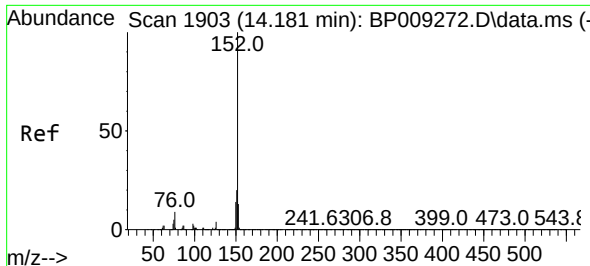
Ion Ratio Lower Upper

172 100

171 35.3 28.0 42.0

170 23.0 18.6 27.8

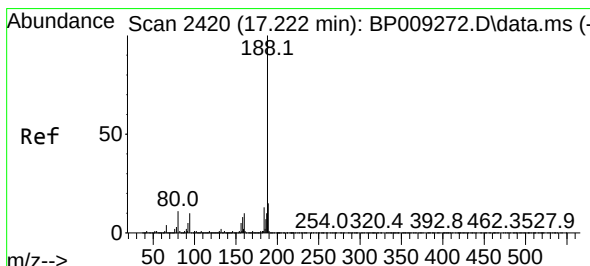
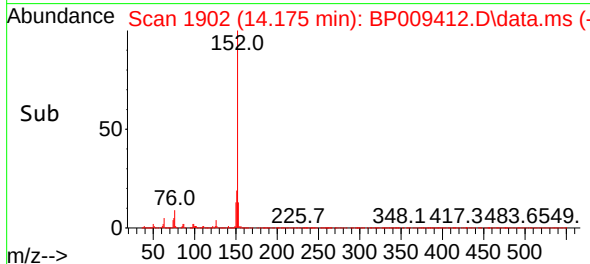
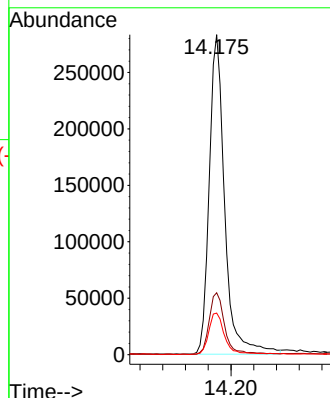
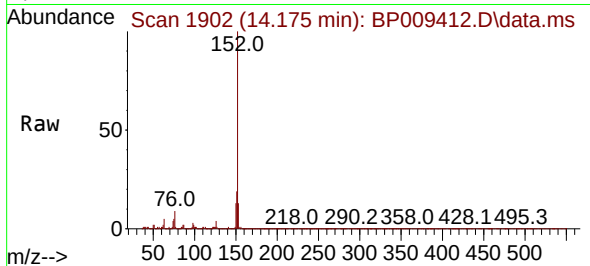




#49
Acenaphthylene
Concen: 6.493 ng
RT: 14.175 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BP009412.D
Acq: 15 Mar 2022 23:01

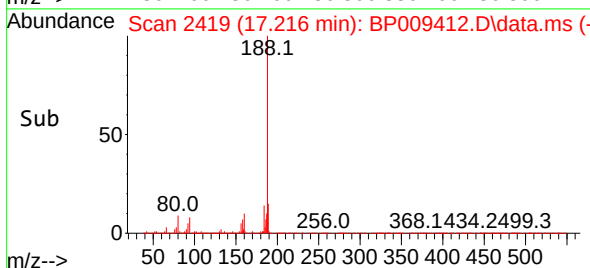
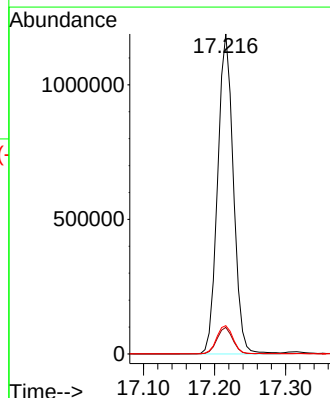
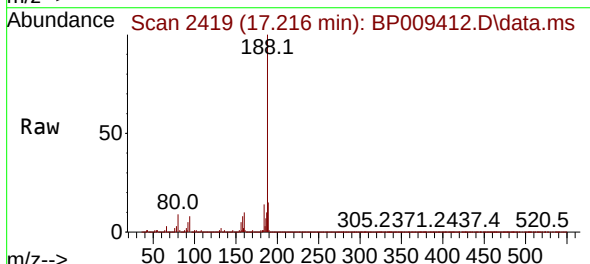
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TP2(0-5)

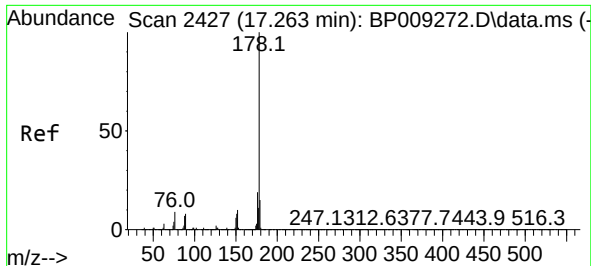
Tgt Ion:152 Resp: 532509
Ion Ratio Lower Upper
152 100
151 19.4 15.9 23.9
153 13.0 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP009412.D
Acq: 15 Mar 2022 23:01

Tgt Ion:188 Resp: 1819596
Ion Ratio Lower Upper
188 100
94 8.3 7.9 11.9
80 8.9 8.8 13.2

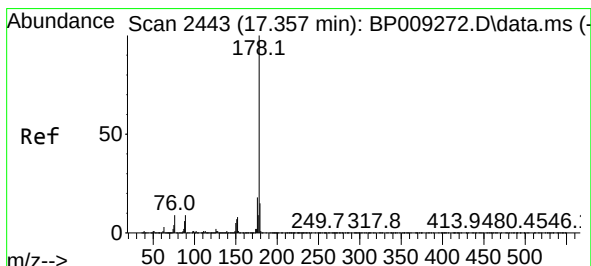
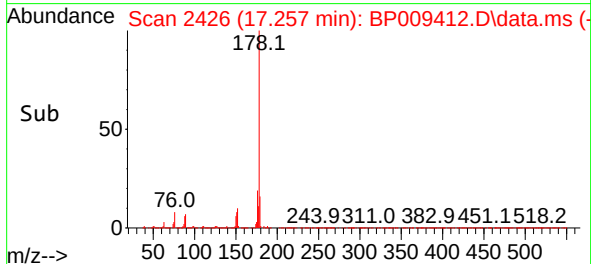
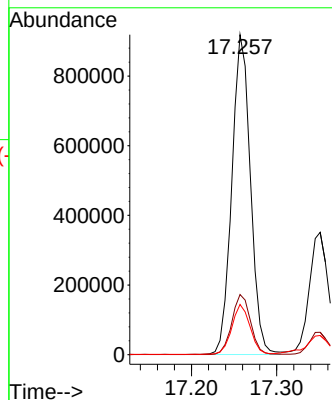
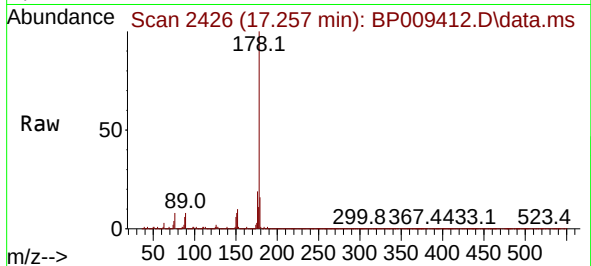




#71
Phenanthrene
Concen: 13.347 ng
RT: 17.257 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BP009412.D
Acq: 15 Mar 2022 23:01

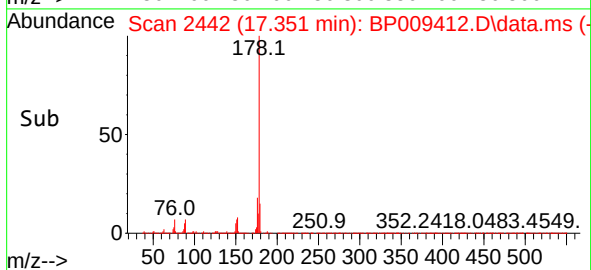
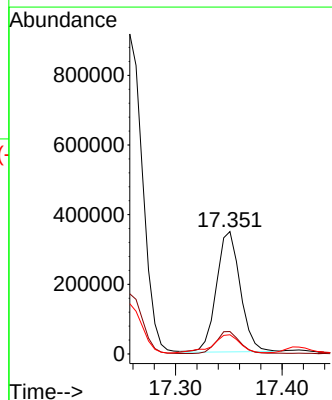
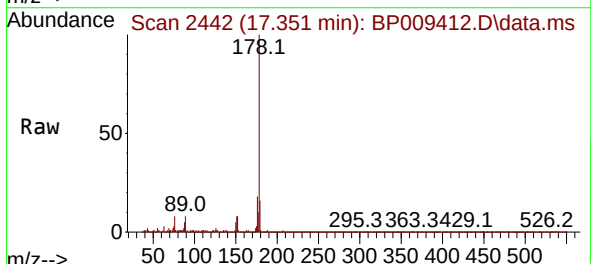
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ClientSampleId :
TP2(0-5)

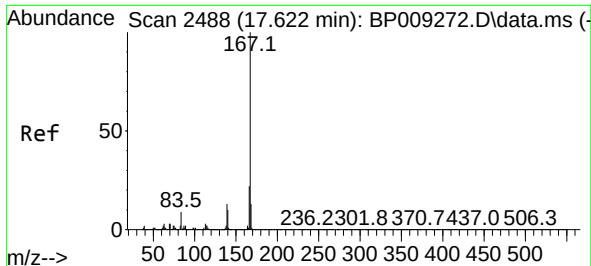
Tgt Ion:178 Resp: 1395708
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.7 12.3 18.5



#72
Anthracene
Concen: 5.158 ng
RT: 17.351 min Scan# 2442
Delta R.T. -0.006 min
Lab File: BP009412.D
Acq: 15 Mar 2022 23:01

Tgt Ion:178 Resp: 536903
Ion Ratio Lower Upper
178 100
176 18.3 14.8 22.2
179 15.7 12.2 18.4

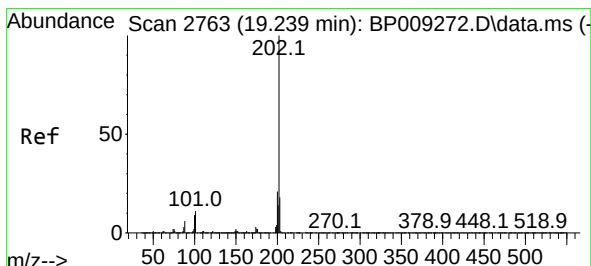
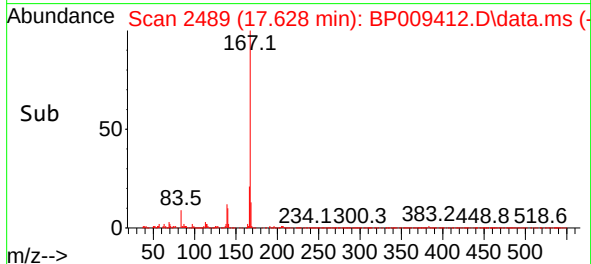
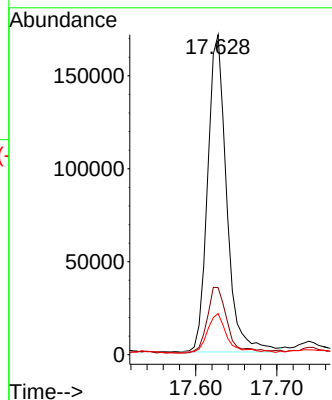
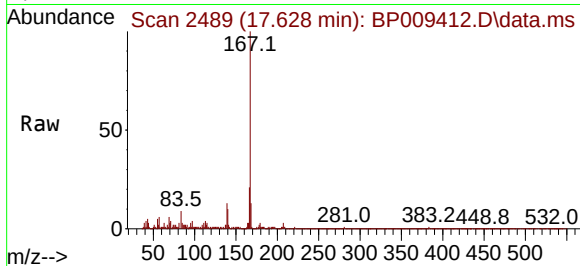




#73
 Carbazole
 Concen: 2.924 ng
 RT: 17.628 min Scan# 2488
 Delta R.T. 0.006 min
 Lab File: BP009412.D
 Acq: 15 Mar 2022 23:01

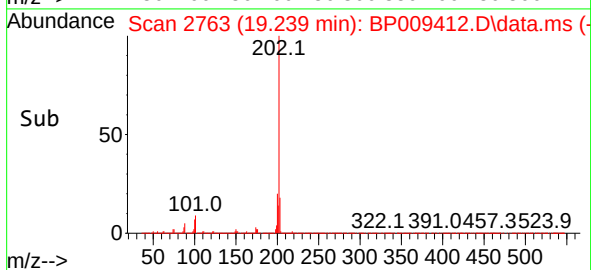
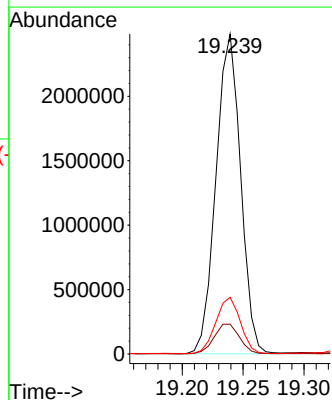
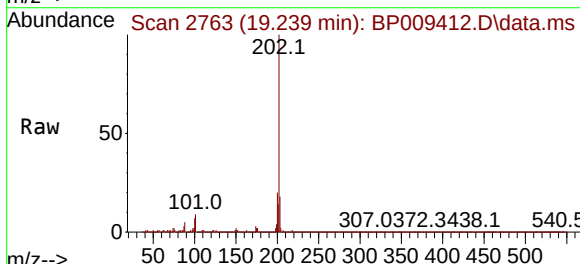
Instrument :
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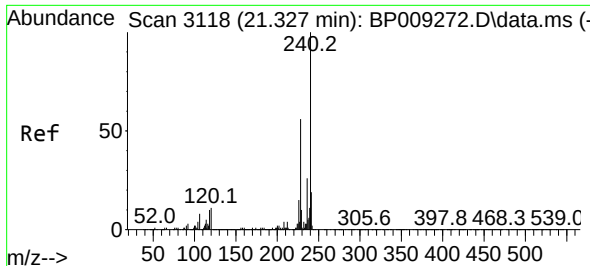
Tgt Ion:167 Resp: 277336
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.2 25.8
 139 12.9 10.3 15.5



#75
 Fluoranthene
 Concen: 28.946 ng
 RT: 19.239 min Scan# 2763
 Delta R.T. -0.000 min
 Lab File: BP009412.D
 Acq: 15 Mar 2022 23:01

Tgt Ion:202 Resp: 3493860
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 31.5
 203 17.7 0.0 37.8

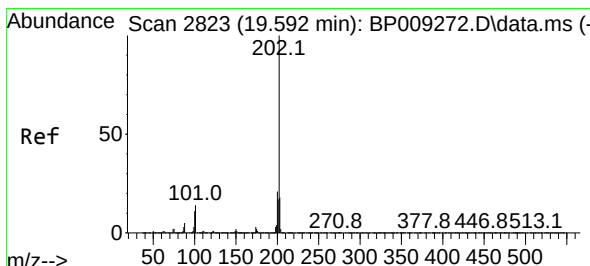
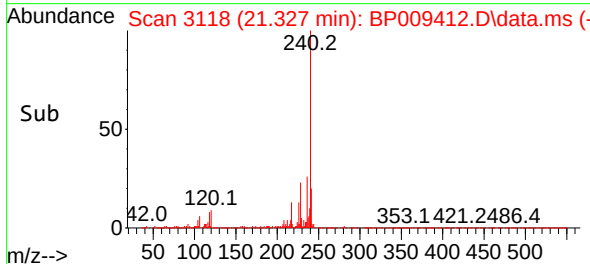
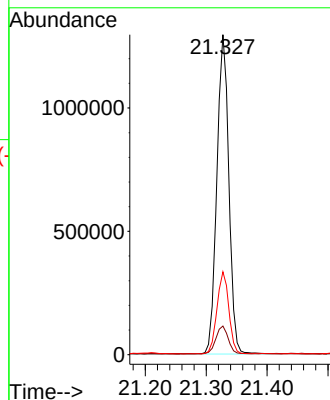
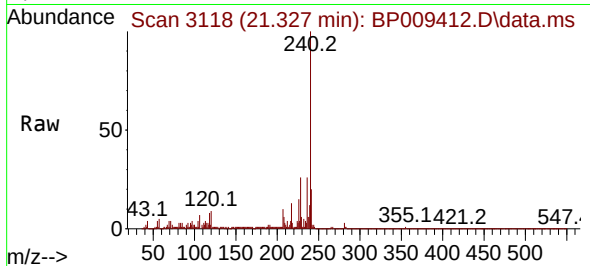




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.000 min
Lab File: BP009412.D
Acq: 15 Mar 2022 23:01

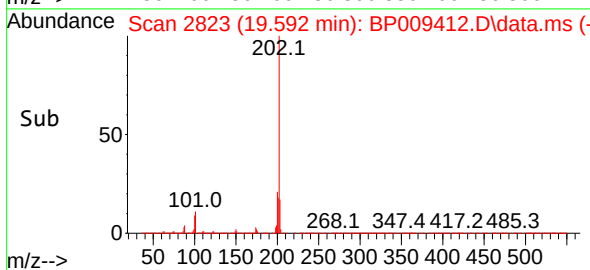
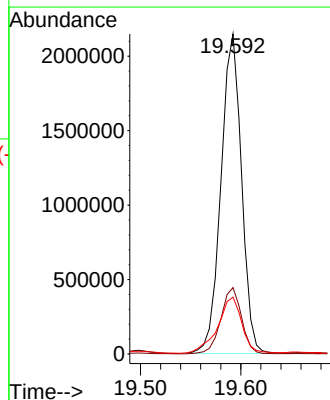
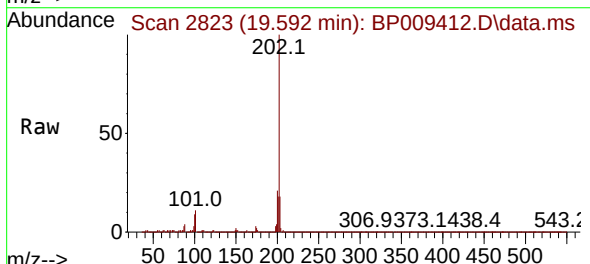
Instrument :
BNA_P
ClientSampleId :
TP2(0-5)

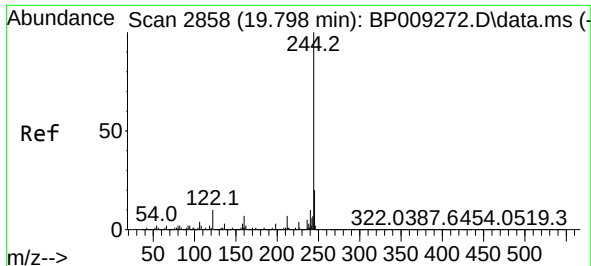
Tgt Ion:240 Resp: 1767325
Ion Ratio Lower Upper
240 100
120 9.0 9.0 13.4
236 25.9 20.6 30.8



#78
Pyrene
Concen: 25.553 ng
RT: 19.592 min Scan# 2823
Delta R.T. -0.000 min
Lab File: BP009412.D
Acq: 15 Mar 2022 23:01

Tgt Ion:202 Resp: 3049110
Ion Ratio Lower Upper
202 100
200 20.8 16.8 25.2
203 17.7 14.2 21.4

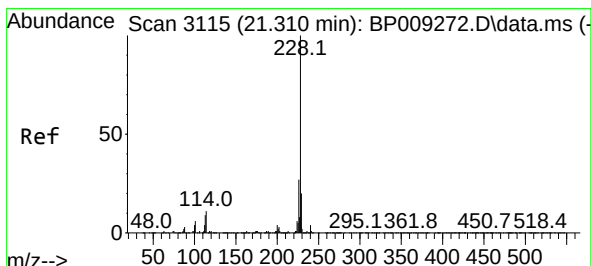
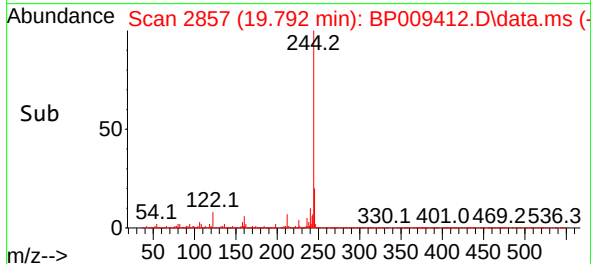
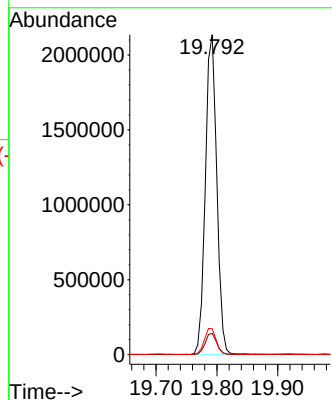
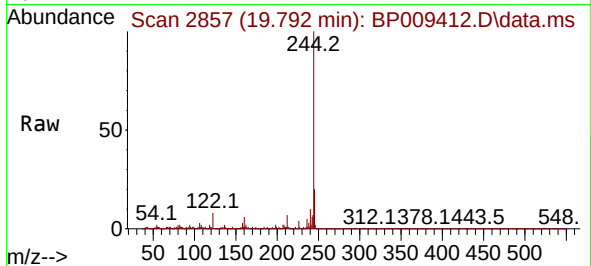




#79
 Terphenyl-d14
 Concen: 29.719 ng
 RT: 19.792 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009412.D
 Acq: 15 Mar 2022 23:01

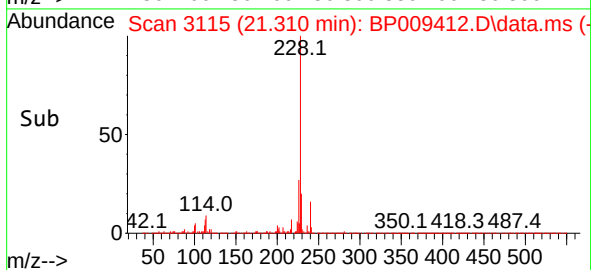
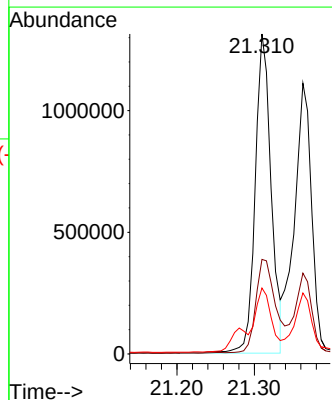
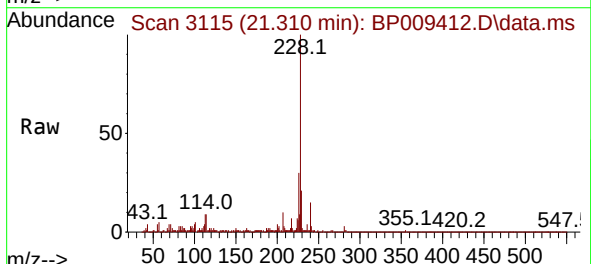
Instrument :
 BNA_P
 ClientSampleId :
 TP2(0-5)

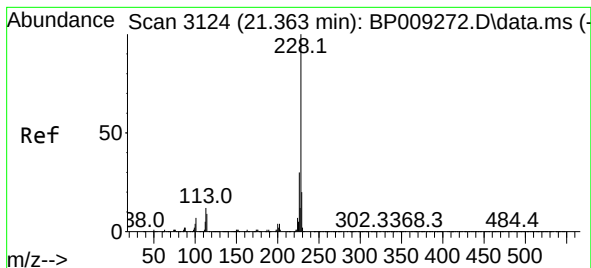
Tgt Ion:244 Resp: 2783240
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.6
 122 8.1 8.3 12.5#



#81
 Benzo(a)anthracene
 Concen: 15.635 ng
 RT: 21.310 min Scan# 3115
 Delta R.T. -0.000 min
 Lab File: BP009412.D
 Acq: 15 Mar 2022 23:01

Tgt Ion:228 Resp: 1872932
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.0 33.0
 229 20.6 16.1 24.1





#83

Chrysene

Concen: 14.707 ng

RT: 21.363 min Scan# 3124

Delta R.T. -0.000 min

Lab File: BP009412.D

Acq: 15 Mar 2022 23:01

Instrument :

BNA_P

ClientSampleId :

TP2(0-5)

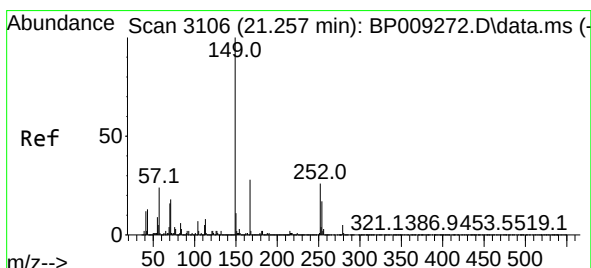
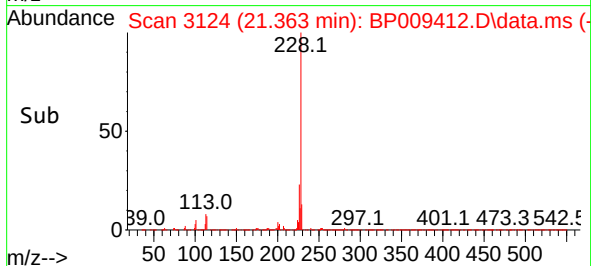
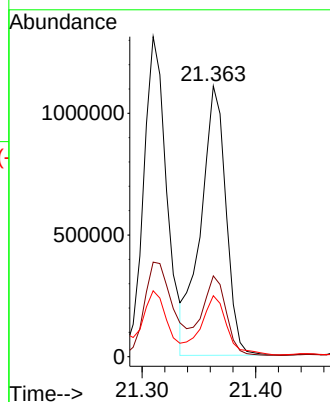
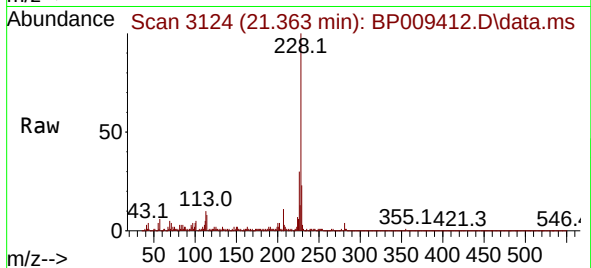
Tgt Ion:228 Resp: 1710458

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.2

229 22.5 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.034 ng

RT: 21.245 min Scan# 3104

Delta R.T. -0.012 min

Lab File: BP009412.D

Acq: 15 Mar 2022 23:01

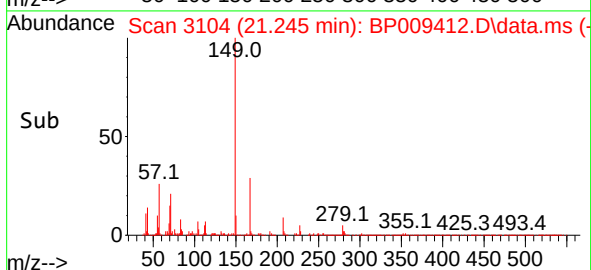
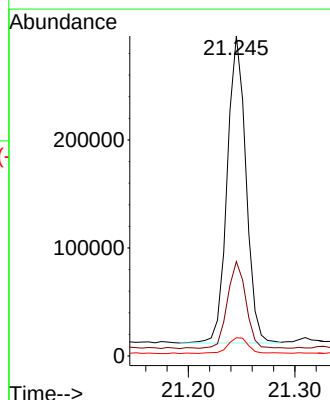
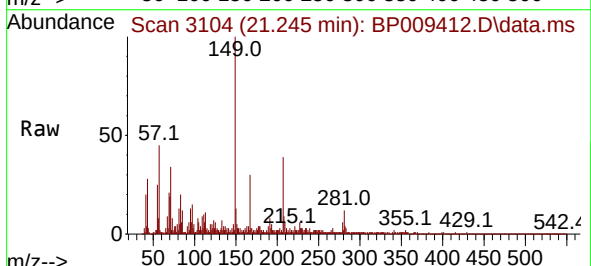
Tgt Ion:149 Resp: 346766

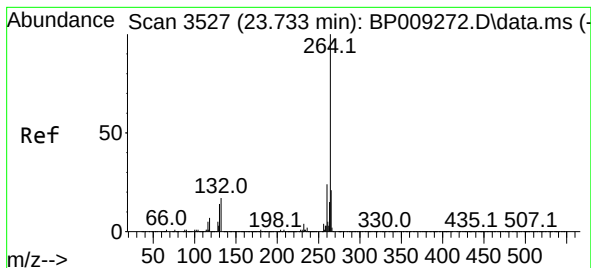
Ion Ratio Lower Upper

149 100

167 29.5 22.6 33.8

279 5.7 3.8 5.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.745 min Scan# 3

Delta R.T. 0.012 min

Lab File: BP009412.D

Acq: 15 Mar 2022 23:01

Instrument :

BNA_P

ClientSampleId :

TP2(0-5)

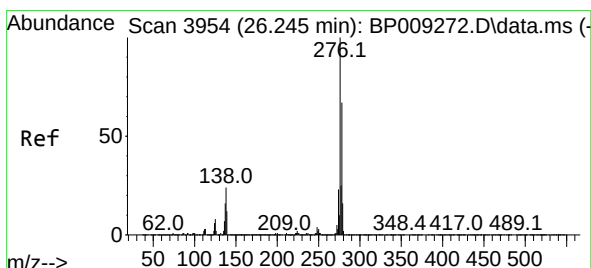
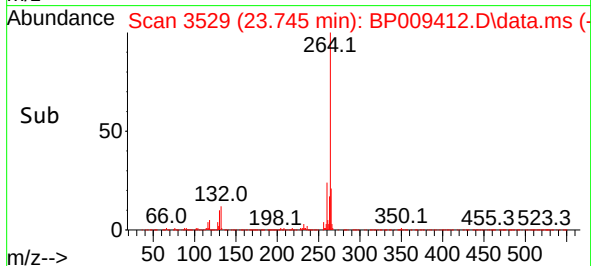
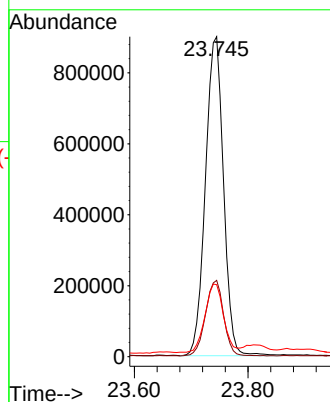
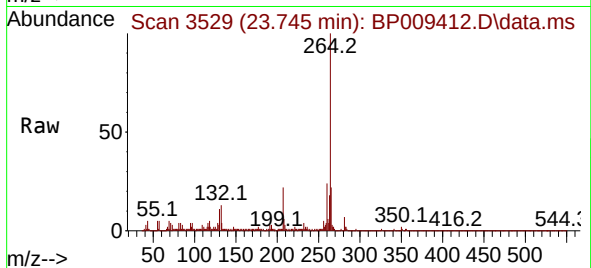
Tgt Ion:264 Resp: 1978938

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.0

265 22.5 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.058 ng

RT: 26.251 min Scan# 3955

Delta R.T. 0.006 min

Lab File: BP009412.D

Acq: 15 Mar 2022 23:01

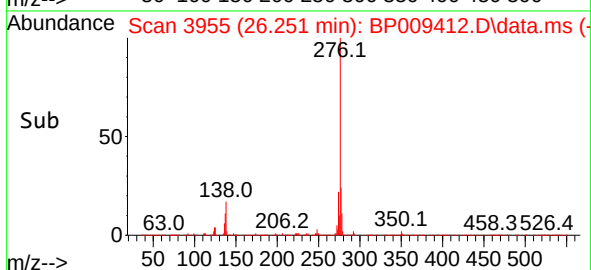
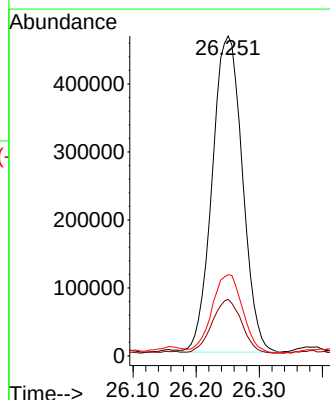
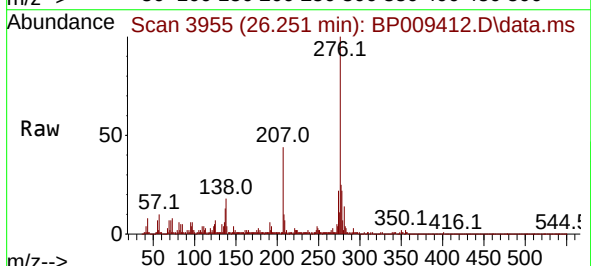
Tgt Ion:276 Resp: 1546380

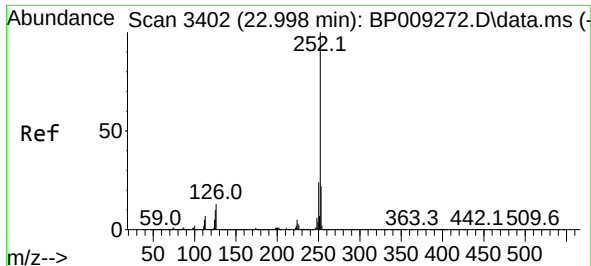
Ion Ratio Lower Upper

276 100

138 16.7 20.5 30.7#

277 25.4 20.4 30.6

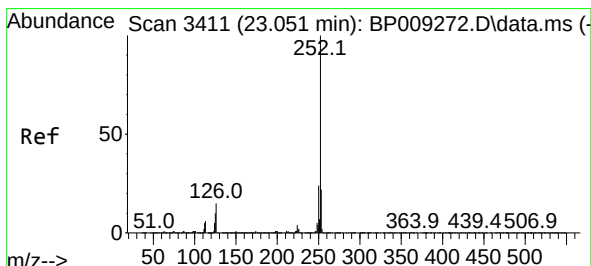
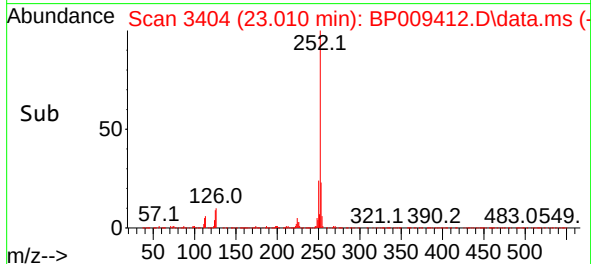
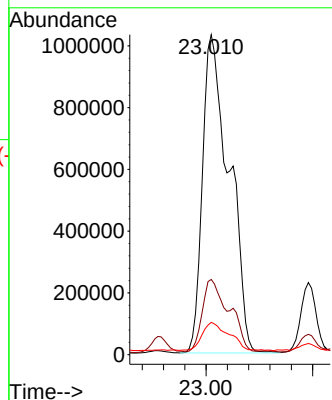
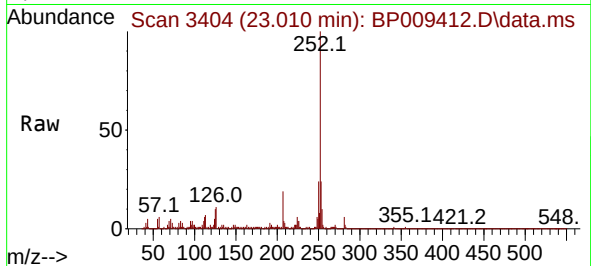




#88
Benzo(b)fluoranthene
Concen: 26.777 ng
RT: 23.010 min Scan# 3404
Delta R.T. 0.012 min
Lab File: BP009412.D
Acq: 15 Mar 2022 23:01

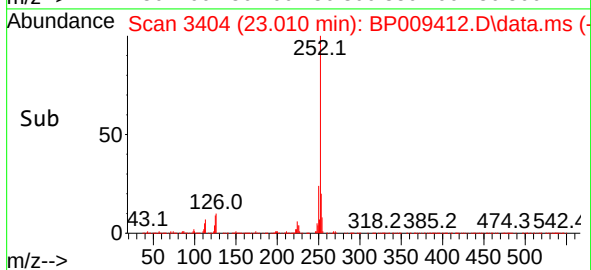
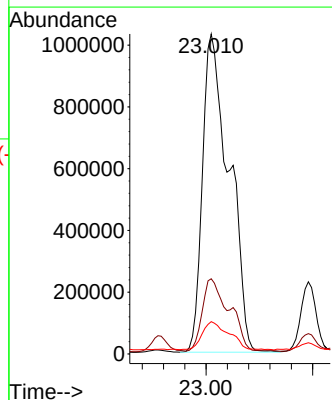
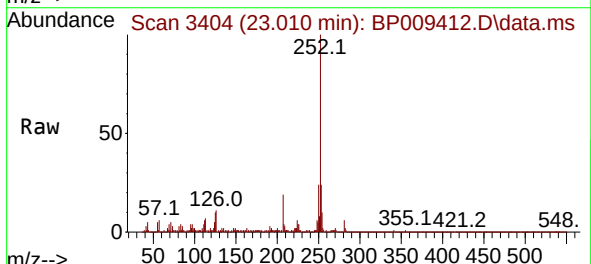
Instrument :
BNA_P
ClientSampleId :
TP2(0-5)

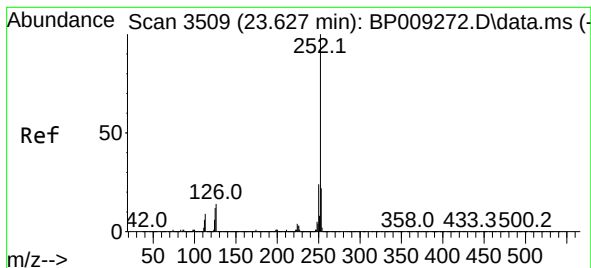
Tgt Ion:252 Resp: 3577845
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 10.1 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 28.031 ng
RT: 23.010 min Scan# 3404
Delta R.T. -0.041 min
Lab File: BP009412.D
Acq: 15 Mar 2022 23:01

Tgt Ion:252 Resp: 3578116
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 10.1 8.3 12.5





#90

Benzo(a)pyrene

Concen: 14.245 ng

RT: 23.633 min Scan# 3

Delta R.T. 0.006 min

Lab File: BP009412.D

Acq: 15 Mar 2022 23:01

Instrument :

BNA_P

ClientSampleId :

TP2(0-5)

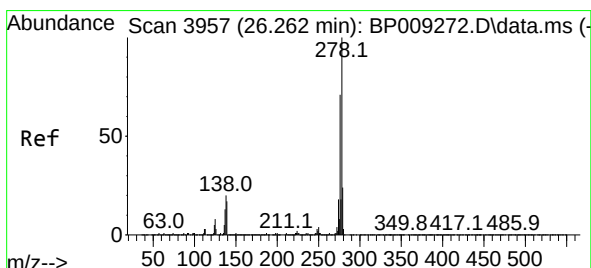
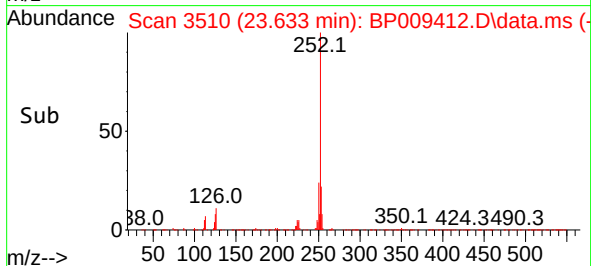
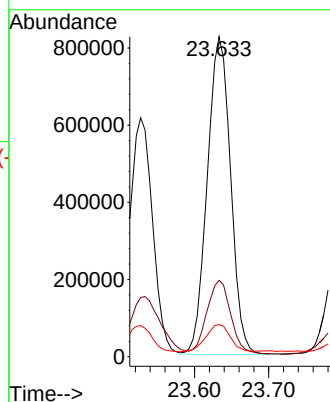
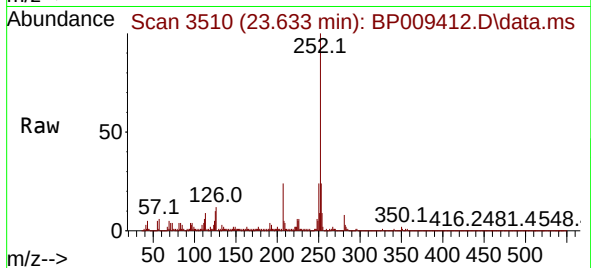
Tgt Ion:252 Resp: 1805287

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.6

125 10.0 9.3 13.9



#91

Dibenzo(a,h)anthracene

Concen: 3.186 ng

RT: 26.256 min Scan# 3956

Delta R.T. -0.006 min

Lab File: BP009412.D

Acq: 15 Mar 2022 23:01

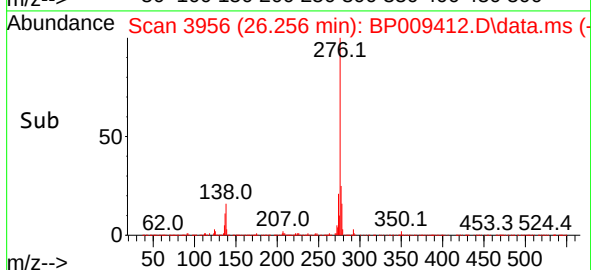
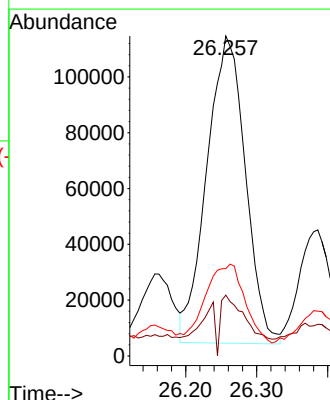
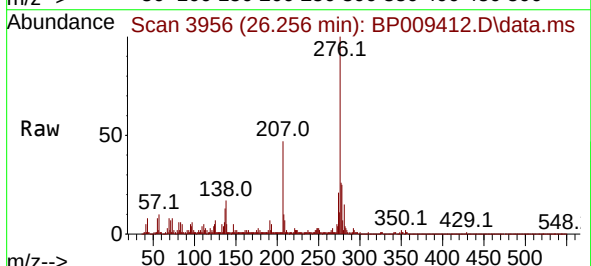
Tgt Ion:278 Resp: 415381

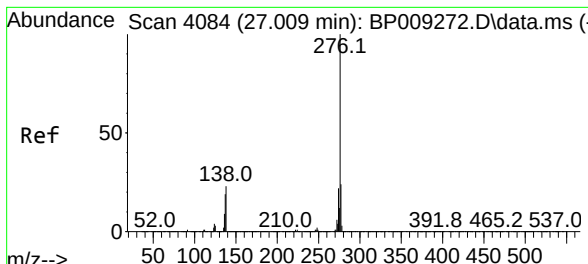
Ion Ratio Lower Upper

278 100

139 19.0 13.2 19.8

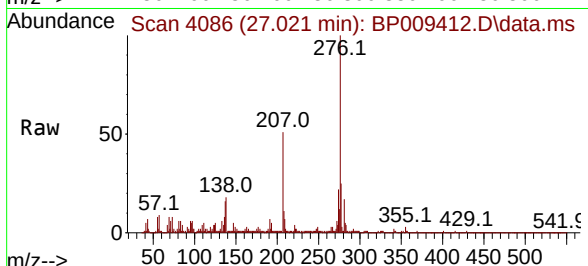
279 27.3 19.2 28.8





#92
 Benzo(g,h,i)perylene
 Concen: 11.558 ng
 RT: 27.021 min Scan# 4086
 Delta R.T. 0.012 min
 Lab File: BP009412.D
 Acq: 15 Mar 2022 23:01

Instrument :
 BNA_P
 ClientSampleId :
 TP2(0-5)



Tgt Ion: 276 Resp: 1488668

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.2	28.8
138	18.1	18.0	27.0

