

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060421\
 Data File : BP005733.D
 Acq On : 05 Jun 2021 03:21
 Operator : CG/JU
 Sample : M2589-17 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FOUNDATION-EXCAVATION-SAMP

Quant Time: Jun 05 04:35:59 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 27 16:11:11 2021
 Response via : Initial Calibration

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

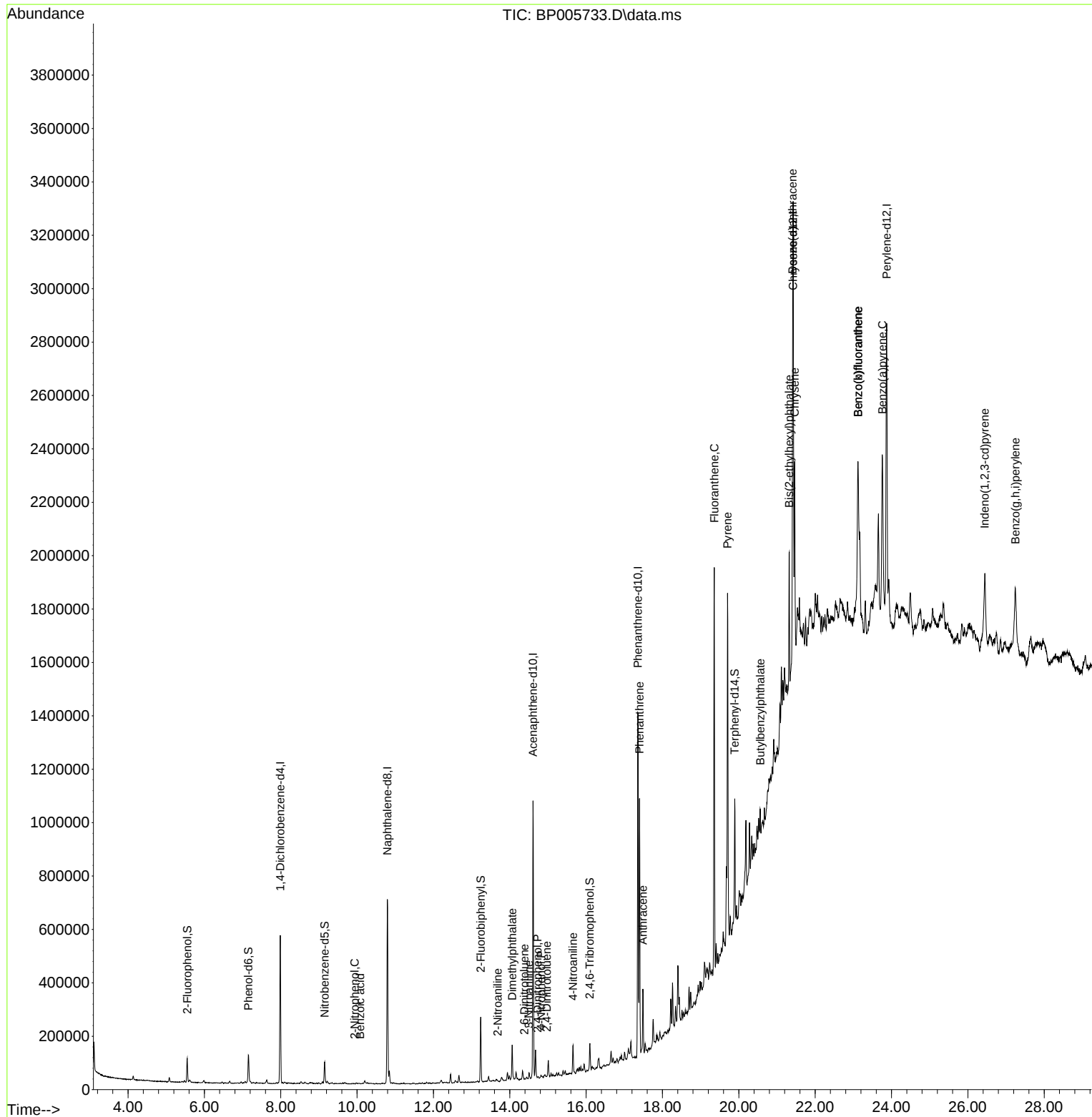
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	150504	20.00	ng	0.00
21) Naphthalene-d8	10.793	136	577207	20.00	ng	0.00
39) Acenaphthene-d10	14.610	164	354155	20.00	ng	0.00
64) Phenanthrene-d10	17.357	188	749295	20.00	ng	# 0.00
76) Chrysene-d12	21.422	240	754572	20.00	ng	# 0.00
86) Perylene-d12	23.874	264	883084	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.552	112	42524	4.39	ng	0.00
7) Phenol-d6	7.152	99	65717	4.98	ng	0.00
23) Nitrobenzene-d5	9.152	82	49302	4.75	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	17889	3.94	ng	0.00
45) 2-Fluorobiphenyl	13.240	172	126144	4.71	ng	0.00
79) Terphenyl-d14	19.892	244	199747	4.97	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.934	139	142	4.19	ng	# 1
32) Benzoic acid	10.081	122	75	5.03	ng	# 1
48) 2-Nitroaniline	13.681	65	127	4.51	ng	# 56
50) Dimethylphthalate	14.063	163	84146	2.99	ng	97
51) 2,6-Dinitrotoluene	14.387	165	136	5.08	ng	87
53) 3-Nitroaniline	14.504	138	122	3.67	ng	# 83
54) 2,4-Dinitrophenol	14.728	184	100	6.56	ng	# 1
56) 4-Nitrophenol	14.816	139	427	3.82	ng	# 58
57) 2,4-Dinitrotoluene	14.969	165	312	4.30	ng	# 42
62) 4-Nitroaniline	15.657	138	774	3.74	ng	# 8
71) Phenanthrene	17.398	178	563794	12.08	ng	100
72) Anthracene	17.486	178	150154	3.26	ng	99
75) Fluoranthene	19.357	202	891864	15.92	ng	97
78) Pyrene	19.704	202	795477	14.94	ng	99
80) Butylbenzylphthalate	20.563	149	16311	4.82	ng	97
81) Benzo(a)anthracene	21.410	228	432988	7.82	ng	97
83) Chrysene	21.463	228	387415	7.22	ng	97
84) Bis(2-ethylhexyl)phtha...	21.322	149	195213	6.49	ng	98
87) Indeno(1,2,3-cd)pyrene	26.445	276	294793	3.92	ng	# 94
88) Benzo(b)fluoranthene	23.121	252	573306	8.95	ng	# 93
89) Benzo(k)fluoranthene	23.121	252	573306	9.44	ng	# 91
90) Benzo(a)pyrene	23.763	252	408970	7.02	ng	# 89
92) Benzo(g,h,i)perylene	27.245	276	280163	4.45	ng	# 90

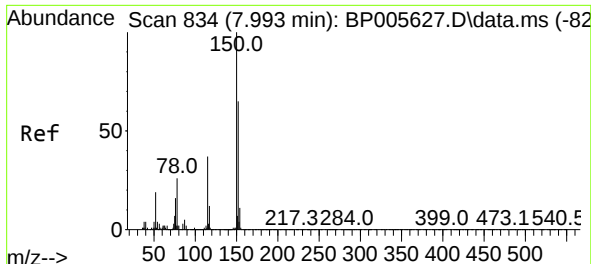
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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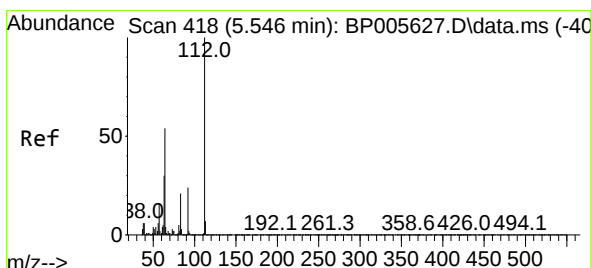
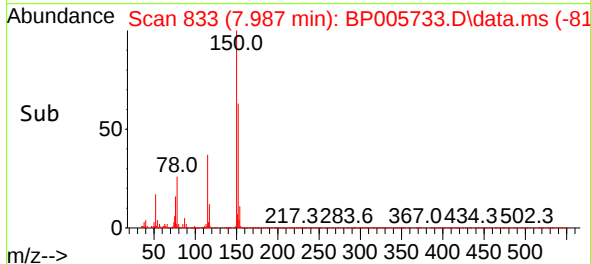
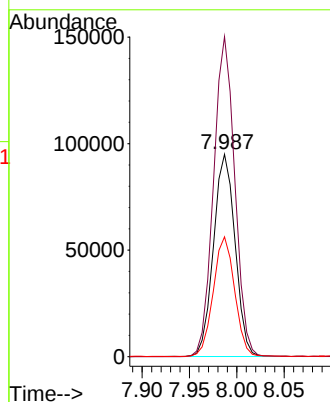
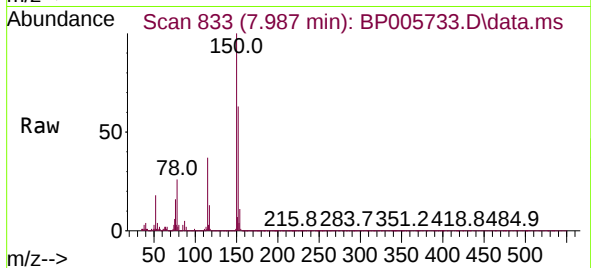




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.987 min Scan# 833
Delta R.T. -0.006 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

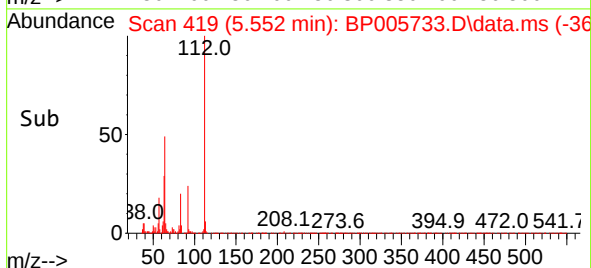
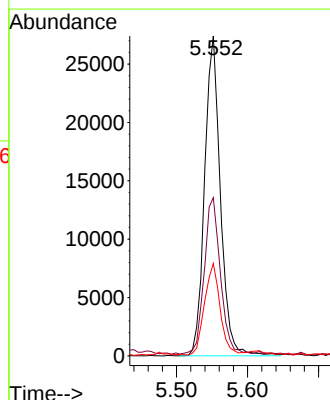
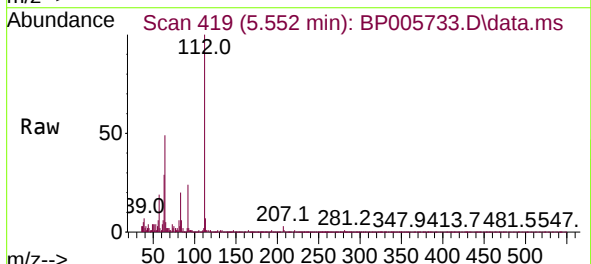
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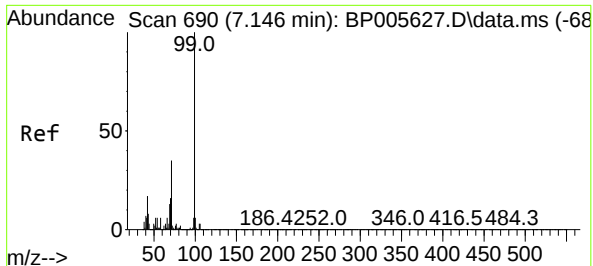
Tgt Ion:152 Resp: 150504
Ion Ratio Lower Upper
152 100
150 158.1 119.8 179.8
115 59.3 49.0 73.4



#5
2-Fluorophenol
Concen: 4.39 ng
RT: 5.552 min Scan# 419
Delta R.T. 0.006 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

Tgt Ion:112 Resp: 42524
Ion Ratio Lower Upper
112 100
64 49.5 33.6 50.4
63 28.9 18.6 27.8#

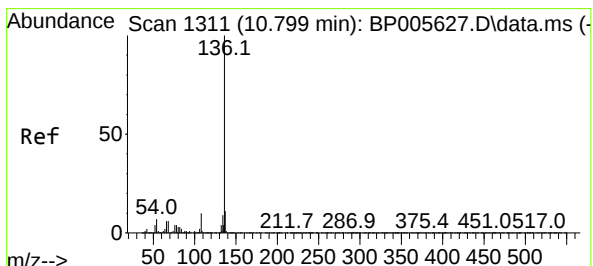
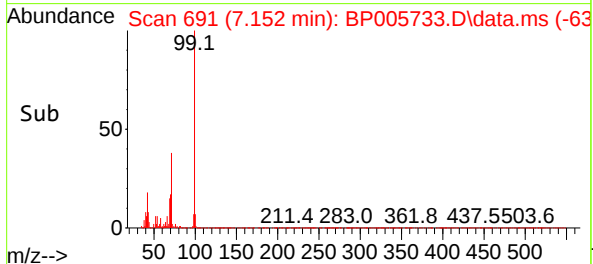
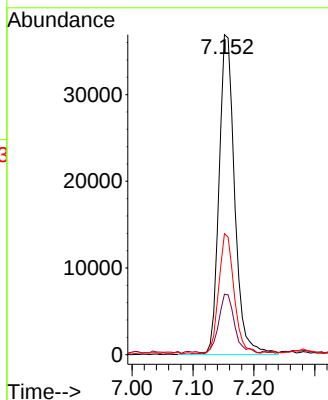
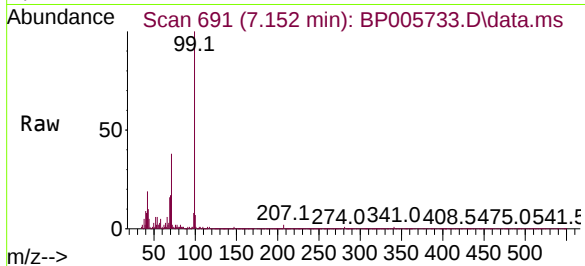




#7
Phenol-d6
Concen: 4.98 ng
RT: 7.152 min Scan# 691
Delta R.T. 0.006 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

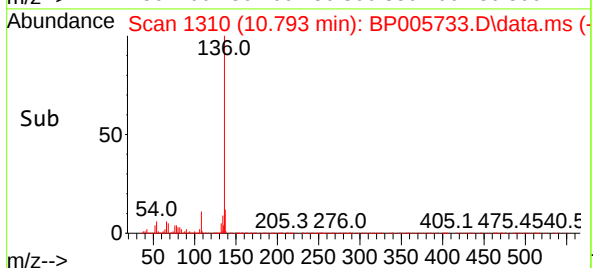
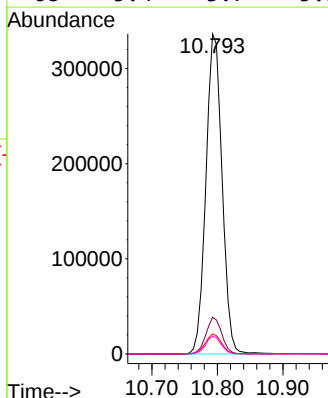
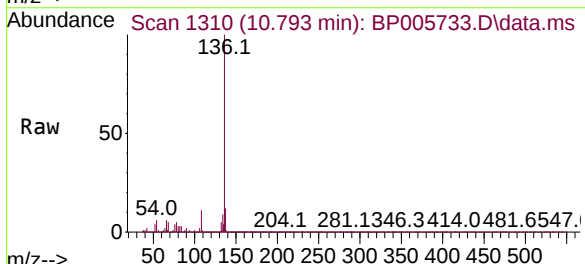
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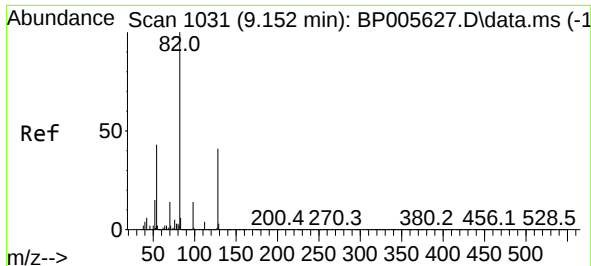
Tgt Ion:	99	Resp:	65717
Ion	Ratio	Lower	Upper
99	100		
42	18.9	12.9	19.3
71	37.8	26.7	40.1



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.793 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

Tgt Ion:	136	Resp:	577207
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	6.2	5.0	7.4
68	5.4	3.7	5.5

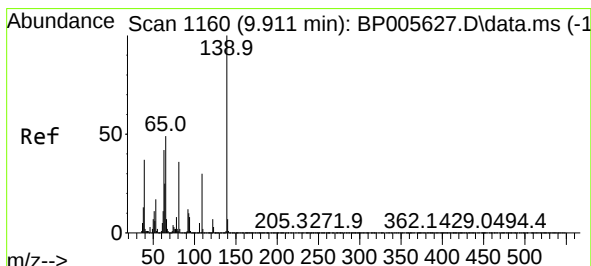
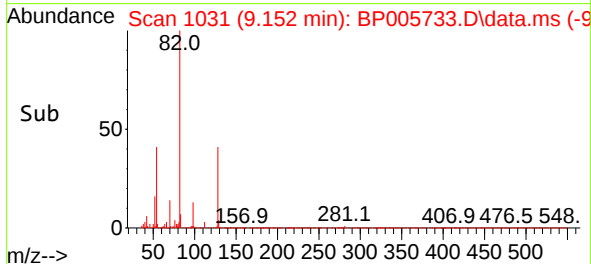
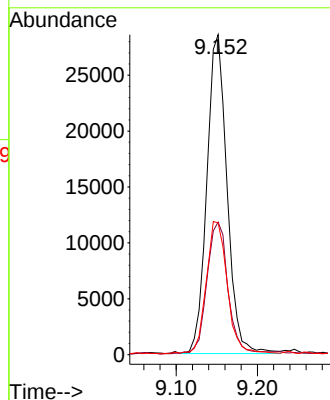
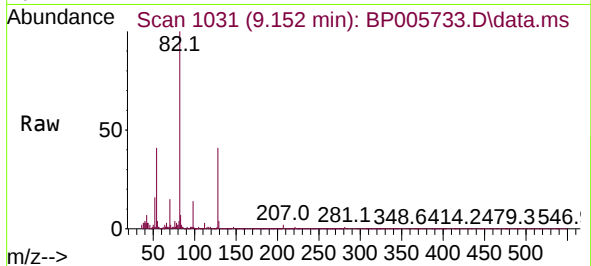




#23
Nitrobenzene-d5
Concen: 4.75 ng
RT: 9.152 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

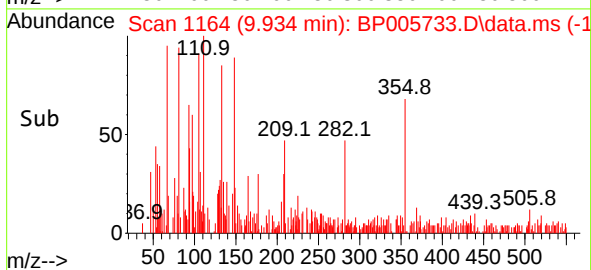
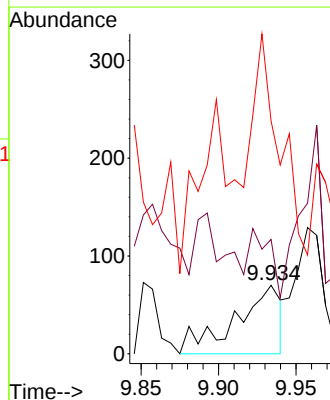
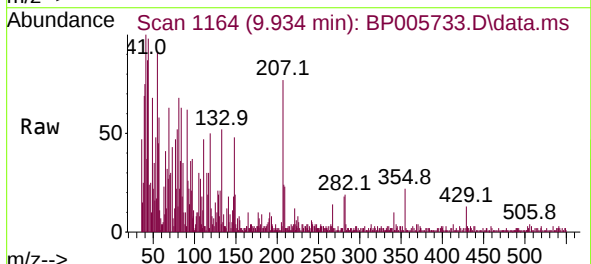
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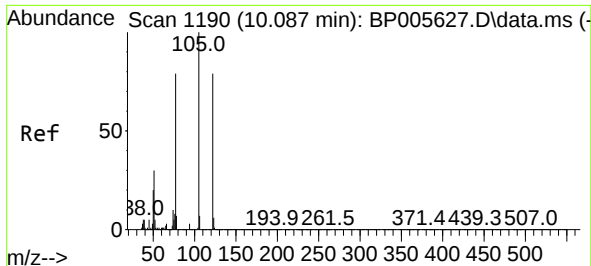
Tgt Ion:	82	Resp:	49302
Ion	Ratio	Lower	Upper
82	100		
128	41.5	30.5	45.7
54	41.2	33.9	50.9



#26
2-Nitrophenol
Concen: 4.19 ng
RT: 9.934 min Scan# 1164
Delta R.T. 0.023 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

Tgt Ion:	139	Resp:	142
Ion	Ratio	Lower	Upper
139	100		
109	167.1	40.7	61.1#
65	340.0	47.8	71.6#

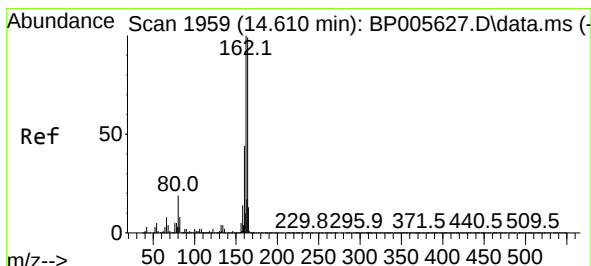
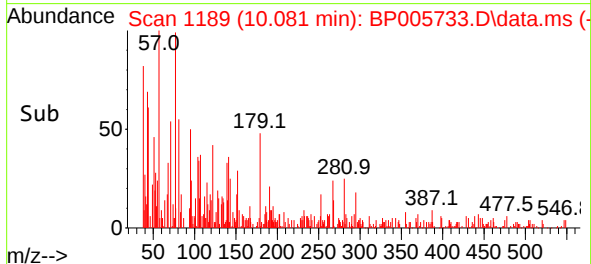
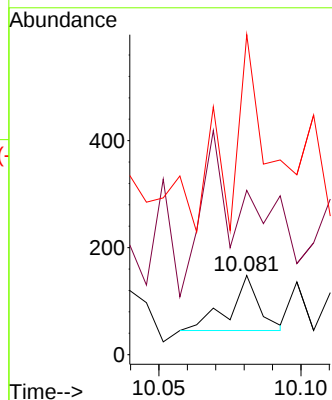
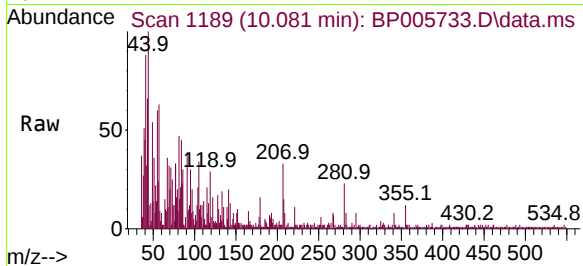




#32
Benzoic acid
Concen: 5.03 ng
RT: 10.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

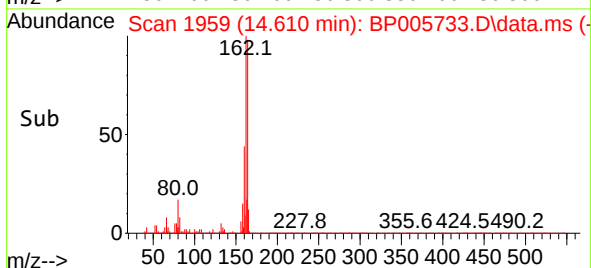
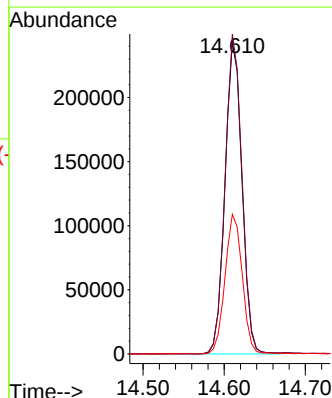
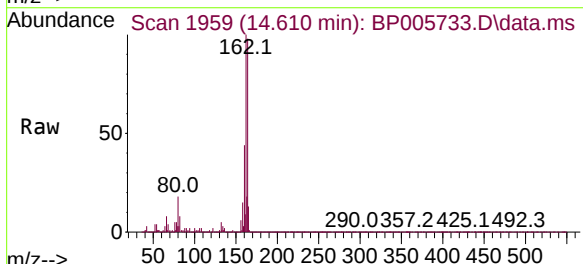
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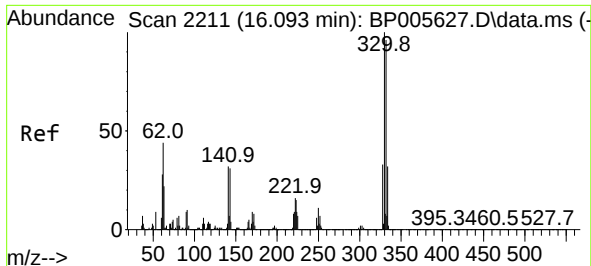
Tgt Ion:122 Resp: 75
Ion Ratio Lower Upper
122 100
105 207.4 105.1 145.1#
77 404.1 69.6 109.6#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.610 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

Tgt Ion:164 Resp: 354155
Ion Ratio Lower Upper
164 100
162 102.6 73.5 110.3
160 44.8 40.6 61.0

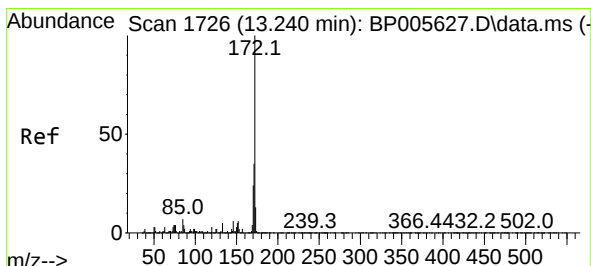
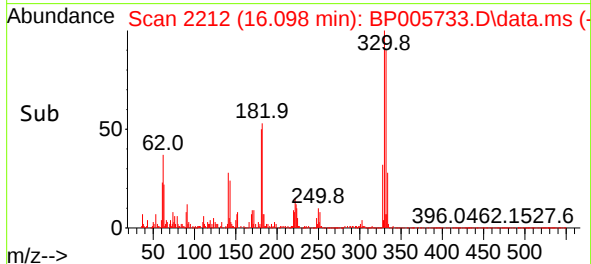
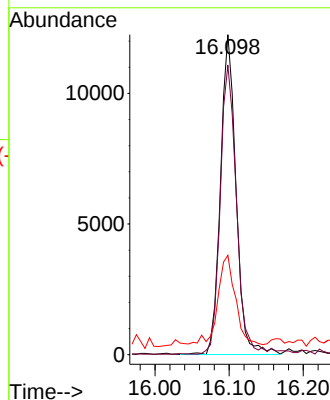
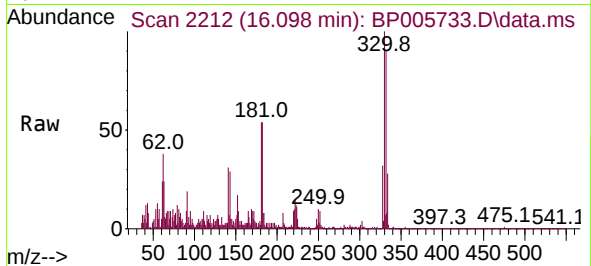




#42
2,4,6-Tribromophenol
Concen: 3.94 ng
RT: 16.098 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

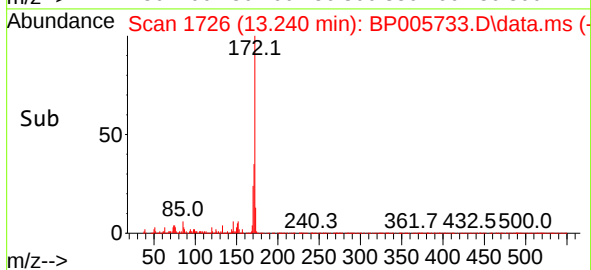
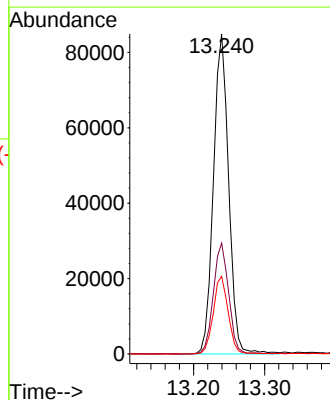
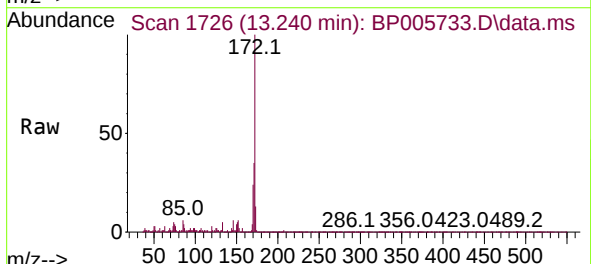
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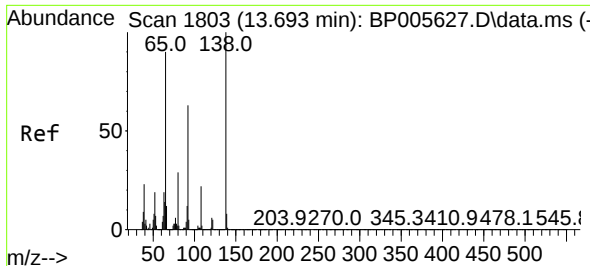
Tgt Ion: 330 Resp: 17889
Ion Ratio Lower Upper
330 100
332 94.7 76.3 114.5
141 31.0 22.8 34.2



#45
2-Fluorobiphenyl
Concen: 4.71 ng
RT: 13.240 min Scan# 1726
Delta R.T. -0.000 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

Tgt Ion: 172 Resp: 126144
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 24.3 19.6 29.4

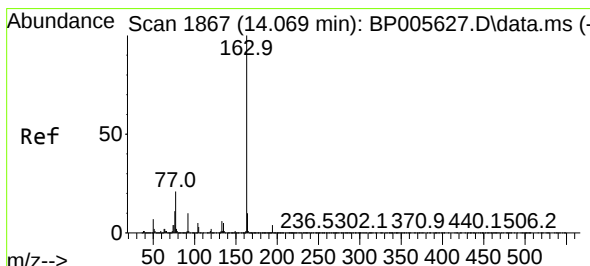
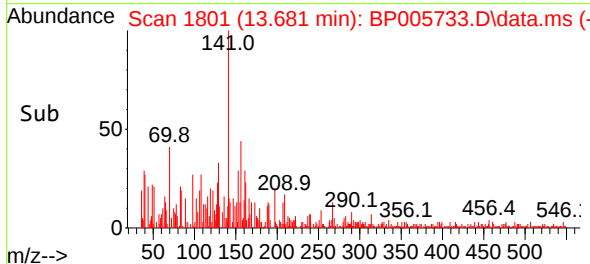
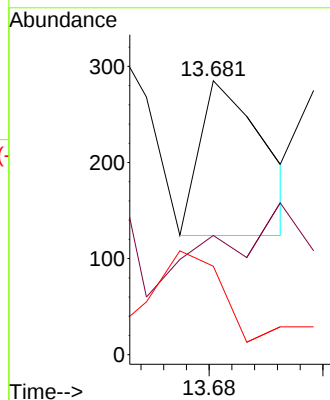
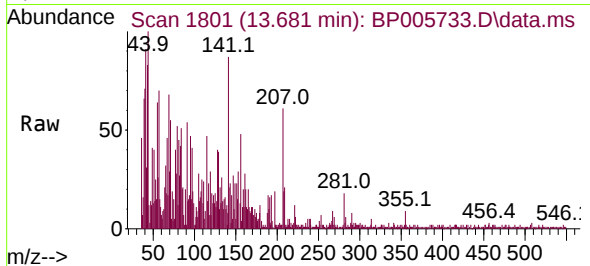




#48
2-Nitroaniline
Concen: 4.51 ng
RT: 13.681 min Scan# 1801
Delta R.T. -0.012 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

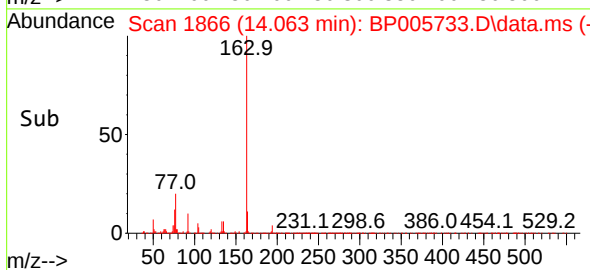
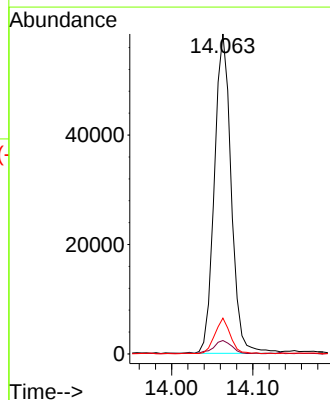
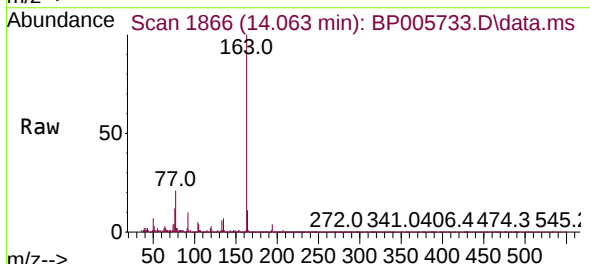
Instrument :
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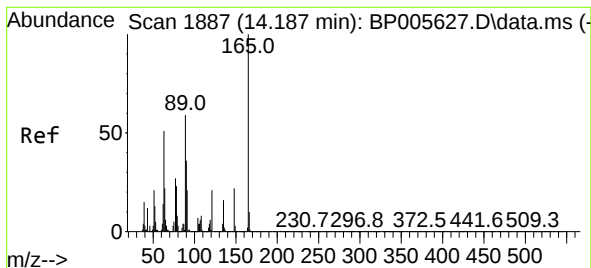
Tgt Ion: 65 Resp: 127
Ion Ratio Lower Upper
65 100
92 43.5 48.8 73.2#
138 32.3 69.5 104.3#



#50
Dimethylphthalate
Concen: 2.99 ng
RT: 14.063 min Scan# 1866
Delta R.T. -0.006 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

Tgt Ion: 163 Resp: 84146
Ion Ratio Lower Upper
163 100
194 4.2 3.9 5.9
164 11.2 8.1 12.1

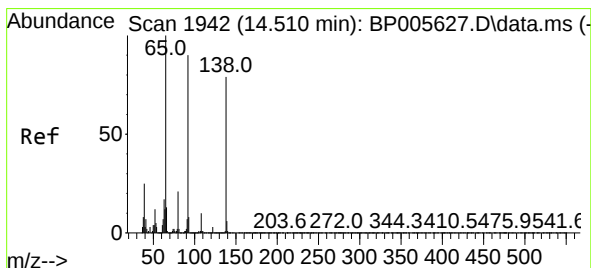
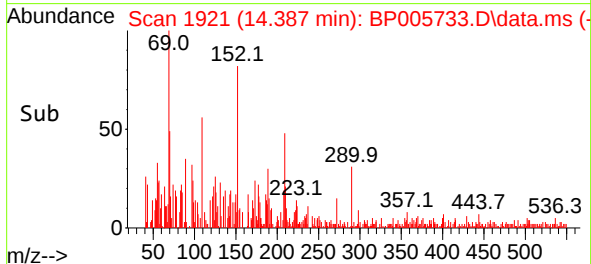
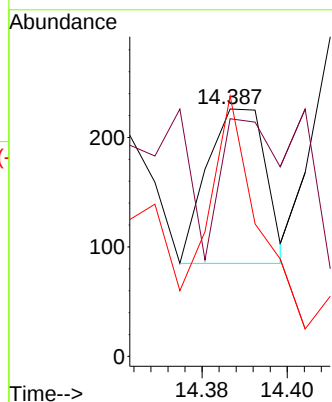
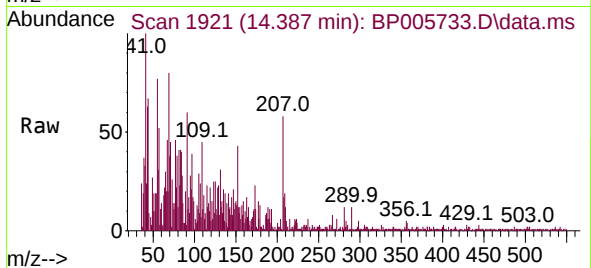




#51
2,6-Dinitrotoluene
Concen: 5.08 ng
RT: 14.387 min Scan# 1921
Delta R.T. 0.200 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

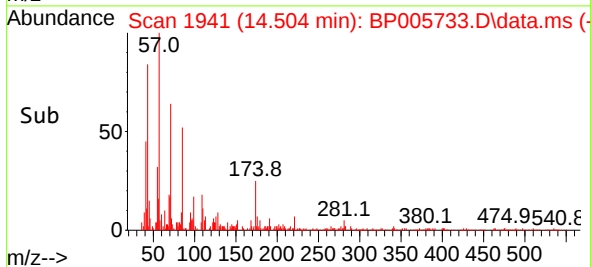
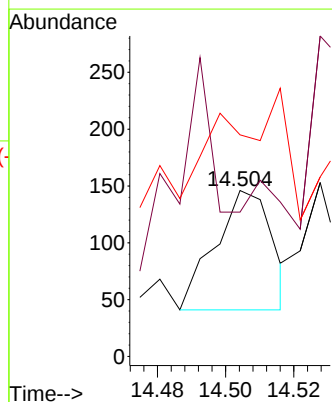
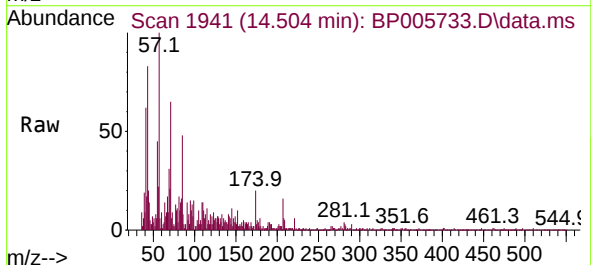
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ClientSampleId :
FOUNDATION-EXCAVATION-SAMP

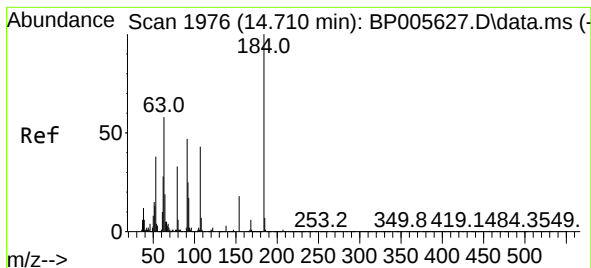
Tgt Ion:165 Resp: 136
Ion Ratio Lower Upper
165 100
63 96.0 67.4 101.0
89 105.3 73.8 110.6



#53
3-Nitroaniline
Concen: 3.67 ng
RT: 14.504 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

Tgt Ion:138 Resp: 122
Ion Ratio Lower Upper
138 100
108 87.0 10.2 15.4#
92 133.6 108.1 162.1

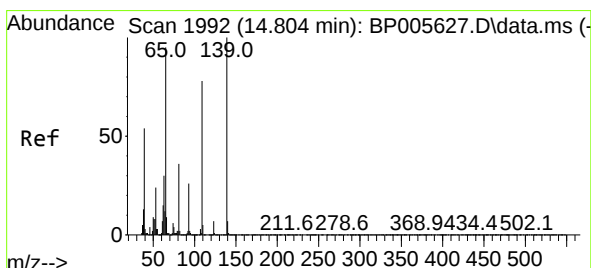
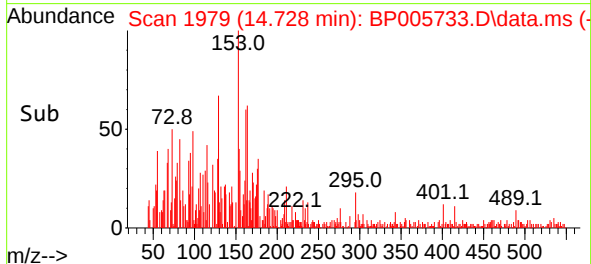
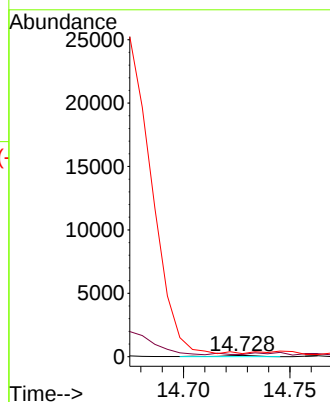
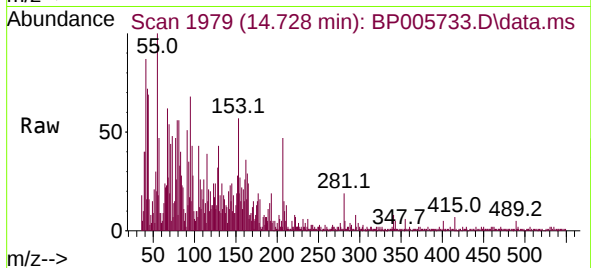




#54
2,4-Dinitrophenol
Concen: 6.56 ng
RT: 14.728 min Scan# 1979
Delta R.T. 0.018 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

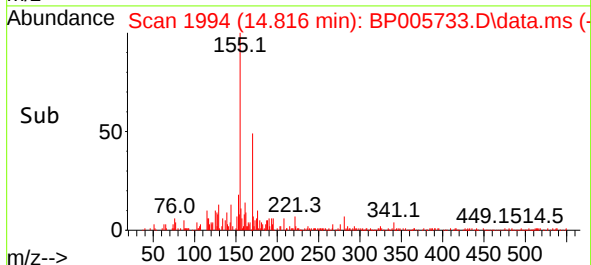
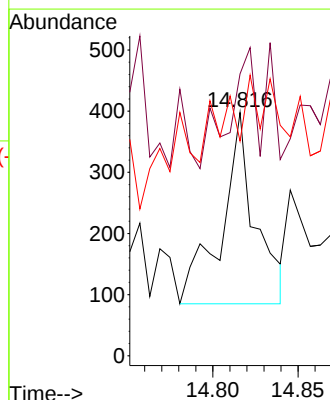
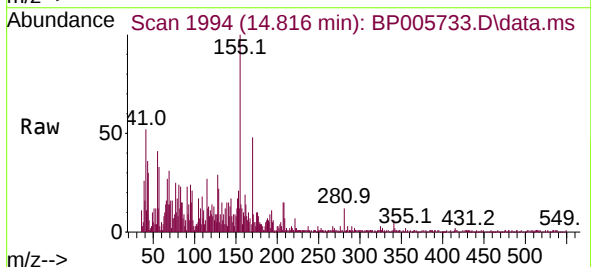
Instrument :
BNA_P
ClientSampleId :
FOUNDATION-EXCAVATION-SAMP

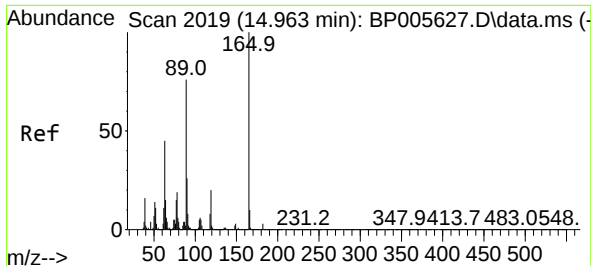
Tgt Ion:184 Resp: 100
Ion Ratio Lower Upper
184 100
63 180.6 51.2 76.8#
154 242.9 55.8 83.8#



#56
4-Nitrophenol
Concen: 3.82 ng
RT: 14.816 min Scan# 1994
Delta R.T. 0.012 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

Tgt Ion:139 Resp: 427
Ion Ratio Lower Upper
139 100
109 97.1 122.8 162.8#
65 73.9 110.0 150.0#

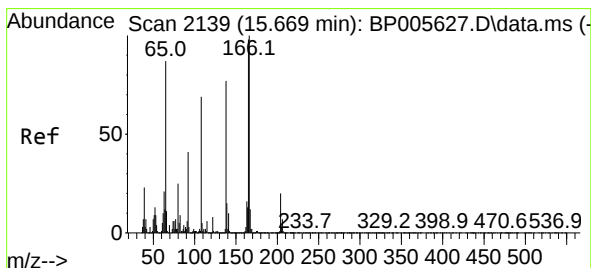
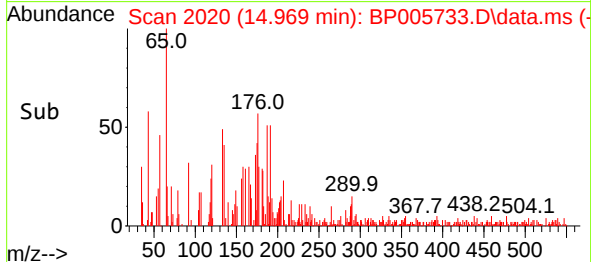
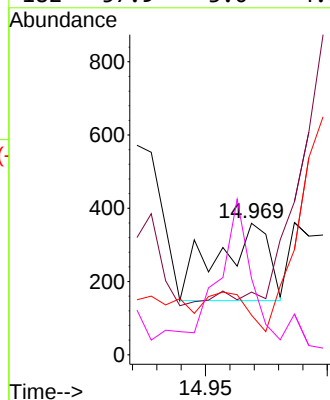
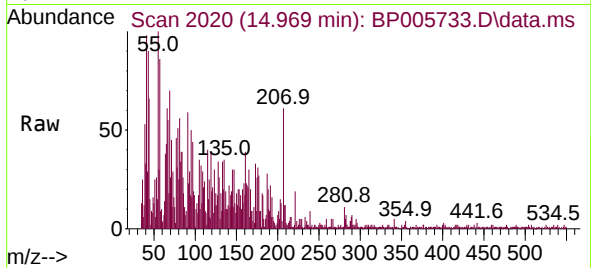




#57
2,4-Dinitrotoluene
Concen: 4.30 ng
RT: 14.969 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

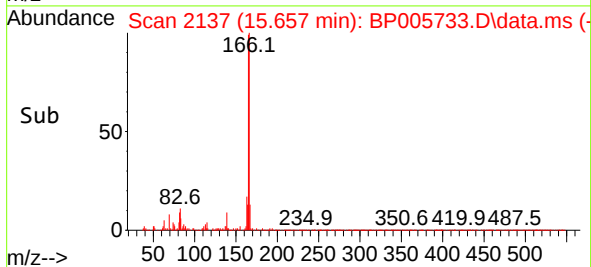
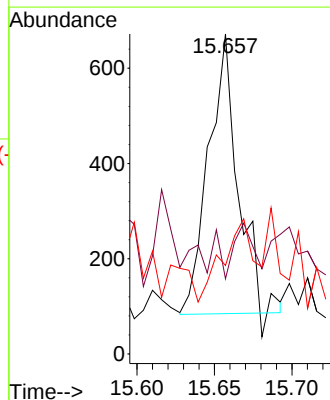
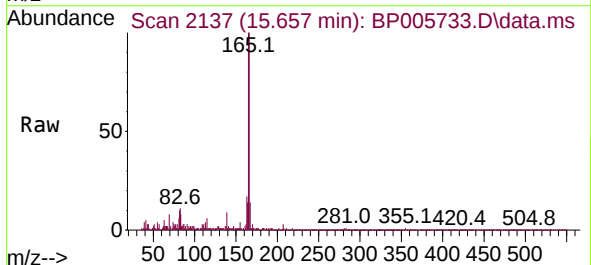
Instrument :
BNA_P
ClientSampleId :
FOUNDATION-EXCAVATION-SAMP

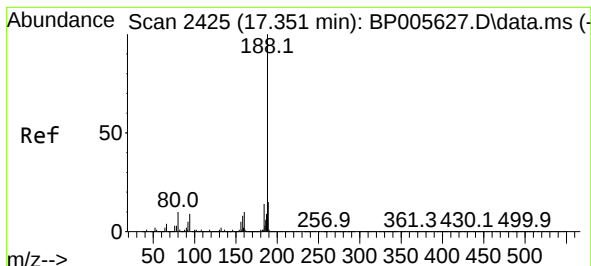
Tgt Ion:165 Resp: 312
Ion Ratio Lower Upper
165 100
63 47.6 56.7 85.1#
89 30.1 85.8 128.6#
182 57.9 3.0 4.6#



#62
4-Nitroaniline
Concen: 3.74 ng
RT: 15.657 min Scan# 2137
Delta R.T. -0.012 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

Tgt Ion:138 Resp: 774
Ion Ratio Lower Upper
138 100
92 23.5 50.9 90.9#
108 27.7 154.7 194.7#

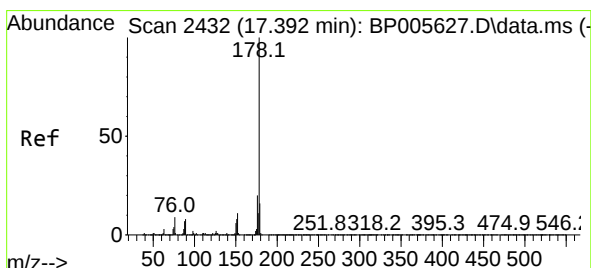
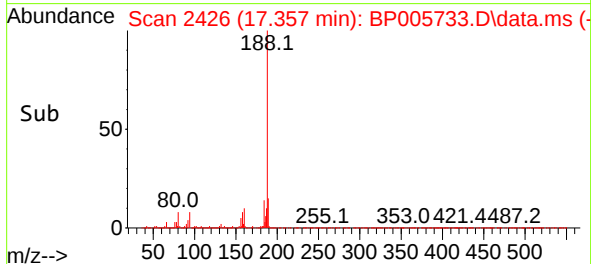
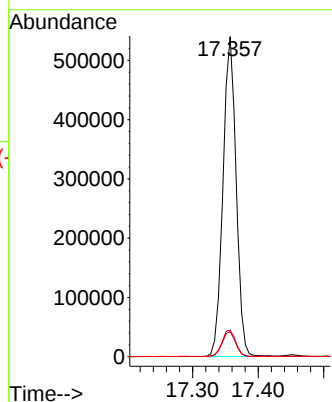
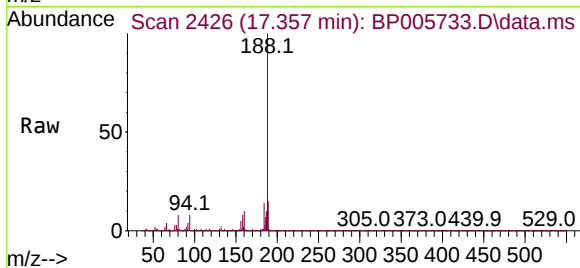




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.357 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

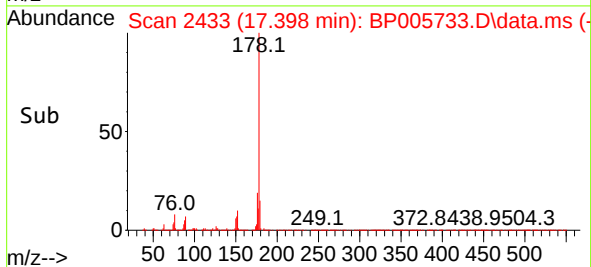
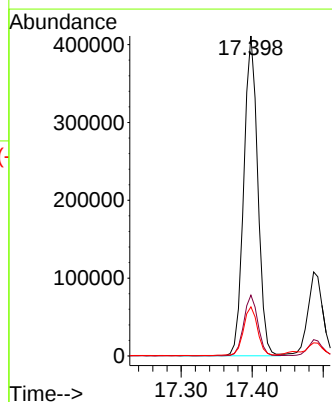
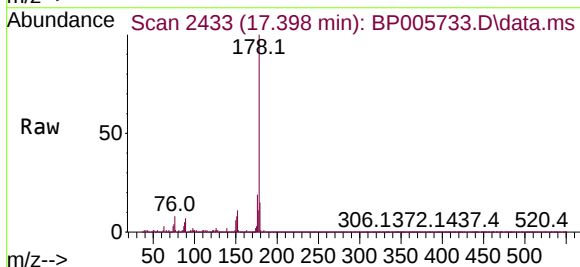
Instrument :
BNA_P
ClientSampleId :
FOUNDATION-EXCAVATION-SAMP

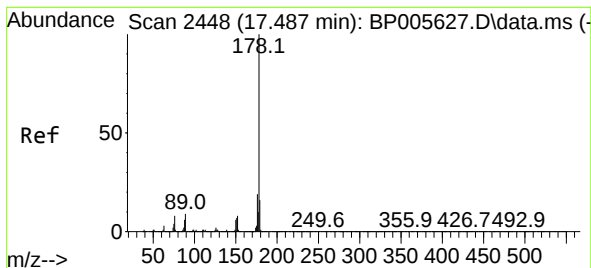
Tgt Ion:188 Resp: 749295
Ion Ratio Lower Upper
188 100
94 7.9 5.0 7.6#
80 8.3 5.9 8.9



#71
Phenanthrene
Concen: 12.08 ng
RT: 17.398 min Scan# 2433
Delta R.T. 0.006 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

Tgt Ion:178 Resp: 563794
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.4 12.3 18.5





#72

Anthracene

Concen: 3.26 ng

RT: 17.486 min Scan# 2448

Delta R.T. -0.000 min

Lab File: BP005733.D

Acq: 05 Jun 2021 03:21

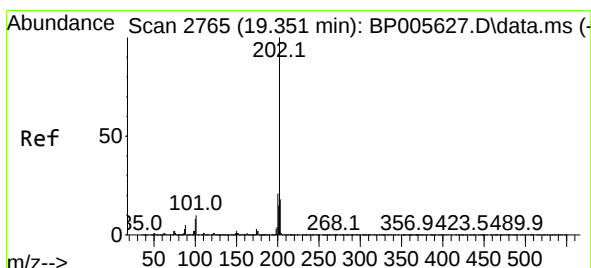
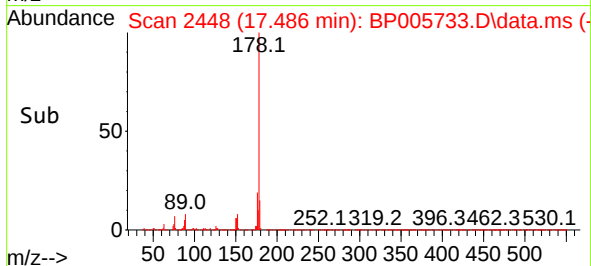
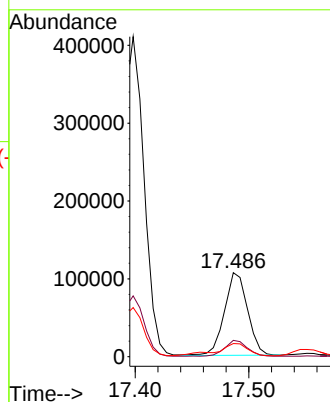
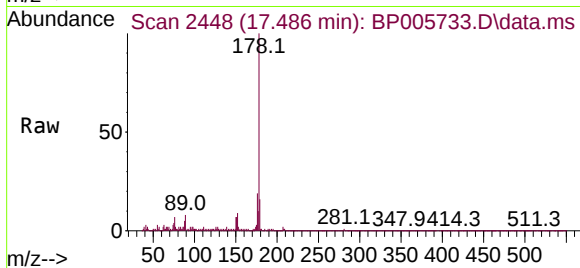
Instrument :

BNA_P

ClientSampleId :

FOUNDATION-EXCAVATION-SAMP

Tgt Ion:178	Resp: 150154
Ion Ratio	Lower Upper
178	100
176	19.4 15.2 22.8
179	15.7 12.6 19.0



#75

Fluoranthene

Concen: 15.92 ng

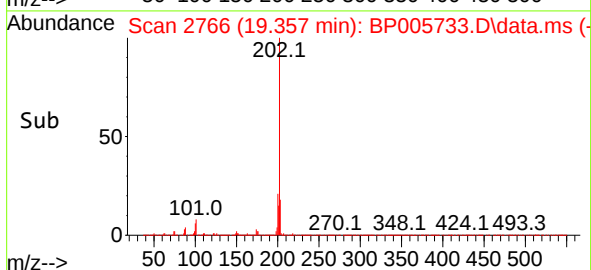
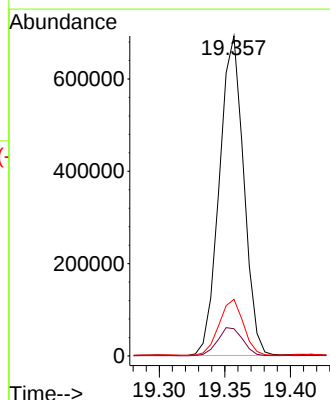
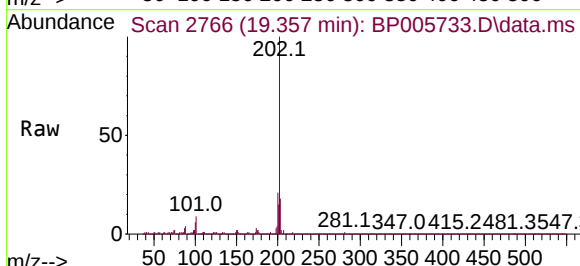
RT: 19.357 min Scan# 2766

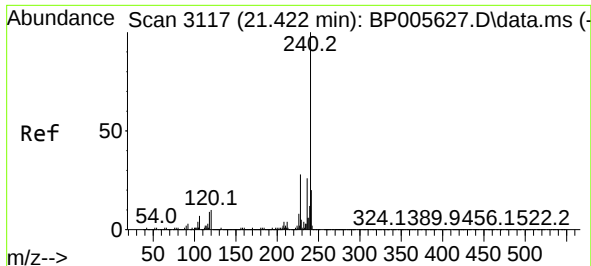
Delta R.T. 0.006 min

Lab File: BP005733.D

Acq: 05 Jun 2021 03:21

Tgt Ion:202	Resp: 891864
Ion Ratio	Lower Upper
202	100
101	8.5 0.0 26.1
203	17.7 0.0 37.2

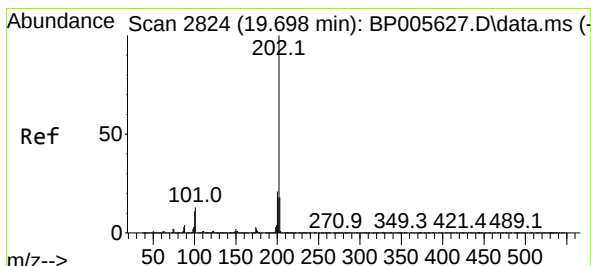
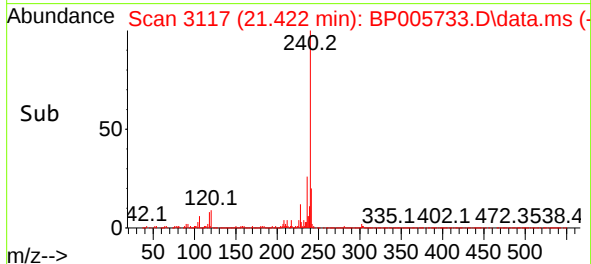
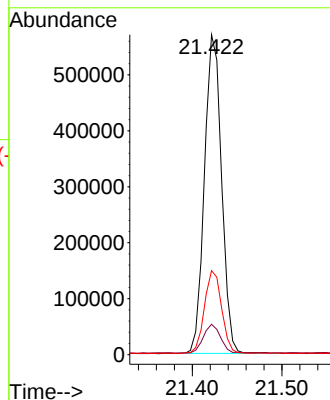
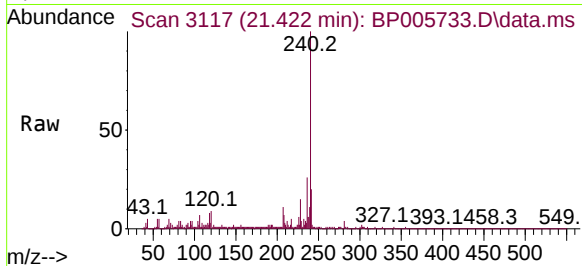




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.000 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

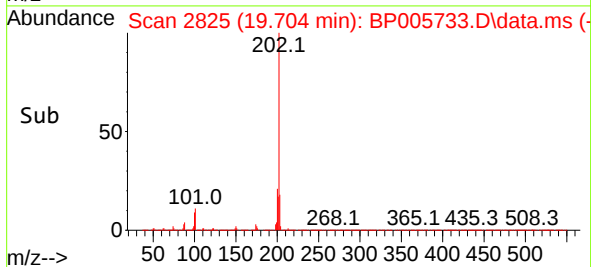
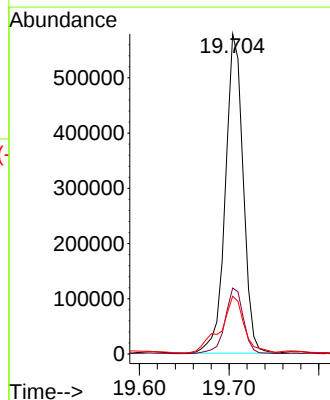
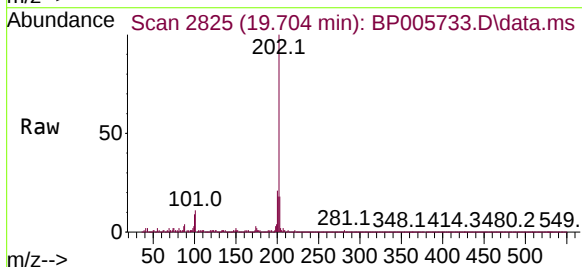
Instrument :
BNA_P
ClientSampleId :
FOUNDATION-EXCAVATION-SAMP

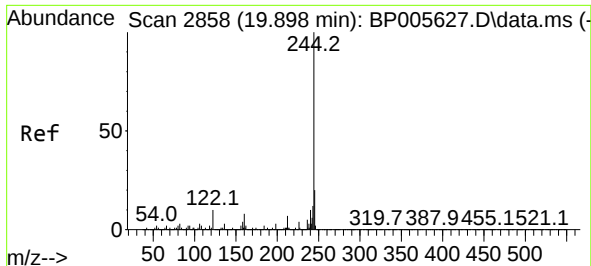
Tgt Ion:240 Resp: 754572
Ion Ratio Lower Upper
240 100
120 9.5 4.2 6.2#
236 26.2 20.2 30.2



#78
Pyrene
Concen: 14.94 ng
RT: 19.704 min Scan# 2825
Delta R.T. 0.006 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

Tgt Ion:202 Resp: 795477
Ion Ratio Lower Upper
202 100
200 20.6 16.9 25.3
203 18.1 13.8 20.6

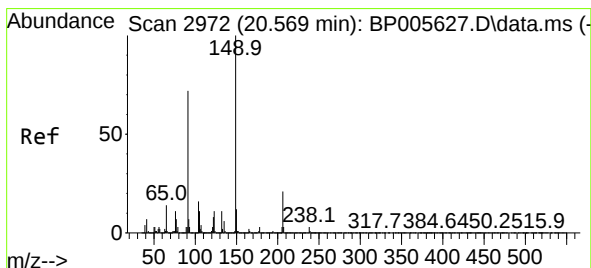
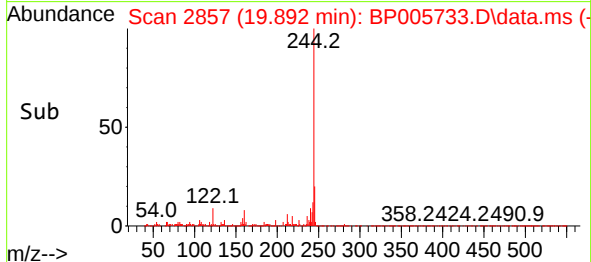
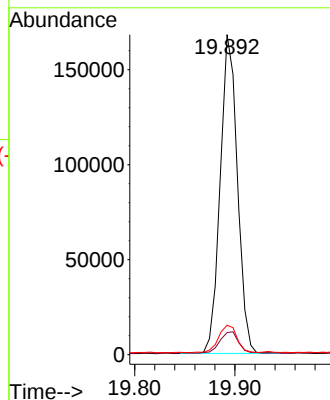
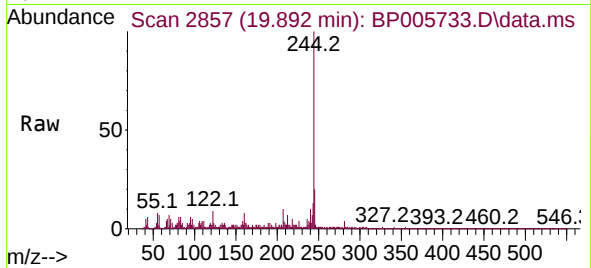




#79
 Terphenyl-d14
 Concen: 4.97 ng
 RT: 19.892 min Scan# 2857
 Delta R.T. -0.006 min
 Lab File: BP005733.D
 Acq: 05 Jun 2021 03:21

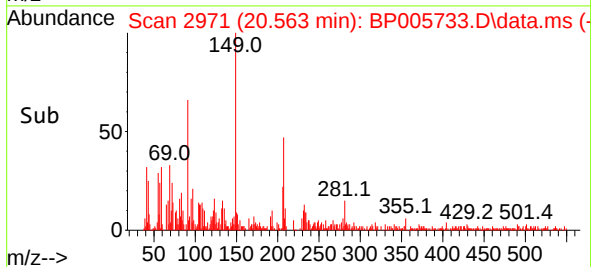
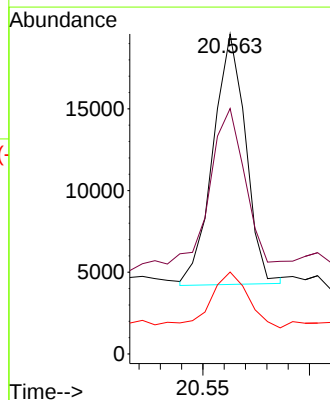
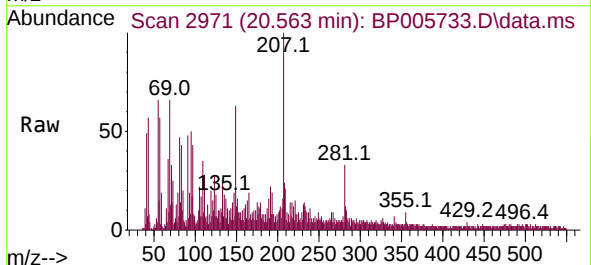
Instrument :
 BNA_P
 ClientSampleId :
 FOUNDATION-EXCAVATION-SAMP

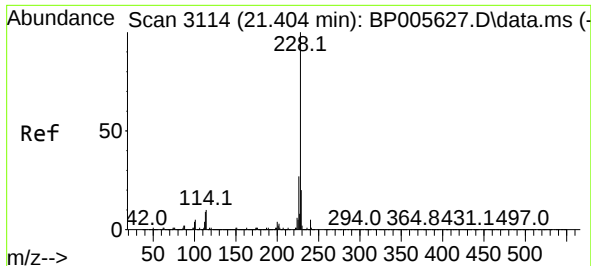
Tgt Ion:	244	Resp:	199747
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.8	8.6
122	9.2	5.2	7.8#



#80
 Butylbenzylphthalate
 Concen: 4.82 ng
 RT: 20.563 min Scan# 2971
 Delta R.T. -0.006 min
 Lab File: BP005733.D
 Acq: 05 Jun 2021 03:21

Tgt Ion:	149	Resp:	16311
Ion Ratio	Lower	Upper	
149	100		
91	76.7	60.2	90.4
206	25.6	23.9	35.9

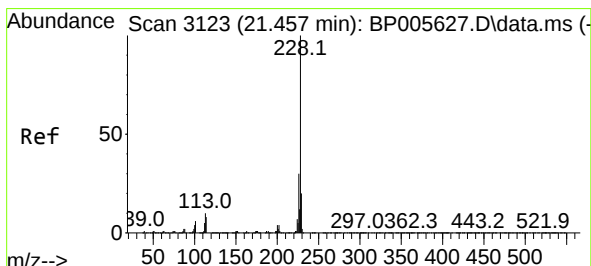
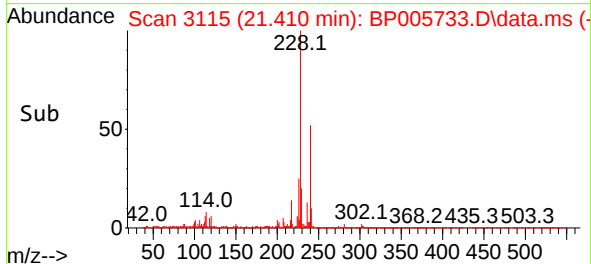
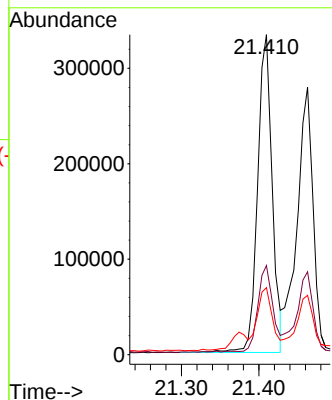
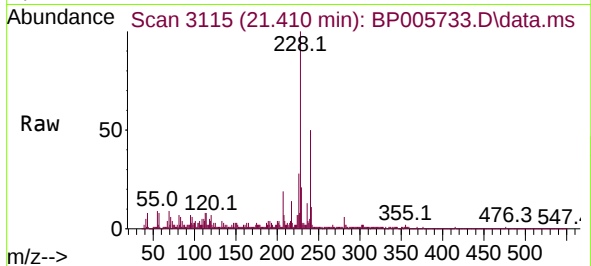




#81
Benzo(a)anthracene
Concen: 7.82 ng
RT: 21.410 min Scan# 3115
Delta R.T. 0.006 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

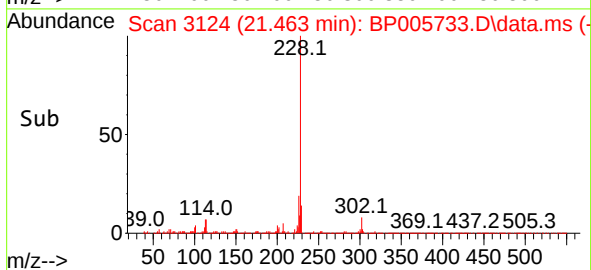
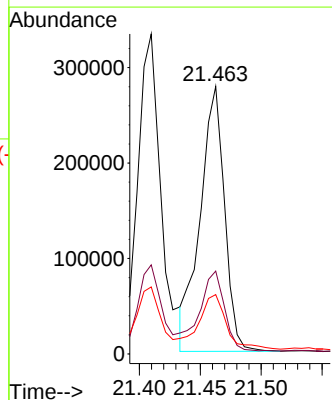
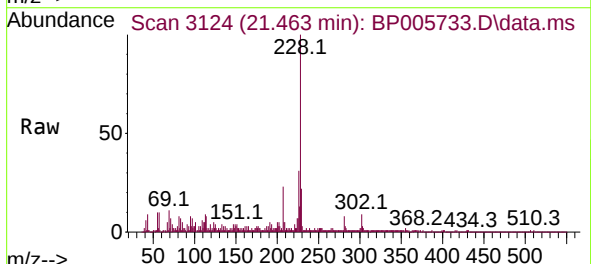
Instrument :
BNA_P
ClientSampleId :
FOUNDATION-EXCAVATION-SAMP

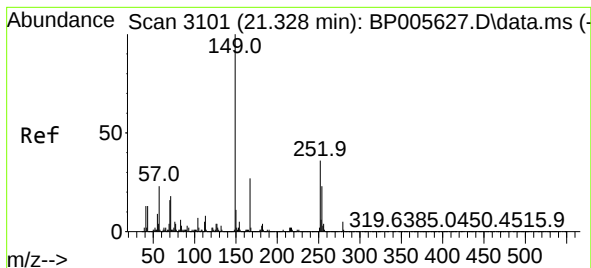
Tgt Ion:228 Resp: 432988
Ion Ratio Lower Upper
228 100
226 27.8 21.2 31.8
229 21.0 15.6 23.4



#83
Chrysene
Concen: 7.22 ng
RT: 21.463 min Scan# 3124
Delta R.T. 0.006 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

Tgt Ion:228 Resp: 387415
Ion Ratio Lower Upper
228 100
226 31.0 24.8 37.2
229 22.2 15.4 23.0

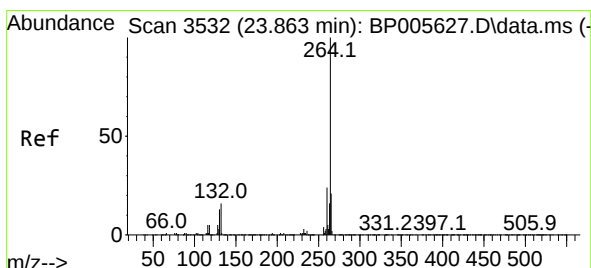
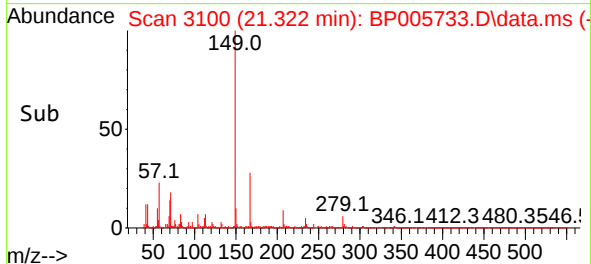
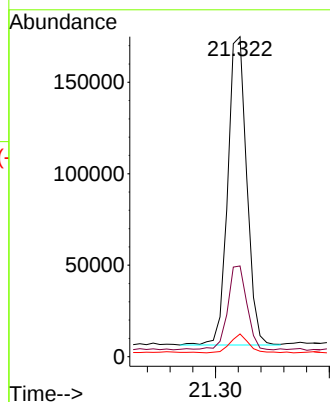
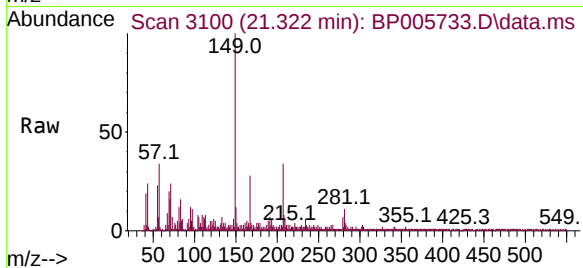




#84
Bis(2-ethylhexyl)phthalate
Concen: 6.49 ng
RT: 21.322 min Scan# 3100
Delta R.T. -0.006 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

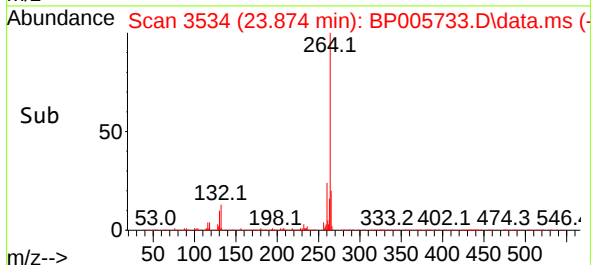
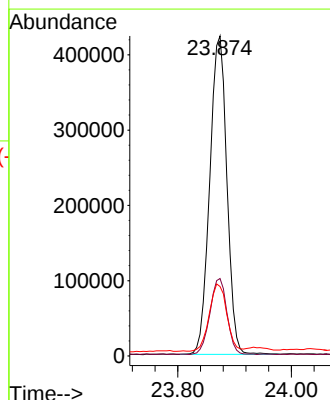
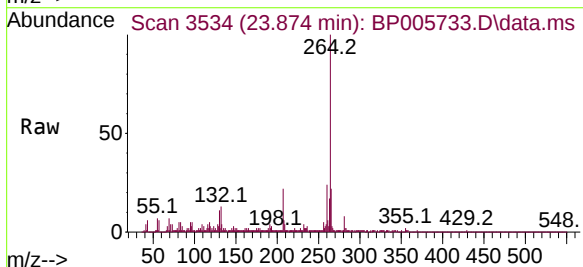
Instrument :
BNA_P
ClientSampleId :
FOUNDATION-EXCAVATION-SAMP

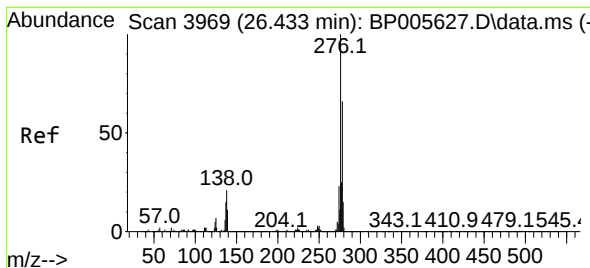
Tgt Ion:149 Resp: 195213
Ion Ratio Lower Upper
149 100
167 28.4 23.8 35.8
279 7.1 5.7 8.5



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.874 min Scan# 3534
Delta R.T. 0.012 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

Tgt Ion:264 Resp: 883084
Ion Ratio Lower Upper
264 100
260 24.2 20.6 30.8
265 21.7 19.0 28.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.92 ng

RT: 26.445 min Scan# 3971

Delta R.T. 0.012 min

Lab File: BP005733.D

Acq: 05 Jun 2021 03:21

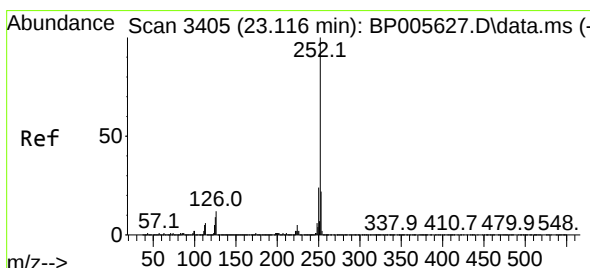
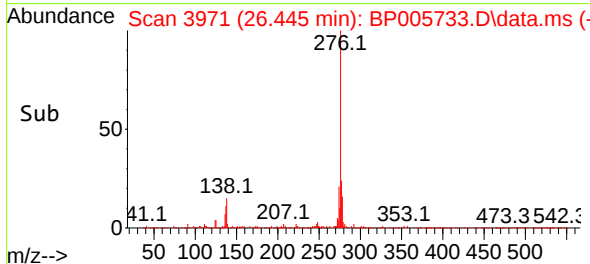
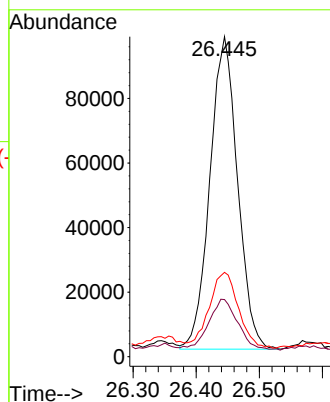
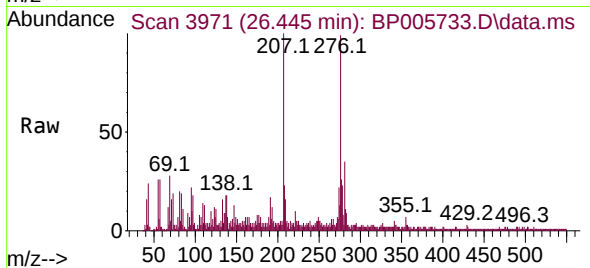
Instrument :

BNA_P

ClientSampleId :

FOUNDATION-EXCAVATION-SAMP

Tgt Ion:	276	Resp:	294793
Ion Ratio	Lower	Upper	
276	100		
138	17.3	8.4	12.6#
277	25.4	20.6	31.0



#88

Benzo(b)fluoranthene

Concen: 8.95 ng

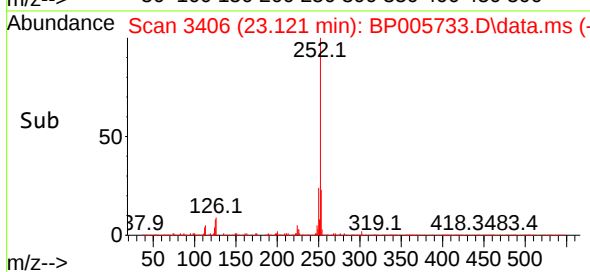
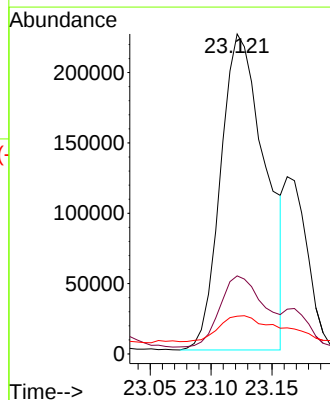
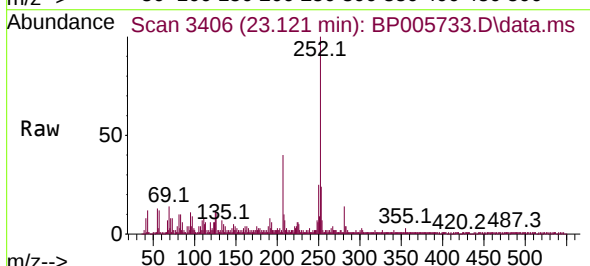
RT: 23.121 min Scan# 3406

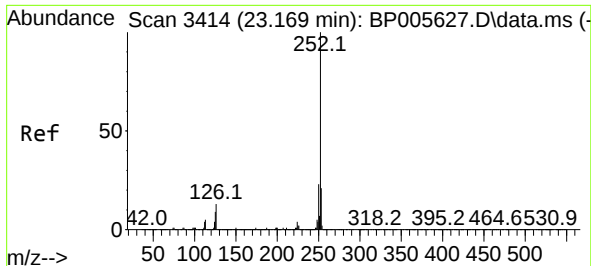
Delta R.T. 0.006 min

Lab File: BP005733.D

Acq: 05 Jun 2021 03:21

Tgt Ion:	252	Resp:	573306
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.2	27.2
125	11.8	3.4	5.0#

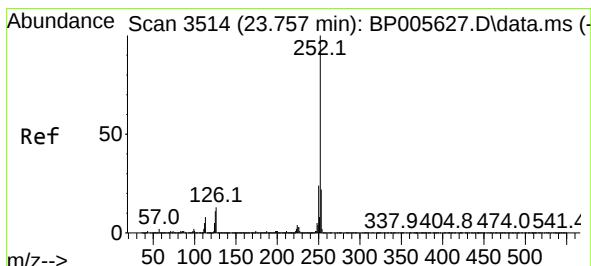
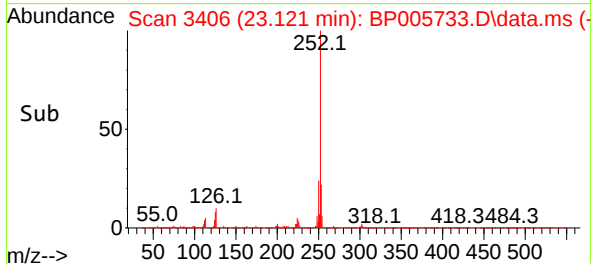
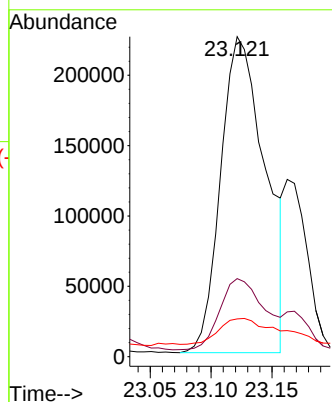
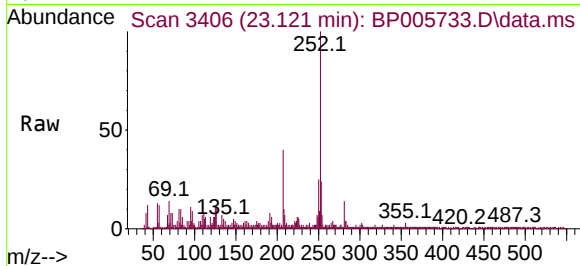




#89
Benzo(k)fluoranthene
Concen: 9.44 ng
RT: 23.121 min Scan# 3406
Delta R.T. -0.047 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

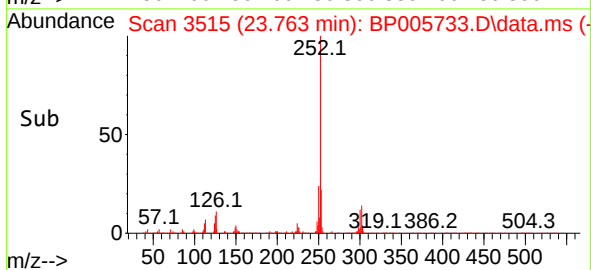
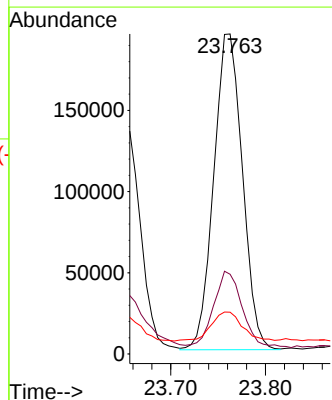
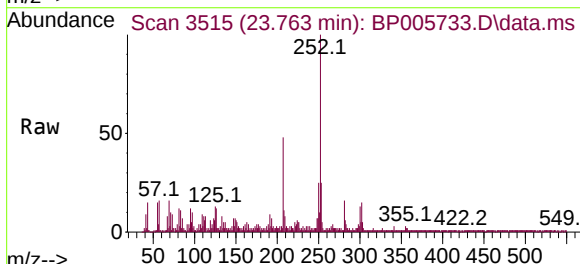
Instrument :
BNA_P
ClientSampleId :
FOUNDATION-EXCAVATION-SAMP

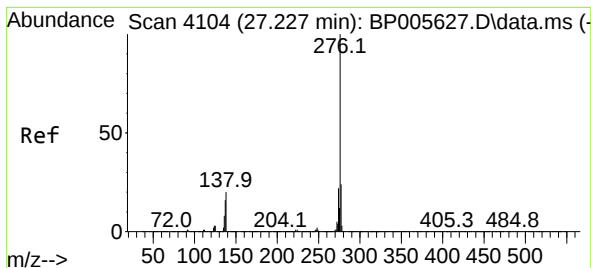
Tgt Ion:252 Resp: 573306
Ion Ratio Lower Upper
252 100
253 24.4 17.2 25.8
125 11.8 3.8 5.6#



#90
Benzo(a)pyrene
Concen: 7.02 ng
RT: 23.763 min Scan# 3515
Delta R.T. 0.006 min
Lab File: BP005733.D
Acq: 05 Jun 2021 03:21

Tgt Ion:252 Resp: 408970
Ion Ratio Lower Upper
252 100
253 24.9 17.1 25.7
125 13.0 3.8 5.6#





#92

Benzo(g,h,i)perylene

Concen: 4.45 ng

RT: 27.245 min Scan# 4107

Delta R.T. 0.017 min

Lab File: BP005733.D

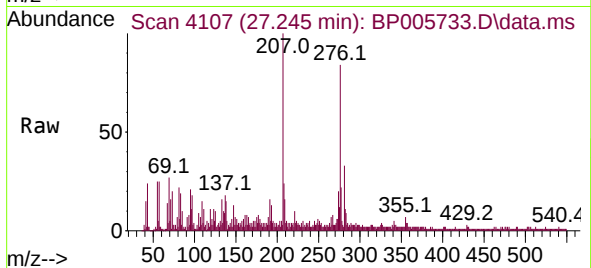
Acq: 05 Jun 2021 03:21

Instrument :

BNA_P

ClientSampleId :

FOUNDATION-EXCAVATION-SAMP



Tgt Ion:276 Resp: 280163

Ion Ratio Lower Upper

276 100

277 26.8 19.8 29.8

138 18.3 7.7 11.5#

