

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
 Data File : BP006102.D
 Acq On : 29 Jun 2021 21:27
 Operator : CG/JU
 Sample : M2885-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 41547

Quant Time: Jun 30 01:14:17 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 28 11:34:30 2021
 Response via : Initial Calibration

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

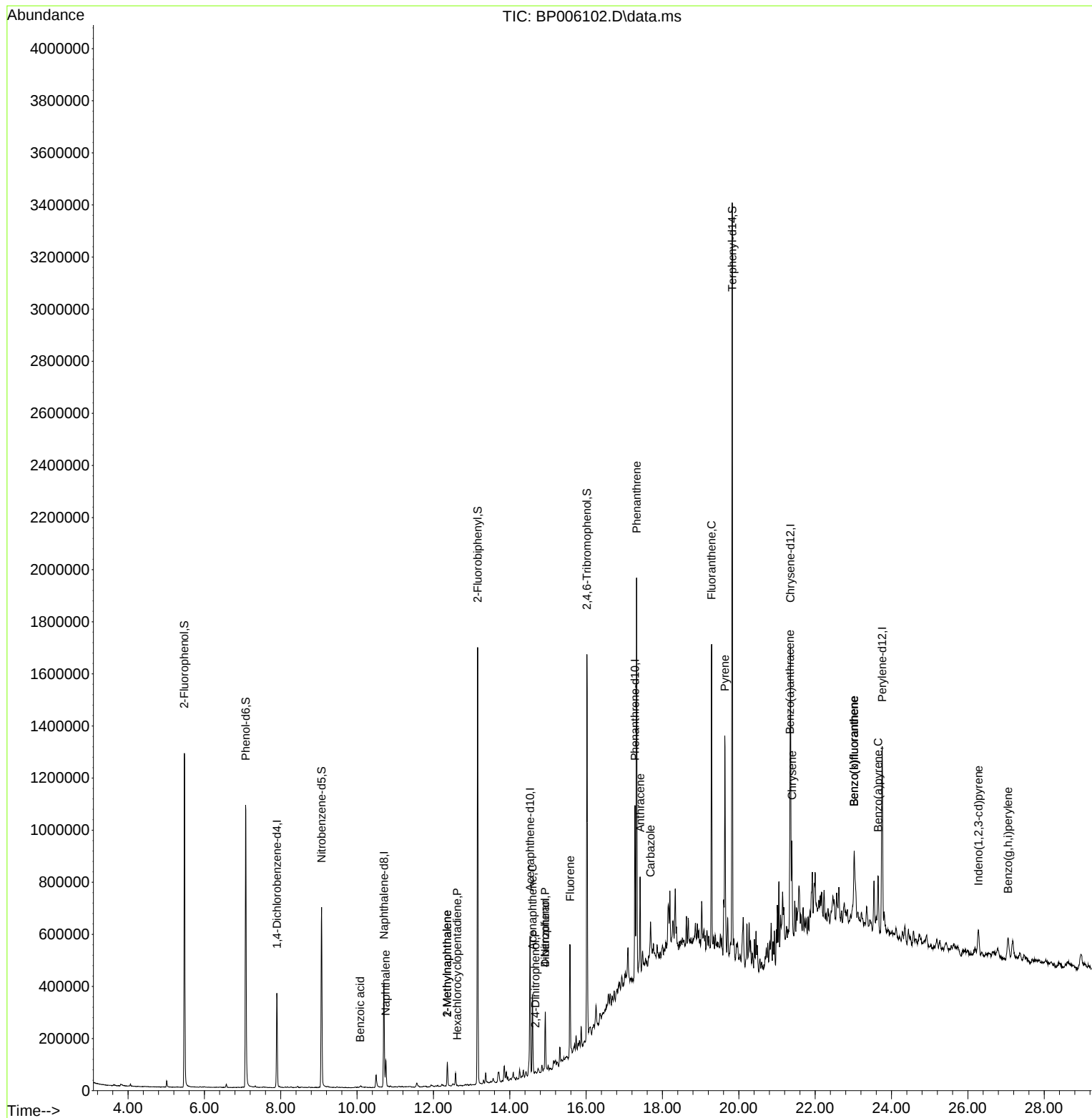
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.899	152	101702	20.00	ng	0.00
21) Naphthalene-d8	10.704	136	345411	20.00	ng	0.00
39) Acenaphthene-d10	14.534	164	189734	20.00	ng	0.00
64) Phenanthrene-d10	17.281	188	373095	20.00	ng	# 0.00
76) Chrysene-d12	21.351	240	472521	20.00	ng	# 0.00
86) Perylene-d12	23.757	264	574290	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	606586	95.71	ng	0.00
7) Phenol-d6	7.081	99	690777	84.09	ng	0.00
23) Nitrobenzene-d5	9.069	82	425626	60.41	ng	0.00
42) 2,4,6-Tribromophenol	16.022	330	307106	94.32	ng	0.00
45) 2-Fluorobiphenyl	13.157	172	843013	58.34	ng	0.00
79) Terphenyl-d14	19.828	244	1253850	49.69	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.752	128	87246	4.37	ng	100
32) Benzoic acid	10.081	122	1743	6.71	ng	94
37) 2-Methylnaphthalene	12.363	142	44926	3.16	ng	98
38) 1-Methylnaphthalene	12.363	142	44926	3.35	ng	100
41) Hexachlorocyclopentadiene	12.622	237	12	5.51	ng	89
52) Acenaphthene	14.593	154	110088	9.46	ng	96
54) 2,4-Dinitrophenol	14.675	184	75	4.88	ng	# 1
55) Dibenzofuran	14.928	168	140020	7.32	ng	99
56) 4-Nitrophenol	14.928	139	54620	19.61	ng	# 8
58) Fluorene	15.581	166	199059	13.35	ng	99
71) Phenanthrene	17.322	178	901037	40.21	ng	99
72) Anthracene	17.416	178	239059	10.84	ng	99
73) Carbazole	17.686	167	62483	2.95	ng	# 91
75) Fluoranthene	19.286	202	688527	25.30	ng	98
78) Pyrene	19.633	202	507536	15.39	ng	99
81) Benzo(a)anthracene	21.339	228	201080	5.90	ng	# 91
83) Chrysene	21.392	228	250768	7.59	ng	# 93
87) Indeno(1,2,3-cd)pyrene	26.274	276	115633	2.35	ng	99
88) Benzo(b)fluoranthene	23.022	252	232405	5.91	ng	# 94
89) Benzo(k)fluoranthene	23.022	252	232405	6.09	ng	# 94
90) Benzo(a)pyrene	23.651	252	157351	4.26	ng	# 94
92) Benzo(g,h,i)perylene	27.051	276	128186	3.07	ng	# 94

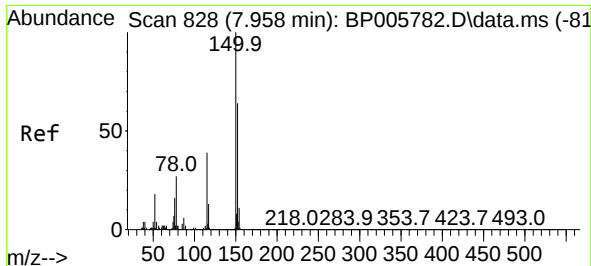
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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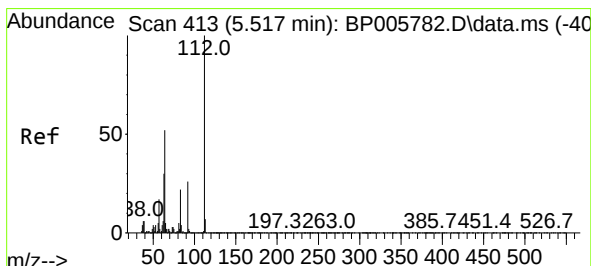
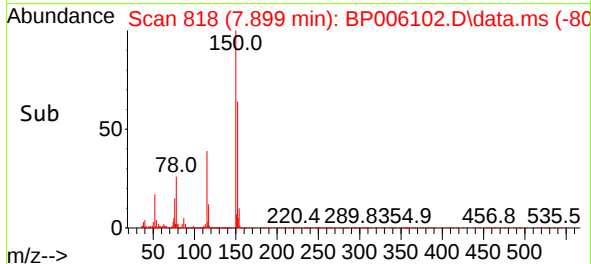
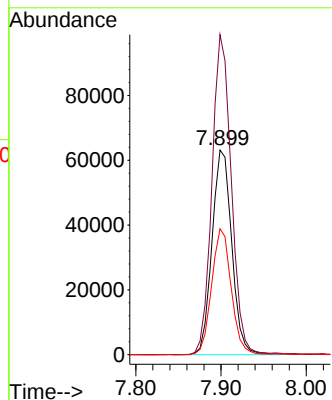
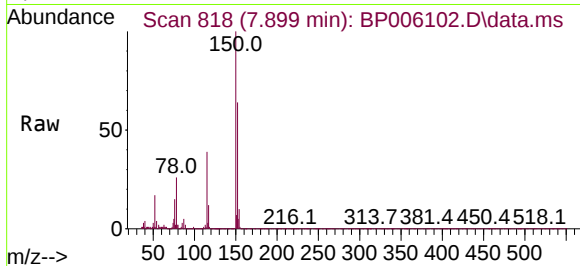




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.899 min Scan# 818
Delta R.T. -0.006 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

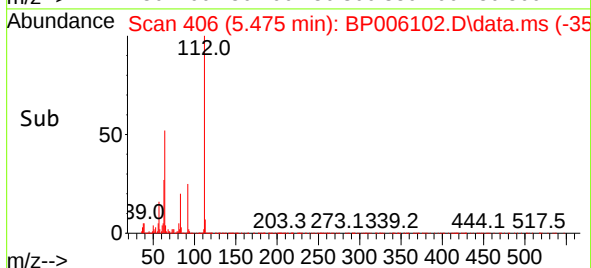
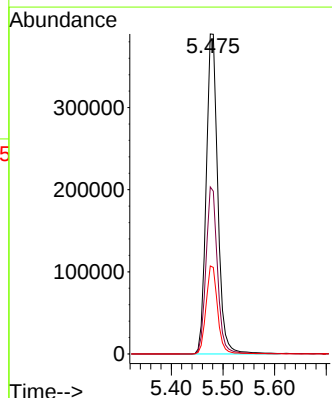
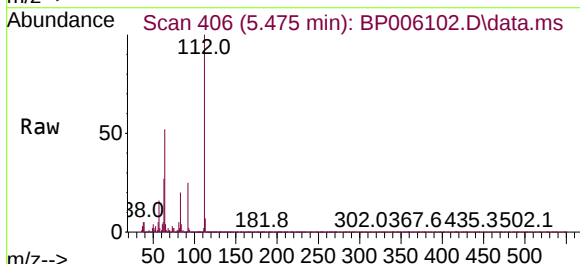
Instrument :
BNA_P
ClientSampleId :
41547

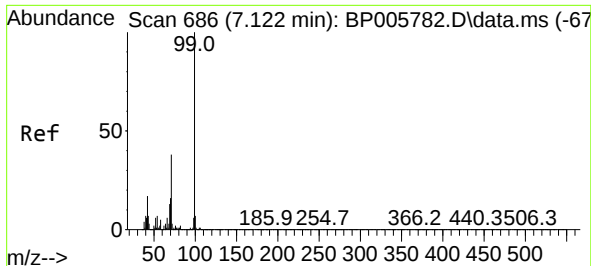
Tgt Ion:152 Resp: 101702
Ion Ratio Lower Upper
152 100
150 156.3 125.6 188.4
115 61.5 48.5 72.7



#5
2-Fluorophenol
Concen: 95.71 ng
RT: 5.475 min Scan# 406
Delta R.T. 0.000 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

Tgt Ion:112 Resp: 606586
Ion Ratio Lower Upper
112 100
64 52.2 41.4 62.2
63 27.5 23.8 35.8

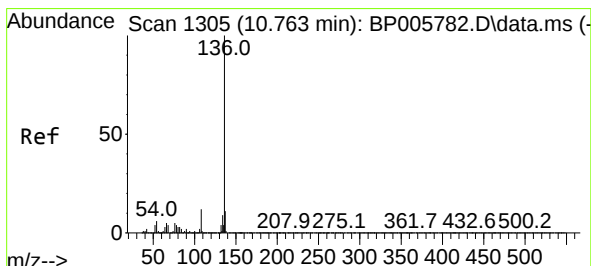
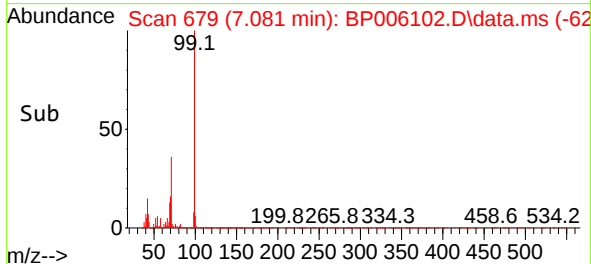
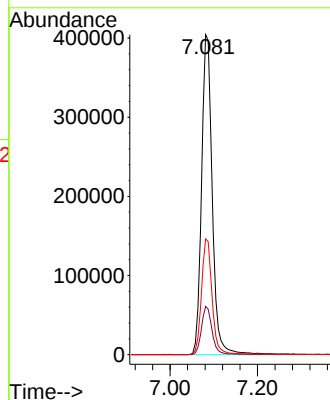
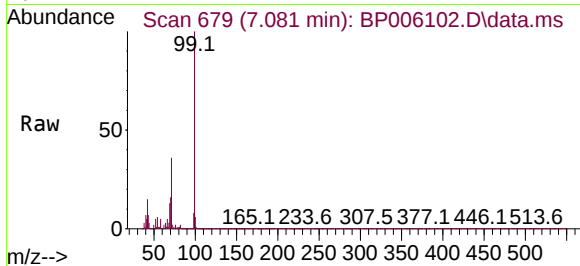




#7
Phenol-d6
Concen: 84.09 ng
RT: 7.081 min Scan# 679
Delta R.T. 0.000 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

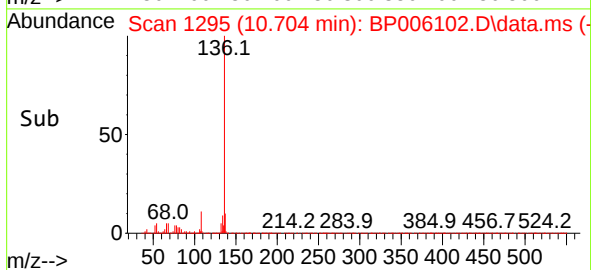
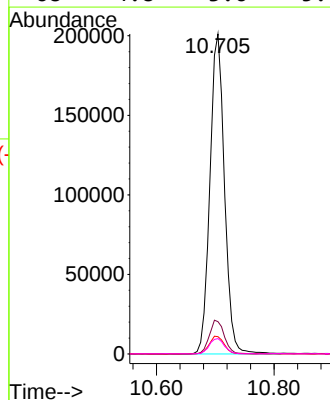
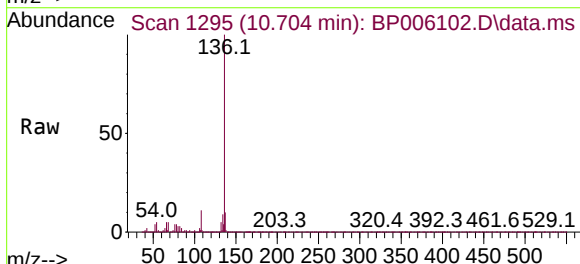
Instrument :
BNA_P
ClientSampleId :
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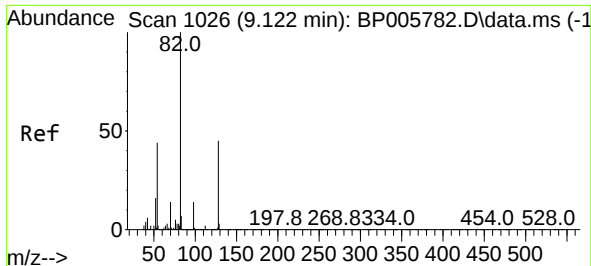
Tgt Ion: 99 Resp: 690777
Ion Ratio Lower Upper
99 100
42 15.1 13.4 20.0
71 36.2 30.6 46.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

Tgt Ion: 136 Resp: 345411
Ion Ratio Lower Upper
136 100
137 10.1 8.6 12.8
54 5.4 4.6 6.8
68 4.8 3.6 5.4

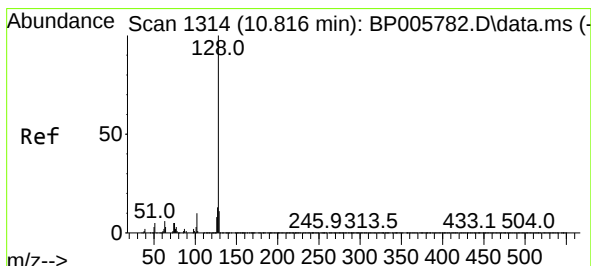
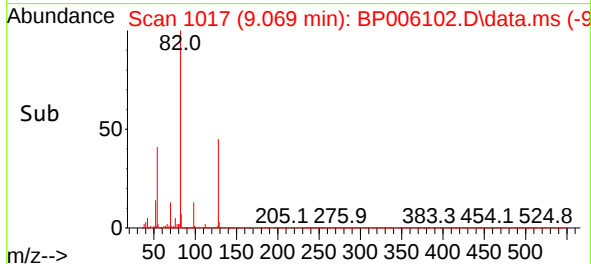
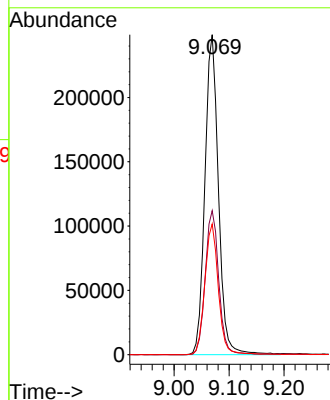
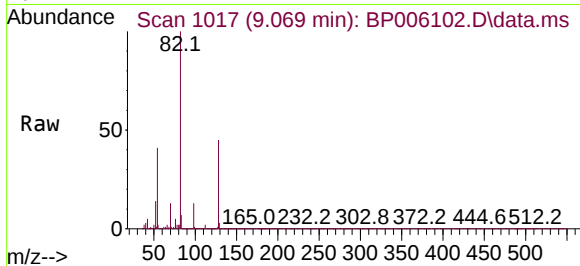




#23
Nitrobenzene-d5
Concen: 60.41 ng
RT: 9.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

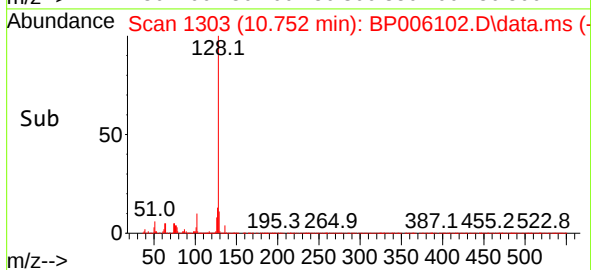
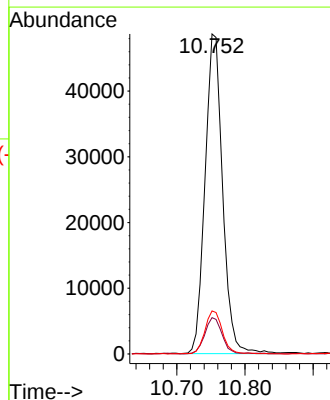
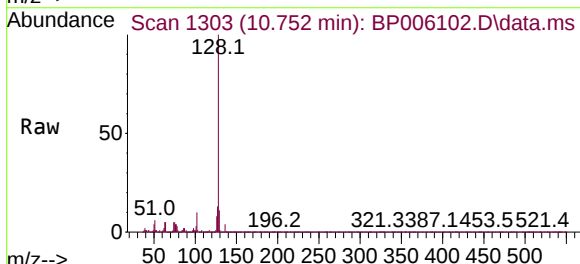
Instrument :
BNA_P
ClientSampleId :
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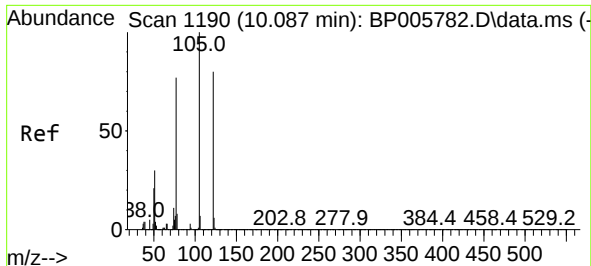
Tgt Ion: 82 Resp: 425626
Ion Ratio Lower Upper
82 100
128 45.0 35.7 53.5
54 40.9 35.0 52.4



#31
Naphthalene
Concen: 4.37 ng
RT: 10.752 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

Tgt Ion: 128 Resp: 87246
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 13.4 10.7 16.1

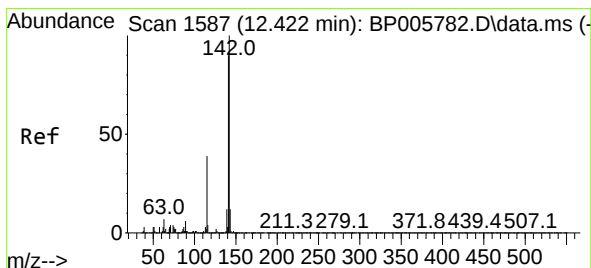
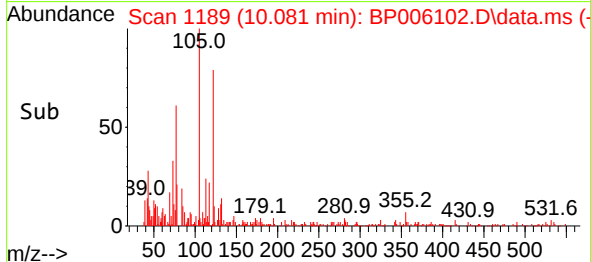
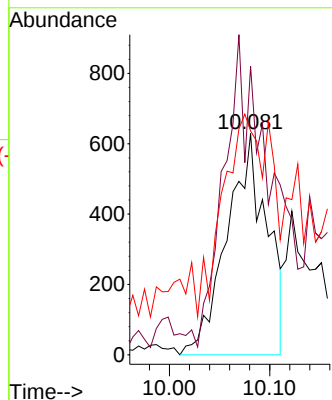
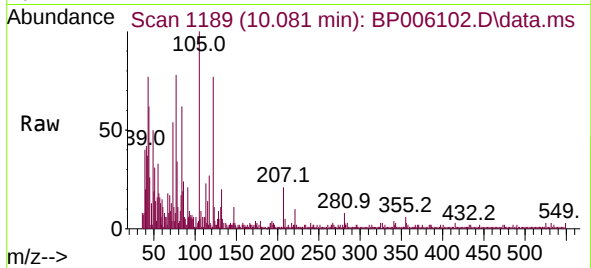




#32
Benzoic acid
Concen: 6.71 ng
RT: 10.081 min Scan# 1189
Delta R.T. 0.000 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

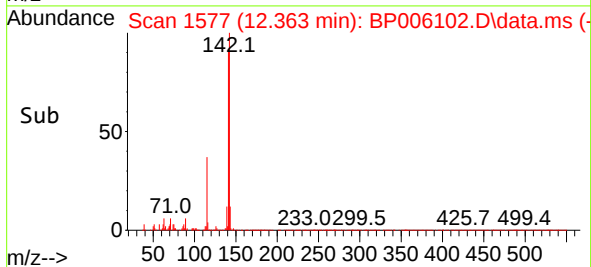
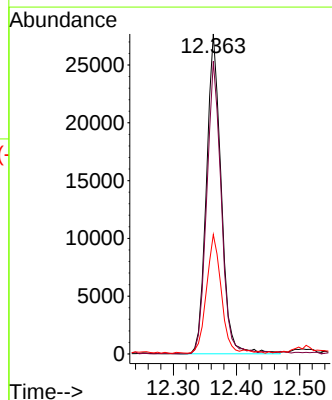
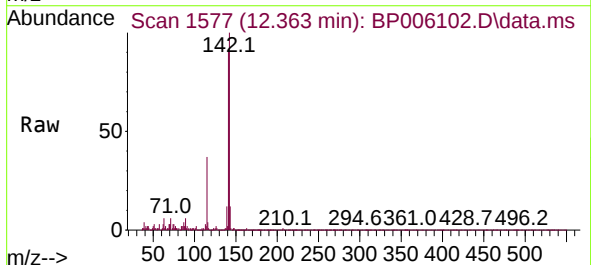
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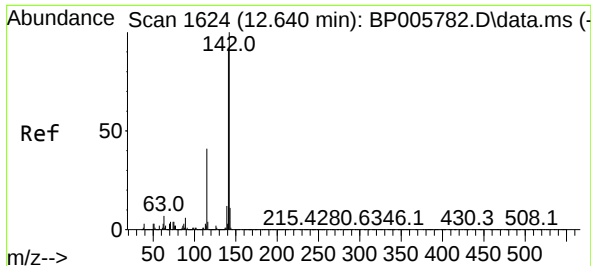
Tgt Ion:122 Resp: 1743
Ion Ratio Lower Upper
122 100
105 130.4 103.2 143.2
77 101.1 76.2 116.2



#37
2-Methylnaphthalene
Concen: 3.16 ng
RT: 12.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

Tgt Ion:142 Resp: 44926
Ion Ratio Lower Upper
142 100
141 91.5 71.8 107.6
115 37.3 31.6 47.4

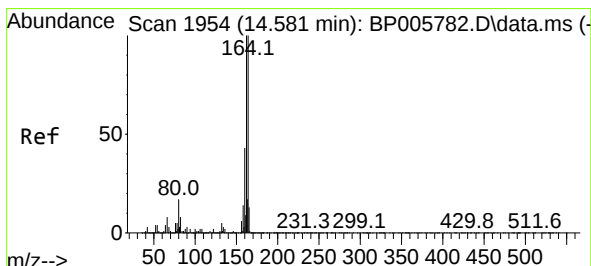
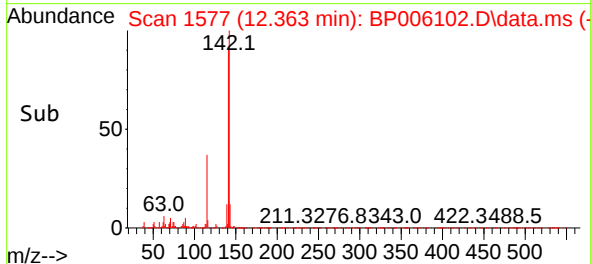
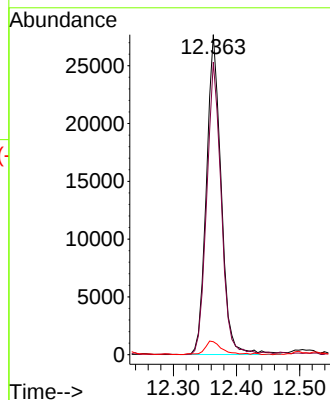
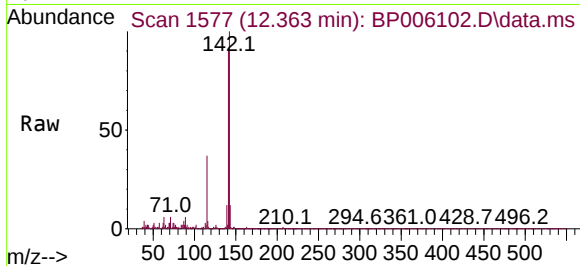




#38
1-Methylnaphthalene
Concen: 3.35 ng
RT: 12.363 min Scan# 1577
Delta R.T. -0.223 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

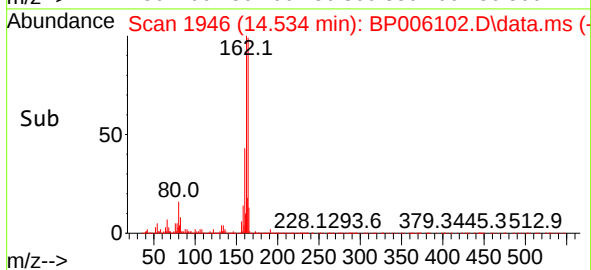
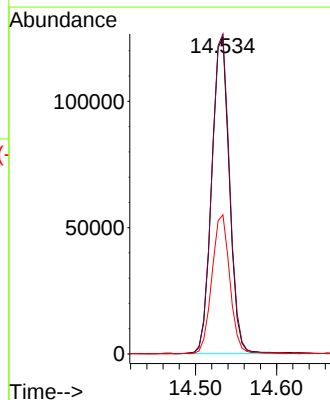
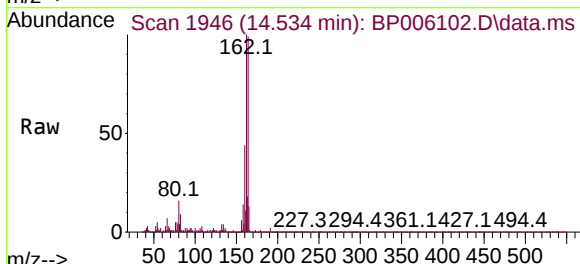
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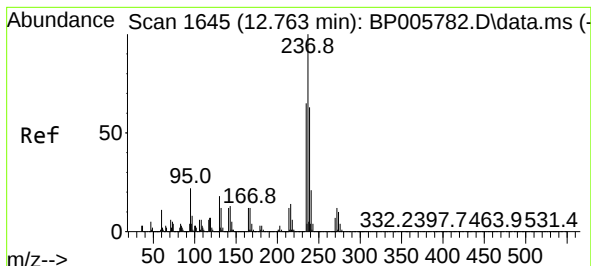
Tgt Ion:142 Resp: 44926
Ion Ratio Lower Upper
142 100
141 91.5 73.3 109.9
116 4.0 3.5 5.3



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.534 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

Tgt Ion:164 Resp: 189734
Ion Ratio Lower Upper
164 100
162 101.1 80.2 120.2
160 44.0 34.5 51.7

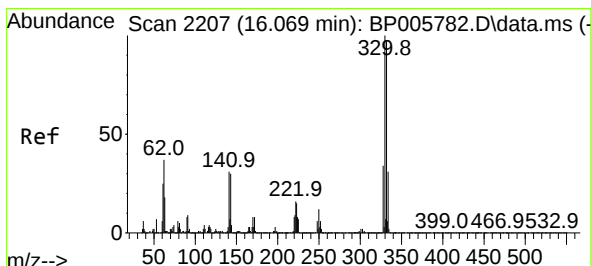
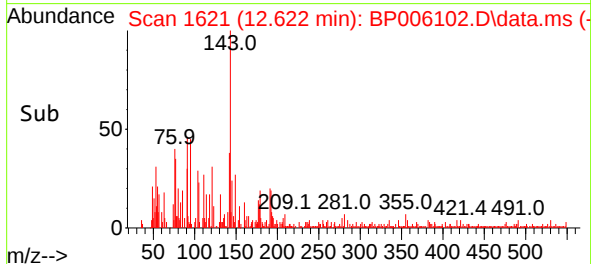
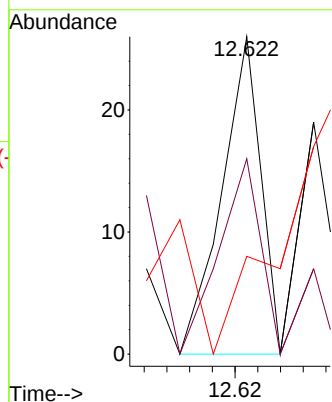
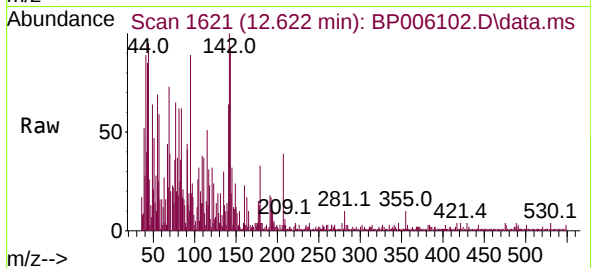




#41
Hexachlorocyclopentadiene
Concen: 5.51 ng
RT: 12.622 min Scan# 1621
Delta R.T. -0.088 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

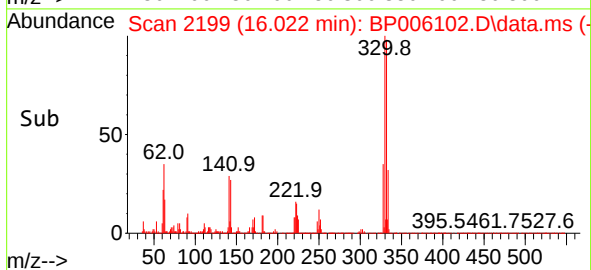
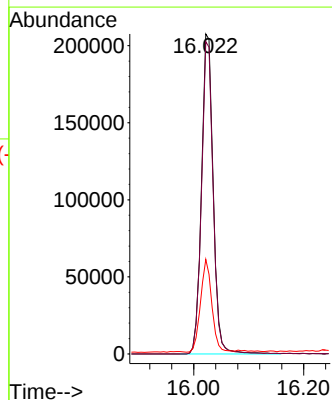
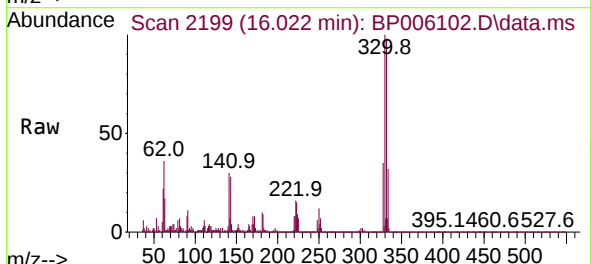
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ClientSampled :
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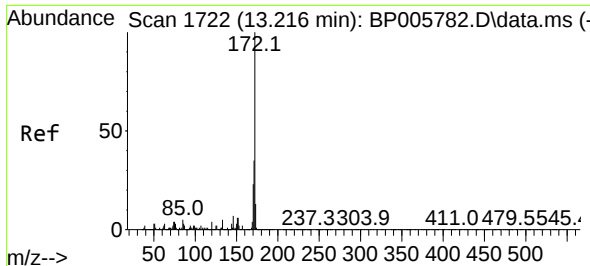
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Ion Ratio	Lower	Upper
237	100	
235	61.5	44.5 84.5
272	30.8	0.0 32.5



#42
2,4,6-Tribromophenol
Concen: 94.32 ng
RT: 16.022 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

Tgt Ion:330	Resp:	307106
Ion Ratio	Lower	Upper
330	100	
332	96.9	77.8 116.8
141	28.0	25.4 38.2

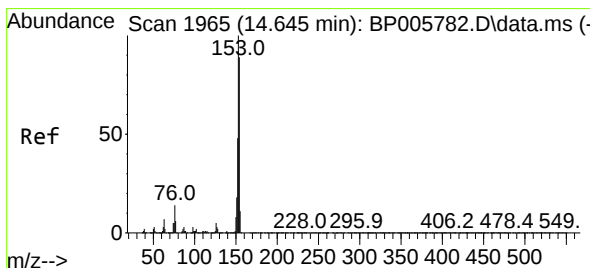
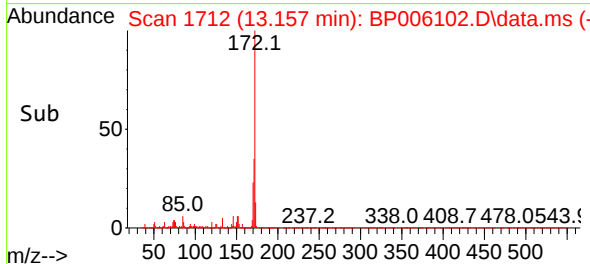
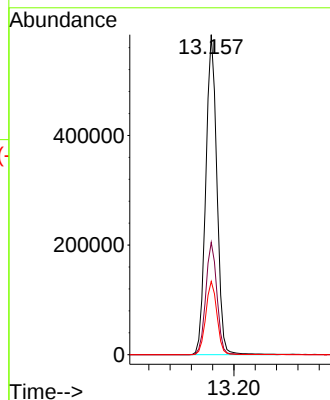
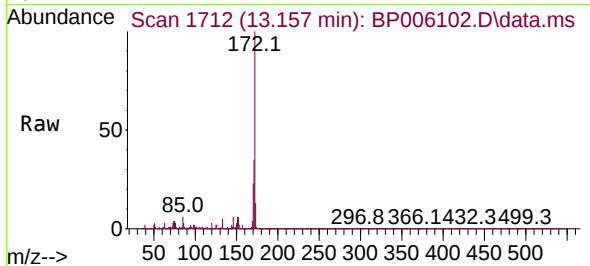




#45
2-Fluorobiphenyl
Concen: 58.34 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

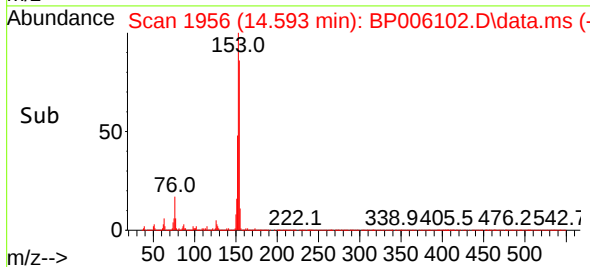
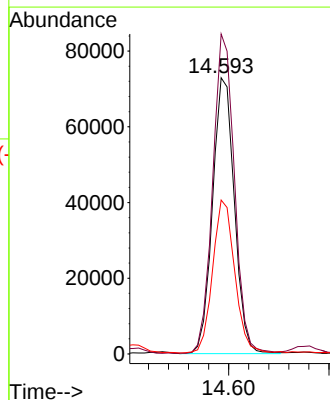
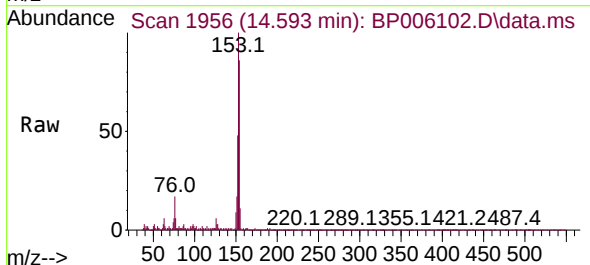
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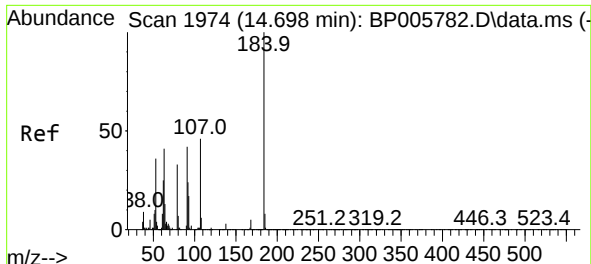
Tgt Ion:172	Resp: 843013
Ion Ratio	Lower Upper
172 100	
171 35.1	27.9 41.9
170 22.9	18.6 27.8



#52
Acenaphthene
Concen: 9.46 ng
RT: 14.593 min Scan# 1956
Delta R.T. -0.006 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

Tgt Ion:154	Resp: 110088		
Ion Ratio	Lower	Upper	
154	100		
153	115.9	89.4	134.2
152	55.7	43.0	64.4

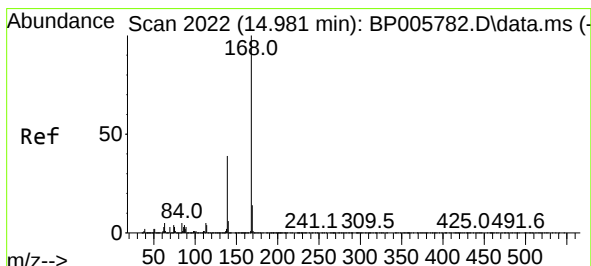
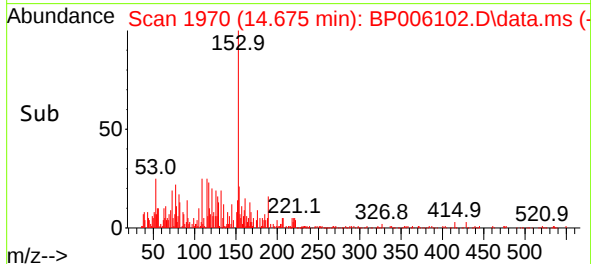
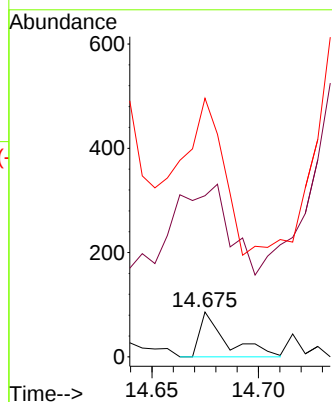
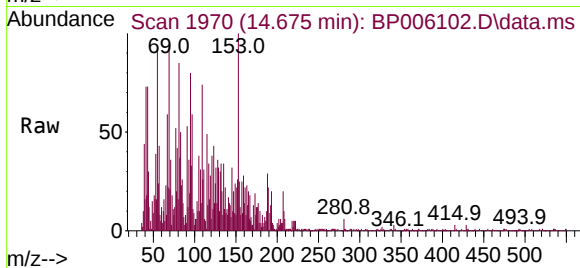




#54
2,4-Dinitrophenol
Concen: 4.88 ng
RT: 14.675 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

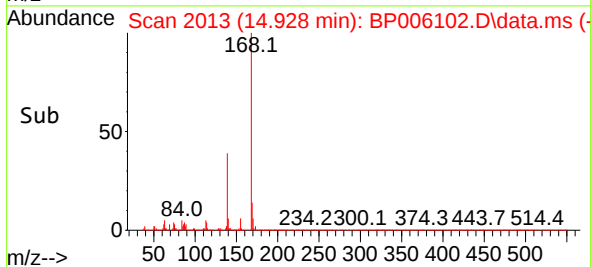
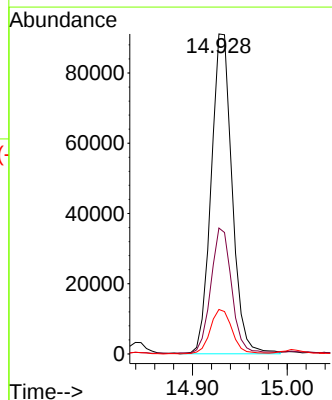
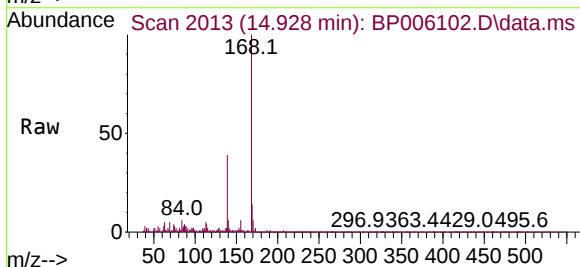
Instrument :
BNA_P
ClientSampleId :
41547

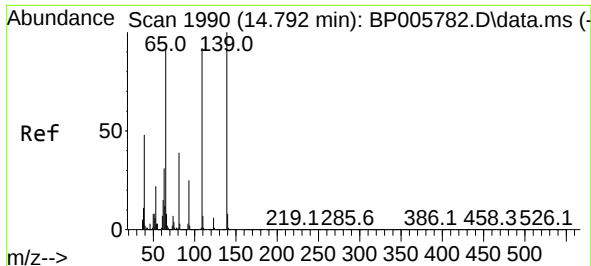
Tgt Ion:184 Resp: 75
Ion Ratio Lower Upper
184 100
63 359.3 47.0 70.6#
154 576.7 52.3 78.5#



#55
Dibenzofuran
Concen: 7.32 ng
RT: 14.928 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

Tgt Ion:168 Resp: 140020
Ion Ratio Lower Upper
168 100
139 39.4 31.0 46.6
169 13.9 10.8 16.2

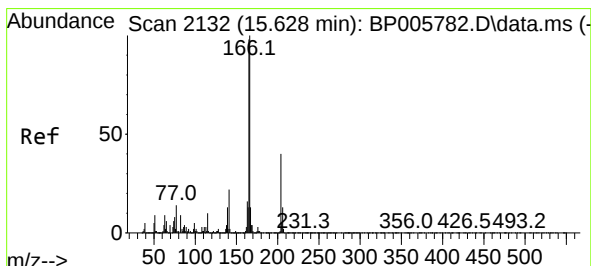
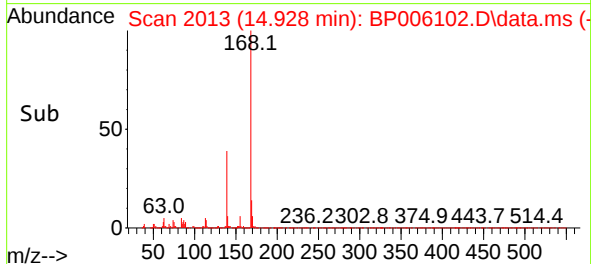
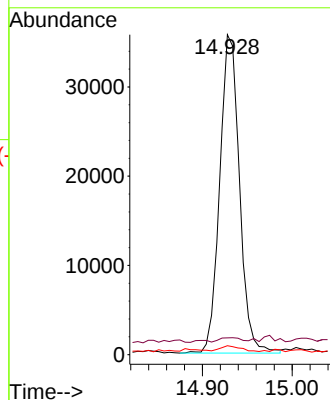
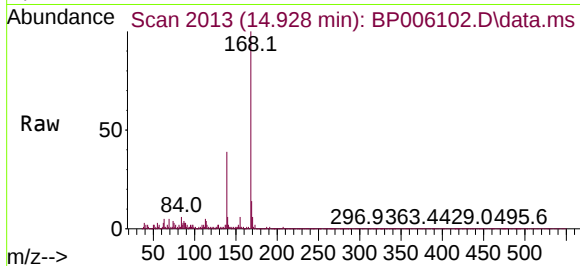




#56
4-Nitrophenol
Concen: 19.61 ng
RT: 14.928 min Scan# 2013
Delta R.T. 0.147 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

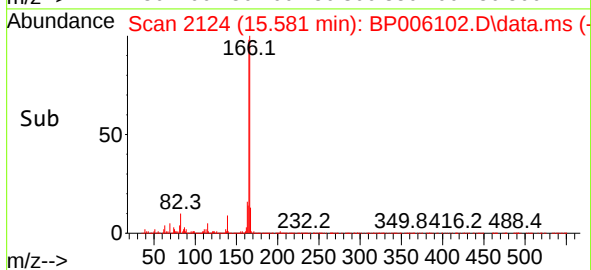
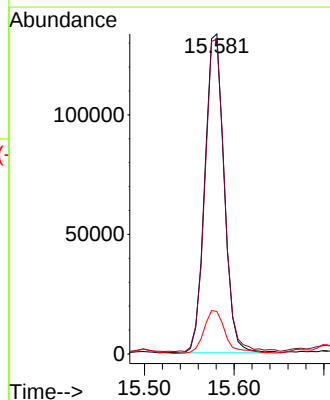
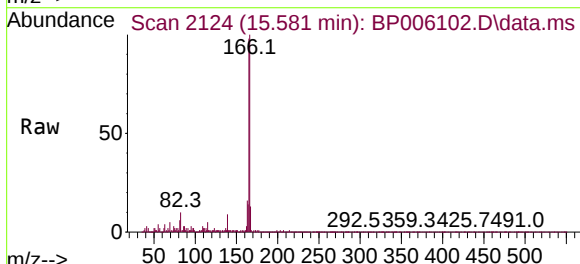
Instrument :
BNA_P
ClientSampleId :
41547

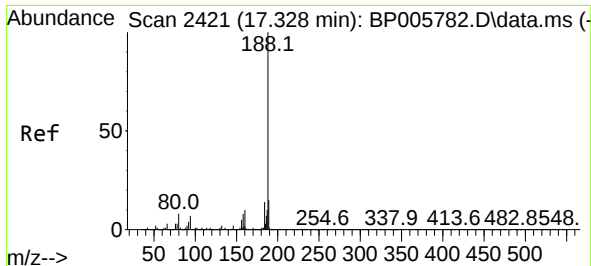
Tgt Ion:139 Resp: 54620
Ion Ratio Lower Upper
139 100
109 5.2 72.3 112.3#
65 2.8 72.5 112.5#



#58
Fluorene
Concen: 13.35 ng
RT: 15.581 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

Tgt Ion:166 Resp: 199059
Ion Ratio Lower Upper
166 100
165 98.4 78.0 117.0
167 13.3 10.5 15.7

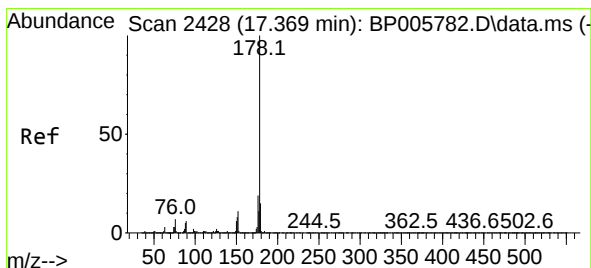
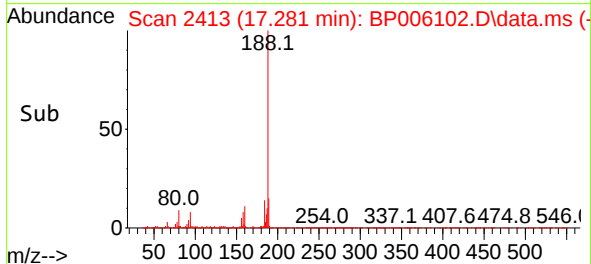
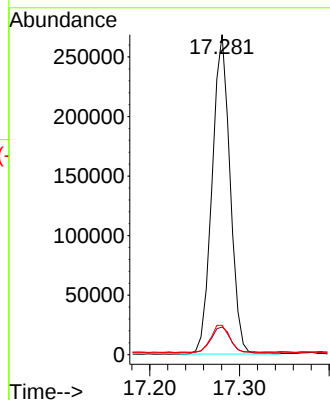
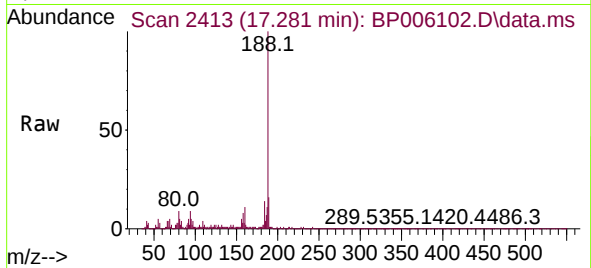




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.281 min Scan# 2413
Delta R.T. 0.000 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

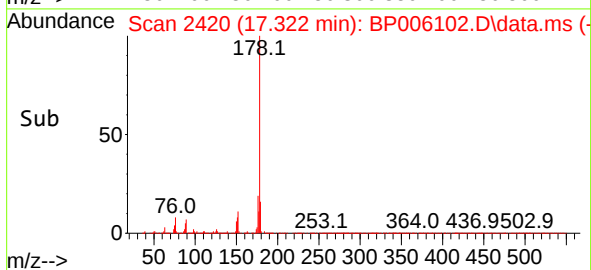
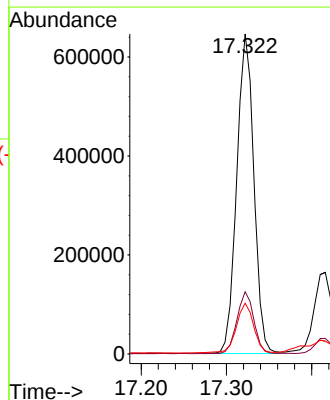
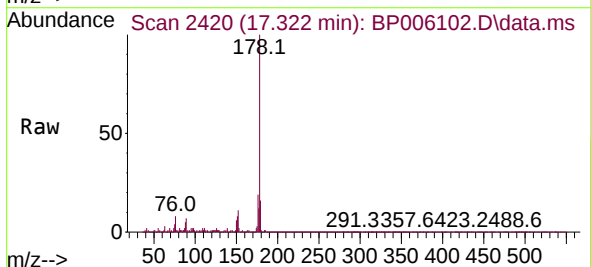
Instrument :
BNA_P
ClientSampleId :
41547

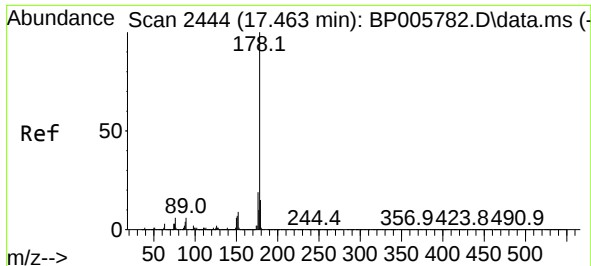
Tgt Ion:188 Resp: 373095
Ion Ratio Lower Upper
188 100
94 8.7 5.6 8.4#
80 9.2 6.3 9.5



#71
Phenanthrene
Concen: 40.21 ng
RT: 17.322 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

Tgt Ion:178 Resp: 901037
Ion Ratio Lower Upper
178 100
176 19.4 15.1 22.7
179 15.9 12.4 18.6

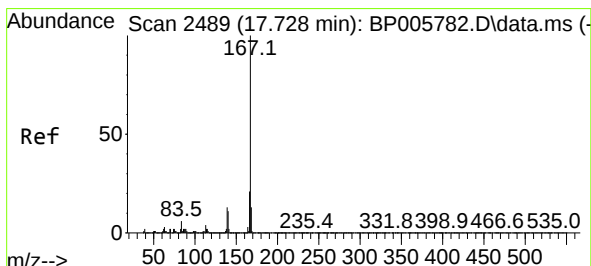
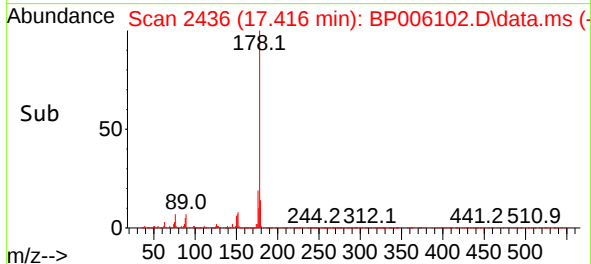
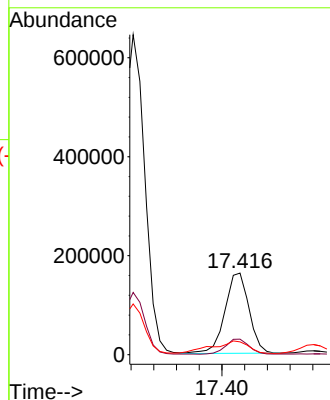
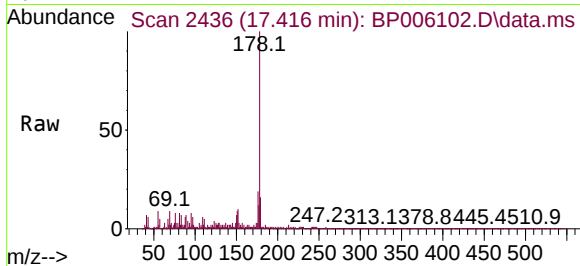




#72
 Anthracene
 Concen: 10.84 ng
 RT: 17.416 min Scan# 2436
 Delta R.T. 0.000 min
 Lab File: BP006102.D
 Acq: 29 Jun 2021 21:27

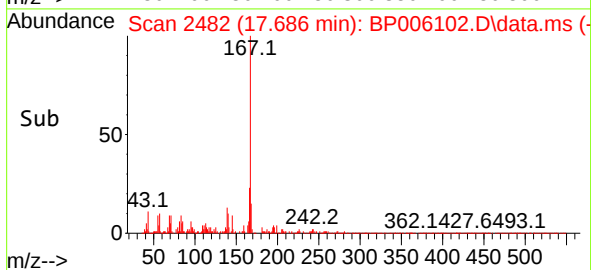
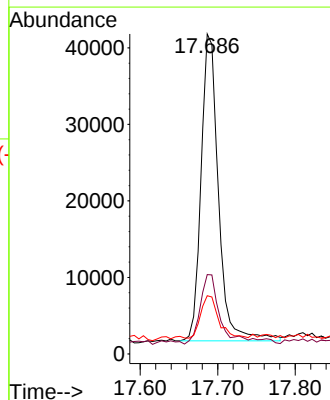
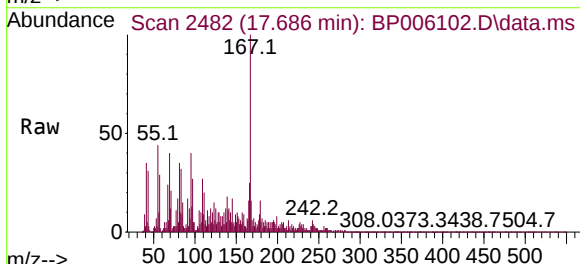
Instrument :
 BNA_P
 ClientSampleId :
 41547

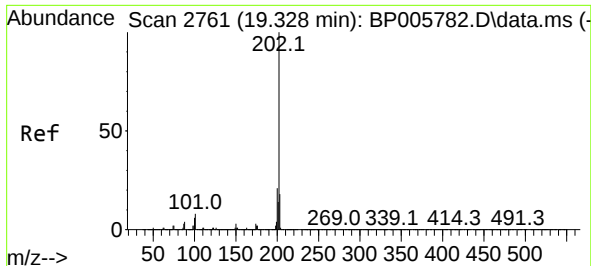
Tgt Ion:178 Resp: 239059
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.9 22.3
 179 15.8 12.2 18.2



#73
 Carbazole
 Concen: 2.95 ng
 RT: 17.686 min Scan# 2482
 Delta R.T. -0.006 min
 Lab File: BP006102.D
 Acq: 29 Jun 2021 21:27

Tgt Ion:167 Resp: 62483
 Ion Ratio Lower Upper
 167 100
 166 24.8 17.1 25.7
 139 18.2 10.7 16.1#

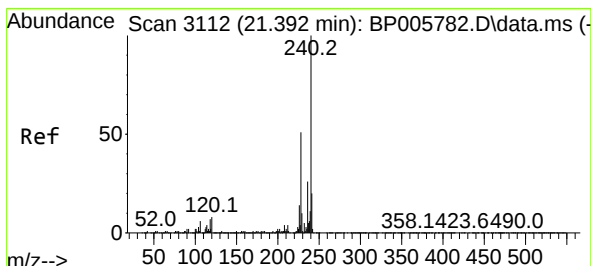
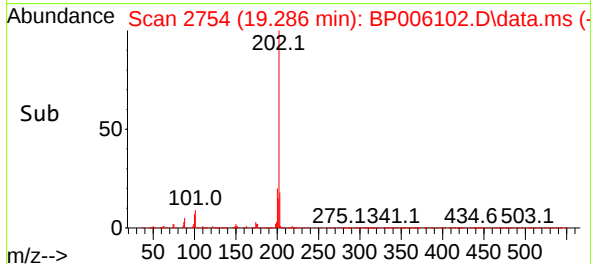
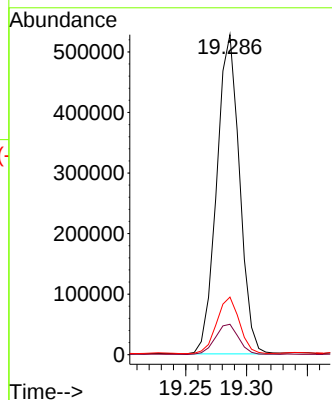
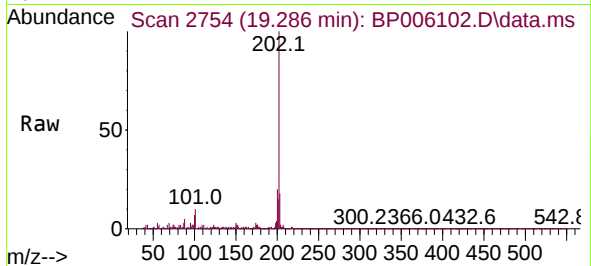




#75
Fluoranthene
Concen: 25.30 ng
RT: 19.286 min Scan# 2754
Delta R.T. 0.000 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

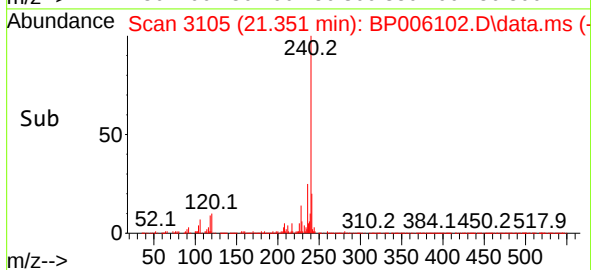
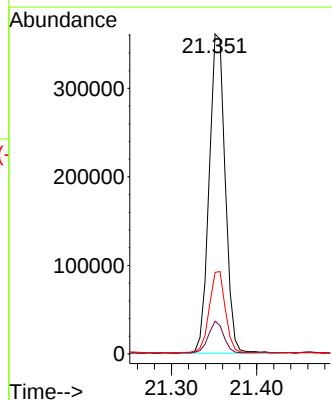
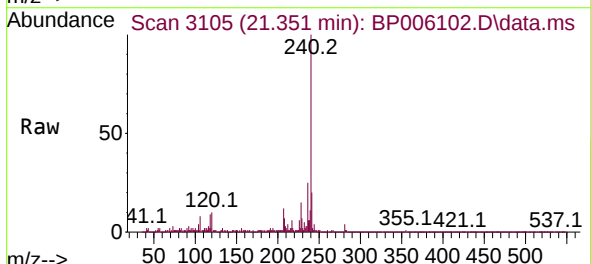
Instrument :
BNA_P
ClientSampleId :
41547

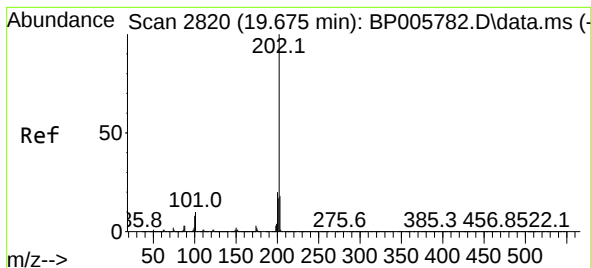
Tgt Ion:202 Resp: 688527
Ion Ratio Lower Upper
202 100
101 9.5 0.0 27.6
203 18.0 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.351 min Scan# 3105
Delta R.T. -0.006 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

Tgt Ion:240 Resp: 472521
Ion Ratio Lower Upper
240 100
120 10.2 6.5 9.7#
236 25.5 20.6 31.0





#78

Pyrene

Concen: 15.39 ng

RT: 19.633 min Scan# 2813

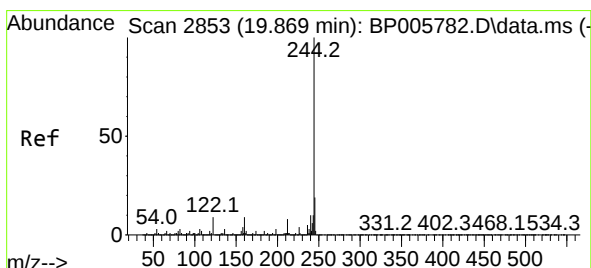
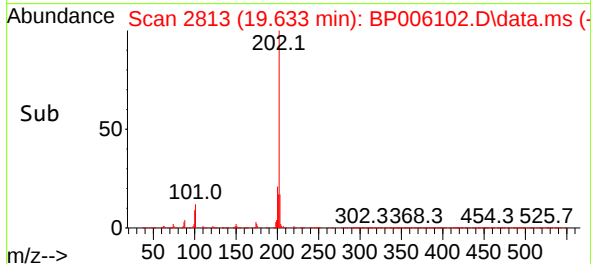
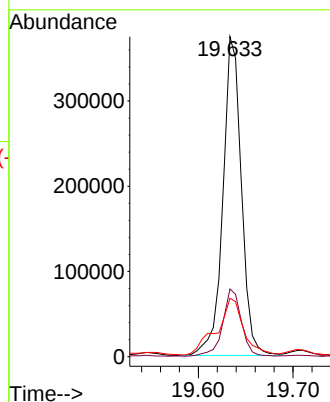
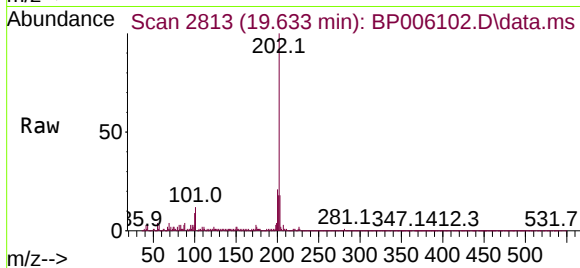
Delta R.T. -0.006 min

Lab File: BP006102.D

Acq: 29 Jun 2021 21:27

Tgt Ion:202 Resp: 507536

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.3	24.5
203	18.3	14.2	21.2



#79

Terphenyl-d14

Concen: 49.69 ng

RT: 19.828 min Scan# 2846

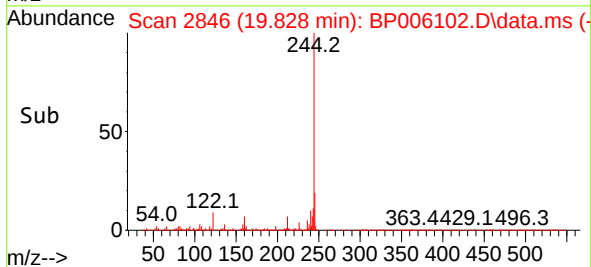
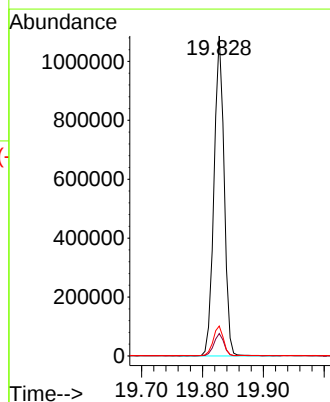
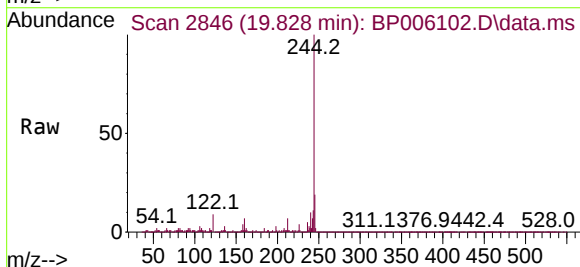
Delta R.T. -0.006 min

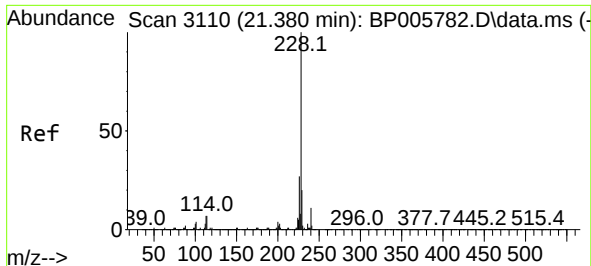
Lab File: BP006102.D

Acq: 29 Jun 2021 21:27

Tgt Ion:244 Resp: 1253850

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	9.3	7.1	10.7

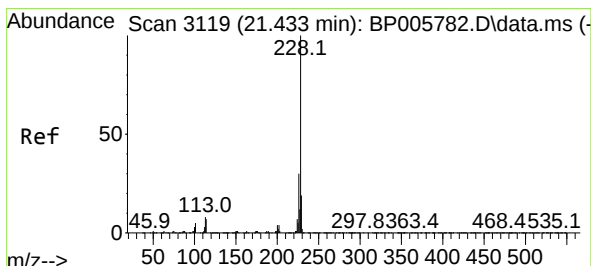
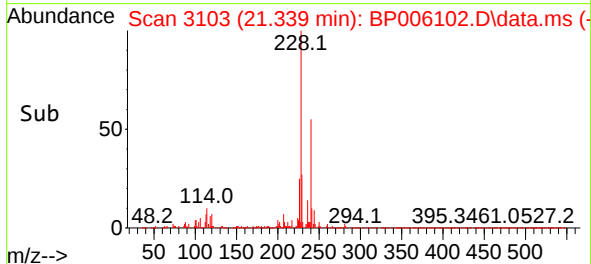
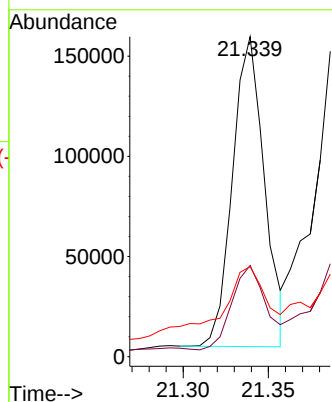
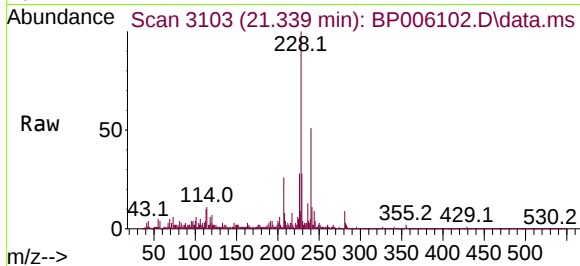




#81
Benzo(a)anthracene
Concen: 5.90 ng
RT: 21.339 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

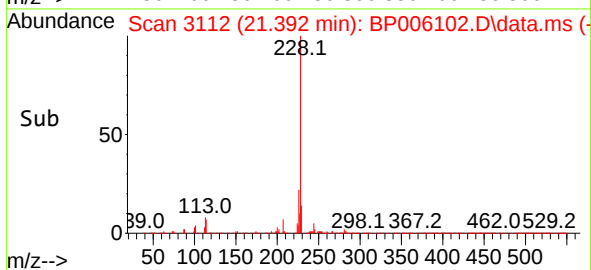
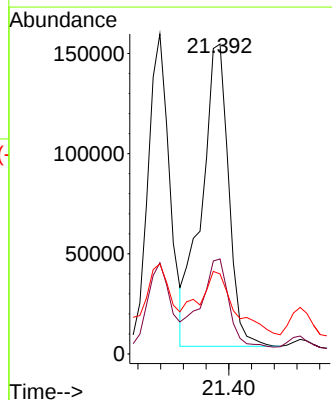
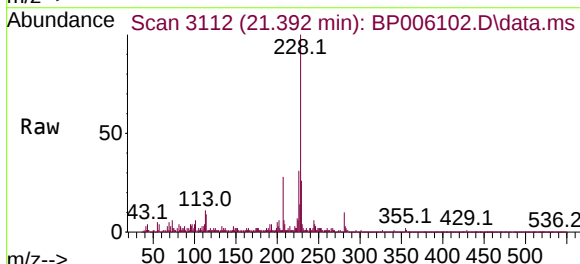
Instrument :
BNA_P
ClientSampleId :
41547

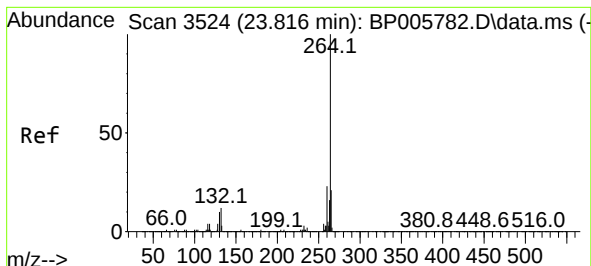
Tgt Ion:228 Resp: 201080
Ion Ratio Lower Upper
228 100
226 28.5 21.6 32.4
229 28.2 15.8 23.6#



#83
Chrysene
Concen: 7.59 ng
RT: 21.392 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

Tgt Ion:228 Resp: 250768
Ion Ratio Lower Upper
228 100
226 30.7 23.8 35.6
229 25.8 15.4 23.2#





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.757 min Scan# 3514

Delta R.T. 0.000 min

Lab File: BP006102.D

Acq: 29 Jun 2021 21:27

Instrument :

BNA_P

ClientSampleId :

41547

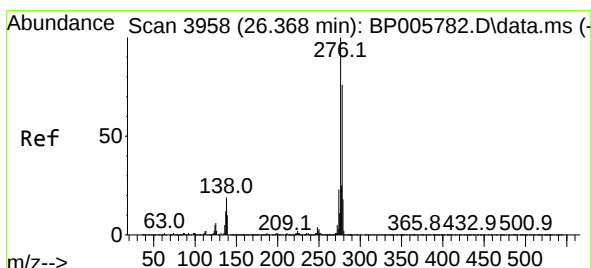
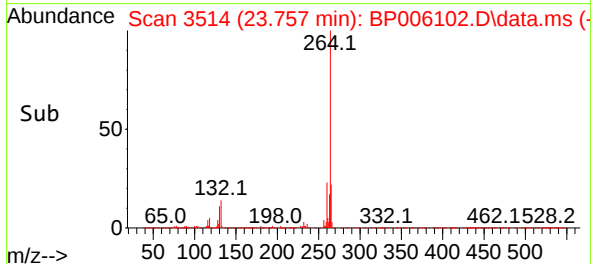
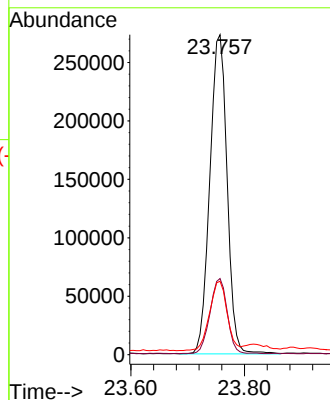
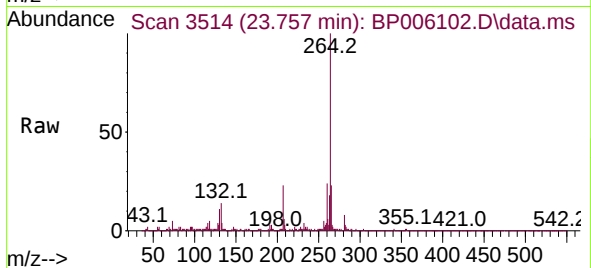
Tgt Ion:264 Resp: 574290

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 23.0 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.35 ng

RT: 26.274 min Scan# 3942

Delta R.T. -0.018 min

Lab File: BP006102.D

Acq: 29 Jun 2021 21:27

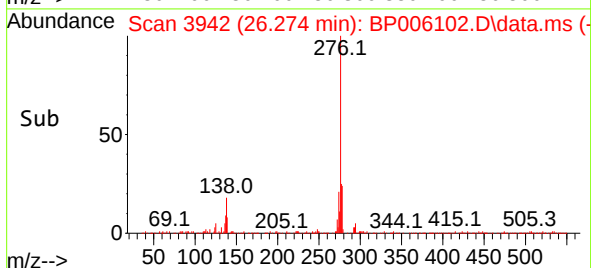
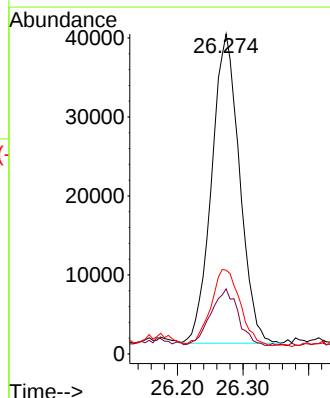
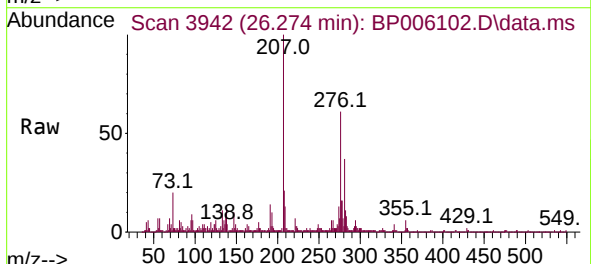
Tgt Ion:276 Resp: 115633

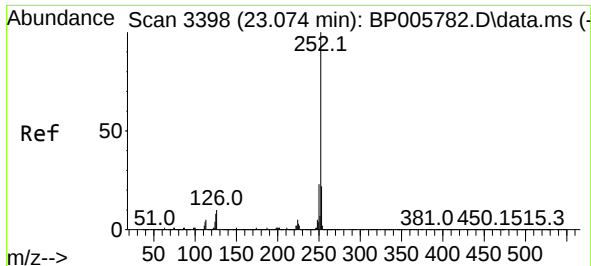
Ion Ratio Lower Upper

276 100

138 18.0 15.3 22.9

277 25.8 20.4 30.6

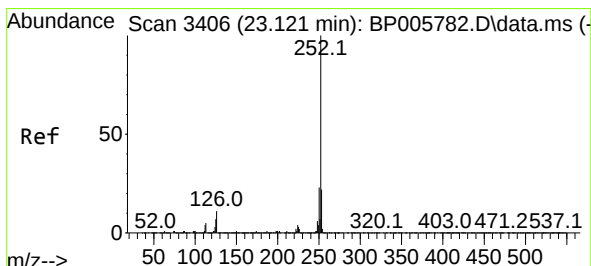
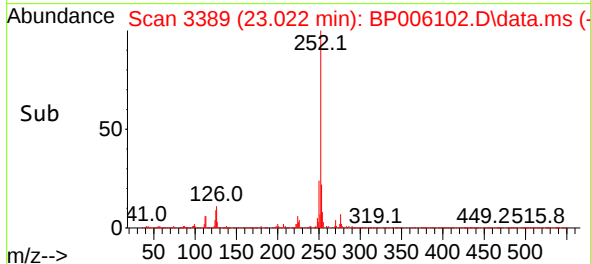
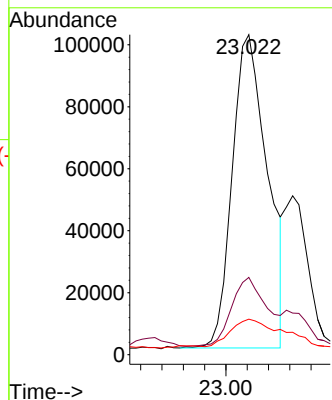
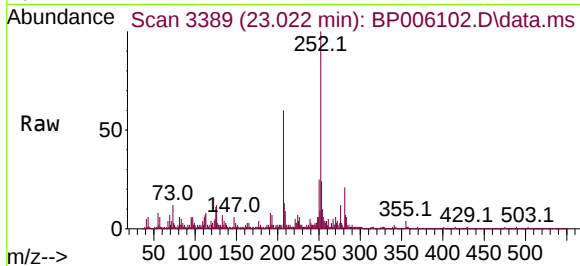




#88
Benzo(b)fluoranthene
Concen: 5.91 ng
RT: 23.022 min Scan# 3389
Delta R.T. 0.000 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

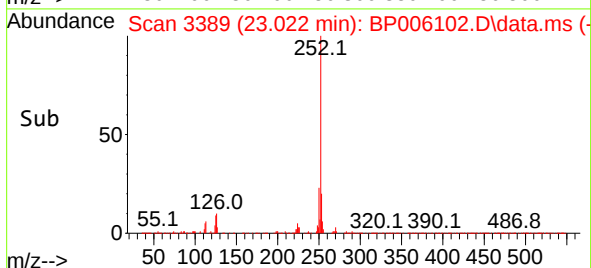
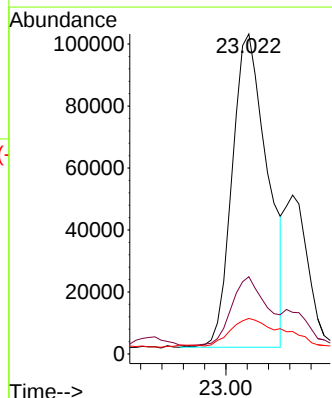
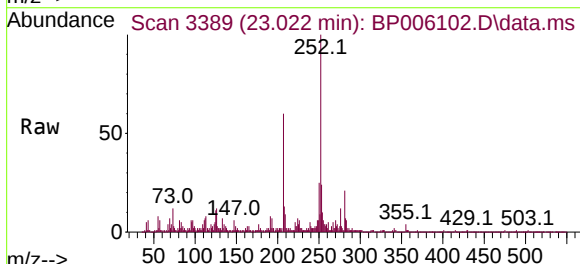
Instrument :
BNA_P
ClientSampled :
41547

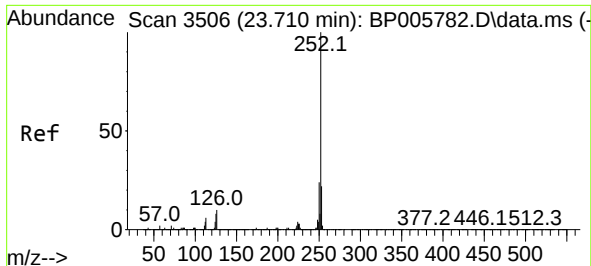
Tgt Ion:252 Resp: 232405
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 11.1 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 6.09 ng
RT: 23.022 min Scan# 3389
Delta R.T. -0.047 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

Tgt Ion:252 Resp: 232405
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 11.1 6.0 9.0#

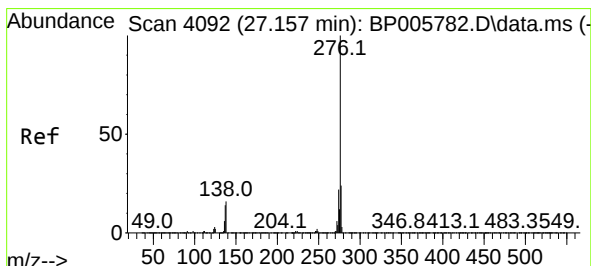
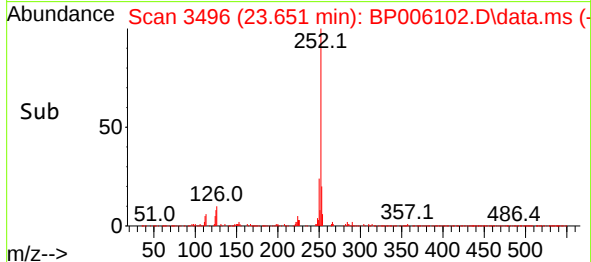
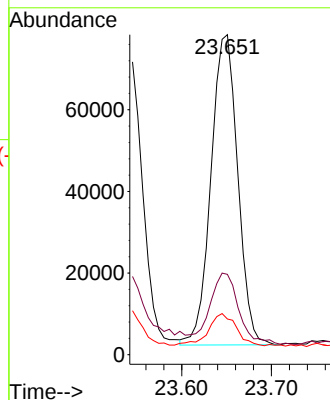
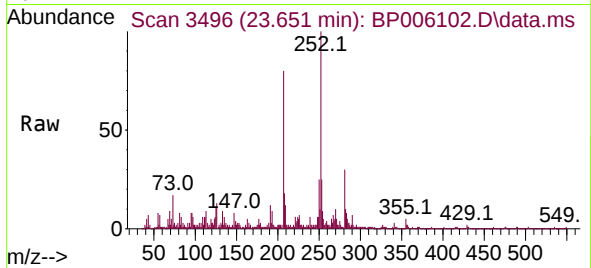




#90
Benzo(a)pyrene
Concen: 4.26 ng
RT: 23.651 min Scan# 3496
Delta R.T. 0.000 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

Instrument :
BNA_P
ClientSampleId :
41547

Tgt Ion:252 Resp: 157351
Ion Ratio Lower Upper
252 100
253 25.1 17.9 26.9
125 11.2 6.5 9.7#



#92
Benzo(g,h,i)perylene
Concen: 3.07 ng
RT: 27.051 min Scan# 4074
Delta R.T. -0.012 min
Lab File: BP006102.D
Acq: 29 Jun 2021 21:27

Tgt Ion:276 Resp: 128186
Ion Ratio Lower Upper
276 100
277 25.0 18.9 28.3
138 19.9 12.6 18.8#

