

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040122\
 Data File : BP009670.D
 Acq On : 01 Apr 2022 22:00
 Operator : CG/JU
 Sample : N2123-02DL 50X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 20220339-AMENDED-COMP-CS-1DL

Quant Time: Apr 01 22:46:15 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)

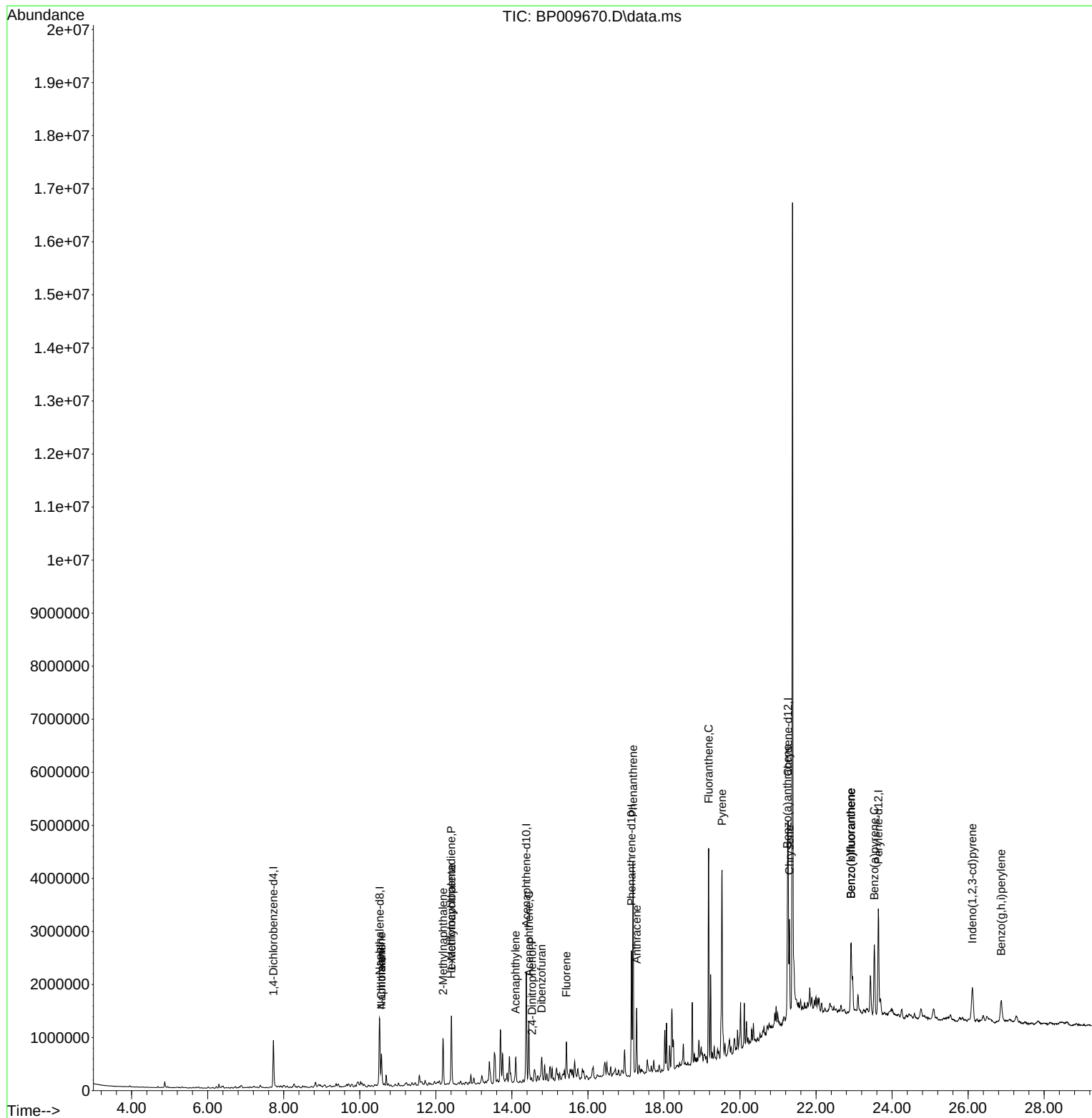
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	275062	20.000	ng	-0.01
21) Naphthalene-d8	10.522	136	1162801	20.000	ng	-0.01
39) Acenaphthene-d10	14.381	164	738803	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	1528274	20.000	ng	-0.01
76) Chrysene-d12	21.263	240	1460008	20.000	ng	-0.01
86) Perylene-d12	23.639	264	1561707	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	2096	0.133	ng	0.01
7) Phenol-d6	6.975	99	15901	0.746	ng	0.04
23) Nitrobenzene-d5	8.910	82	15924	0.728	ng	0.01
42) 2,4,6-Tribromophenol	15.898	330	2199	0.180	ng	0.00
45) 2-Fluorobiphenyl	12.999	172	70827	1.329	ng	-0.01
79) Terphenyl-d14	19.722	244	113380	1.394	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.875	77	2475	Below Cal	#	1
31) Naphthalene	10.569	128	543442	9.073	ng	99
33) 4-Chloroaniline	10.569	127	70524	2.885	ng	# 34
37) 2-Methylnaphthalene	12.193	142	447583	10.650	ng	99
38) 1-Methylnaphthalene	12.410	142	657208	16.053	ng	100
41) Hexachlorocyclopentadiene	12.404	237	38	7.292	ng	82
49) Acenaphthylene	14.098	152	141449	2.112	ng	# 87
52) Acenaphthene	14.445	154	424661	10.613	ng	98
54) 2,4-Dinitrophenol	14.528	184	77	4.543	ng	# 1
55) Dibenzofuran	14.781	168	137285	2.042	ng	# 89
58) Fluorene	15.434	166	316086	5.979	ng	# 99
71) Phenanthrene	17.187	178	2590178	31.661	ng	99
72) Anthracene	17.281	178	846482	10.480	ng	99
75) Fluoranthene	19.175	202	2429561	24.531	ng	99
78) Pyrene	19.528	202	2378119	24.718	ng	100
81) Benzo(a)anthracene	21.245	228	1206225	12.575	ng	98
83) Chrysene	21.298	228	993563	10.939	ng	98
87) Indeno(1,2,3-cd)pyrene	26.110	276	596222	5.032	ng	# 93
88) Benzo(b)fluoranthene	22.922	252	1603212	17.196	ng	99
89) Benzo(k)fluoranthene	22.922	252	1603212	17.563	ng	98
90) Benzo(a)pyrene	23.533	252	1020825	12.798	ng	98
92) Benzo(g,h,i)perylene	26.868	276	585037	6.022	ng	94

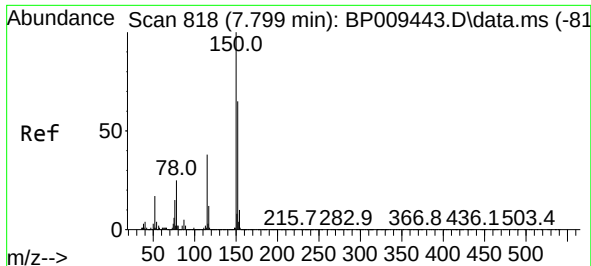
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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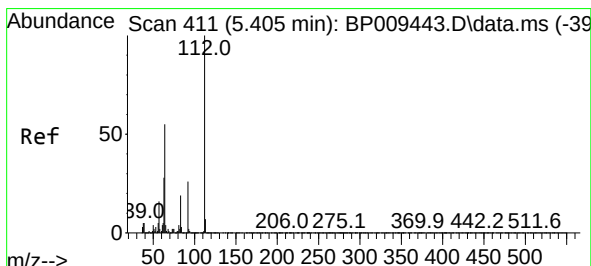
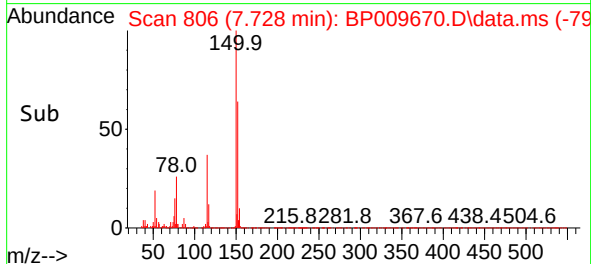
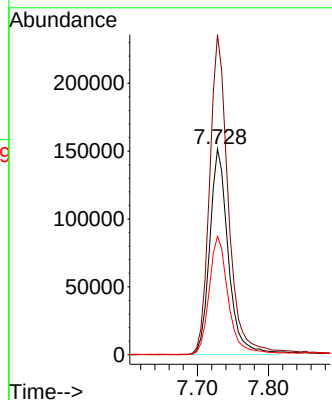
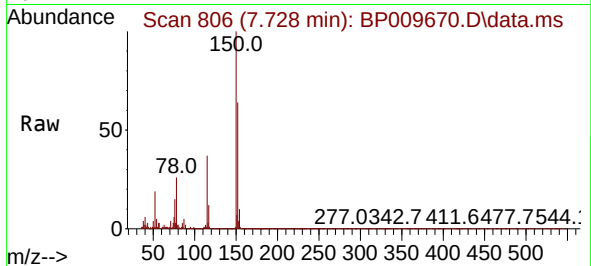




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

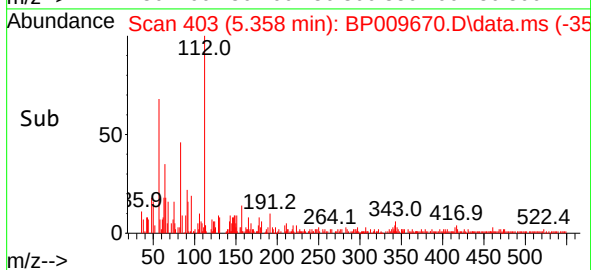
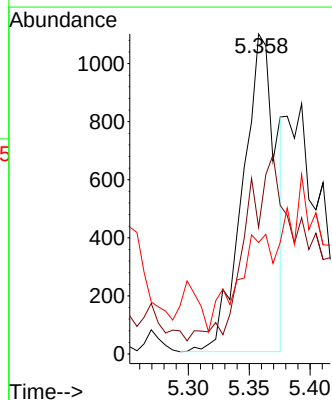
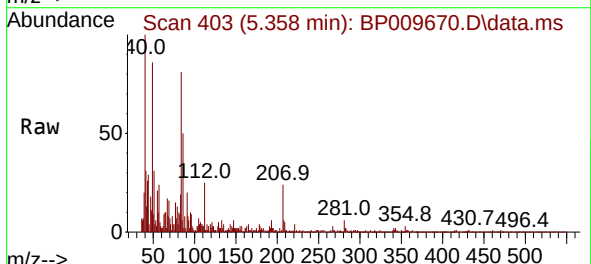
Instrument :
BNA_P
ClientSampleId :
20220339-AMENDED-COMP-CS-1DL

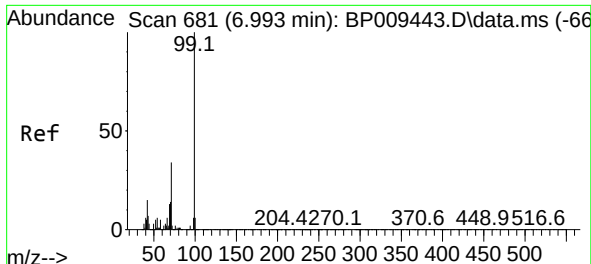
Tgt Ion:152 Resp: 275062
Ion Ratio Lower Upper
152 100
150 155.6 124.5 186.7
115 57.6 48.2 72.4



#5
2-Fluorophenol
Concen: 0.133 ng
RT: 5.358 min Scan# 403
Delta R.T. 0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

Tgt Ion:112 Resp: 2096
Ion Ratio Lower Upper
112 100
64 39.6 45.0 67.4#
63 34.8 23.0 34.6#





#7

Phenol-d6

Concen: 0.746 ng

RT: 6.975 min Scan# 61

Delta R.T. 0.041 min

Lab File: BP009670.D

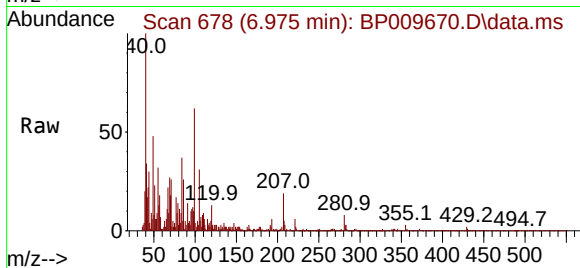
Acq: 01 Apr 2022 22:00

Instrument :

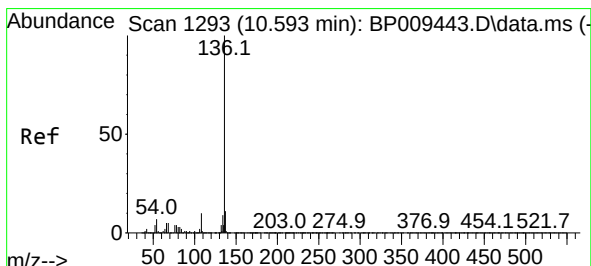
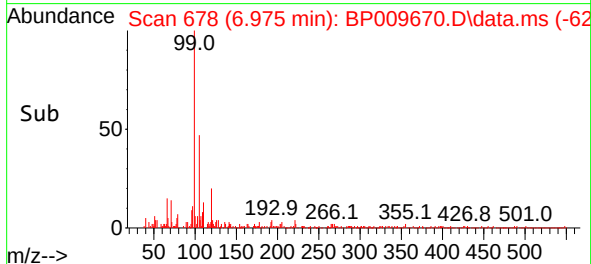
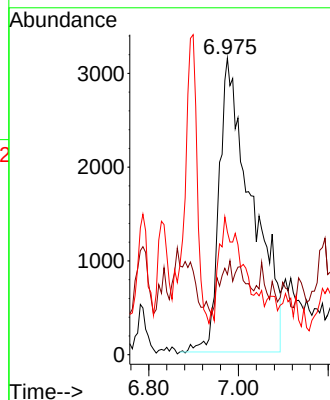
BNA_P

ClientSampleId :

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Tgt Ion:	99	Resp:	15901
Ion Ratio	100	Lower	Upper
99	100		
42	27.1	12.8	19.2#
71	41.4	26.3	39.5#



#21

Naphthalene-d8

Concen: 20.000 ng

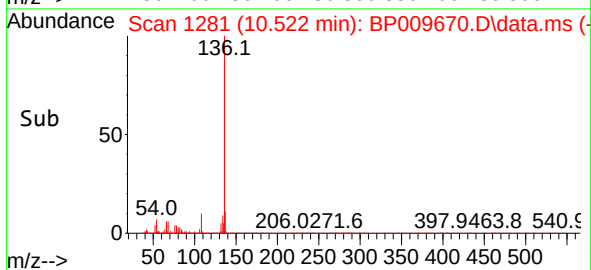
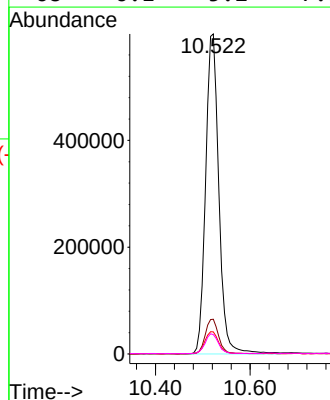
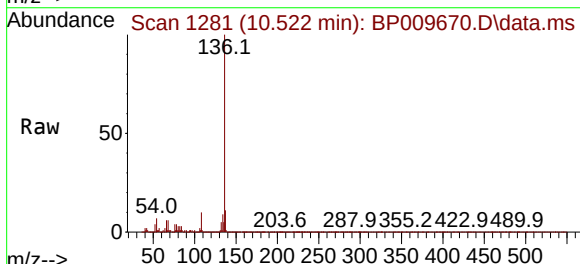
RT: 10.522 min Scan# 1281

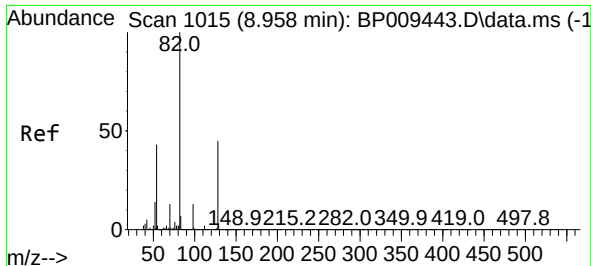
Delta R.T. -0.012 min

Lab File: BP009670.D

Acq: 01 Apr 2022 22:00

Tgt Ion:	136	Resp:	1162801
Ion Ratio	100	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	6.9	5.8	8.8
68	6.1	5.2	7.8





#23

Nitrobenzene-d5

Concen: 0.728 ng

RT: 8.910 min Scan# 1015

Delta R.T. 0.012 min

Lab File: BP009670.D

Acq: 01 Apr 2022 22:00

Instrument :

BNA_P

ClientSampleId :

20220339-AMENDED-COMP-CS-1DL

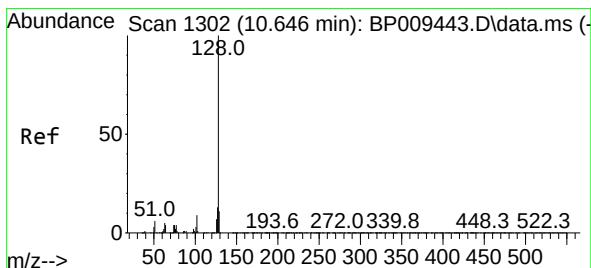
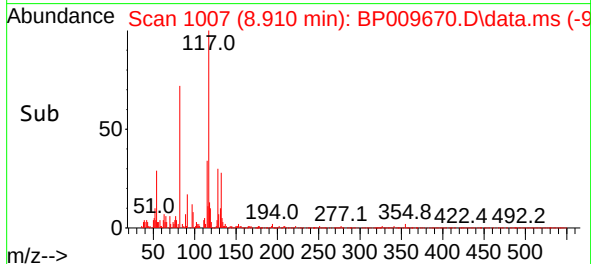
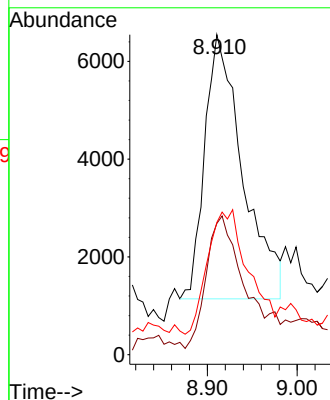
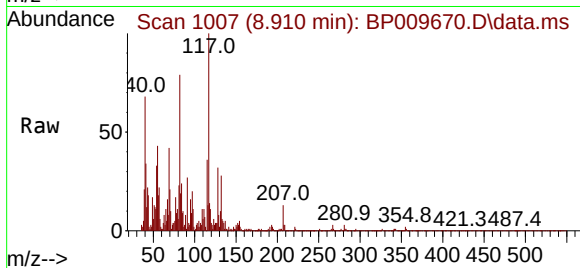
Tgt Ion: 82 Resp: 15924

Ion Ratio Lower Upper

82 100

128 41.0 34.2 51.4

54 41.3 34.7 52.1



#31

Naphthalene

Concen: 9.073 ng

RT: 10.569 min Scan# 1289

Delta R.T. -0.012 min

Lab File: BP009670.D

Acq: 01 Apr 2022 22:00

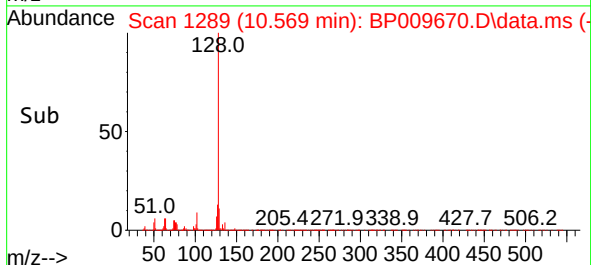
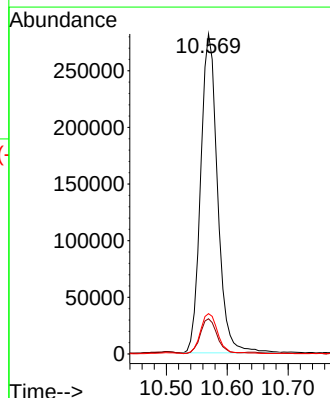
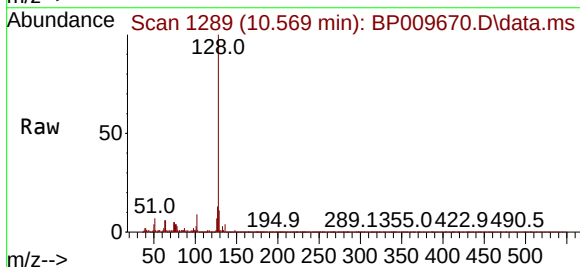
Tgt Ion: 128 Resp: 543442

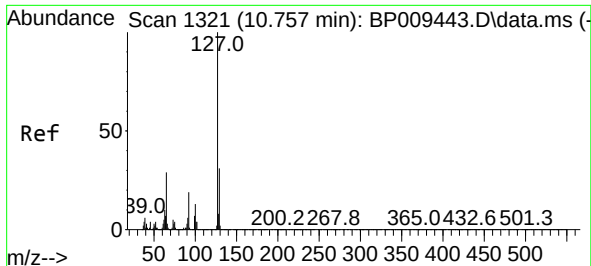
Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

127 12.6 10.5 15.7

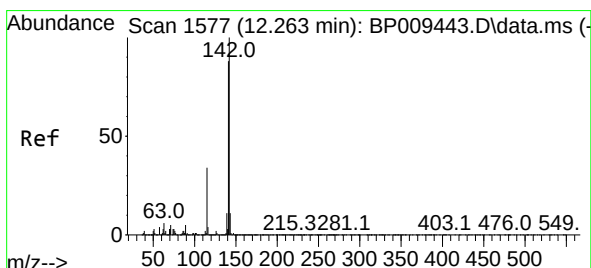
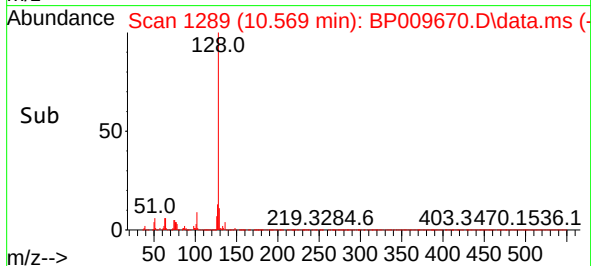
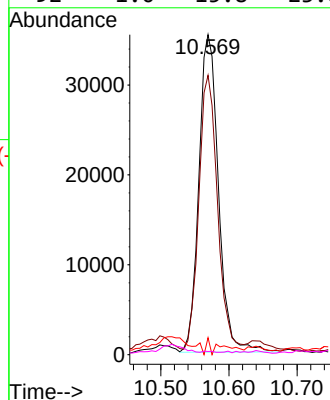
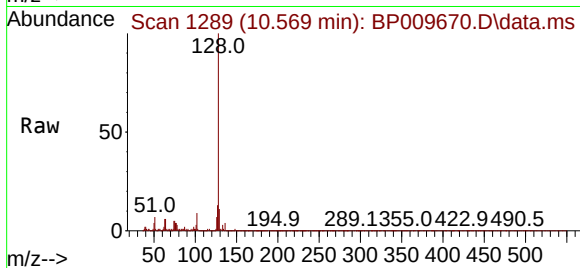




#33
4-Chloroaniline
Concen: 2.885 ng
RT: 10.569 min Scan# 1565
Delta R.T. -0.129 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

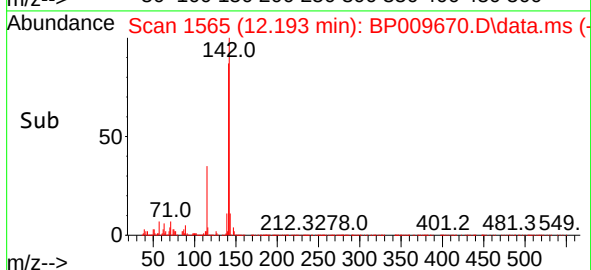
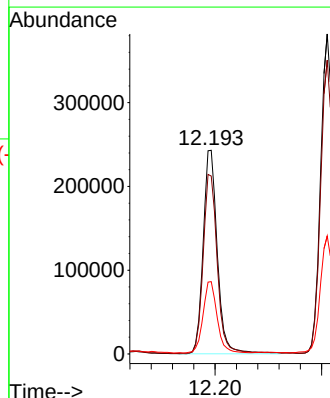
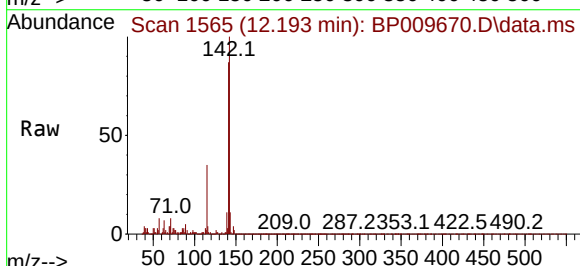
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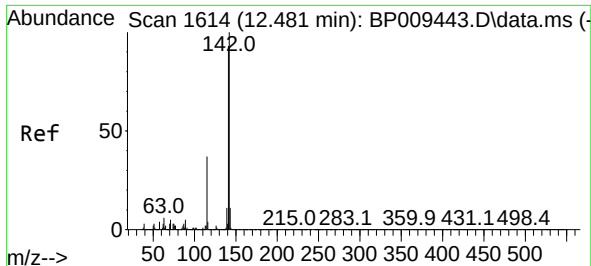
Tgt Ion:	127	Resp:	70524
Ion	Ratio	Lower	Upper
127	100		
129	87.3	25.5	38.3#
65	5.3	24.3	36.5#
92	1.0	15.8	23.8#



#37
2-Methylnaphthalene
Concen: 10.650 ng
RT: 12.193 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

Tgt Ion:	142	Resp:	447583
Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.2	105.4
115	35.5	27.4	41.2

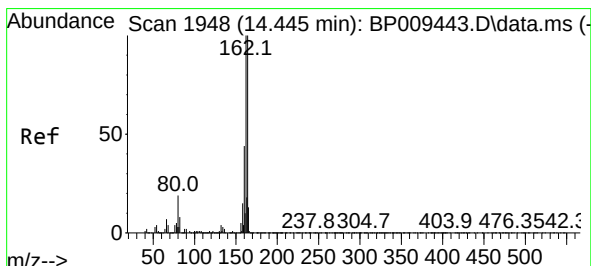
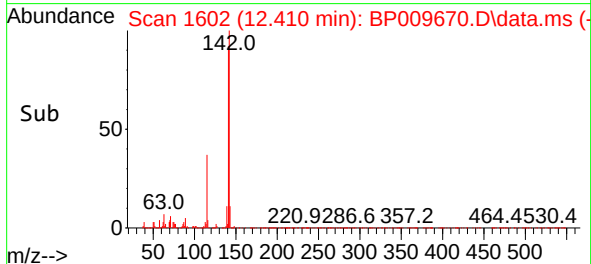
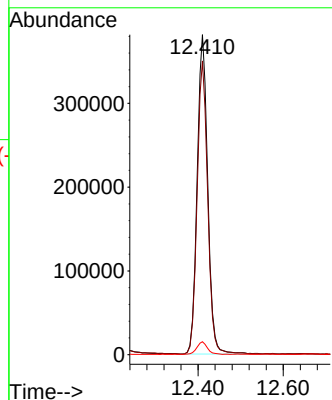
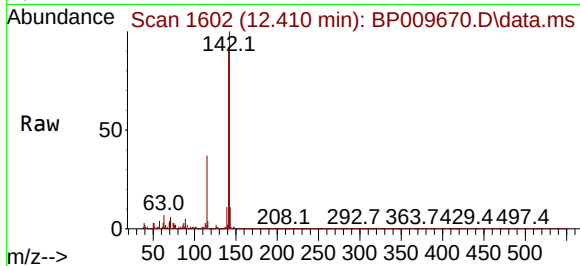




#38
1-Methylnaphthalene
Concen: 16.053 ng
RT: 12.410 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

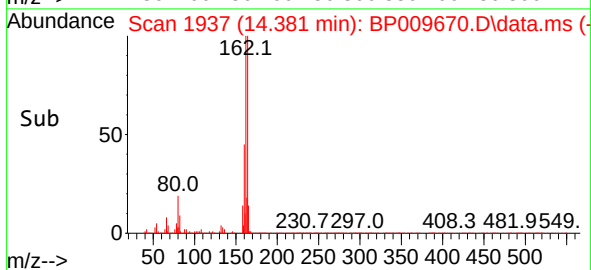
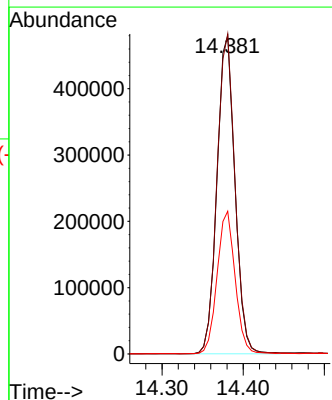
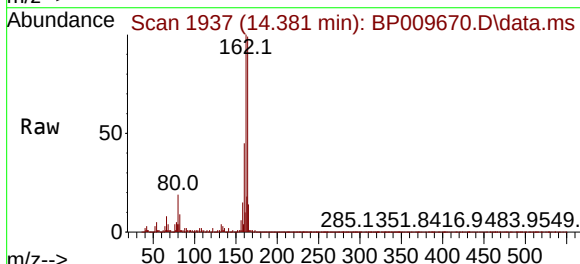
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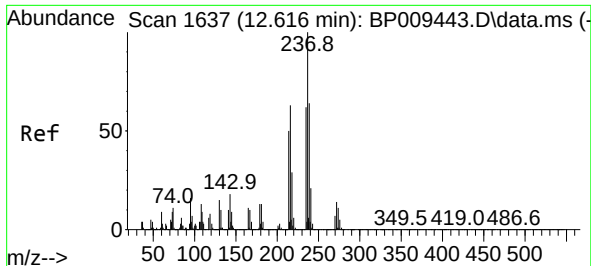
Tgt Ion:142 Resp: 657208
Ion Ratio Lower Upper
142 100
141 91.8 73.5 110.3
116 4.0 3.3 4.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

Tgt Ion:164 Resp: 738803
Ion Ratio Lower Upper
164 100
162 100.5 79.1 118.7
160 44.8 34.9 52.3

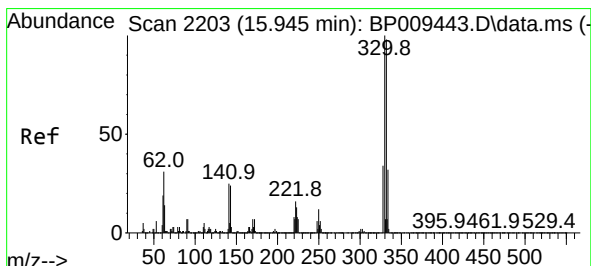
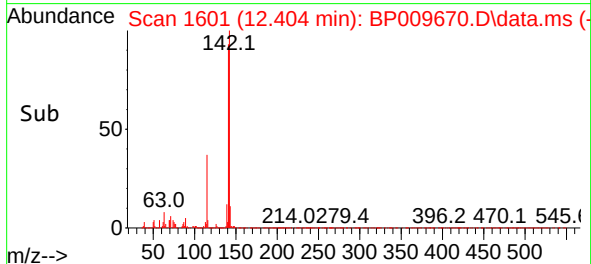
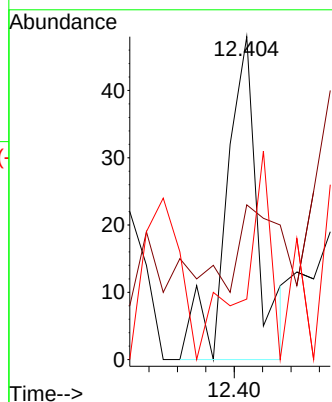
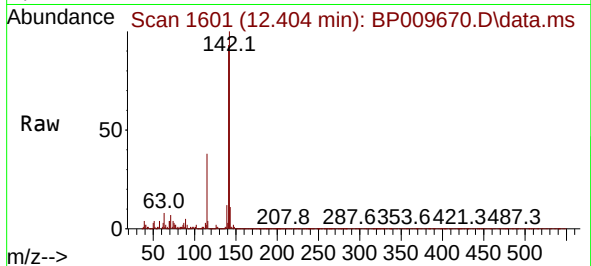




#41
Hexachlorocyclopentadiene
Concen: 7.292 ng
RT: 12.404 min Scan# 1
Delta R.T. -0.153 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

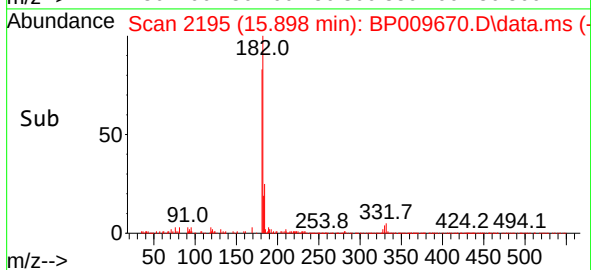
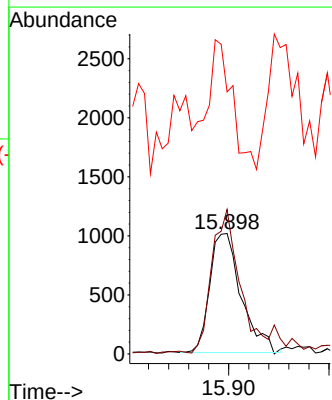
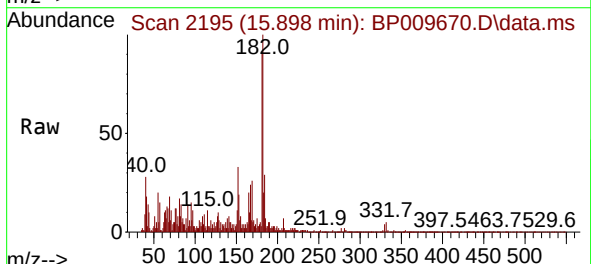
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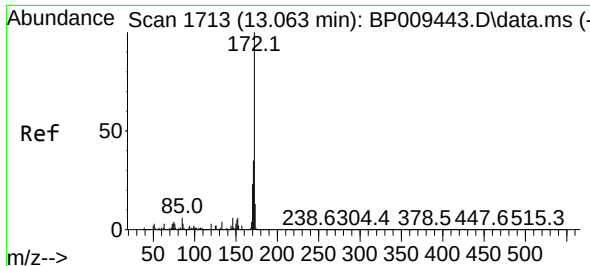
Tgt Ion:237	Resp:	38
Ion	Ratio	Lower Upper
237	100	
235	47.9	42.6 82.6
272	18.8	0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 0.180 ng
RT: 15.898 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

Tgt Ion:330	Resp:	2199
Ion	Ratio	Lower Upper
330	100	
332	106.1	77.0 115.6
141	79.1	27.6 41.4#

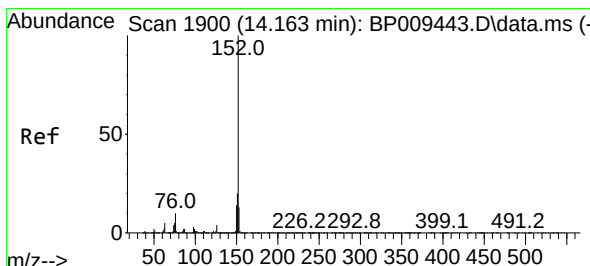
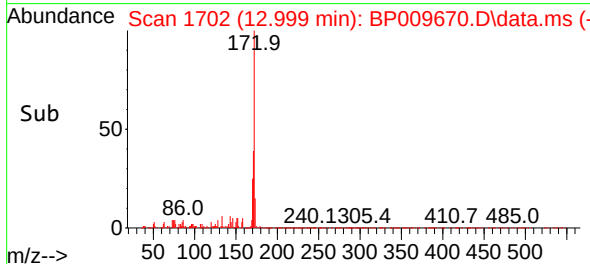
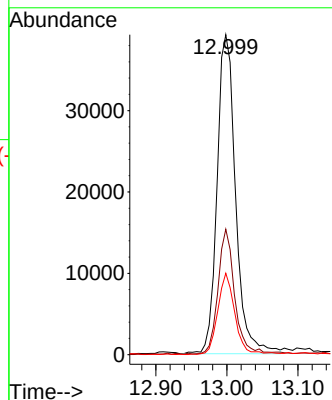
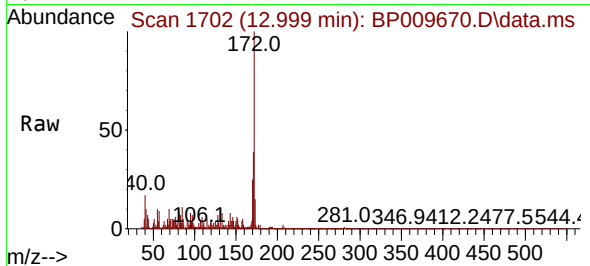




#45
2-Fluorobiphenyl
Concen: 1.329 ng
RT: 12.999 min Scan# 1889
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

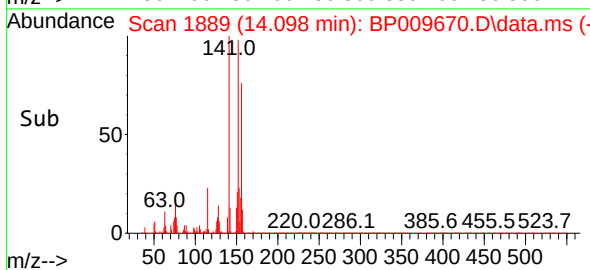
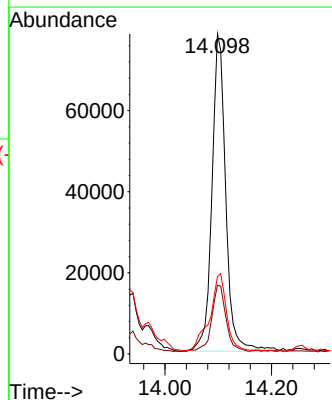
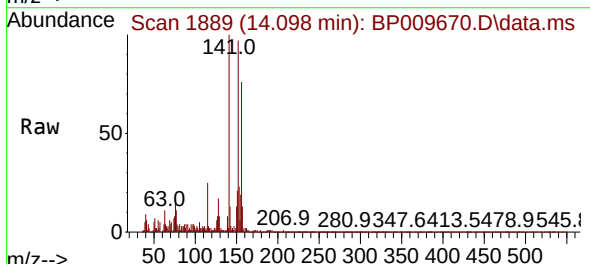
Instrument : BNA_P
ClientSampleId : 20220339-AMENDED-COMP-CS-1DL

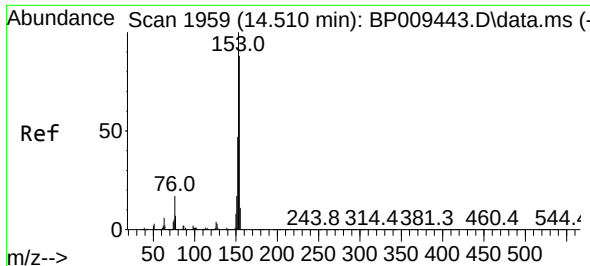
Tgt Ion:172 Resp: 70827
Ion Ratio Lower Upper
172 100
171 39.2 28.0 42.0
170 25.4 18.6 27.8



#49
Acenaphthylene
Concen: 2.112 ng
RT: 14.098 min Scan# 1889
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

Tgt Ion:152 Resp: 141449
Ion Ratio Lower Upper
152 100
151 21.5 15.9 23.9
153 24.1 10.7 16.1#

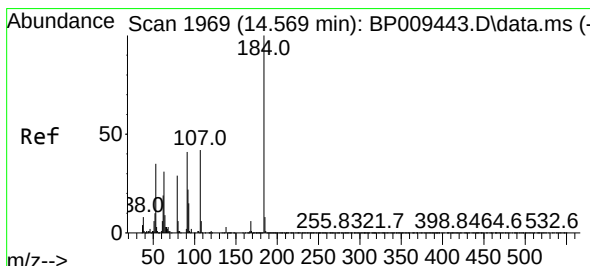
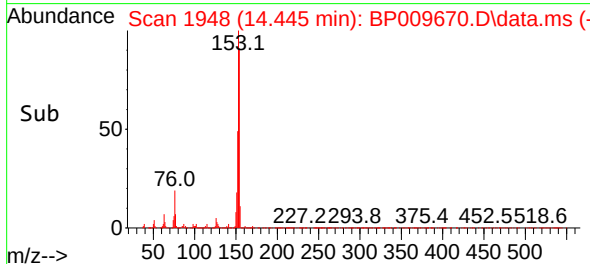
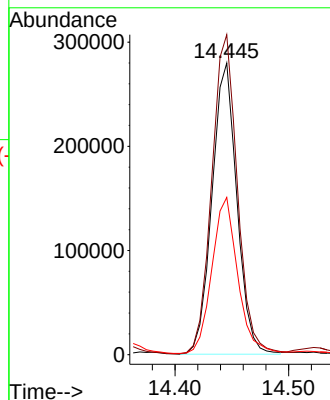
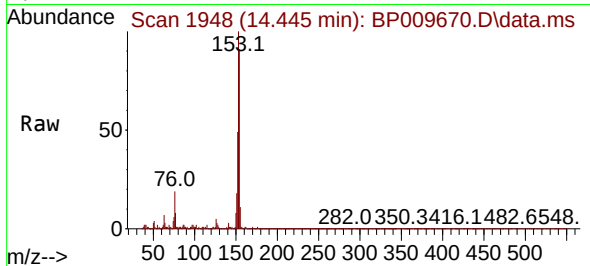




#52
Acenaphthene
Concen: 10.613 ng
RT: 14.445 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

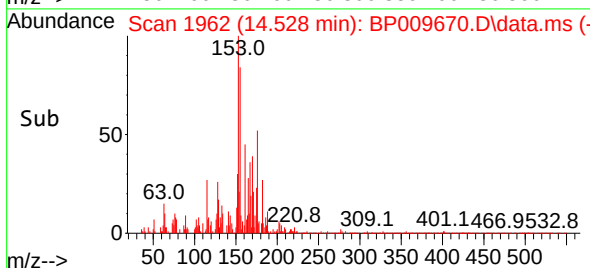
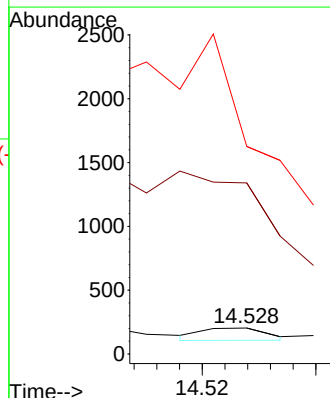
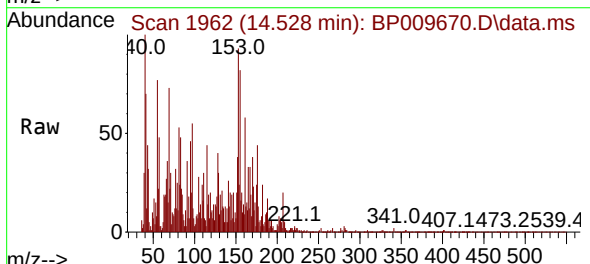
Instrument :
BNA_P
ClientSampleId :
20220339-AMENDED-COMP-CS-1DL

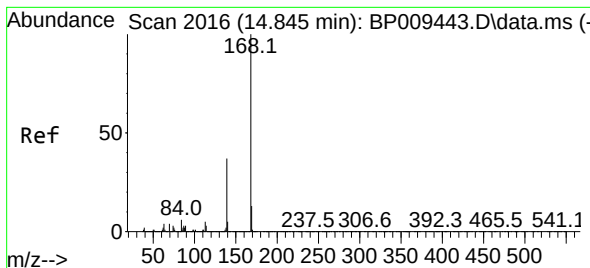
Tgt Ion:154 Resp: 424661
Ion Ratio Lower Upper
154 100
153 109.7 90.2 135.4
152 54.0 42.7 64.1



#54
2,4-Dinitrophenol
Concen: 4.543 ng
RT: 14.528 min Scan# 1962
Delta R.T. 0.000 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

Tgt Ion:184 Resp: 77
Ion Ratio Lower Upper
184 100
63 660.6 46.3 69.5#
154 801.0 45.8 68.6#

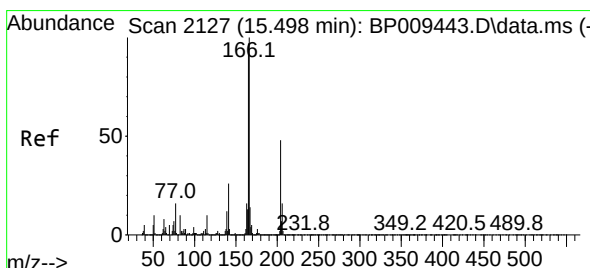
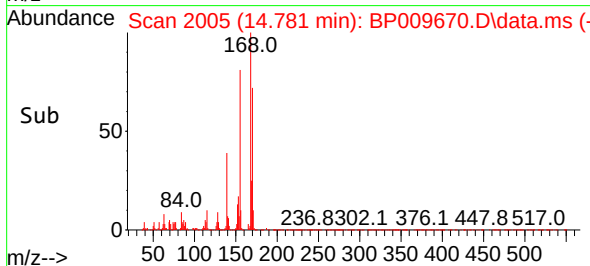
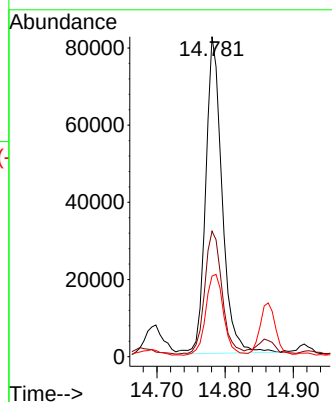
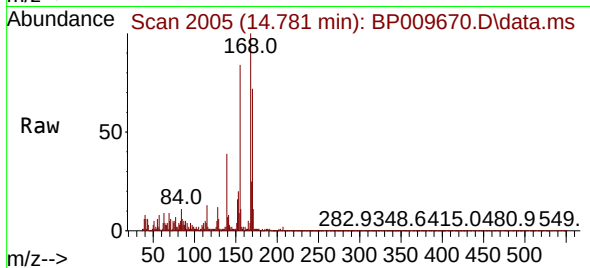




#55
Dibenzenofuran
Concen: 2.042 ng
RT: 14.781 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

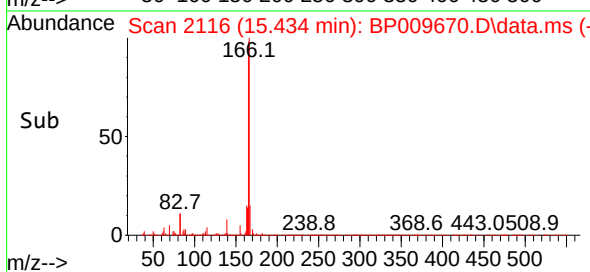
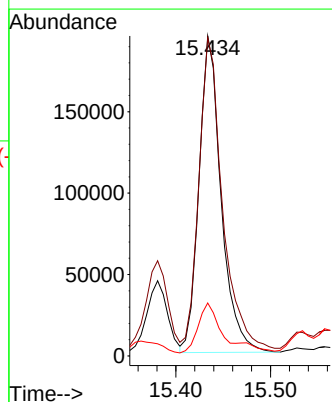
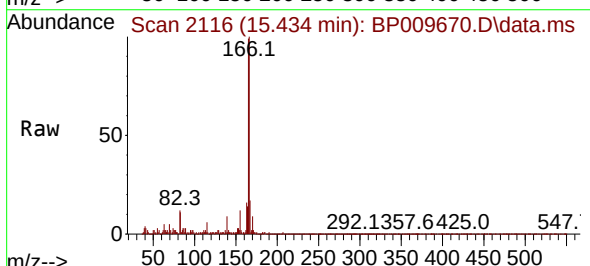
Instrument :
BNA_P
ClientSampleId :
20220339-AMENDED-COMP-CS-1DL

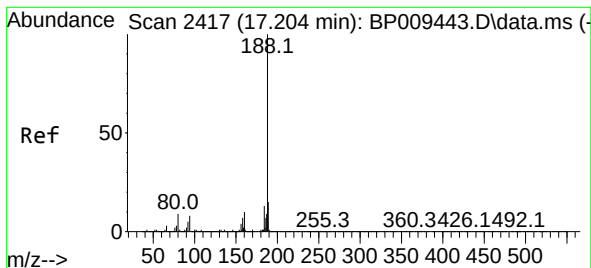
Tgt Ion:168 Resp: 137285
Ion Ratio Lower Upper
168 100
139 39.2 29.1 43.7
169 25.2 10.6 16.0#



#58
Fluorene
Concen: 5.979 ng
RT: 15.434 min Scan# 2116
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

Tgt Ion:166 Resp: 316086
Ion Ratio Lower Upper
166 100
165 99.4 79.2 118.8
167 16.5 10.7 16.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.145 min Scan# 2414

Delta R.T. -0.012 min

Lab File: BP009670.D

Acq: 01 Apr 2022 22:00

Instrument :

BNA_P

ClientSampleId :

20220339-AMENDED-COMP-CS-1DL

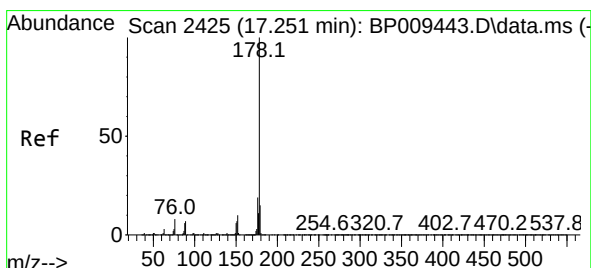
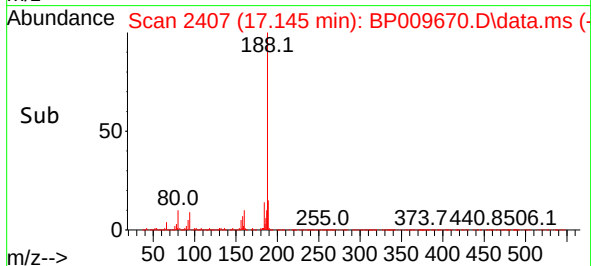
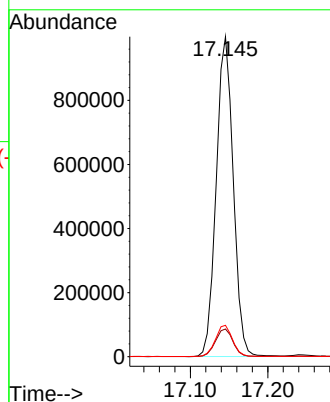
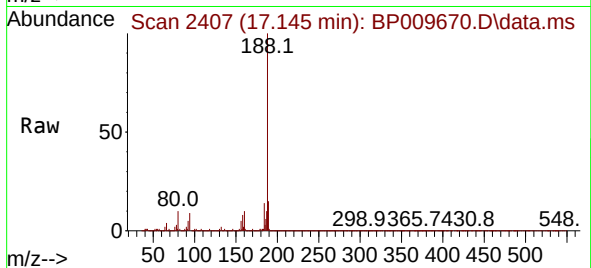
Tgt Ion:188 Resp: 1528274

Ion Ratio Lower Upper

188 100

94 8.7 7.9 11.9

80 9.8 8.8 13.2



#71

Phenanthrene

Concen: 31.661 ng

RT: 17.187 min Scan# 2414

Delta R.T. -0.012 min

Lab File: BP009670.D

Acq: 01 Apr 2022 22:00

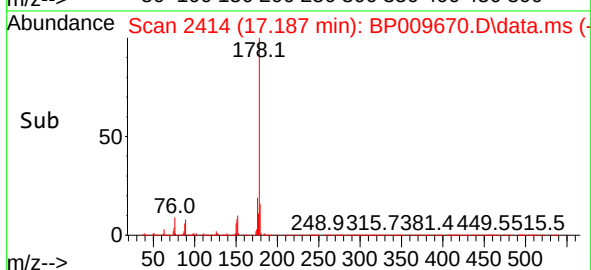
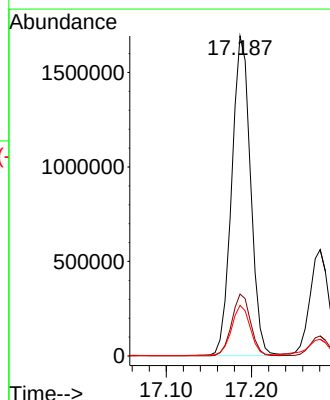
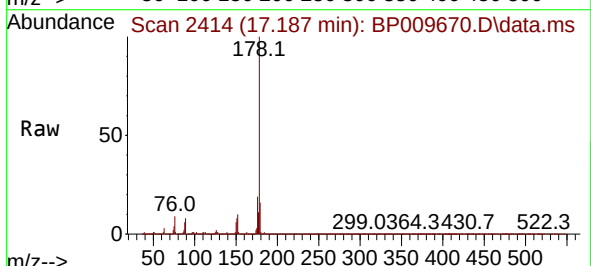
Tgt Ion:178 Resp: 2590178

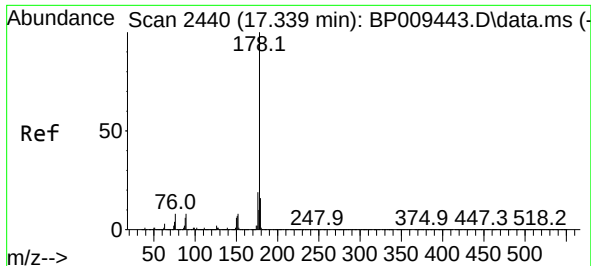
Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 15.8 12.3 18.5

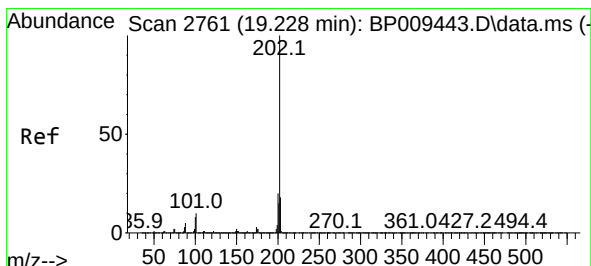
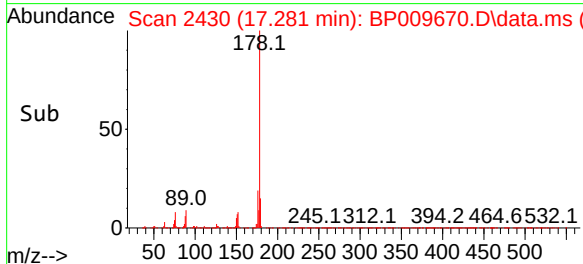
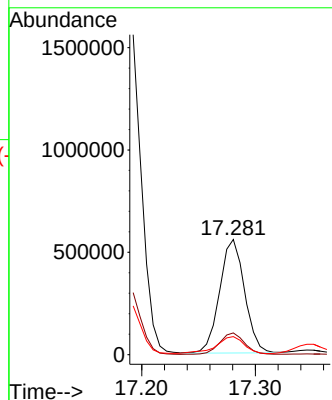
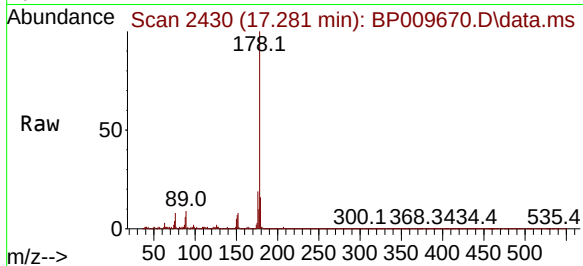




#72
 Anthracene
 Concen: 10.480 ng
 RT: 17.281 min Scan# 2440
 Delta R.T. -0.012 min
 Lab File: BP009670.D
 Acq: 01 Apr 2022 22:00

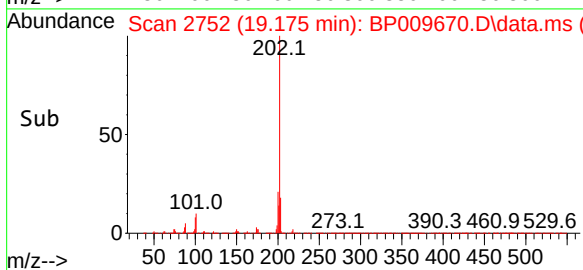
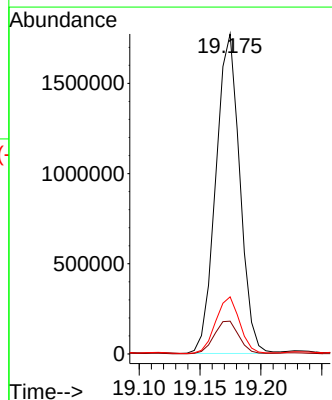
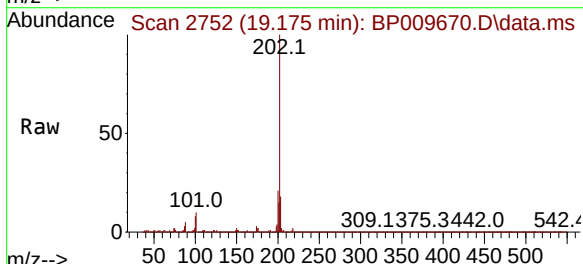
Instrument :
 BNA_P
 ClientSampleId :
 20220339-AMENDED-COMP-CS-1DL

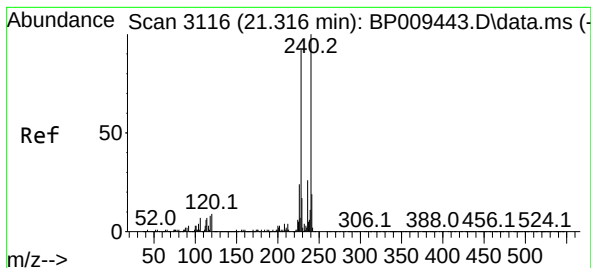
Tgt Ion:178 Resp: 846482
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.8 22.2
 179 15.7 12.2 18.4



#75
 Fluoranthene
 Concen: 24.531 ng
 RT: 19.175 min Scan# 2752
 Delta R.T. -0.006 min
 Lab File: BP009670.D
 Acq: 01 Apr 2022 22:00

Tgt Ion:202 Resp: 2429561
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 31.5
 203 17.9 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.263 min Scan# 3116

Delta R.T. -0.012 min

Lab File: BP009670.D

Acq: 01 Apr 2022 22:00

Instrument :

BNA_P

ClientSampleId :

20220339-AMENDED-COMP-CS-1DL

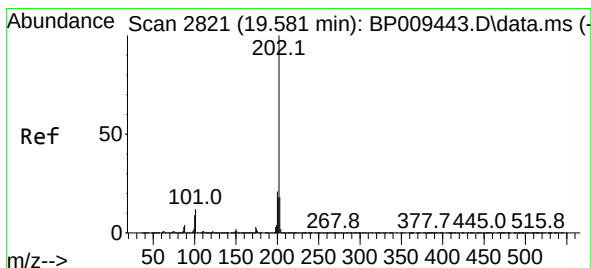
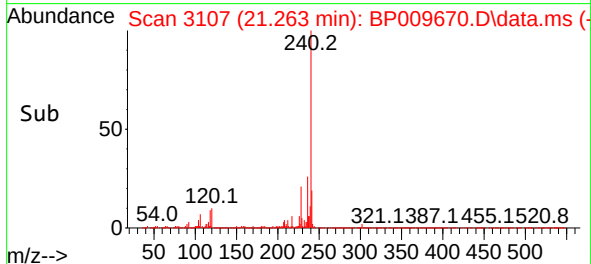
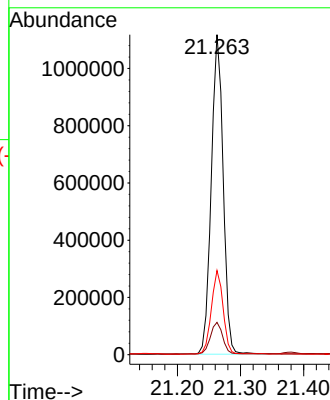
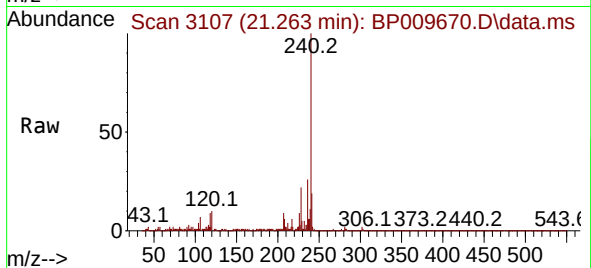
Tgt Ion:240 Resp: 1460008

Ion Ratio Lower Upper

240 100

120 10.1 9.0 13.4

236 26.3 20.6 30.8



#78

Pyrene

Concen: 24.718 ng

RT: 19.528 min Scan# 2812

Delta R.T. -0.012 min

Lab File: BP009670.D

Acq: 01 Apr 2022 22:00

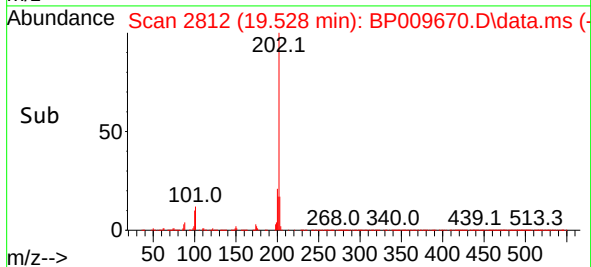
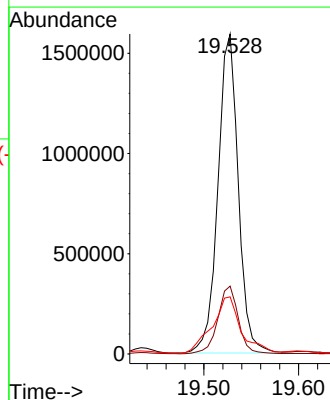
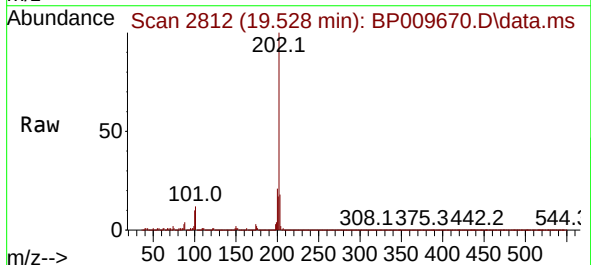
Tgt Ion:202 Resp: 2378119

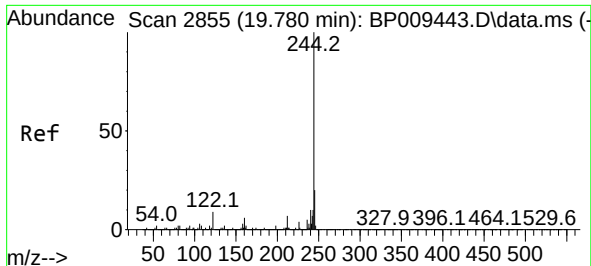
Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

203 17.9 14.2 21.4

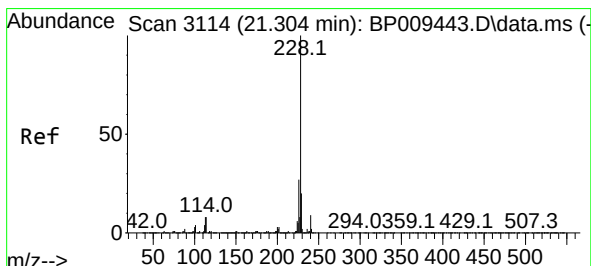
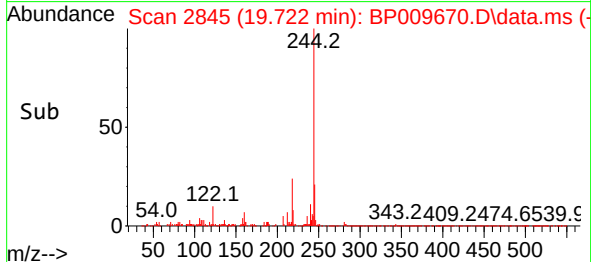
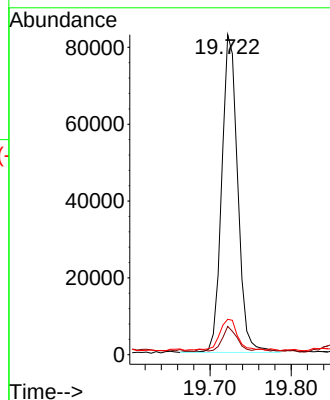
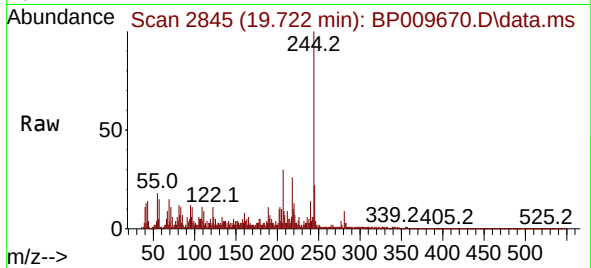




#79
 Terphenyl-d14
 Concen: 1.394 ng
 RT: 19.722 min Scan# 21
 Delta R.T. -0.017 min
 Lab File: BP009670.D
 Acq: 01 Apr 2022 22:00

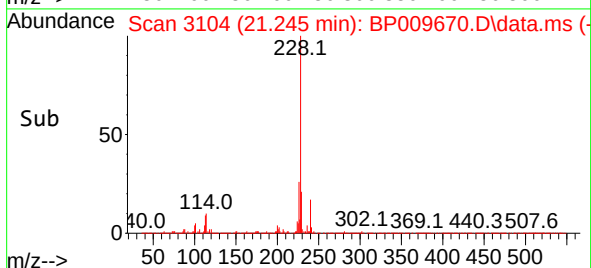
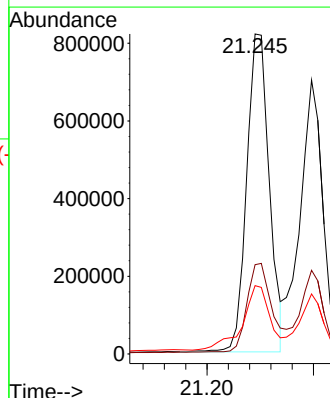
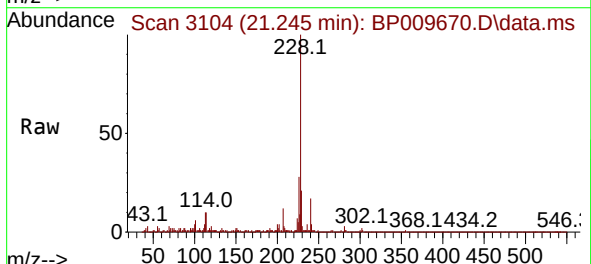
Instrument :
 BNA_P
 ClientSampleId :
 20220339-AMENDED-COMP-CS-1DL

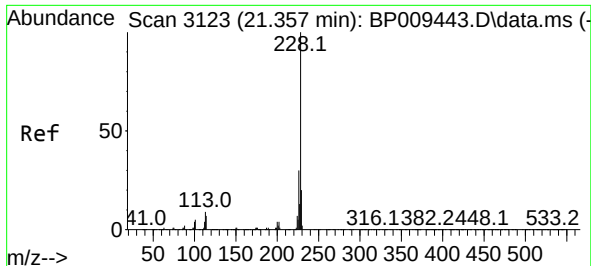
Tgt Ion:244 Resp: 113380
 Ion Ratio Lower Upper
 244 100
 212 8.8 5.8 8.6#
 122 11.0 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 12.575 ng
 RT: 21.245 min Scan# 3104
 Delta R.T. -0.018 min
 Lab File: BP009670.D
 Acq: 01 Apr 2022 22:00

Tgt Ion:228 Resp: 1206225
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.0 33.0
 229 21.3 16.1 24.1

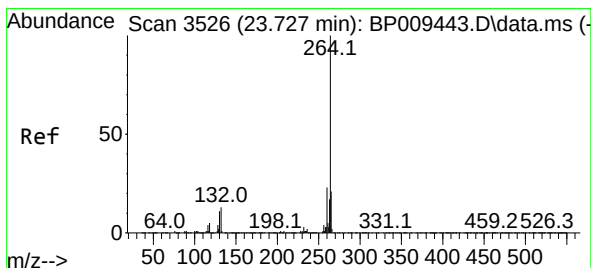
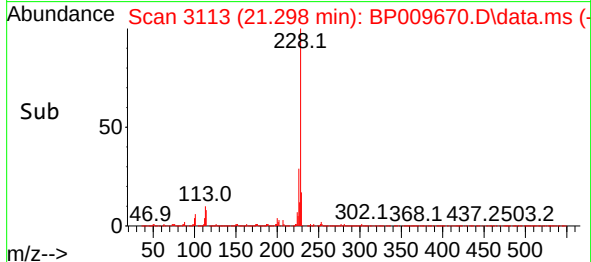
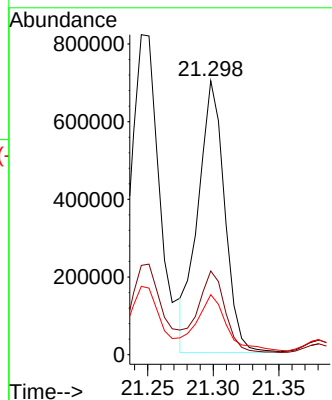
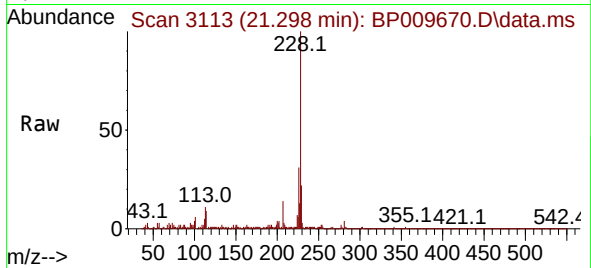




#83
Chrysene
Concen: 10.939 ng
RT: 21.298 min Scan# 3111
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

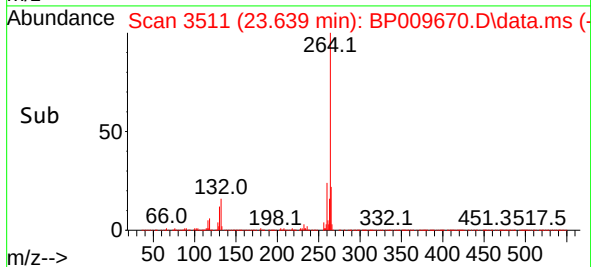
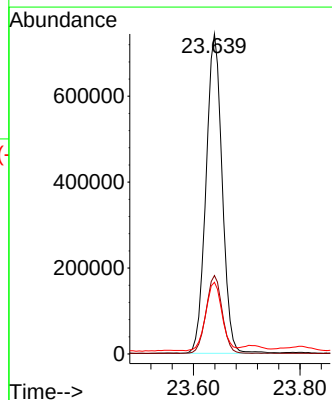
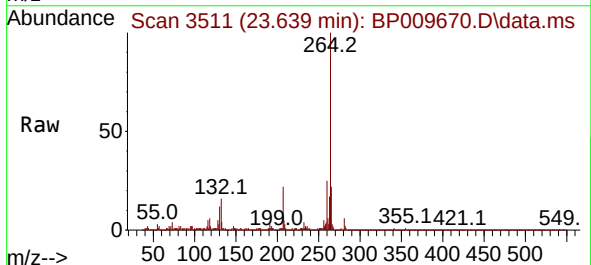
Instrument :
BNA_P
ClientSampleId :
20220339-AMENDED-COMP-CS-1DL

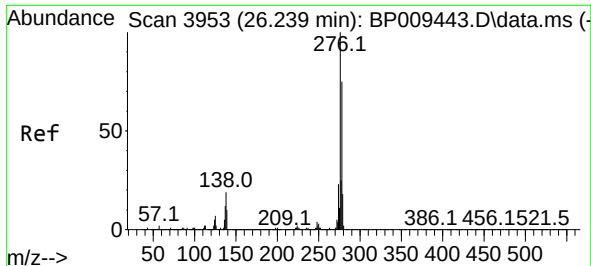
Tgt Ion:228 Resp: 993563
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.2
229 21.9 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.639 min Scan# 3511
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

Tgt Ion:264 Resp: 1561707
Ion Ratio Lower Upper
264 100
260 24.5 19.4 29.0
265 22.4 17.2 25.8

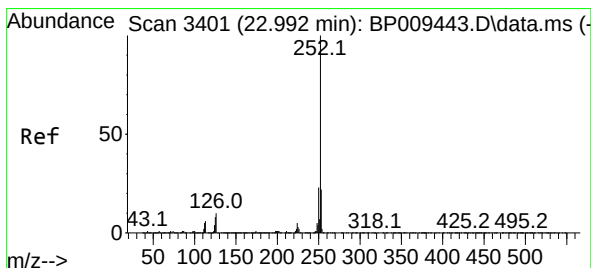
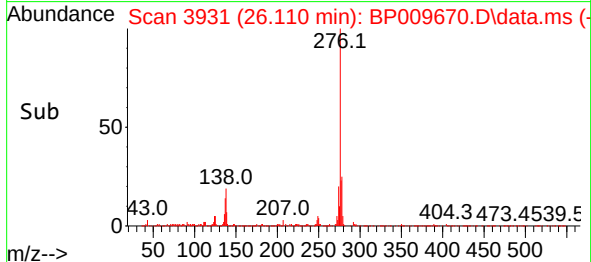
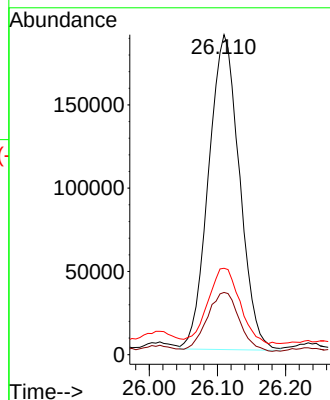
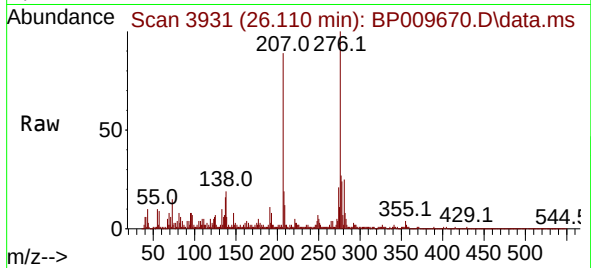




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.032 ng
RT: 26.110 min Scan# 3389
Delta R.T. -0.029 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

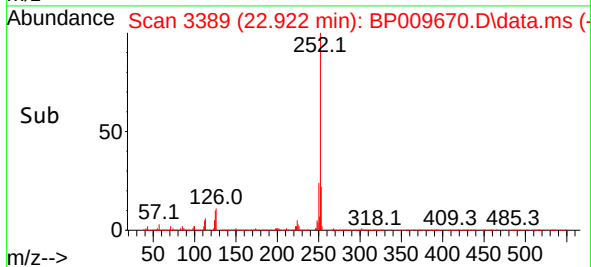
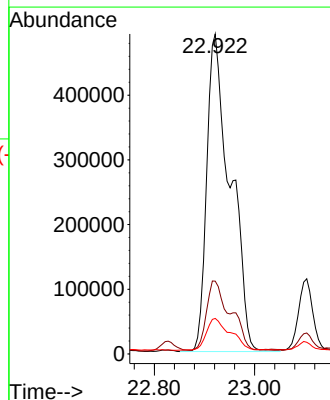
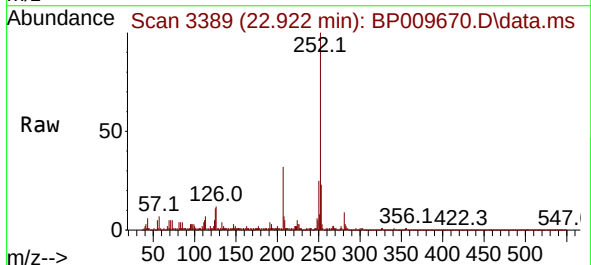
Instrument :
BNA_P
ClientSampleId :
20220339-AMENDED-COMP-CS-1DL

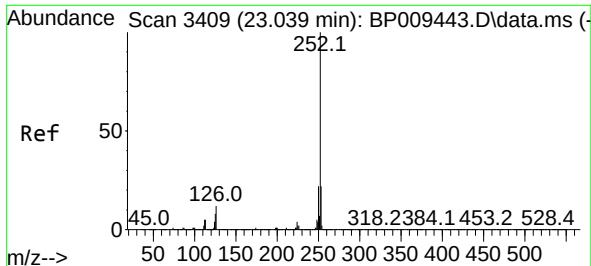
Tgt Ion:276 Resp: 596222
Ion Ratio Lower Upper
276 100
138 19.4 20.5 30.7#
277 24.6 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 17.196 ng
RT: 22.922 min Scan# 3389
Delta R.T. -0.006 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

Tgt Ion:252 Resp: 1603212
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 11.1 8.1 12.1

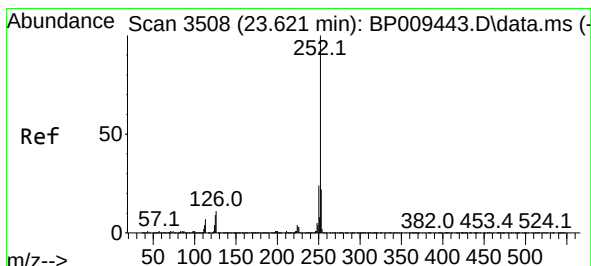
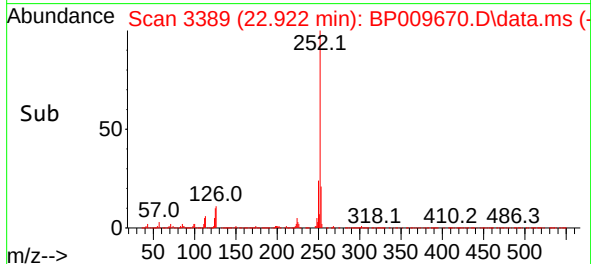
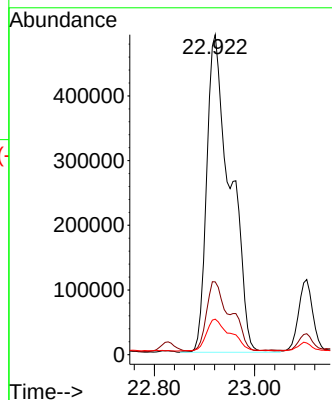
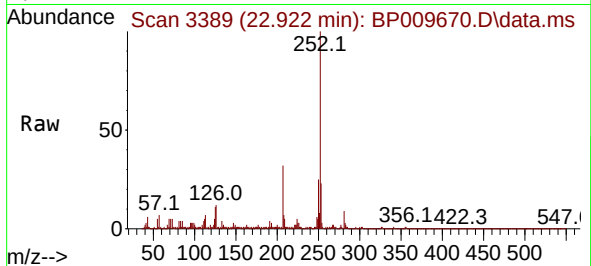




#89
Benzo(k)fluoranthene
Concen: 17.563 ng
RT: 22.922 min Scan# 31
Delta R.T. -0.059 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

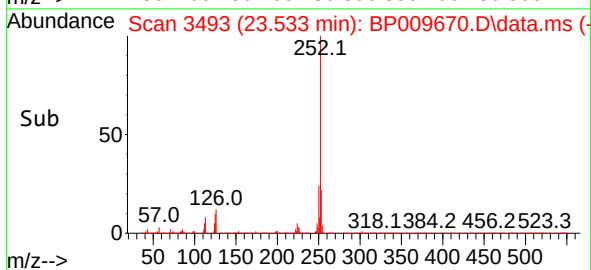
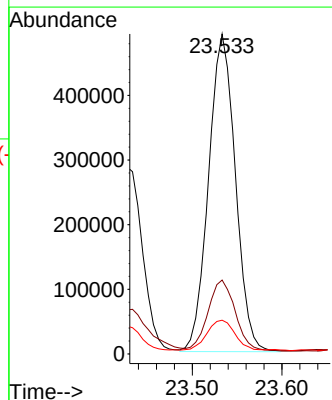
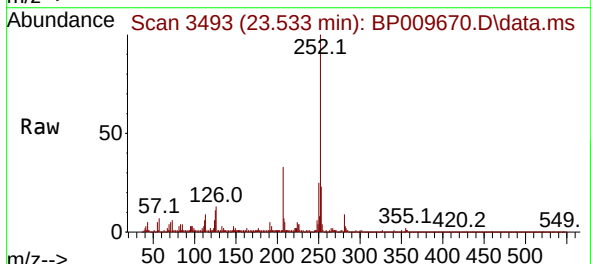
Instrument :
BNA_P
ClientSampleId :
20220339-AMENDED-COMP-CS-1DL

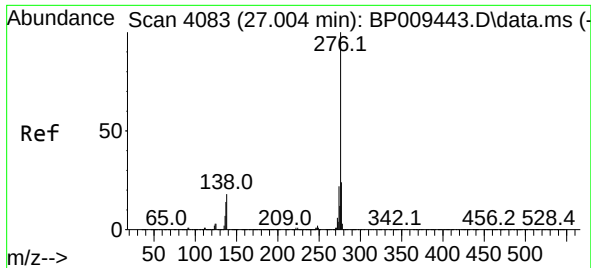
Tgt Ion:252 Resp: 1603212
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 11.1 8.3 12.5



#90
Benzo(a)pyrene
Concen: 12.798 ng
RT: 23.533 min Scan# 3493
Delta R.T. -0.018 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

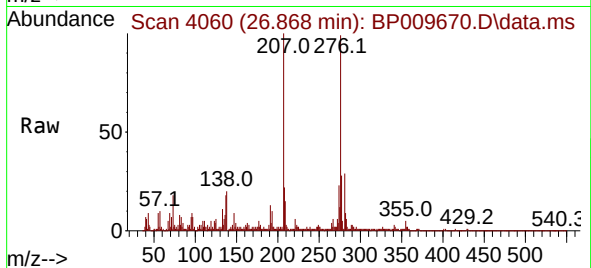
Tgt Ion:252 Resp: 1020825
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 10.6 9.3 13.9





#92
Benzo(g,h,i)perylene
Concen: 6.022 ng
RT: 26.868 min Scan# 4083
Delta R.T. -0.029 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

Instrument :
BNA_P
ClientSampleId :
20220339-AMENDED-COMP-CS-1DL



Tgt Ion:276 Resp: 585037
Ion Ratio Lower Upper
276 100
277 27.9 19.2 28.8
138 20.2 18.0 27.0

