

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
 Data File : BP009607.D
 Acq On : 29 Mar 2022 22:26
 Operator : CG/JU
 Sample : N2155-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 22L076-I

Quant Time: Mar 30 04:11:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 04:00:13 2022
 Response via : Initial Calibration

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

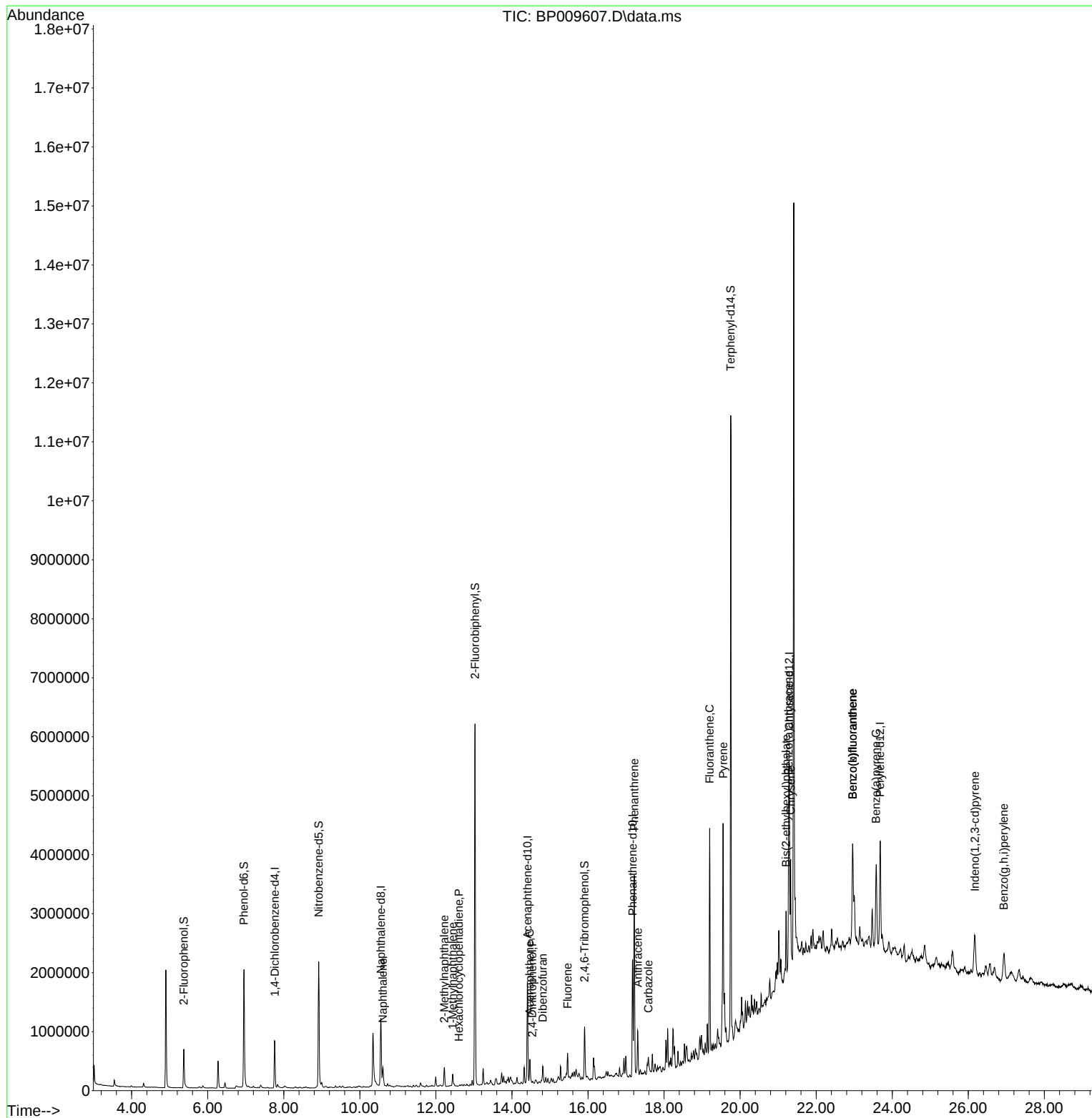
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.764	152	253540	20.000	ng	0.00
21) Naphthalene-d8	10.552	136	1014495	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	639992	20.000	ng	0.00
64) Phenanthrene-d10	17.175	188	1351652	20.000	ng	0.00
76) Chrysene-d12	21.292	240	1389298	20.000	ng	0.00
86) Perylene-d12	23.680	264	1563522	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.370	112	384492	26.477	ng	0.00
7) Phenol-d6	6.952	99	1432728	72.955	ng	0.00
23) Nitrobenzene-d5	8.916	82	1453166	76.119	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	191211	18.105	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	3476982	75.315	ng	0.00
79) Terphenyl-d14	19.751	244	5613764	72.526	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.917	77	7241	Below Cal	#	63
31) Naphthalene	10.605	128	251651	4.816	ng	99
37) 2-Methylnaphthalene	12.222	142	174688	4.764	ng	96
38) 1-Methylnaphthalene	12.440	142	108739	3.044	ng	99
41) Hexachlorocyclopentadiene	12.604	237	19	7.290	ng	94
52) Acenaphthene	14.469	154	149418	4.311	ng	99
54) 2,4-Dinitrophenol	14.534	184	200	4.563	ng	# 1
55) Dibenzofuran	14.810	168	153022	2.628	ng	# 96
58) Fluorene	15.463	166	205012	4.476	ng	97
71) Phenanthrene	17.216	178	2302588	31.824	ng	100
72) Anthracene	17.310	178	531970	7.447	ng	99
73) Carbazole	17.587	167	188924	2.704	ng	97
75) Fluoranthene	19.198	202	2348504	26.811	ng	98
78) Pyrene	19.551	202	2309421	25.226	ng	100
81) Benzo(a)anthracene	21.275	228	1219220	13.358	ng	99
83) Chrysene	21.328	228	1065388	12.327	ng	98
84) Bis(2-ethylhexyl)phtha...	21.210	149	449212	8.282	ng	# 99
87) Indeno(1,2,3-cd)pyrene	26.174	276	624739	5.267	ng	# 93
88) Benzo(b)fluoranthene	22.957	252	1338595	14.341	ng	95
89) Benzo(k)fluoranthene	22.957	252	1338595	14.647	ng	95
90) Benzo(a)pyrene	23.574	252	1018881	12.759	ng	97
92) Benzo(g,h,i)perylene	26.933	276	627919	6.456	ng	95

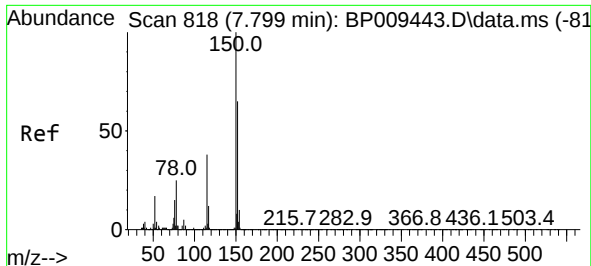
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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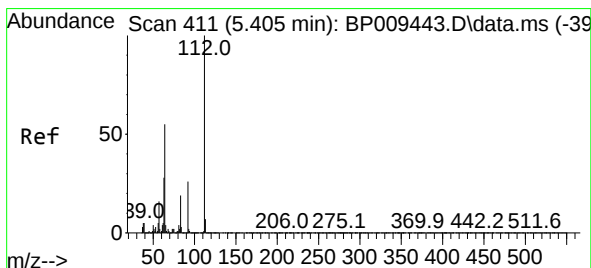
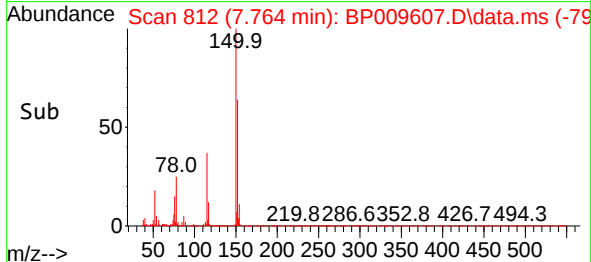
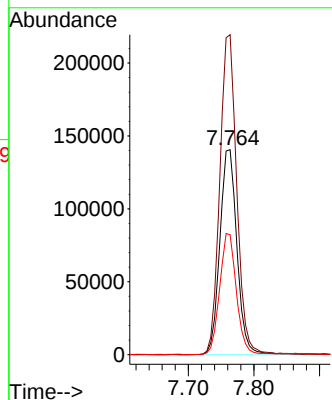
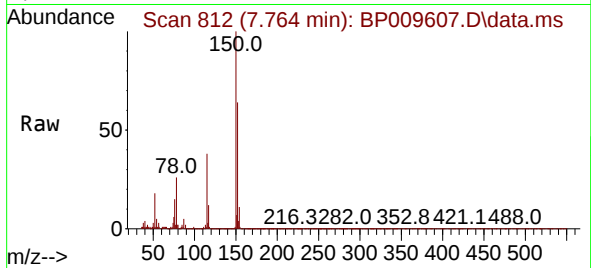




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.764 min Scan# 81
Delta R.T. 0.001 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

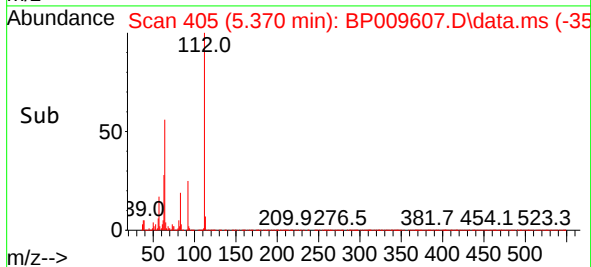
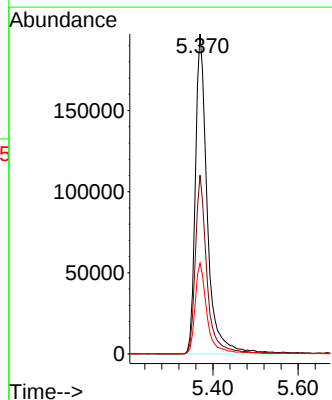
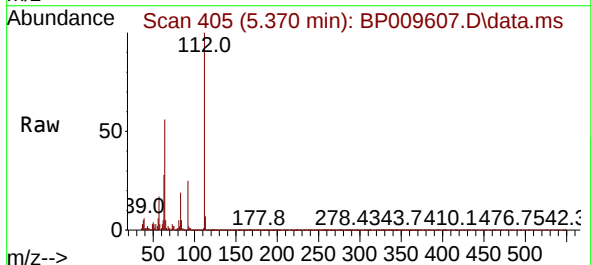
Instrument :
BNA_P
ClientSampleId :
22L076-I

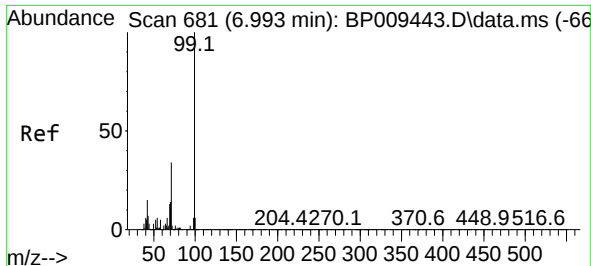
Tgt Ion:152 Resp: 253540
Ion Ratio Lower Upper
152 100
150 156.1 124.5 186.7
115 58.6 48.2 72.4



#5
2-Fluorophenol
Concen: 26.477 ng
RT: 5.370 min Scan# 405
Delta R.T. 0.000 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

Tgt Ion:112 Resp: 384492
Ion Ratio Lower Upper
112 100
64 55.8 45.0 67.4
63 28.4 23.0 34.6

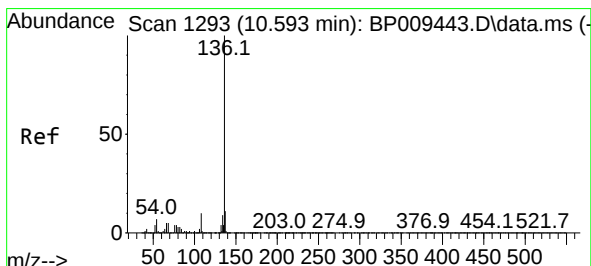
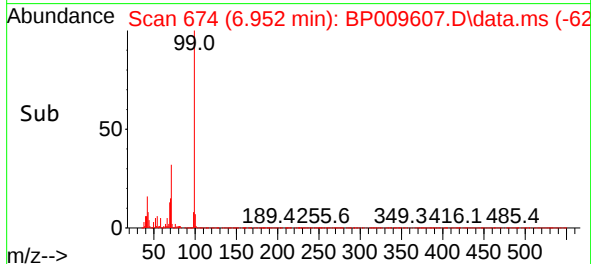
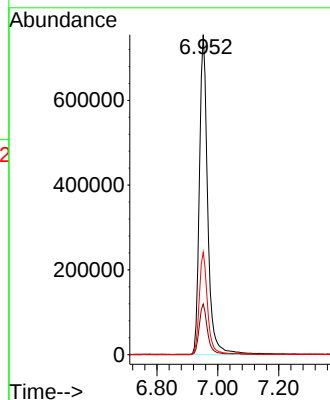
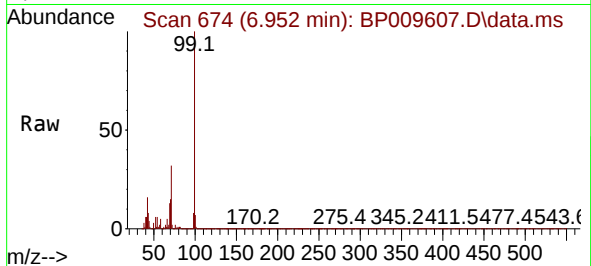




#7
Phenol-d6
Concen: 72.955 ng
RT: 6.952 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

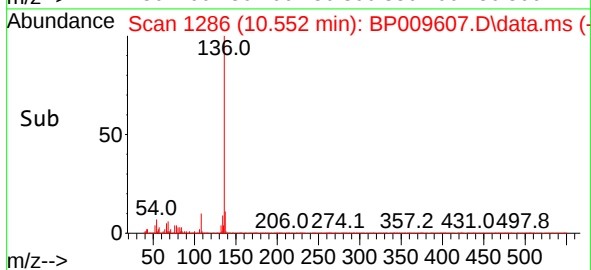
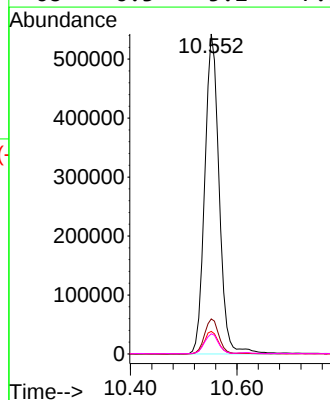
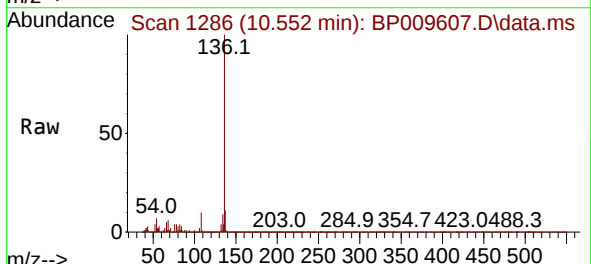
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BNA_P
ClientSampleId :
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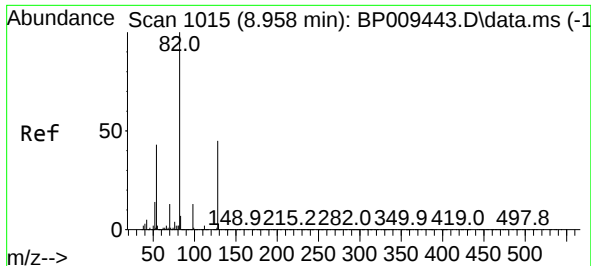
Tgt Ion: 99 Resp: 1432728
Ion Ratio Lower Upper
99 100
42 15.8 12.8 19.2
71 32.0 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

Tgt Ion: 136 Resp: 1014495
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 7.1 5.8 8.8
68 6.3 5.2 7.8

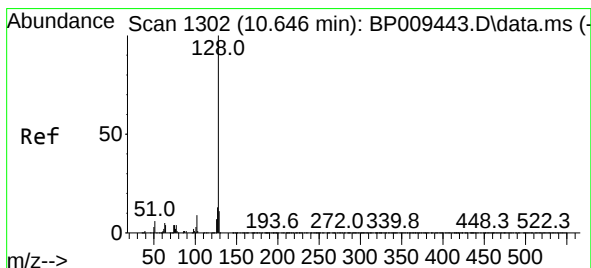
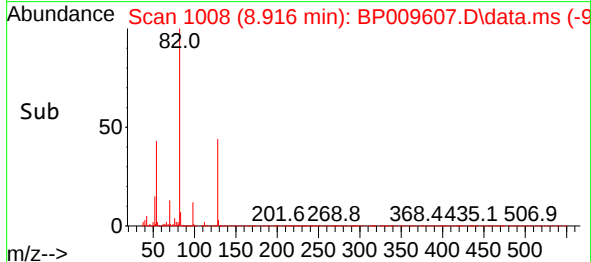
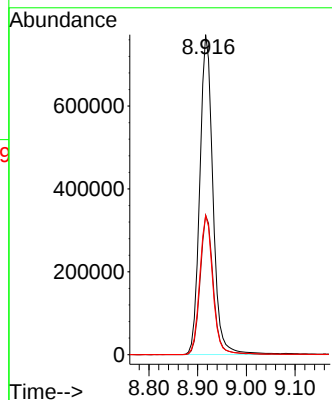
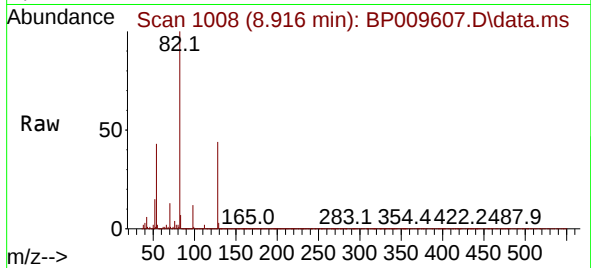




#23
Nitrobenzene-d5
Concen: 76.119 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

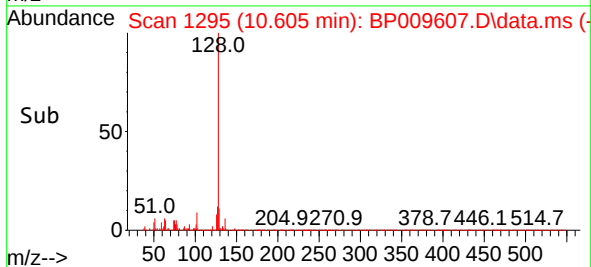
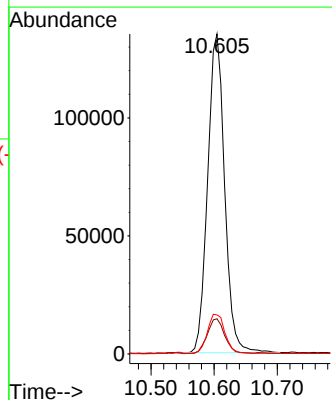
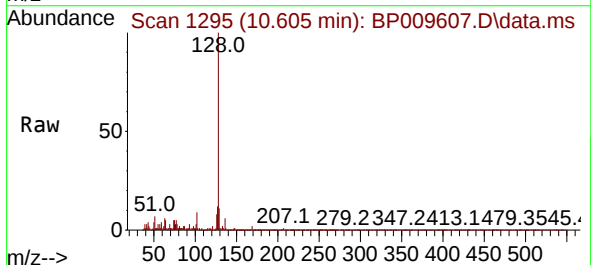
Instrument :
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ClientSampleId :
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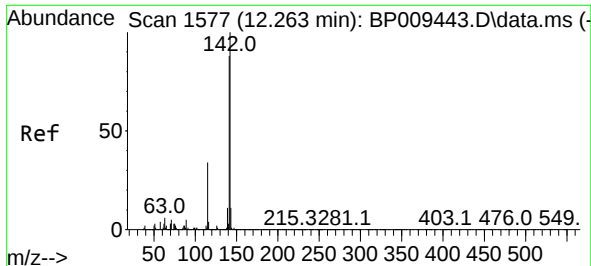
Tgt Ion: 82 Resp: 1453166
Ion Ratio Lower Upper
82 100
128 43.6 34.2 51.4
54 43.4 34.7 52.1



#31
Naphthalene
Concen: 4.816 ng
RT: 10.605 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

Tgt Ion:128 Resp: 251651
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.2 10.5 15.7

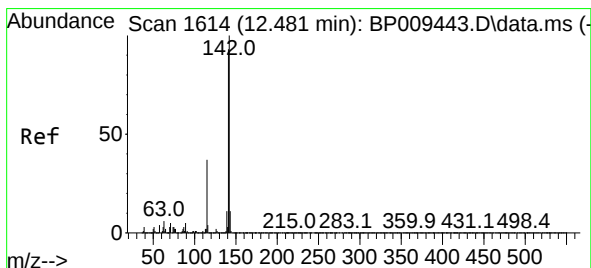
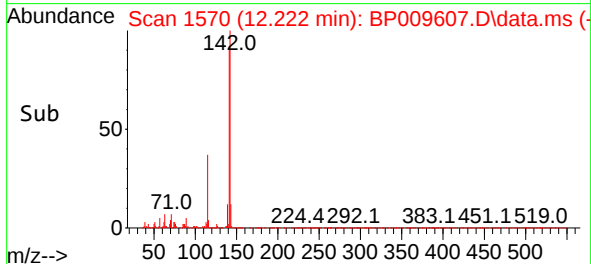
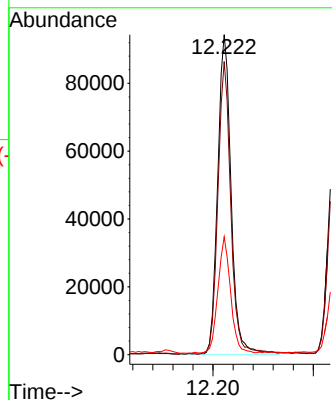
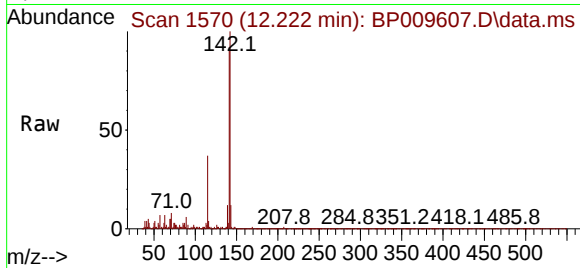




#37
2-Methylnaphthalene
Concen: 4.764 ng
RT: 12.222 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

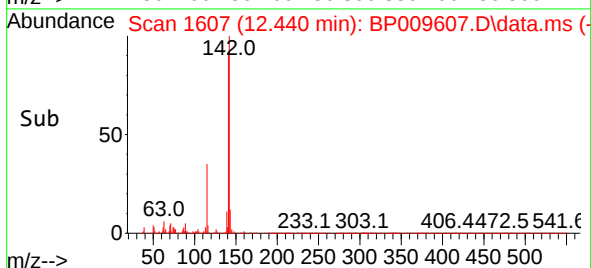
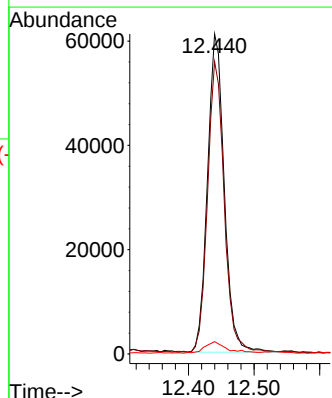
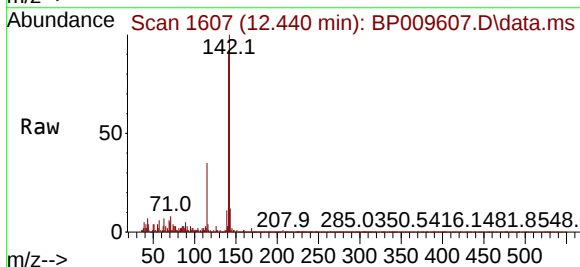
Instrument :
BNA_P
ClientSampleId :
22L076-I

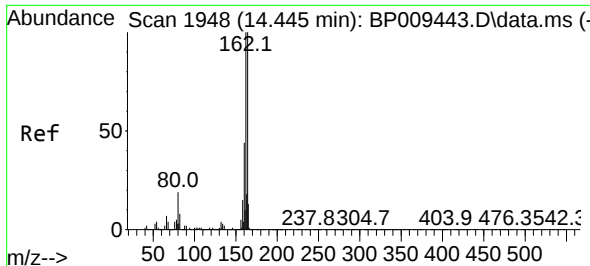
Tgt Ion:142 Resp: 174688
Ion Ratio Lower Upper
142 100
141 91.6 70.2 105.4
115 36.9 27.4 41.2



#38
1-Methylnaphthalene
Concen: 3.044 ng
RT: 12.440 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

Tgt Ion:142 Resp: 108739
Ion Ratio Lower Upper
142 100
141 91.4 73.5 110.3
116 3.8 3.3 4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.410 min Scan# 1948

Delta R.T. 0.000 min

Lab File: BP009607.D

Acq: 29 Mar 2022 22:26

Instrument :

BNA_P

ClientSampleId :

22L076-I

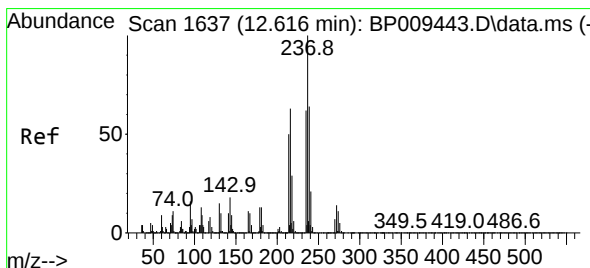
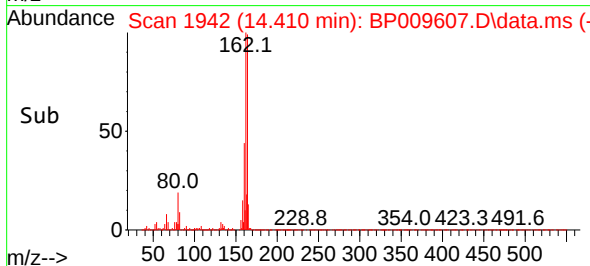
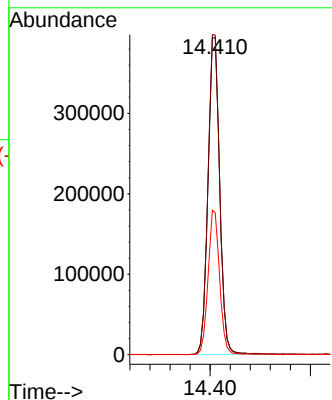
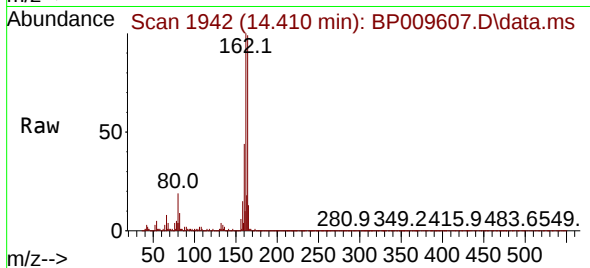
Tgt Ion:164 Resp: 639992

Ion Ratio Lower Upper

164 100

162 100.8 79.1 118.7

160 44.7 34.9 52.3



#41

Hexachlorocyclopentadiene

Concen: 7.290 ng

RT: 12.604 min Scan# 1635

Delta R.T. 0.030 min

Lab File: BP009607.D

Acq: 29 Mar 2022 22:26

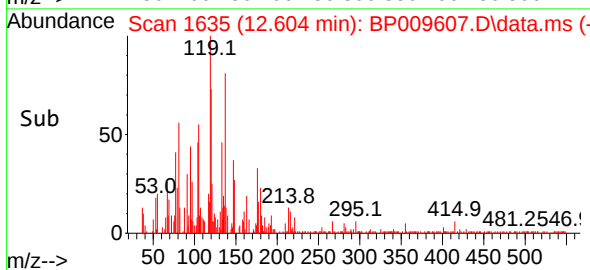
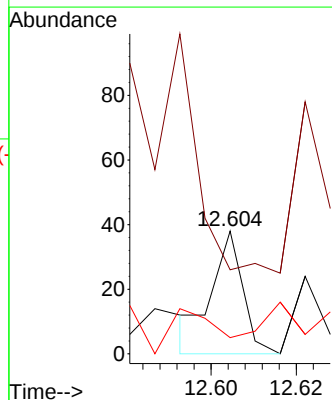
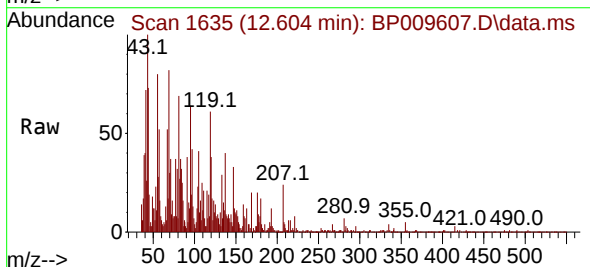
Tgt Ion:237 Resp: 19

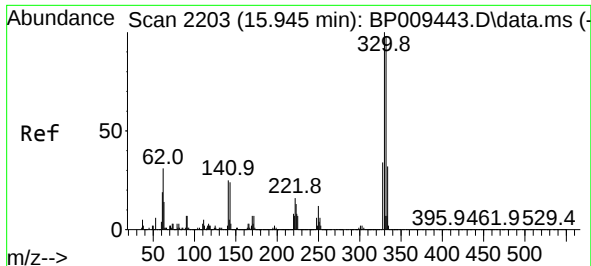
Ion Ratio Lower Upper

237 100

235 68.4 42.6 82.6

272 13.2 0.0 32.8

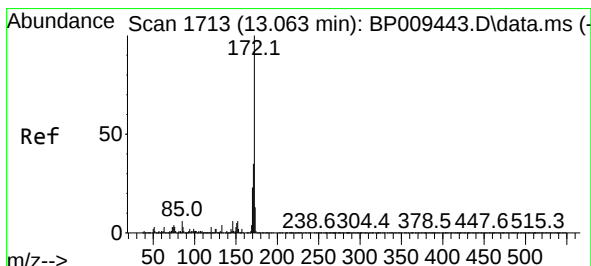
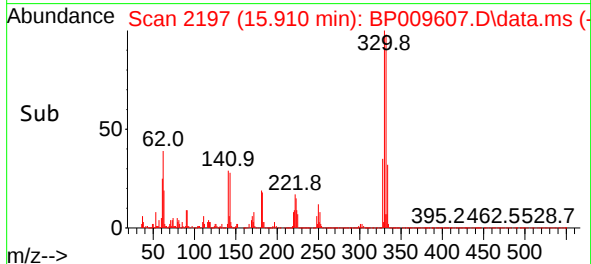
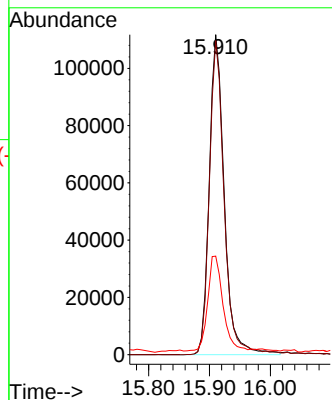
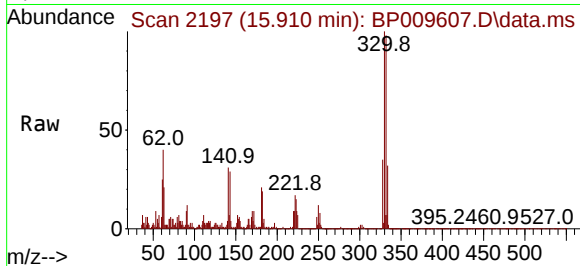




#42
2,4,6-Tribromophenol
Concen: 18.105 ng
RT: 15.910 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

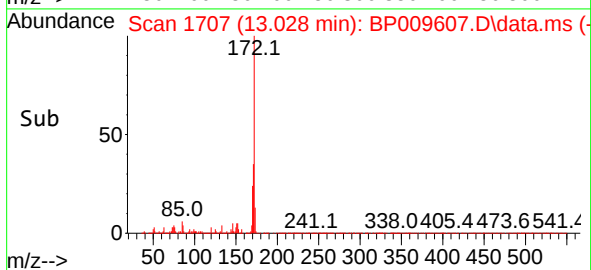
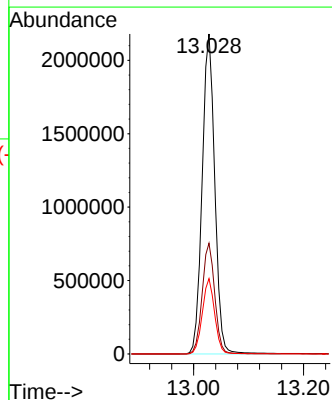
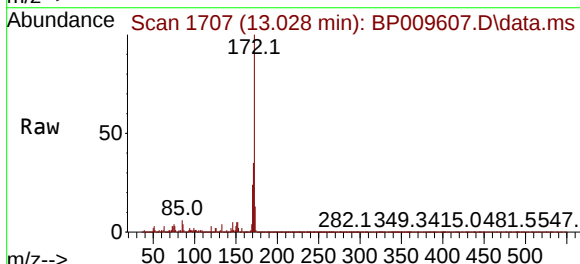
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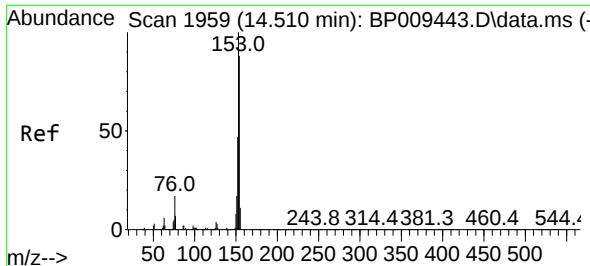
Tgt Ion:330 Resp: 191211
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.6
141 30.4 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 75.315 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

Tgt Ion:172 Resp: 3476982
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 23.5 18.6 27.8

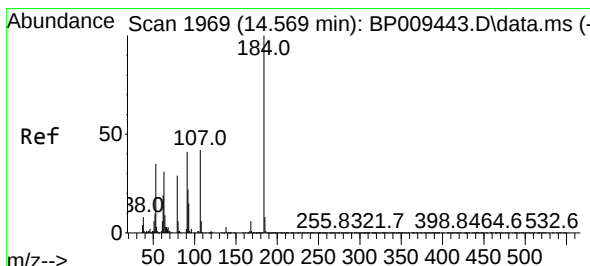
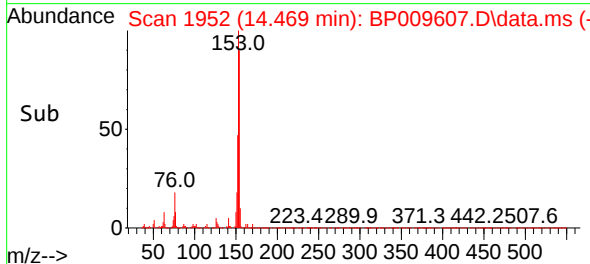
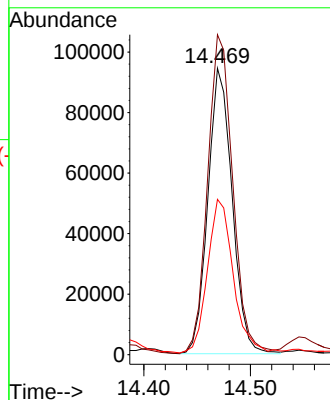
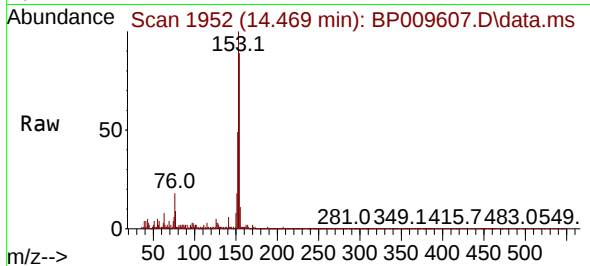




#52
Acenaphthene
Concen: 4.311 ng
RT: 14.469 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

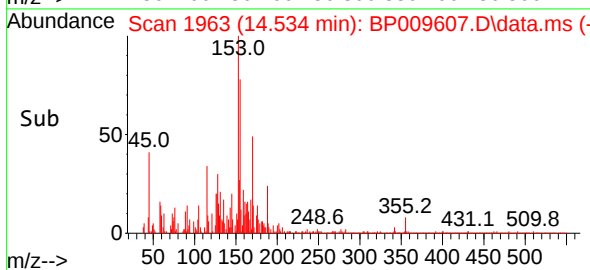
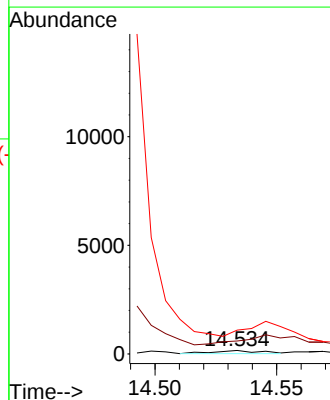
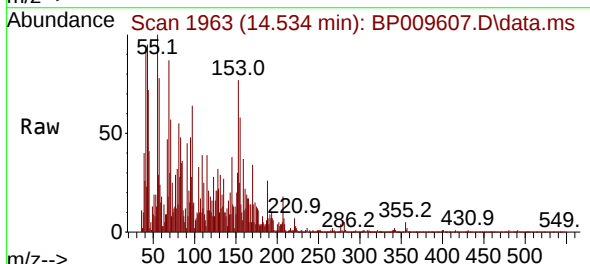
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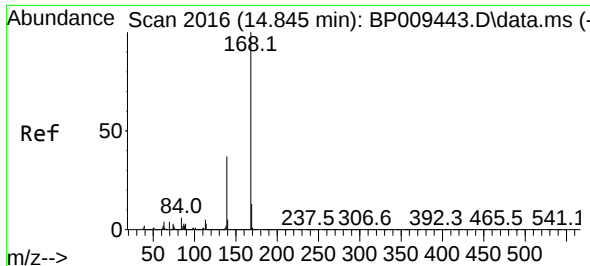
Tgt Ion:154 Resp: 149418
Ion Ratio Lower Upper
154 100
153 111.7 90.2 135.4
152 54.3 42.7 64.1



#54
2,4-Dinitrophenol
Concen: 4.563 ng
RT: 14.534 min Scan# 1963
Delta R.T. -0.017 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

Tgt Ion:184 Resp: 200
Ion Ratio Lower Upper
184 100
63 375.0 46.3 69.5#
154 685.0 45.8 68.6#

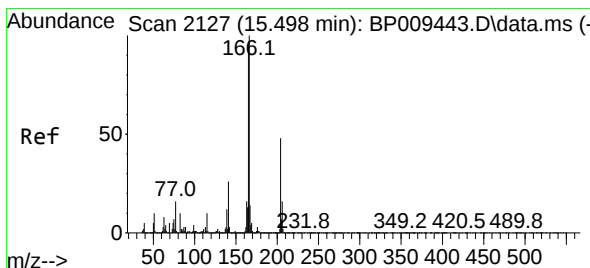
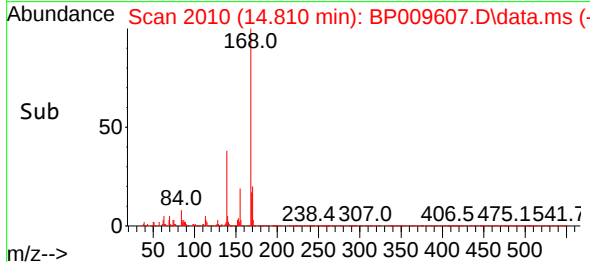
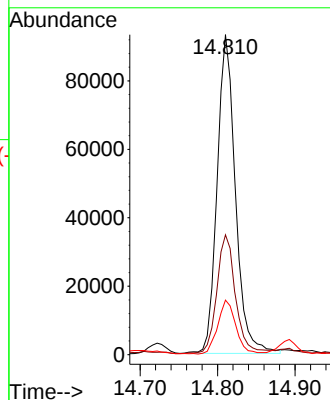
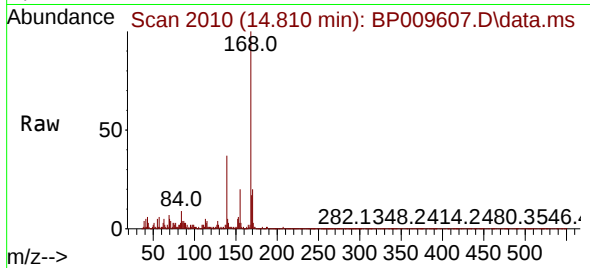




#55
Dibenzenofuran
Concen: 2.628 ng
RT: 14.810 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

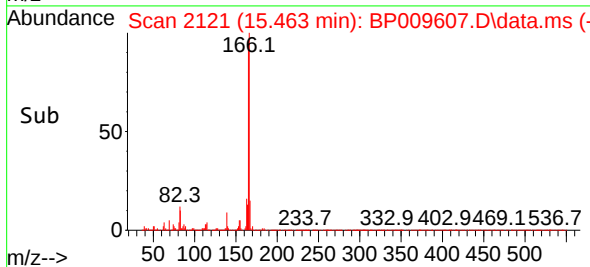
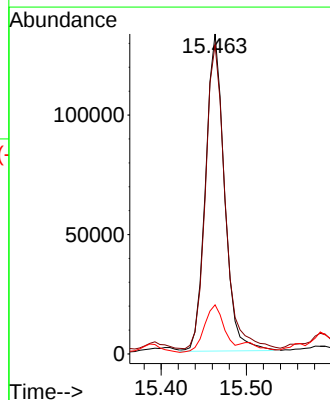
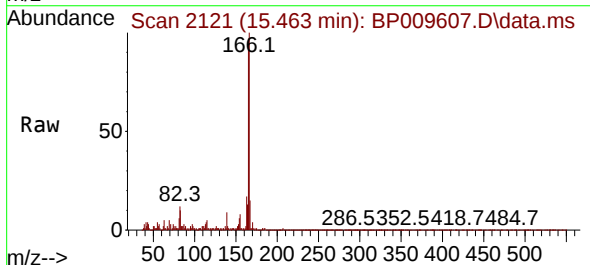
Instrument :
BNA_P
ClientSampleId :
22L076-I

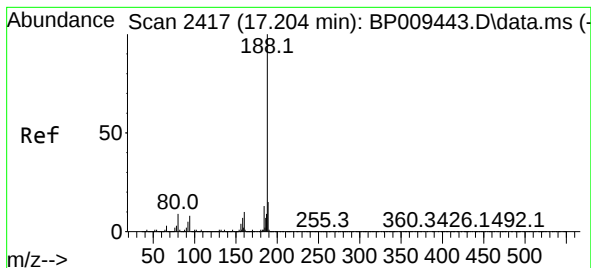
Tgt Ion:168 Resp: 153022
Ion Ratio Lower Upper
168 100
139 37.4 29.1 43.7
169 17.1 10.6 16.0#



#58
Fluorene
Concen: 4.476 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

Tgt Ion:166 Resp: 205012
Ion Ratio Lower Upper
166 100
165 96.6 79.2 118.8
167 15.4 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.175 min Scan# 2412

Delta R.T. 0.000 min

Lab File: BP009607.D

Acq: 29 Mar 2022 22:26

Instrument :

BNA_P

ClientSampleId :

22L076-I

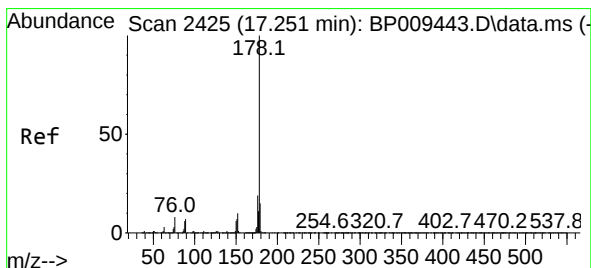
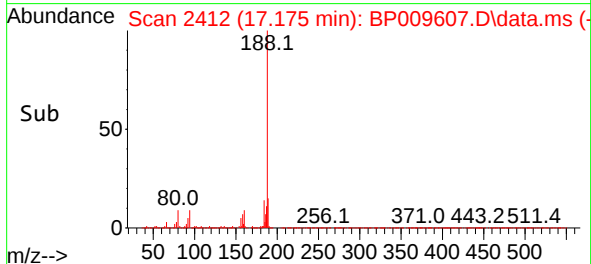
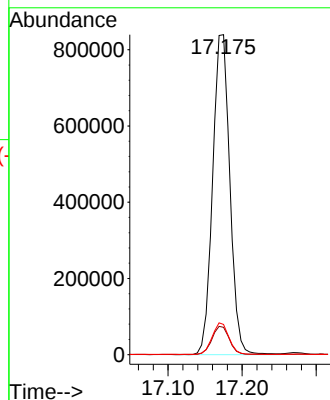
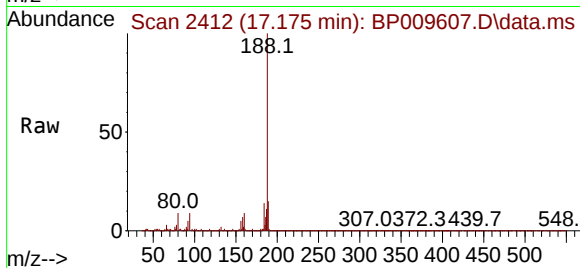
Tgt Ion:188 Resp: 1351652

Ion Ratio Lower Upper

188 100

94 8.6 7.9 11.9

80 9.4 8.8 13.2



#71

Phenanthrene

Concen: 31.824 ng

RT: 17.216 min Scan# 2419

Delta R.T. 0.000 min

Lab File: BP009607.D

Acq: 29 Mar 2022 22:26

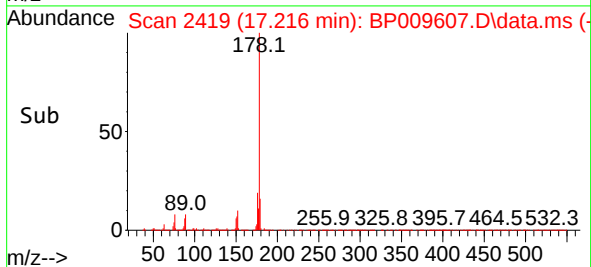
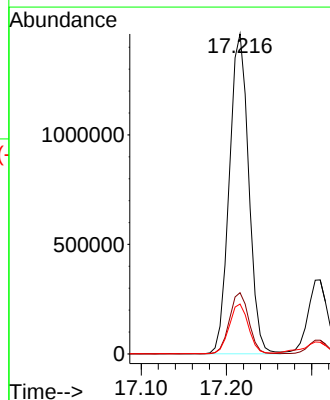
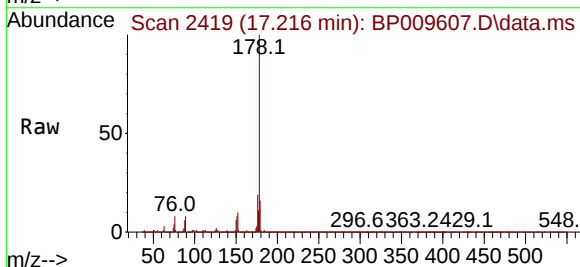
Tgt Ion:178 Resp: 2302588

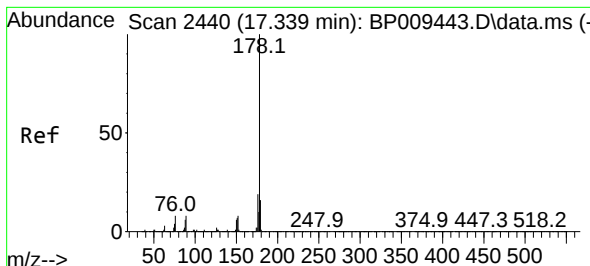
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.6 12.3 18.5





#72

Anthracene

Concen: 7.447 ng

RT: 17.310 min Scan# 2440

Delta R.T. 0.000 min

Lab File: BP009607.D

Acq: 29 Mar 2022 22:26

Instrument :

BNA_P

ClientSampleId :

22L076-I

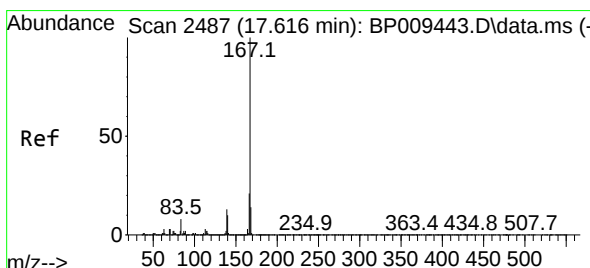
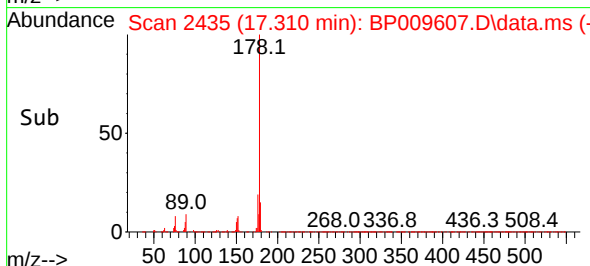
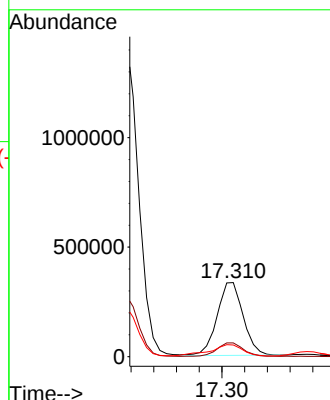
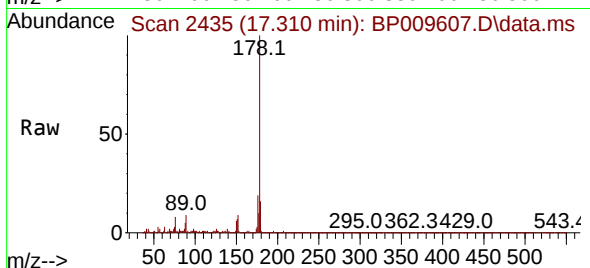
Tgt Ion:178 Resp: 531970

Ion Ratio Lower Upper

178 100

176 18.7 14.8 22.2

179 15.7 12.2 18.4



#73

Carbazole

Concen: 2.704 ng

RT: 17.587 min Scan# 2482

Delta R.T. 0.000 min

Lab File: BP009607.D

Acq: 29 Mar 2022 22:26

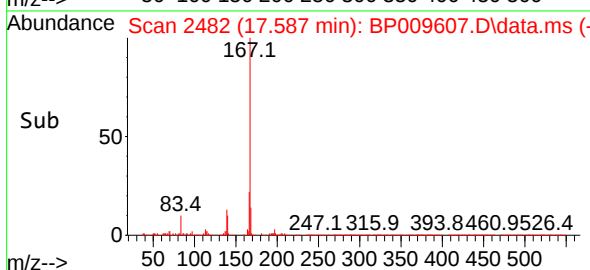
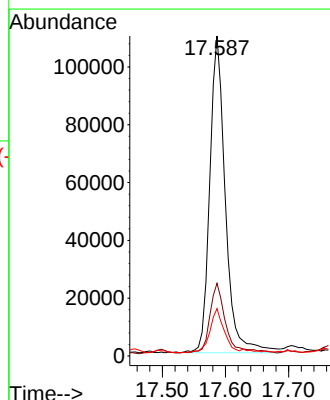
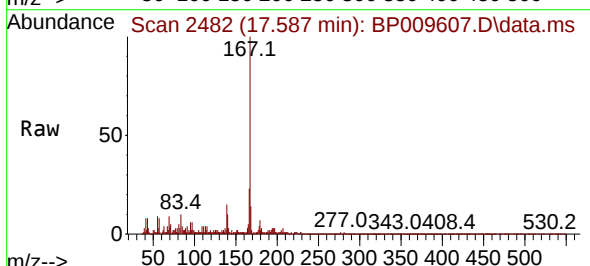
Tgt Ion:167 Resp: 188924

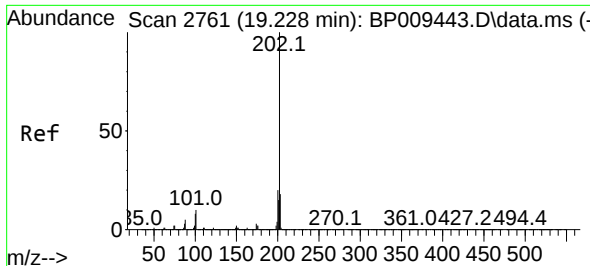
Ion Ratio Lower Upper

167 100

166 22.7 17.2 25.8

139 14.8 10.3 15.5

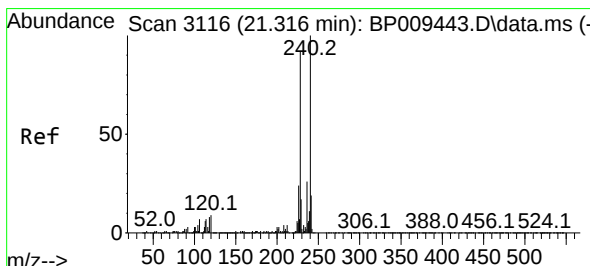
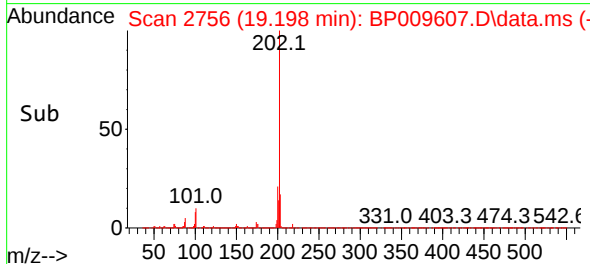
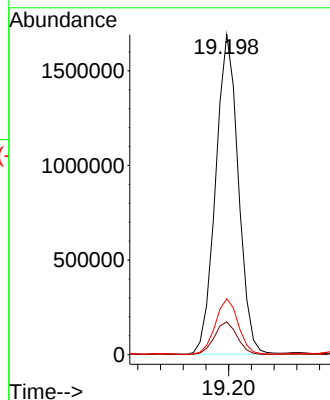
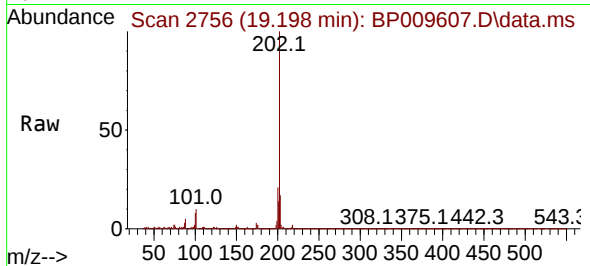




#75
Fluoranthene
Concen: 26.811 ng
RT: 19.198 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

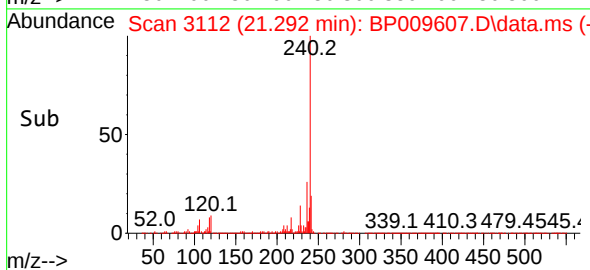
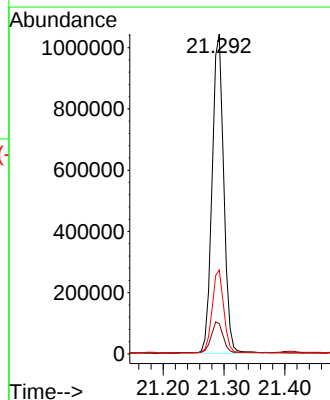
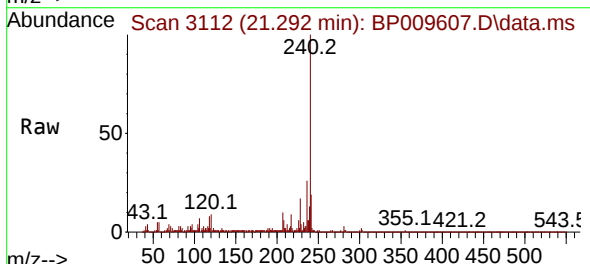
Instrument :
BNA_P
ClientSampleId :
22L076-I

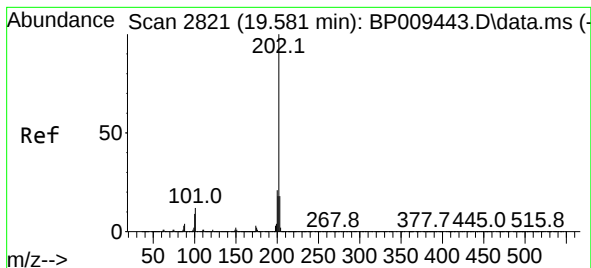
Tgt Ion:202 Resp: 2348504
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.5
203 17.5 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

Tgt Ion:240 Resp: 1389298
Ion Ratio Lower Upper
240 100
120 9.4 9.0 13.4
236 26.2 20.6 30.8





#78

Pyrene

Concen: 25.226 ng

RT: 19.551 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP009607.D

Acq: 29 Mar 2022 22:26

Instrument :

BNA_P

ClientSampleId :

22L076-I

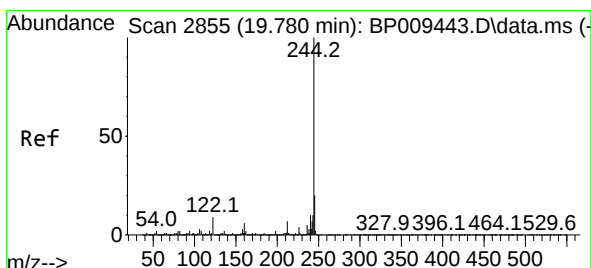
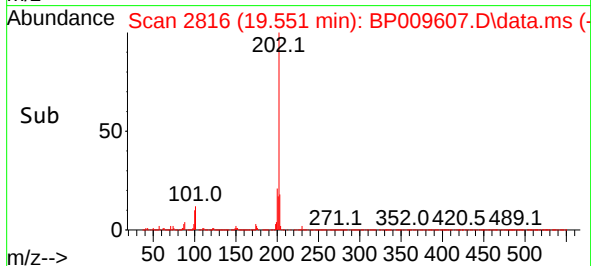
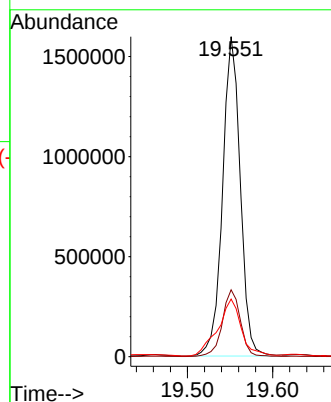
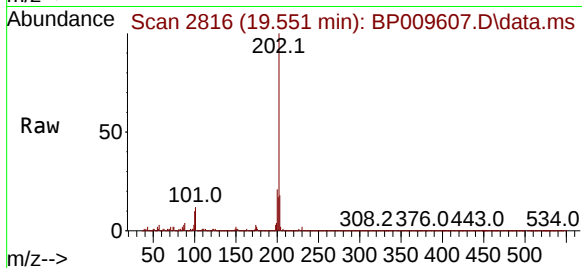
Tgt Ion:202 Resp: 2309421

Ion Ratio Lower Upper

202 100

200 20.9 16.8 25.2

203 18.0 14.2 21.4



#79

Terphenyl-d14

Concen: 72.526 ng

RT: 19.751 min Scan# 2850

Delta R.T. -0.006 min

Lab File: BP009607.D

Acq: 29 Mar 2022 22:26

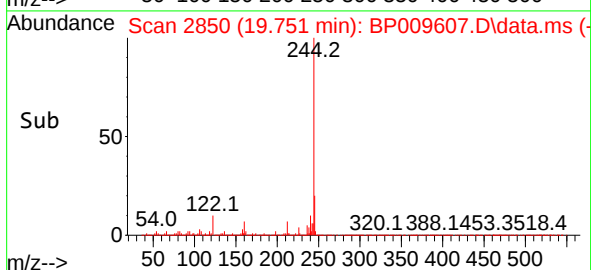
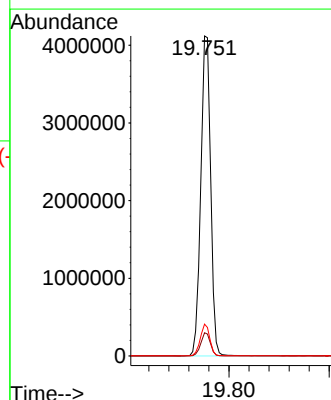
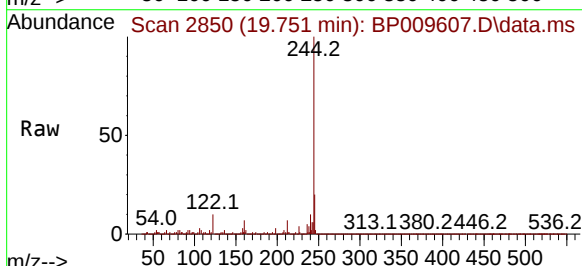
Tgt Ion:244 Resp: 5613764

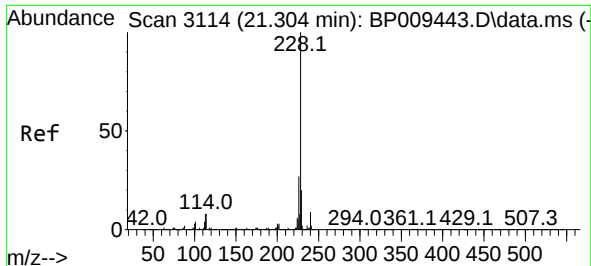
Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 10.0 8.3 12.5

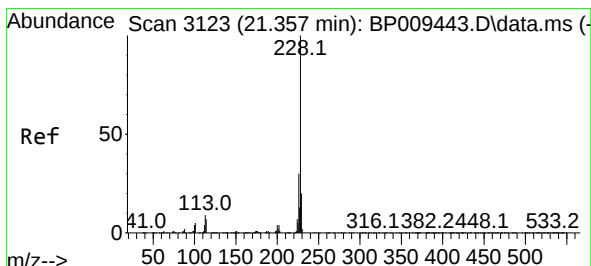
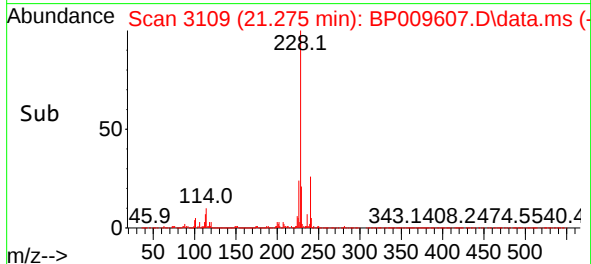
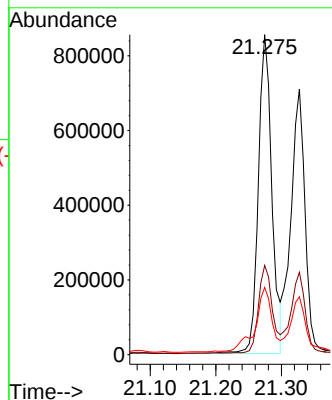
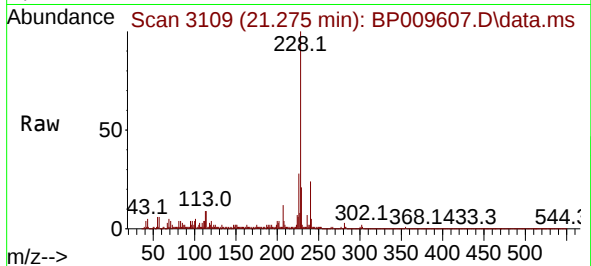




#81
Benzo(a)anthracene
Concen: 13.358 ng
RT: 21.275 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

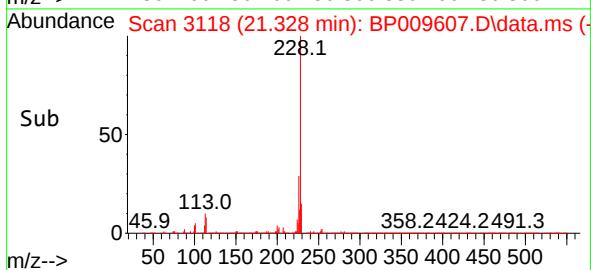
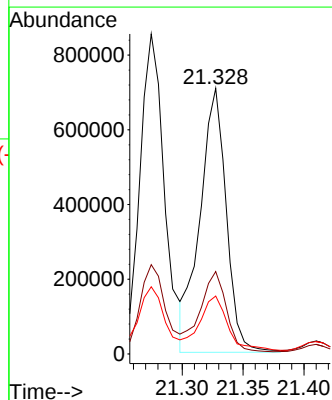
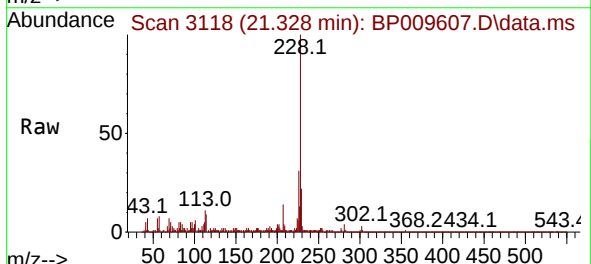
Instrument :
BNA_P
ClientSampleId :
22L076-I

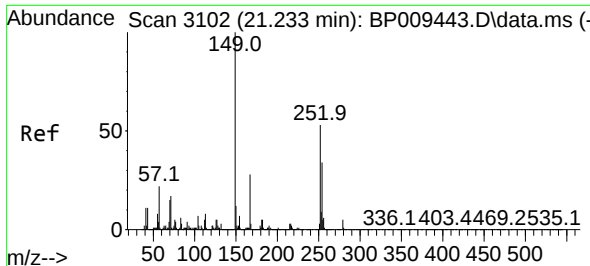
Tgt Ion:228 Resp: 1219220
Ion Ratio Lower Upper
228 100
226 27.9 22.0 33.0
229 21.0 16.1 24.1



#83
Chrysene
Concen: 12.327 ng
RT: 21.328 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

Tgt Ion:228 Resp: 1065388
Ion Ratio Lower Upper
228 100
226 31.0 24.2 36.2
229 21.8 16.1 24.1

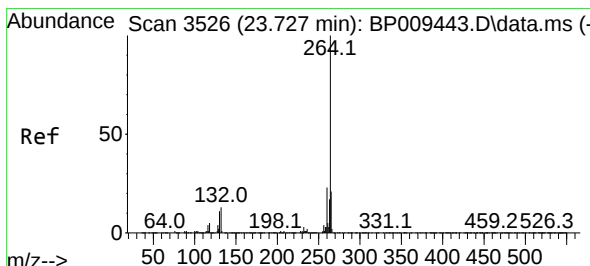
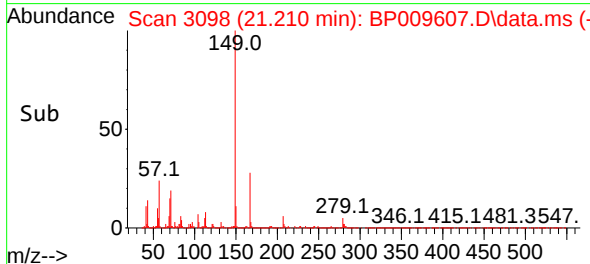
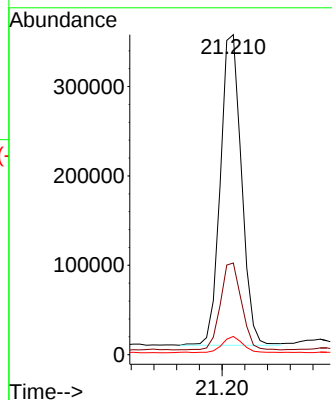
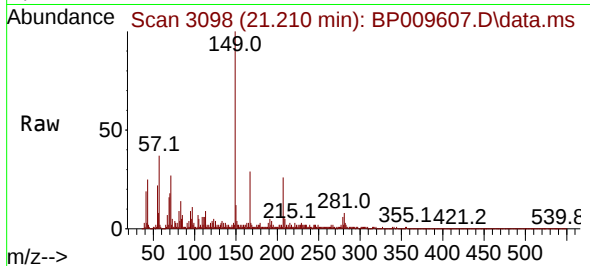




#84
Bis(2-ethylhexyl)phthalate
Concen: 8.282 ng
RT: 21.210 min Scan# 3098
Delta R.T. 0.000 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

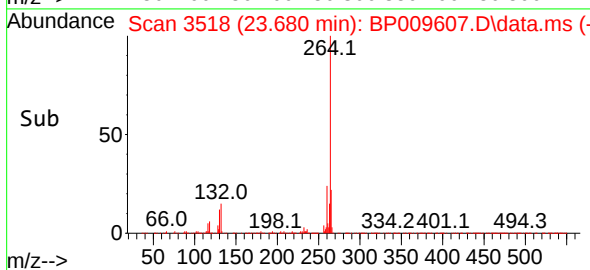
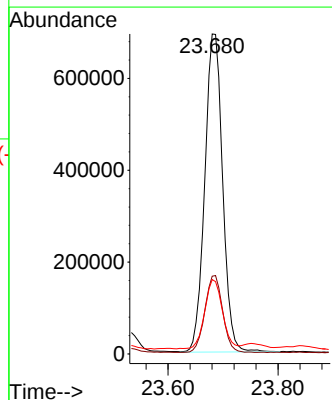
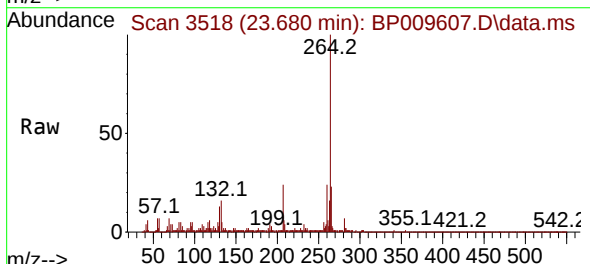
Instrument :
BNA_P
ClientSampleId :
22L076-I

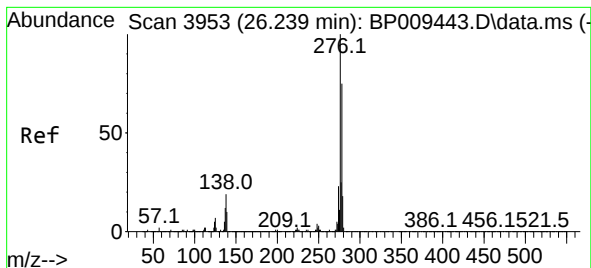
Tgt Ion:149 Resp: 449212
Ion Ratio Lower Upper
149 100
167 28.6 22.6 33.8
279 5.7 3.8 5.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.680 min Scan# 3518
Delta R.T. -0.006 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

Tgt Ion:264 Resp: 1563522
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.0
265 23.3 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.267 ng

RT: 26.174 min Scan# 3942

Delta R.T. -0.006 min

Lab File: BP009607.D

Acq: 29 Mar 2022 22:26

Instrument :

BNA_P

ClientSampleId :

22L076-I

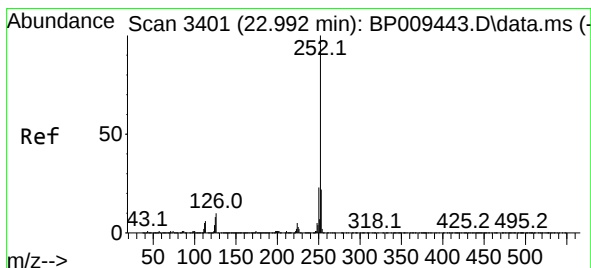
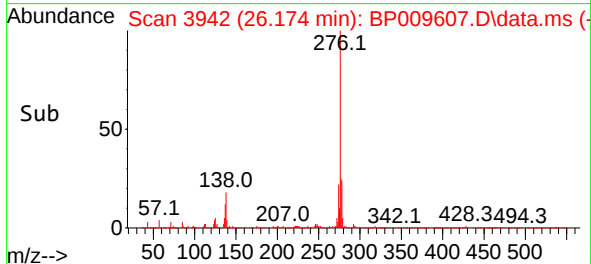
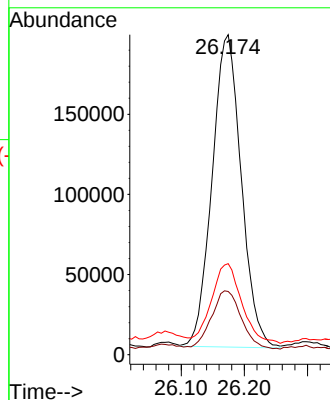
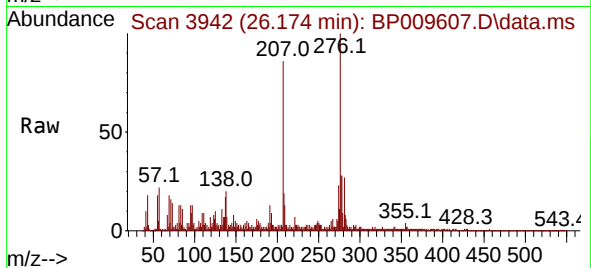
Tgt Ion:276 Resp: 624739

Ion Ratio Lower Upper

276 100

138 19.1 20.5 30.7#

277 26.3 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 14.341 ng

RT: 22.957 min Scan# 3395

Delta R.T. -0.006 min

Lab File: BP009607.D

Acq: 29 Mar 2022 22:26

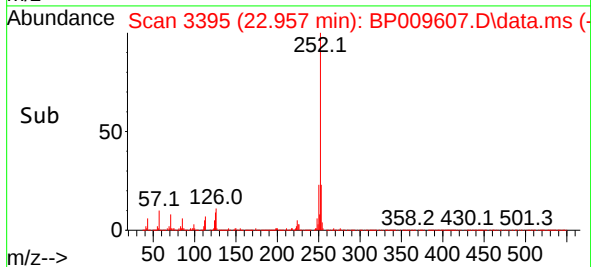
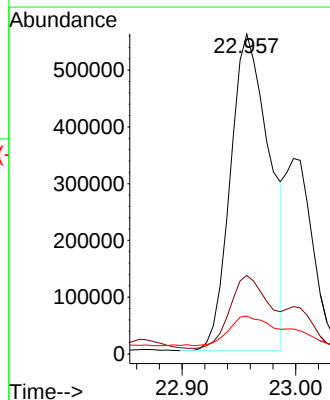
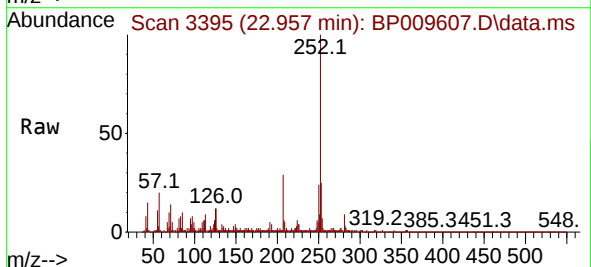
Tgt Ion:252 Resp: 1338595

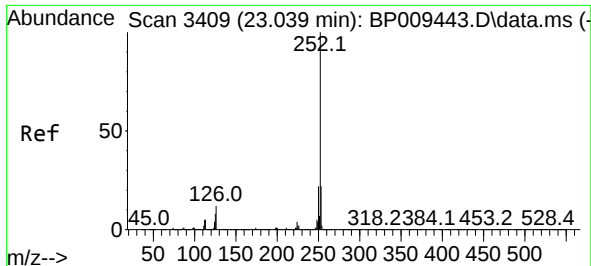
Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.8

125 11.9 8.1 12.1

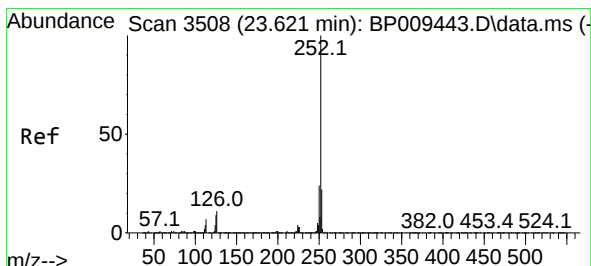
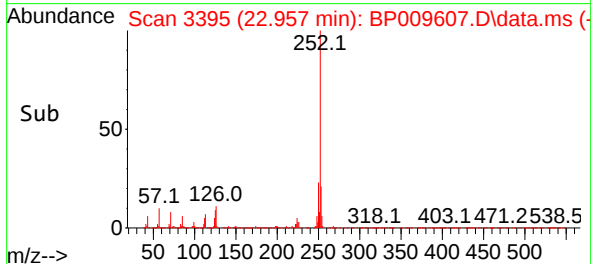
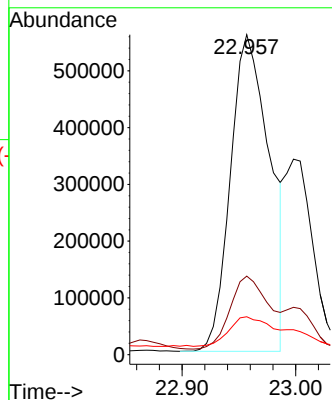
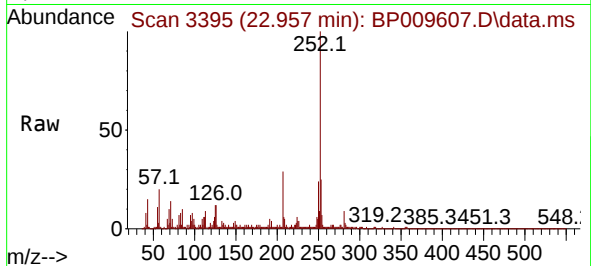




#89
Benzo(k)fluoranthene
Concen: 14.647 ng
RT: 22.957 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

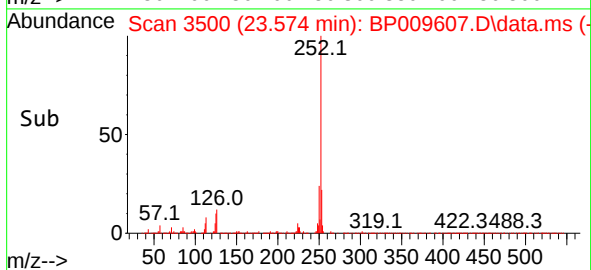
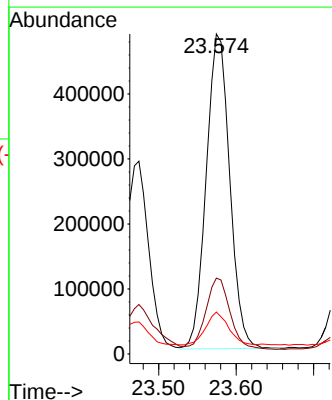
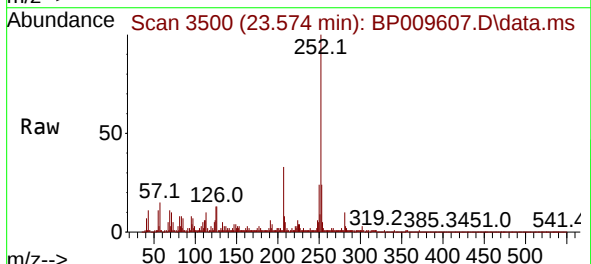
Instrument :
BNA_P
ClientSampleId :
22L076-I

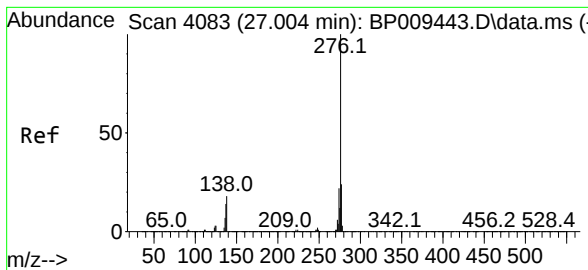
Tgt Ion:252 Resp: 1338595
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 11.9 8.3 12.5



#90
Benzo(a)pyrene
Concen: 12.759 ng
RT: 23.574 min Scan# 3500
Delta R.T. -0.006 min
Lab File: BP009607.D
Acq: 29 Mar 2022 22:26

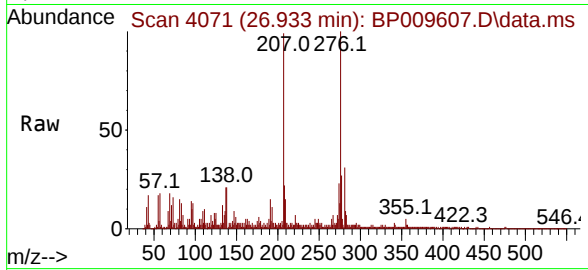
Tgt Ion:252 Resp: 1018881
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 13.1 9.3 13.9





#92
 Benzo(g,h,i)perylene
 Concen: 6.456 ng
 RT: 26.933 min Scan# 4083
 Delta R.T. -0.011 min
 Lab File: BP009607.D
 Acq: 29 Mar 2022 22:26

Instrument :
 BNA_P
 ClientSampleId :
 22L076-I



Tgt Ion: 276 Resp: 627919

Ion	Ratio	Lower	Upper
276	100		
277	27.0	19.2	28.8
138	20.6	18.0	27.0

