

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040122\
 Data File : BP009667.D
 Acq On : 01 Apr 2022 20:19
 Operator : CG/JU
 Sample : N2220-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A06015

Quant Time: Apr 01 22:45:46 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)

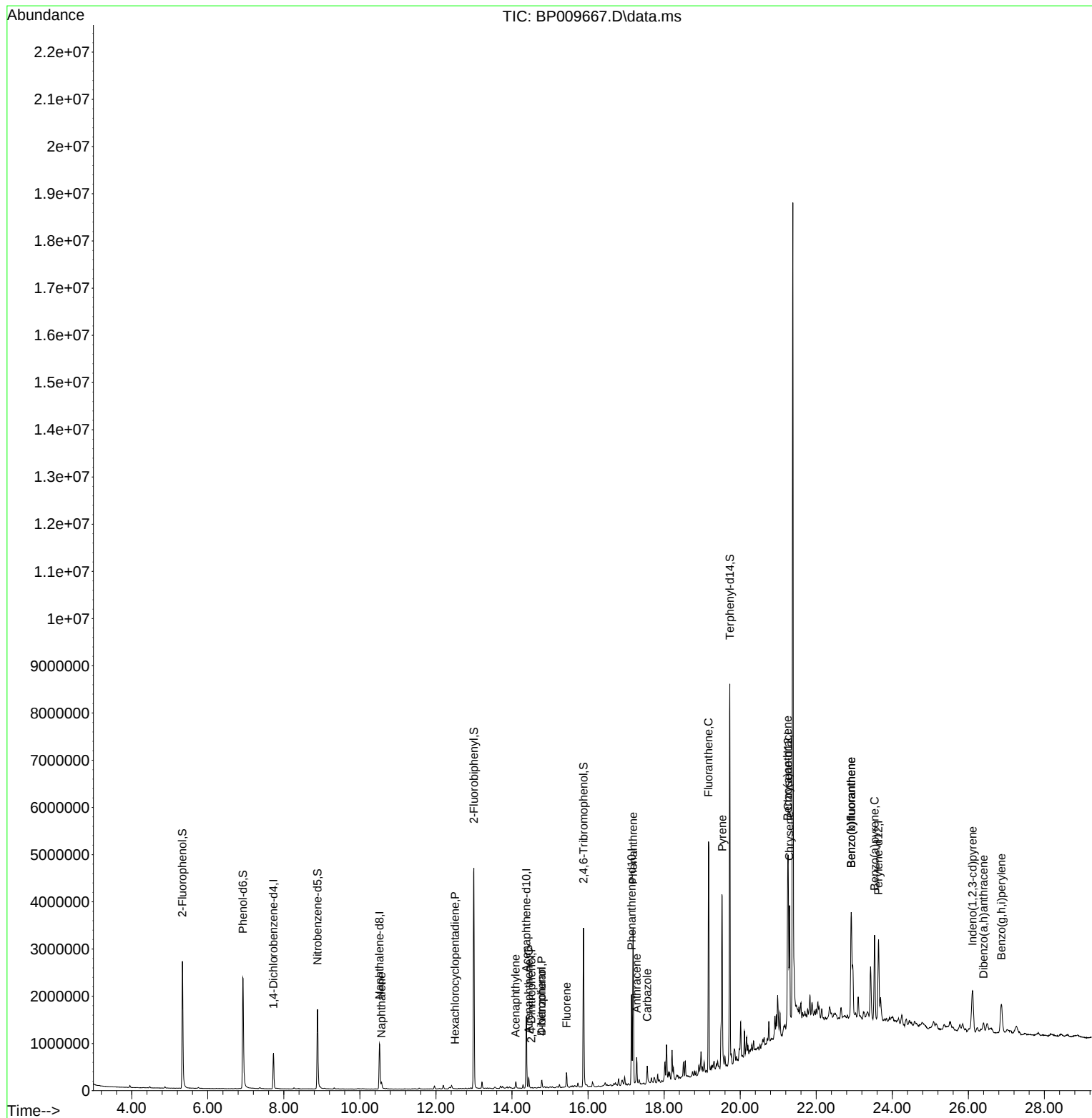
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	236629	20.000	ng	-0.01
21) Naphthalene-d8	10.516	136	930439	20.000	ng	-0.02
39) Acenaphthene-d10	14.375	164	565284	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	1187465	20.000	ng	-0.01
76) Chrysene-d12	21.263	240	1212730	20.000	ng	-0.01
86) Perylene-d12	23.639	264	1326806	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1442550	106.436	ng	-0.01
7) Phenol-d6	6.922	99	1825166	99.580	ng	-0.01
23) Nitrobenzene-d5	8.887	82	1214916	69.388	ng	-0.01
42) 2,4,6-Tribromophenol	15.881	330	721945	77.394	ng	-0.01
45) 2-Fluorobiphenyl	12.998	172	2695101	66.094	ng	-0.01
79) Terphenyl-d14	19.727	244	4080791	60.397	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.893	77	2550	Below Cal	#	77
31) Naphthalene	10.569	128	117259	2.447	ng	98
41) Hexachlorocyclopentadiene	12.504	237	31	7.292	ng	87
49) Acenaphthylene	14.098	152	116788	2.279	ng	99
52) Acenaphthene	14.439	154	81199	2.652	ng	98
54) 2,4-Dinitrophenol	14.510	184	26	4.537	ng	# 1
55) Dibenzofuran	14.781	168	112258	2.182	ng	99
56) 4-Nitrophenol	14.781	139	40898	5.788	ng	# 12
58) Fluorene	15.434	166	147553	3.648	ng	99
71) Phenanthrene	17.186	178	2087974	32.848	ng	99
72) Anthracene	17.280	178	399880	6.372	ng	99
73) Carbazole	17.557	167	261586	4.262	ng	99
75) Fluoranthene	19.169	202	3124295	40.599	ng	100
78) Pyrene	19.527	202	2505772	31.356	ng	99
81) Benzo(a)anthracene	21.251	228	1557014	19.542	ng	98
83) Chrysene	21.298	228	1414397	18.747	ng	98
87) Indeno(1,2,3-cd)pyrene	26.109	276	958983	9.527	ng	# 94
88) Benzo(b)fluoranthene	22.921	252	2712338	34.244	ng	99
89) Benzo(k)fluoranthene	22.921	252	2712338	34.975	ng	98
90) Benzo(a)pyrene	23.533	252	1347230	19.880	ng	98
91) Dibenzo(a,h)anthracene	26.398	278	171629	2.046	ng	97
92) Benzo(g,h,i)perylene	26.868	276	880171	10.665	ng	95

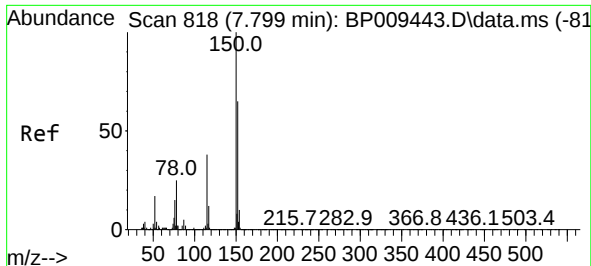
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040122\
Data File : BP009667.D
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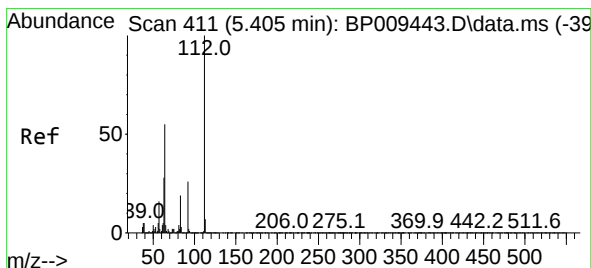
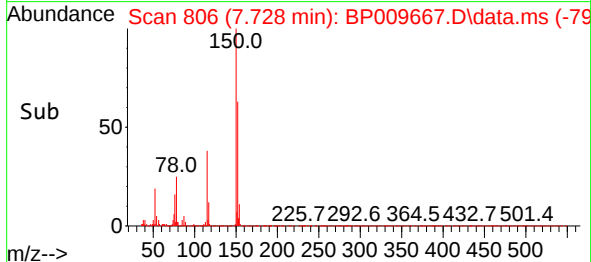
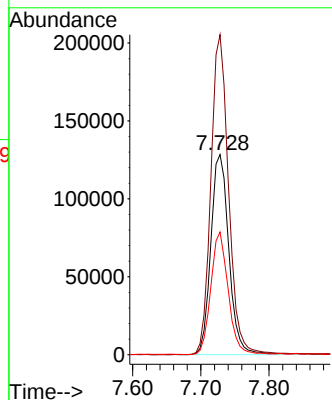
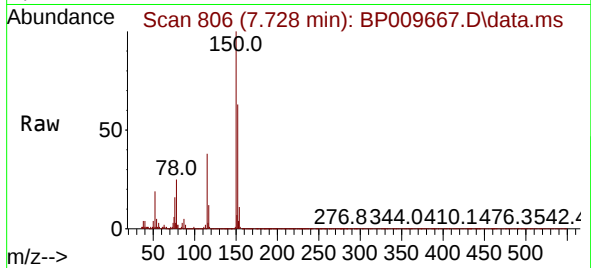




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

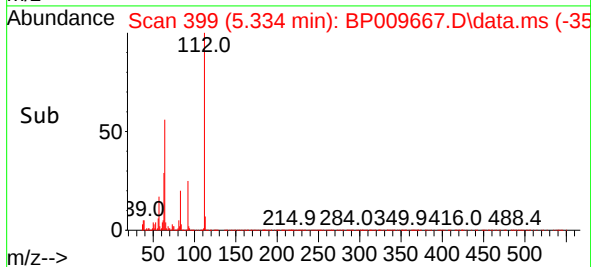
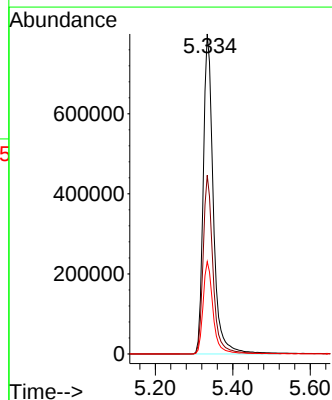
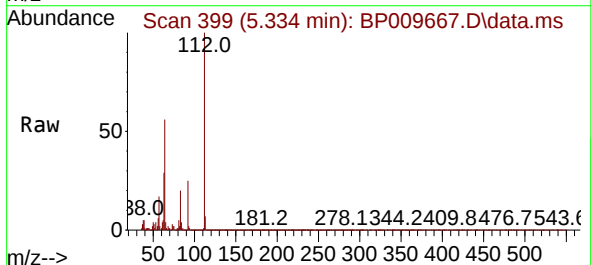
Instrument :
BNA_P
ClientSampleId :
A06015

Tgt Ion:152 Resp: 236629
Ion Ratio Lower Upper
152 100
150 159.8 124.5 186.7
115 61.3 48.2 72.4



#5
2-Fluorophenol
Concen: 106.436 ng
RT: 5.334 min Scan# 399
Delta R.T. -0.012 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

Tgt Ion:112 Resp: 1442550
Ion Ratio Lower Upper
112 100
64 55.8 45.0 67.4
63 28.9 23.0 34.6

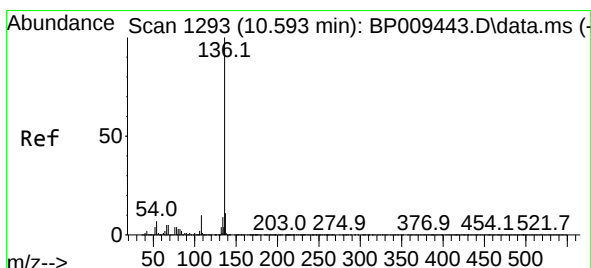
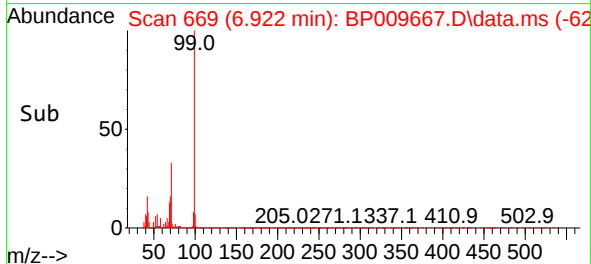
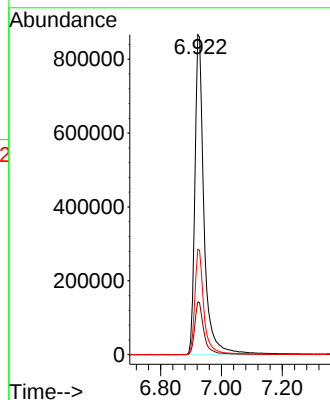
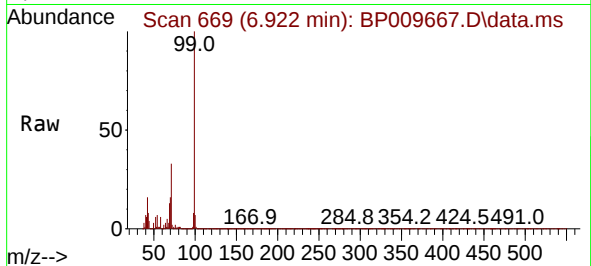




#7
Phenol-d6
Concen: 99.580 ng
RT: 6.922 min Scan# 60
Delta R.T. -0.012 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

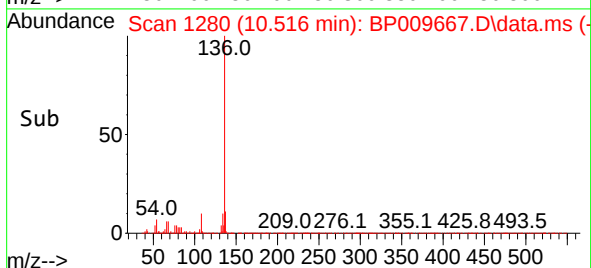
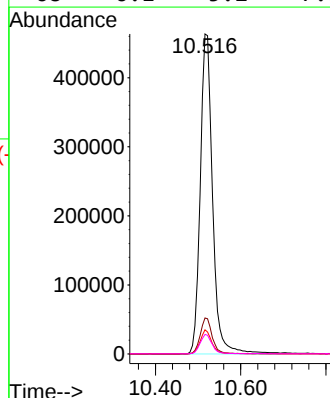
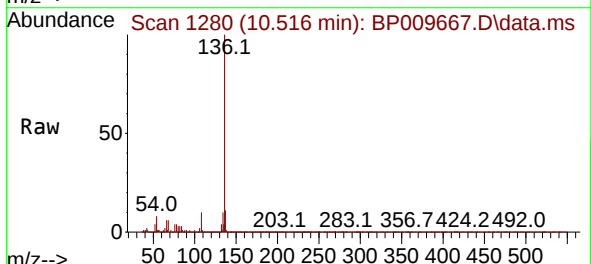
Instrument :
BNA_P
ClientSampleId :
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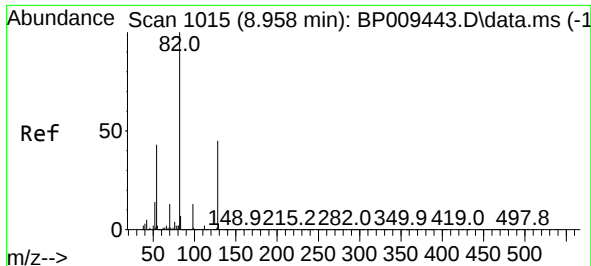
Tgt Ion: 99 Resp: 1825166
Ion Ratio Lower Upper
99 100
42 16.5 12.8 19.2
71 32.9 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1280
Delta R.T. -0.018 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

Tgt Ion: 136 Resp: 930439
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 7.6 5.8 8.8
68 6.1 5.2 7.8

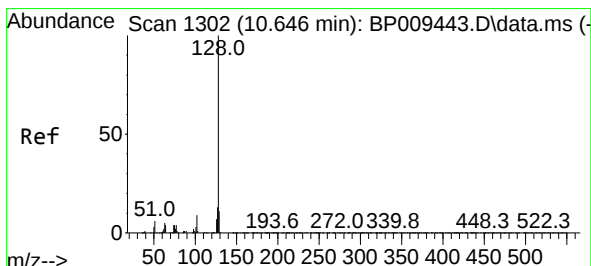
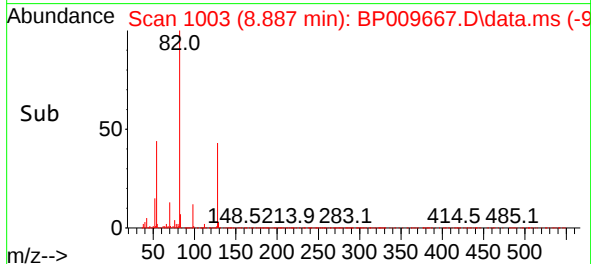
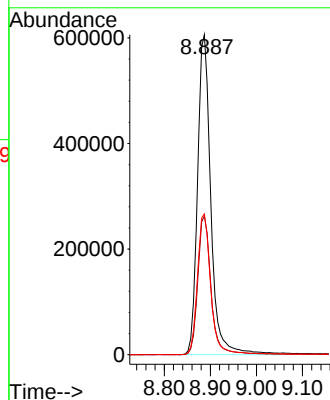
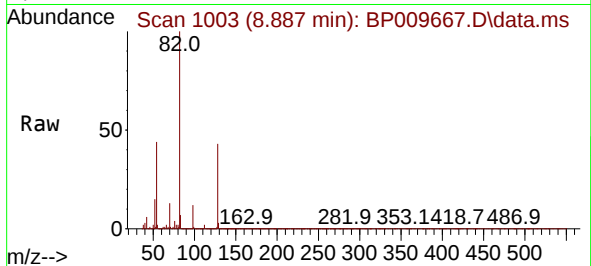




#23
Nitrobenzene-d5
Concen: 69.388 ng
RT: 8.887 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

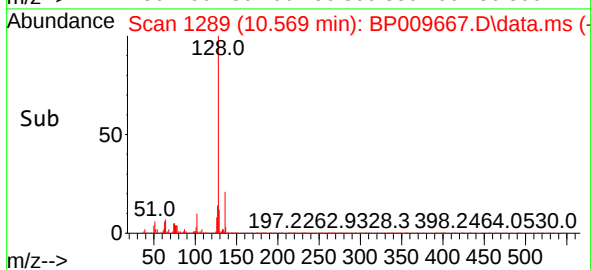
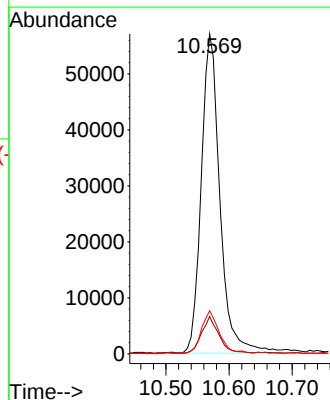
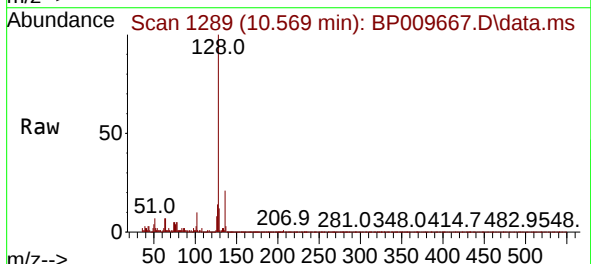
Instrument :
BNA_P
ClientSampleId :
A06015

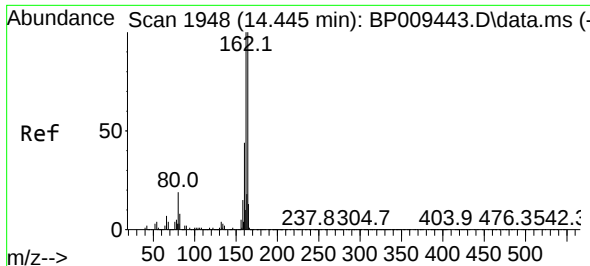
Tgt Ion: 82 Resp: 1214916
Ion Ratio Lower Upper
82 100
128 43.4 34.2 51.4
54 44.0 34.7 52.1



#31
Naphthalene
Concen: 2.447 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.012 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

Tgt Ion:128 Resp: 117259
Ion Ratio Lower Upper
128 100
129 11.7 8.6 13.0
127 13.5 10.5 15.7

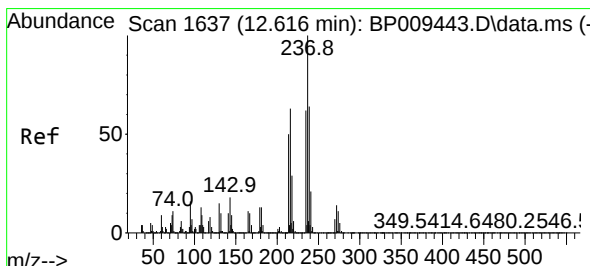
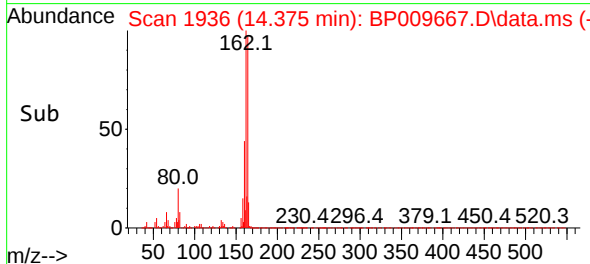
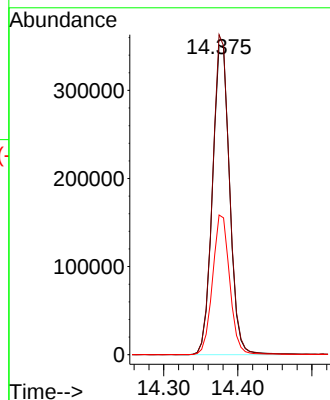
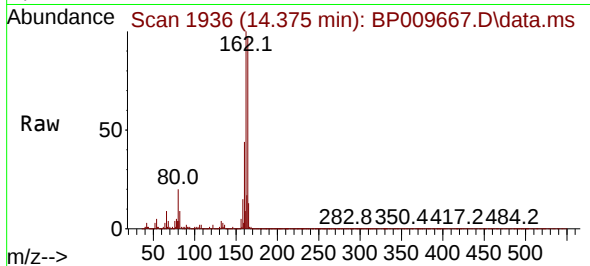




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1948
Delta R.T. -0.018 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

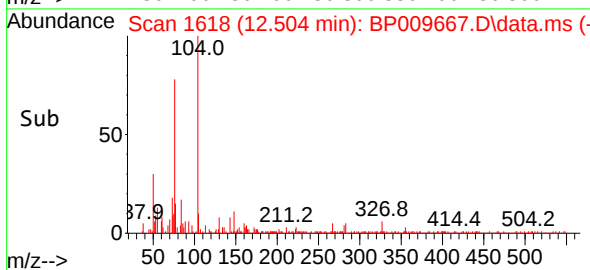
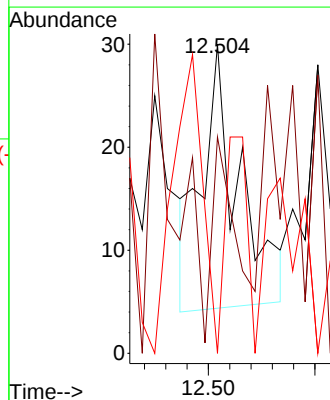
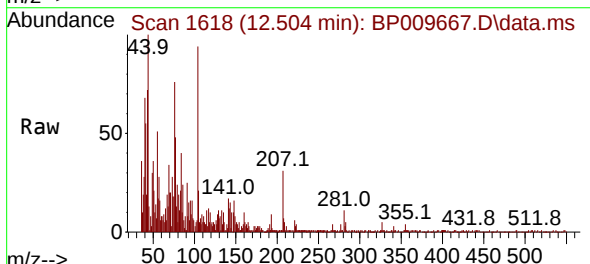
Instrument :
BNA_P
ClientSampleId :
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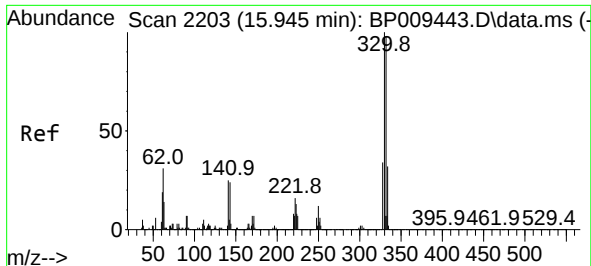
Tgt Ion:164 Resp: 565284
Ion Ratio Lower Upper
164 100
162 103.3 79.1 118.7
160 45.1 34.9 52.3



#41
Hexachlorocyclopentadiene
Concen: 7.292 ng
RT: 12.504 min Scan# 1618
Delta R.T. -0.053 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

Tgt Ion:237 Resp: 31
Ion Ratio Lower Upper
237 100
235 70.0 42.6 82.6
272 0.0 0.0 32.8

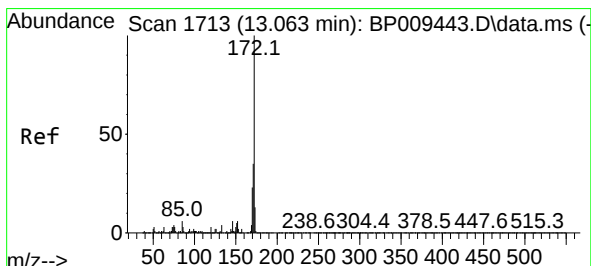
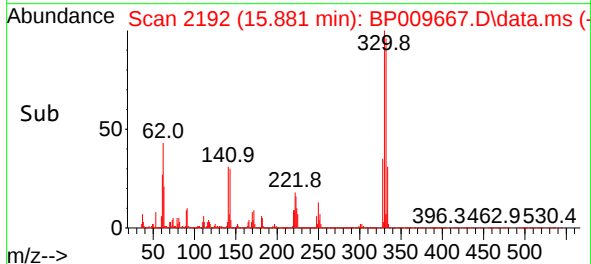
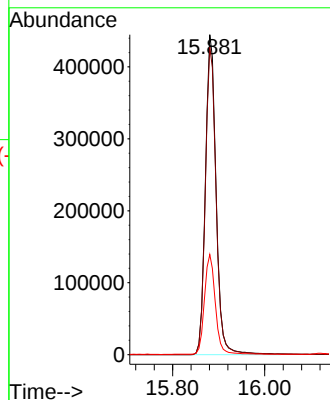
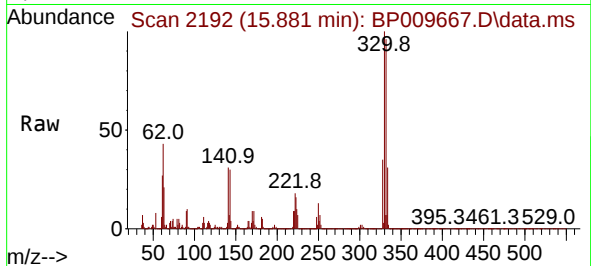




#42
2,4,6-Tribromophenol
Concen: 77.394 ng
RT: 15.881 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

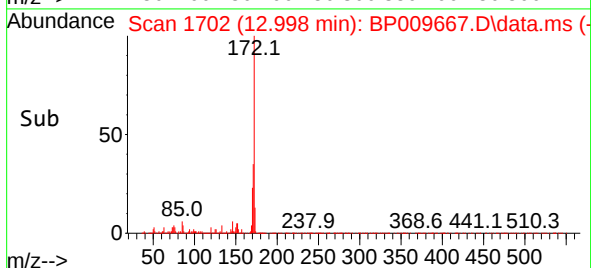
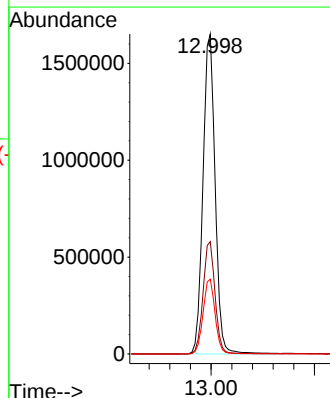
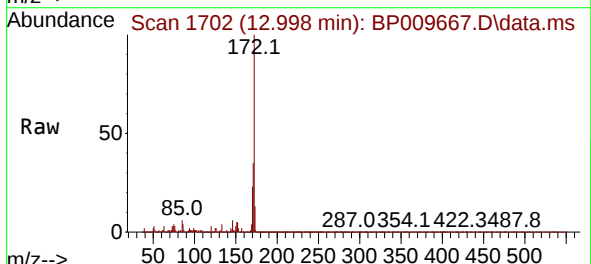
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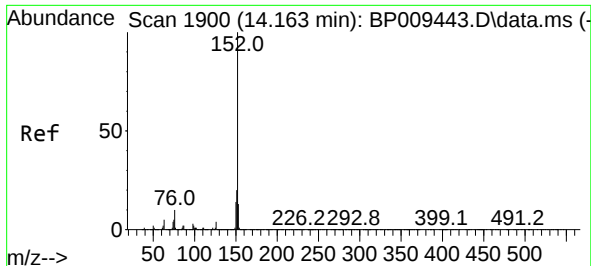
Tgt Ion:330 Resp: 721945
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.6
141 31.5 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 66.094 ng
RT: 12.998 min Scan# 1702
Delta R.T. -0.012 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

Tgt Ion:172 Resp: 2695101
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 23.3 18.6 27.8

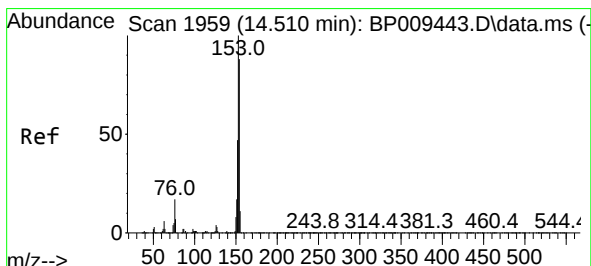
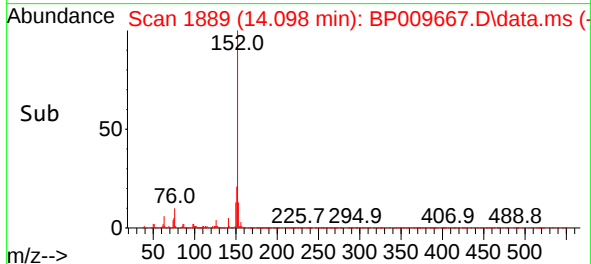
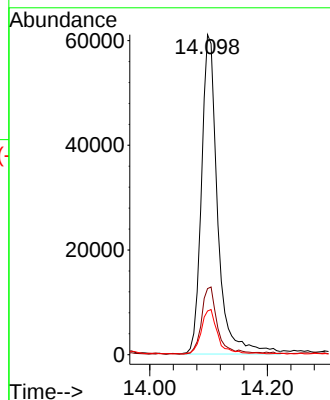
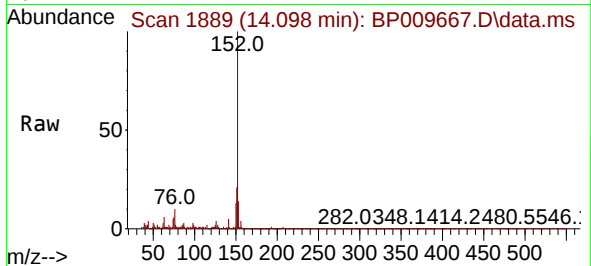




#49
Acenaphthylene
Concen: 2.279 ng
RT: 14.098 min Scan# 1889
Delta R.T. -0.012 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

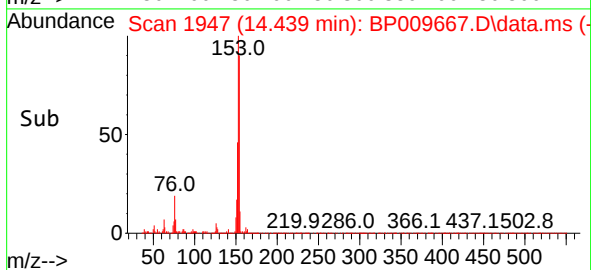
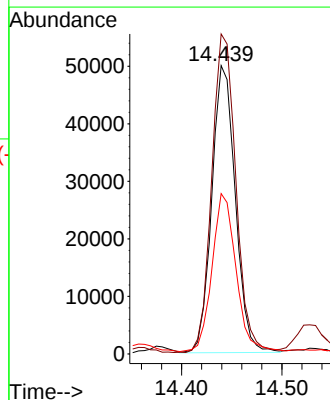
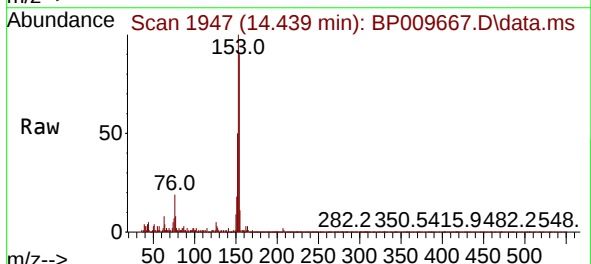
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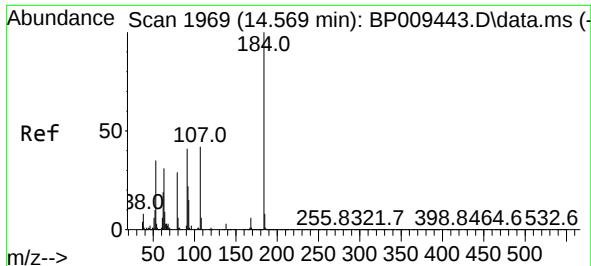
Tgt Ion:152 Resp: 116788
Ion Ratio Lower Upper
152 100
151 20.7 15.9 23.9
153 13.6 10.7 16.1



#52
Acenaphthene
Concen: 2.652 ng
RT: 14.439 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

Tgt Ion:154 Resp: 81199
Ion Ratio Lower Upper
154 100
153 111.0 90.2 135.4
152 55.6 42.7 64.1

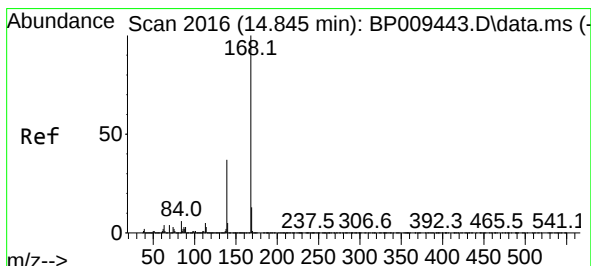
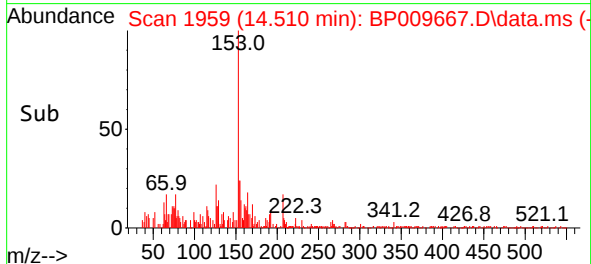
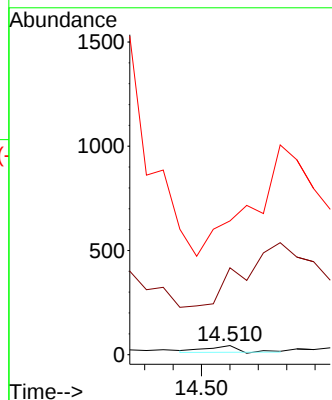
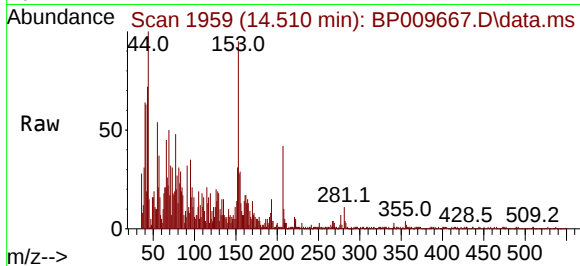




#54
2,4-Dinitrophenol
Concen: 4.537 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.018 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

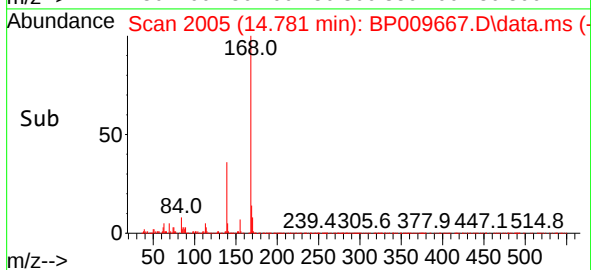
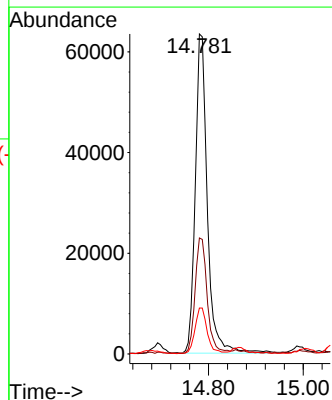
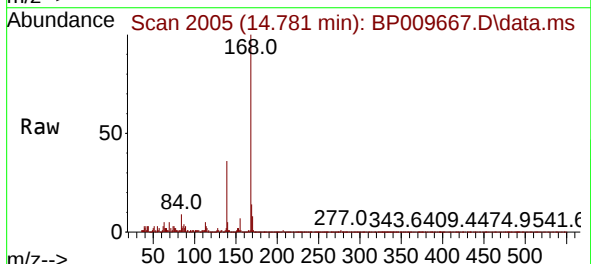
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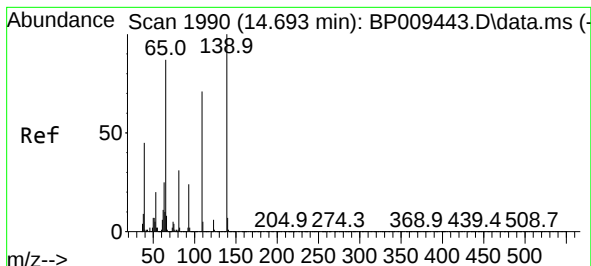
Tgt Ion:184 Resp: 26
Ion Ratio Lower Upper
184 100
63 947.7 46.3 69.5#
154 1459.1 45.8 68.6#



#55
Dibenzofuran
Concen: 2.182 ng
RT: 14.781 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

Tgt Ion:168 Resp: 112258
Ion Ratio Lower Upper
168 100
139 36.2 29.1 43.7
169 14.4 10.6 16.0

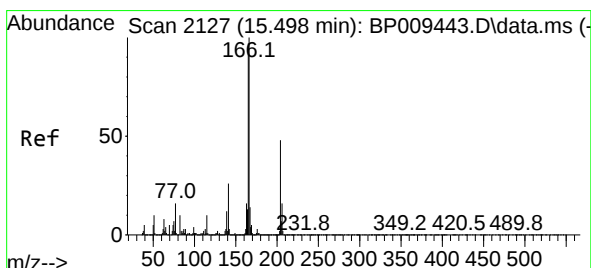
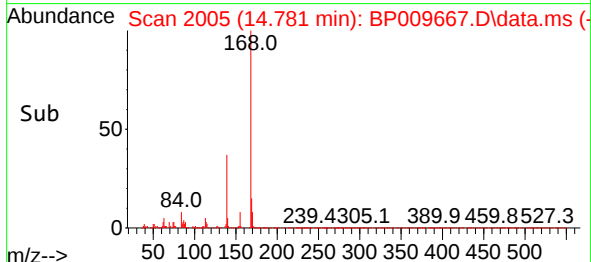
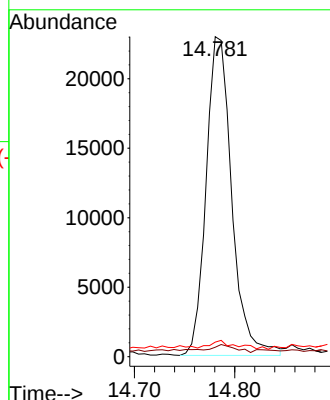
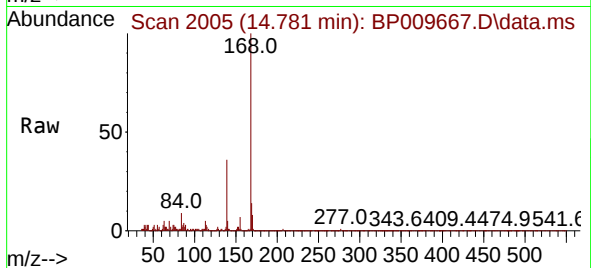




#56
4-Nitrophenol
Concen: 5.788 ng
RT: 14.781 min Scan# 20
Delta R.T. 0.135 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

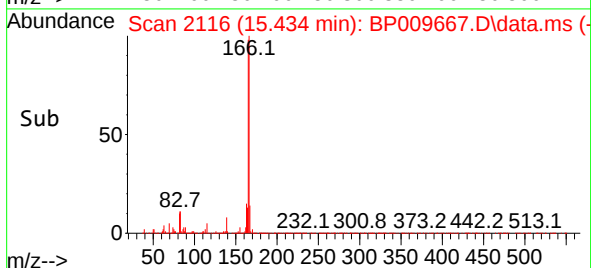
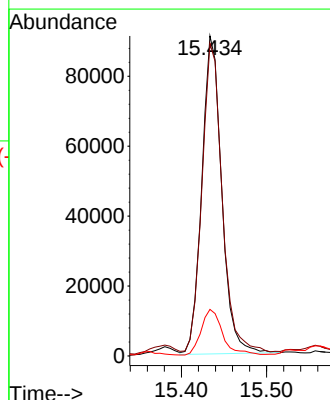
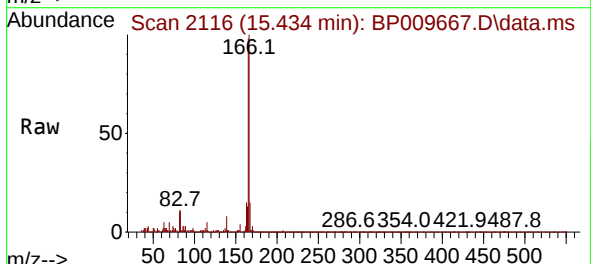
Instrument :
BNA_P
ClientSampleId :
A06015

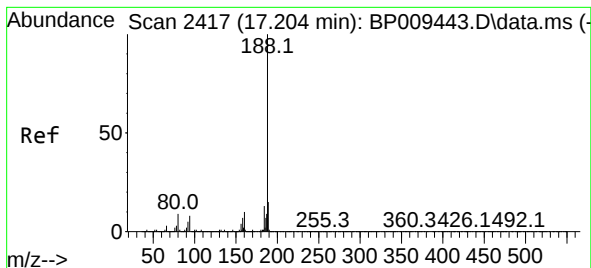
Tgt Ion:139 Resp: 40898
Ion Ratio Lower Upper
139 100
109 3.0 51.2 91.2#
65 4.5 73.2 113.2#



#58
Fluorene
Concen: 3.648 ng
RT: 15.434 min Scan# 2116
Delta R.T. -0.012 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

Tgt Ion:166 Resp: 147553
Ion Ratio Lower Upper
166 100
165 97.7 79.2 118.8
167 14.5 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.145 min Scan# 2417

Delta R.T. -0.012 min

Lab File: BP009667.D

Acq: 01 Apr 2022 20:19

Instrument :

BNA_P

ClientSampleId :

A06015

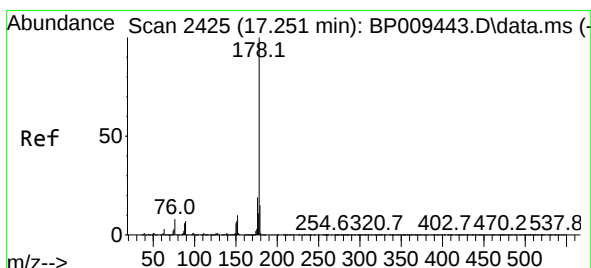
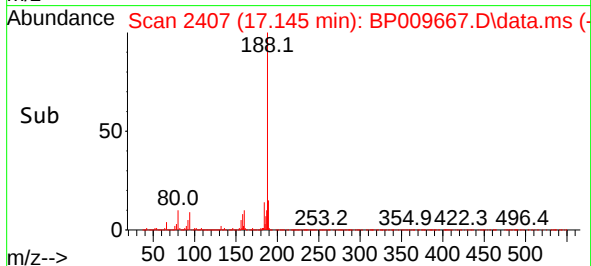
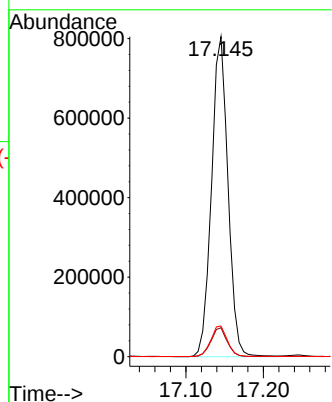
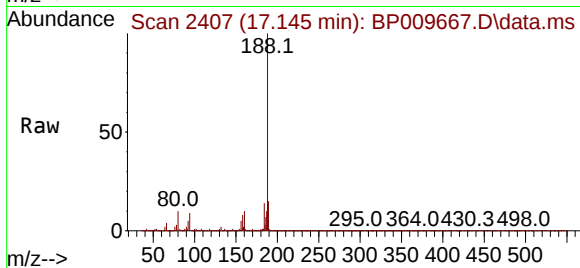
Tgt Ion:188 Resp: 1187465

Ion Ratio Lower Upper

188 100

94 9.0 7.9 11.9

80 9.6 8.8 13.2



#71

Phenanthrene

Concen: 32.848 ng

RT: 17.186 min Scan# 2414

Delta R.T. -0.012 min

Lab File: BP009667.D

Acq: 01 Apr 2022 20:19

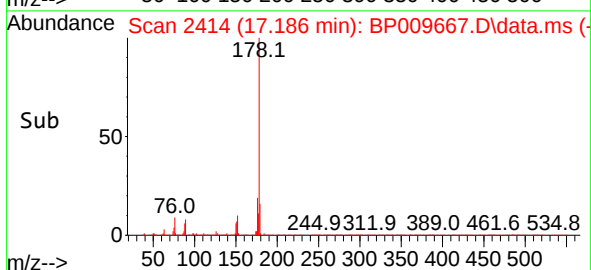
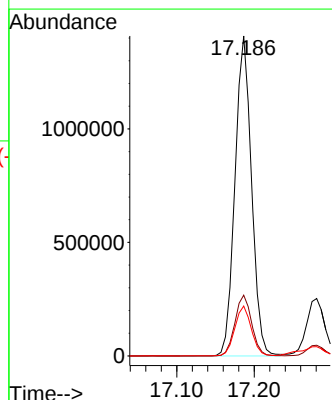
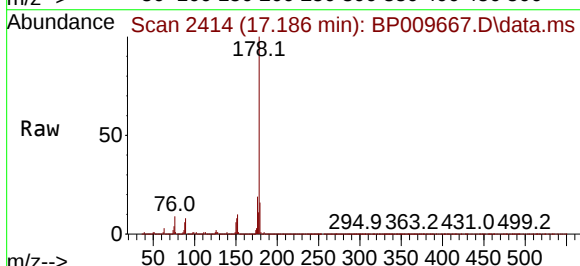
Tgt Ion:178 Resp: 2087974

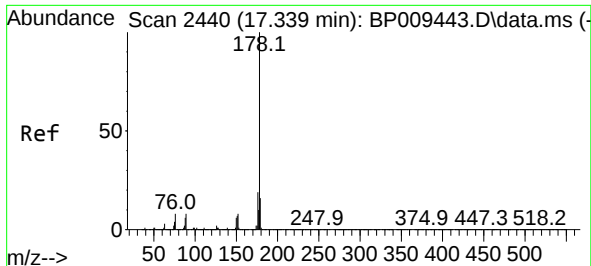
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 15.6 12.3 18.5

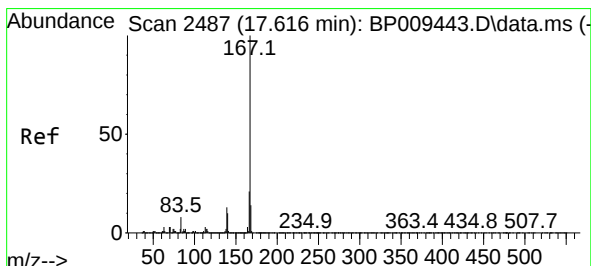
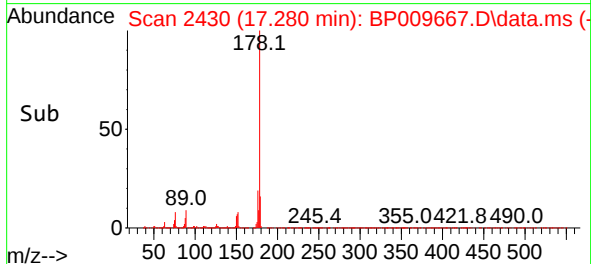
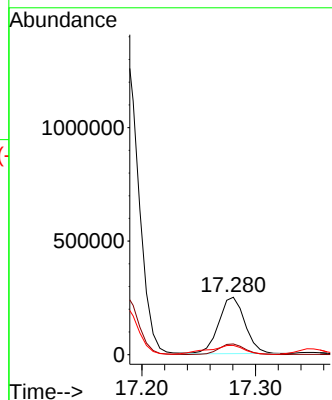
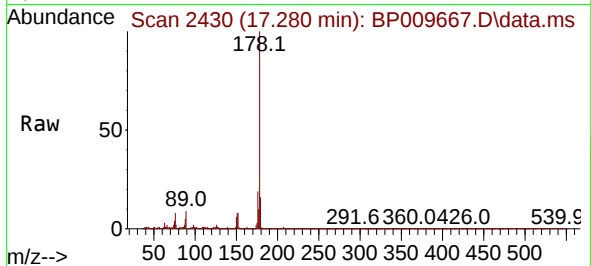




#72
 Anthracene
 Concen: 6.372 ng
 RT: 17.280 min Scan# 2440
 Delta R.T. -0.012 min
 Lab File: BP009667.D
 Acq: 01 Apr 2022 20:19

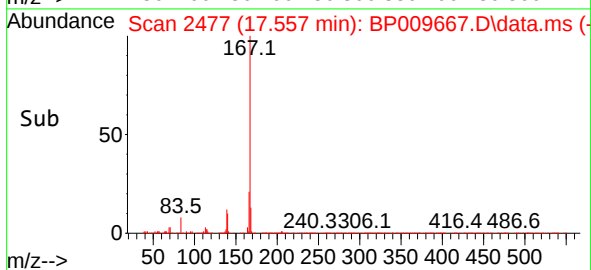
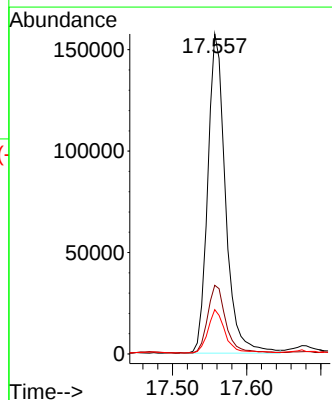
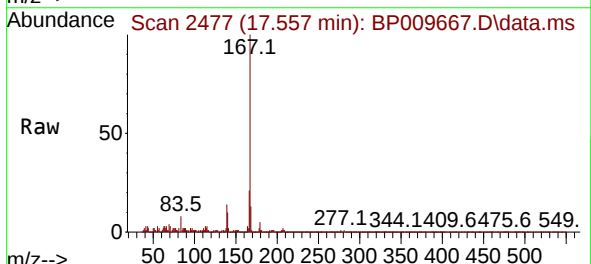
Instrument :
 BNA_P
 ClientSampleId :
 A06015

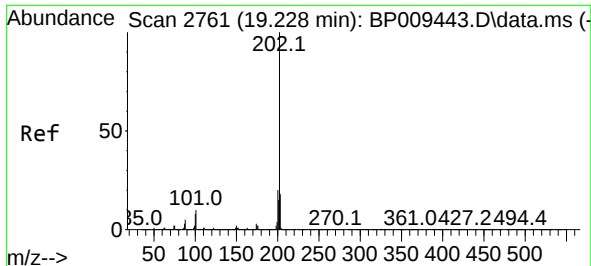
Tgt Ion:178 Resp: 399880
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.8 22.2
 179 16.2 12.2 18.4



#73
 Carbazole
 Concen: 4.262 ng
 RT: 17.557 min Scan# 2477
 Delta R.T. -0.012 min
 Lab File: BP009667.D
 Acq: 01 Apr 2022 20:19

Tgt Ion:167 Resp: 261586
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.2 25.8
 139 13.9 10.3 15.5

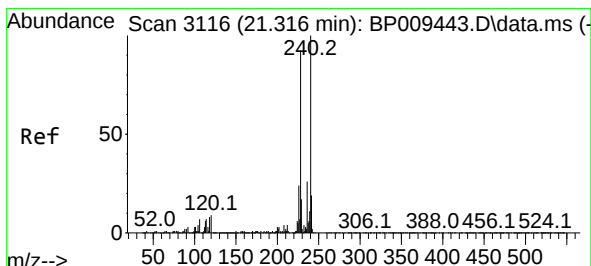
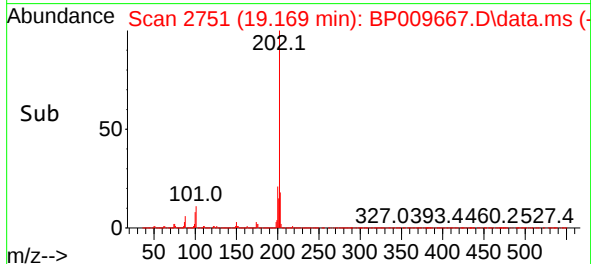
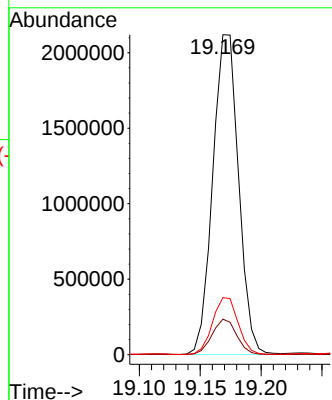
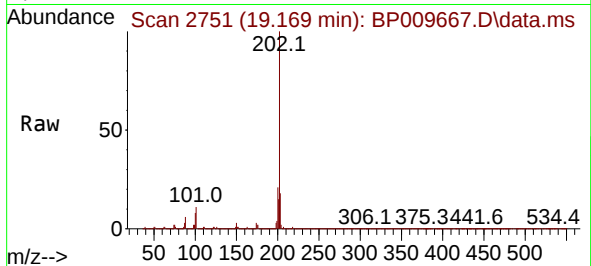




#75
Fluoranthene
Concen: 40.599 ng
RT: 19.169 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

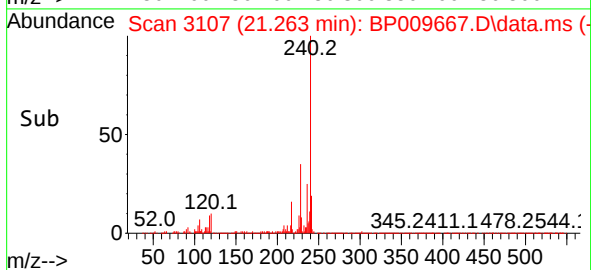
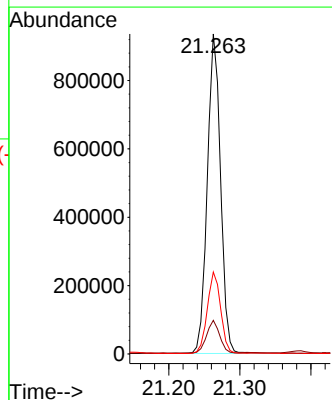
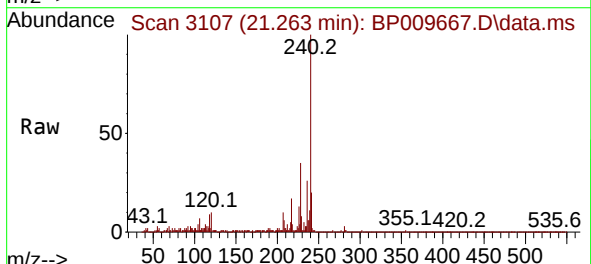
Instrument :
BNA_P
ClientSampleId :
A06015

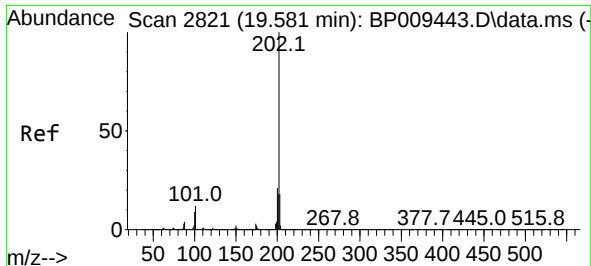
Tgt Ion:202 Resp: 3124295
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.5
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.263 min Scan# 3107
Delta R.T. -0.012 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

Tgt Ion:240 Resp: 1212730
Ion Ratio Lower Upper
240 100
120 10.5 9.0 13.4
236 25.6 20.6 30.8

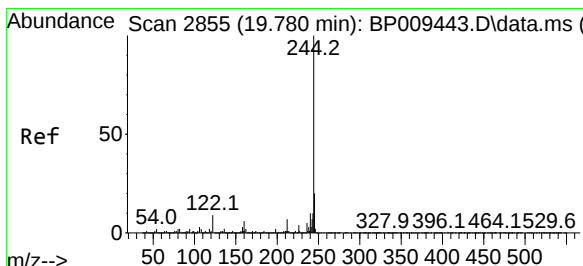
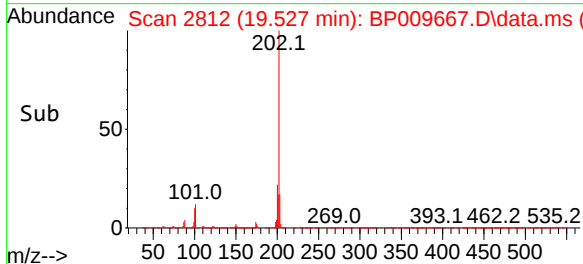
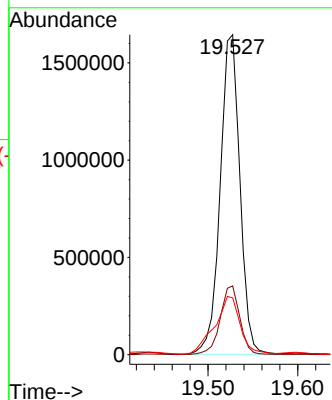
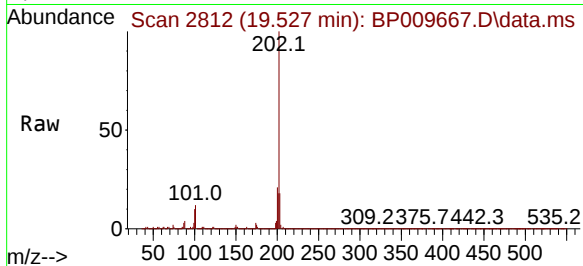




#78
 Pyrene
 Concen: 31.356 ng
 RT: 19.527 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP009667.D
 Acq: 01 Apr 2022 20:19

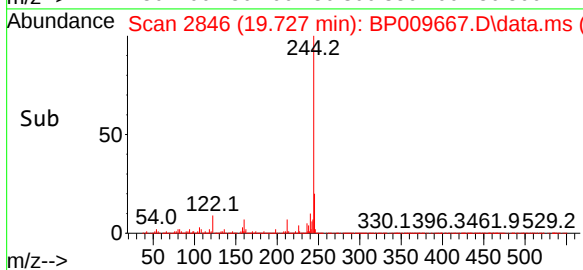
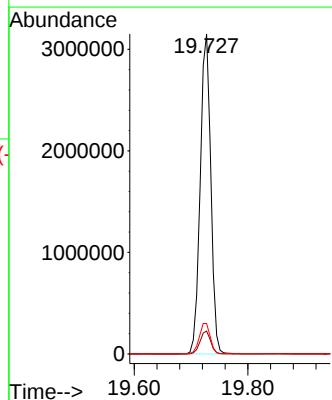
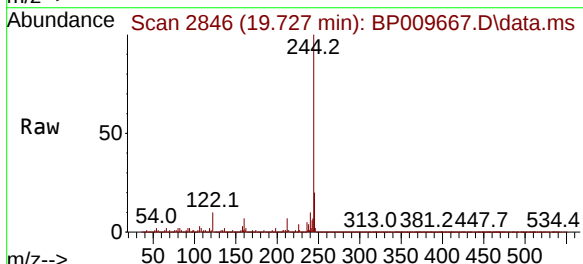
Instrument :
 BNA_P
 ClientSampleId :
 A06015

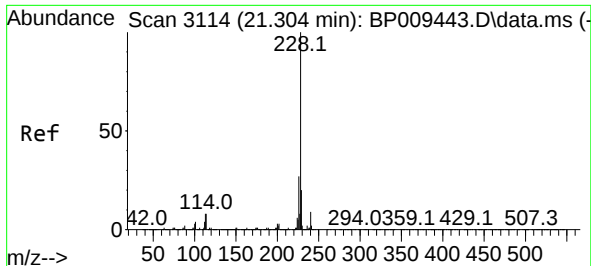
Tgt Ion:202 Resp: 2505772
 Ion Ratio Lower Upper
 202 100
 200 21.5 16.8 25.2
 203 17.8 14.2 21.4



#79
 Terphenyl-d14
 Concen: 60.397 ng
 RT: 19.727 min Scan# 2846
 Delta R.T. -0.012 min
 Lab File: BP009667.D
 Acq: 01 Apr 2022 20:19

Tgt Ion:244 Resp: 4080791
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.5 8.3 12.5

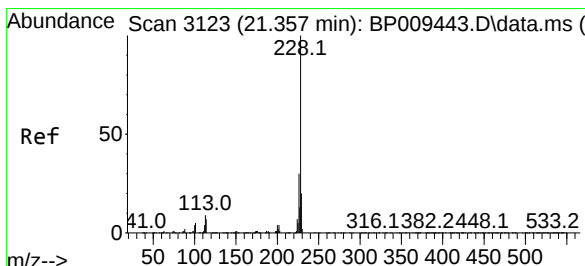
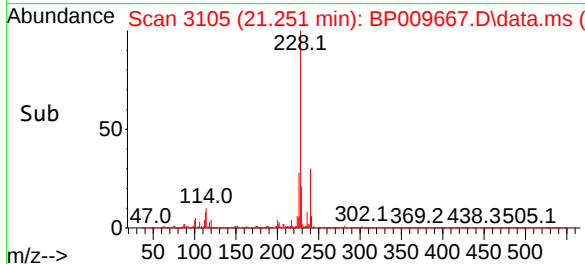
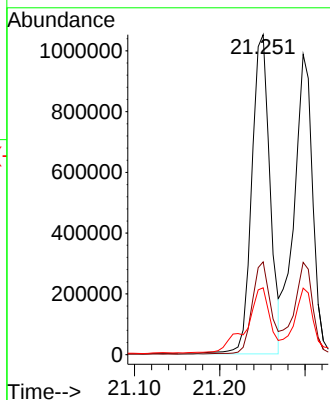
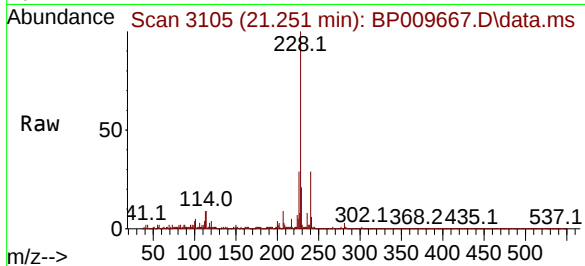




#81
Benzo(a)anthracene
Concen: 19.542 ng
RT: 21.251 min Scan# 3110
Delta R.T. -0.012 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

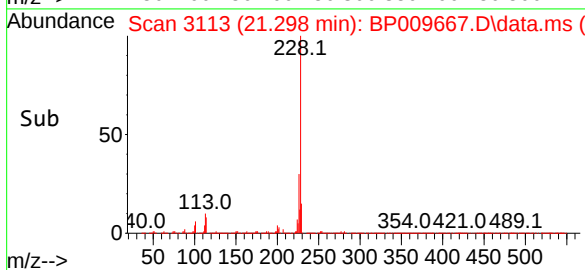
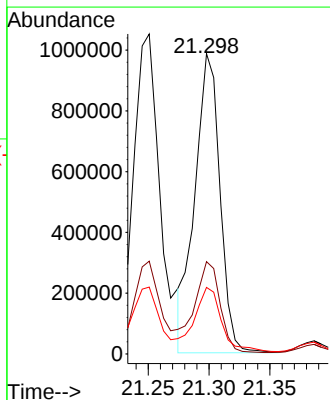
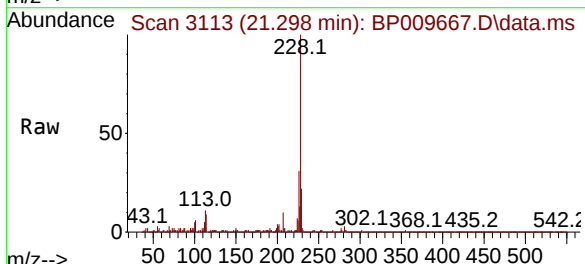
Instrument :
BNA_P
ClientSampleId :
A06015

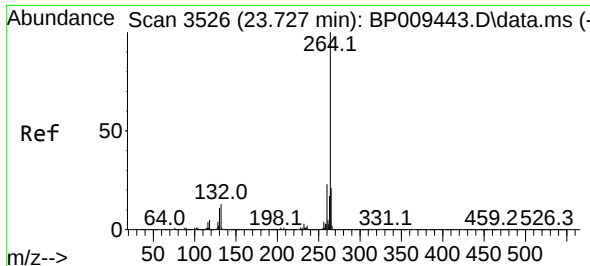
Tgt Ion:228 Resp: 1557014
Ion Ratio Lower Upper
228 100
226 29.0 22.0 33.0
229 20.9 16.1 24.1



#83
Chrysene
Concen: 18.747 ng
RT: 21.298 min Scan# 3113
Delta R.T. -0.012 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

Tgt Ion:228 Resp: 1414397
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.2
229 22.2 16.1 24.1

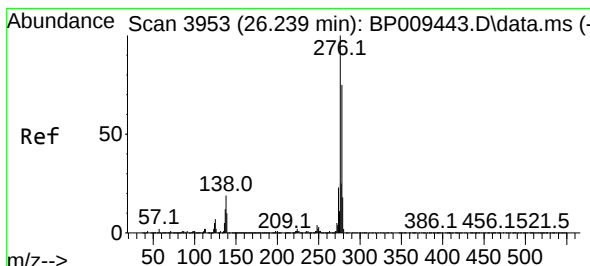
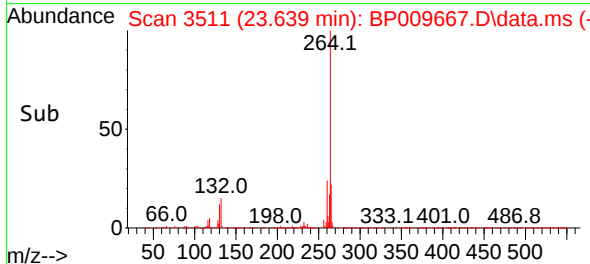
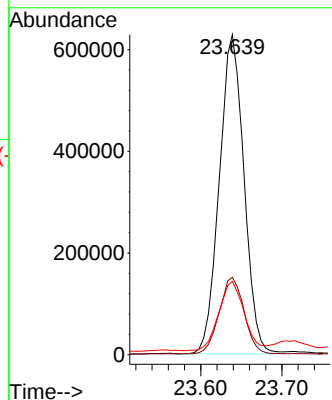
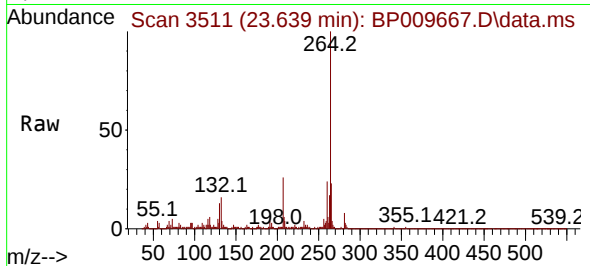




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.639 min Scan# 311
Delta R.T. -0.012 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

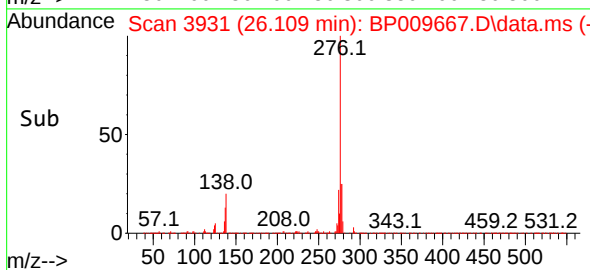
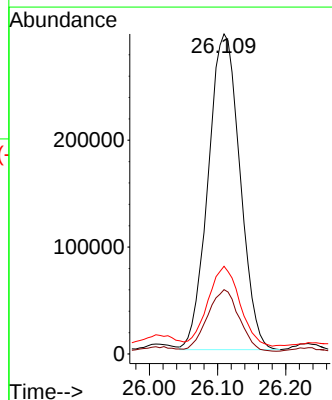
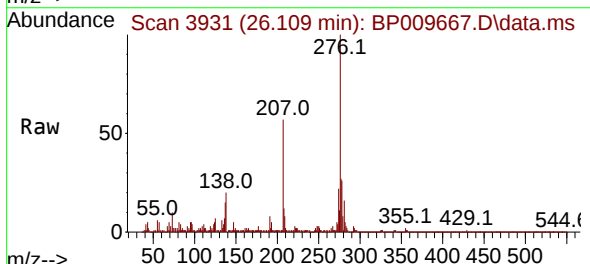
Instrument :
BNA_P
ClientSampleId :
A06015

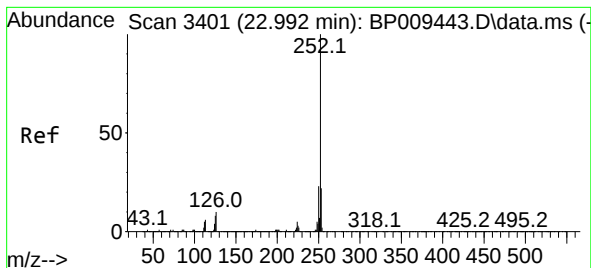
Tgt Ion:264 Resp: 1326806
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.0
265 22.9 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.527 ng
RT: 26.109 min Scan# 3931
Delta R.T. -0.029 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

Tgt Ion:276 Resp: 958983
Ion Ratio Lower Upper
276 100
138 19.4 20.5 30.7#
277 25.3 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 34.244 ng

RT: 22.921 min Scan# 3389

Delta R.T. -0.006 min

Lab File: BP009667.D

Acq: 01 Apr 2022 20:19

Instrument :

BNA_P

ClientSampleId :

A06015

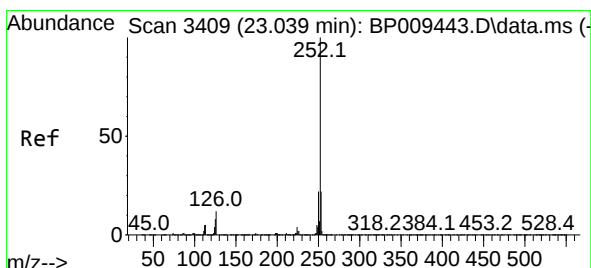
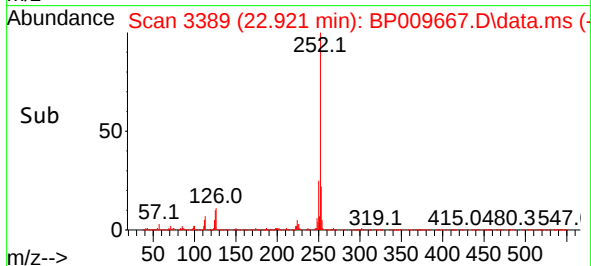
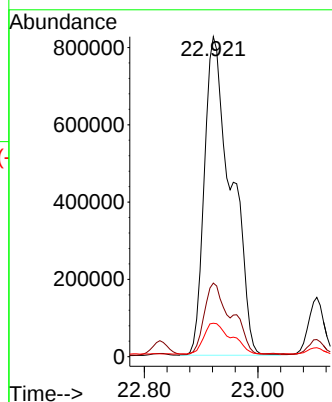
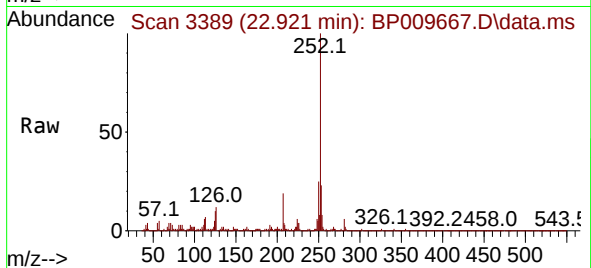
Tgt Ion:252 Resp: 2712338

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

125 10.5 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 34.975 ng

RT: 22.921 min Scan# 3389

Delta R.T. -0.059 min

Lab File: BP009667.D

Acq: 01 Apr 2022 20:19

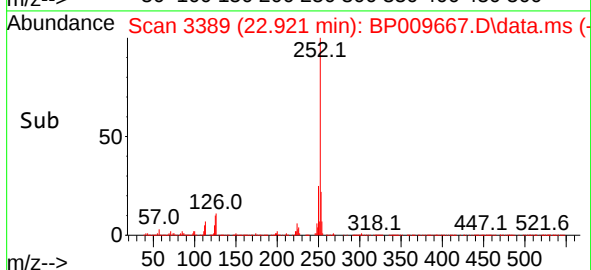
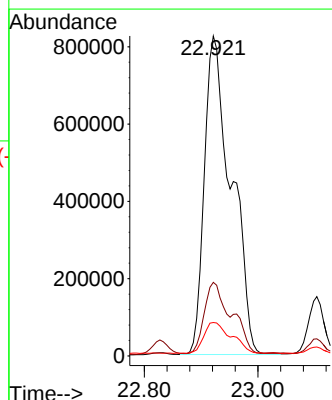
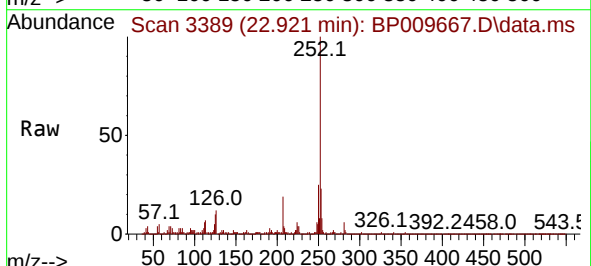
Tgt Ion:252 Resp: 2712338

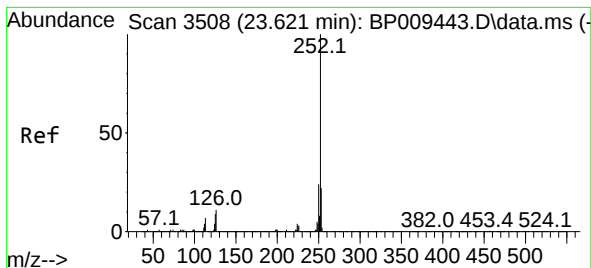
Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 10.5 8.3 12.5





#90

Benzo(a)pyrene

Concen: 19.880 ng

RT: 23.533 min Scan# 34

Delta R.T. -0.018 min

Lab File: BP009667.D

Acq: 01 Apr 2022 20:19

Instrument :

BNA_P

ClientSampleId :

A06015

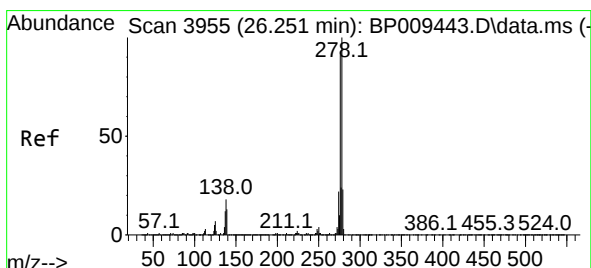
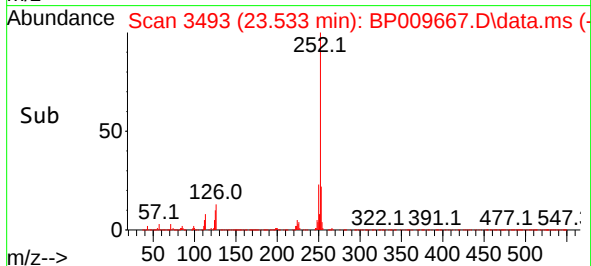
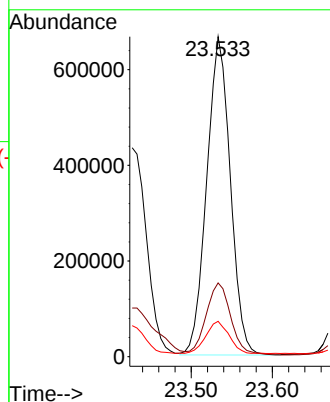
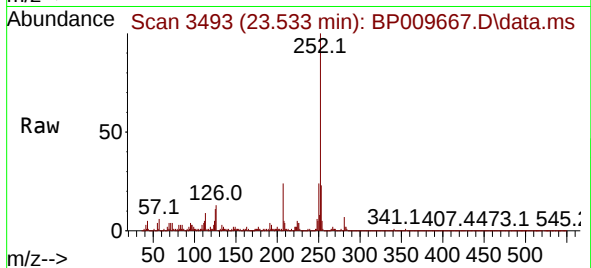
Tgt Ion:252 Resp: 1347230

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

125 11.1 9.3 13.9



#91

Dibenzo(a,h)anthracene

Concen: 2.046 ng

RT: 26.398 min Scan# 3980

Delta R.T. 0.247 min

Lab File: BP009667.D

Acq: 01 Apr 2022 20:19

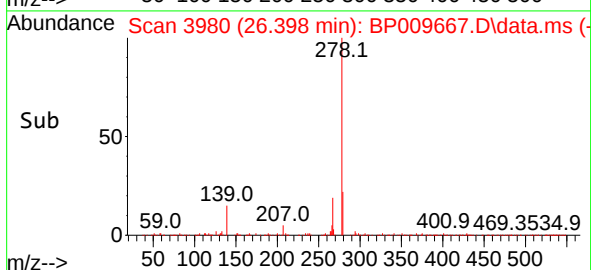
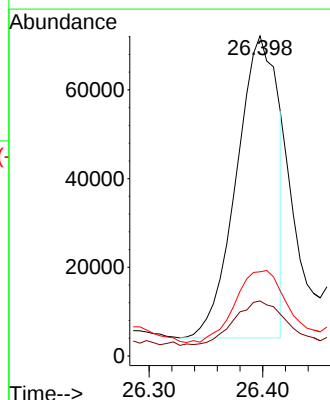
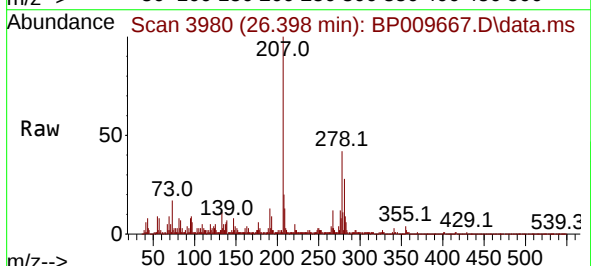
Tgt Ion:278 Resp: 171629

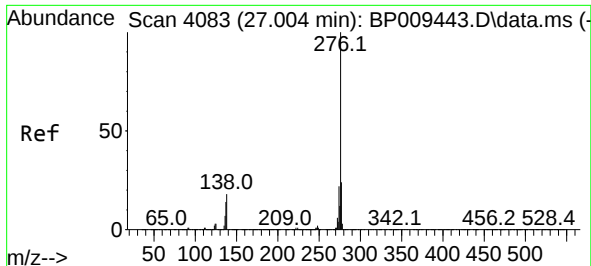
Ion Ratio Lower Upper

278 100

139 17.2 13.2 19.8

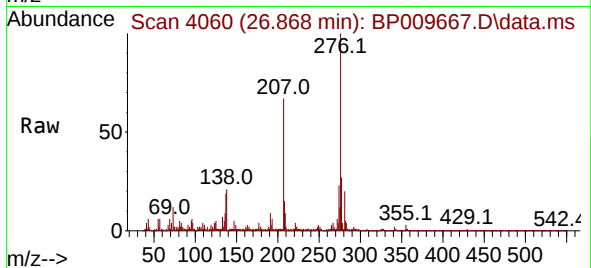
279 26.3 19.2 28.8





#92
Benzo(g,h,i)perylene
Concen: 10.665 ng
RT: 26.868 min Scan# 40
Delta R.T. -0.029 min
Lab File: BP009667.D
Acq: 01 Apr 2022 20:19

Instrument :
BNA_P
ClientSampleId :
A06015



Tgt Ion:276 Resp: 880171
Ion Ratio Lower Upper
276 100
277 27.4 19.2 28.8
138 20.7 18.0 27.0

