

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021822\
 Data File : BP009222.D
 Acq On : 18 Feb 2022 19:49
 Operator : CG/JU
 Sample : N1579-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-4R-N(0-0.5)

Quant Time: Feb 19 00:50:34 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 19 00:46:08 2022
 Response via : Initial Calibration

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

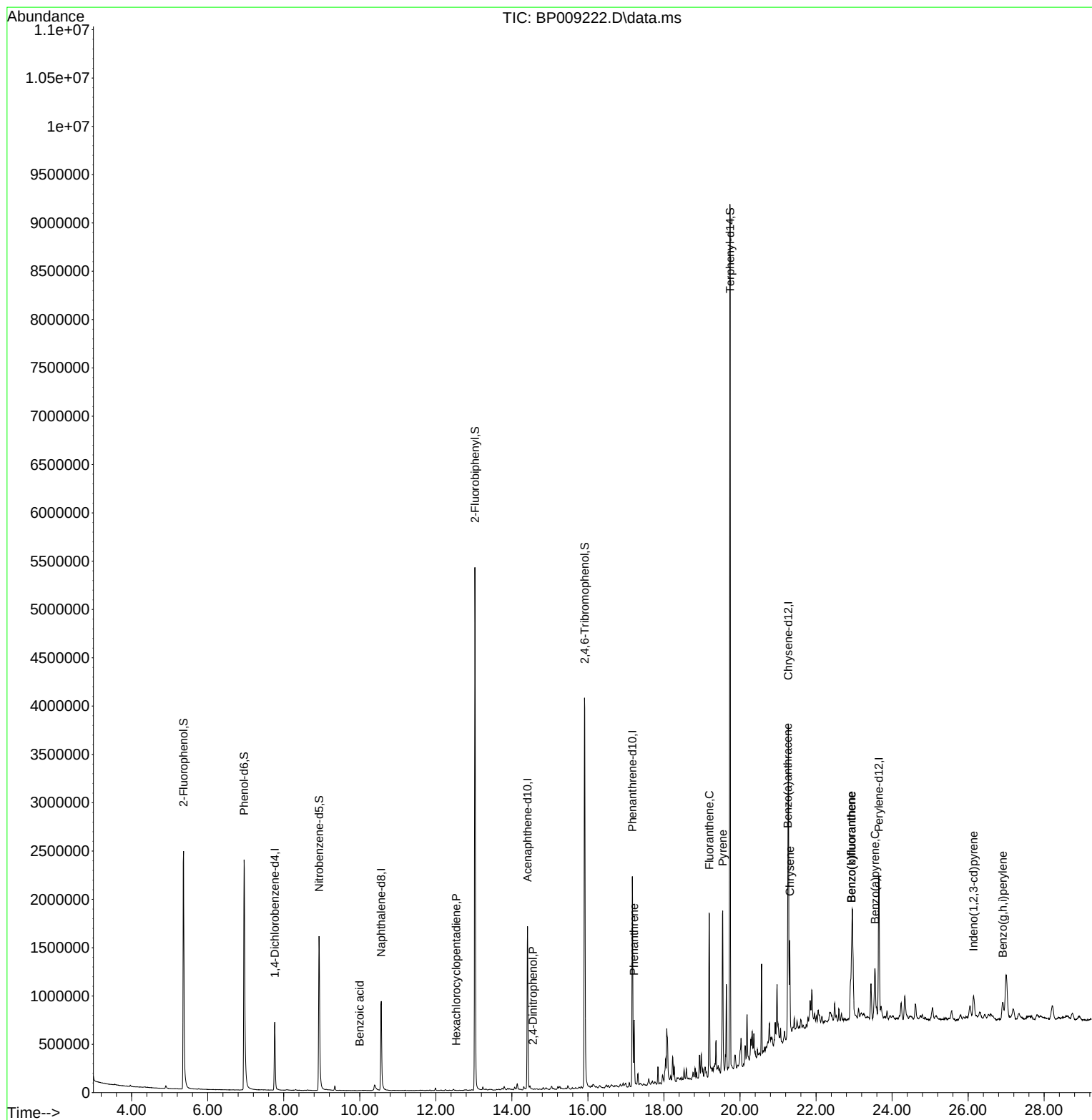
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	236222	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	946161	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	653449	20.000	ng	0.00
64) Phenanthrene-d10	17.169	188	1433997	20.000	ng	0.00
76) Chrysene-d12	21.269	240	1388625	20.000	ng	-0.01
86) Perylene-d12	23.651	264	1171472	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.364	112	1451585	109.615	ng	0.00
7) Phenol-d6	6.958	99	1898262	108.787	ng	0.00
23) Nitrobenzene-d5	8.928	82	1182491	70.480	ng	0.00
42) 2,4,6-Tribromophenol	15.916	330	1021224	117.049	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	3068762	65.742	ng	0.00
79) Terphenyl-d14	19.739	244	4627107	59.923	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.999	122	50	2.695	ng	# 1
41) Hexachlorocyclopentadiene	12.540	237	14	8.657	ng	91
54) 2,4-Dinitrophenol	14.557	184	31	2.174	ng	# 1
71) Phenanthrene	17.216	178	462827	5.961	ng	98
75) Fluoranthene	19.192	202	1083511	12.451	ng	96
78) Pyrene	19.545	202	1121310	11.351	ng	98
81) Benzo(a)anthracene	21.257	228	533198	5.958	ng	98
83) Chrysene	21.310	228	550068	6.376	ng	98
87) Indeno(1,2,3-cd)pyrene	26.145	276	272565	3.131	ng	# 94
88) Benzo(b)fluoranthene	22.933	252	632420	8.769	ng	99
89) Benzo(k)fluoranthene	22.933	252	632420	8.790	ng	99
90) Benzo(a)pyrene	23.551	252	425201	7.072	ng	98
92) Benzo(g,h,i)perylene	26.910	276	284237	3.991	ng	98

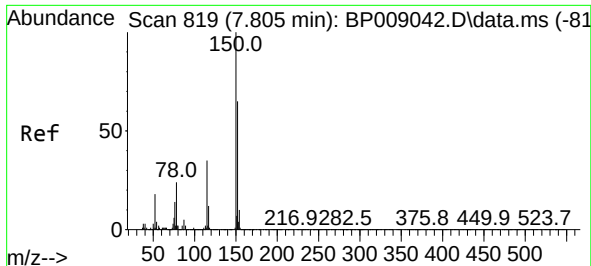
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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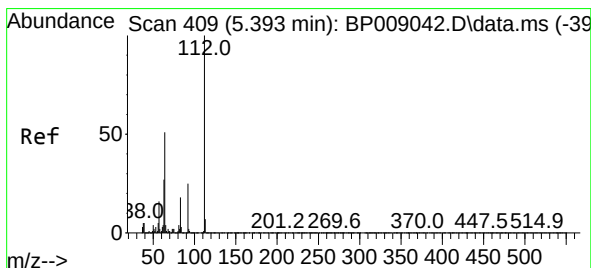
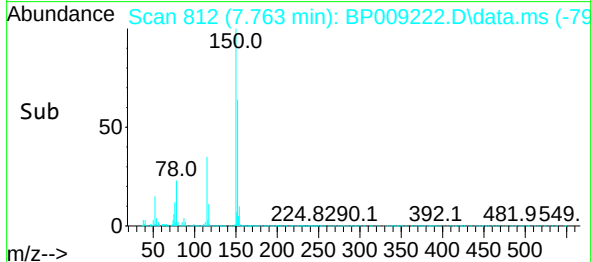
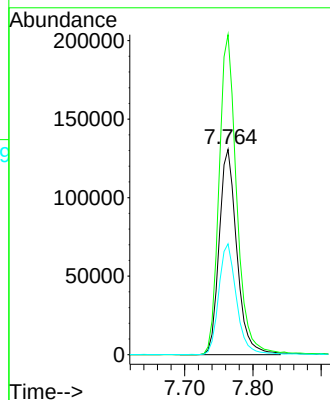
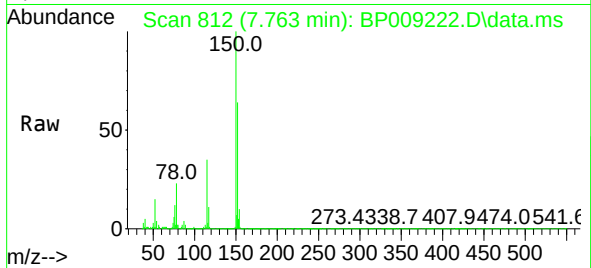




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

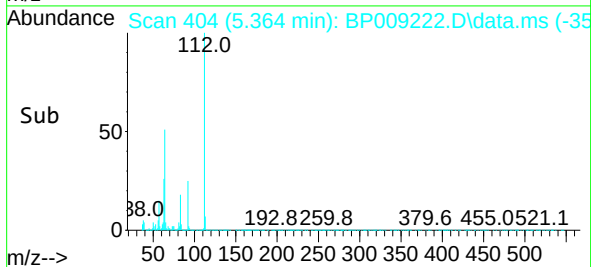
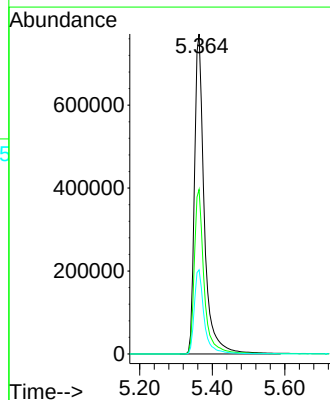
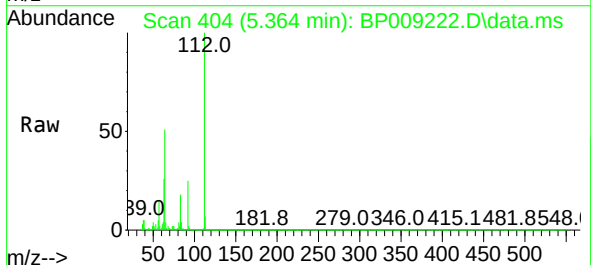
Instrument :
BNA_P
ClientSampleId :
SB-4R-N(0-0.5)

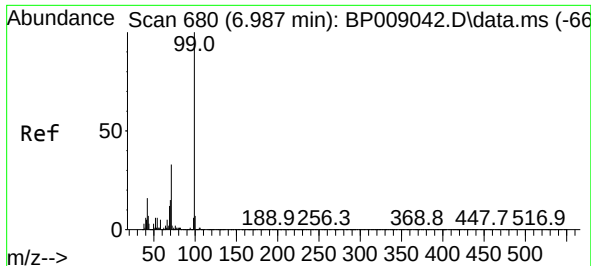
Tgt Ion:152 Resp: 236222
Ion Ratio Lower Upper
152 100
150 155.9 127.0 190.6
115 54.0 43.7 65.5



#5
2-Fluorophenol
Concen: 109.615 ng
RT: 5.364 min Scan# 404
Delta R.T. -0.000 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Tgt Ion:112 Resp: 1451585
Ion Ratio Lower Upper
112 100
64 51.4 39.7 59.5
63 26.3 20.0 30.0



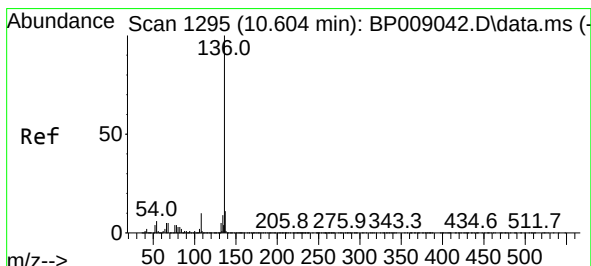
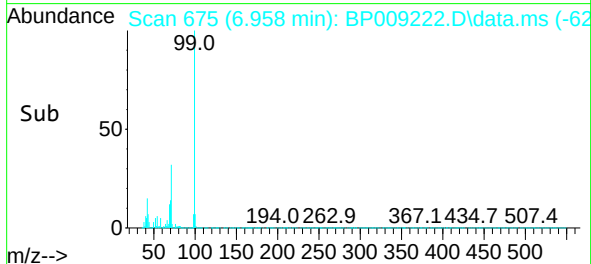
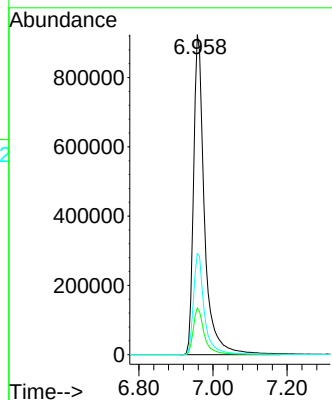
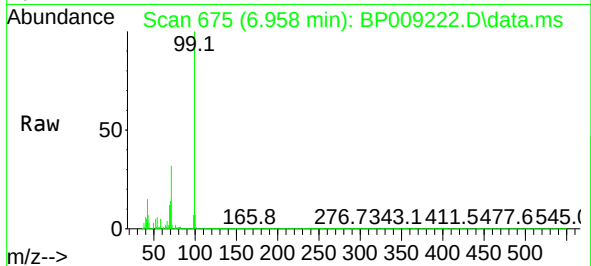


#7
Phenol-d6
Concen: 108.787 ng
RT: 6.958 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Instrument :
BNA_P
ClientSampleId :
SB-4R-N(0-0.5)

Tgt Ion: 99 Resp: 1898262

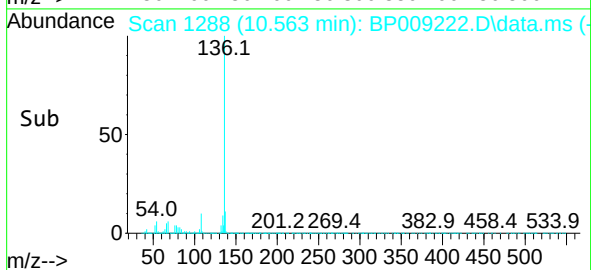
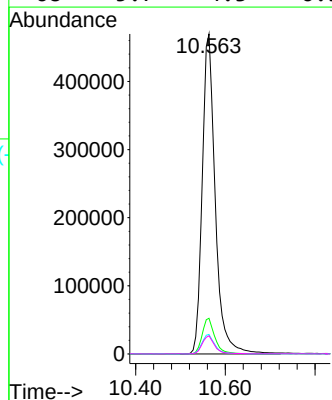
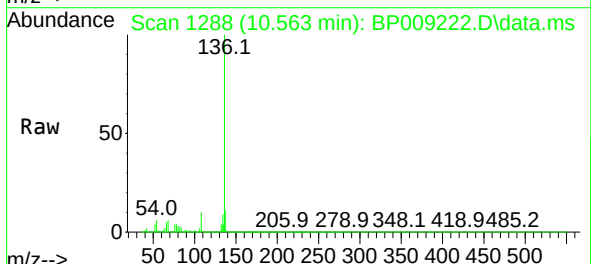
Ion	Ratio	Lower	Upper
99	100		
42	14.6	10.8	16.2
71	31.6	23.8	35.6

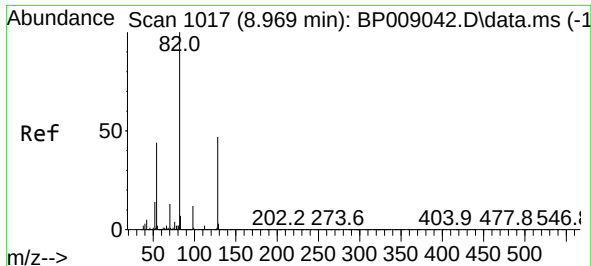


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Tgt Ion: 136 Resp: 946161

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.1	4.9	7.3
68	5.7	4.3	6.5

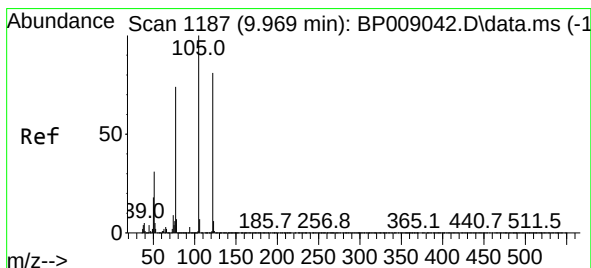
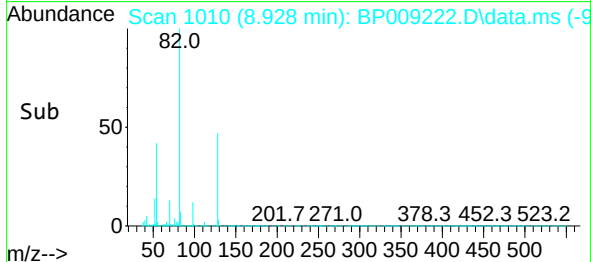
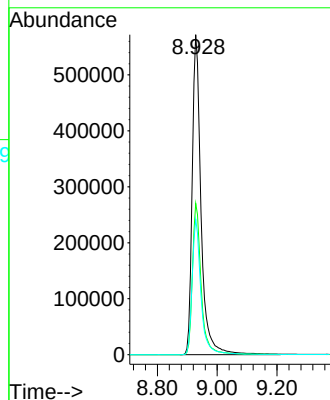
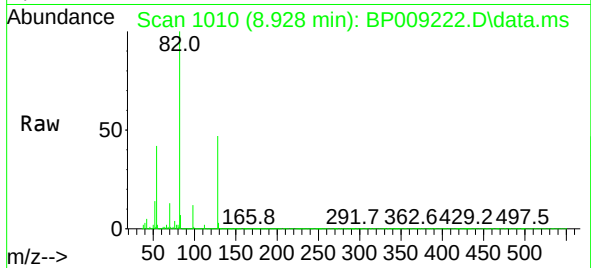




#23
Nitrobenzene-d5
Concen: 70.480 ng
RT: 8.928 min Scan# 110
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

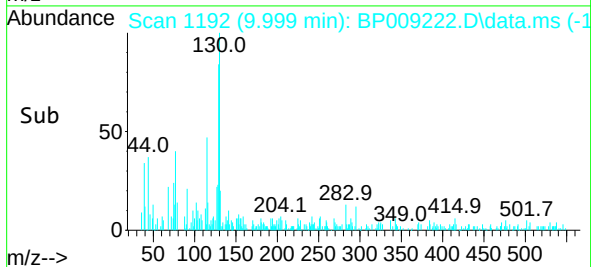
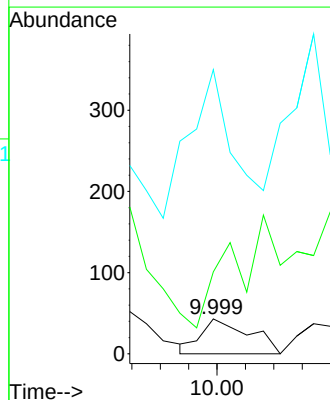
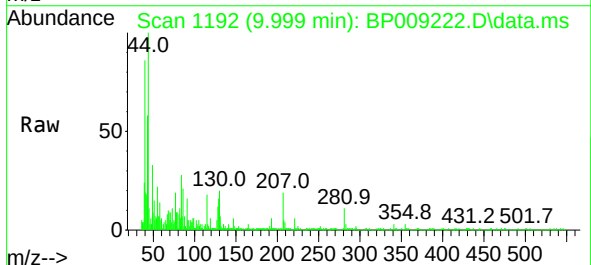
Instrument :
BNA_P
ClientSampleId :
SB-4R-N(0-0.5)

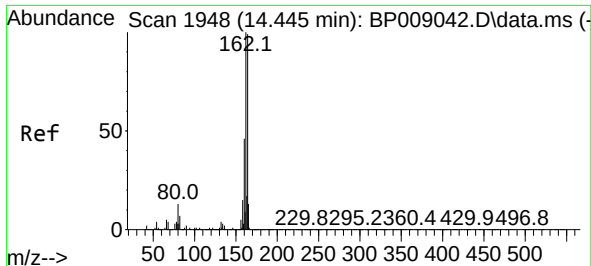
Tgt Ion: 82 Resp: 1182491
Ion Ratio Lower Upper
82 100
128 47.3 39.4 59.2
54 42.3 32.6 48.8



#32
Benzoic acid
Concen: 2.695 ng
RT: 9.999 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Tgt Ion:122 Resp: 50
Ion Ratio Lower Upper
122 100
105 150.7 100.1 140.1#
77 522.4 65.5 105.5#

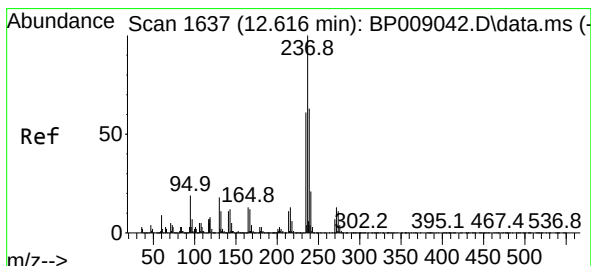
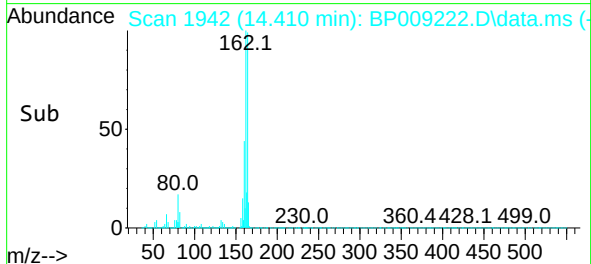
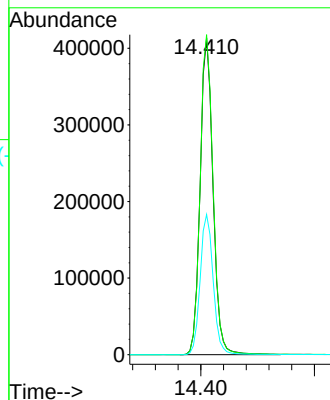
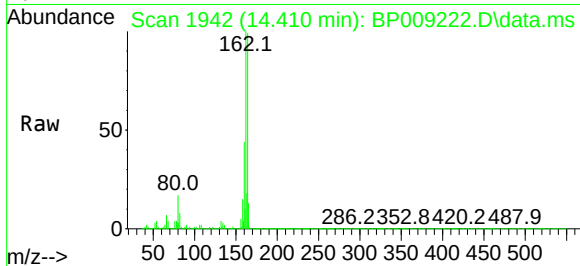




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

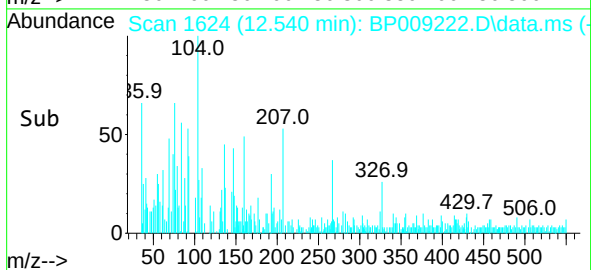
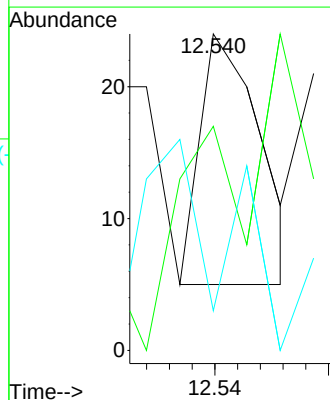
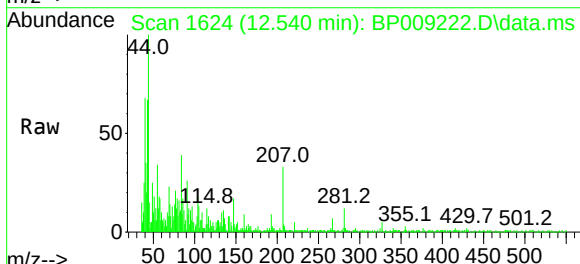
Instrument :
BNA_P
ClientSampleId :
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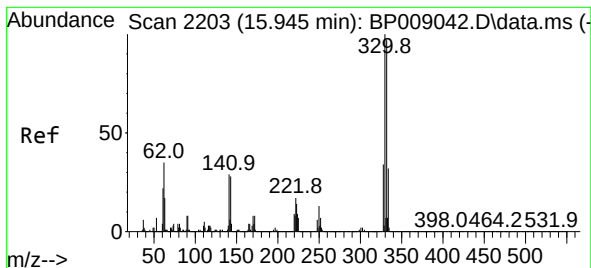
Tgt Ion:164 Resp: 653449
Ion Ratio Lower Upper
164 100
162 101.0 79.9 119.9
160 44.2 35.5 53.3



#41
Hexachlorocyclopentadiene
Concen: 8.657 ng
RT: 12.540 min Scan# 1624
Delta R.T. -0.035 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Tgt Ion:237 Resp: 14
Ion Ratio Lower Upper
237 100
235 70.8 42.9 82.9
272 12.5 0.0 33.8

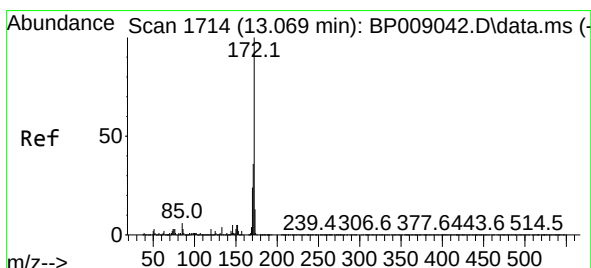
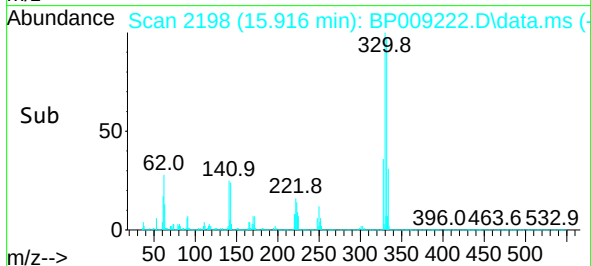
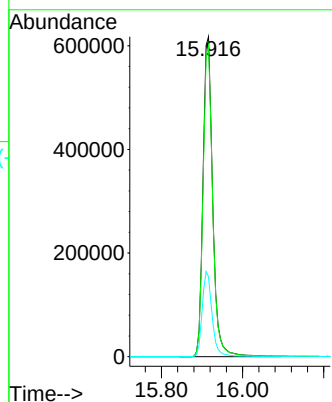
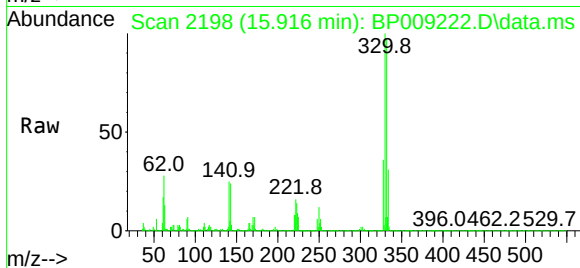




#42
2,4,6-Tribromophenol
Concen: 117.049 ng
RT: 15.916 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

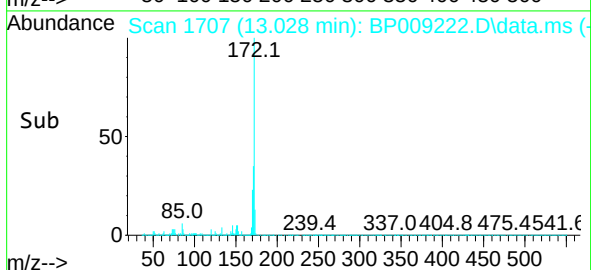
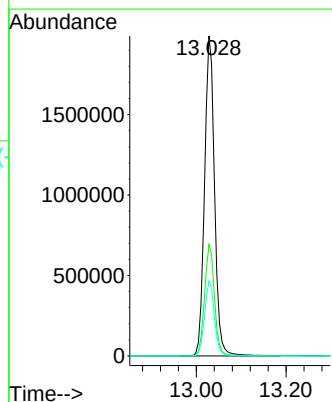
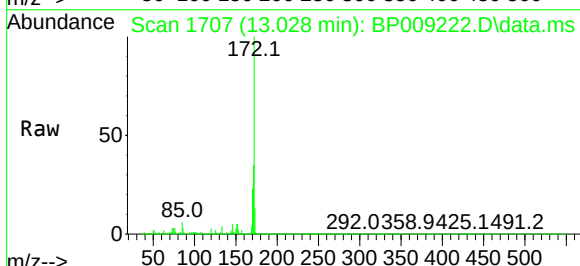
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ClientSampleId :
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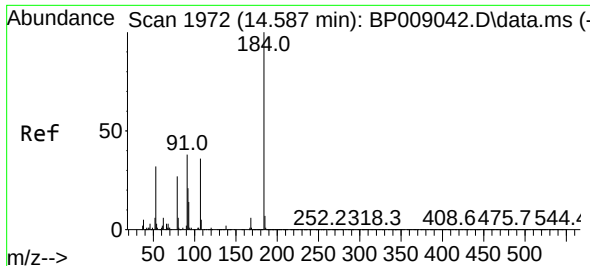
Tgt Ion:330 Resp: 1021224
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.4
141 27.4 21.3 31.9



#45
2-Fluorobiphenyl
Concen: 65.742 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Tgt Ion:172 Resp: 3068762
Ion Ratio Lower Upper
172 100
171 34.9 29.3 43.9
170 23.4 19.5 29.3

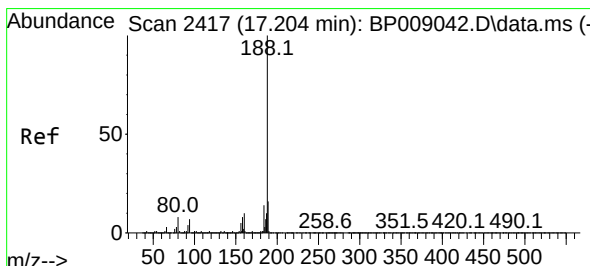
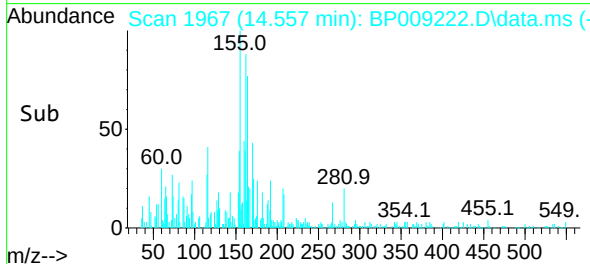
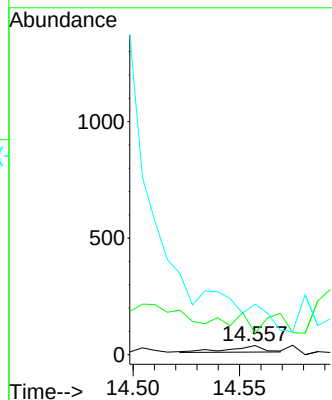
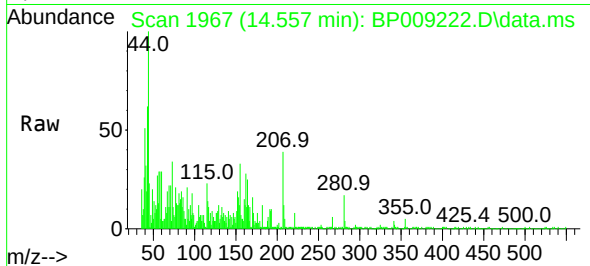




#54
2,4-Dinitrophenol
Concen: 2.174 ng
RT: 14.557 min Scan# 1972
Delta R.T. -0.029 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

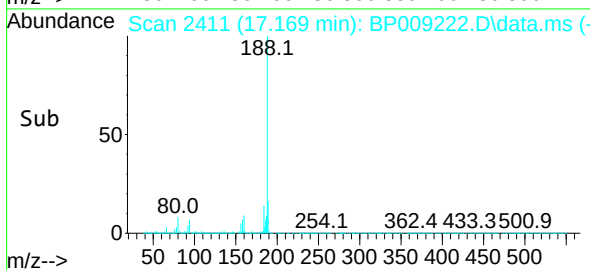
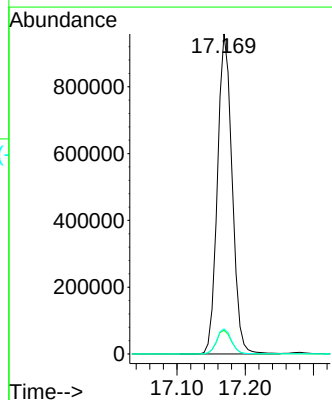
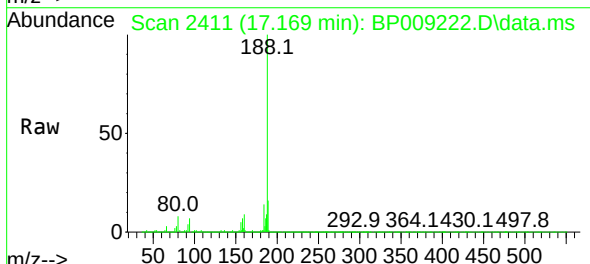
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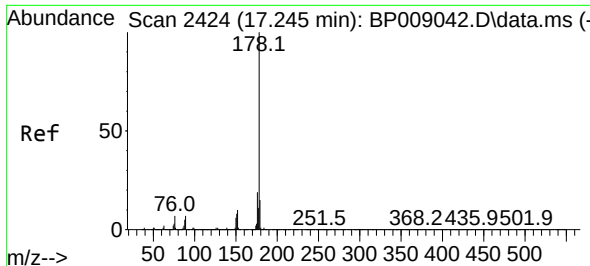
Tgt Ion:184 Resp: 31
Ion Ratio Lower Upper
184 100
63 238.5 35.6 53.4#
154 556.4 43.4 65.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Tgt Ion:188 Resp: 1433997
Ion Ratio Lower Upper
188 100
94 7.4 6.8 10.2
80 7.9 7.2 10.8

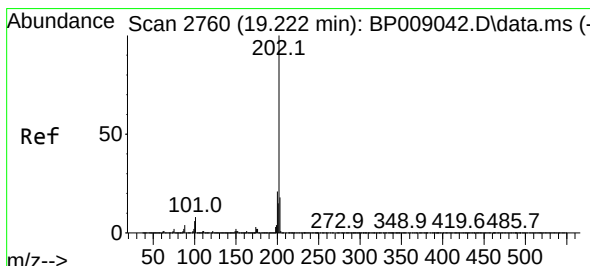
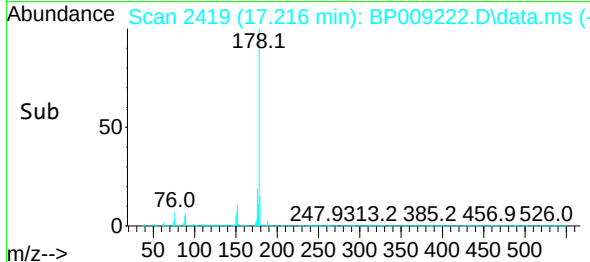
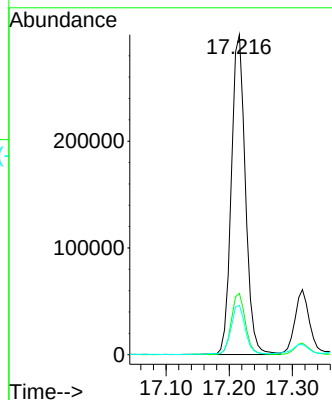
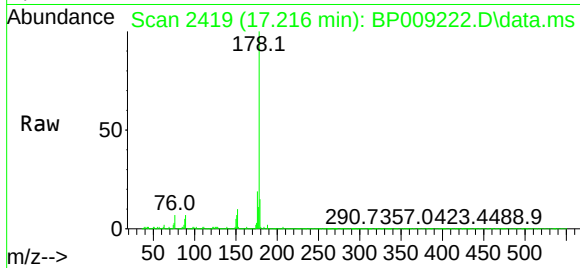




#71
Phenanthrene
Concen: 5.961 ng
RT: 17.216 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

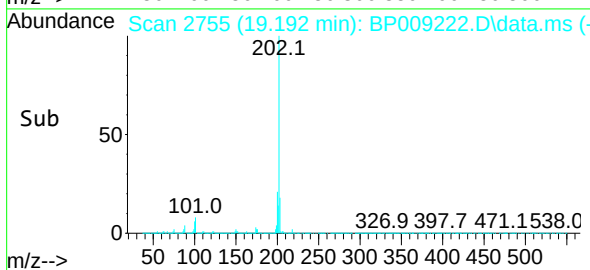
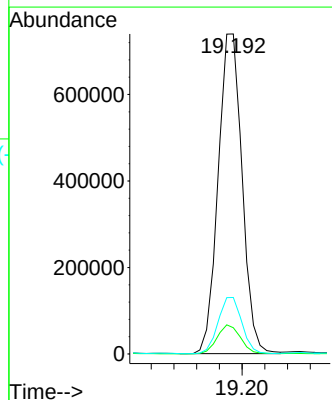
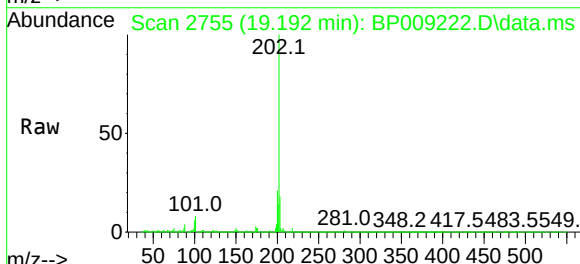
Instrument :
BNA_P
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SB-4R-N(0-0.5)

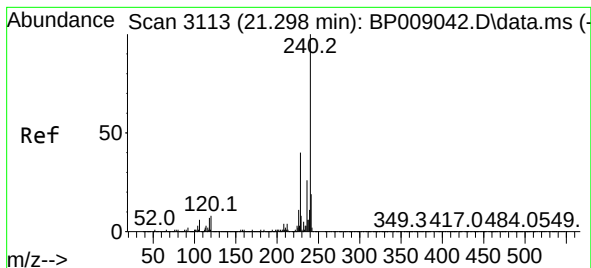
Tgt Ion:178 Resp: 462827
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.5 13.0 19.4



#75
Fluoranthene
Concen: 12.451 ng
RT: 19.192 min Scan# 2755
Delta R.T. -0.000 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Tgt Ion:202 Resp: 1083511
Ion Ratio Lower Upper
202 100
101 8.2 0.0 30.7
203 17.7 0.0 38.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.269 min Scan# 3113

Delta R.T. -0.012 min

Lab File: BP009222.D

Acq: 18 Feb 2022 19:49

Instrument :

BNA_P

ClientSampleId :

SB-4R-N(0-0.5)

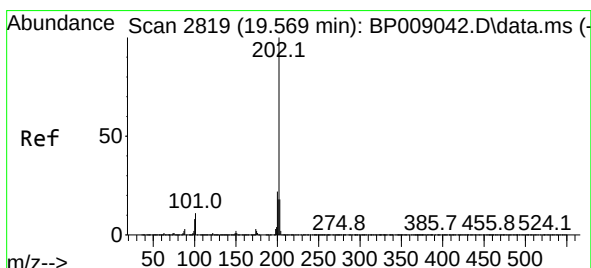
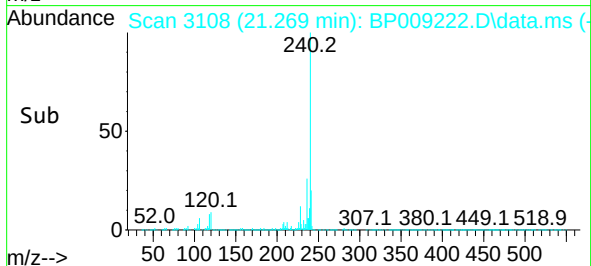
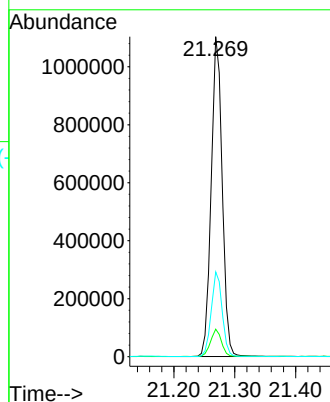
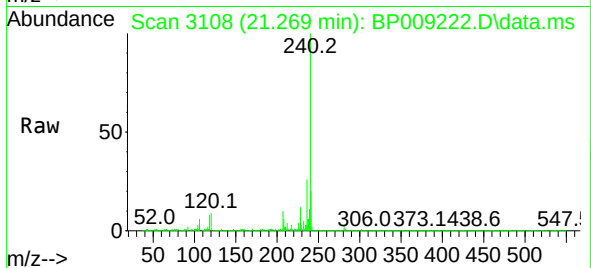
Tgt Ion:240 Resp: 1388625

Ion Ratio Lower Upper

240 100

120 8.6 7.7 11.5

236 26.5 21.2 31.8



#78

Pyrene

Concen: 11.351 ng

RT: 19.545 min Scan# 2815

Delta R.T. -0.000 min

Lab File: BP009222.D

Acq: 18 Feb 2022 19:49

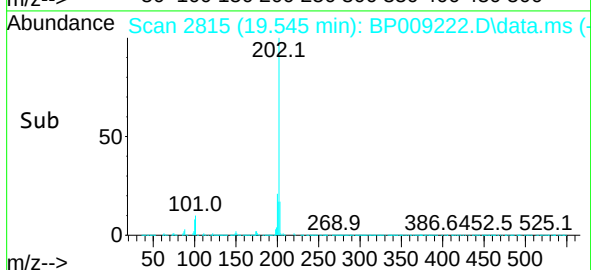
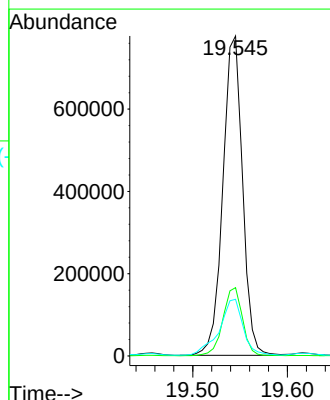
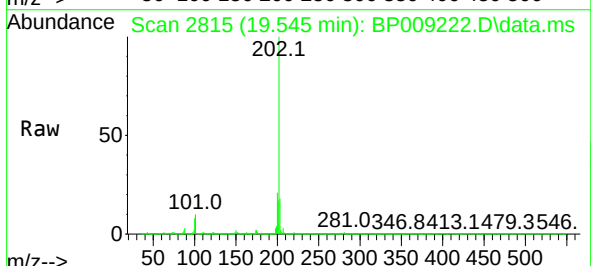
Tgt Ion:202 Resp: 1121310

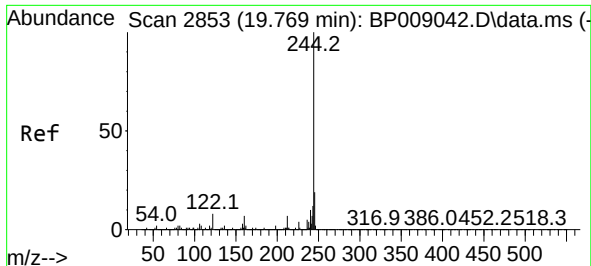
Ion Ratio Lower Upper

202 100

200 21.4 18.0 27.0

203 17.7 15.0 22.6

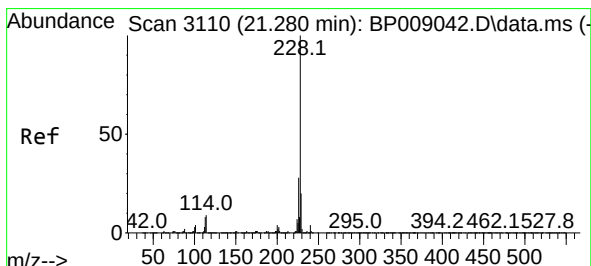
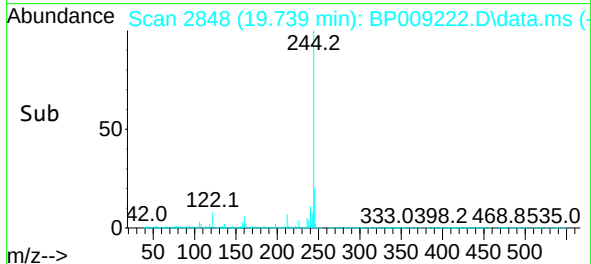
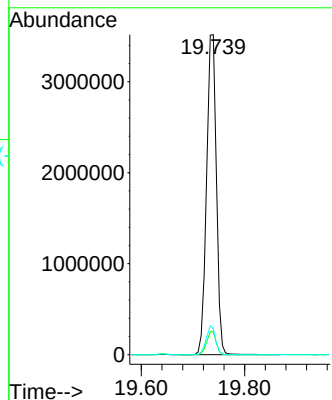
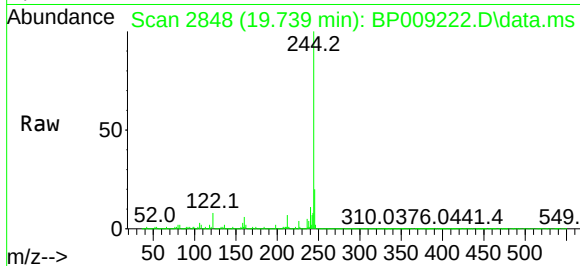




#79
 Terphenyl-d14
 Concen: 59.923 ng
 RT: 19.739 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009222.D
 Acq: 18 Feb 2022 19:49

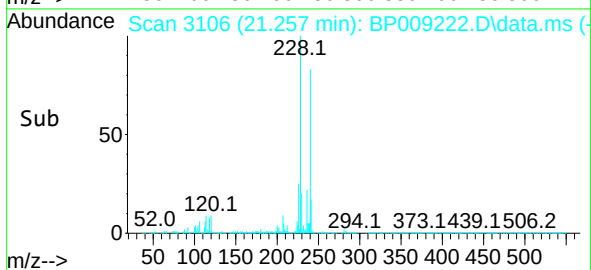
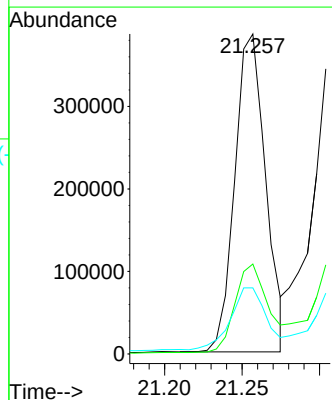
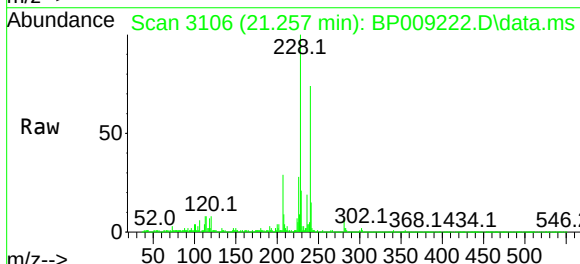
Instrument :
 BNA_P
 ClientSampleId :
 SB-4R-N(0-0.5)

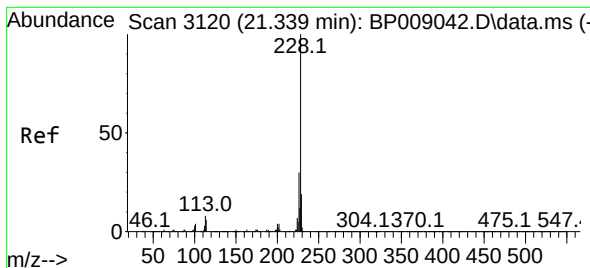
Tgt Ion:244 Resp: 4627107
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 8.1 9.2 13.8#



#81
 Benzo(a)anthracene
 Concen: 5.958 ng
 RT: 21.257 min Scan# 3106
 Delta R.T. -0.006 min
 Lab File: BP009222.D
 Acq: 18 Feb 2022 19:49

Tgt Ion:228 Resp: 533198
 Ion Ratio Lower Upper
 228 100
 226 28.1 23.3 34.9
 229 20.7 17.0 25.6





#83

Chrysene

Concen: 6.376 ng

RT: 21.310 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BP009222.D

Acq: 18 Feb 2022 19:49

Instrument :

BNA_P

ClientSampleId :

SB-4R-N(0-0.5)

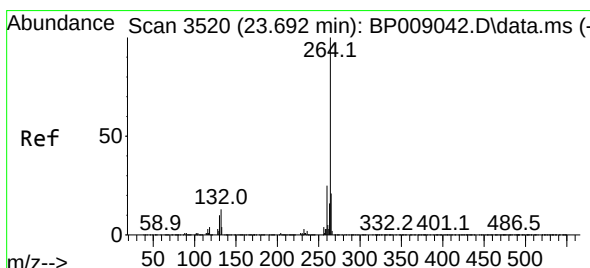
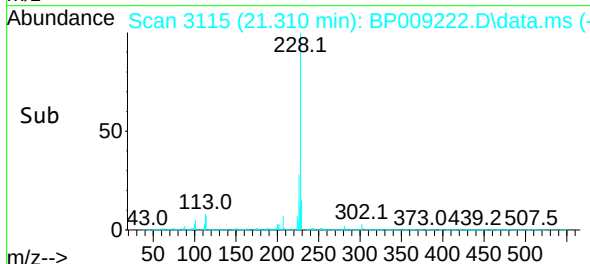
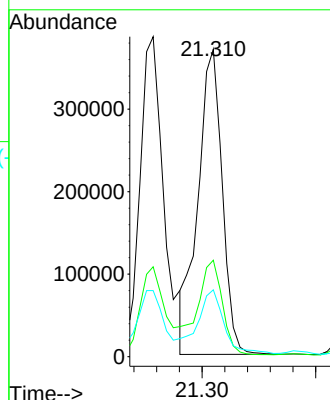
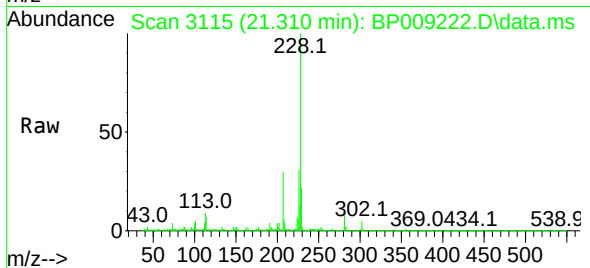
Tgt Ion:228 Resp: 550068

Ion Ratio Lower Upper

228 100

226 31.4 26.0 39.0

229 21.7 16.9 25.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.651 min Scan# 3513

Delta R.T. -0.012 min

Lab File: BP009222.D

Acq: 18 Feb 2022 19:49

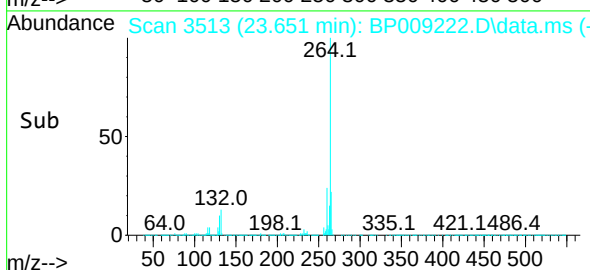
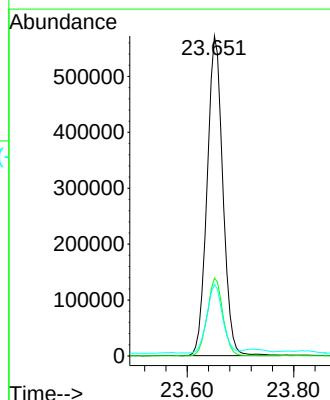
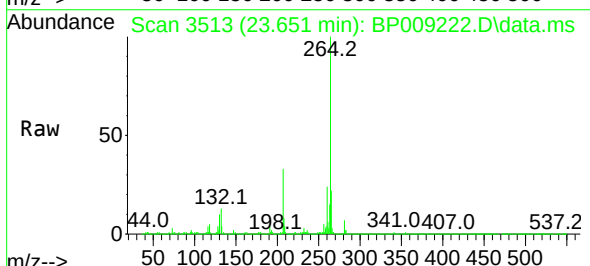
Tgt Ion:264 Resp: 1171472

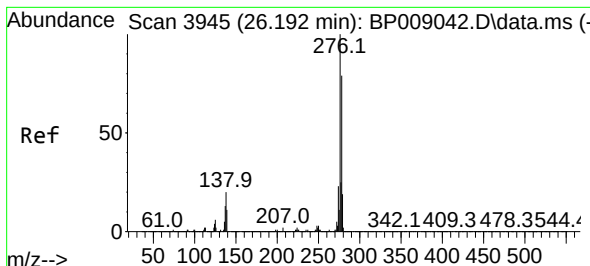
Ion Ratio Lower Upper

264 100

260 24.4 19.1 28.7

265 22.4 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.131 ng

RT: 26.145 min Scan# 3937

Delta R.T. -0.012 min

Lab File: BP009222.D

Acq: 18 Feb 2022 19:49

Instrument :

BNA_P

ClientSampleId :

SB-4R-N(0-0.5)

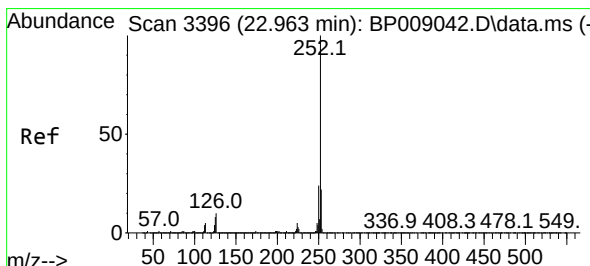
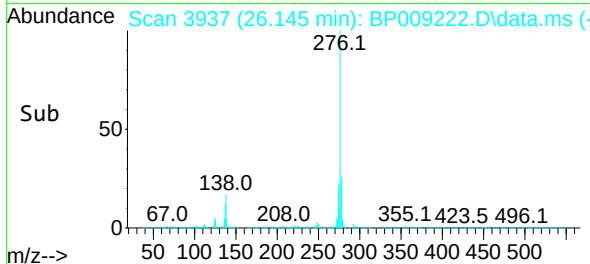
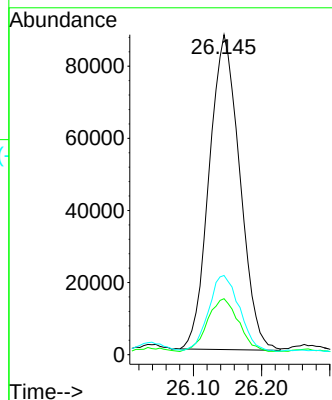
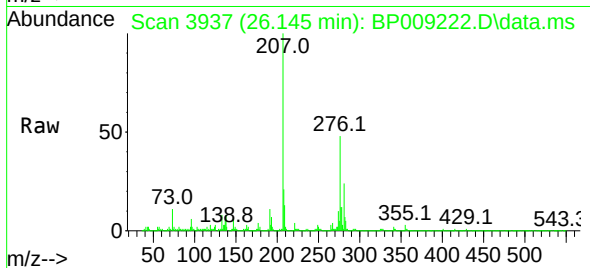
Tgt Ion:276 Resp: 272565

Ion Ratio Lower Upper

276 100

138 17.2 17.8 26.6#

277 24.2 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 8.769 ng

RT: 22.933 min Scan# 3391

Delta R.T. -0.006 min

Lab File: BP009222.D

Acq: 18 Feb 2022 19:49

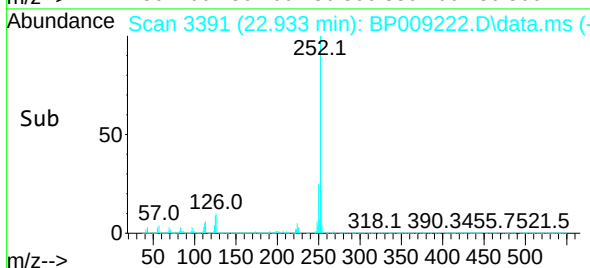
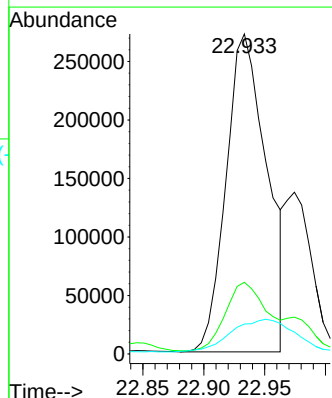
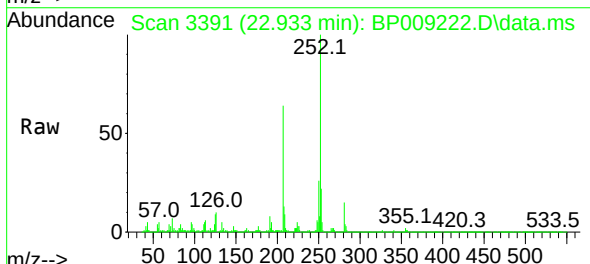
Tgt Ion:252 Resp: 632420

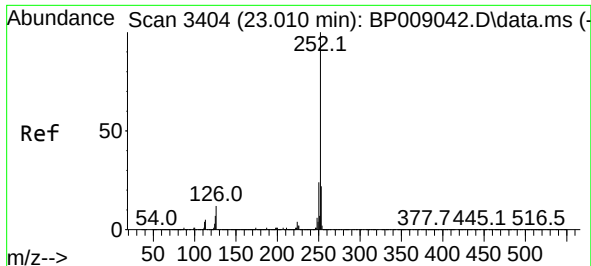
Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

125 9.4 6.9 10.3

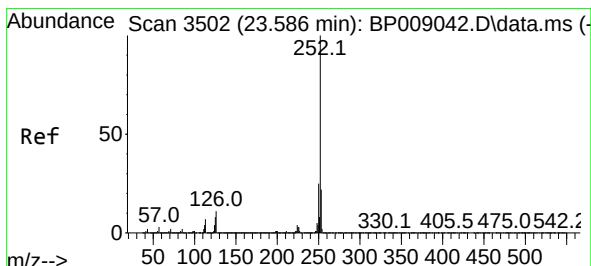
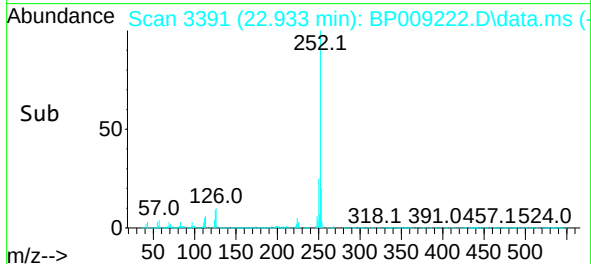
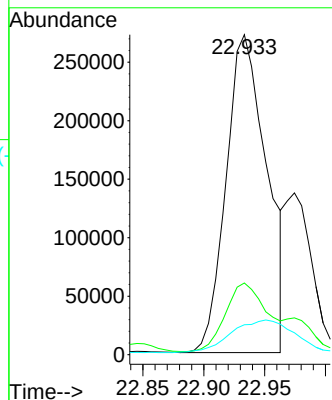
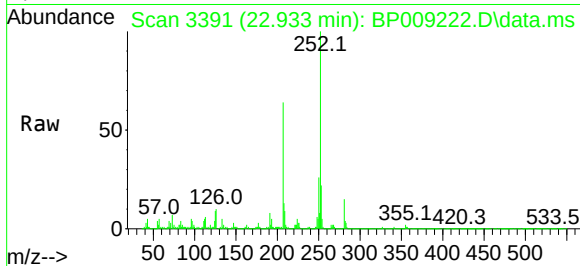




#89
Benzo(k)fluoranthene
Concen: 8.790 ng
RT: 22.933 min Scan# 31
Delta R.T. -0.053 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

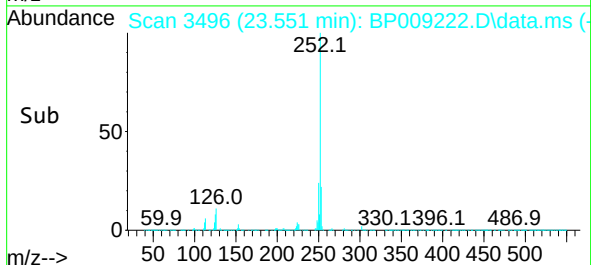
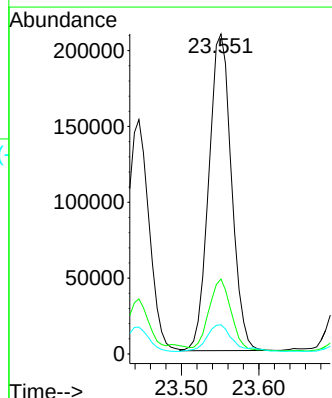
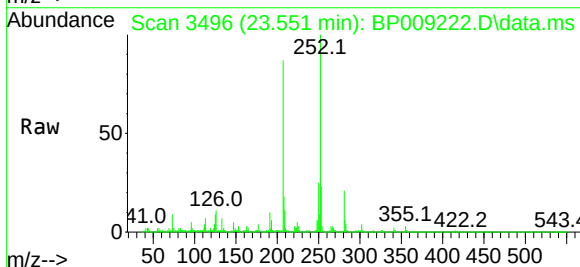
Instrument :
BNA_P
ClientSampleId :
SB-4R-N(0-0.5)

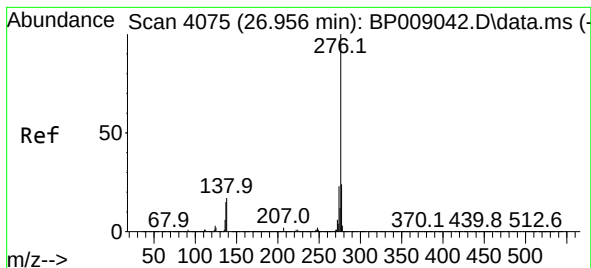
Tgt Ion:252 Resp: 632420
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 9.4 7.3 10.9



#90
Benzo(a)pyrene
Concen: 7.072 ng
RT: 23.551 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Tgt Ion:252 Resp: 425201
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 9.1 7.8 11.6





#92

Benzo(g,h,i)perylene

Concen: 3.991 ng

RT: 26.910 min Scan# 4075

Delta R.T. -0.012 min

Lab File: BP009222.D

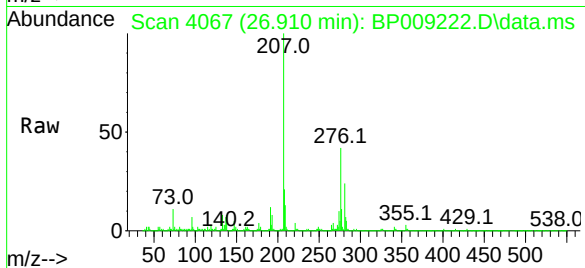
Acq: 18 Feb 2022 19:49

Instrument :

BNA_P

ClientSampleId :

SB-4R-N(0-0.5)



Tgt Ion:276 Resp: 284237

Ion Ratio Lower Upper

276 100

277 25.1 19.2 28.8

138 18.0 15.0 22.4

