

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033022\
 Data File : BP009622.D
 Acq On : 30 Mar 2022 17:06
 Operator : CG/JU
 Sample : N2107-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SS1

Quant Time: Mar 31 04:40:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 31 04:36:51 2022
 Response via : Initial Calibration

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

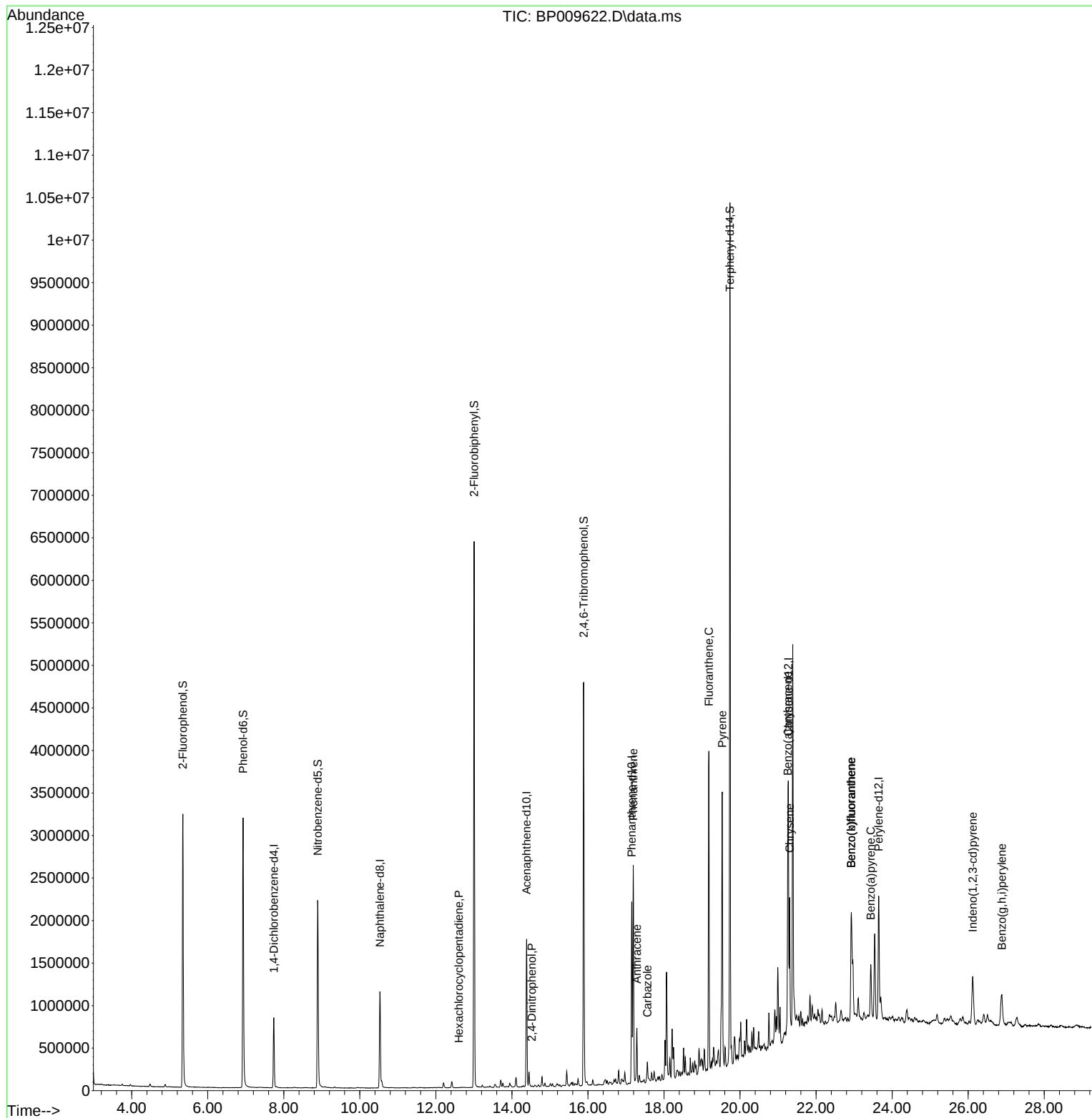
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	263331	20.000	ng	0.00
21) Naphthalene-d8	10.528	136	1075750	20.000	ng	0.00
39) Acenaphthene-d10	14.386	164	659917	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	1347681	20.000	ng	0.00
76) Chrysene-d12	21.268	240	1092304	20.000	ng	# 0.00
86) Perylene-d12	23.645	264	1199981	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1711295	113.462	ng	0.00
7) Phenol-d6	6.928	99	2252129	110.415	ng	0.00
23) Nitrobenzene-d5	8.893	82	1493540	73.779	ng	0.00
42) 2,4,6-Tribromophenol	15.886	330	1090202	100.112	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	3584457	75.299	ng	0.00
79) Terphenyl-d14	19.733	244	5222534	85.817	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.863	77	152	Below Cal	#	58
41) Hexachlorocyclopentadiene	12.604	237	17	7.290	ng	87
54) 2,4-Dinitrophenol	14.522	184	49	4.540	ng	# 1
71) Phenanthrene	17.192	178	1660320	23.015	ng	99
72) Anthracene	17.286	178	416855	5.852	ng	99
73) Carbazole	17.563	167	161545	2.319	ng	98
75) Fluoranthene	19.180	202	2360633	27.029	ng	98
78) Pyrene	19.533	202	2155922	29.953	ng	100
81) Benzo(a)anthracene	21.257	228	1109457	15.460	ng	99
83) Chrysene	21.304	228	914417	13.456	ng	97
87) Indeno(1,2,3-cd)pyrene	26.121	276	587850	6.457	ng	# 91
88) Benzo(b)fluoranthene	22.927	252	1220151	17.033	ng	99
89) Benzo(k)fluoranthene	22.927	252	1220151	17.396	ng	98
90) Benzo(a)pyrene	23.439	252	520782	8.497	ng	97
92) Benzo(g,h,i)perylene	26.886	276	558771	7.486	ng	# 92

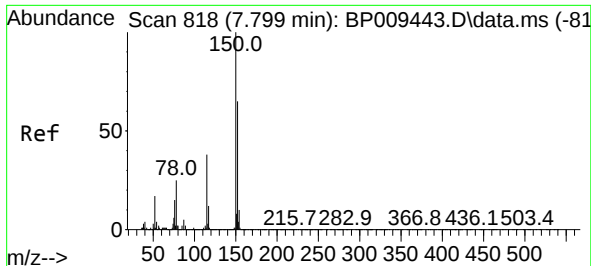
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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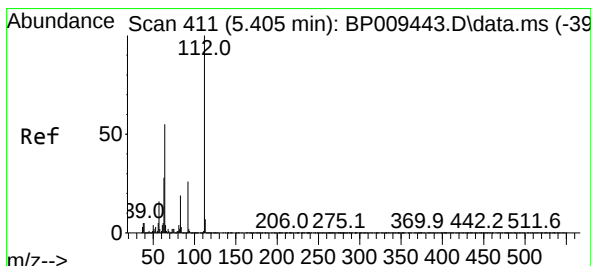
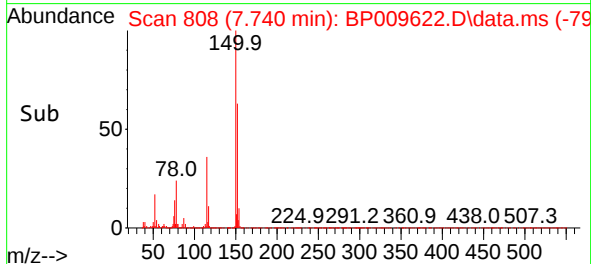
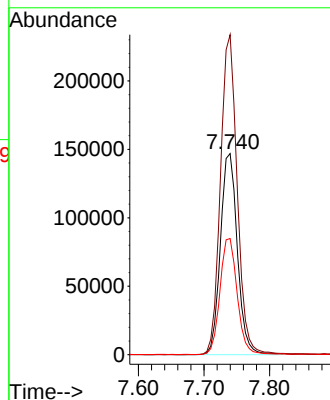
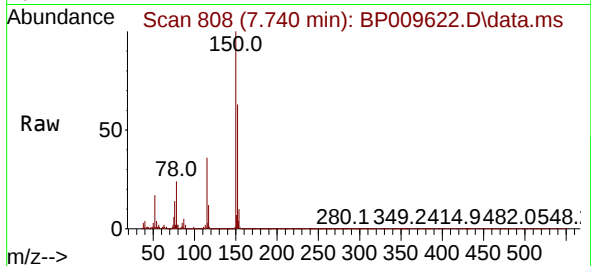




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP009622.D
Acq: 30 Mar 2022 17:06

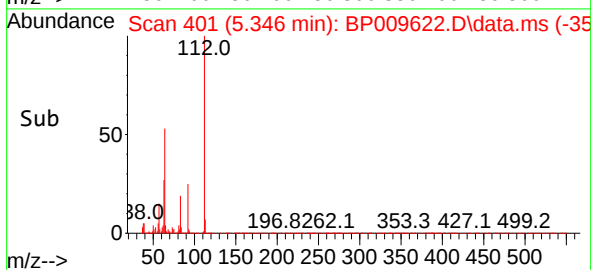
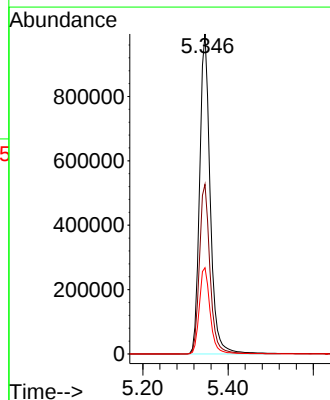
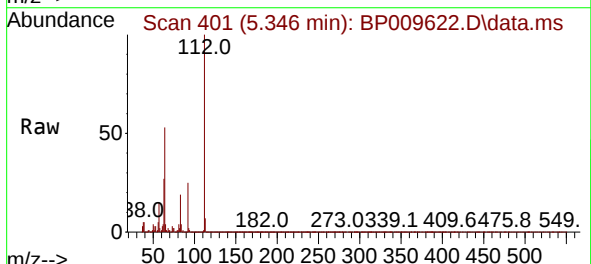
Instrument :
BNA_P
ClientSampleId :
SS1

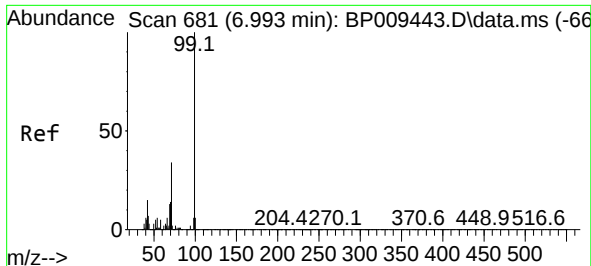
Tgt Ion:152 Resp: 263331
Ion Ratio Lower Upper
152 100
150 159.1 124.5 186.7
115 57.7 48.2 72.4



#5
2-Fluorophenol
Concen: 113.462 ng
RT: 5.346 min Scan# 401
Delta R.T. -0.000 min
Lab File: BP009622.D
Acq: 30 Mar 2022 17:06

Tgt Ion:112 Resp: 1711295
Ion Ratio Lower Upper
112 100
64 53.0 45.0 67.4
63 27.0 23.0 34.6

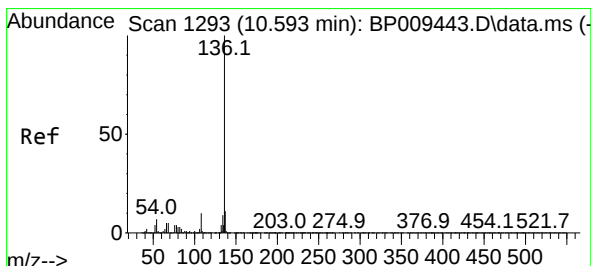
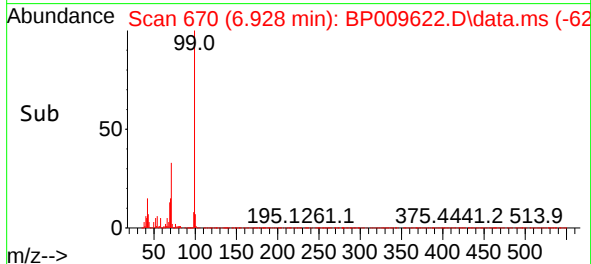
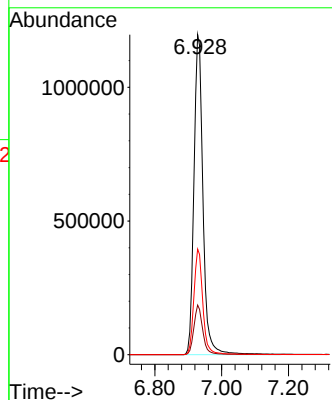
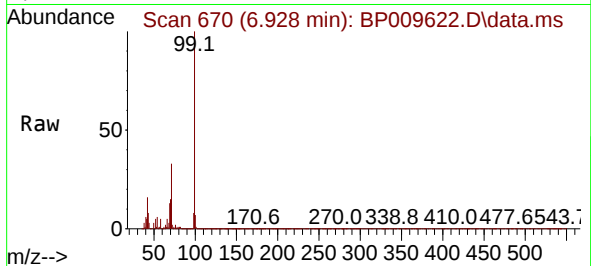




#7
Phenol-d6
Concen: 110.415 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009622.D
Acq: 30 Mar 2022 17:06

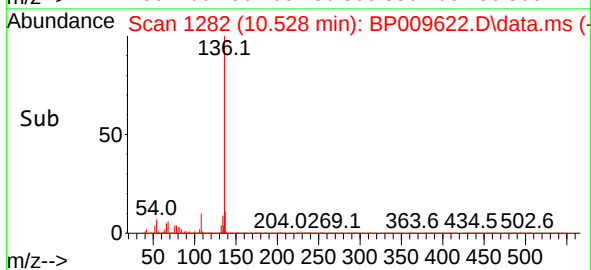
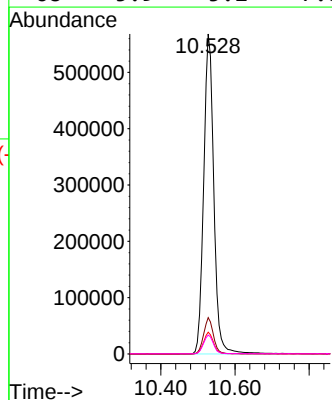
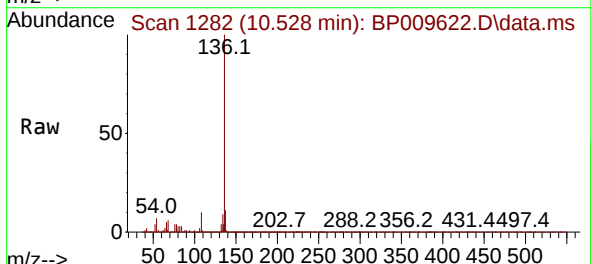
Instrument :
BNA_P
ClientSampleId :
SS1

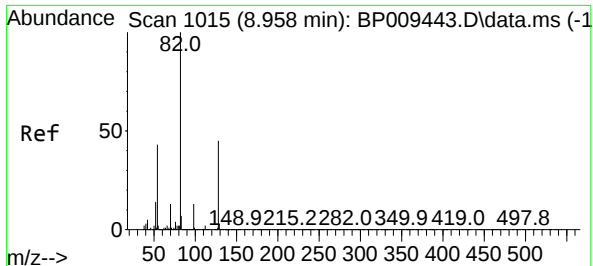
Tgt Ion: 99 Resp: 2252129
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 33.0 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.528 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BP009622.D
Acq: 30 Mar 2022 17:06

Tgt Ion: 136 Resp: 1075750
Ion Ratio Lower Upper
136 100
137 11.4 8.6 12.8
54 6.8 5.8 8.8
68 5.9 5.2 7.8





#23

Nitrobenzene-d5

Concen: 73.779 ng

RT: 8.893 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BP009622.D

Acq: 30 Mar 2022 17:06

Instrument :

BNA_P

ClientSampleId :

SS1

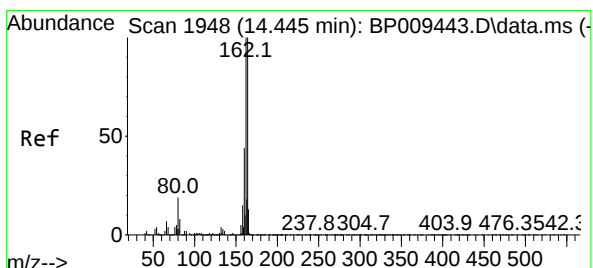
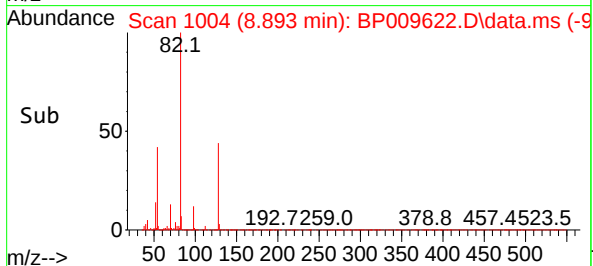
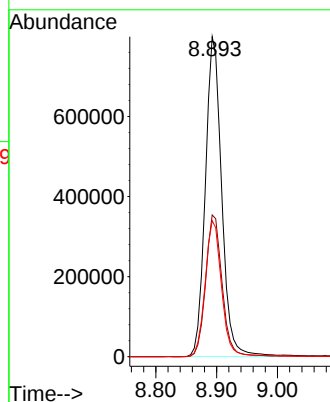
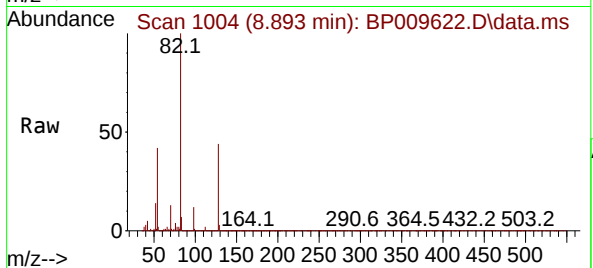
Tgt Ion: 82 Resp: 1493540

Ion Ratio Lower Upper

82 100

128 44.3 34.2 51.4

54 42.5 34.7 52.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.386 min Scan# 1938

Delta R.T. -0.006 min

Lab File: BP009622.D

Acq: 30 Mar 2022 17:06

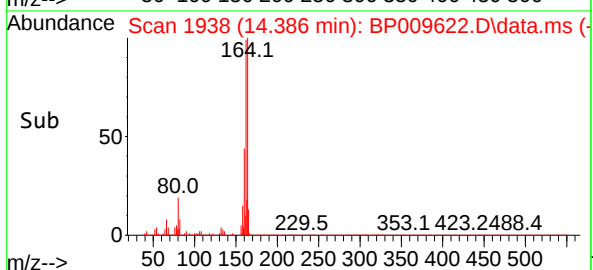
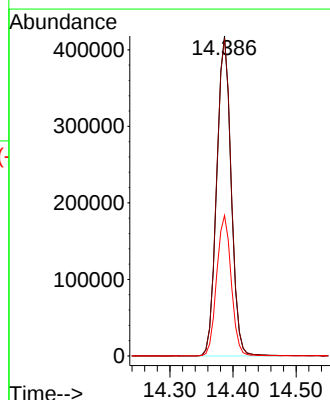
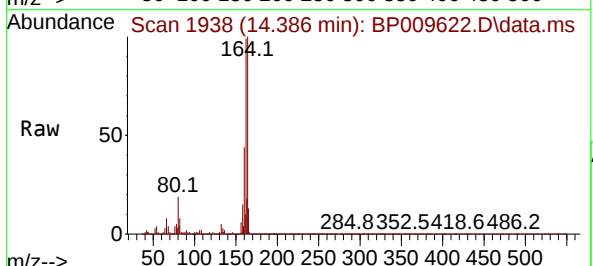
Tgt Ion:164 Resp: 659917

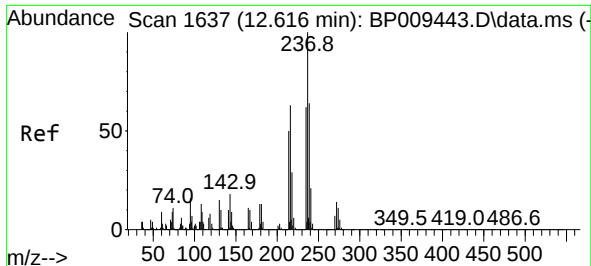
Ion Ratio Lower Upper

164 100

162 99.4 79.1 118.7

160 43.9 34.9 52.3

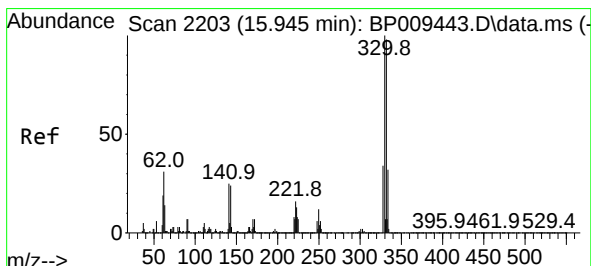
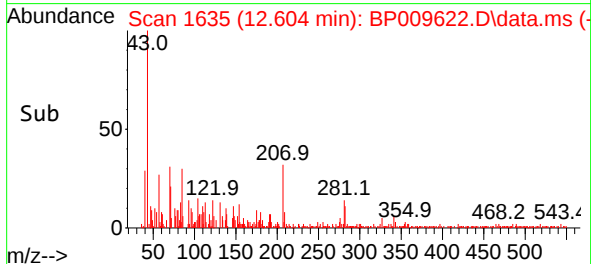
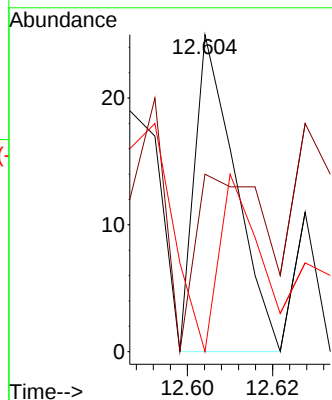
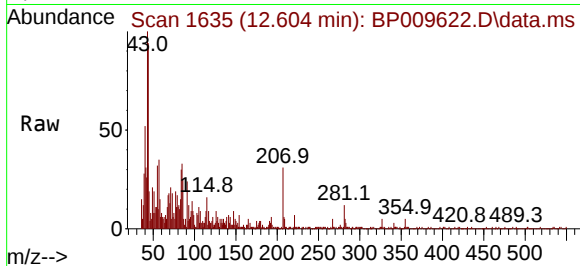




#41
Hexachlorocyclopentadiene
Concen: 7.290 ng
RT: 12.604 min Scan# 1
Delta R.T. 0.047 min
Lab File: BP009622.D
Acq: 30 Mar 2022 17:06

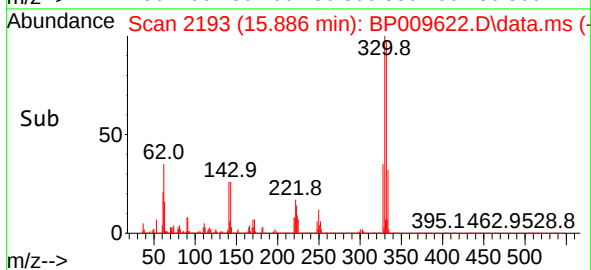
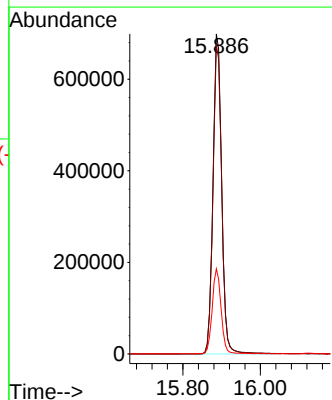
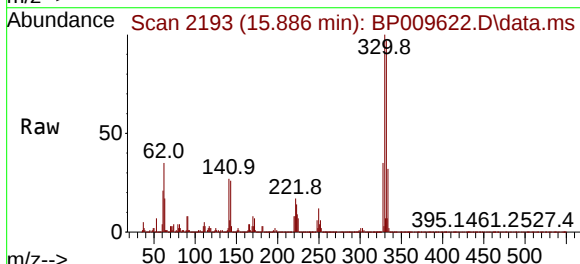
Instrument :
BNA_P
ClientSampleId :
SS1

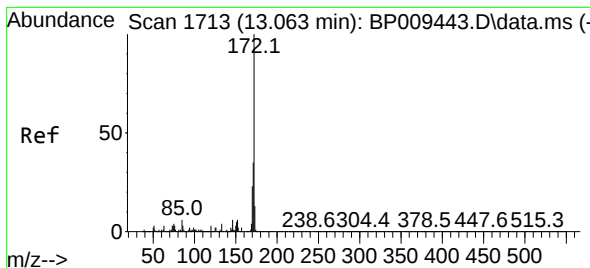
Tgt Ion:237	Resp:	17
Ion Ratio	Lower	Upper
237	100	
235	56.0	42.6 82.6
272	0.0	0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 100.112 ng
RT: 15.886 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BP009622.D
Acq: 30 Mar 2022 17:06

Tgt Ion:330	Resp:	1090202
Ion Ratio	Lower	Upper
330	100	
332	97.1	77.0 115.6
141	27.1	27.6 41.4#





#45

2-Fluorobiphenyl

Concen: 75.299 ng

RT: 13.004 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP009622.D

Acq: 30 Mar 2022 17:06

Instrument :

BNA_P

ClientSampleId :

SS1

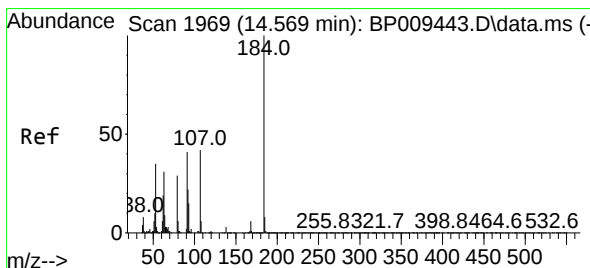
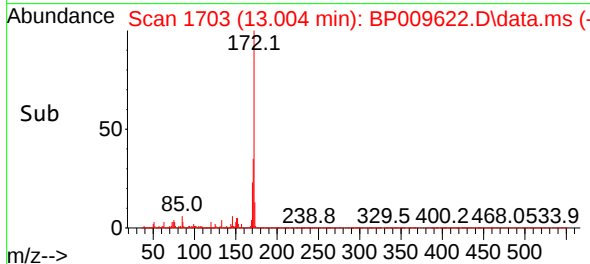
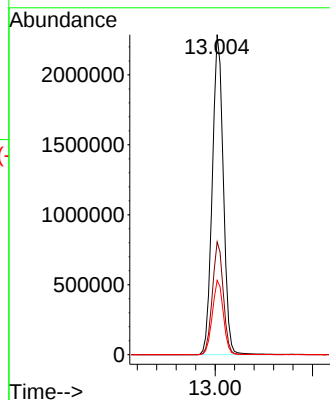
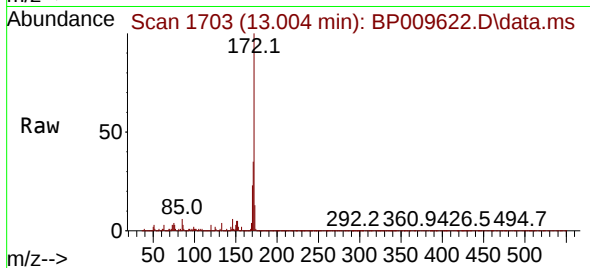
Tgt Ion:172 Resp: 3584457

Ion Ratio Lower Upper

172 100

171 35.2 28.0 42.0

170 23.2 18.6 27.8



#54

2,4-Dinitrophenol

Concen: 4.540 ng

RT: 14.522 min Scan# 1961

Delta R.T. -0.006 min

Lab File: BP009622.D

Acq: 30 Mar 2022 17:06

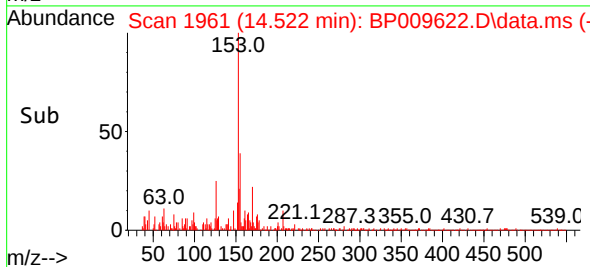
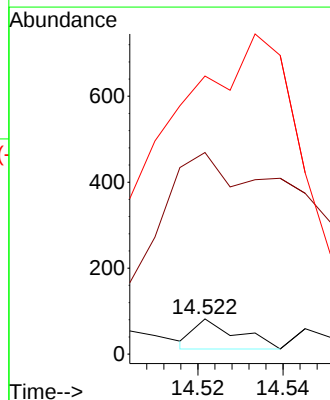
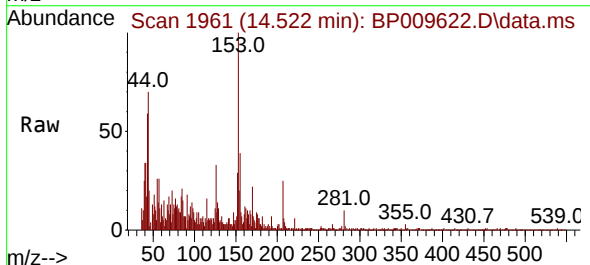
Tgt Ion:184 Resp: 49

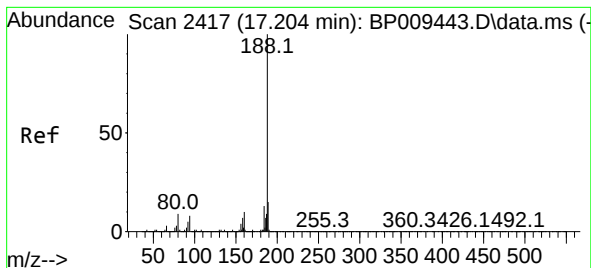
Ion Ratio Lower Upper

184 100

63 572.0 46.3 69.5#

154 789.0 45.8 68.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.151 min Scan# 2417

Delta R.T. -0.006 min

Lab File: BP009622.D

Acq: 30 Mar 2022 17:06

Instrument :

BNA_P

ClientSampleId :

SS1

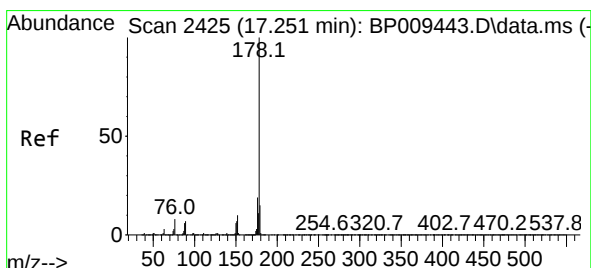
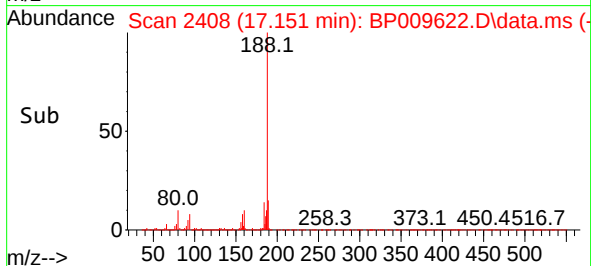
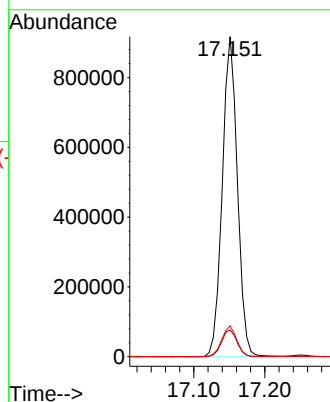
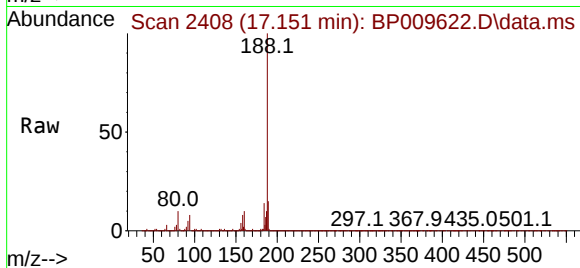
Tgt Ion:188 Resp: 1347681

Ion Ratio Lower Upper

188 100

94 8.4 7.9 11.9

80 9.6 8.8 13.2



#71

Phenanthrene

Concen: 23.015 ng

RT: 17.192 min Scan# 2415

Delta R.T. -0.006 min

Lab File: BP009622.D

Acq: 30 Mar 2022 17:06

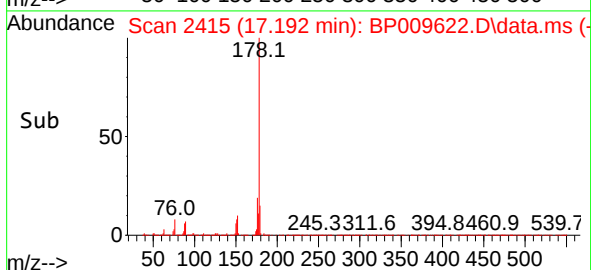
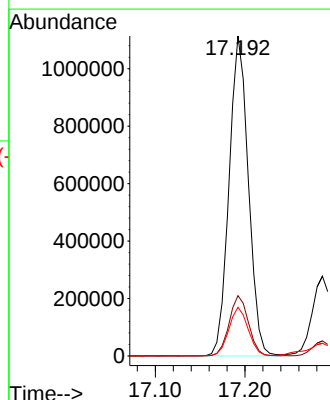
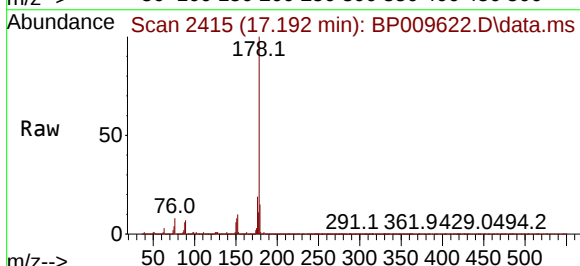
Tgt Ion:178 Resp: 1660320

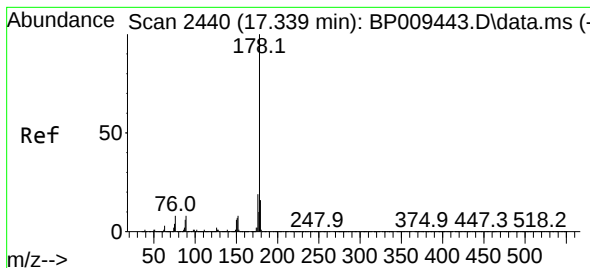
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

179 15.2 12.3 18.5





#72

Anthracene

Concen: 5.852 ng

RT: 17.286 min Scan# 2440

Delta R.T. -0.006 min

Lab File: BP009622.D

Acq: 30 Mar 2022 17:06

Instrument :

BNA_P

ClientSampleId :

SS1

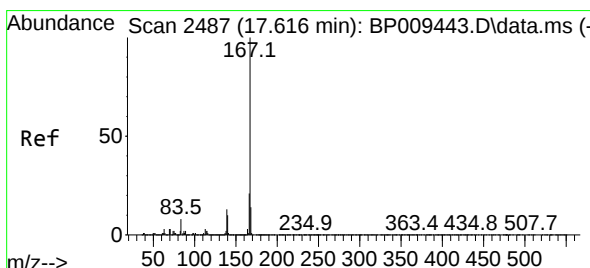
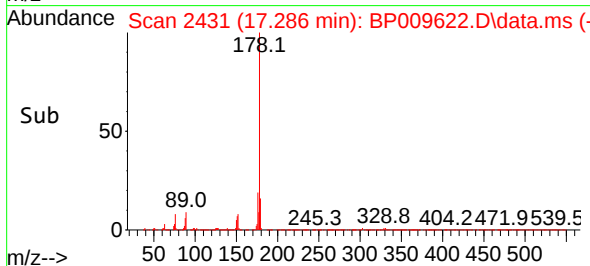
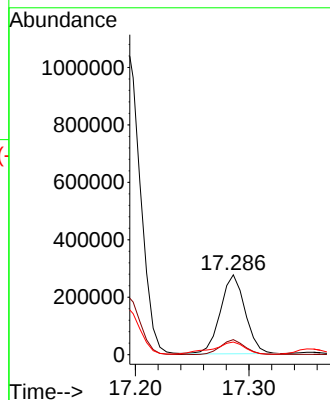
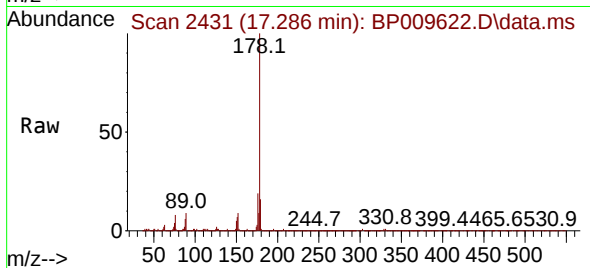
Tgt Ion:178 Resp: 416855

Ion Ratio Lower Upper

178 100

176 18.8 14.8 22.2

179 15.8 12.2 18.4



#73

Carbazole

Concen: 2.319 ng

RT: 17.563 min Scan# 2478

Delta R.T. -0.006 min

Lab File: BP009622.D

Acq: 30 Mar 2022 17:06

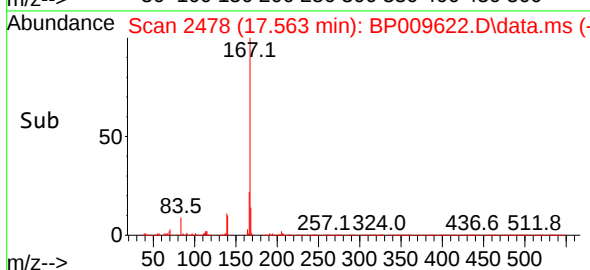
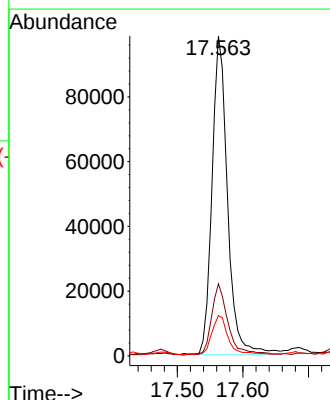
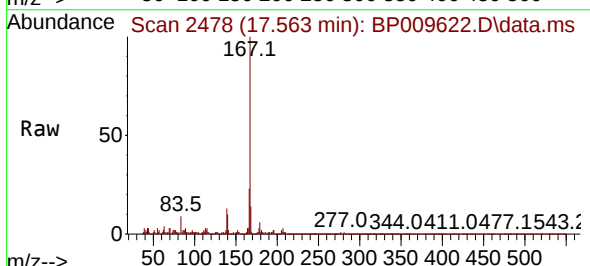
Tgt Ion:167 Resp: 161545

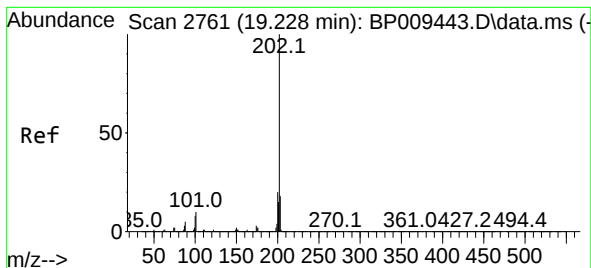
Ion Ratio Lower Upper

167 100

166 22.6 17.2 25.8

139 12.6 10.3 15.5





#75

Fluoranthene

Concen: 27.029 ng

RT: 19.180 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP009622.D

Acq: 30 Mar 2022 17:06

Instrument :

BNA_P

ClientSampleId :

SS1

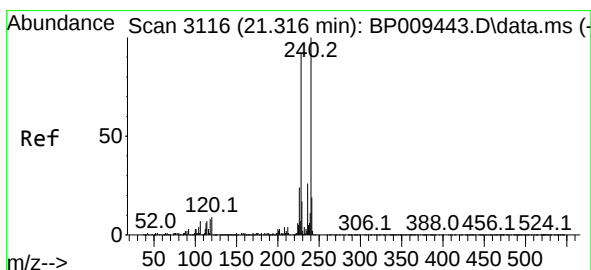
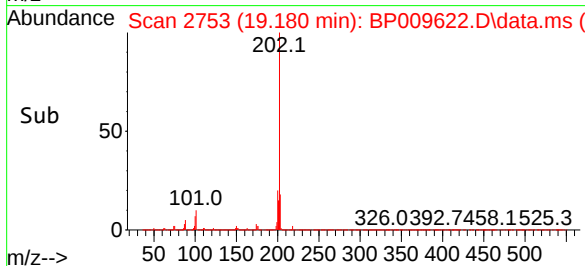
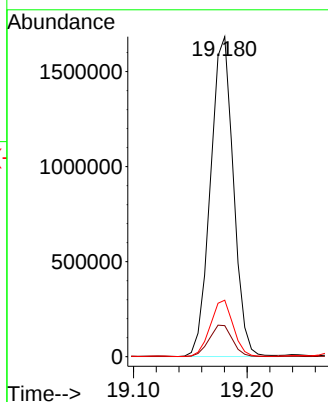
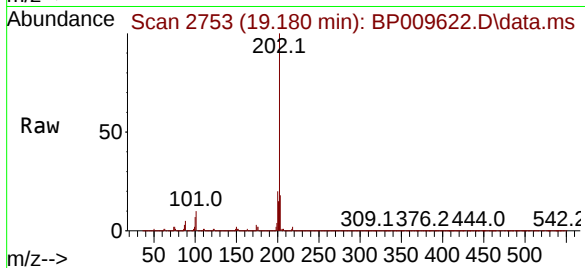
Tgt Ion:202 Resp: 2360633

Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.5

203 17.7 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.268 min Scan# 3108

Delta R.T. -0.006 min

Lab File: BP009622.D

Acq: 30 Mar 2022 17:06

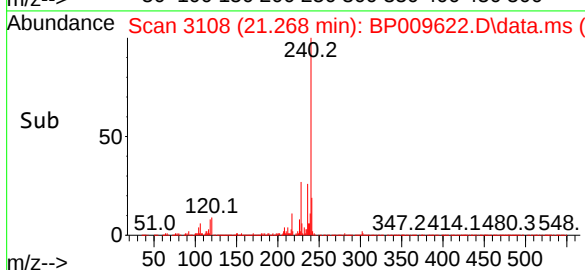
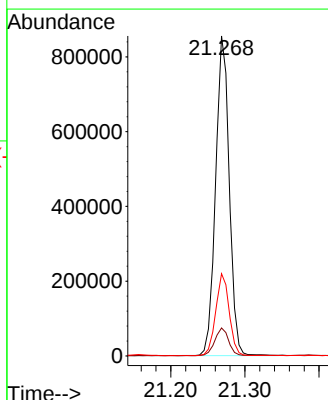
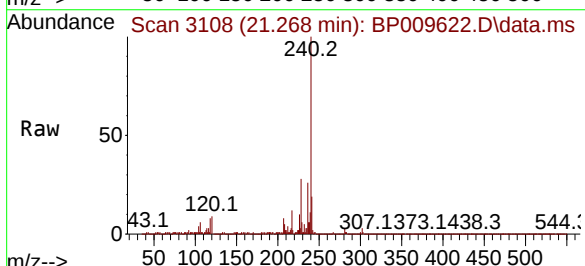
Tgt Ion:240 Resp: 1092304

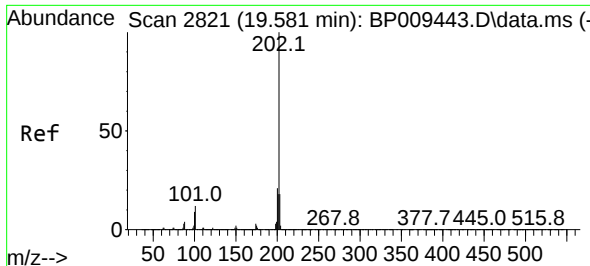
Ion Ratio Lower Upper

240 100

120 8.7 9.0 13.4#

236 25.7 20.6 30.8

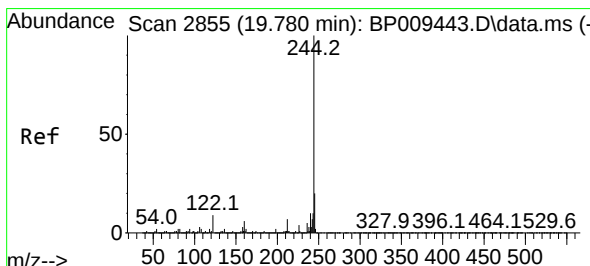
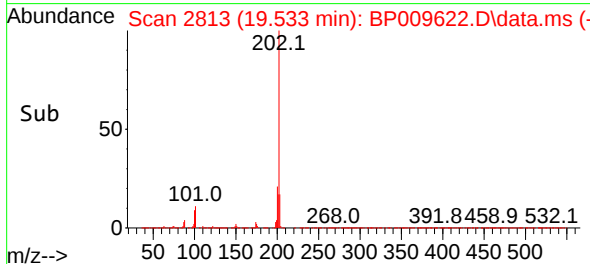
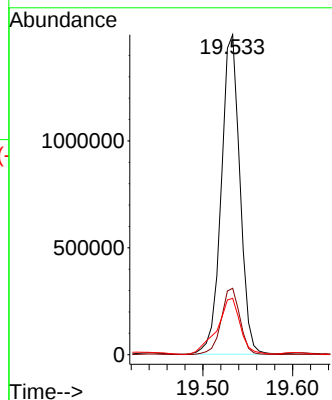
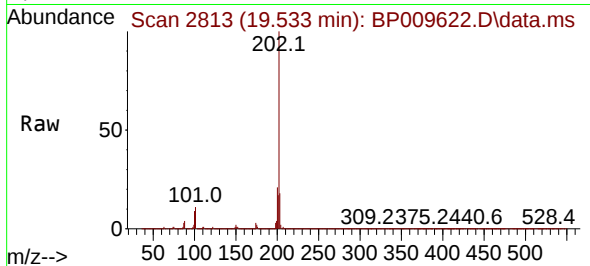




#78
 Pyrene
 Concen: 29.953 ng
 RT: 19.533 min Scan# 2813
 Delta R.T. -0.006 min
 Lab File: BP009622.D
 Acq: 30 Mar 2022 17:06

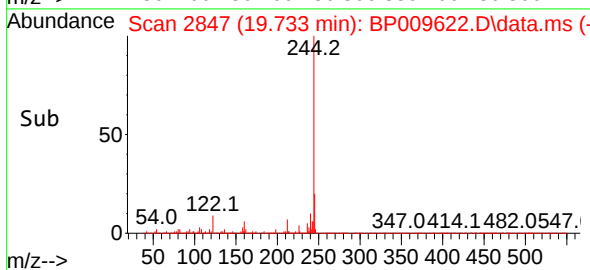
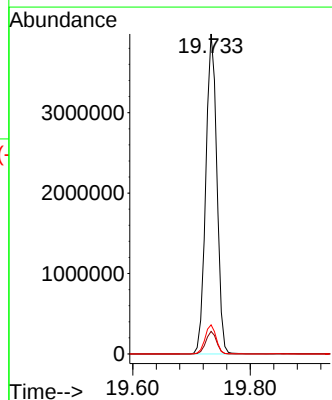
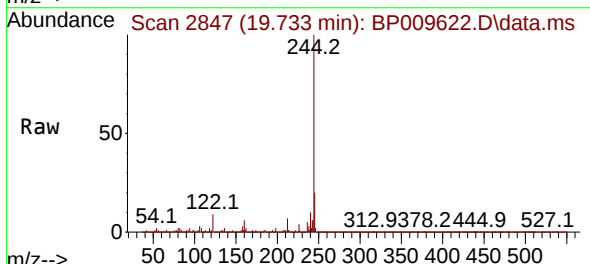
Instrument :
 BNA_P
 ClientSampleId :
 SS1

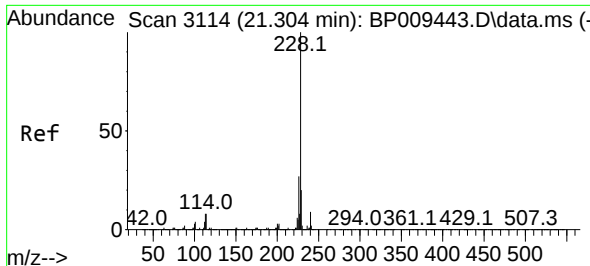
Tgt Ion:202 Resp: 2155922
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.8 25.2
 203 17.6 14.2 21.4



#79
 Terphenyl-d14
 Concen: 85.817 ng
 RT: 19.733 min Scan# 2847
 Delta R.T. -0.006 min
 Lab File: BP009622.D
 Acq: 30 Mar 2022 17:06

Tgt Ion:244 Resp: 5222534
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 9.1 8.3 12.5

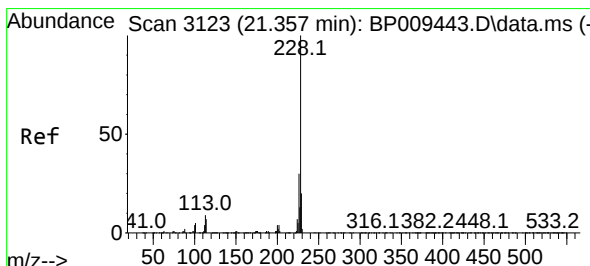
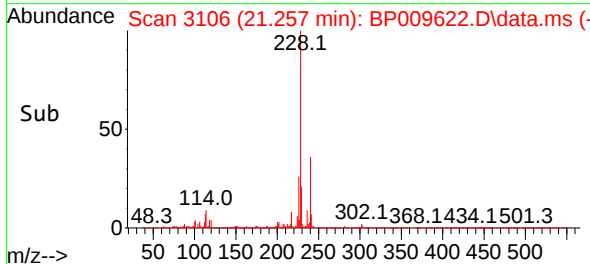
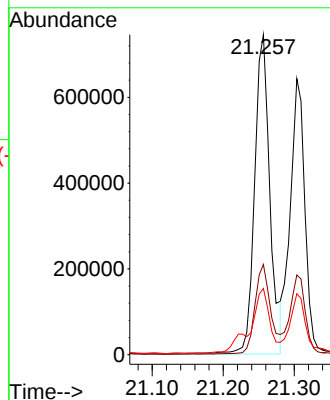
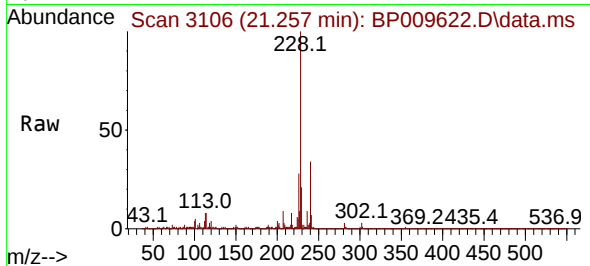




#81
Benzo(a)anthracene
Concen: 15.460 ng
RT: 21.257 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP009622.D
Acq: 30 Mar 2022 17:06

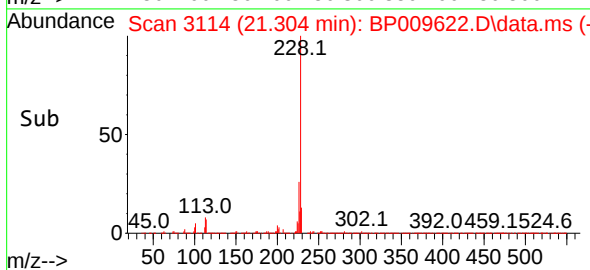
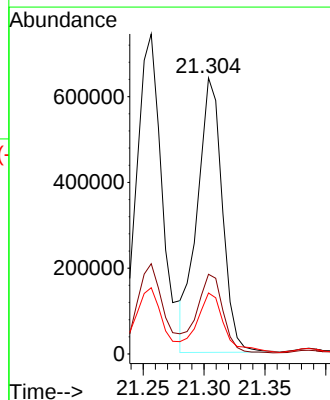
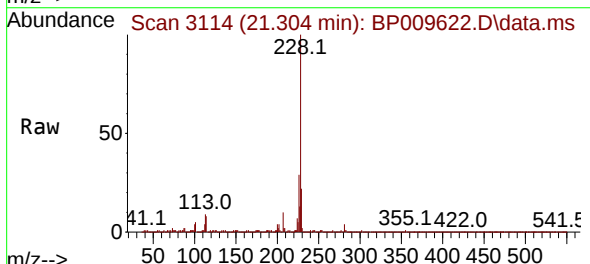
Instrument :
BNA_P
ClientSampleId :
SS1

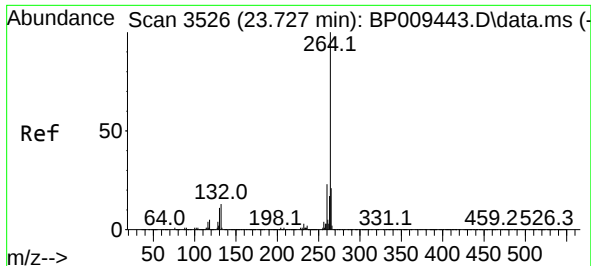
Tgt Ion:228 Resp: 1109457
Ion Ratio Lower Upper
228 100
226 28.2 22.0 33.0
229 20.7 16.1 24.1



#83
Chrysene
Concen: 13.456 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BP009622.D
Acq: 30 Mar 2022 17:06

Tgt Ion:228 Resp: 914417
Ion Ratio Lower Upper
228 100
226 28.9 24.2 36.2
229 22.1 16.1 24.1

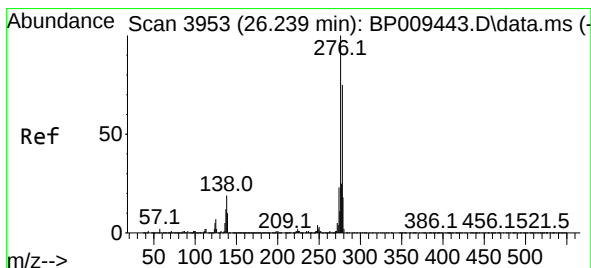
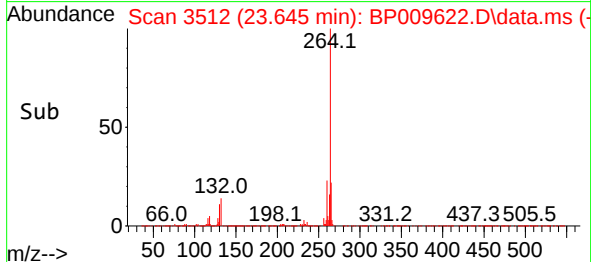
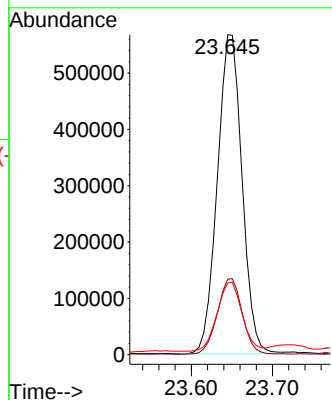
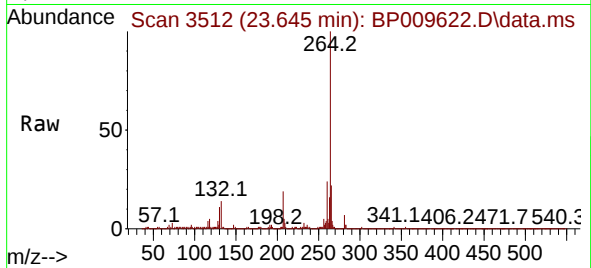




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.645 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009622.D
Acq: 30 Mar 2022 17:06

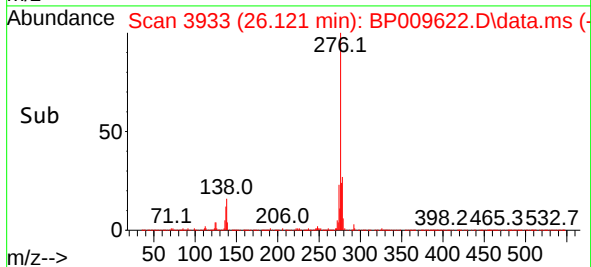
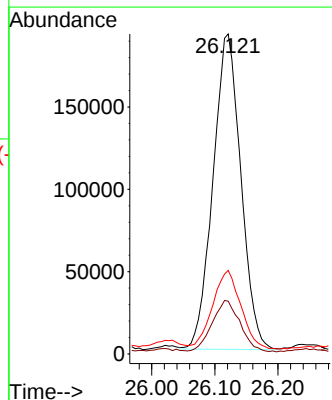
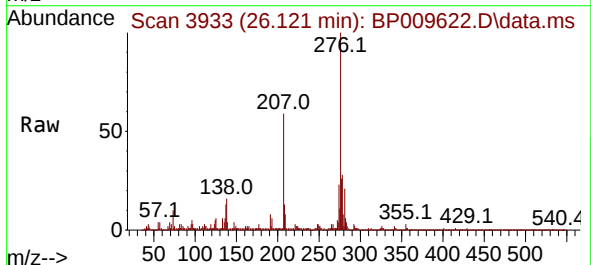
Instrument :
BNA_P
ClientSampleId :
SS1

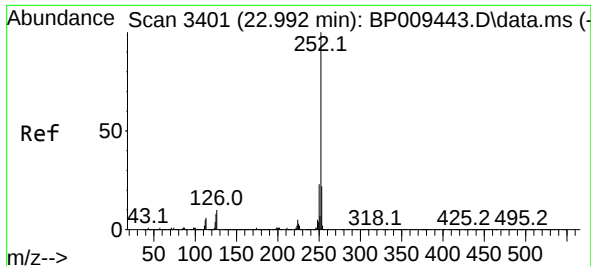
Tgt Ion:264 Resp: 1199981
Ion Ratio Lower Upper
264 100
260 23.6 19.4 29.0
265 22.4 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.457 ng
RT: 26.121 min Scan# 3933
Delta R.T. -0.018 min
Lab File: BP009622.D
Acq: 30 Mar 2022 17:06

Tgt Ion:276 Resp: 587850
Ion Ratio Lower Upper
276 100
138 16.4 20.5 30.7#
277 25.4 20.4 30.6

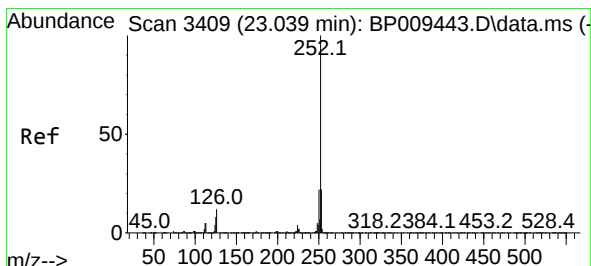
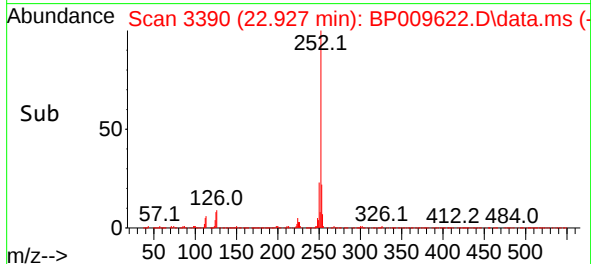
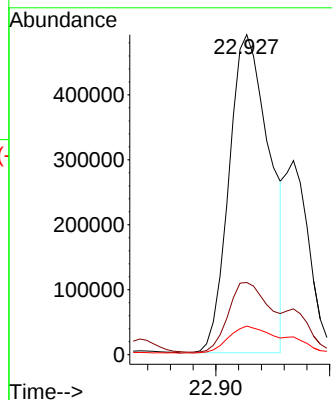
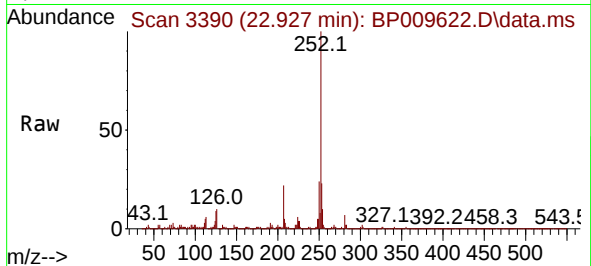




#88
Benzo(b)fluoranthene
Concen: 17.033 ng
RT: 22.927 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP009622.D
Acq: 30 Mar 2022 17:06

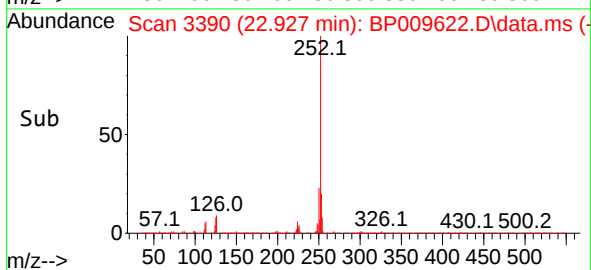
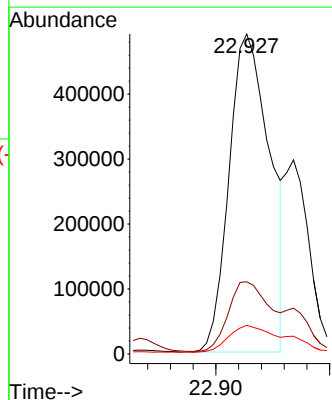
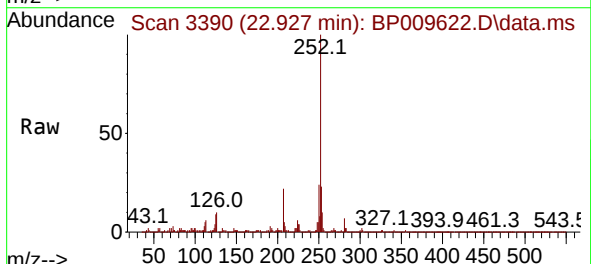
Instrument :
BNA_P
ClientSampleId :
SS1

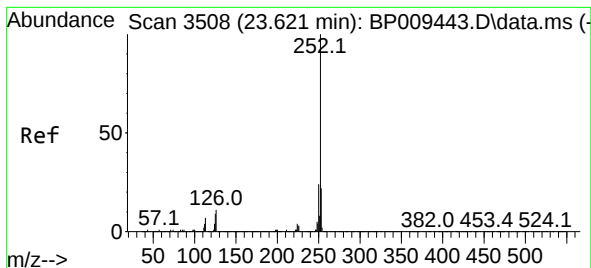
Tgt Ion:252 Resp: 1220151
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 9.0 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 17.396 ng
RT: 22.927 min Scan# 3390
Delta R.T. -0.053 min
Lab File: BP009622.D
Acq: 30 Mar 2022 17:06

Tgt Ion:252 Resp: 1220151
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 9.0 8.3 12.5





#90

Benzo(a)pyrene

Concen: 8.497 ng

RT: 23.439 min Scan# 34

Delta R.T. -0.112 min

Lab File: BP009622.D

Acq: 30 Mar 2022 17:06

Instrument :

BNA_P

ClientSampleId :

SS1

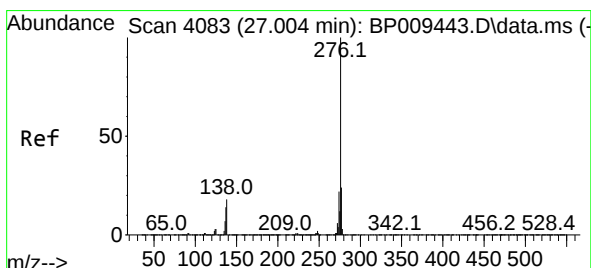
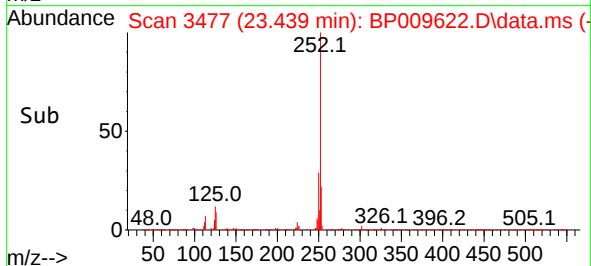
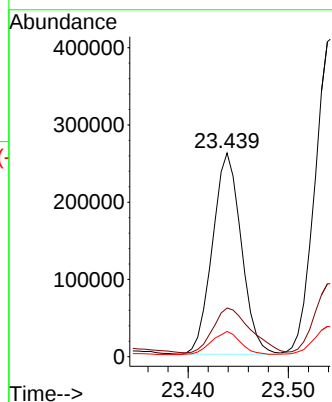
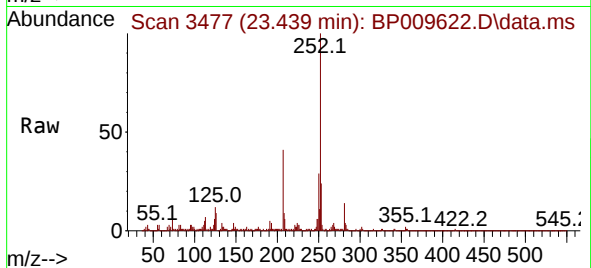
Tgt Ion:252 Resp: 520782

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.6

125 12.4 9.3 13.9



#92

Benzo(g,h,i)perylene

Concen: 7.486 ng

RT: 26.886 min Scan# 4063

Delta R.T. -0.012 min

Lab File: BP009622.D

Acq: 30 Mar 2022 17:06

Tgt Ion:276 Resp: 558771

Ion Ratio Lower Upper

276 100

277 25.3 19.2 28.8

138 15.7 18.0 27.0#

