

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040221\
 Data File : BP005163.D
 Acq On : 02 Apr 2021 17:19
 Operator : CG/JU
 Sample : M1836-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B5-19-21

Quant Time: Apr 02 18:09:34 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 01 12:23:57 2021
 Response via : Initial Calibration

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

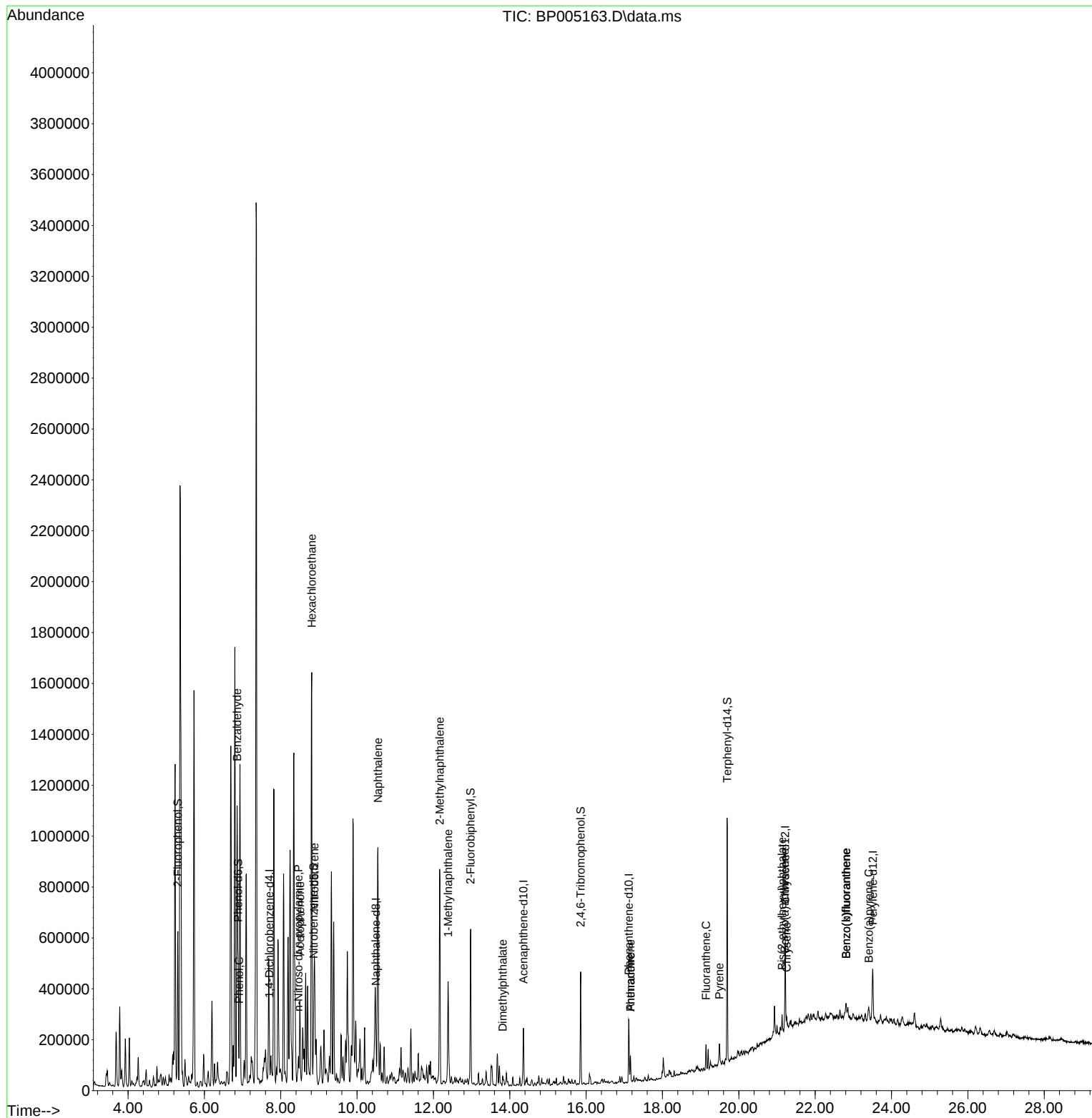
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	30050	20.00	ng	# 0.00
21) Naphthalene-d8	10.493	136	117939	20.00	ng	# 0.00
39) Acenaphthene-d10	14.357	164	72695	20.00	ng	0.00
64) Phenanthrene-d10	17.116	188	144799	20.00	ng	#-0.01
76) Chrysene-d12	21.216	240	139891	20.00	ng	-0.01
86) Perylene-d12	23.510	264	143473	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.305	112	182107	93.26	ng	0.00
7) Phenol-d6	6.887	99	248990	89.02	ng	0.00
23) Nitrobenzene-d5	8.863	82	161536	58.77	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	73716	77.83	ng	0.00
45) 2-Fluorobiphenyl	12.975	172	303192	56.42	ng	0.00
79) Terphenyl-d14	19.698	244	418184	54.42	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.858	77	69119	48.52	ng	# 1
10) Phenol	6.911	94	6214	2.17	ng	# 49
18) Hexachloroethane	8.811	117	130004	146.85	ng	# 1
19) n-Nitroso-di-n-propyla...	8.464	70	5608	3.09	ng	# 48
22) Acetophenone	8.505	105	215822	63.65	ng	# 61
24) Nitrobenzene	8.881	77	17295	5.97	ng	# 10
31) Naphthalene	10.546	128	553915	83.14	ng	98
37) 2-Methylnaphthalene	12.163	142	381841	79.37	ng	96
38) 1-Methylnaphthalene	12.387	142	178464	39.58	ng	99
50) Dimethylphthalate	13.816	163	18395	3.29	ng	98
71) Phenanthrene	17.163	178	58863	7.01	ng	97
72) Anthracene	17.163	178	58863	7.18	ng	98
75) Fluoranthene	19.139	202	49289	4.99	ng	95
78) Pyrene	19.492	202	50247	5.23	ng	97
81) Benzo(a)anthracene	21.204	228	21437	2.26	ng	# 94
83) Chrysene	21.251	228	23997	2.57	ng	# 92
84) Bis(2-ethylhexyl)phtha...	21.133	149	19063	3.65	ng	95
88) Benzo(b)fluoranthene	22.810	252	32370	3.18	ng	# 69
89) Benzo(k)fluoranthene	22.810	252	32370	3.32	ng	# 69
90) Benzo(a)pyrene	23.404	252	23339	2.55	ng	# 79

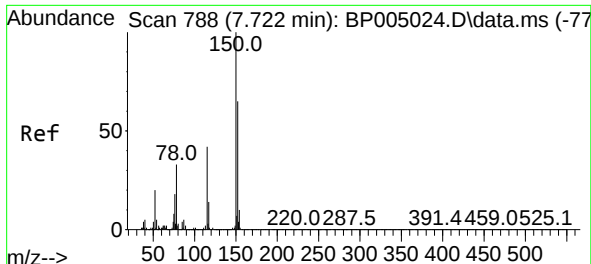
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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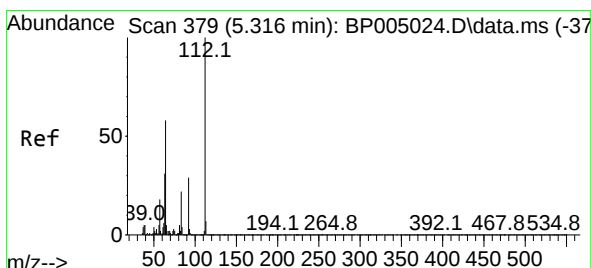
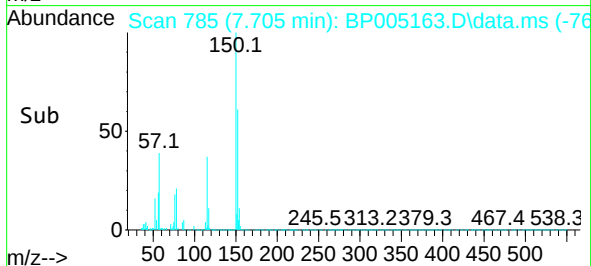
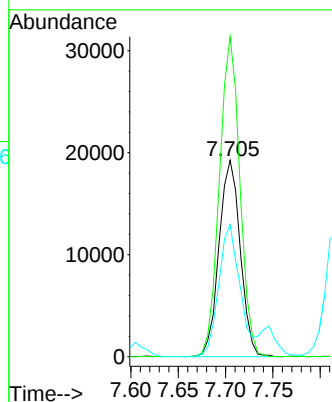
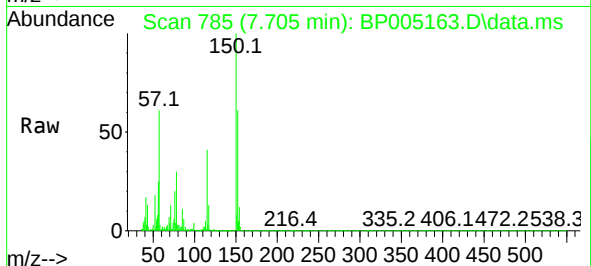




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.705 min Scan# 785
Delta R.T. -0.000 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

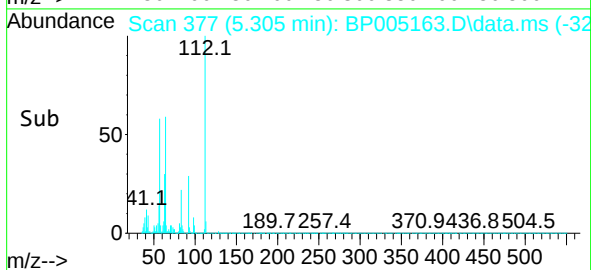
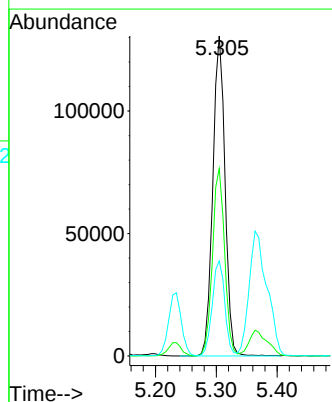
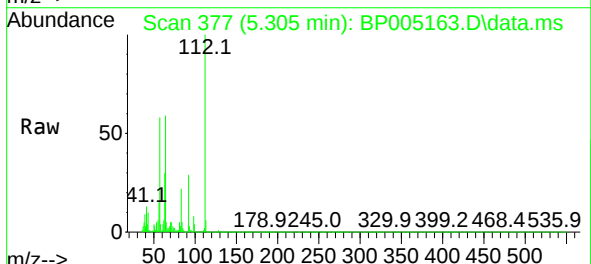
Instrument :
BNA_P
ClientSampled :
B5-19-21

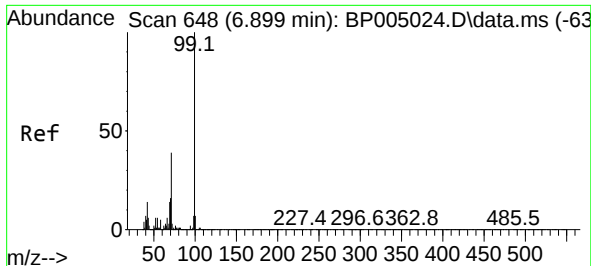
Tgt Ion:152 Resp: 30050
Ion Ratio Lower Upper
152 100
150 163.0 123.8 185.6
115 67.3 43.8 65.6#



#5
2-Fluorophenol
Concen: 93.26 ng
RT: 5.305 min Scan# 377
Delta R.T. 0.000 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

Tgt Ion:112 Resp: 182107
Ion Ratio Lower Upper
112 100
64 58.6 32.8 49.2#
63 29.7 17.0 25.4#

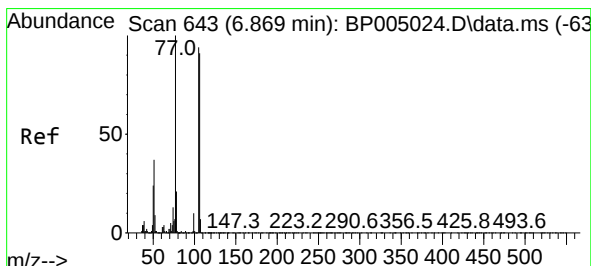
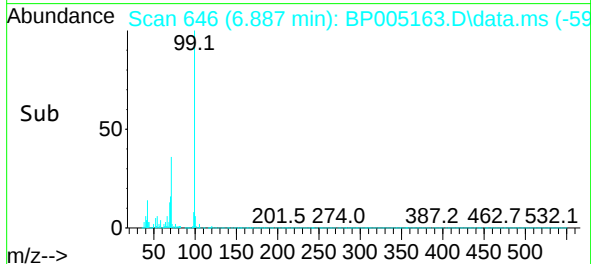
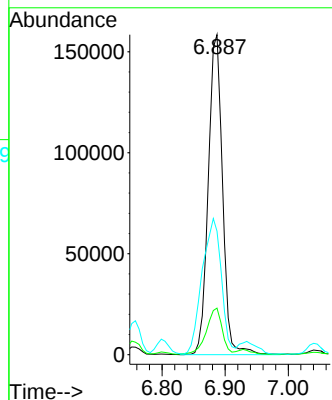
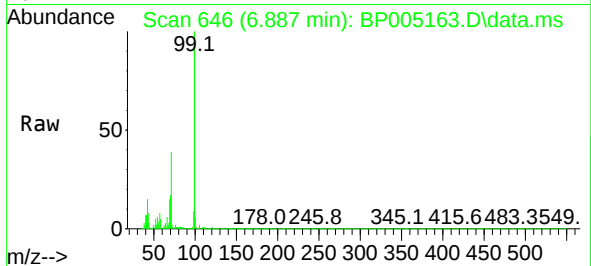




#7
Phenol-d6
Concen: 89.02 ng
RT: 6.887 min Scan# 646
Delta R.T. 0.000 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

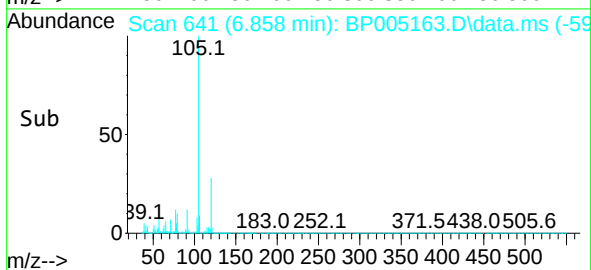
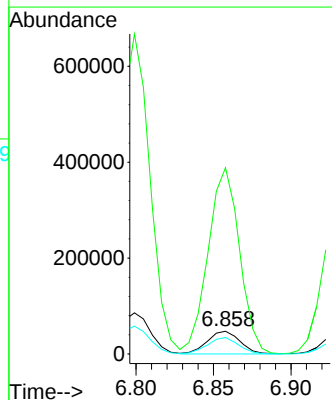
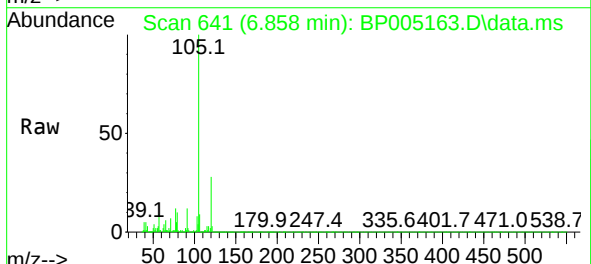
Instrument :
BNA_P
ClientSampleId :
B5-19-21

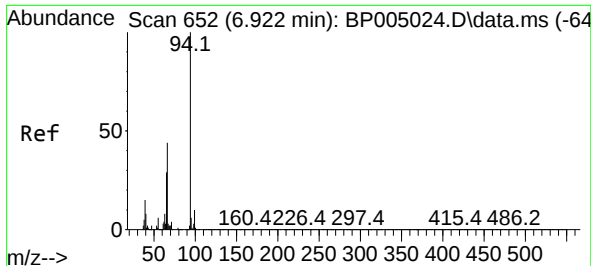
Tgt Ion: 99 Resp: 248990
Ion Ratio Lower Upper
99 100
42 14.6 8.6 13.0#
71 38.6 23.4 35.2#



#9
Benzaldehyde
Concen: 48.52 ng
RT: 6.858 min Scan# 641
Delta R.T. 0.000 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

Tgt Ion: 77 Resp: 69119
Ion Ratio Lower Upper
77 100
105 817.1 97.1 137.1#
106 72.3 93.7 133.7#

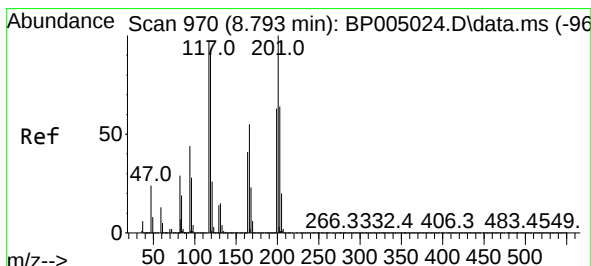
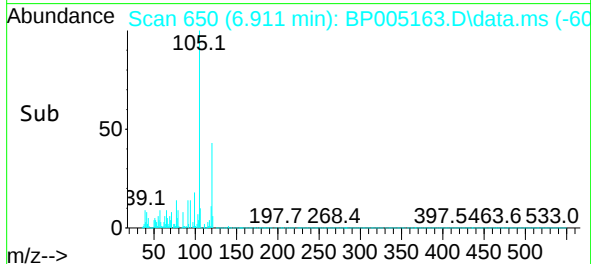
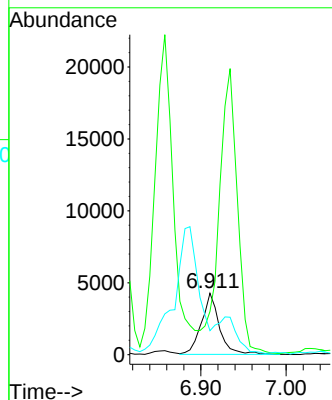
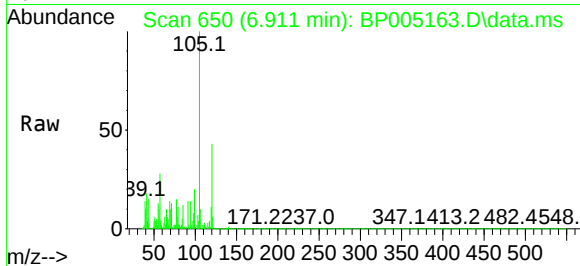




#10
Phenol
Concen: 2.17 ng
RT: 6.911 min Scan# 650
Delta R.T. -0.006 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

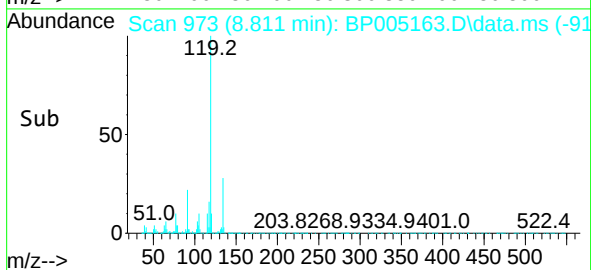
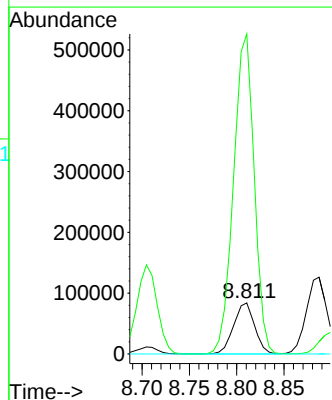
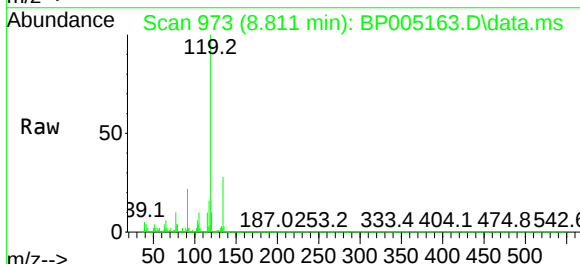
Instrument :
BNA_P
ClientSampleId :
B5-19-21

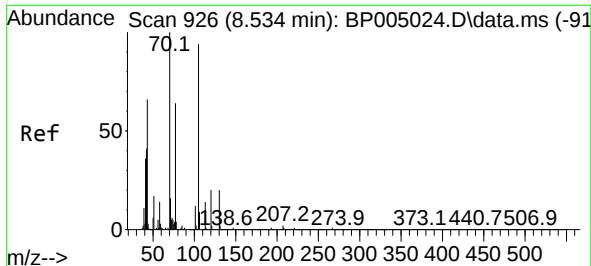
Tgt Ion: 94 Resp: 6214
Ion Ratio Lower Upper
94 100
65 70.5 2.3 42.3#
66 39.0 10.9 50.9



#18
Hexachloroethane
Concen: 146.85 ng
RT: 8.811 min Scan# 973
Delta R.T. 0.035 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

Tgt Ion: 117 Resp: 130004
Ion Ratio Lower Upper
117 100
119 627.1 78.8 118.2#
201 0.0 92.3 138.5#

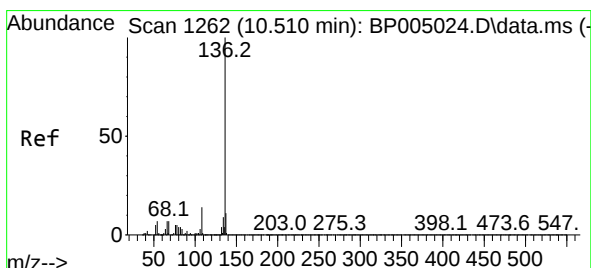
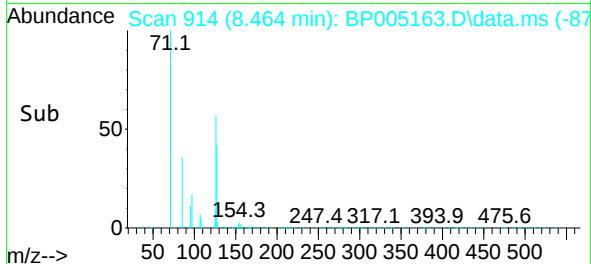
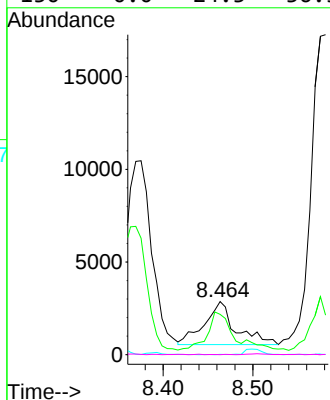
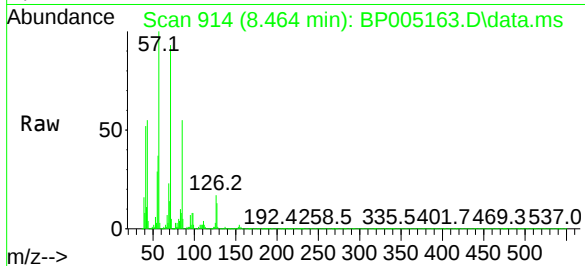




#19
n-Nitroso-di-n-propylamine
Concen: 3.09 ng
RT: 8.464 min Scan# 914
Delta R.T. -0.059 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

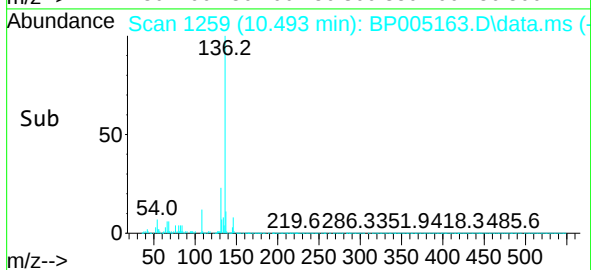
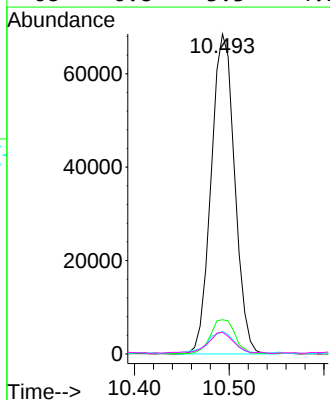
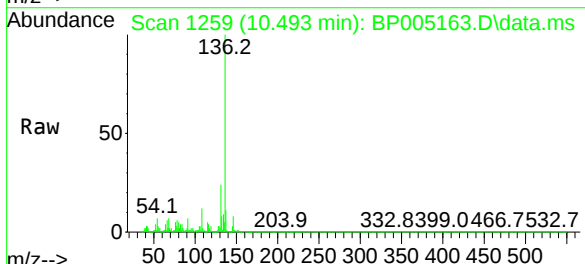
Instrument :
BNA_P
ClientSampleId :
B5-19-21

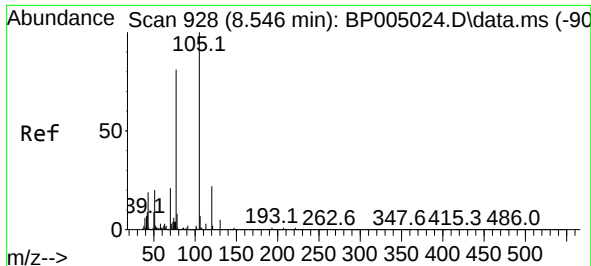
Tgt Ion: 70	Resp: 5608
Ion Ratio	Lower Upper
70 100	
42 75.9	32.8 49.2#
101 0.5	9.6 14.4#
130 0.0	24.3 36.5#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.493 min Scan# 1259
Delta R.T. -0.006 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

Tgt Ion: 136	Resp: 117939
Ion Ratio	Lower Upper
136 100	
137 10.7	8.6 13.0
54 7.0	3.6 5.4#
68 6.8	3.3 4.9#

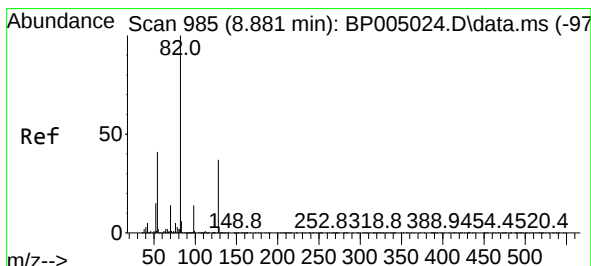
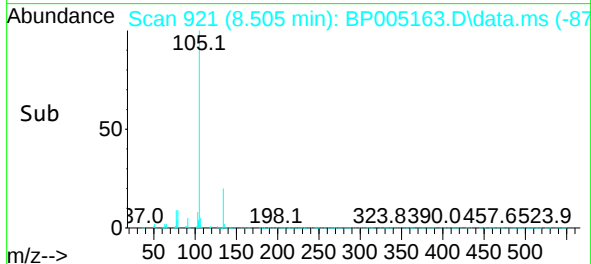
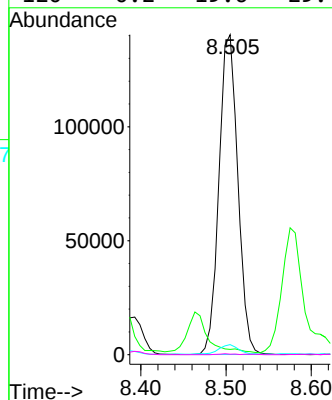
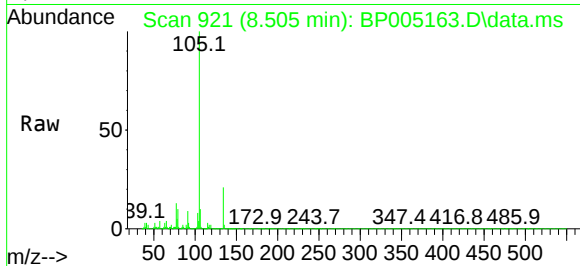




#22
Acetophenone
Concen: 63.65 ng
RT: 8.505 min Scan# 921
Delta R.T. -0.029 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

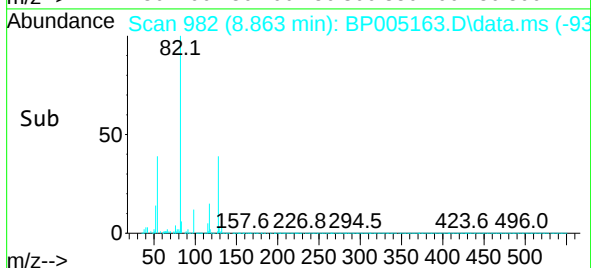
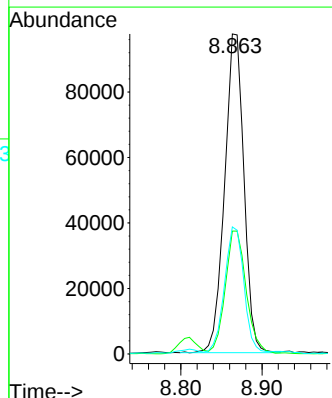
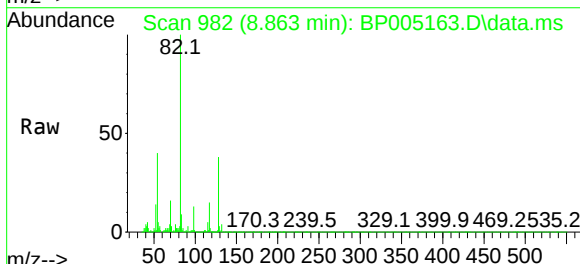
Instrument :
BNA_P
ClientSampleId :
B5-19-21

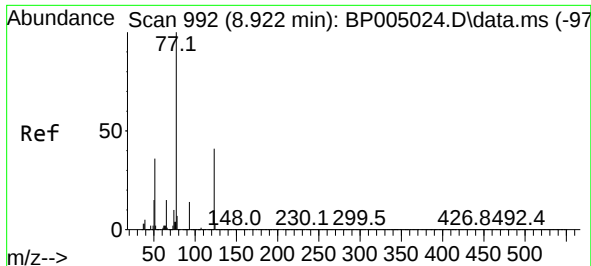
Tgt Ion:105 Resp: 215822
Ion Ratio Lower Upper
105 100
71 1.7 2.6 3.8#
51 3.2 13.5 20.3#
120 0.2 19.6 29.4#



#23
Nitrobenzene-d5
Concen: 58.77 ng
RT: 8.863 min Scan# 982
Delta R.T. -0.006 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

Tgt Ion: 82 Resp: 161536
Ion Ratio Lower Upper
82 100
128 38.4 45.6 68.4#
54 39.7 30.1 45.1

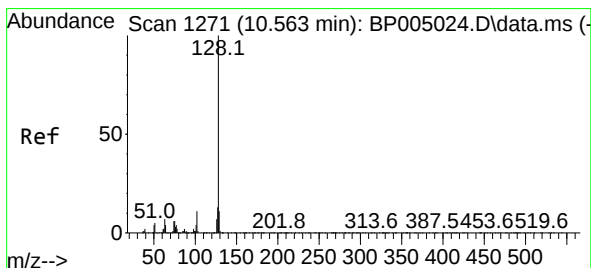
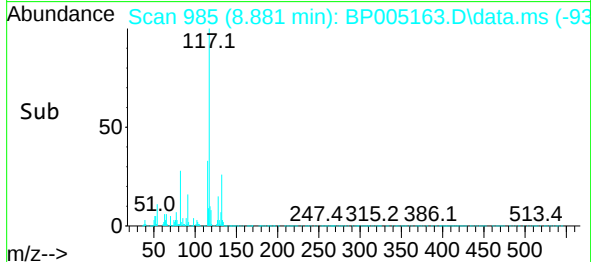
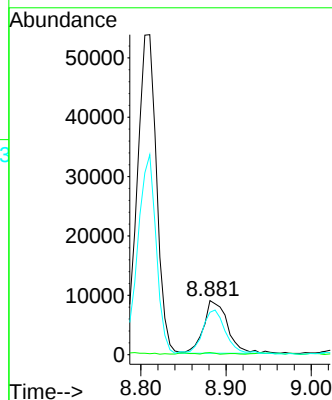
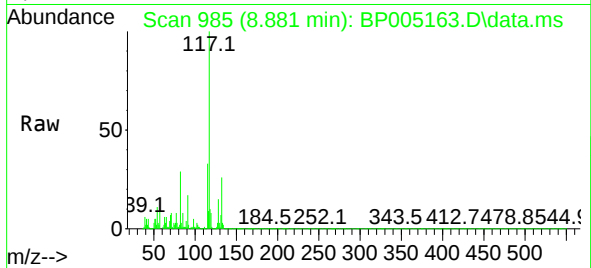




#24
Nitrobenzene
Concen: 5.97 ng
RT: 8.881 min Scan# 985
Delta R.T. -0.029 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

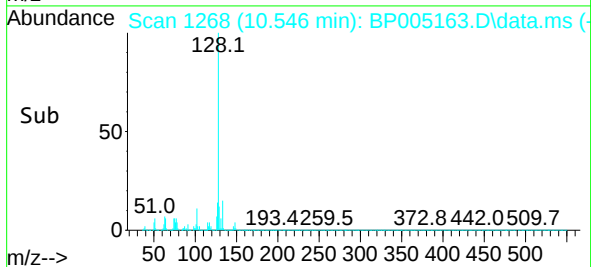
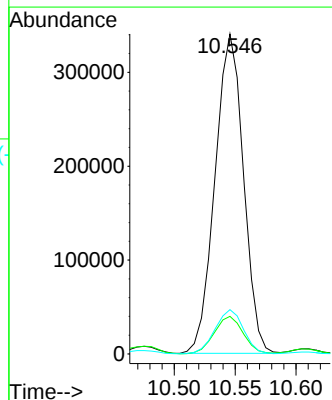
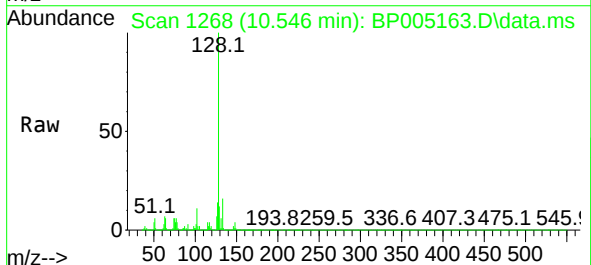
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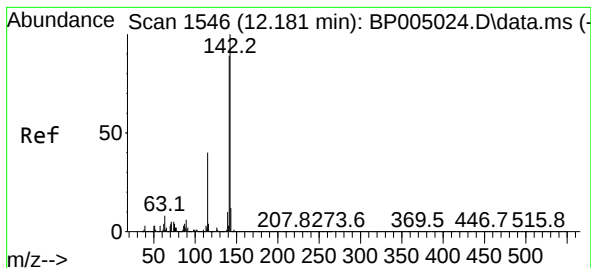
Tgt Ion: 77 Resp: 17295
Ion Ratio Lower Upper
77 100
123 4.0 48.6 72.8#
65 78.3 10.0 15.0#



#31
Naphthalene
Concen: 83.14 ng
RT: 10.546 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

Tgt Ion: 128 Resp: 553915
Ion Ratio Lower Upper
128 100
129 11.8 8.8 13.2
127 13.9 10.6 15.8

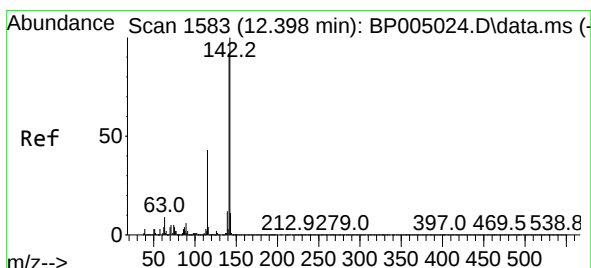
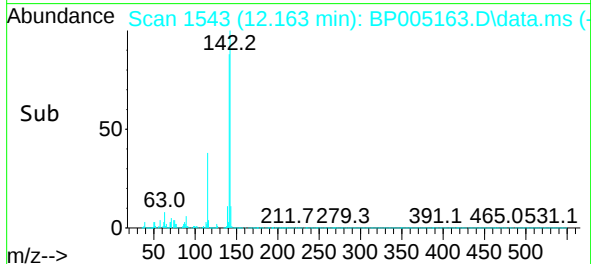
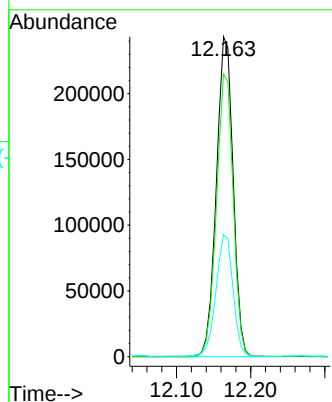
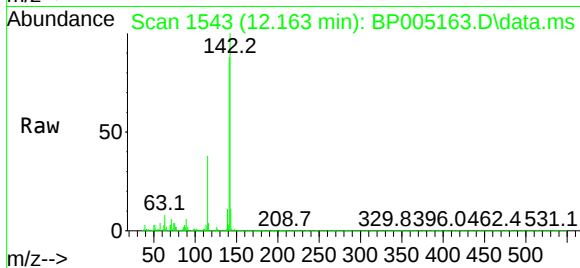




#37
2-Methylnaphthalene
Concen: 79.37 ng
RT: 12.163 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

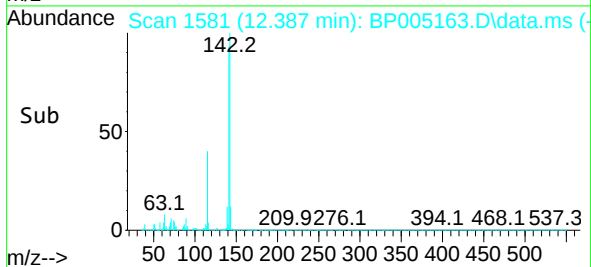
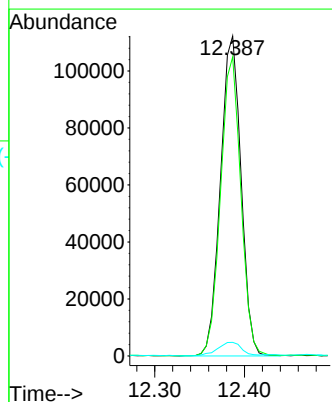
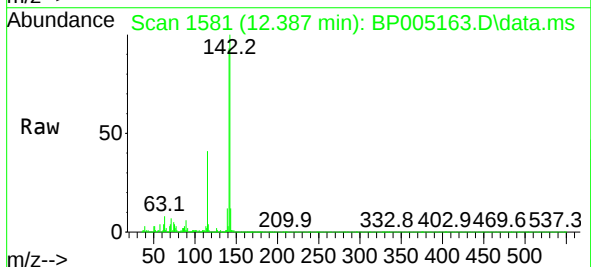
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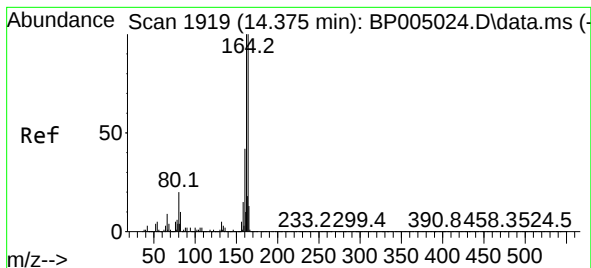
Tgt Ion:142 Resp: 381841
Ion Ratio Lower Upper
142 100
141 88.4 71.4 107.2
115 38.2 25.8 38.6



#38
1-Methylnaphthalene
Concen: 39.58 ng
RT: 12.387 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

Tgt Ion:142 Resp: 178464
Ion Ratio Lower Upper
142 100
141 93.4 74.4 111.6
116 4.3 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.357 min Scan# 1916

Delta R.T. -0.006 min

Lab File: BP005163.D

Acq: 02 Apr 2021 17:19

Instrument :

BNA_P

ClientSampleId :

B5-19-21

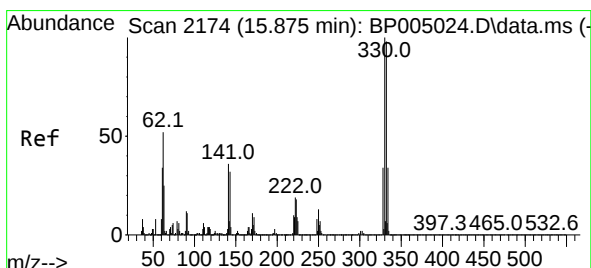
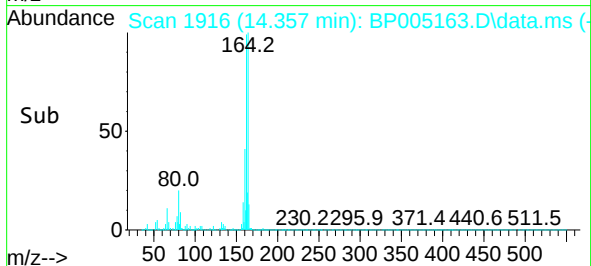
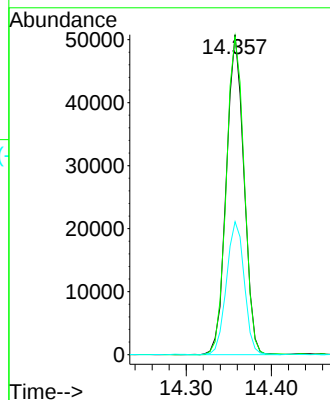
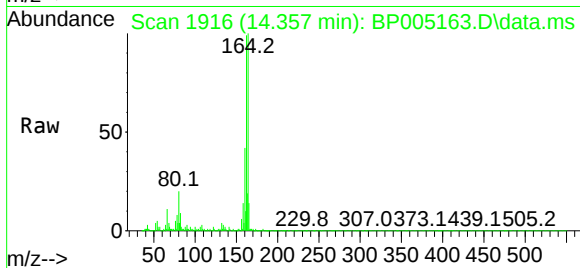
Tgt Ion:164 Resp: 72695

Ion Ratio Lower Upper

164 100

162 99.4 79.4 119.2

160 41.5 36.1 54.1



#42

2,4,6-Tribromophenol

Concen: 77.83 ng

RT: 15.857 min Scan# 2171

Delta R.T. -0.006 min

Lab File: BP005163.D

Acq: 02 Apr 2021 17:19

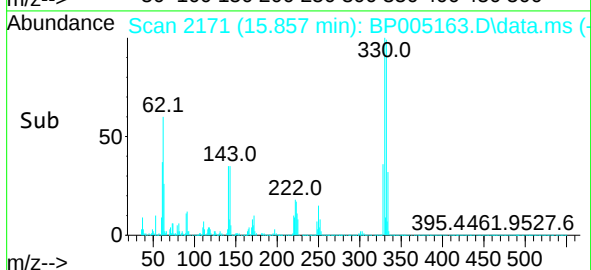
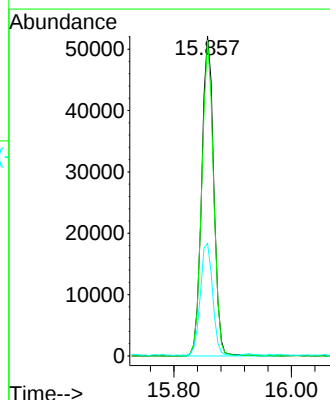
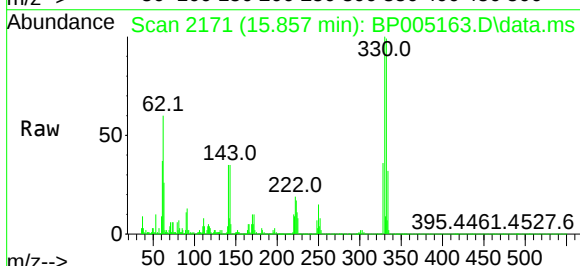
Tgt Ion:330 Resp: 73716

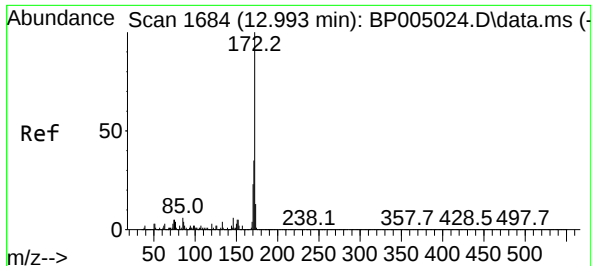
Ion Ratio Lower Upper

330 100

332 96.2 77.1 115.7

141 36.2 23.4 35.2#

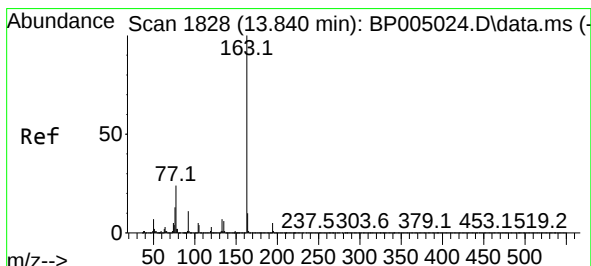
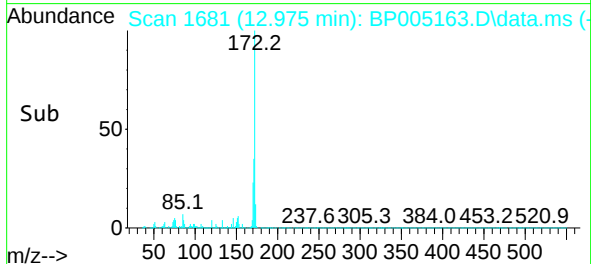
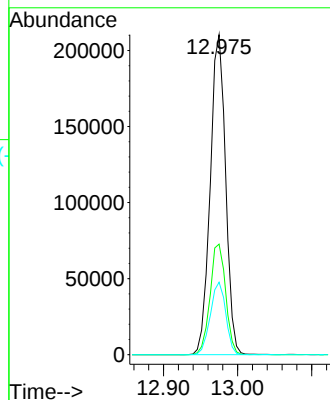
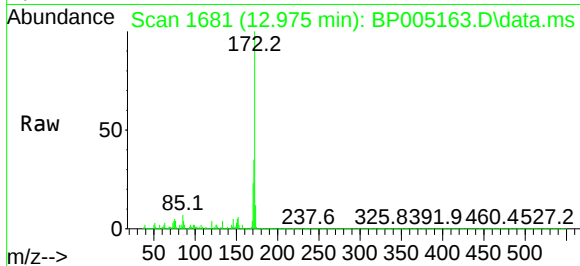




#45
2-Fluorobiphenyl
Concen: 56.42 ng
RT: 12.975 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

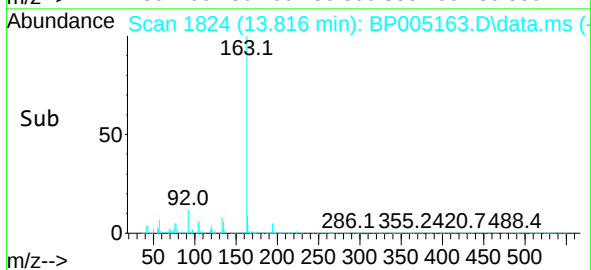
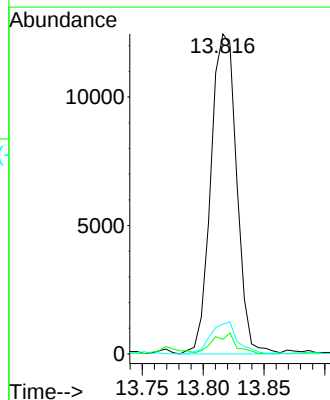
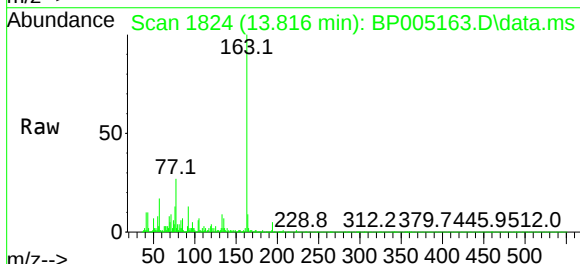
Instrument :
BNA_P
ClientSampleId :
B5-19-21

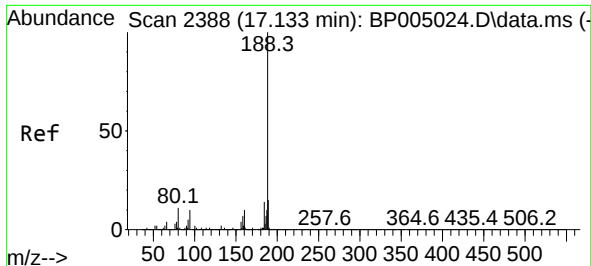
Tgt Ion:172 Resp: 303192
Ion Ratio Lower Upper
172 100
171 34.5 28.5 42.7
170 22.6 19.2 28.8



#50
Dimethylphthalate
Concen: 3.29 ng
RT: 13.816 min Scan# 1824
Delta R.T. -0.012 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

Tgt Ion:163 Resp: 18395
Ion Ratio Lower Upper
163 100
194 4.6 3.3 4.9
164 9.3 8.2 12.2

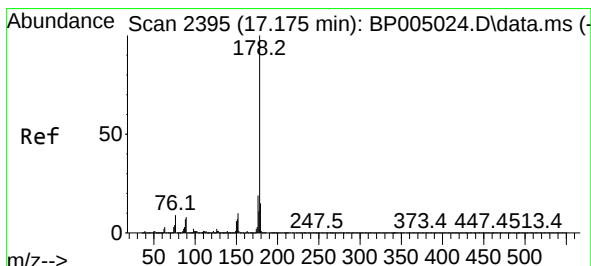
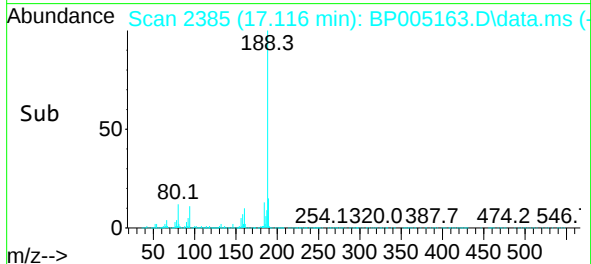
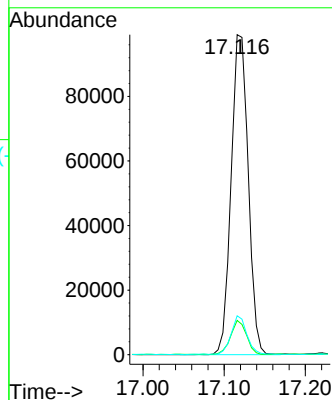
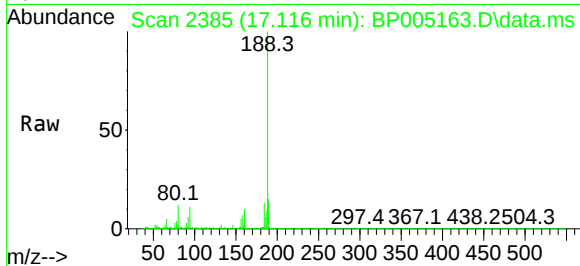




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.116 min Scan# 2385
Delta R.T. -0.012 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

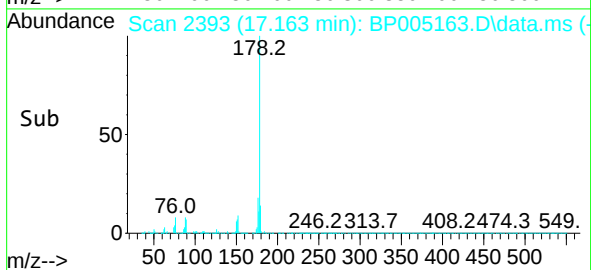
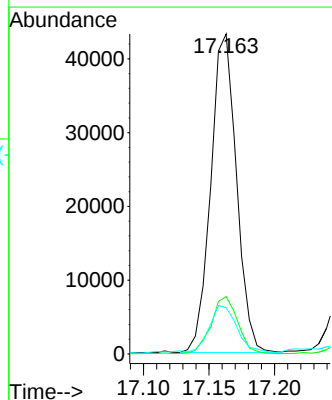
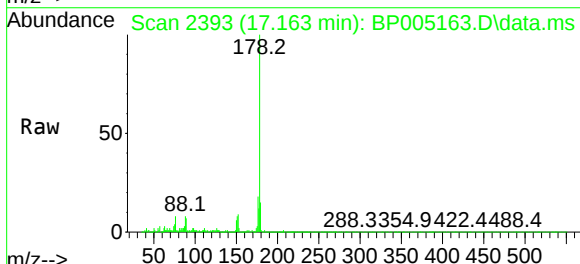
Instrument :
BNA_P
ClientSampled :
B5-19-21

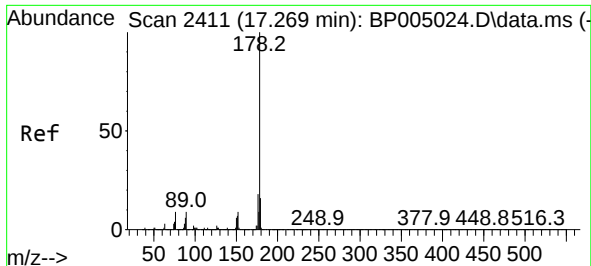
Tgt Ion:188 Resp: 144799
Ion Ratio Lower Upper
188 100
94 10.7 6.2 9.2#
80 12.1 6.2 9.2#



#71
Phenanthrene
Concen: 7.01 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.006 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

Tgt Ion:178 Resp: 58863
Ion Ratio Lower Upper
178 100
176 18.0 15.3 22.9
179 14.5 12.5 18.7

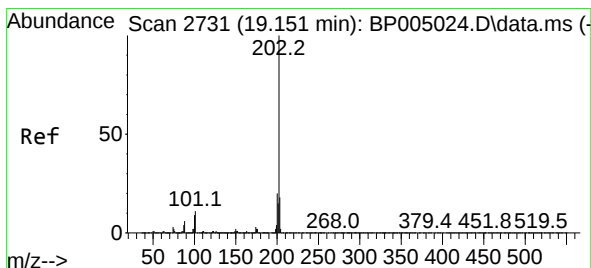
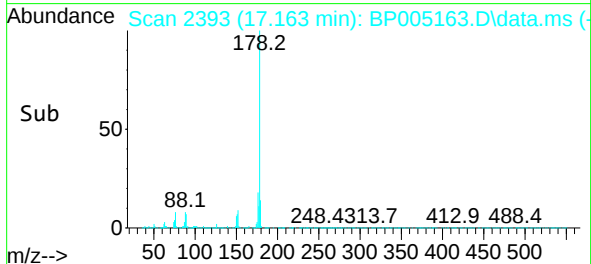
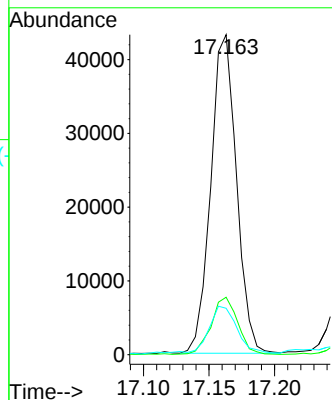
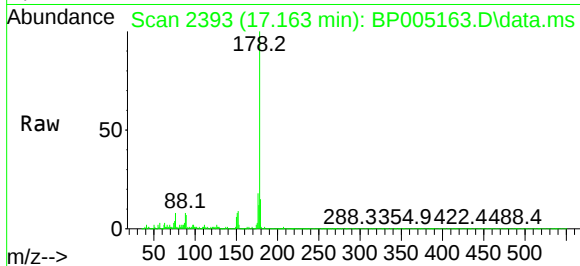




#72
 Anthracene
 Concen: 7.18 ng
 RT: 17.163 min Scan# 2393
 Delta R.T. -0.094 min
 Lab File: BP005163.D
 Acq: 02 Apr 2021 17:19

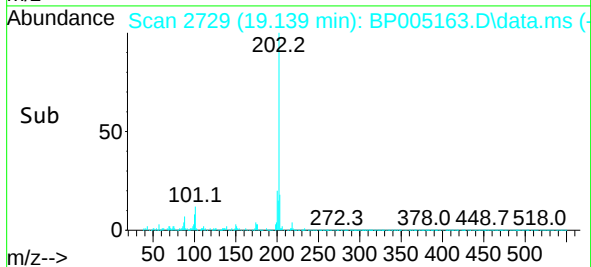
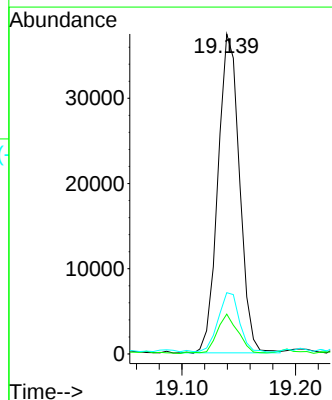
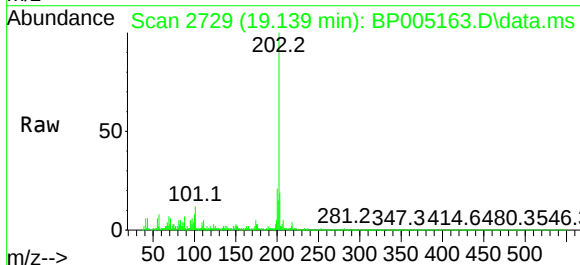
Instrument :
 BNA_P
 ClientSampleId :
 B5-19-21

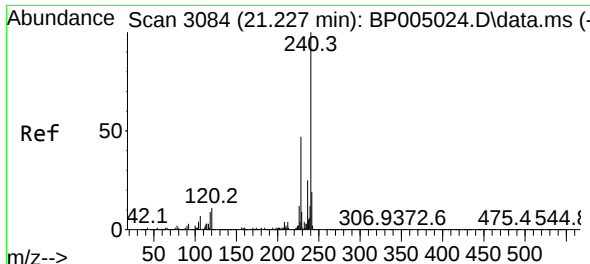
Tgt Ion:178 Resp: 58863
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.0 22.4
 179 14.5 12.5 18.7



#75
 Fluoranthene
 Concen: 4.99 ng
 RT: 19.139 min Scan# 2729
 Delta R.T. -0.006 min
 Lab File: BP005163.D
 Acq: 02 Apr 2021 17:19

Tgt Ion:202 Resp: 49289
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 29.4
 203 19.2 0.0 37.8

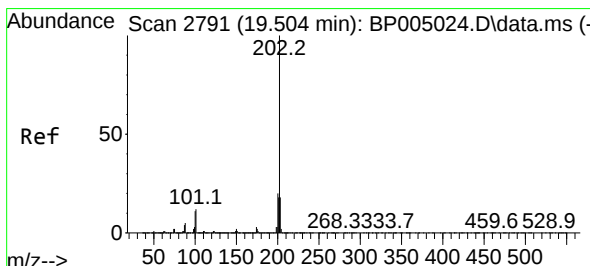
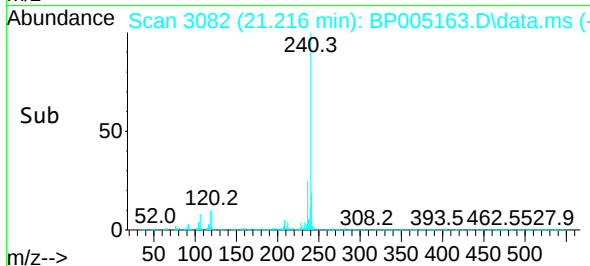
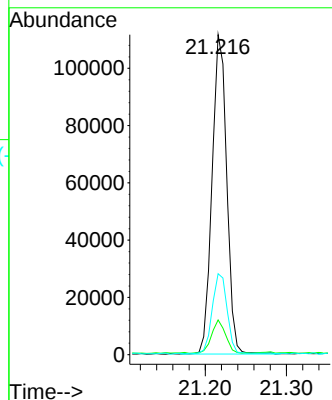
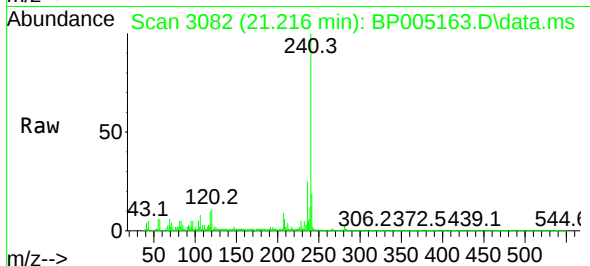




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.216 min Scan# 3082
Delta R.T. -0.012 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

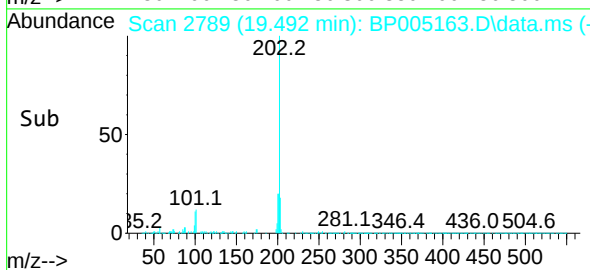
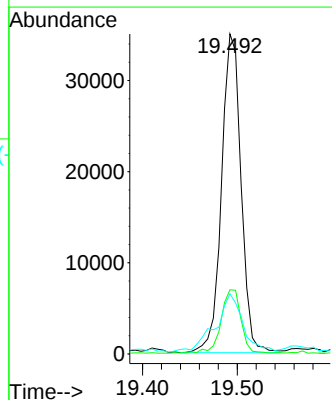
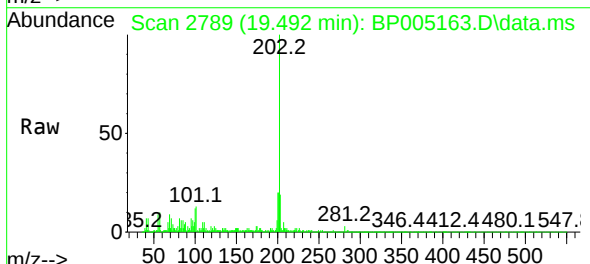
Instrument :
BNA_P
ClientSampleId :
B5-19-21

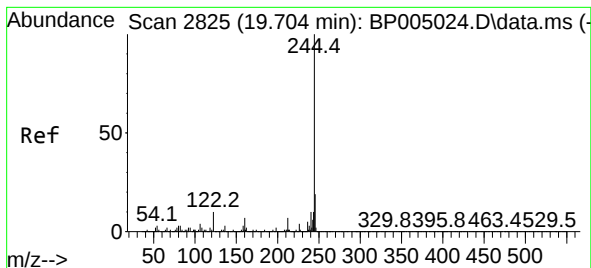
Tgt Ion:240 Resp: 139891
Ion Ratio Lower Upper
240 100
120 10.9 7.8 11.6
236 25.3 20.8 31.2



#78
Pyrene
Concen: 5.23 ng
RT: 19.492 min Scan# 2789
Delta R.T. -0.006 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

Tgt Ion:202 Resp: 50247
Ion Ratio Lower Upper
202 100
200 20.0 17.1 25.7
203 18.8 14.2 21.2





#79

Terphenyl-d14

Concen: 54.42 ng

RT: 19.698 min Scan# 2824

Delta R.T. 0.000 min

Lab File: BP005163.D

Acq: 02 Apr 2021 17:19

Instrument :

BNA_P

ClientSampleId :

B5-19-21

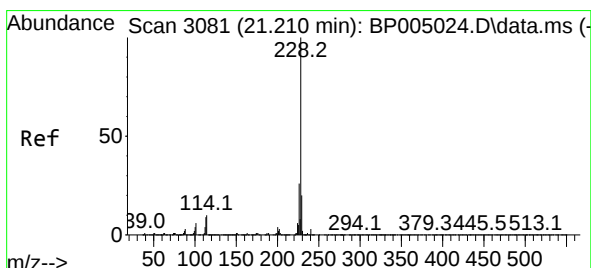
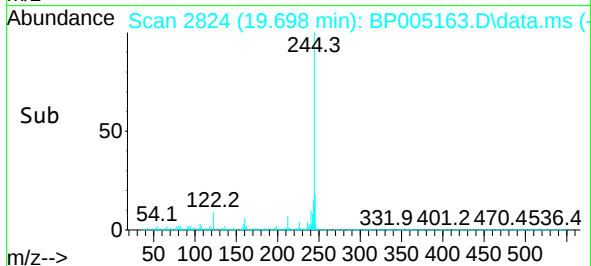
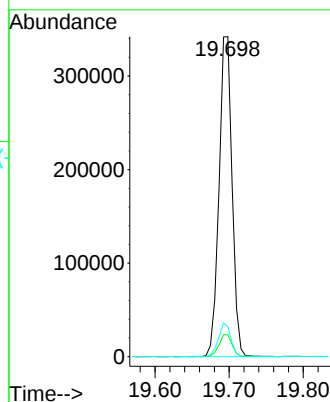
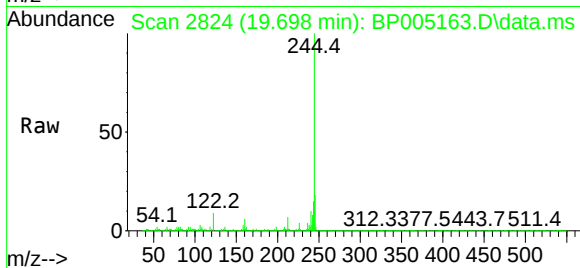
Tgt Ion:244 Resp: 418184

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

122 9.4 7.8 11.8



#81

Benzo(a)anthracene

Concen: 2.26 ng

RT: 21.204 min Scan# 3080

Delta R.T. -0.006 min

Lab File: BP005163.D

Acq: 02 Apr 2021 17:19

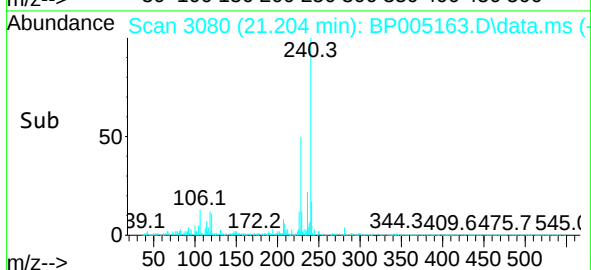
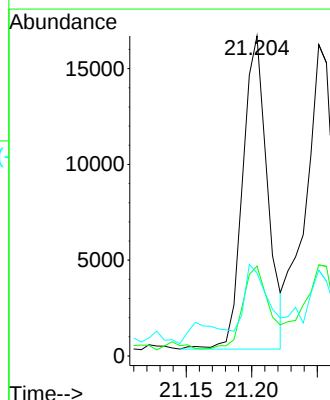
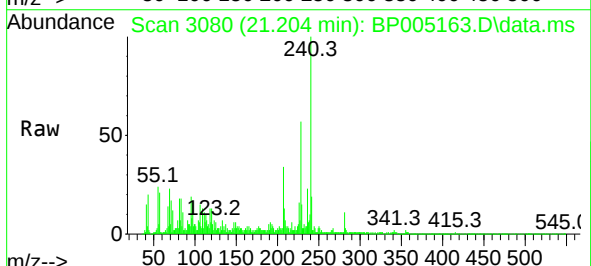
Tgt Ion:228 Resp: 21437

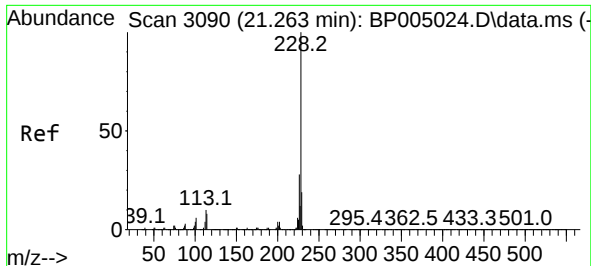
Ion Ratio Lower Upper

228 100

226 28.1 22.1 33.1

229 25.9 15.9 23.9#

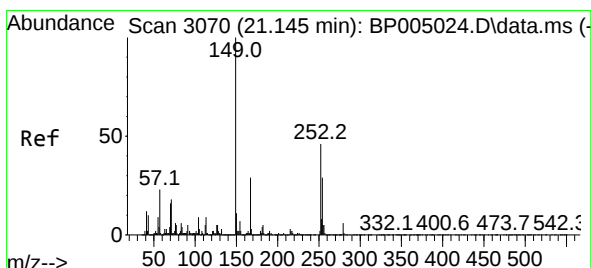
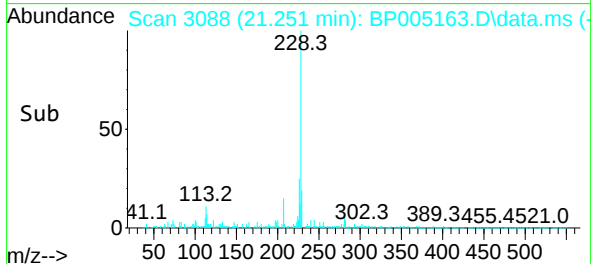
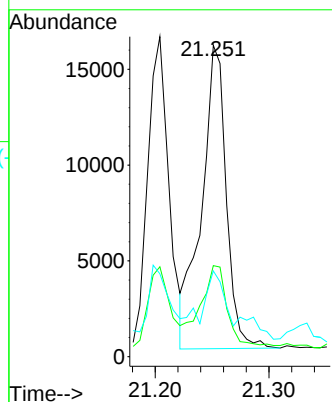
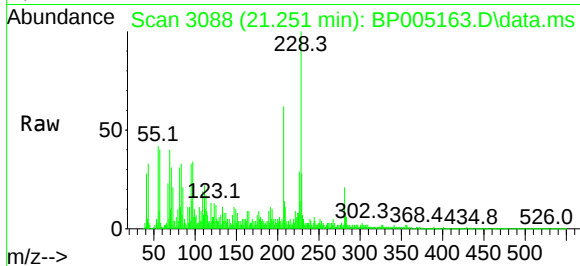




#83
Chrysene
Concen: 2.57 ng
RT: 21.251 min Scan# 3088
Delta R.T. -0.012 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

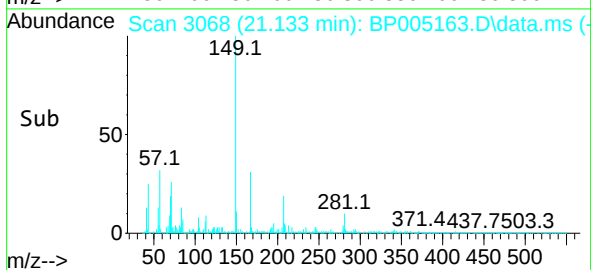
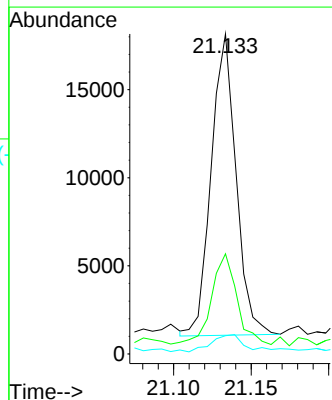
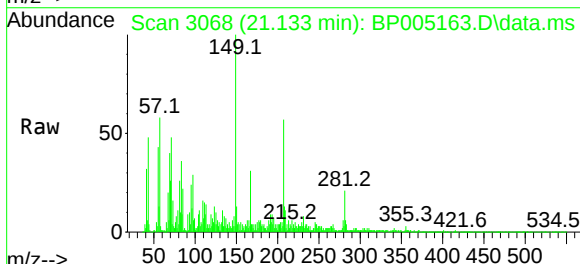
Instrument :
BNA_P
ClientSampleId :
B5-19-21

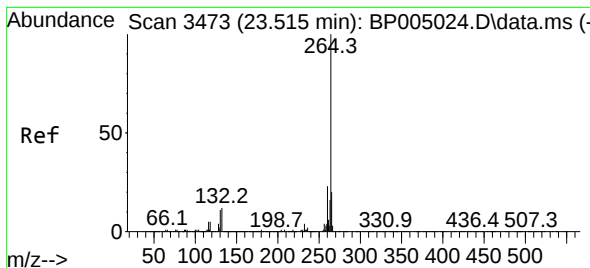
Tgt Ion:	228	Resp:	23997
Ion Ratio	Lower	Upper	
228	100		
226	29.3	24.4	36.6
229	27.6	15.8	23.6#



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.65 ng
RT: 21.133 min Scan# 3068
Delta R.T. -0.006 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

Tgt Ion:	149	Resp:	19063
Ion Ratio	Lower	Upper	
149	100		
167	31.3	22.6	34.0
279	5.7	4.2	6.2

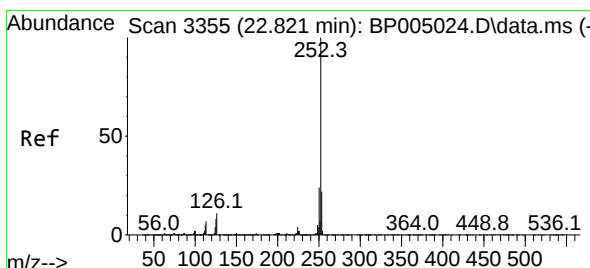
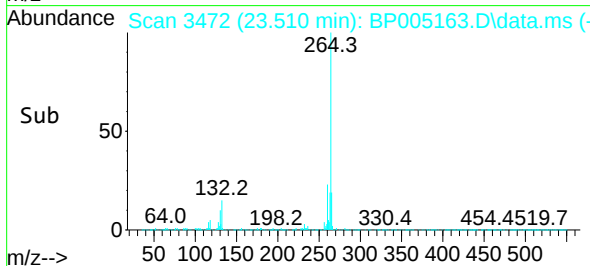
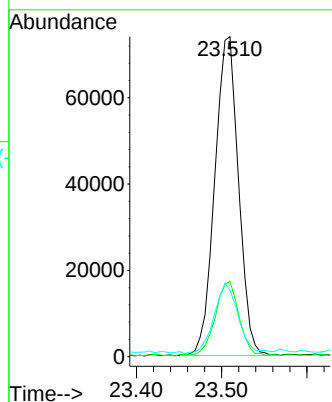
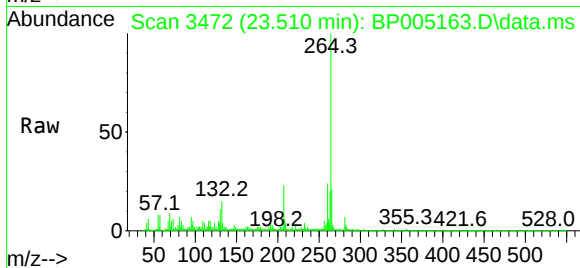




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.510 min Scan# 3472
 Delta R.T. 0.000 min
 Lab File: BP005163.D
 Acq: 02 Apr 2021 17:19

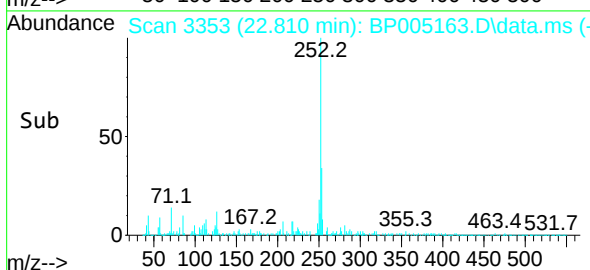
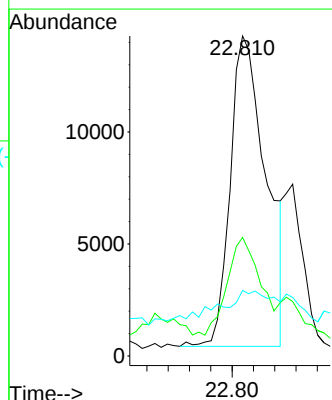
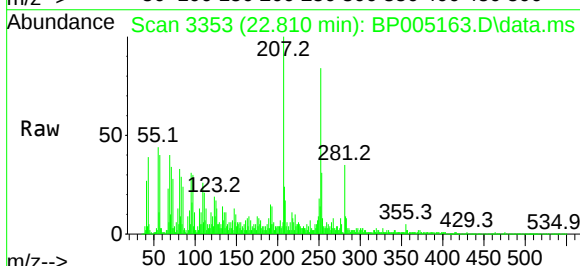
Instrument :
 BNA_P
 ClientSampleId :
 B5-19-21

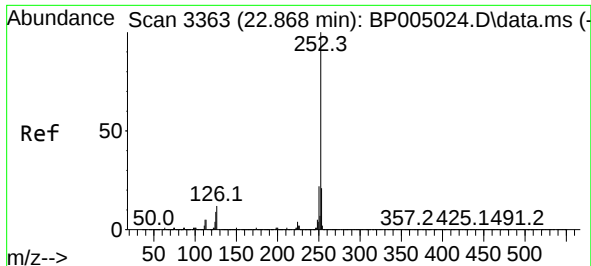
Tgt Ion:264 Resp: 143473
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.8 28.2
 265 20.7 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 3.18 ng
 RT: 22.810 min Scan# 3353
 Delta R.T. -0.006 min
 Lab File: BP005163.D
 Acq: 02 Apr 2021 17:19

Tgt Ion:252 Resp: 32370
 Ion Ratio Lower Upper
 252 100
 253 37.0 17.6 26.4#
 125 20.5 7.3 10.9#

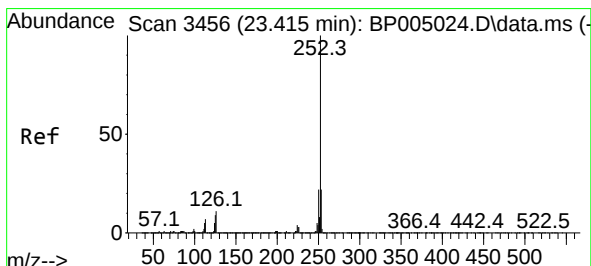
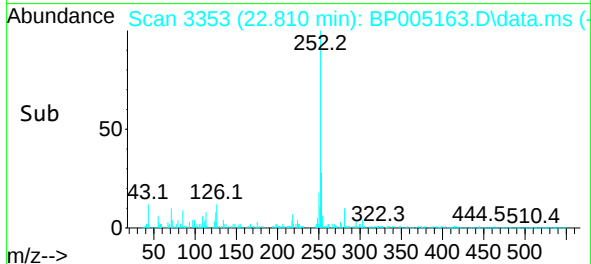
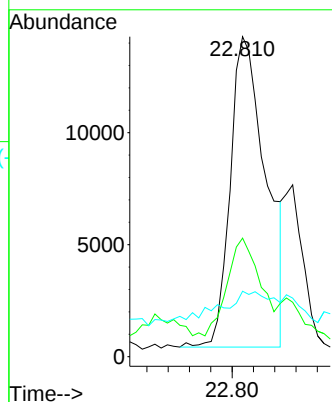
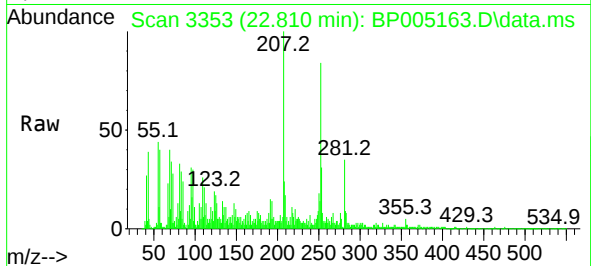




#89
Benzo(k)fluoranthene
Concen: 3.32 ng
RT: 22.810 min Scan# 3353
Delta R.T. -0.053 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

Instrument :
BNA_P
ClientSampleId :
B5-19-21

Tgt Ion:252 Resp: 32370
Ion Ratio Lower Upper
252 100
253 37.0 17.8 26.8#
125 20.5 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 2.55 ng
RT: 23.404 min Scan# 3454
Delta R.T. -0.006 min
Lab File: BP005163.D
Acq: 02 Apr 2021 17:19

Tgt Ion:252 Resp: 23339
Ion Ratio Lower Upper
252 100
253 28.5 17.4 26.0#
125 23.4 8.2 12.4#

