

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
 Data File : BP004491.D
 Acq On : 07 Jan 2021 21:27
 Operator : CG/JU
 Sample : M1023-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-04-010621

Quant Time: Jan 08 00:09:04 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 07 14:50:44 2021
 Response via : Initial Calibration

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

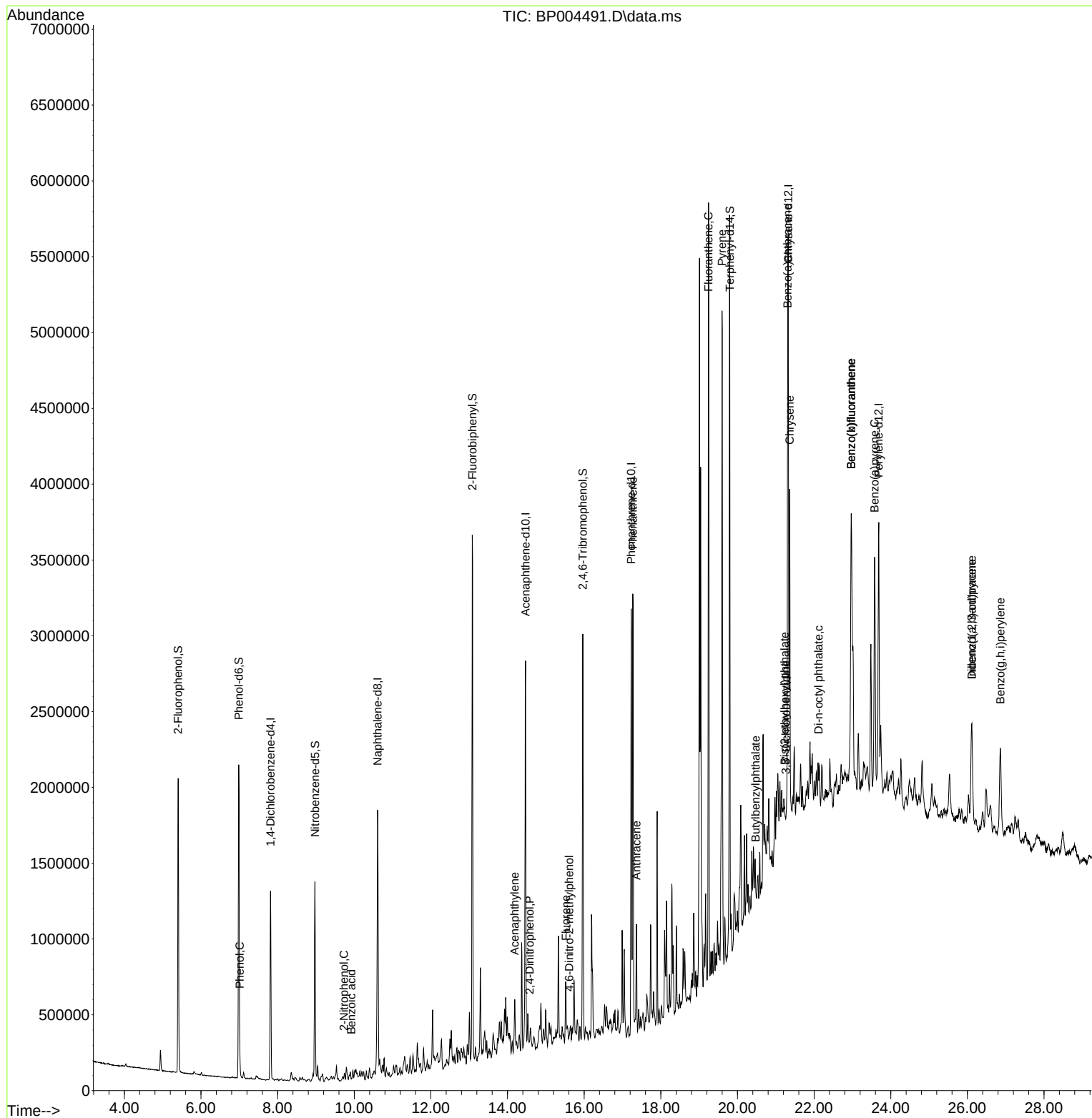
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.816	152	365494	20.00	ng	0.00
21) Naphthalene-d8	10.610	136	1475952	20.00	ng	# 0.00
39) Acenaphthene-d10	14.469	164	863361	20.00	ng	0.00
64) Phenanthrene-d10	17.228	188	1755458	20.00	ng	0.00
76) Chrysene-d12	21.328	240	1407868	20.00	ng	0.00
86) Perylene-d12	23.686	264	1419953	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.405	112	961093	43.09	ng	0.00
7) Phenol-d6	6.987	99	1323306	42.14	ng	0.00
23) Nitrobenzene-d5	8.975	82	817764	26.34	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	532541	46.23	ng	0.00
45) 2-Fluorobiphenyl	13.081	172	1923834	28.24	ng	0.00
79) Terphenyl-d14	19.798	244	2286393	31.13	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.011	94	69060	2.23	ng	85
26) 2-Nitrophenol	9.734	139	987	2.71	ng	# 1
32) Benzoic acid	9.922	122	340	7.28	ng	# 13
49) Acenaphthylene	14.187	152	243787	2.77	ng	98
54) 2,4-Dinitrophenol	14.581	184	153	5.30	ng	# 1
58) Fluorene	15.522	166	172983	2.53	ng	99
65) 4,6-Dinitro-2-methylph...	15.610	198	66	4.17	ng	# 1
71) Phenanthrene	17.269	178	1813693	17.18	ng	100
72) Anthracene	17.363	178	459253	4.61	ng	99
75) Fluoranthene	19.245	202	3021286	24.92	ng	99
78) Pyrene	19.598	202	2793808	29.12	ng	99
80) Butylbenzylphthalate	20.475	149	1257	3.59	ng	# 8
81) Benzo(a)anthracene	21.310	228	1330304	13.76	ng	97
82) 3,3'-Dichlorobenzidine	21.263	252	1503	3.17	ng	# 68
83) Chrysene	21.363	228	1251102	13.43	ng	97
84) Bis(2-ethylhexyl)phtha...	21.233	149	19031	3.73	ng	# 76
85) Di-n-octyl phthalate	22.116	149	1117	4.51	ng	# 44
87) Indeno(1,2,3-cd)pyrene	26.115	276	760551	7.01	ng	# 93
88) Benzo(b)fluoranthene	22.969	252	1593836	17.03	ng	96
89) Benzo(k)fluoranthene	22.969	252	1593836	17.16	ng	97
90) Benzo(a)pyrene	23.580	252	1146547	13.44	ng	97
91) Dibenzo(a,h)anthracene	26.115	278	187377	2.10	ng	# 83
92) Benzo(g,h,i)perylene	26.863	276	783069	8.99	ng	95

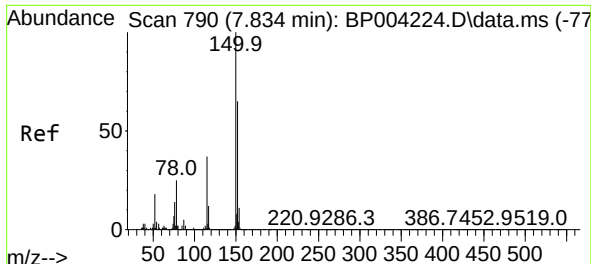
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 08 00:09:04 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 07 14:50:44 2021
Response via : Initial Calibration

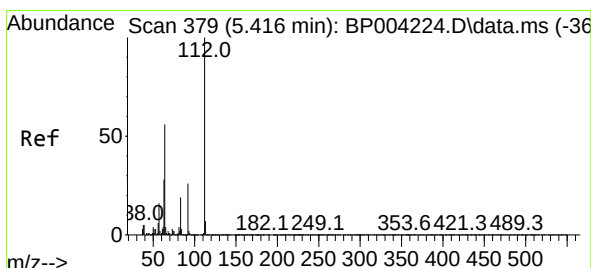
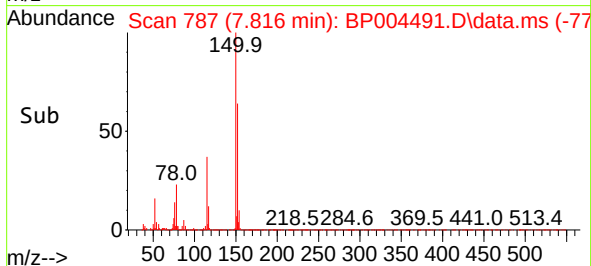
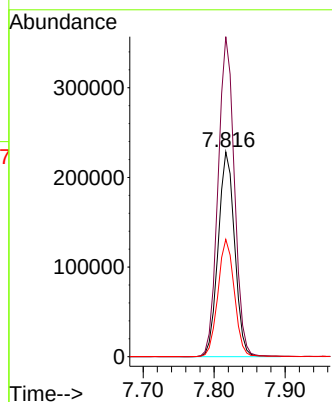
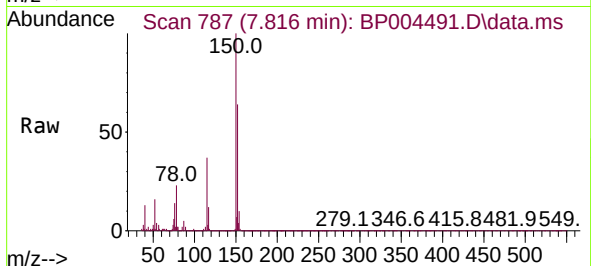




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.816 min Scan# 787
Delta R.T. 0.000 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

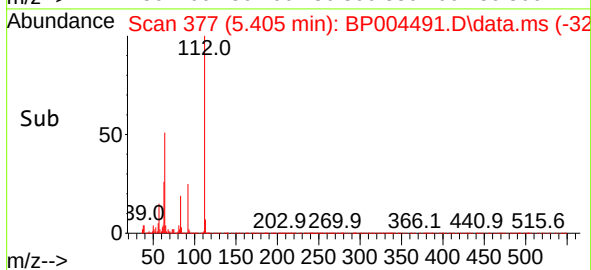
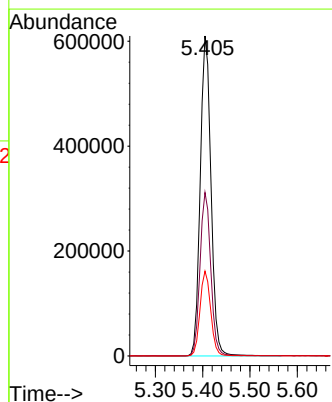
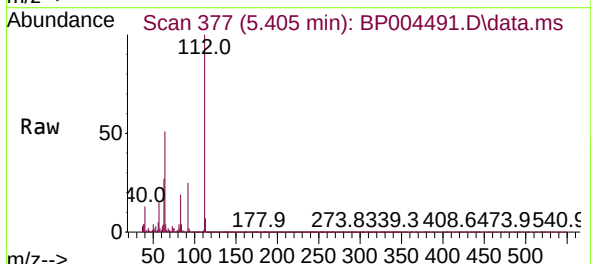
Instrument :
BNA_P
ClientSampleId :
SU-04-010621

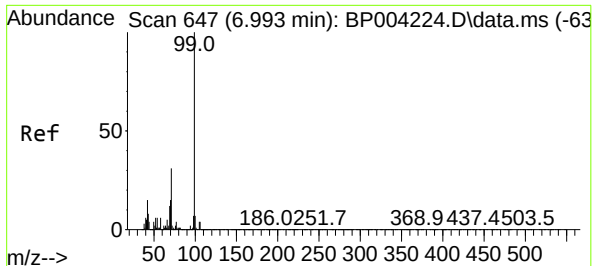
Tgt Ion:152 Resp: 365494
Ion Ratio Lower Upper
152 100
150 156.2 123.8 185.6
115 57.3 43.8 65.6



#5
2-Fluorophenol
Concen: 43.09 ng
RT: 5.405 min Scan# 377
Delta R.T. 0.006 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

Tgt Ion:112 Resp: 961093
Ion Ratio Lower Upper
112 100
64 51.1 32.8 49.2#
63 26.5 17.0 25.4#

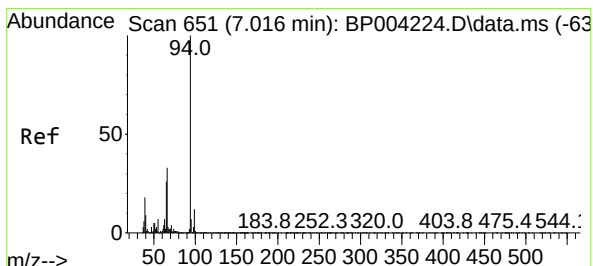
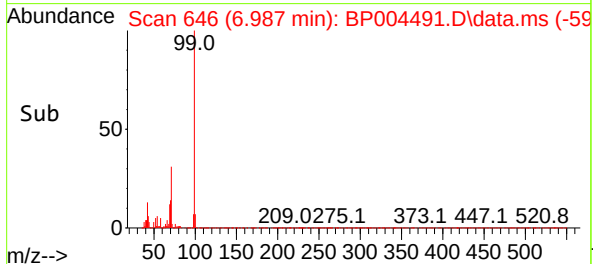
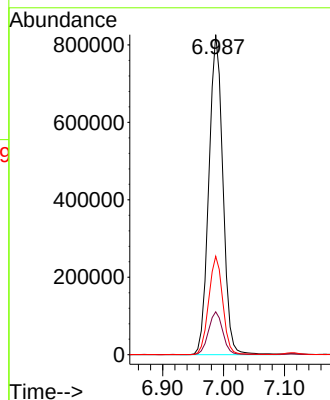
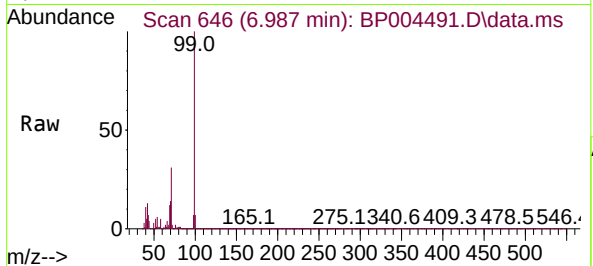




#7
Phenol-d6
Concen: 42.14 ng
RT: 6.987 min Scan# 646
Delta R.T. 0.000 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

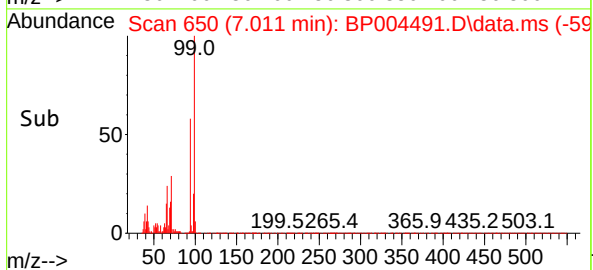
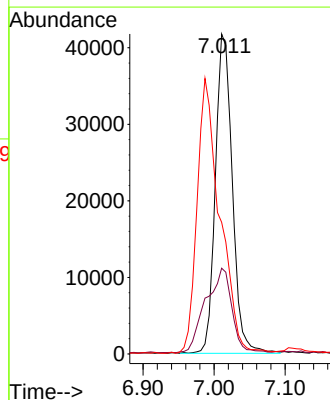
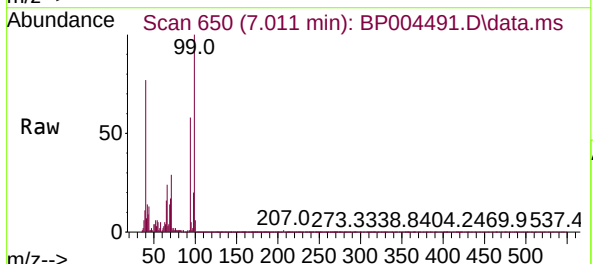
Instrument :
BNA_P
ClientSampleId :
SU-04-010621

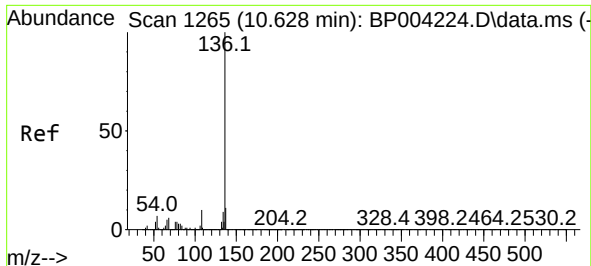
Tgt Ion: 99 Resp: 1323306
Ion Ratio Lower Upper
99 100
42 13.4 8.6 13.0#
71 30.7 23.4 35.2



#10
Phenol
Concen: 2.23 ng
RT: 7.011 min Scan# 650
Delta R.T. 0.000 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

Tgt Ion: 94 Resp: 69060
Ion Ratio Lower Upper
94 100
65 26.8 2.3 42.3
66 41.2 10.9 50.9

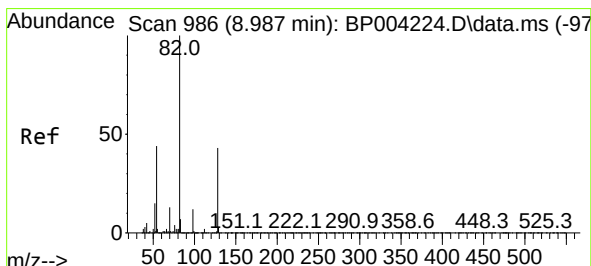
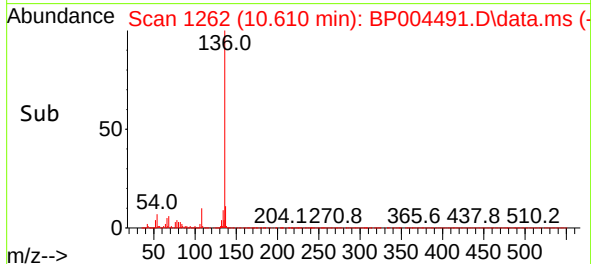
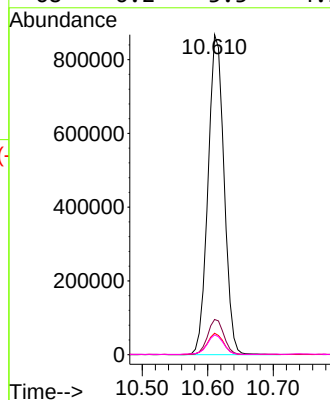
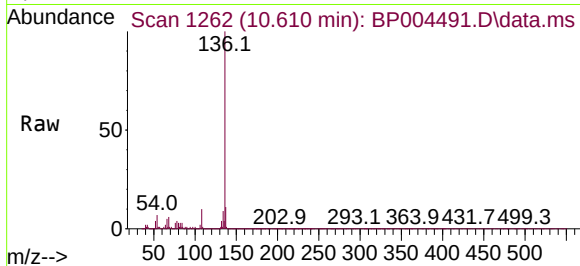




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.610 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

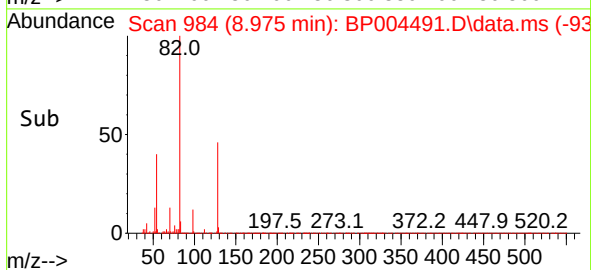
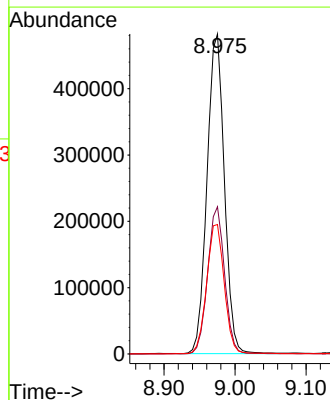
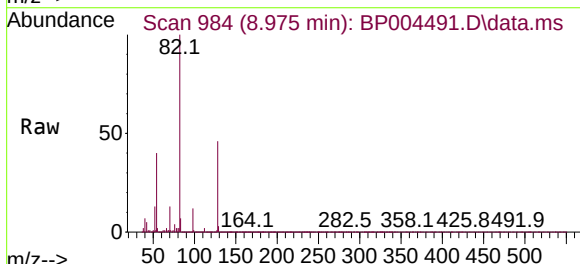
Instrument :
BNA_P
ClientSampleId :
SU-04-010621

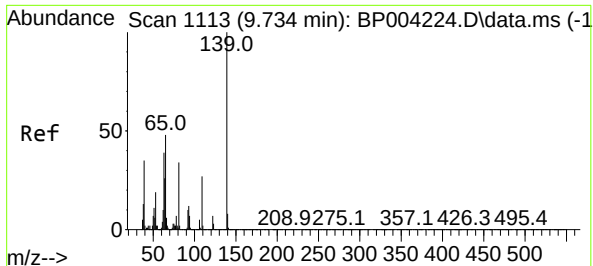
Tgt Ion:136 Resp: 1475952
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 6.7 3.6 5.4#
68 6.2 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 26.34 ng
RT: 8.975 min Scan# 984
Delta R.T. 0.000 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

Tgt Ion: 82 Resp: 817764
Ion Ratio Lower Upper
82 100
128 46.0 45.6 68.4
54 40.4 30.1 45.1

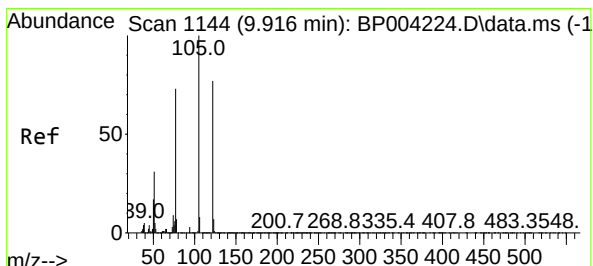
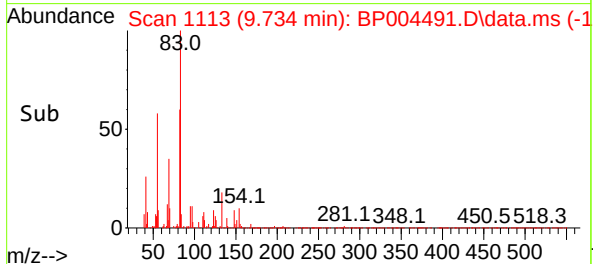
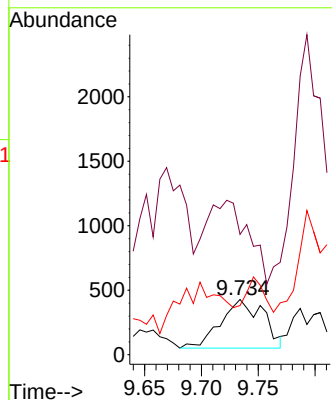
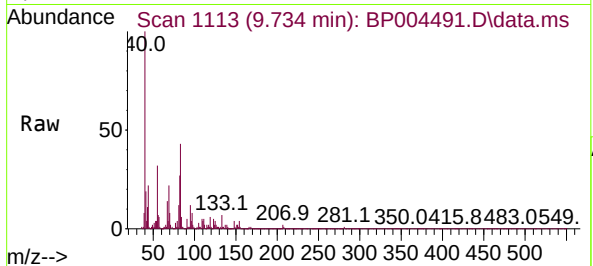




#26
2-Nitrophenol
Concen: 2.71 ng
RT: 9.734 min Scan# 1113
Delta R.T. 0.006 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

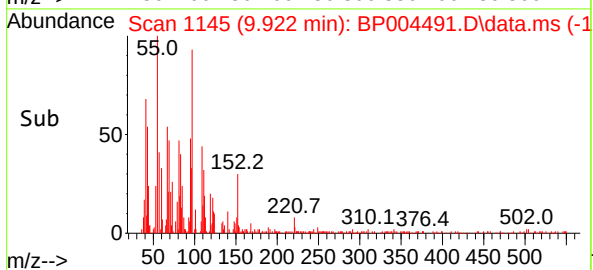
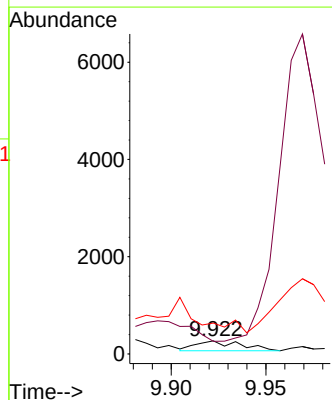
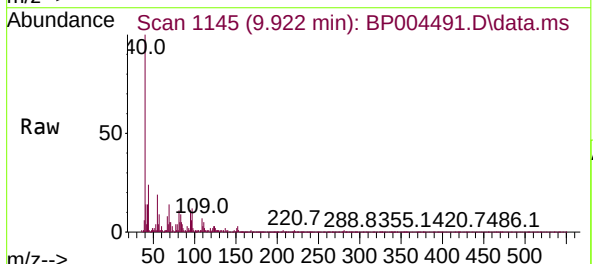
Instrument :
BNA_P
ClientSampled :
SU-04-010621

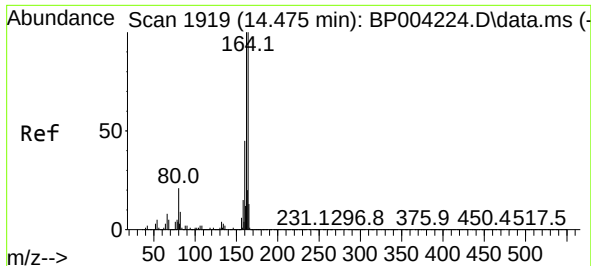
Tgt Ion:139 Resp: 987
Ion Ratio Lower Upper
139 100
109 218.0 22.1 33.1#
65 89.3 26.5 39.7#



#32
Benzoic acid
Concen: 7.28 ng
RT: 9.922 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

Tgt Ion:122 Resp: 340
Ion Ratio Lower Upper
122 100
105 96.3 94.1 134.1
77 235.9 50.1 90.1#

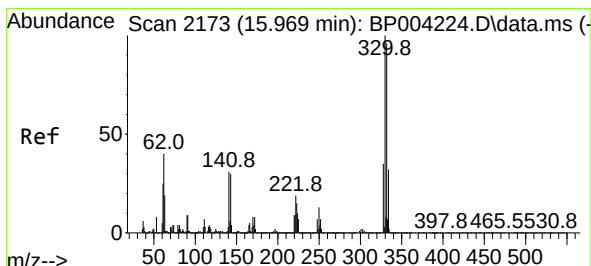
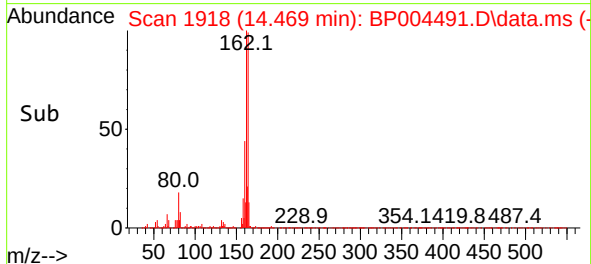
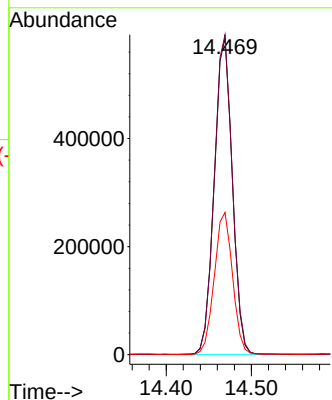
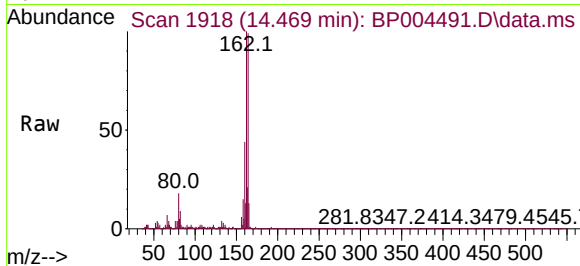




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.469 min Scan# 1918
Delta R.T. 0.006 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

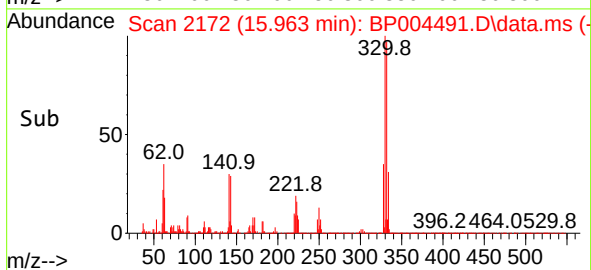
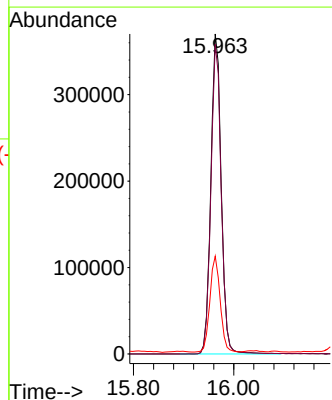
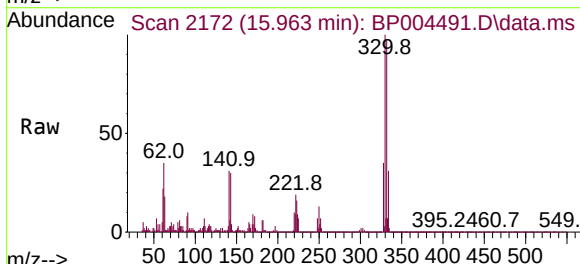
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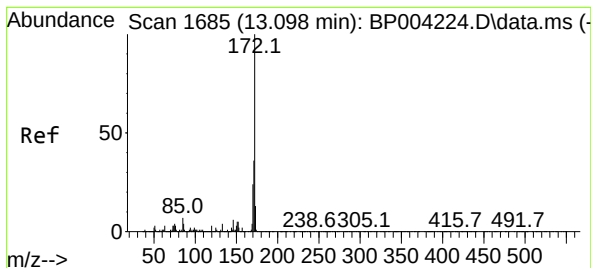
Tgt Ion:164 Resp: 863361
Ion Ratio Lower Upper
164 100
162 100.9 79.4 119.2
160 44.9 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 46.23 ng
RT: 15.963 min Scan# 2172
Delta R.T. 0.000 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

Tgt Ion:330 Resp: 532541
Ion Ratio Lower Upper
330 100
332 96.2 77.1 115.7
141 29.6 23.4 35.2

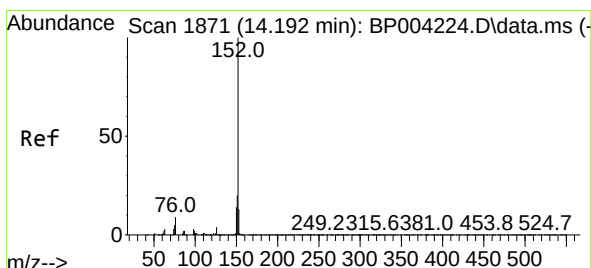
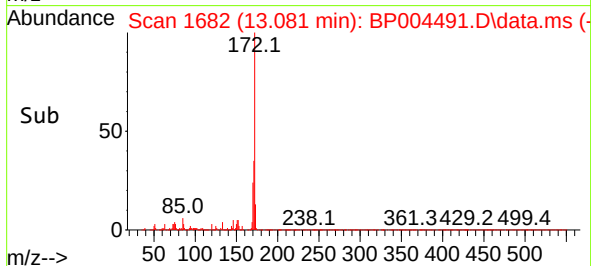
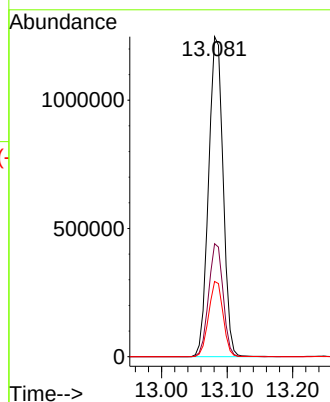
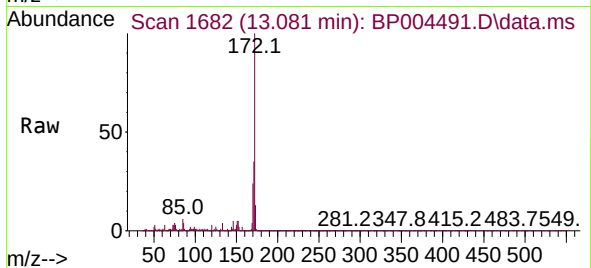




#45
2-Fluorobiphenyl
Concen: 28.24 ng
RT: 13.081 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

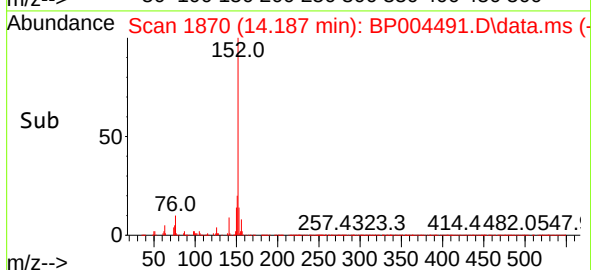
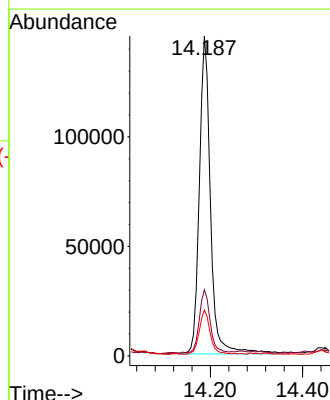
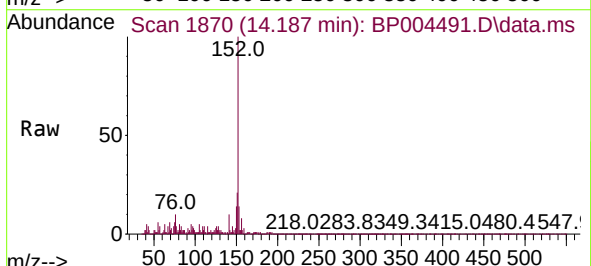
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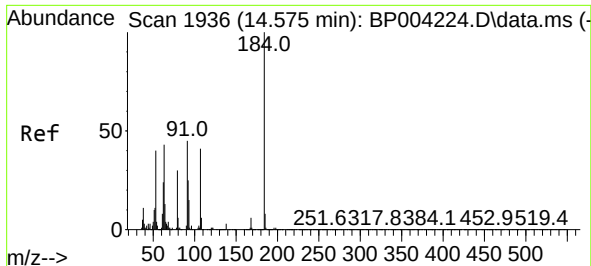
Tgt Ion:172 Resp: 1923834
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 23.5 19.2 28.8



#49
Acenaphthylene
Concen: 2.77 ng
RT: 14.187 min Scan# 1870
Delta R.T. 0.000 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

Tgt Ion:152 Resp: 243787
Ion Ratio Lower Upper
152 100
151 20.7 15.9 23.9
153 14.4 10.5 15.7

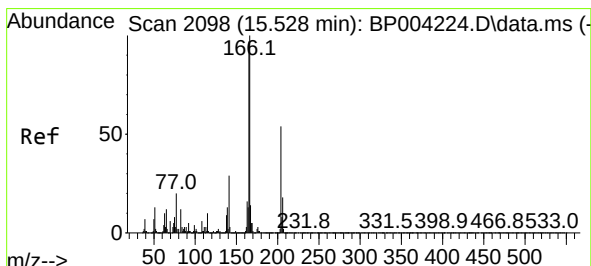
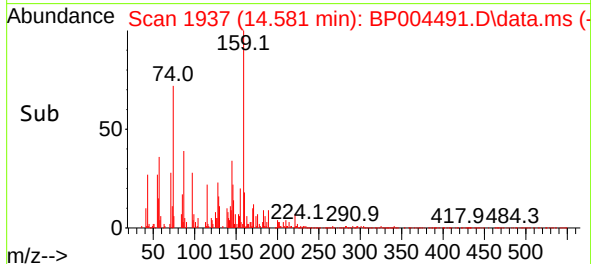
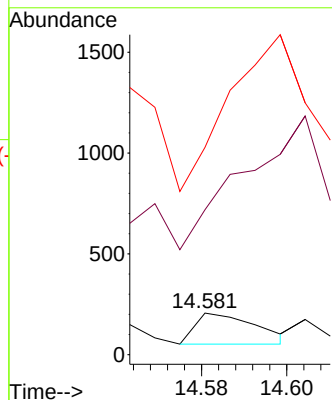
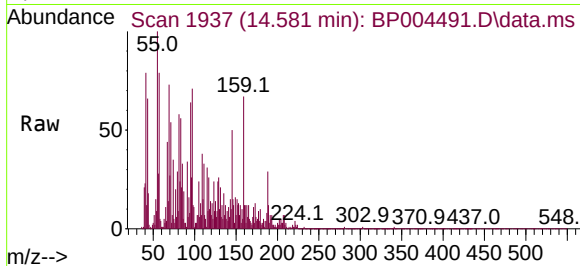




#54
2,4-Dinitrophenol
Concen: 5.30 ng
RT: 14.581 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

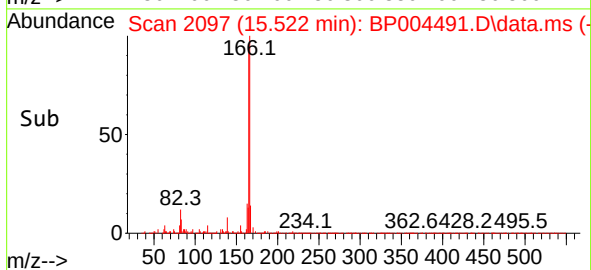
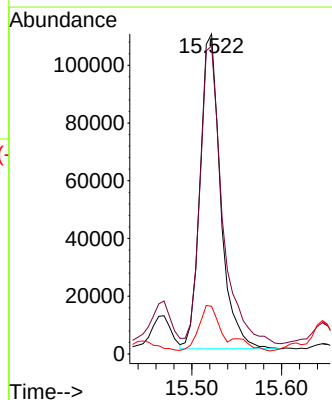
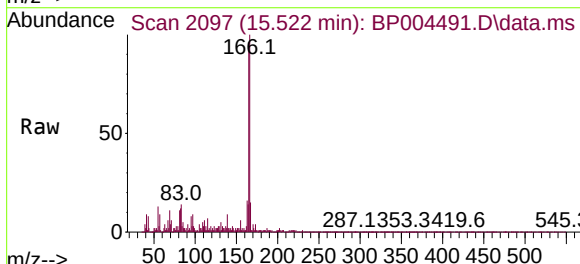
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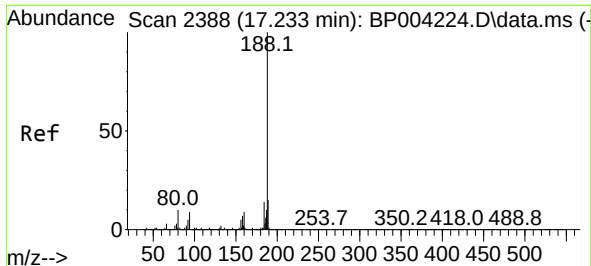
Tgt Ion:184 Resp: 153
Ion Ratio Lower Upper
184 100
63 349.0 32.3 48.5#
154 499.0 49.1 73.7#



#58
Fluorene
Concen: 2.53 ng
RT: 15.522 min Scan# 2097
Delta R.T. 0.000 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

Tgt Ion:166 Resp: 172983
Ion Ratio Lower Upper
166 100
165 96.3 77.8 116.8
167 14.9 11.0 16.4

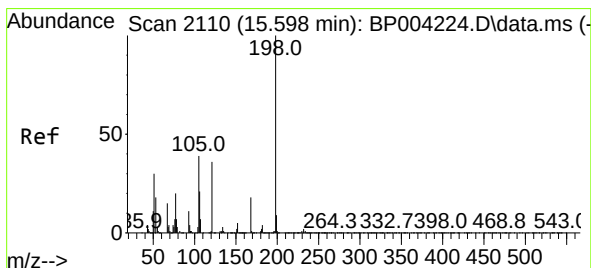
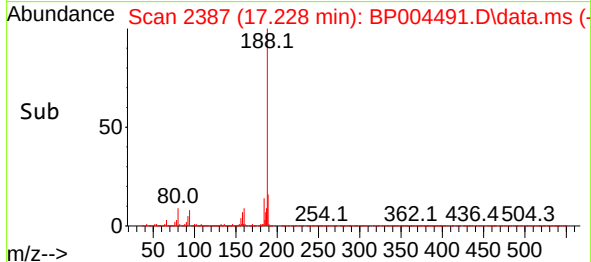
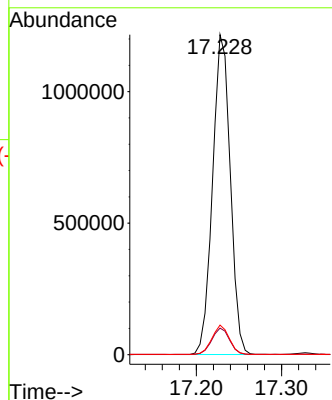
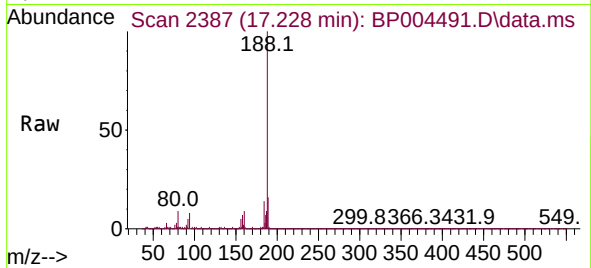




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.228 min Scan# 2387
Delta R.T. 0.000 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

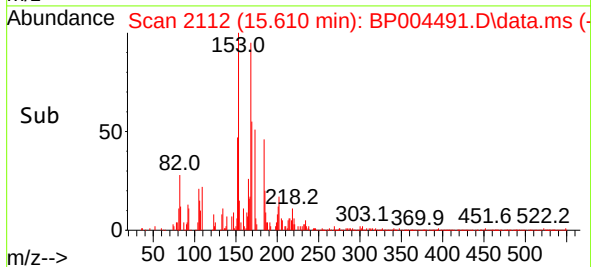
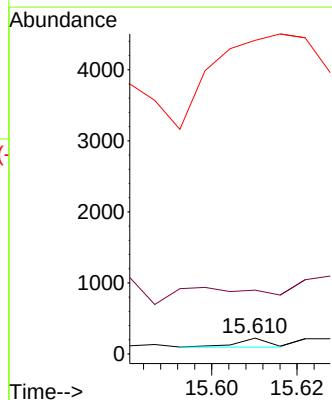
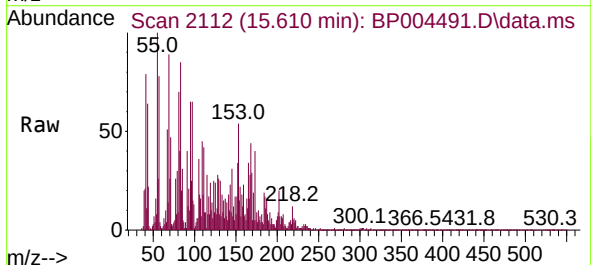
Instrument :
BNA_P
ClientSampleId :
SU-04-010621

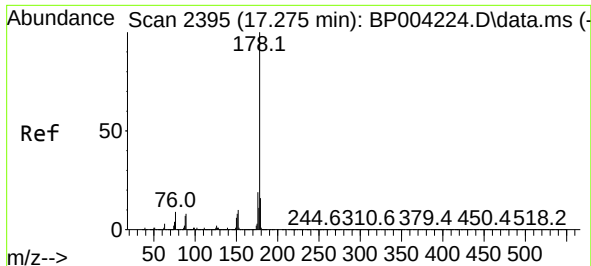
Tgt Ion:188 Resp: 1755458
Ion Ratio Lower Upper
188 100
94 8.3 6.2 9.2
80 9.2 6.2 9.2



#65
4,6-Dinitro-2-methylphenol
Concen: 4.17 ng
RT: 15.610 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

Tgt Ion:198 Resp: 66
Ion Ratio Lower Upper
198 100
51 401.3 6.4 46.4#
105 1971.0 18.9 58.9#

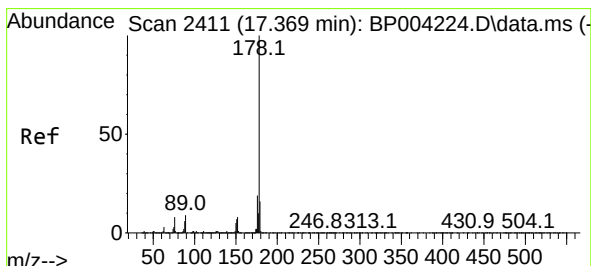
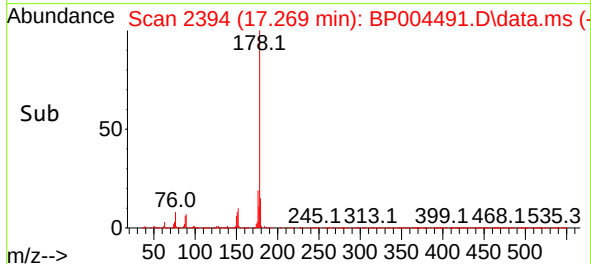
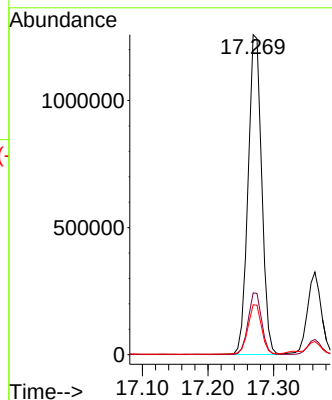
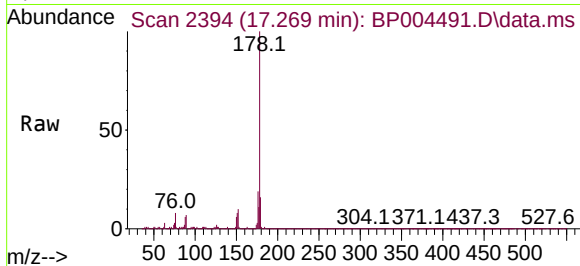




#71
Phenanthrene
Concen: 17.18 ng
RT: 17.269 min Scan# 2394
Delta R.T. 0.000 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

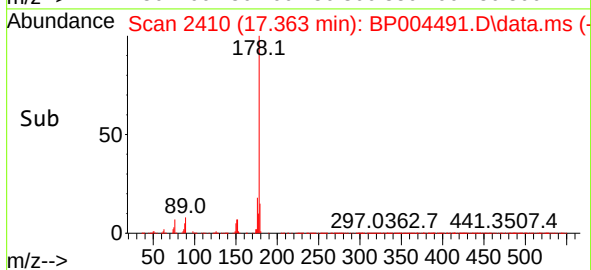
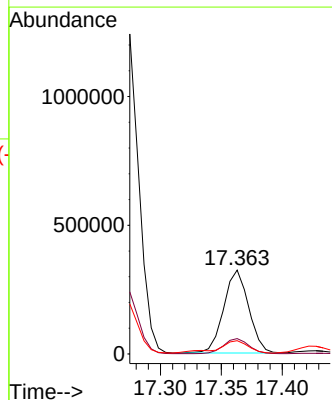
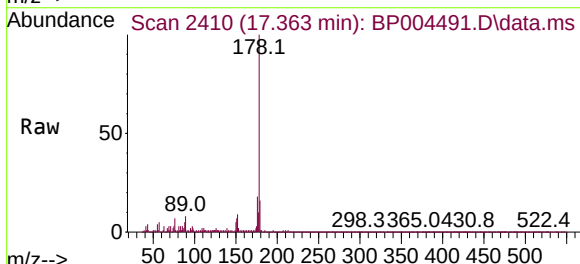
Instrument :
BNA_P
ClientSampleId :
SU-04-010621

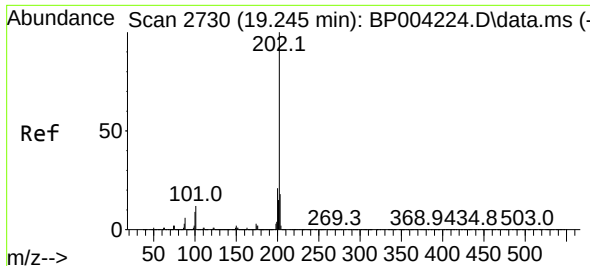
Tgt Ion:178 Resp: 1813693
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.6 12.5 18.7



#72
Anthracene
Concen: 4.61 ng
RT: 17.363 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

Tgt Ion:178 Resp: 459253
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.4
179 15.9 12.5 18.7

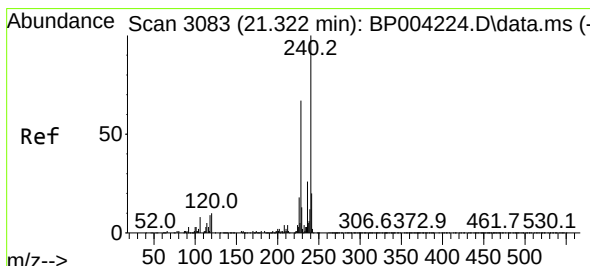
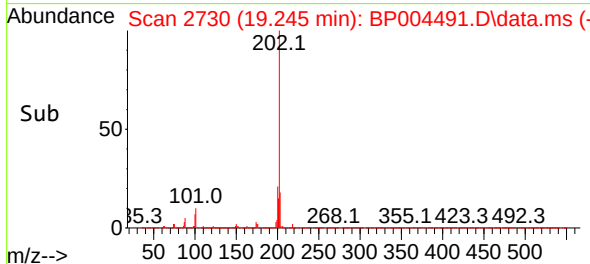
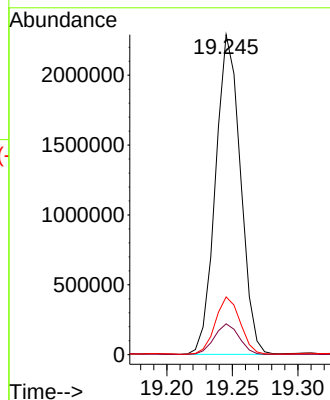
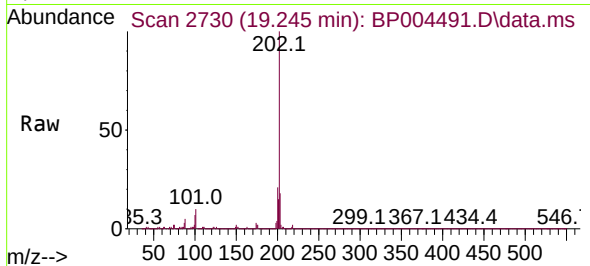




#75
Fluoranthene
Concen: 24.92 ng
RT: 19.245 min Scan# 2730
Delta R.T. 0.000 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

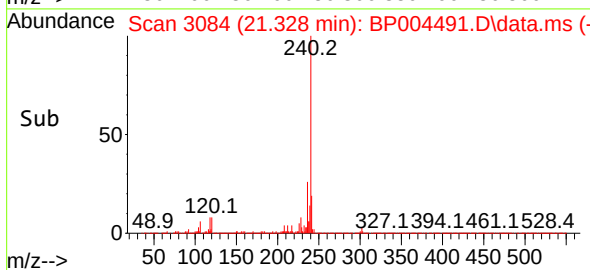
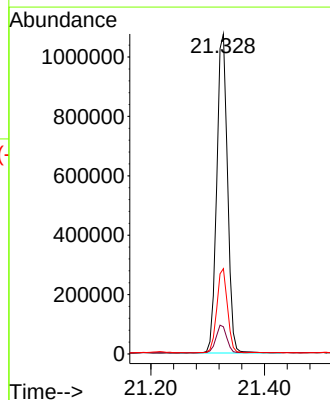
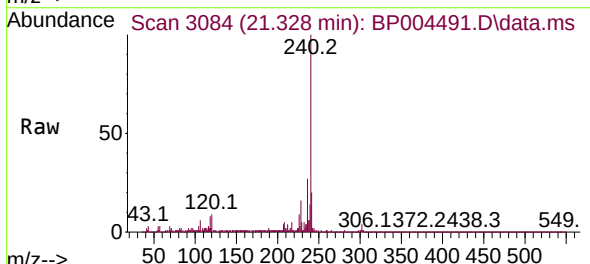
Instrument :
BNA_P
ClientSampleId :
SU-04-010621

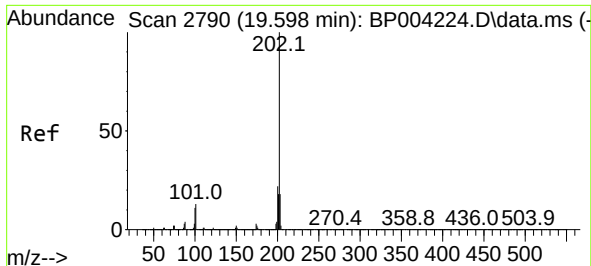
Tgt Ion:202 Resp: 3021286
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.4
203 18.0 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.328 min Scan# 3084
Delta R.T. 0.006 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

Tgt Ion:240 Resp: 1407868
Ion Ratio Lower Upper
240 100
120 8.5 7.8 11.6
236 26.7 20.8 31.2

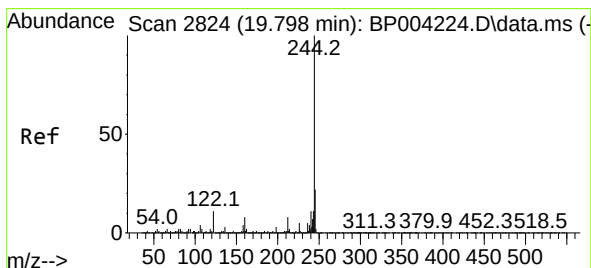
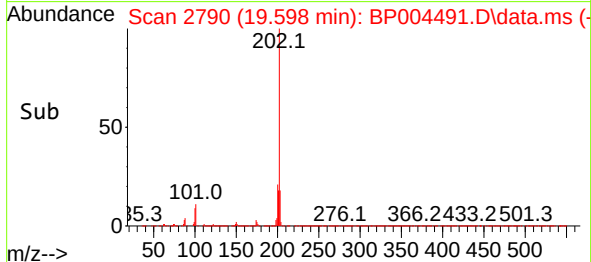
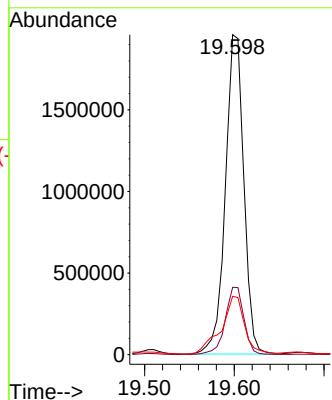
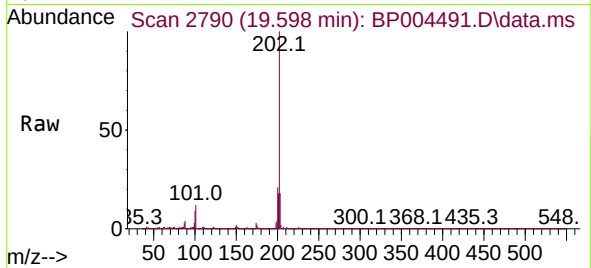




#78
Pyrene
Concen: 29.12 ng
RT: 19.598 min Scan# 2790
Delta R.T. 0.000 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

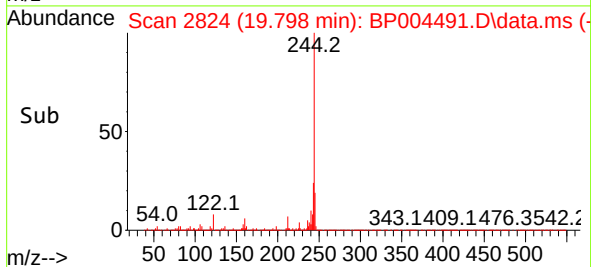
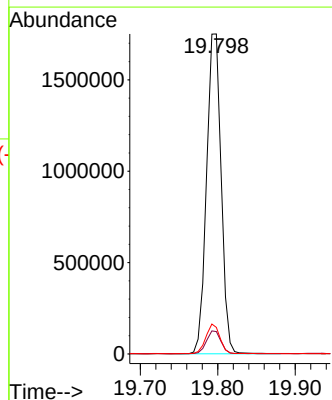
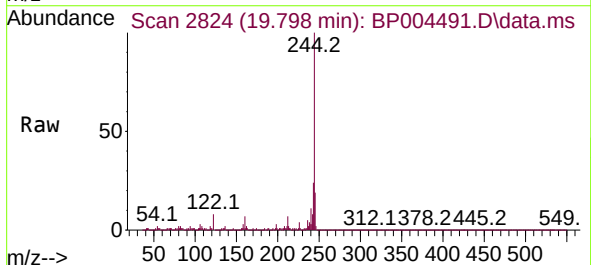
Instrument :
BNA_P
ClientSampleId :
SU-04-010621

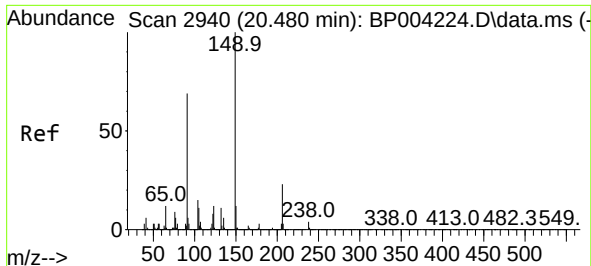
Tgt Ion:202 Resp: 2793808
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 18.2 14.2 21.2



#79
Terphenyl-d14
Concen: 31.13 ng
RT: 19.798 min Scan# 2824
Delta R.T. 0.006 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

Tgt Ion:244 Resp: 2286393
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 8.3 7.8 11.8

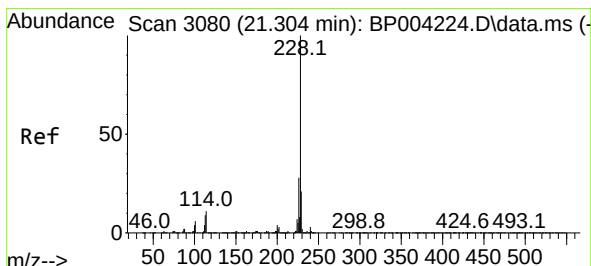
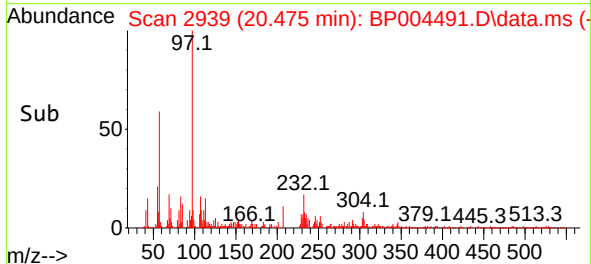
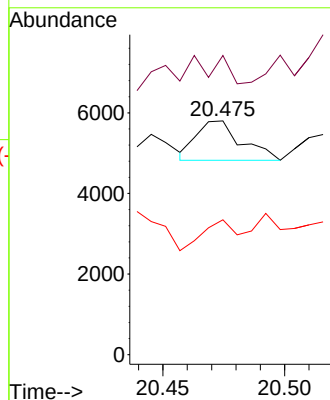
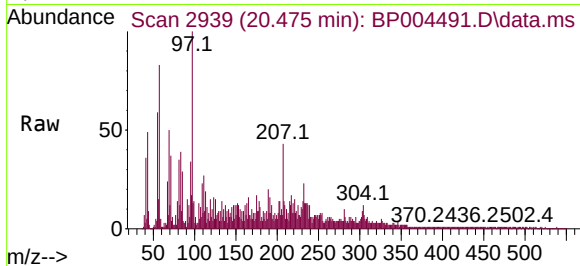




#80
Butylbenzylphthalate
Concen: 3.59 ng
RT: 20.475 min Scan# 2939
Delta R.T. 0.006 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

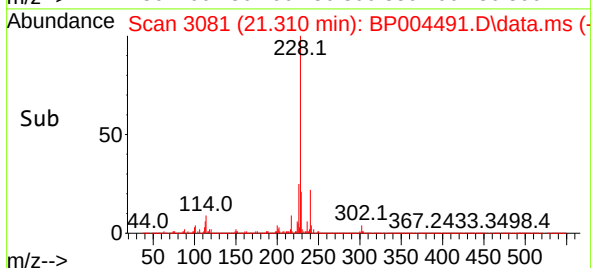
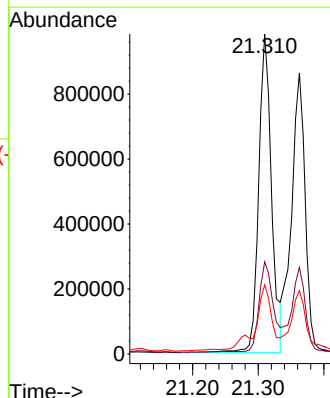
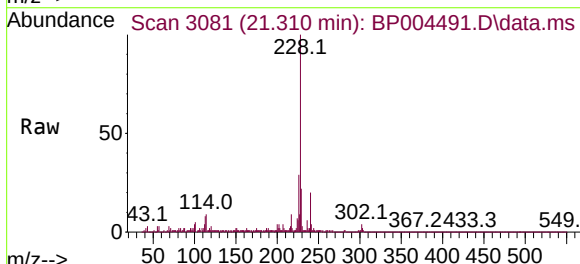
Instrument :
BNA_P
ClientSampleId :
SU-04-010621

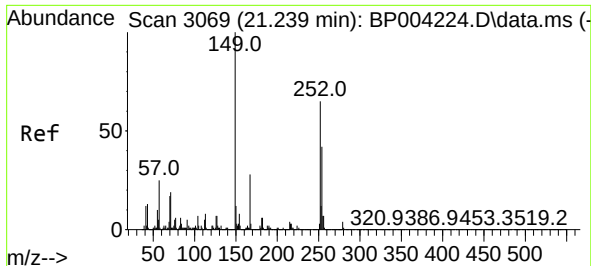
Tgt Ion:149 Resp: 1257
Ion Ratio Lower Upper
149 100
91 128.0 45.4 68.0#
206 57.7 17.1 25.7#



#81
Benzo(a)anthracene
Concen: 13.76 ng
RT: 21.310 min Scan# 3081
Delta R.T. 0.000 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

Tgt Ion:228 Resp: 1330304
Ion Ratio Lower Upper
228 100
226 28.8 22.1 33.1
229 21.6 15.9 23.9

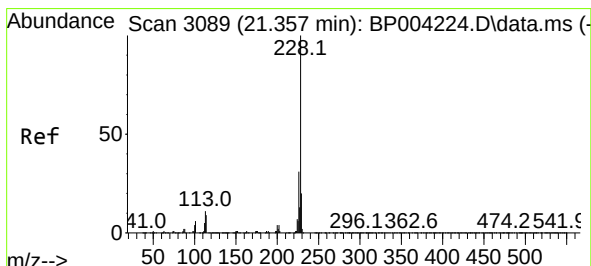
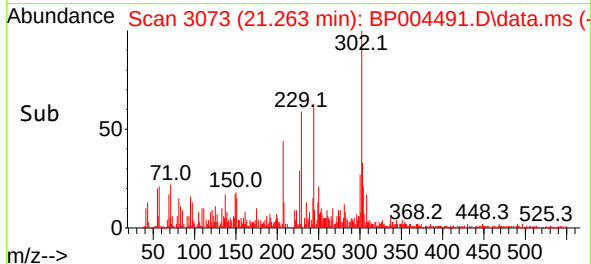
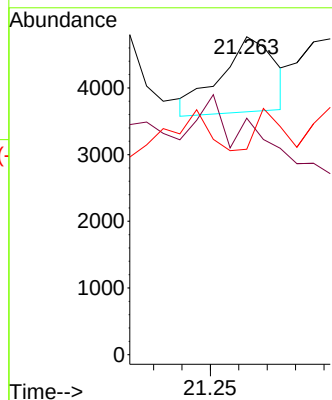
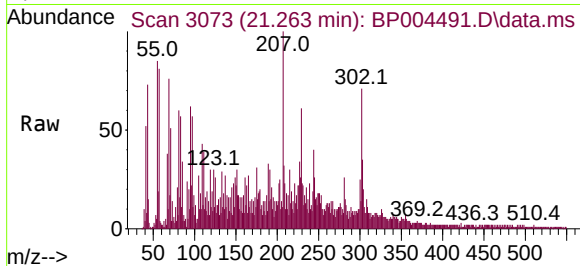




#82
3,3'-Dichlorobenzidine
Concen: 3.17 ng
RT: 21.263 min Scan# 3073
Delta R.T. 0.024 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

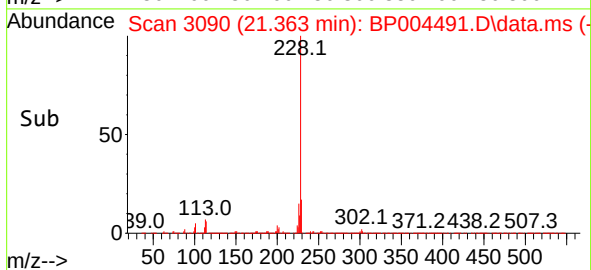
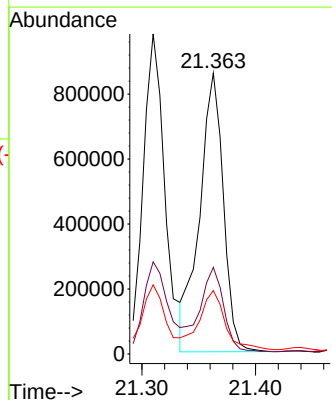
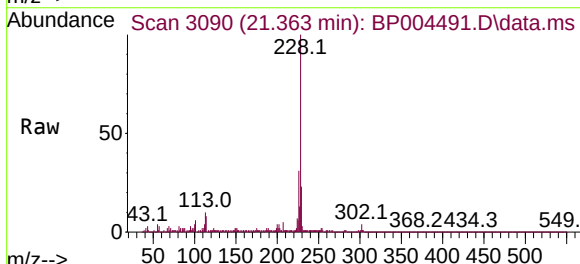
Instrument :
BNA_P
ClientSampleId :
SU-04-010621

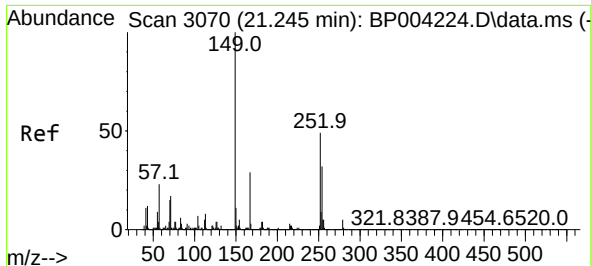
Tgt Ion:252 Resp: 1503
Ion Ratio Lower Upper
252 100
254 74.4 51.0 76.4
126 64.6 7.9 11.9#



#83
Chrysene
Concen: 13.43 ng
RT: 21.363 min Scan# 3090
Delta R.T. 0.006 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

Tgt Ion:228 Resp: 1251102
Ion Ratio Lower Upper
228 100
226 30.8 24.4 36.6
229 22.5 15.8 23.6

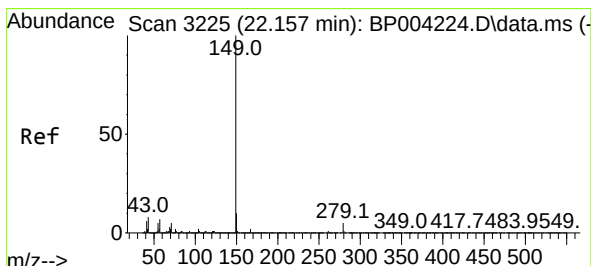
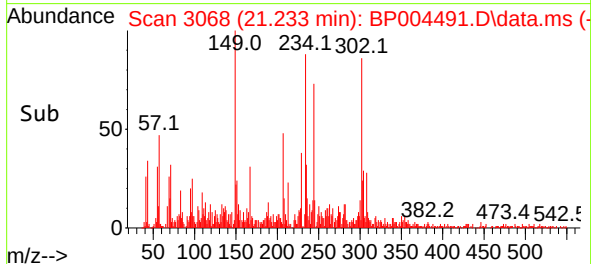
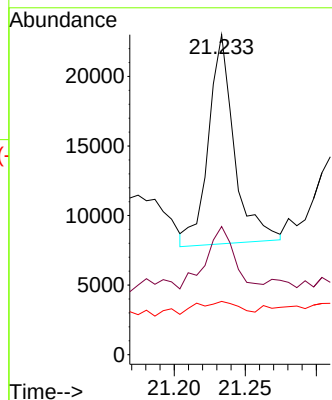
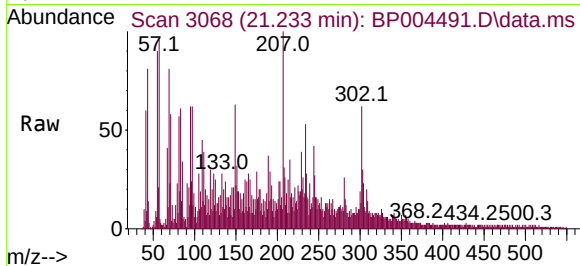




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.73 ng
RT: 21.233 min Scan# 3068
Delta R.T. 0.006 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

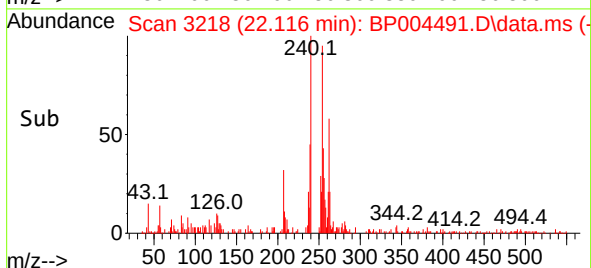
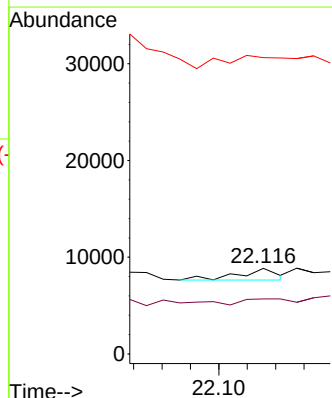
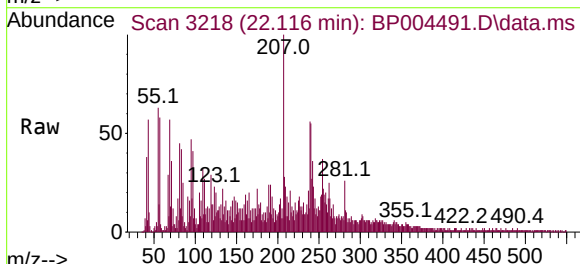
Instrument :
BNA_P
ClientSampleId :
SU-04-010621

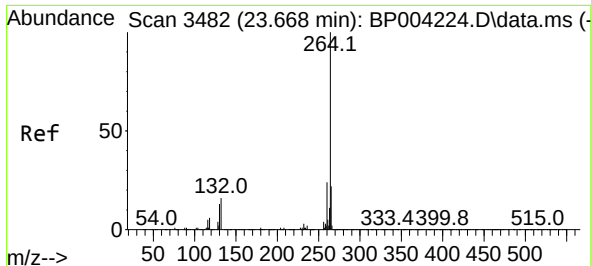
Tgt Ion:149 Resp: 19031
Ion Ratio Lower Upper
149 100
167 40.1 22.6 34.0#
279 16.7 4.2 6.2#



#85
Di-n-octyl phthalate
Concen: 4.51 ng
RT: 22.116 min Scan# 3218
Delta R.T. -0.023 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

Tgt Ion:149 Resp: 1117
Ion Ratio Lower Upper
149 100
167 67.3 1.3 1.9#
43 0.0 3.7 5.5#

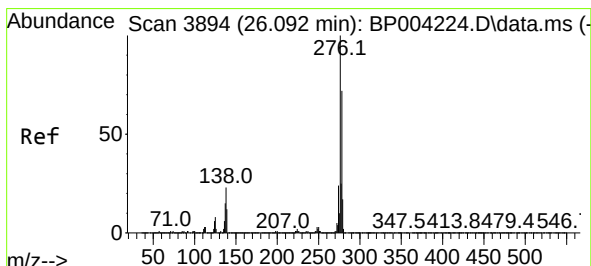
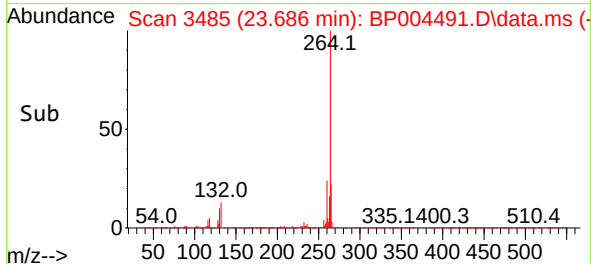
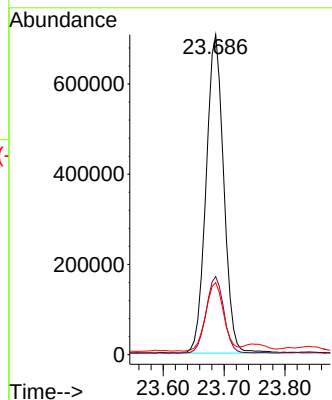
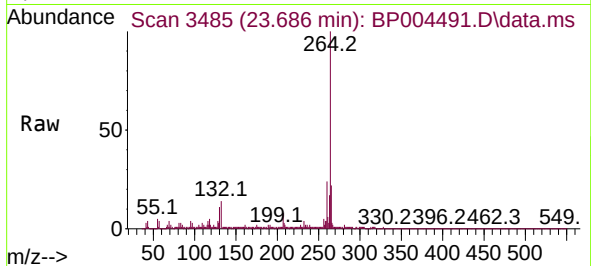




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.686 min Scan# 3485
Delta R.T. 0.012 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

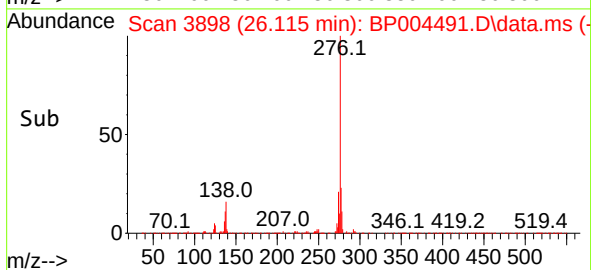
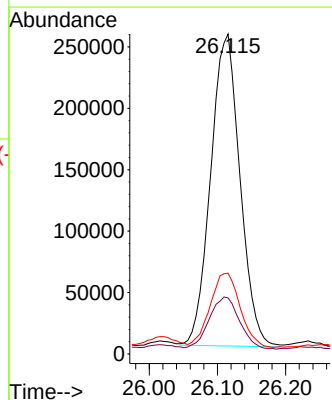
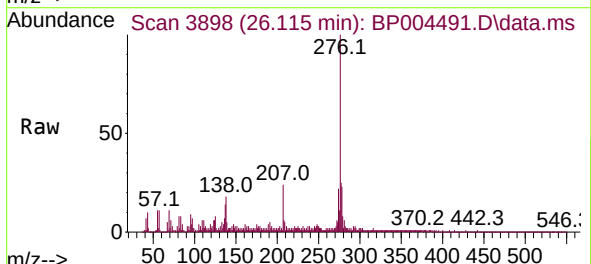
Instrument :
BNA_P
ClientSampleId :
SU-04-010621

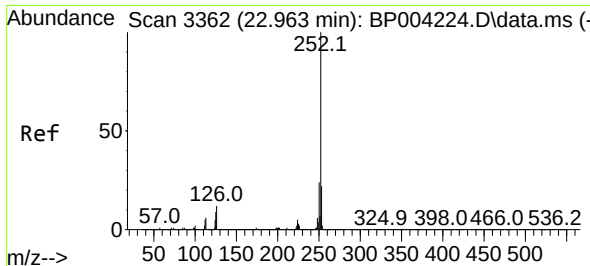
Tgt Ion:264 Resp: 1419953
Ion Ratio Lower Upper
264 100
260 24.4 18.8 28.2
265 22.5 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.01 ng
RT: 26.115 min Scan# 3898
Delta R.T. 0.012 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

Tgt Ion:276 Resp: 760551
Ion Ratio Lower Upper
276 100
138 17.4 18.7 28.1#
277 24.5 20.4 30.6

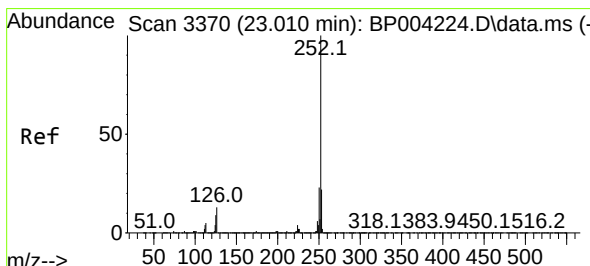
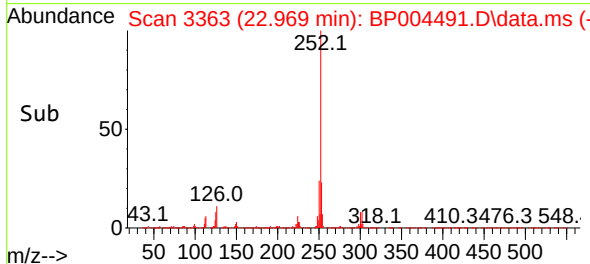
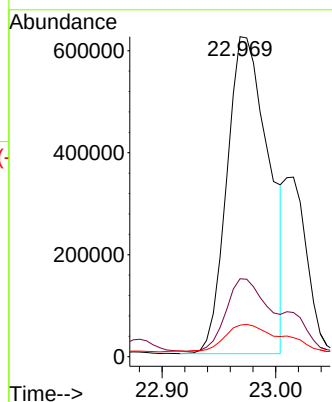
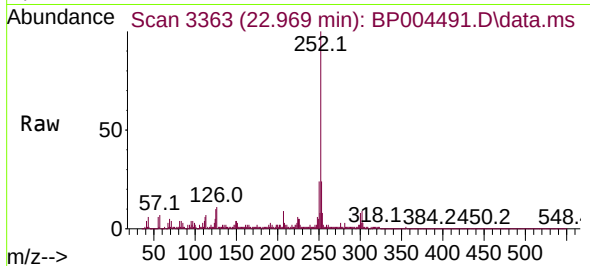




#88
Benzo(b)fluoranthene
Concen: 17.03 ng
RT: 22.969 min Scan# 3363
Delta R.T. 0.006 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

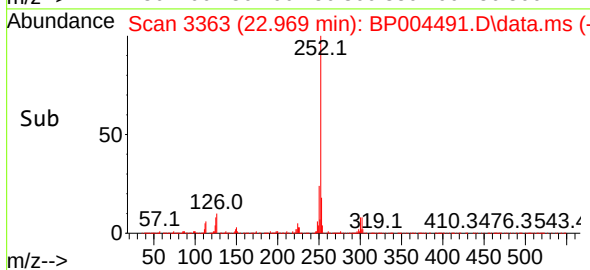
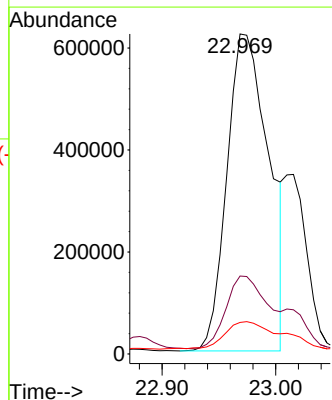
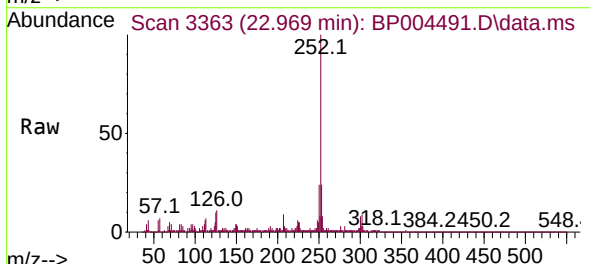
Instrument :
BNA_P
ClientSampleId :
SU-04-010621

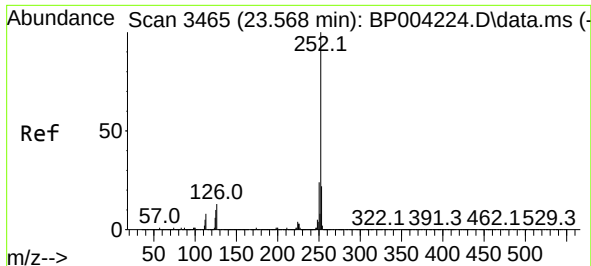
Tgt Ion:252 Resp: 1593836
Ion Ratio Lower Upper
252 100
253 24.4 17.6 26.4
125 9.9 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 17.16 ng
RT: 22.969 min Scan# 3363
Delta R.T. -0.041 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

Tgt Ion:252 Resp: 1593836
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 9.9 7.4 11.2

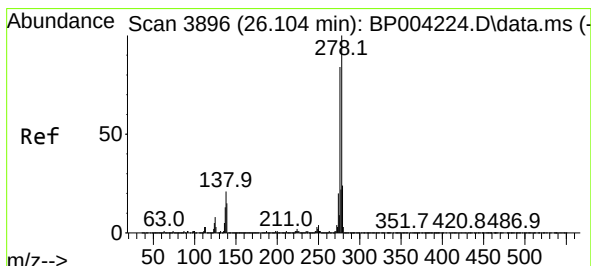
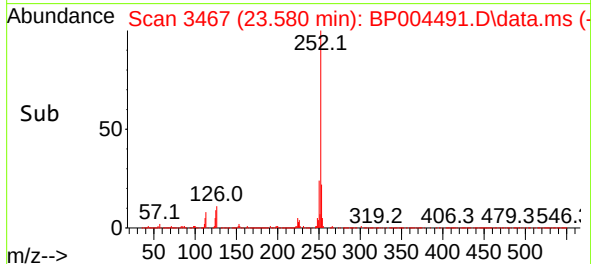
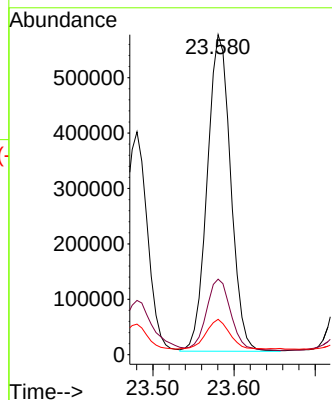
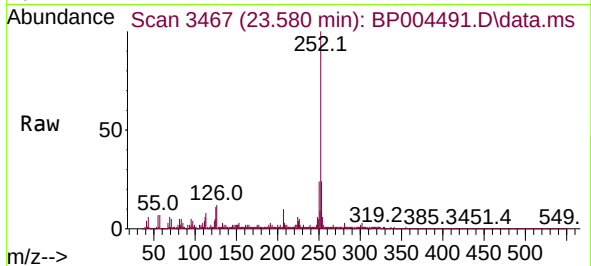




#90
Benzo(a)pyrene
Concen: 13.44 ng
RT: 23.580 min Scan# 3467
Delta R.T. 0.006 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

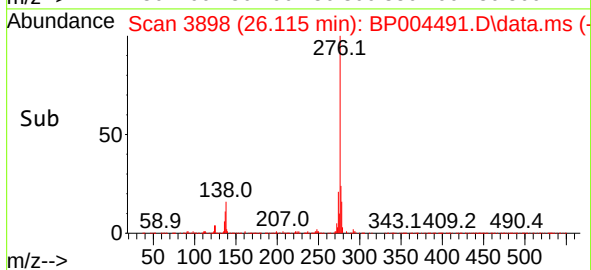
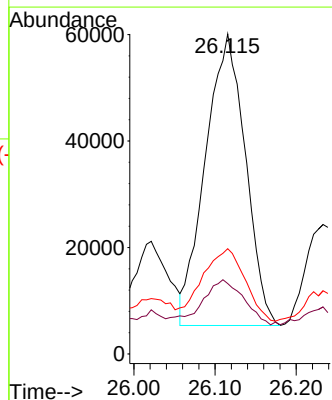
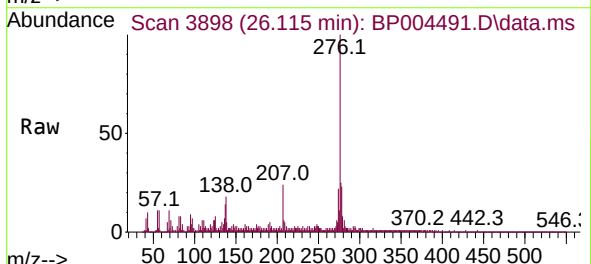
Instrument :
BNA_P
ClientSampleId :
SU-04-010621

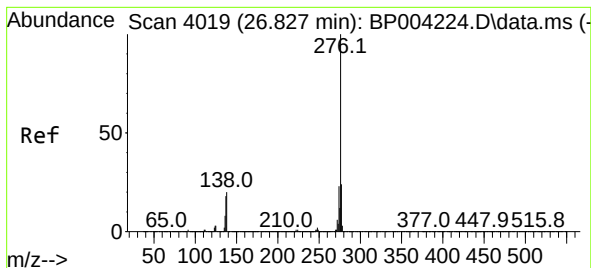
Tgt Ion:252 Resp: 1146547
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 11.1 8.2 12.4



#91
Dibenzo(a,h)anthracene
Concen: 2.10 ng
RT: 26.115 min Scan# 3898
Delta R.T. 0.000 min
Lab File: BP004491.D
Acq: 07 Jan 2021 21:27

Tgt Ion:278 Resp: 187377
Ion Ratio Lower Upper
278 100
139 22.0 12.4 18.6#
279 32.9 19.0 28.6#





#92

Benzo(g,h,i)perylene

Concen: 8.99 ng

RT: 26.863 min Scan# 4025

Delta R.T. 0.018 min

Lab File: BP004491.D

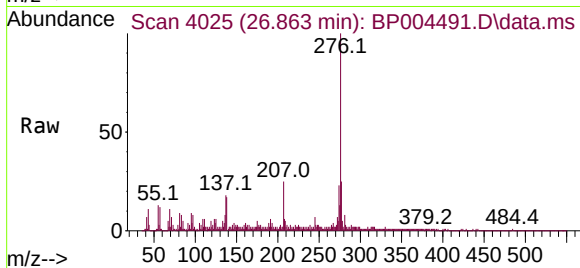
Acq: 07 Jan 2021 21:27

Instrument :

BNA_P

ClientSampleId :

SU-04-010621



Tgt Ion:276 Resp: 783069

Ion Ratio Lower Upper

276 100

277 25.4 19.0 28.6

138 17.5 16.6 24.8

