

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
 Data File : BP021621.D
 Acq On : 22 Aug 2024 20:06
 Operator : RC/JU
 Sample : P3671-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 S-903-J-SO-0-0.5-081924

Quant Time: Aug 23 00:54:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 11:12:31 2024
 Response via : Initial Calibration

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

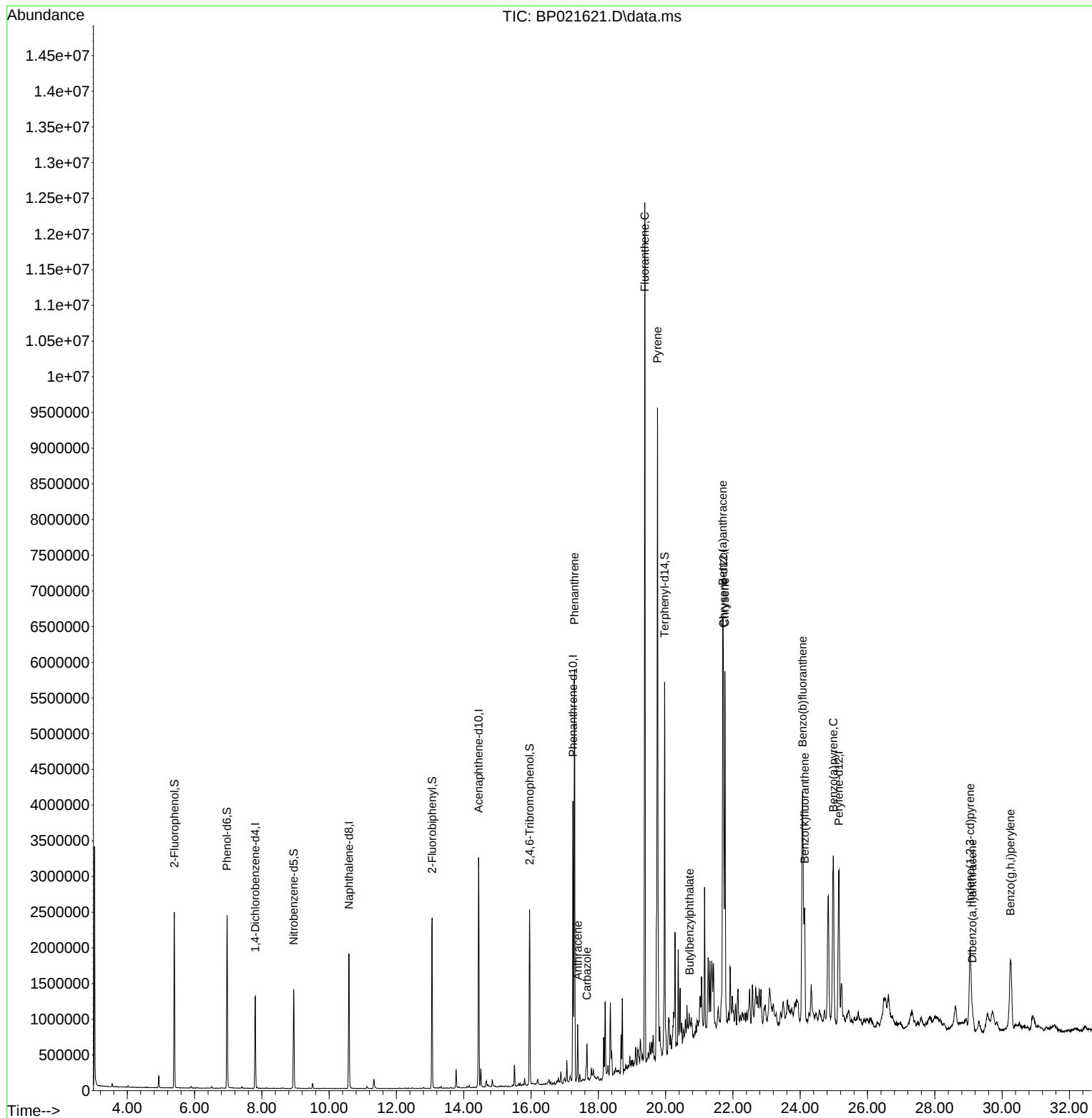
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	360701	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	1546563	20.000	ng	0.00
39) Acenaphthene-d10	14.440	164	1075680	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	2395933	20.000	ng	0.00
76) Chrysene-d12	21.716	240	2027364	20.000	ng	0.00
86) Perylene-d12	25.151	264	2358797	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1128878	46.471	ng	0.00
7) Phenol-d6	6.963	99	1630099	46.001	ng	0.00
23) Nitrobenzene-d5	8.946	82	915399	30.551	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	516823	43.170	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	1242392	17.627	ng	0.00
79) Terphenyl-d14	19.969	244	2284318	21.890	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.292	178	3650463	31.681	ng	99
72) Anthracene	17.386	178	472712	4.183	ng	99
73) Carbazole	17.663	167	311582	2.861	ng	98
75) Fluoranthene	19.380	202	7628233	53.956	ng	99
78) Pyrene	19.757	202	5859772	44.221	ng	99
80) Butylbenzylphthalate	20.710	149	27904	4.116	ng	100
81) Benzo(a)anthracene	21.698	228	2667422	20.959	ng	98
83) Chrysene	21.763	228	3058021	25.449	ng	98
87) Indeno(1,2,3-cd)pyrene	29.051	276	2010108	13.147	ng	# 90
88) Benzo(b)fluoranthene	24.068	252	4117274	30.392	ng	98
89) Benzo(k)fluoranthene	24.133	252	1373839m	10.396	ng	
90) Benzo(a)pyrene	24.986	252	2660944	22.634	ng	98
91) Dibenzo(a,h)anthracene	29.115	278	490549	3.861	ng	93
92) Benzo(g,h,i)perylene	30.250	276	1875557	14.729	ng	100

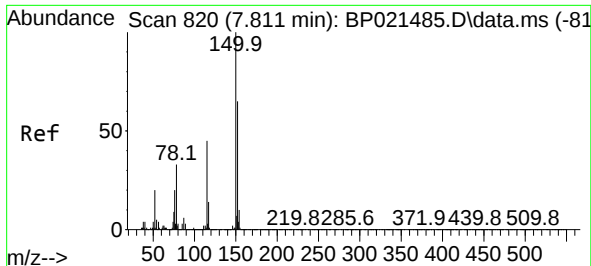
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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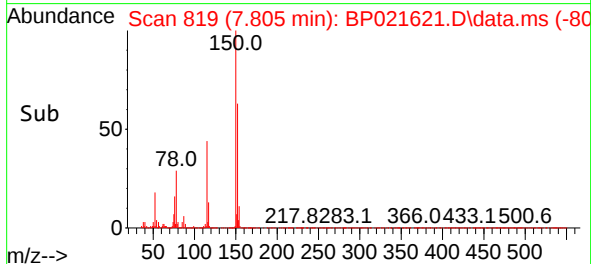
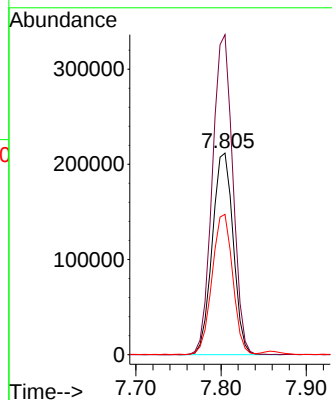
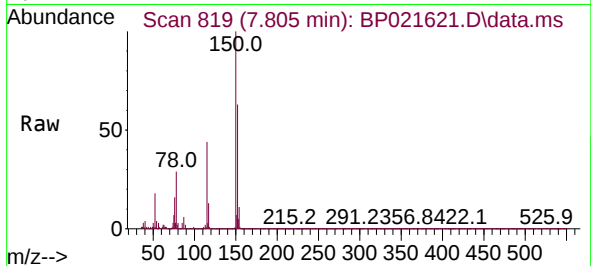




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

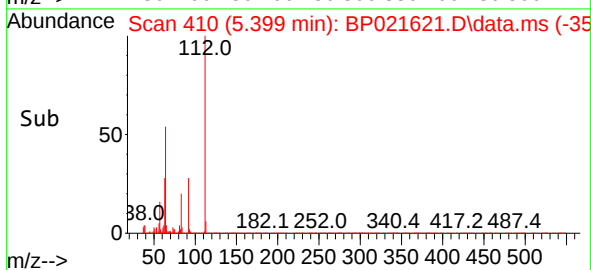
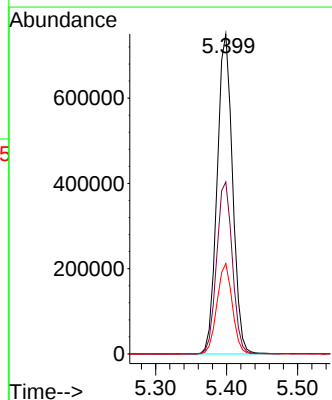
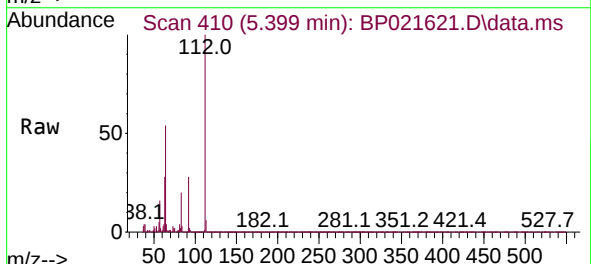
Instrument :
BNA_P
ClientSampleId :
S-903-J-SO-0-0.5-081924

Tgt Ion:152 Resp: 360701
Ion Ratio Lower Upper
152 100
150 158.7 122.4 183.6
115 69.6 54.7 82.1



#5
2-Fluorophenol
Concen: 46.471 ng
RT: 5.399 min Scan# 410
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Tgt Ion:112 Resp: 1128878
Ion Ratio Lower Upper
112 100
64 53.8 49.0 73.6
63 28.3 24.6 36.8

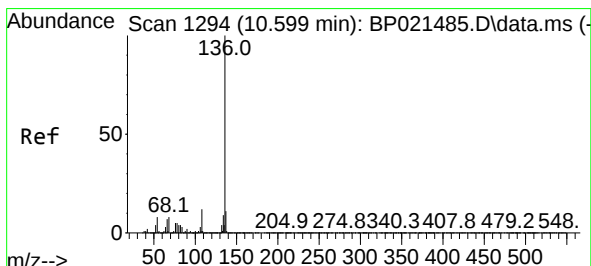
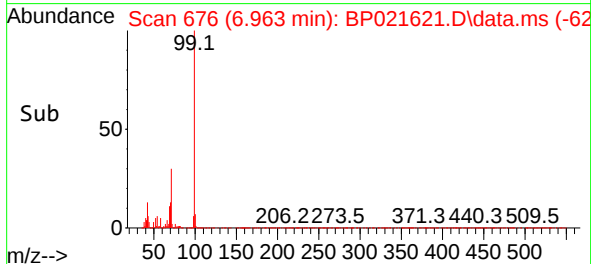
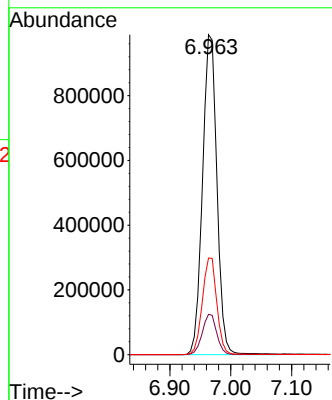
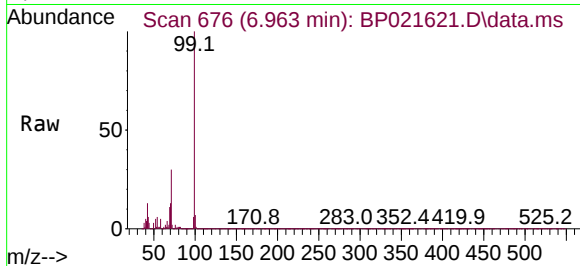




#7
Phenol-d6
Concen: 46.001 ng
RT: 6.963 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

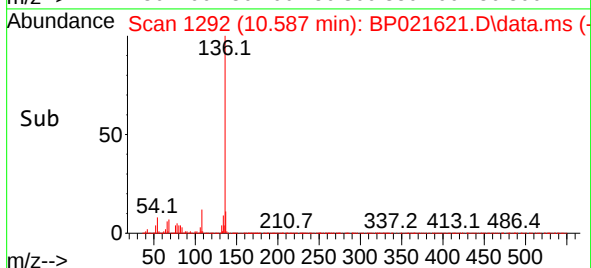
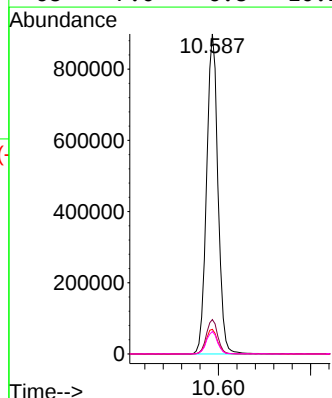
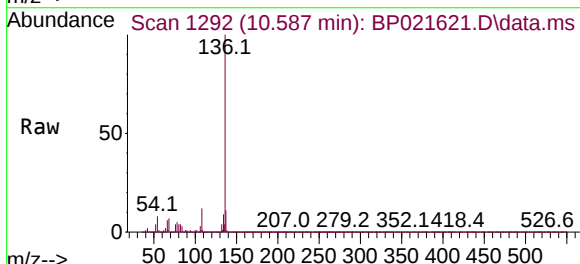
Instrument :
BNA_P
ClientSampleId :
S-903-J-SO-0-0.5-081924

Tgt Ion: 99 Resp: 1630099
Ion Ratio Lower Upper
99 100
42 12.6 10.2 15.4
71 30.2 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Tgt Ion:136 Resp: 1546563
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.7 6.3 9.5
68 7.0 6.8 10.2

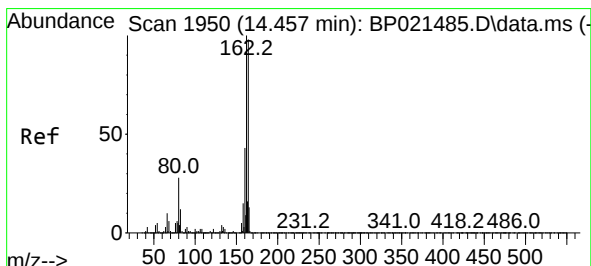
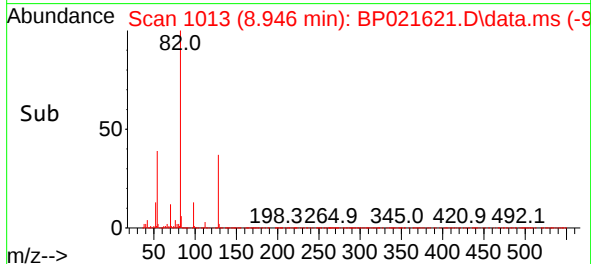
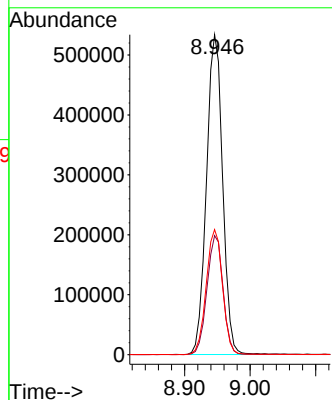
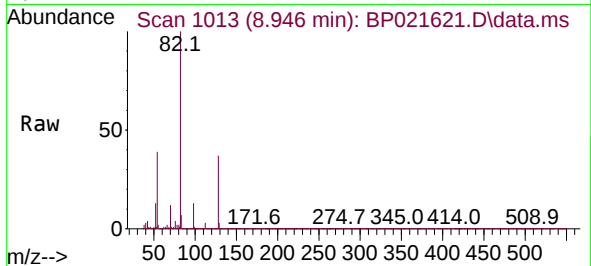




#23
Nitrobenzene-d5
Concen: 30.551 ng
RT: 8.946 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

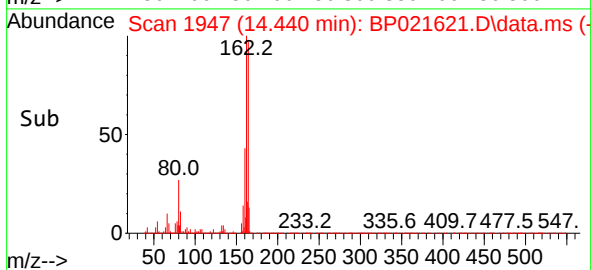
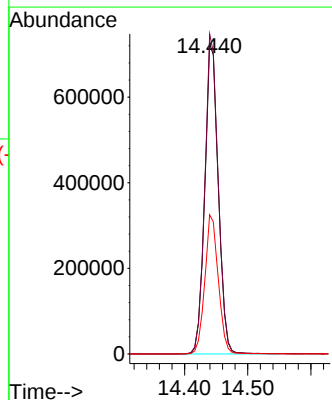
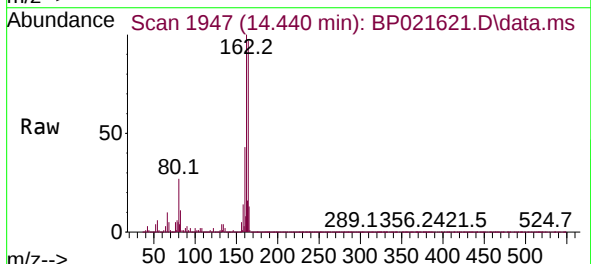
Instrument :
BNA_P
ClientSampleId :
S-903-J-SO-0-0.5-081924

Tgt Ion: 82 Resp: 915399
Ion Ratio Lower Upper
82 100
128 37.2 26.5 39.7
54 39.1 30.3 45.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.440 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Tgt Ion: 164 Resp: 1075680
Ion Ratio Lower Upper
164 100
162 103.1 81.5 122.3
160 44.8 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 43.170 ng

RT: 15.957 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP021621.D

Acq: 22 Aug 2024 20:06

Instrument :

BNA_P

ClientSampleId :

S-903-J-SO-0-0.5-081924

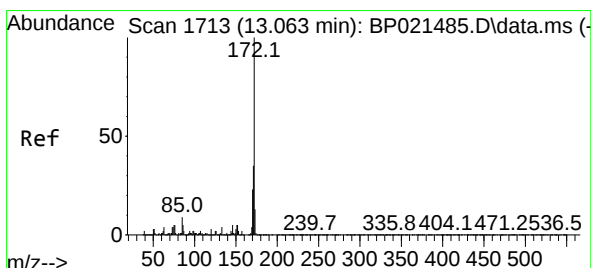
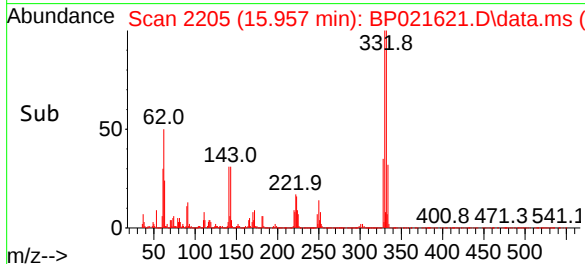
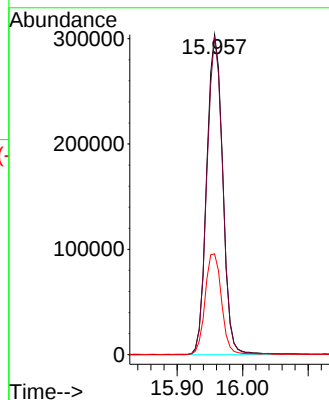
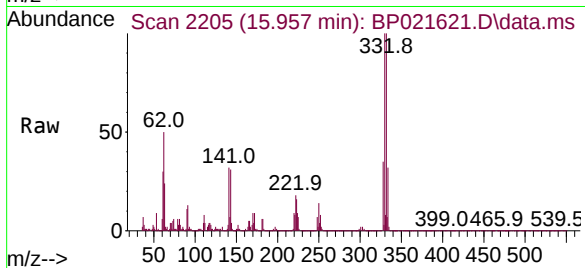
Tgt Ion:330 Resp: 516823

Ion Ratio Lower Upper

330 100

332 97.8 77.4 116.0

141 32.1 24.5 36.7



#45

2-Fluorobiphenyl

Concen: 17.627 ng

RT: 13.057 min Scan# 1712

Delta R.T. 0.006 min

Lab File: BP021621.D

Acq: 22 Aug 2024 20:06

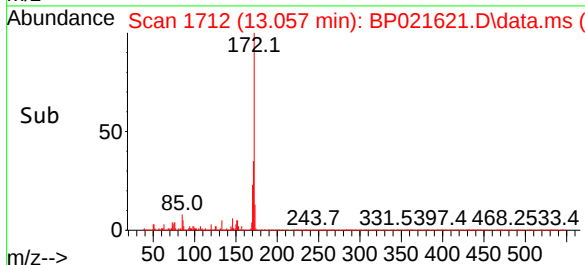
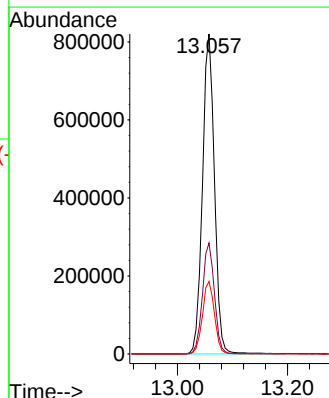
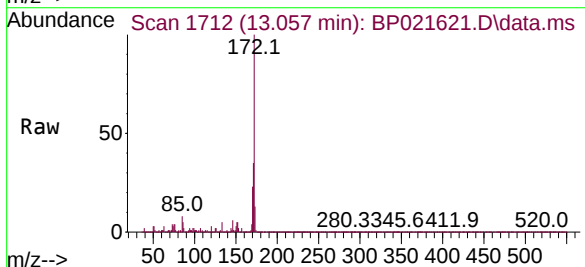
Tgt Ion:172 Resp: 1242392

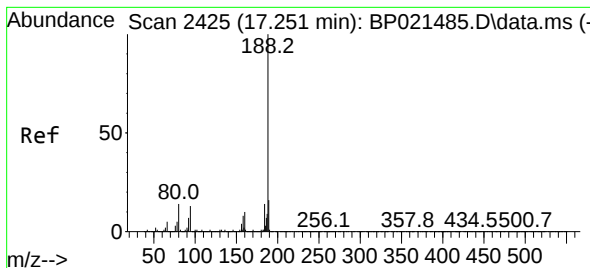
Ion Ratio Lower Upper

172 100

171 34.7 28.2 42.4

170 22.7 18.4 27.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.245 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BP021621.D

Acq: 22 Aug 2024 20:06

Instrument :

BNA_P

ClientSampleId :

S-903-J-SO-0-0.5-081924

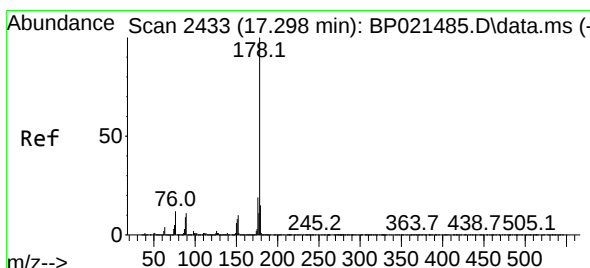
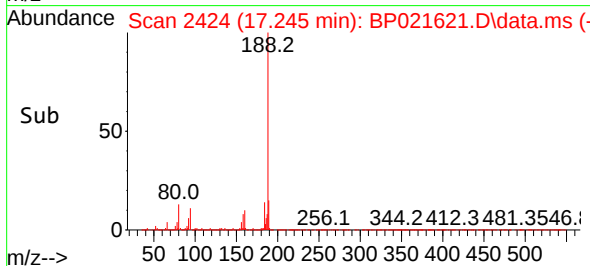
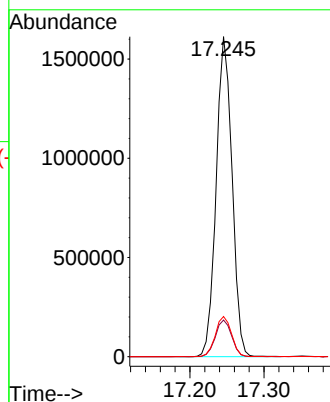
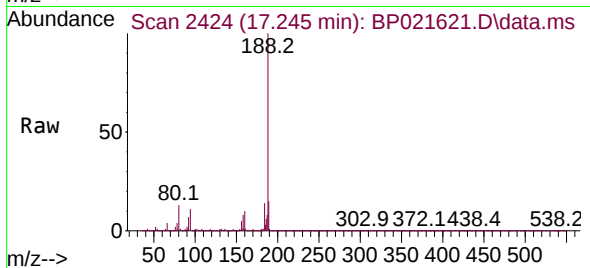
Tgt Ion:188 Resp: 2395933

Ion Ratio Lower Upper

188 100

94 11.4 10.2 15.4

80 12.5 11.6 17.4



#71

Phenanthrene

Concen: 31.681 ng

RT: 17.292 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BP021621.D

Acq: 22 Aug 2024 20:06

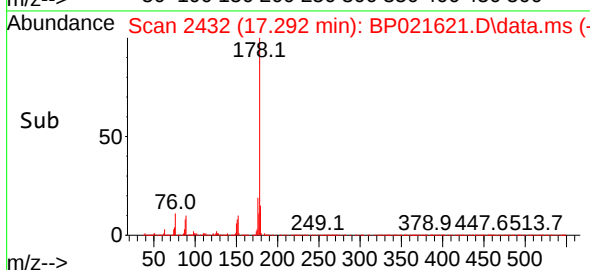
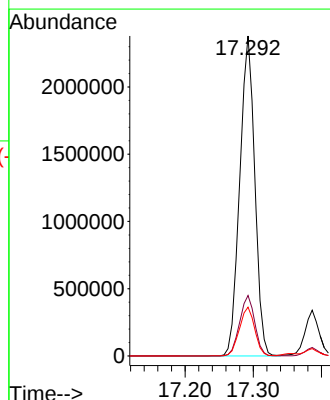
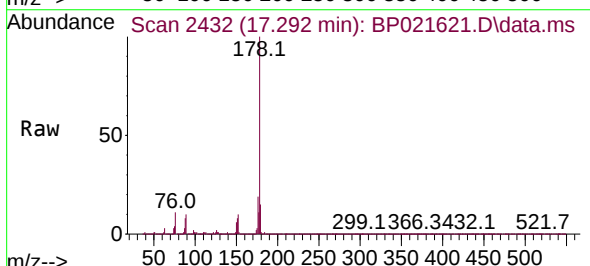
Tgt Ion:178 Resp: 3650463

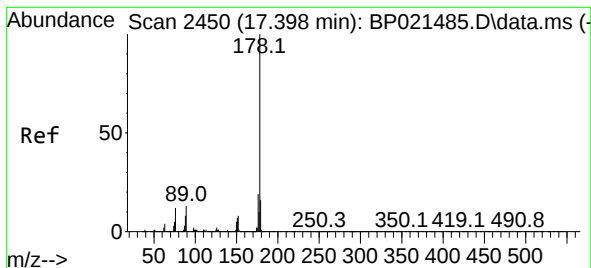
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

179 15.2 12.4 18.6





#72

Anthracene

Concen: 4.183 ng

RT: 17.386 min Scan# 2448

Delta R.T. -0.000 min

Lab File: BP021621.D

Acq: 22 Aug 2024 20:06

Instrument :

BNA_P

ClientSampleId :

S-903-J-SO-0-0.5-081924

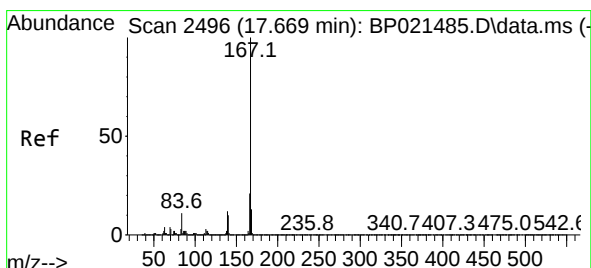
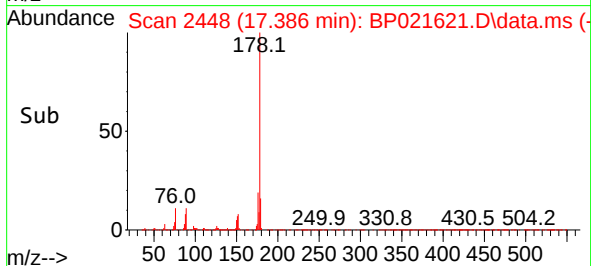
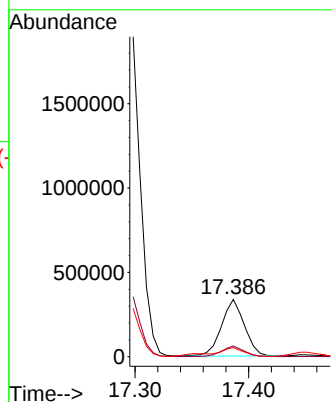
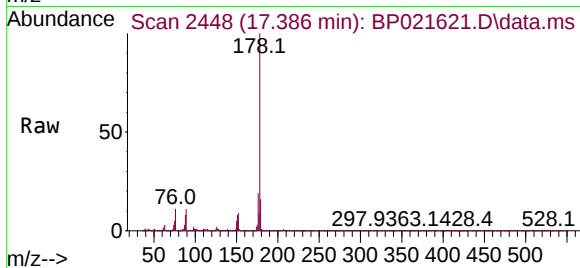
Tgt Ion:178 Resp: 472712

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

179 16.1 12.5 18.7



#73

Carbazole

Concen: 2.861 ng

RT: 17.663 min Scan# 2495

Delta R.T. -0.000 min

Lab File: BP021621.D

Acq: 22 Aug 2024 20:06

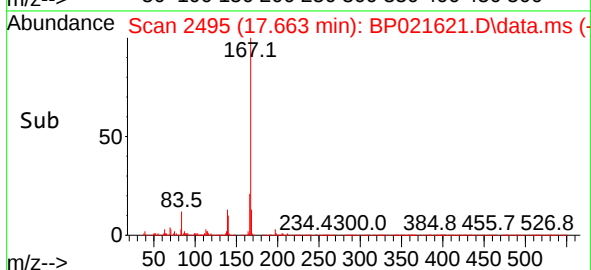
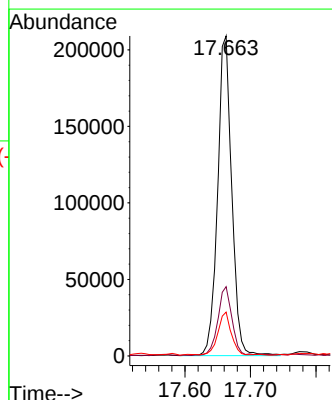
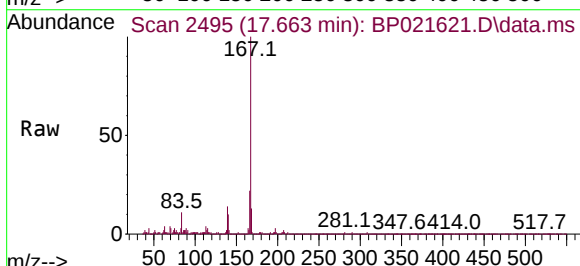
Tgt Ion:167 Resp: 311582

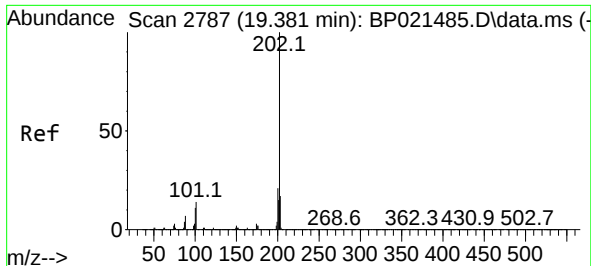
Ion Ratio Lower Upper

167 100

166 21.7 17.0 25.4

139 13.7 9.9 14.9

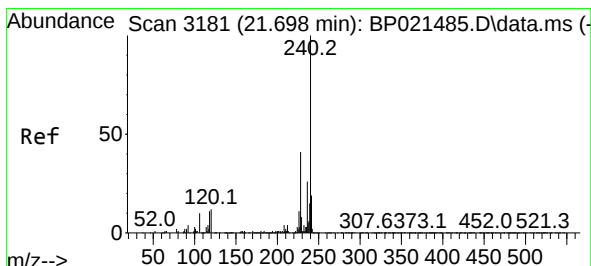
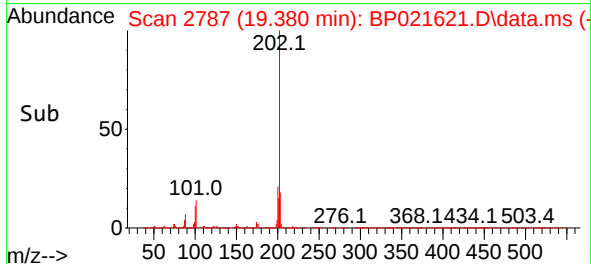
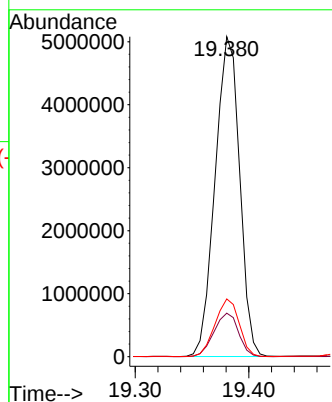
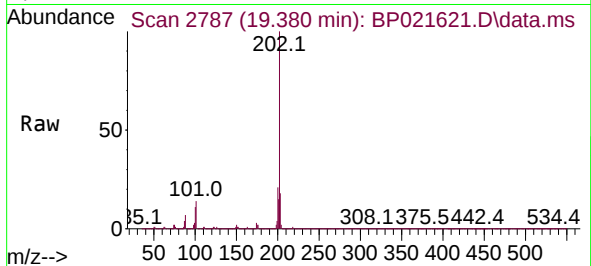




#75
Fluoranthene
Concen: 53.956 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

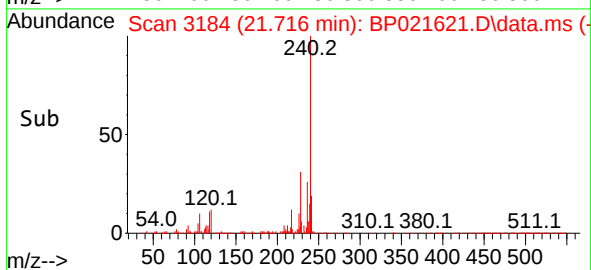
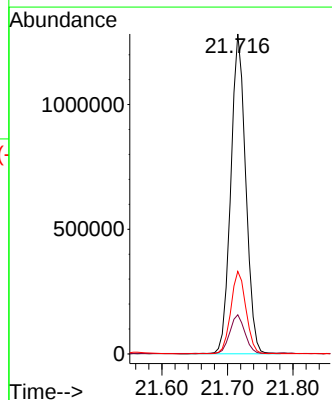
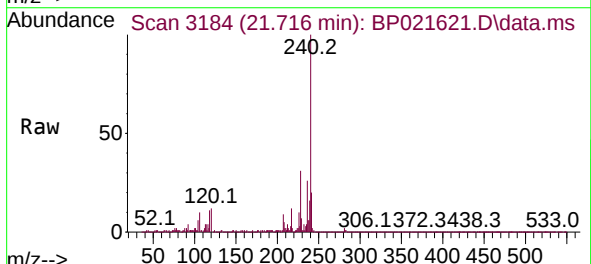
Instrument :
BNA_P
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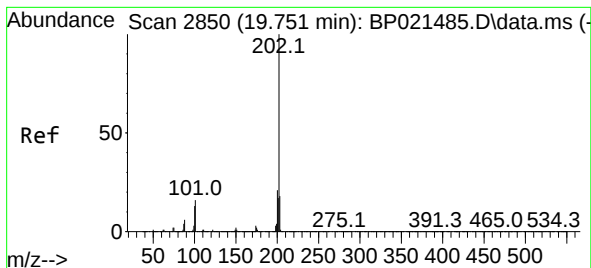
Tgt Ion:202 Resp: 7628233
Ion Ratio Lower Upper
202 100
101 13.6 0.0 34.0
203 18.1 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.716 min Scan# 3184
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Tgt Ion:240 Resp: 2027364
Ion Ratio Lower Upper
240 100
120 12.2 9.9 14.9
236 25.8 20.6 30.8





#78

Pyrene

Concen: 44.221 ng

RT: 19.757 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP021621.D

Acq: 22 Aug 2024 20:06

Instrument :

BNA_P

ClientSampleId :

S-903-J-SO-0-0.5-081924

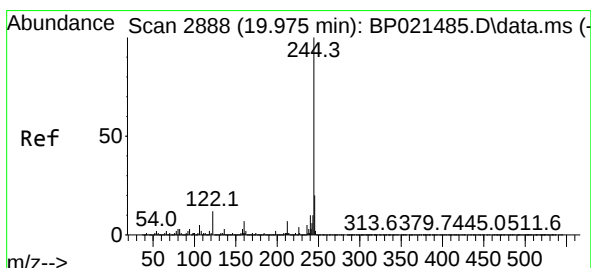
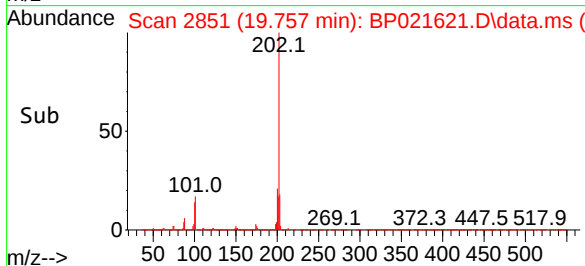
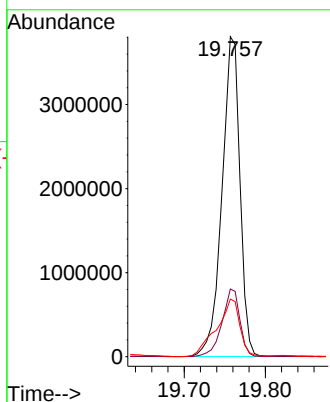
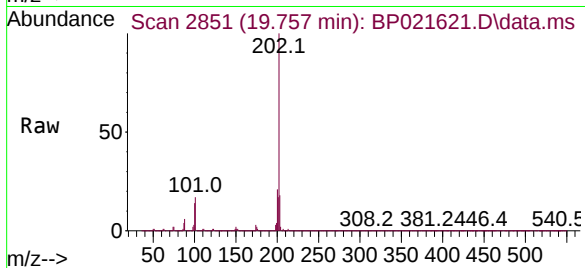
Tgt Ion:202 Resp: 5859772

Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 18.0 14.1 21.1



#79

Terphenyl-d14

Concen: 21.890 ng

RT: 19.969 min Scan# 2887

Delta R.T. -0.006 min

Lab File: BP021621.D

Acq: 22 Aug 2024 20:06

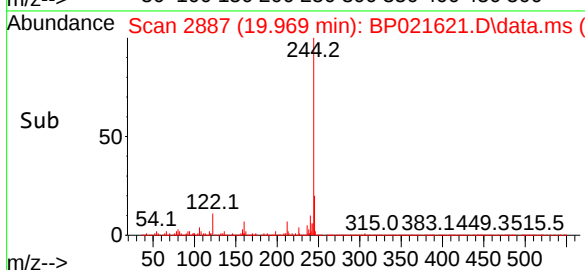
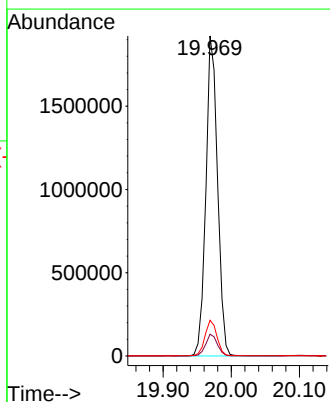
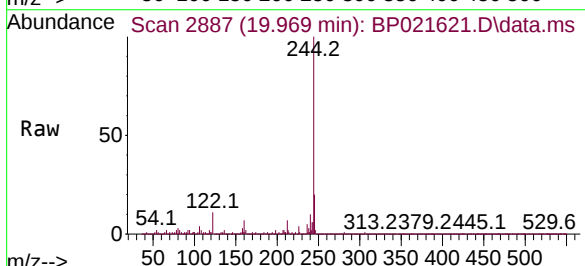
Tgt Ion:244 Resp: 2284318

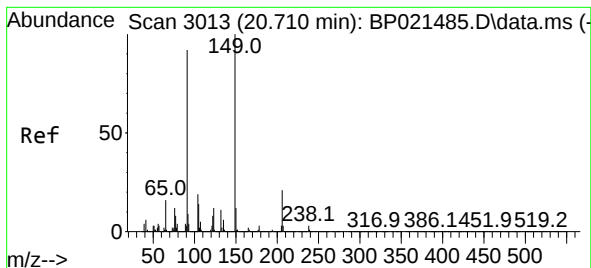
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 11.1 9.4 14.2





#80

Butylbenzylphthalate

Concen: 4.116 ng

RT: 20.710 min Scan# 3013

Delta R.T. -0.000 min

Lab File: BP021621.D

Acq: 22 Aug 2024 20:06

Instrument :

BNA_P

ClientSampleId :

S-903-J-SO-0-0.5-081924

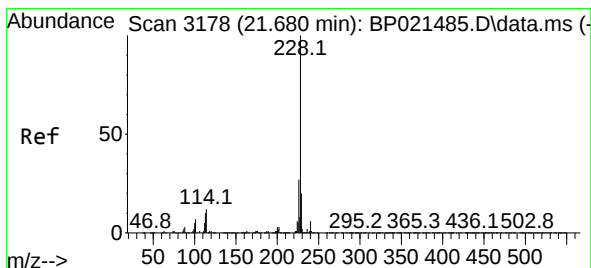
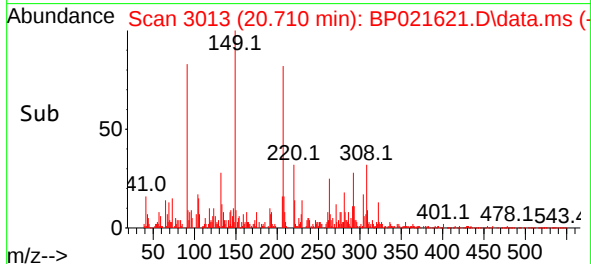
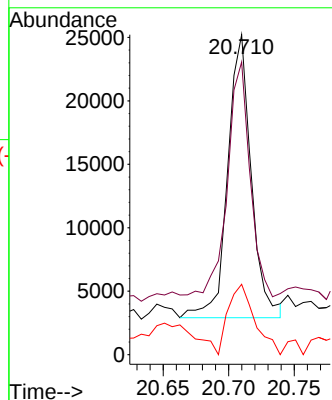
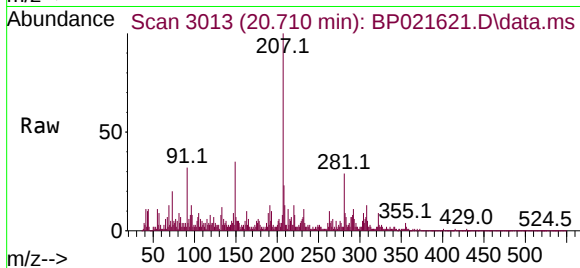
Tgt Ion:149 Resp: 27904

Ion Ratio Lower Upper

149 100

91 91.5 73.3 109.9

206 22.0 17.1 25.7



#81

Benzo(a)anthracene

Concen: 20.959 ng

RT: 21.698 min Scan# 3181

Delta R.T. -0.000 min

Lab File: BP021621.D

Acq: 22 Aug 2024 20:06

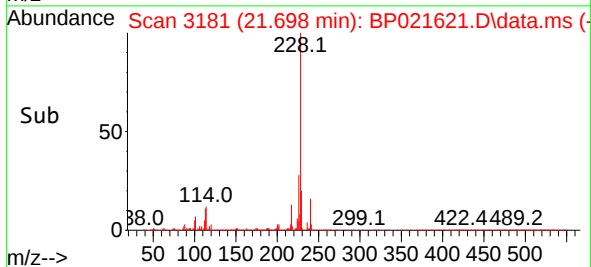
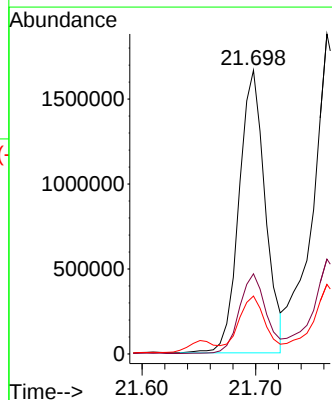
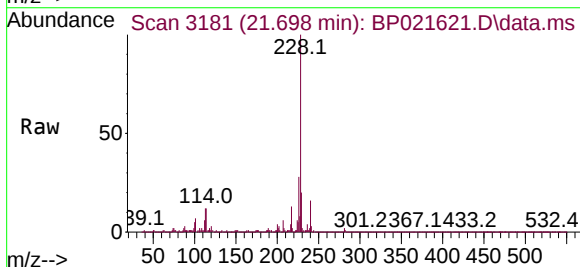
Tgt Ion:228 Resp: 2667422

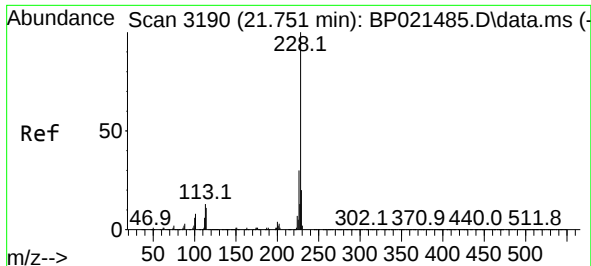
Ion Ratio Lower Upper

228 100

226 28.3 21.4 32.2

229 20.4 15.8 23.6





#83

Chrysene

Concen: 25.449 ng

RT: 21.763 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP021621.D

Acq: 22 Aug 2024 20:06

Instrument :

BNA_P

ClientSampleId :

S-903-J-SO-0-0.5-081924

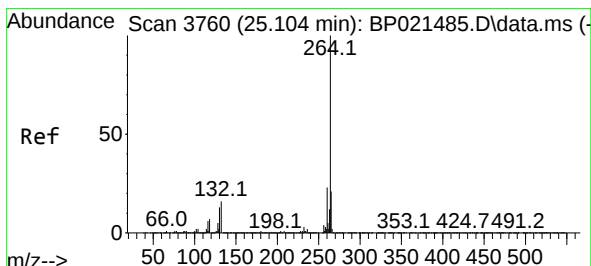
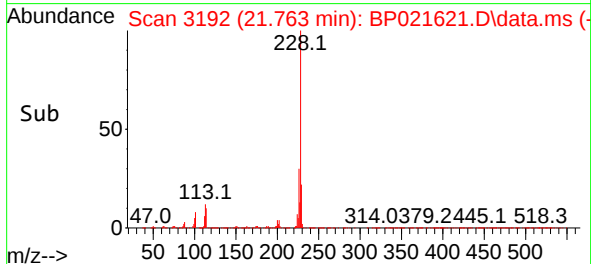
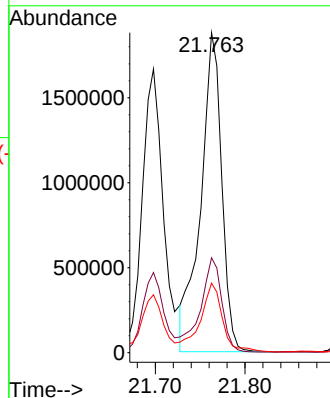
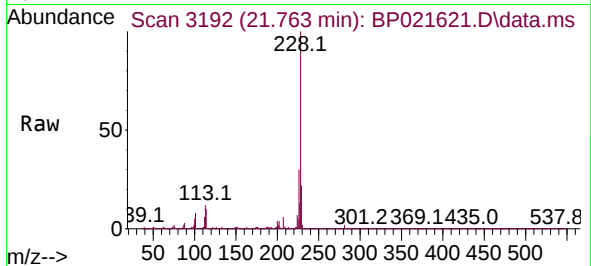
Tgt Ion:228 Resp: 3058021

Ion Ratio Lower Upper

228 100

226 29.7 23.9 35.9

229 21.8 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.151 min Scan# 3768

Delta R.T. -0.000 min

Lab File: BP021621.D

Acq: 22 Aug 2024 20:06

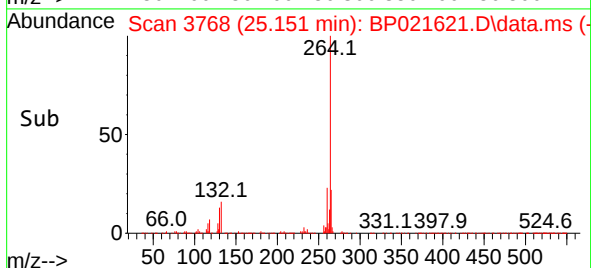
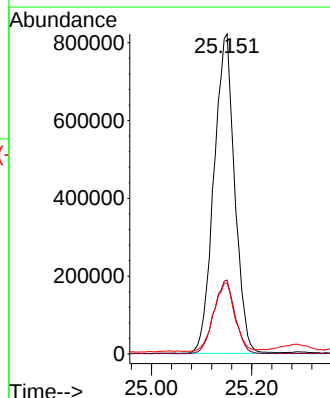
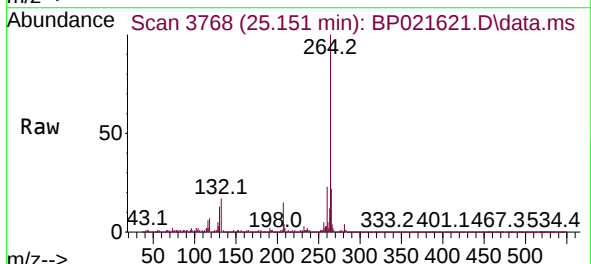
Tgt Ion:264 Resp: 2358797

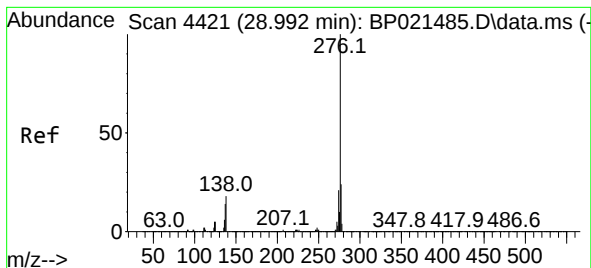
Ion Ratio Lower Upper

264 100

260 23.1 18.6 28.0

265 22.3 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.147 ng

RT: 29.051 min Scan# 44

Delta R.T. -0.006 min

Lab File: BP021621.D

Acq: 22 Aug 2024 20:06

Instrument :

BNA_P

ClientSampleId :

S-903-J-SO-0-0.5-081924

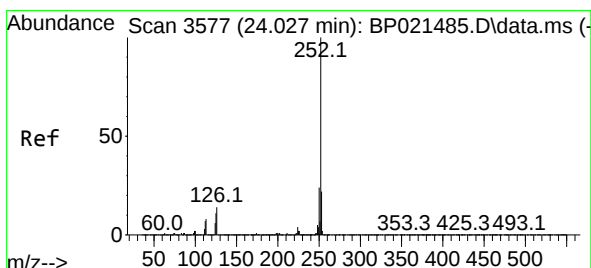
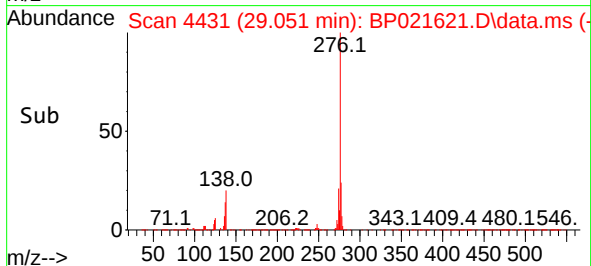
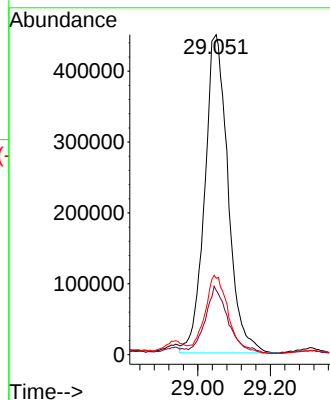
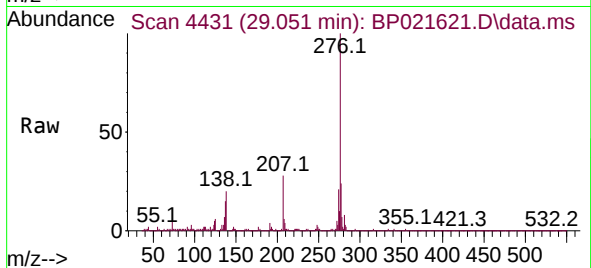
Tgt Ion:276 Resp: 2010108

Ion Ratio Lower Upper

276 100

138 20.7 12.8 19.2#

277 25.0 16.5 24.7#



#88

Benzo(b)fluoranthene

Concen: 30.392 ng

RT: 24.068 min Scan# 3584

Delta R.T. 0.012 min

Lab File: BP021621.D

Acq: 22 Aug 2024 20:06

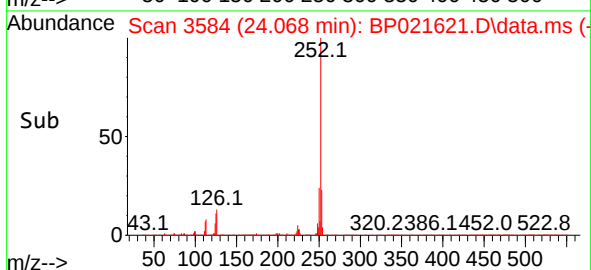
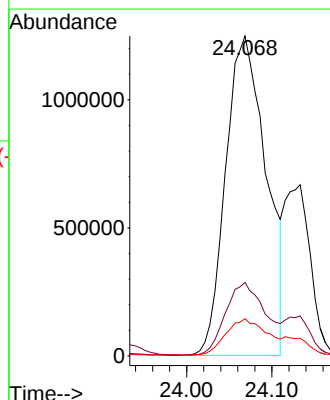
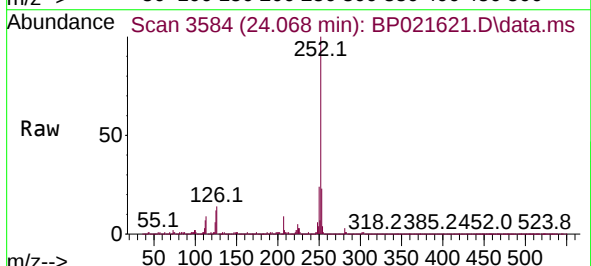
Tgt Ion:252 Resp: 4117274

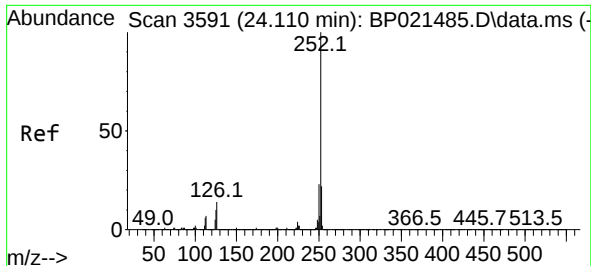
Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 11.7 8.6 13.0

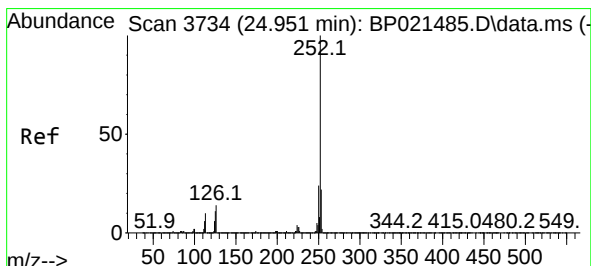
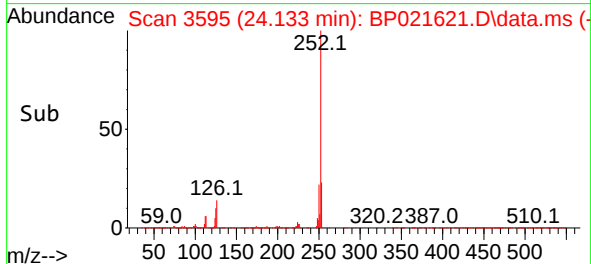
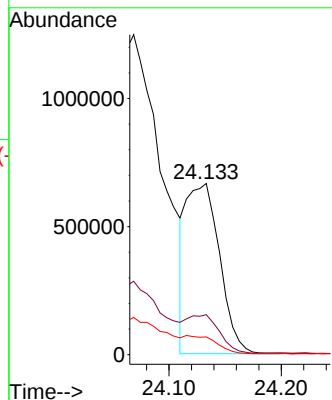
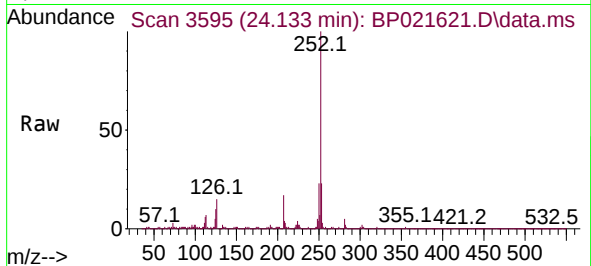




#89
Benzo(k)fluoranthene
Concen: 10.396 ng m
RT: 24.133 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

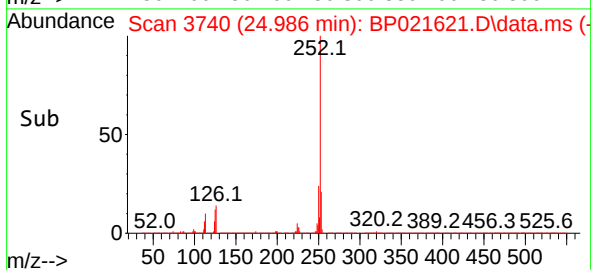
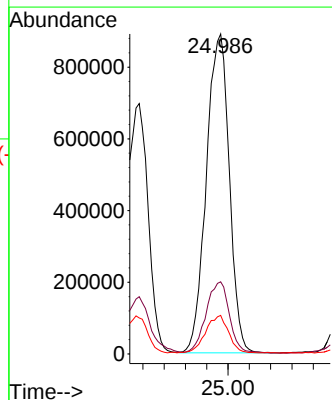
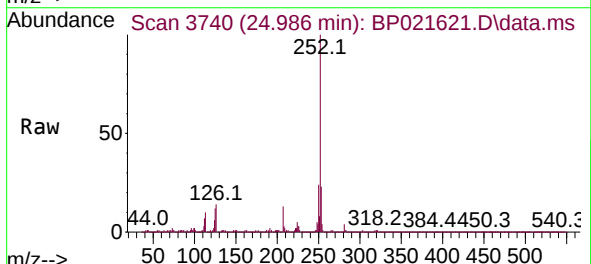
Instrument :
BNA_P
ClientSampleId :
S-903-J-SO-0-0.5-081924

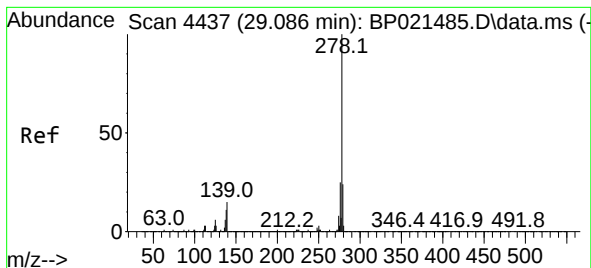
Tgt Ion:252 Resp: 1373839
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 10.4 7.8 11.8



#90
Benzo(a)pyrene
Concen: 22.634 ng
RT: 24.986 min Scan# 3740
Delta R.T. 0.006 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Tgt Ion:252 Resp: 2660944
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 12.1 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 3.861 ng

RT: 29.115 min Scan# 4437

Delta R.T. -0.018 min

Lab File: BP021621.D

Acq: 22 Aug 2024 20:06

Instrument :

BNA_P

ClientSampleId :

S-903-J-SO-0-0.5-081924

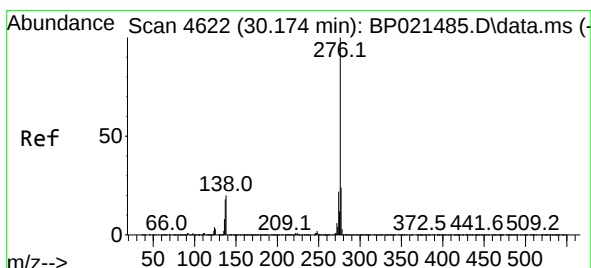
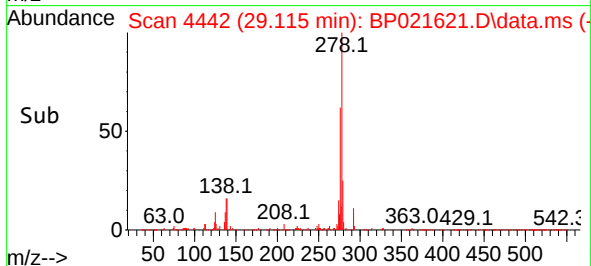
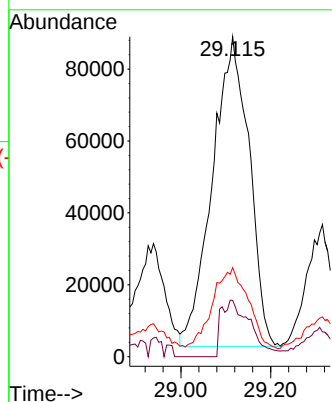
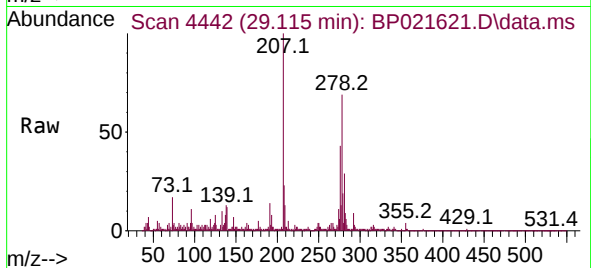
Tgt Ion:278 Resp: 490549

Ion Ratio Lower Upper

278 100

139 17.6 12.2 18.4

279 27.8 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 14.729 ng

RT: 30.250 min Scan# 4635

Delta R.T. -0.012 min

Lab File: BP021621.D

Acq: 22 Aug 2024 20:06

Tgt Ion:276 Resp: 1875557

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.6

138 20.3 16.0 24.0

