

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
 Data File : BP004592.D
 Acq On : 16 Jan 2021 00:00
 Operator : CG/JU
 Sample : M1156-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VCP-EXC-SOIL

Quant Time: Jan 16 02:21:30 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 12 15:19:32 2021
 Response via : Initial Calibration

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

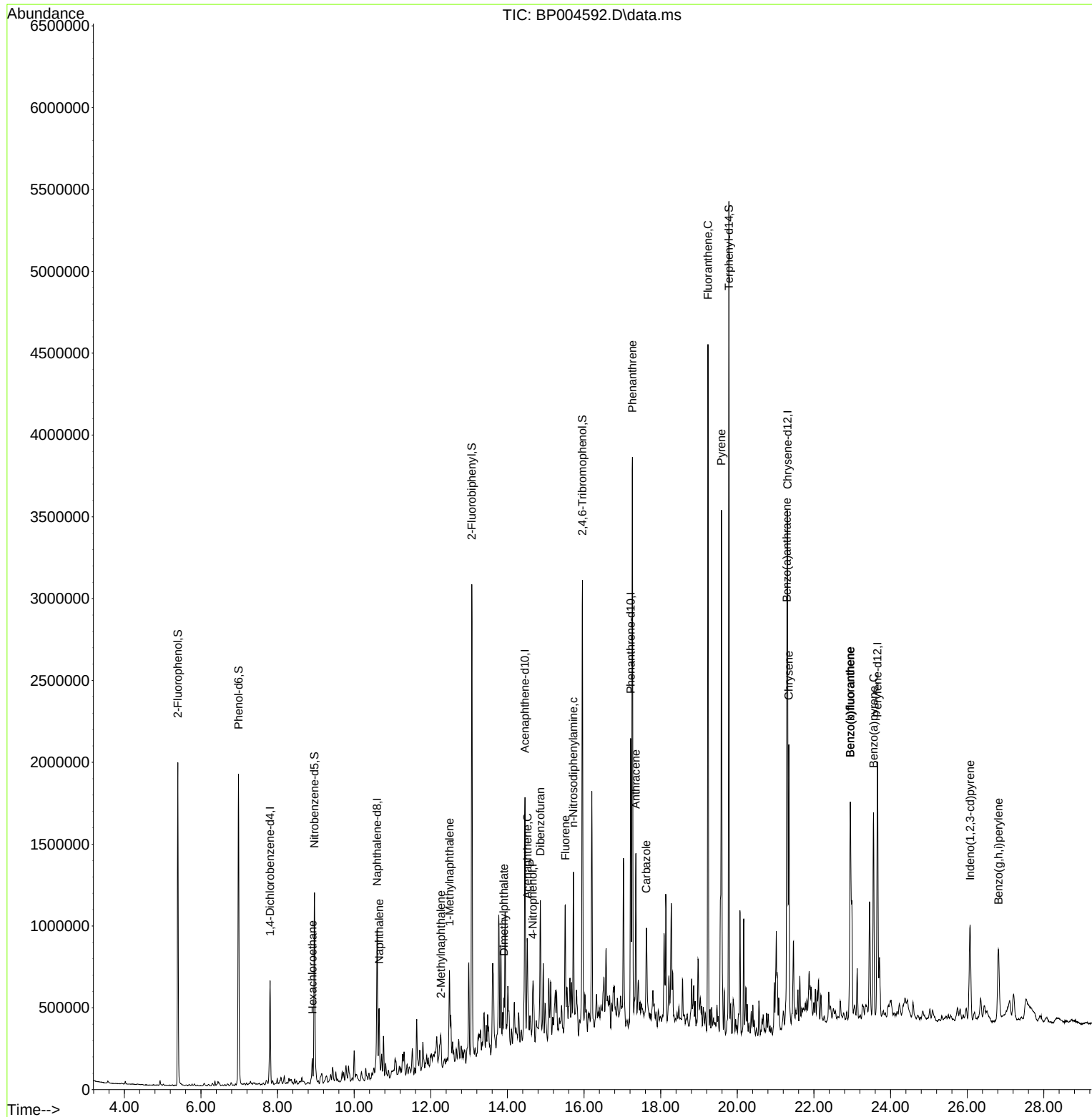
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	191804	20.00	ng	-0.01
21) Naphthalene-d8	10.599	136	761512	20.00	ng	#-0.01
39) Acenaphthene-d10	14.457	164	481068	20.00	ng	-0.01
64) Phenanthrene-d10	17.216	188	1040656	20.00	ng	-0.01
76) Chrysene-d12	21.310	240	1155895	20.00	ng	-0.01
86) Perylene-d12	23.657	264	1232689	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1025318	93.17	ng	0.00
7) Phenol-d6	6.981	99	1289054	85.52	ng	0.00
23) Nitrobenzene-d5	8.963	82	713650	52.98	ng	-0.01
42) 2,4,6-Tribromophenol	15.957	330	621540	74.31	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	1638465	44.28	ng	-0.01
79) Terphenyl-d14	19.780	244	2225257	35.17	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.981	77	3222	Below Cal	#	10
18) Hexachloroethane	8.910	117	15892	2.94	ng	# 1
31) Naphthalene	10.651	128	295391	7.06	ng	98
32) Benzoic acid	9.922	122	251	Below Cal	#	48
37) 2-Methylnaphthalene	12.269	142	72696	2.36	ng	98
38) 1-Methylnaphthalene	12.487	142	268413	9.19	ng	100
41) Hexachlorocyclopentadiene	12.628	237	26	Below Cal		89
50) Dimethylphthalate	13.904	163	171974	4.31	ng	# 98
52) Acenaphthene	14.522	154	204647	7.06	ng	99
54) 2,4-Dinitrophenol	14.569	184	212	Below Cal	#	1
55) Dibenzofuran	14.857	168	187254	3.99	ng	# 85
56) 4-Nitrophenol	14.663	139	16828	2.62	ng	# 76
58) Fluorene	15.510	166	305329	8.15	ng	98
66) n-Nitrosodiphenylamine	15.722	169	83936	2.60	ng	# 61
71) Phenanthrene	17.263	178	2243414	37.60	ng	100
72) Anthracene	17.351	178	669463	11.58	ng	99
73) Carbazole	17.622	167	253662	4.71	ng	95
75) Fluoranthene	19.233	202	2492485	34.33	ng	100
78) Pyrene	19.586	202	2058166	26.17	ng	99
81) Benzo(a)anthracene	21.292	228	1154090	14.68	ng	98
83) Chrysene	21.345	228	983524	13.14	ng	97
87) Indeno(1,2,3-cd)pyrene	26.074	276	619180	6.51	ng	# 94
88) Benzo(b)fluoranthene	22.951	252	1735261	21.75	ng	99
89) Benzo(k)fluoranthene	22.951	252	1735261	22.80	ng	99
90) Benzo(a)pyrene	23.557	252	987539	13.27	ng	96
92) Benzo(g,h,i)perylene	26.815	276	590295	7.64	ng	97

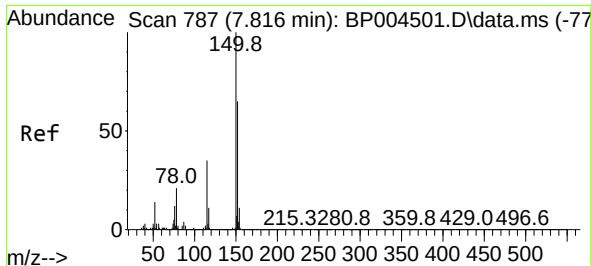
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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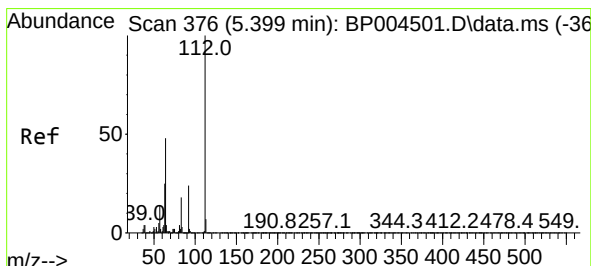
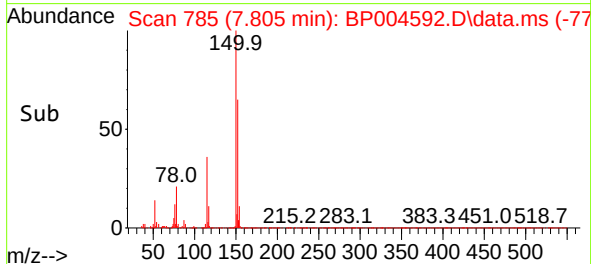
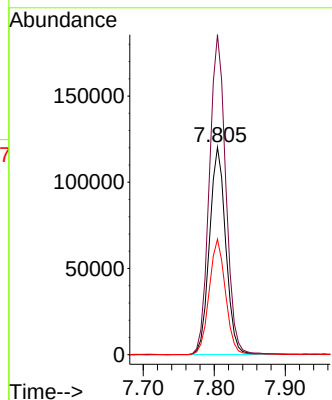
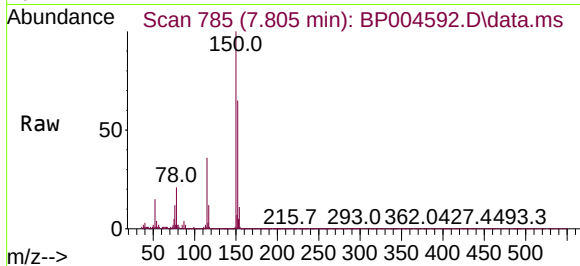




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.805 min Scan# 785
Delta R.T. -0.011 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

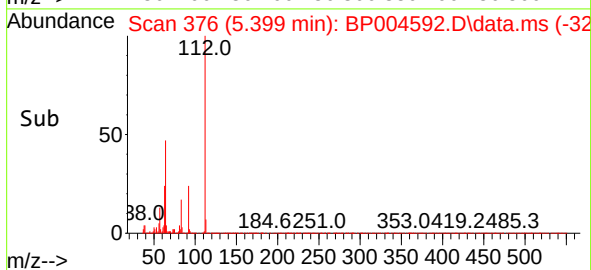
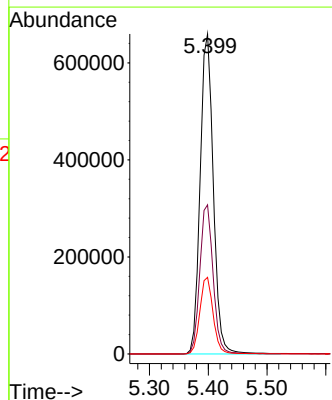
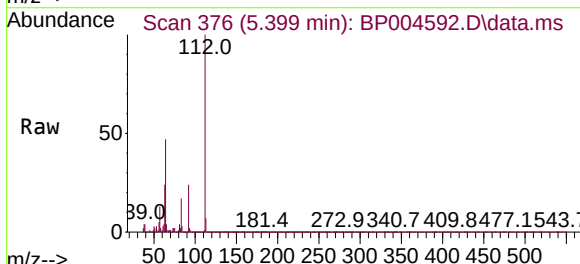
Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL

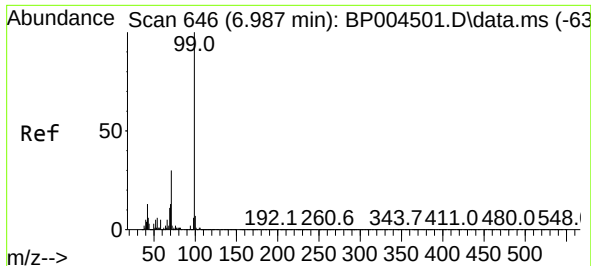
Tgt Ion:152 Resp: 191804
Ion Ratio Lower Upper
152 100
150 154.2 123.8 185.6
115 55.6 43.8 65.6



#5
2-Fluorophenol
Concen: 93.17 ng
RT: 5.399 min Scan# 376
Delta R.T. -0.000 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:112 Resp: 1025318
Ion Ratio Lower Upper
112 100
64 46.6 32.8 49.2
63 23.9 17.0 25.4

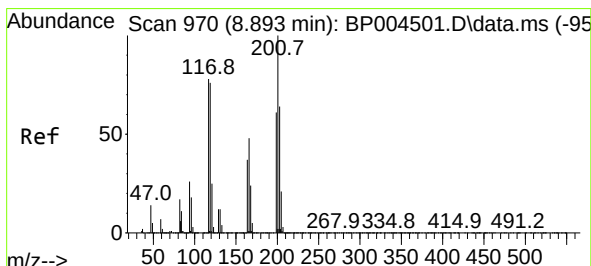
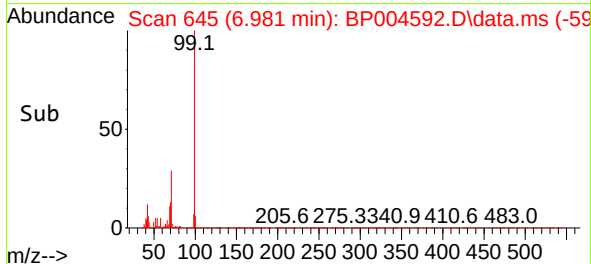
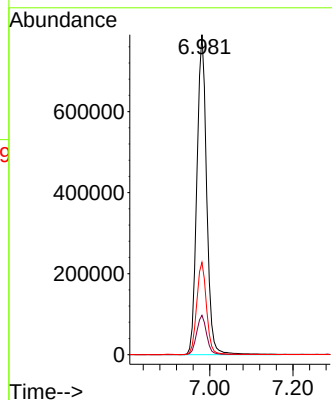
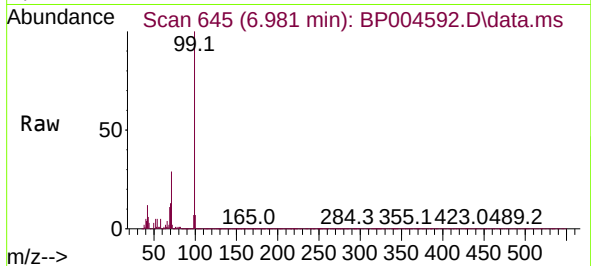




#7
Phenol-d6
Concen: 85.52 ng
RT: 6.981 min Scan# 645
Delta R.T. -0.006 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

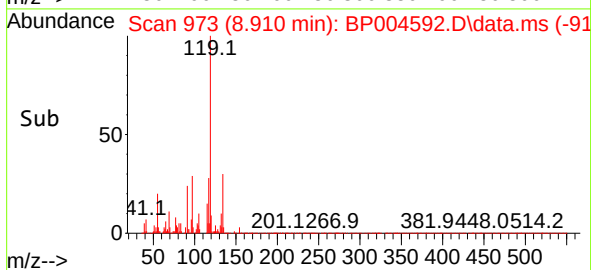
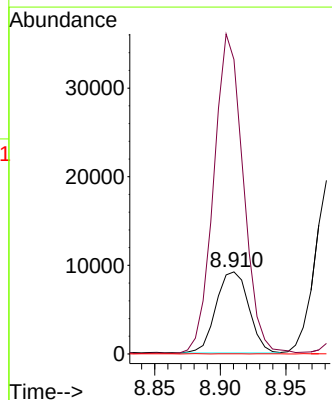
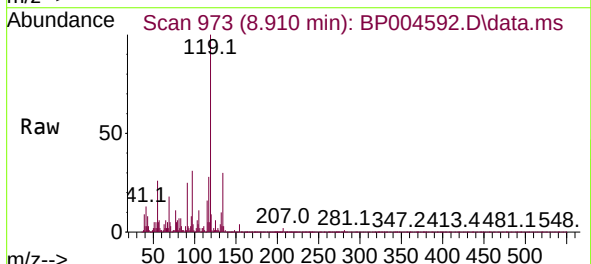
Instrument :
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ClientSampleId :
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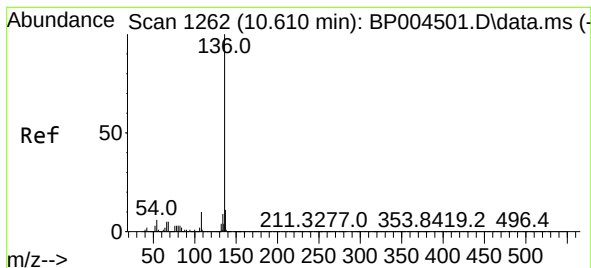
Tgt Ion: 99 Resp: 1289054
Ion Ratio Lower Upper
99 100
42 12.3 8.6 13.0
71 28.9 23.4 35.2



#18
Hexachloroethane
Concen: 2.94 ng
RT: 8.910 min Scan# 973
Delta R.T. 0.018 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion: 117 Resp: 15892
Ion Ratio Lower Upper
117 100
119 358.5 78.8 118.2#
201 0.2 92.3 138.5#

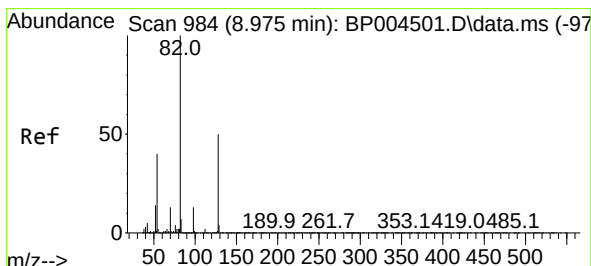
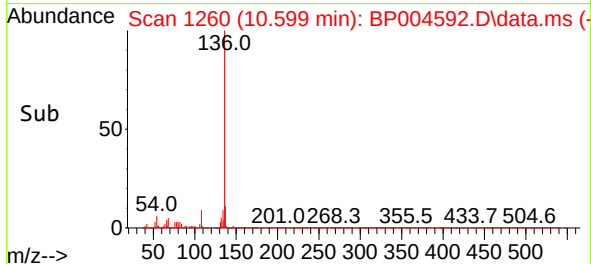
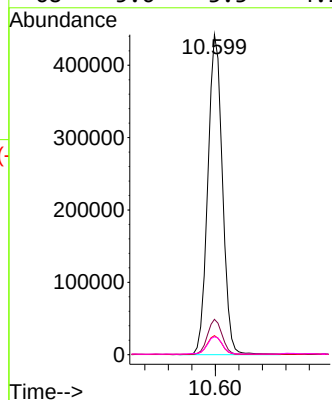
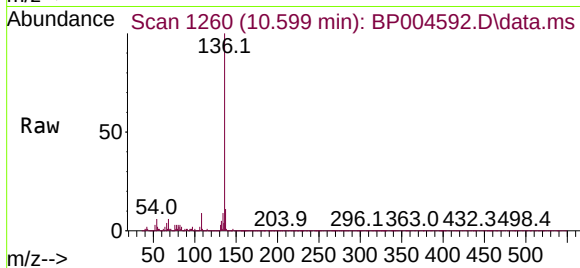




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.599 min Scan# 1260
Delta R.T. -0.011 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

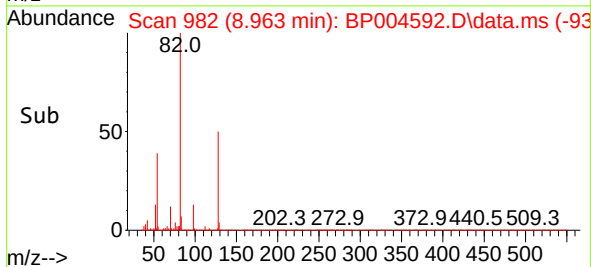
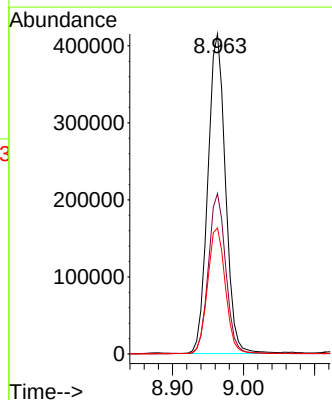
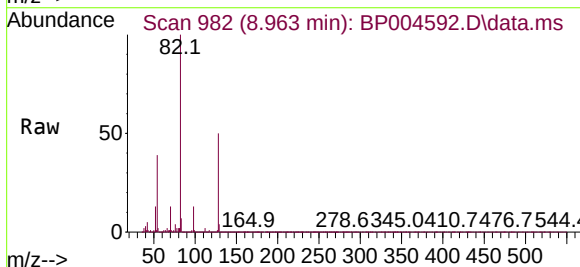
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ClientSampleId :
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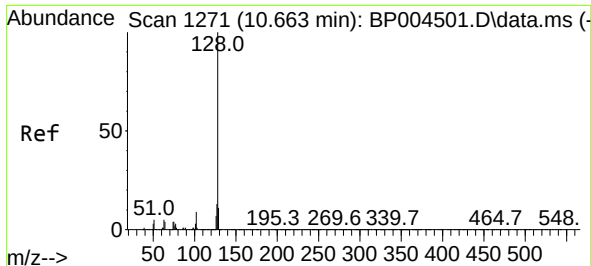
Tgt Ion:	136	Resp:	761512
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	5.9	3.6	5.4#
68	5.6	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 52.98 ng
RT: 8.963 min Scan# 982
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:	82	Resp:	713650
Ion	Ratio	Lower	Upper
82	100		
128	50.1	45.6	68.4
54	39.4	30.1	45.1

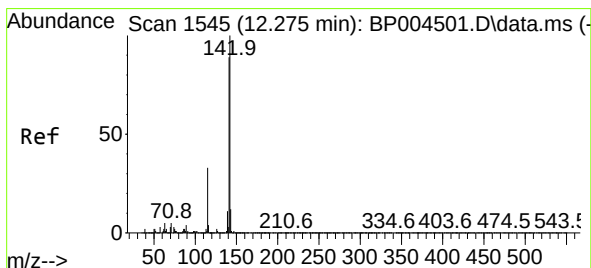
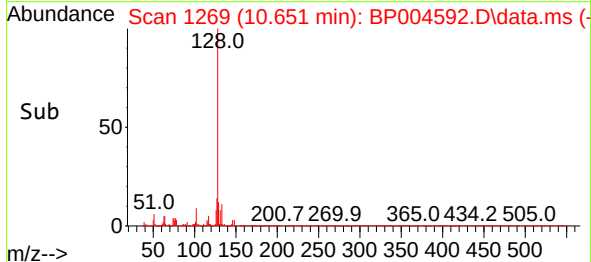
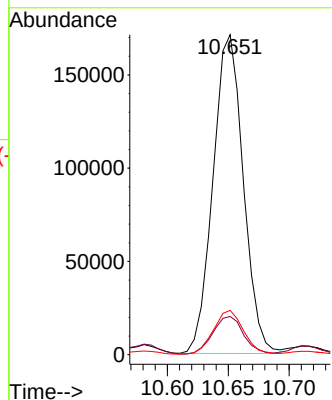
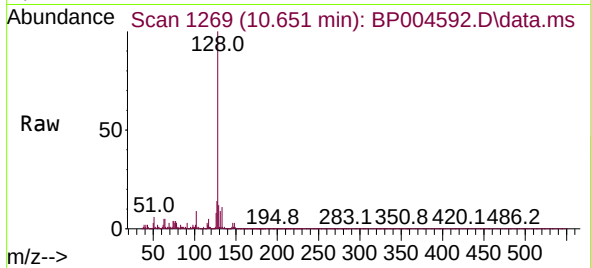




#31
Naphthalene
Concen: 7.06 ng
RT: 10.651 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

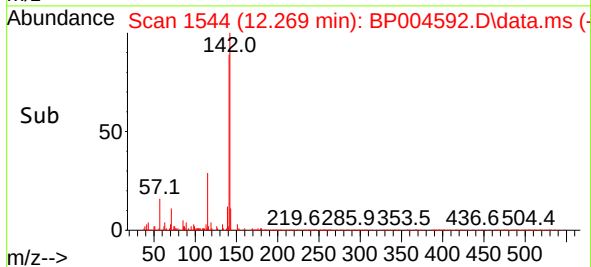
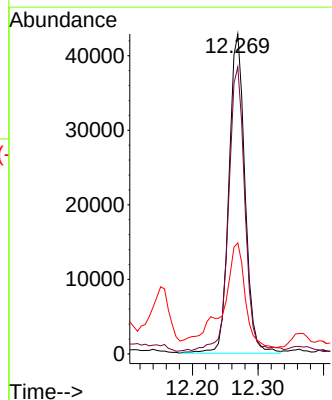
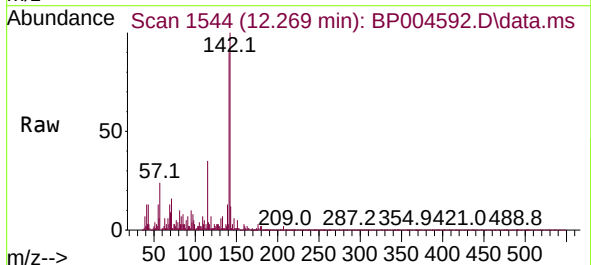
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ClientSampleId :
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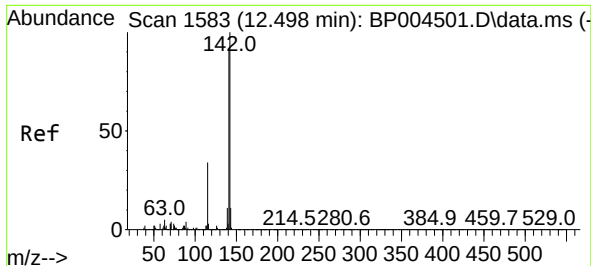
Tgt Ion:	128	Resp:	295391
Ion Ratio	Lower	Upper	
128	100		
129	12.0	8.8	13.2
127	13.9	10.6	15.8



#37
2-Methylnaphthalene
Concen: 2.36 ng
RT: 12.269 min Scan# 1544
Delta R.T. -0.006 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:	142	Resp:	72696
Ion Ratio	Lower	Upper	
142	100		
141	89.7	71.4	107.2
115	34.7	25.8	38.6

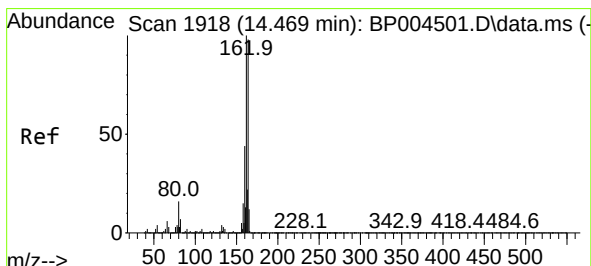
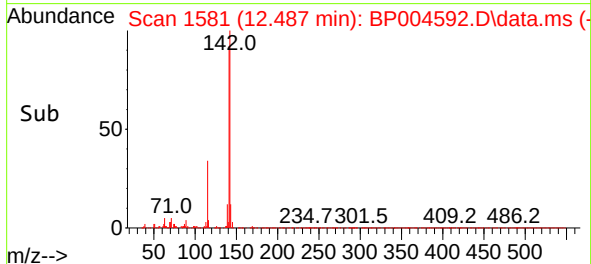
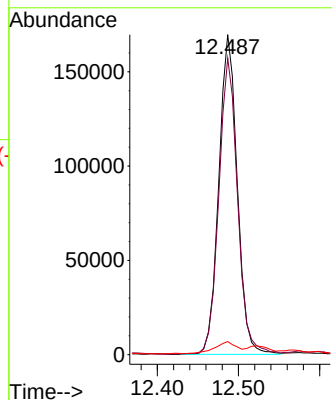
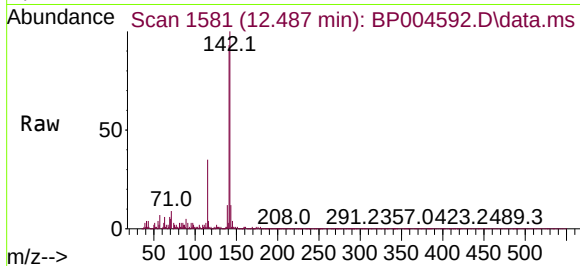




#38
1-Methylnaphthalene
Concen: 9.19 ng
RT: 12.487 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

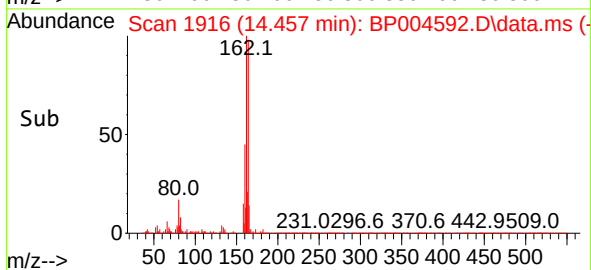
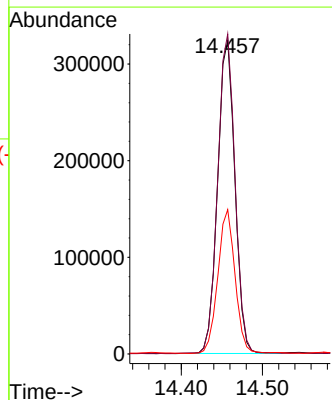
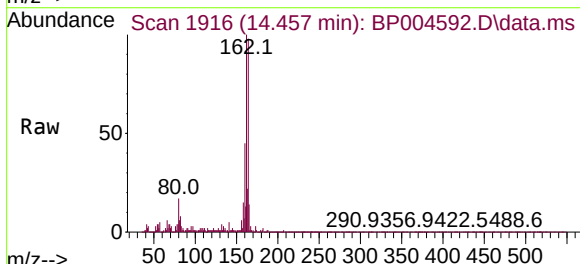
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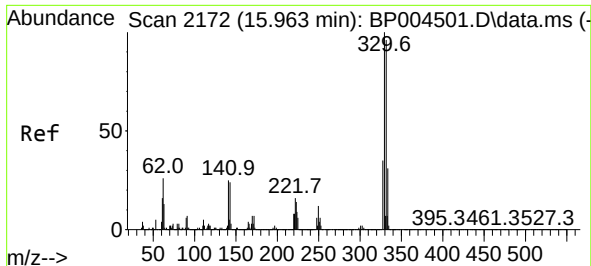
Tgt Ion:142 Resp: 268413
Ion Ratio Lower Upper
142 100
141 92.6 74.4 111.6
116 4.1 2.9 4.3



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.457 min Scan# 1916
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:164 Resp: 481068
Ion Ratio Lower Upper
164 100
162 102.0 79.4 119.2
160 46.0 36.1 54.1

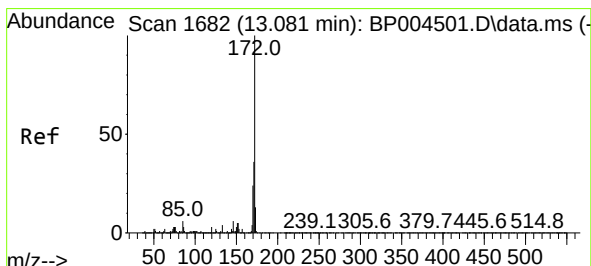
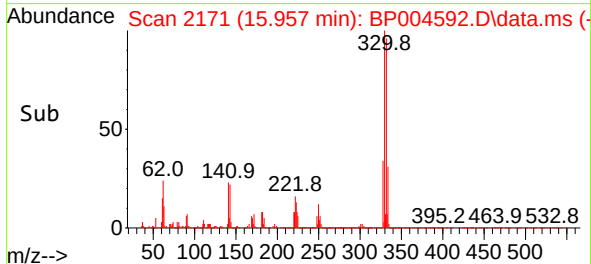
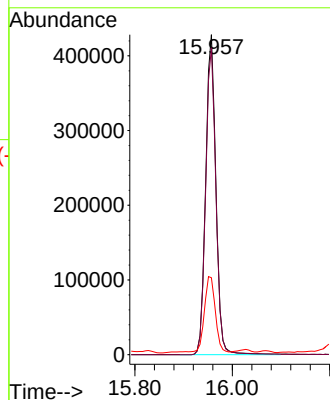
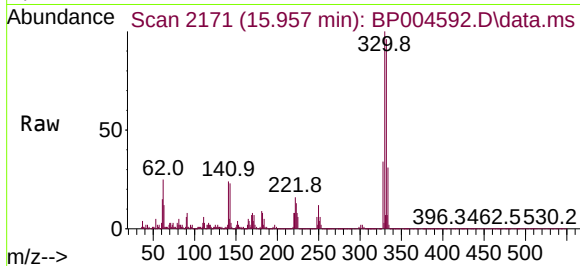




#42
2,4,6-Tribromophenol
Concen: 74.31 ng
RT: 15.957 min Scan# 2171
Delta R.T. -0.006 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

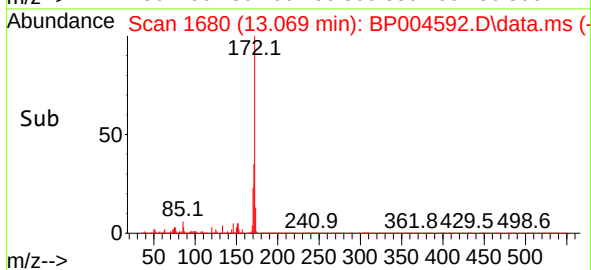
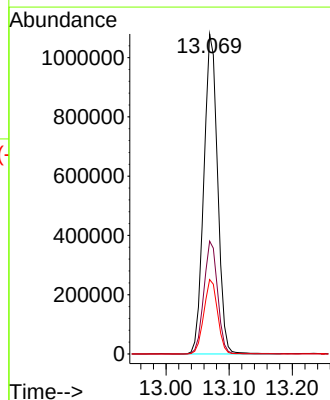
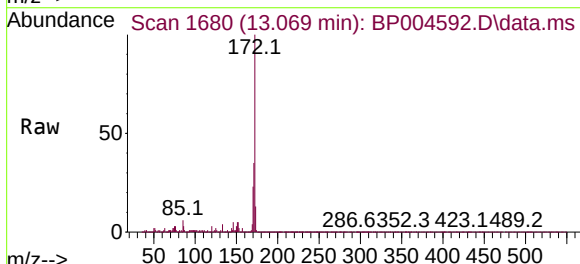
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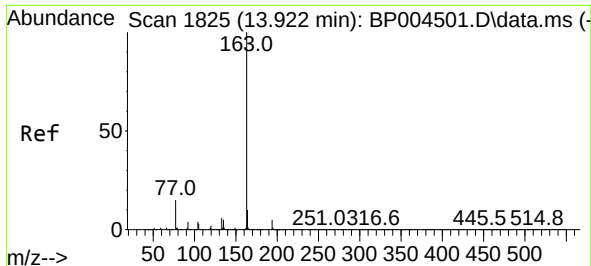
Tgt Ion:330 Resp: 621540
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 26.5 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 44.28 ng
RT: 13.069 min Scan# 1680
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:172 Resp: 1638465
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 23.3 19.2 28.8

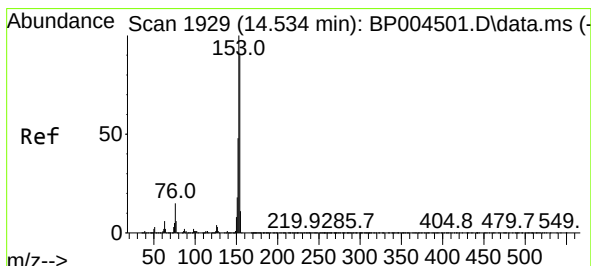
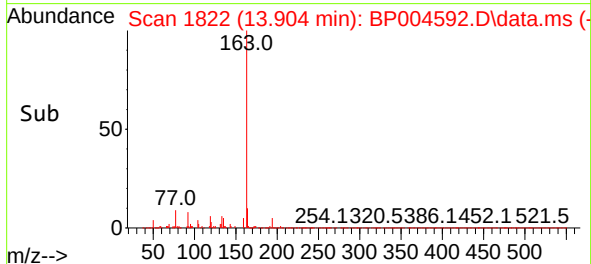
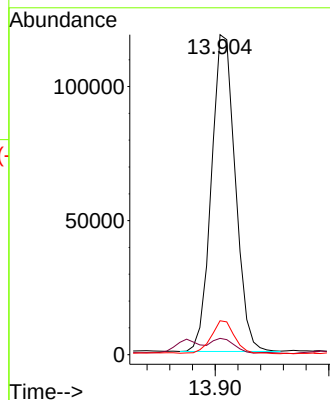
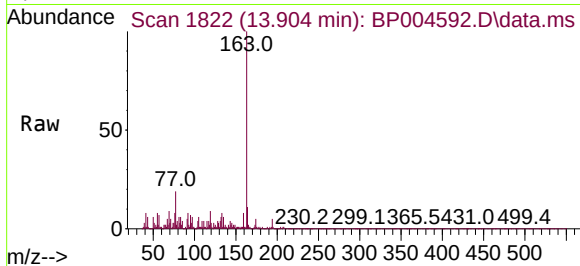




#50
Dimethylphthalate
Concen: 4.31 ng
RT: 13.904 min Scan# 1822
Delta R.T. -0.018 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

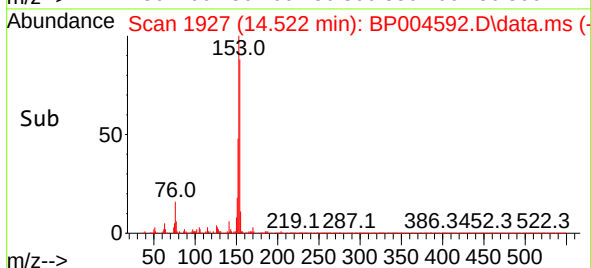
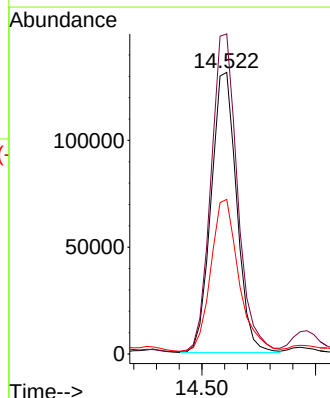
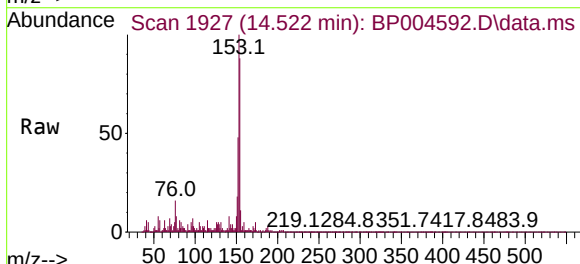
Instrument :
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ClientSampleId :
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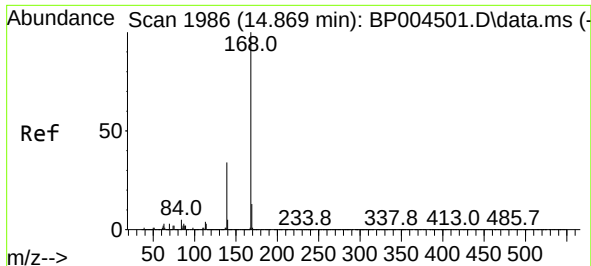
Tgt Ion:163 Resp: 171974
Ion Ratio Lower Upper
163 100
194 5.1 3.3 4.9#
164 10.6 8.2 12.2



#52
Acenaphthene
Concen: 7.06 ng
RT: 14.522 min Scan# 1927
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:154 Resp: 204647
Ion Ratio Lower Upper
154 100
153 113.6 91.0 136.6
152 54.9 43.0 64.6

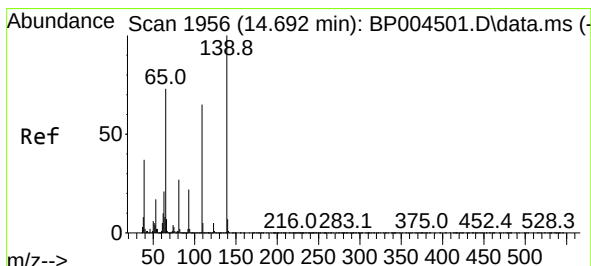
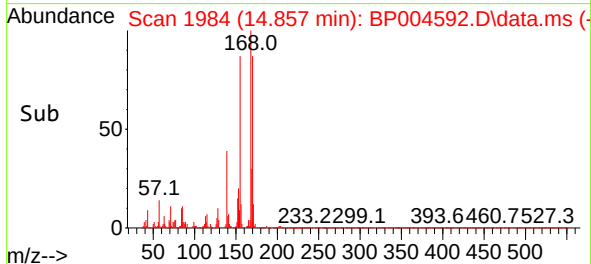
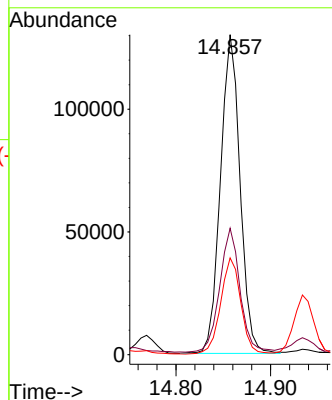
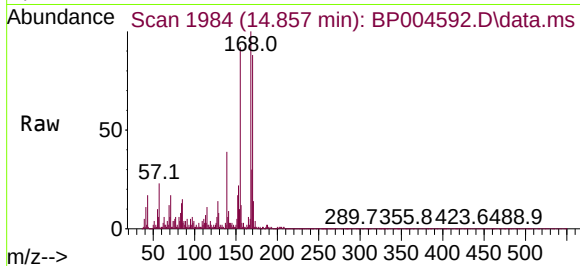




#55
Dibenzenofuran
Concen: 3.99 ng
RT: 14.857 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

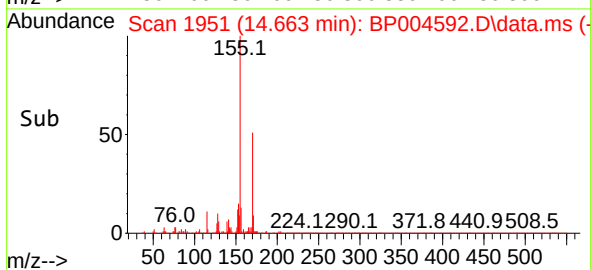
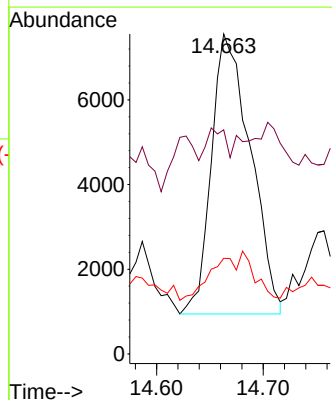
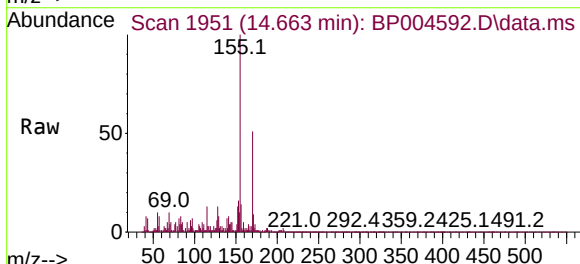
Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL

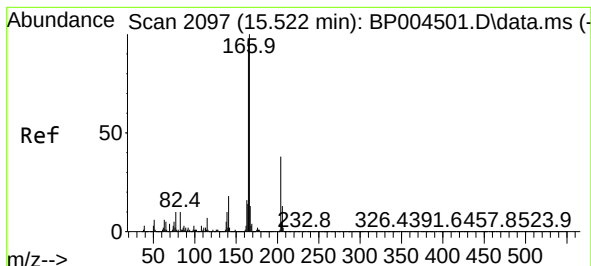
Tgt Ion:168 Resp: 187254
Ion Ratio Lower Upper
168 100
139 39.5 29.1 43.7
169 30.3 10.4 15.6#



#56
4-Nitrophenol
Concen: 2.62 ng
RT: 14.663 min Scan# 1951
Delta R.T. -0.029 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:139 Resp: 16828
Ion Ratio Lower Upper
139 100
109 70.0 44.6 84.6
65 29.9 41.6 81.6#





#58

Fluorene

Concen: 8.15 ng

RT: 15.510 min Scan# 2095

Delta R.T. -0.012 min

Lab File: BP004592.D

Acq: 16 Jan 2021 00:00

Tgt Ion:166 Resp: 305329

Ion Ratio Lower Upper

166 100

165 99.1 77.8 116.8

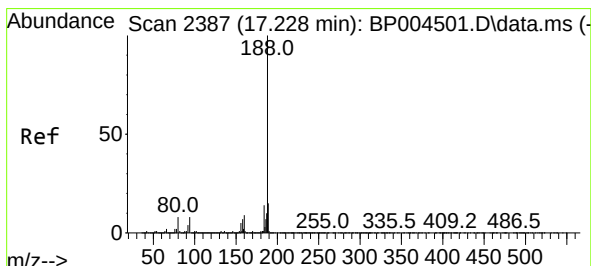
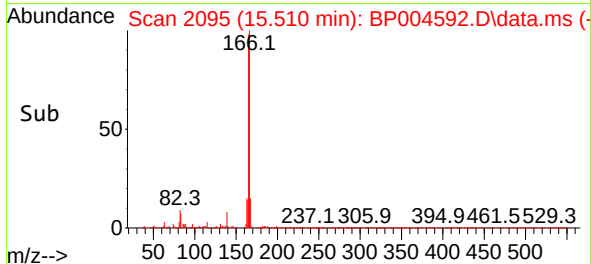
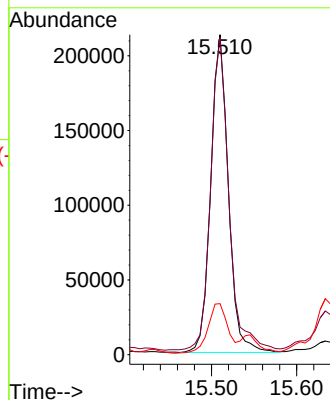
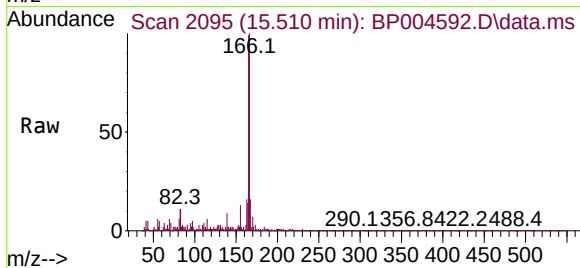
167 15.9 11.0 16.4

Instrument :

BNA_P

ClientSampleId :

VCP-EXC-SOIL



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.216 min Scan# 2385

Delta R.T. -0.012 min

Lab File: BP004592.D

Acq: 16 Jan 2021 00:00

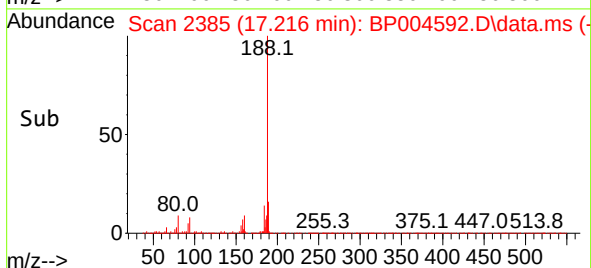
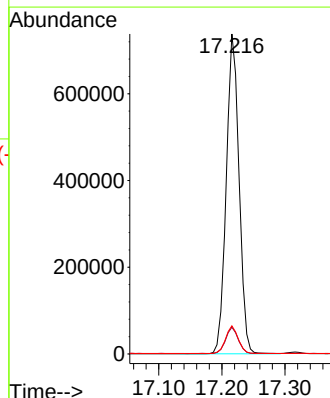
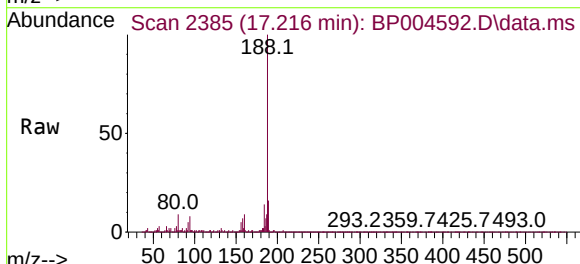
Tgt Ion:188 Resp: 1040656

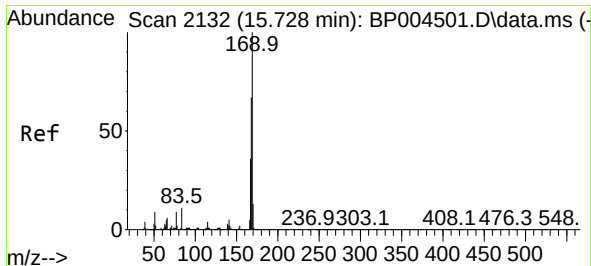
Ion Ratio Lower Upper

188 100

94 8.3 6.2 9.2

80 8.8 6.2 9.2

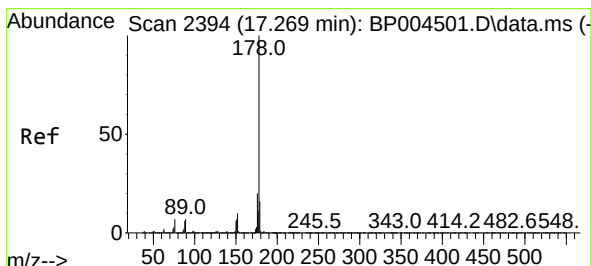
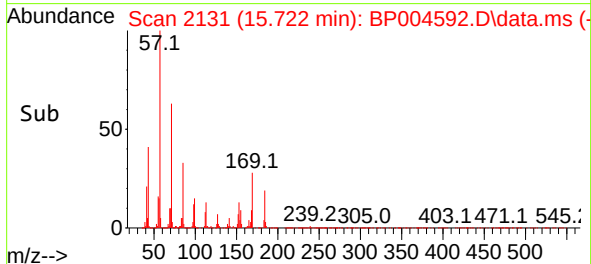
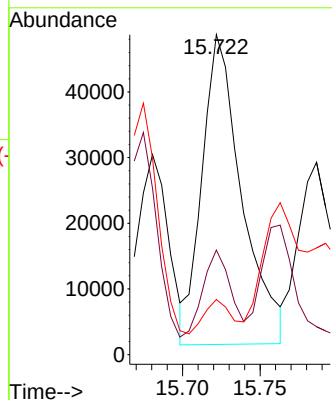
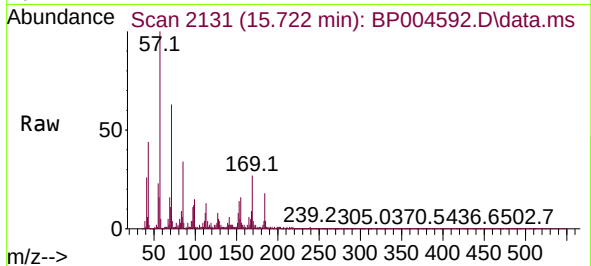




#66
n-Nitrosodiphenylamine
Concen: 2.60 ng
RT: 15.722 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

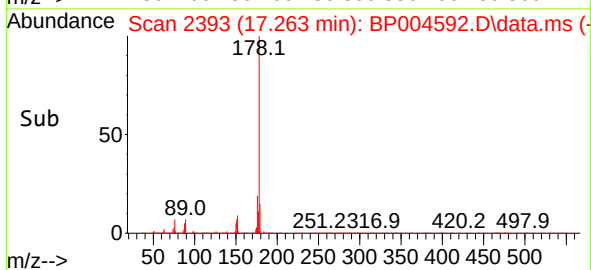
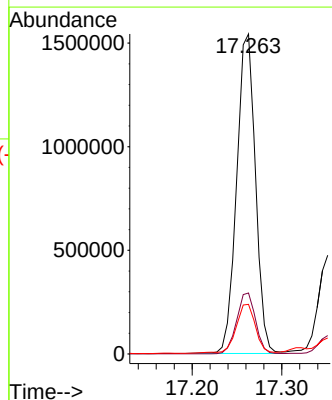
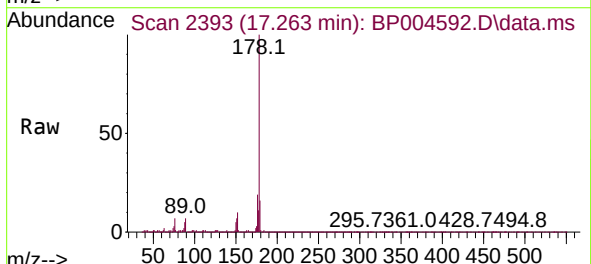
Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL

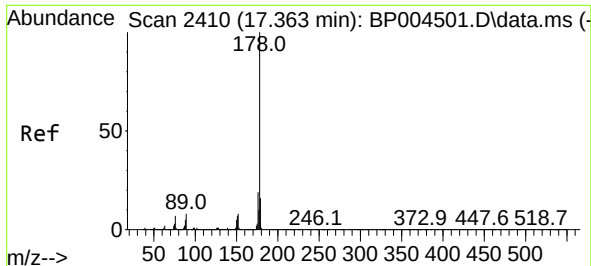
Tgt Ion:169 Resp: 83936
Ion Ratio Lower Upper
169 100
168 32.7 53.8 80.6#
167 17.2 28.9 43.3#



#71
Phenanthrene
Concen: 37.60 ng
RT: 17.263 min Scan# 2393
Delta R.T. -0.006 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:178 Resp: 2243414
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.5 12.5 18.7

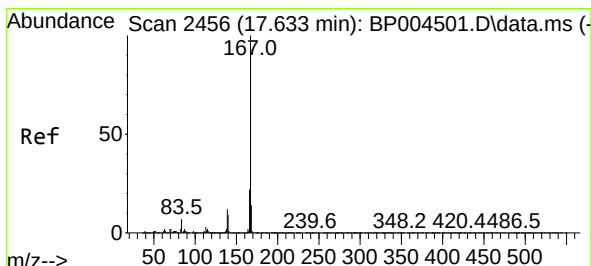
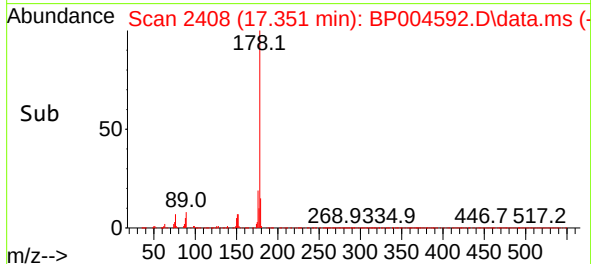
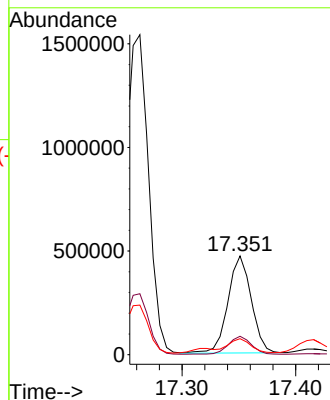
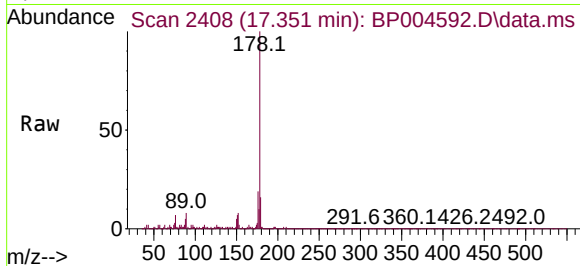




#72
 Anthracene
 Concen: 11.58 ng
 RT: 17.351 min Scan# 2408
 Delta R.T. -0.012 min
 Lab File: BP004592.D
 Acq: 16 Jan 2021 00:00

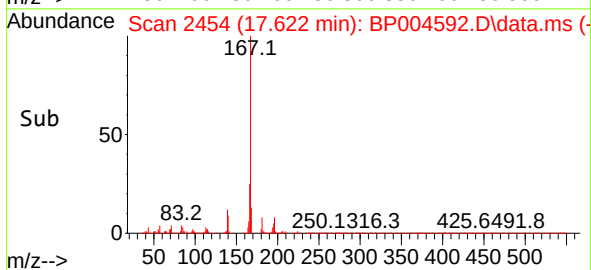
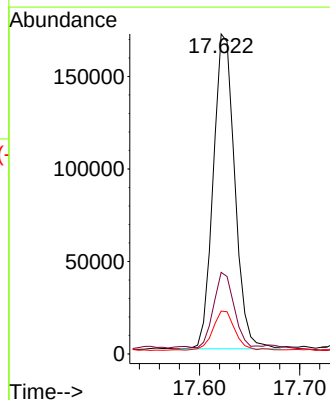
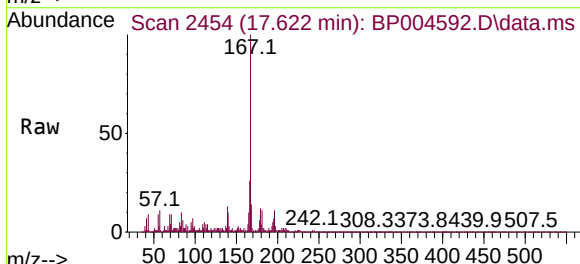
Instrument :
 BNA_P
 ClientSampleId :
 VCP-EXC-SOIL

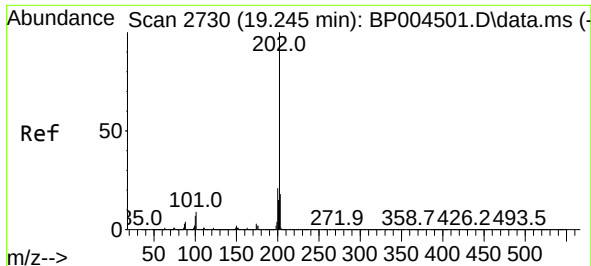
Tgt Ion:178 Resp: 669463
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.4
 179 16.1 12.5 18.7



#73
 Carbazole
 Concen: 4.71 ng
 RT: 17.622 min Scan# 2454
 Delta R.T. -0.012 min
 Lab File: BP004592.D
 Acq: 16 Jan 2021 00:00

Tgt Ion:167 Resp: 253662
 Ion Ratio Lower Upper
 167 100
 166 25.5 17.6 26.4
 139 13.4 10.2 15.4

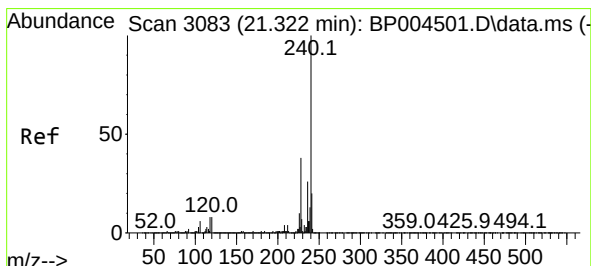
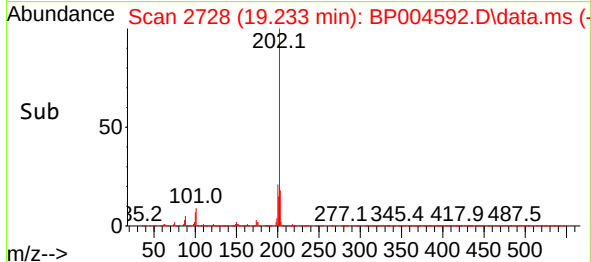
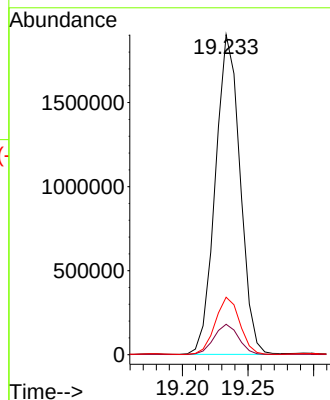
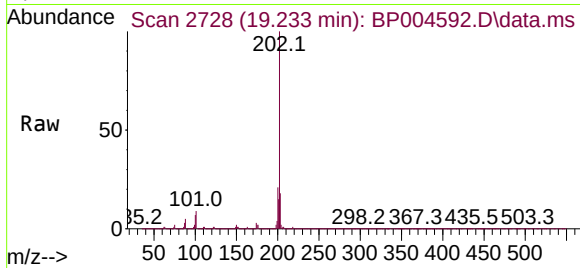




#75
Fluoranthene
Concen: 34.33 ng
RT: 19.233 min Scan# 2728
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

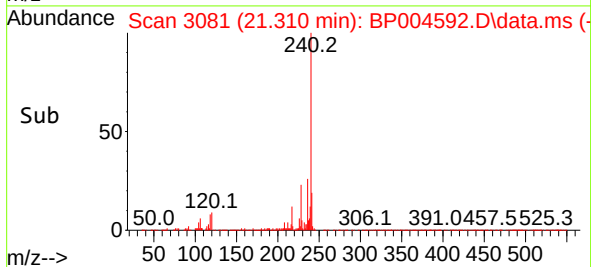
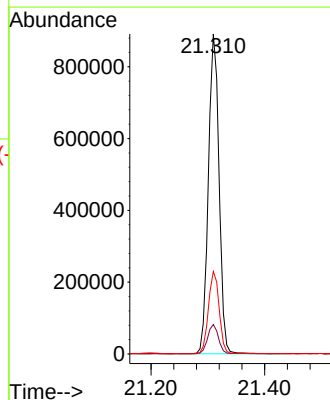
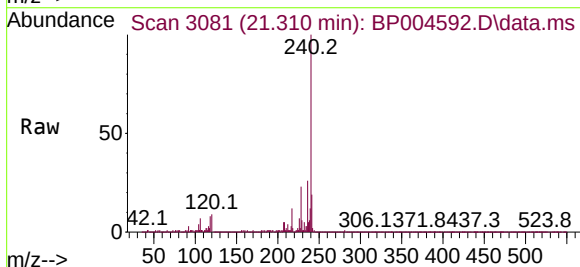
Instrument :
BNA_P
ClientSampled :
VCP-EXC-SOIL

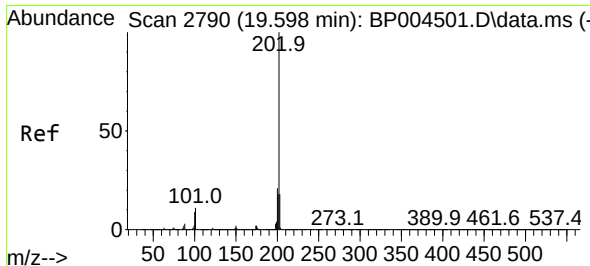
Tgt Ion:202 Resp: 2492485
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.4
203 18.0 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.310 min Scan# 3081
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:240 Resp: 1155895
Ion Ratio Lower Upper
240 100
120 9.2 7.8 11.6
236 25.8 20.8 31.2

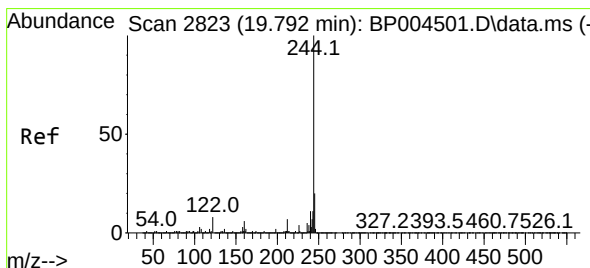
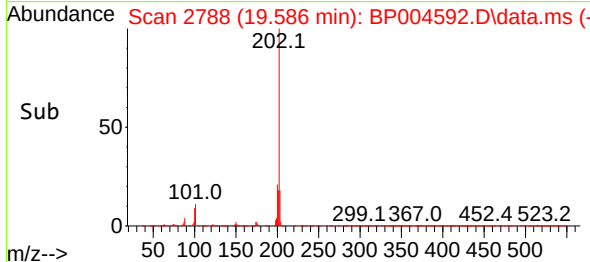
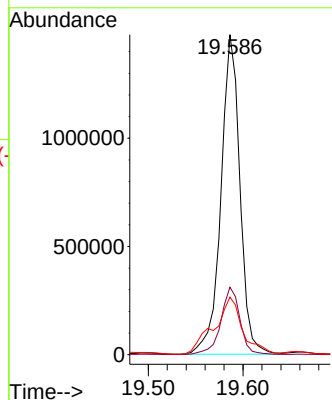
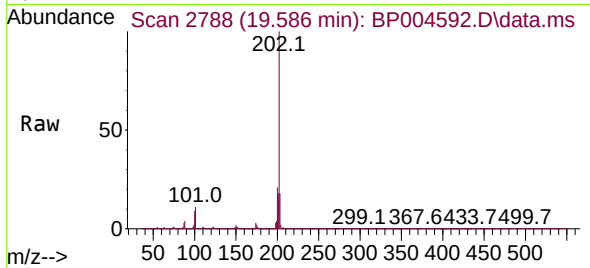




#78
Pyrene
Concen: 26.17 ng
RT: 19.586 min Scan# 2788
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

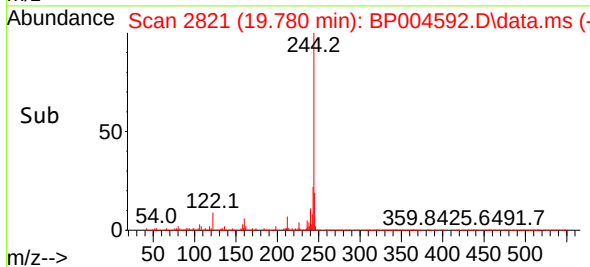
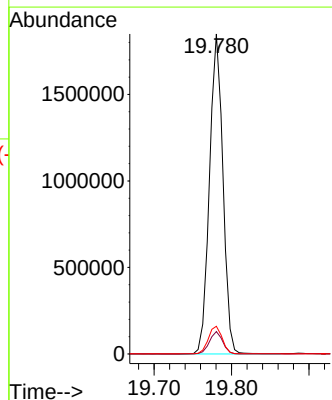
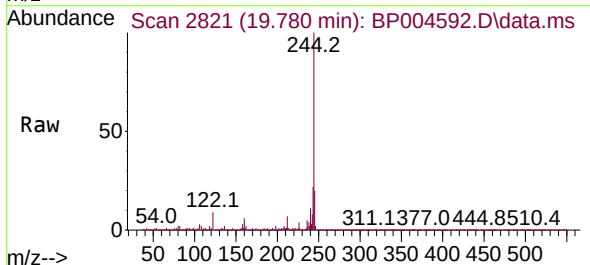
Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL

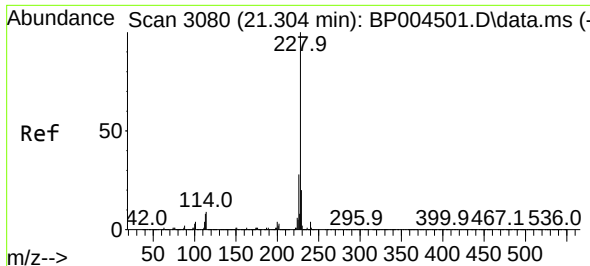
Tgt Ion:202 Resp: 2058166
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 18.0 14.2 21.2



#79
Terphenyl-d14
Concen: 35.17 ng
RT: 19.780 min Scan# 2821
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:244 Resp: 2225257
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 8.7 7.8 11.8

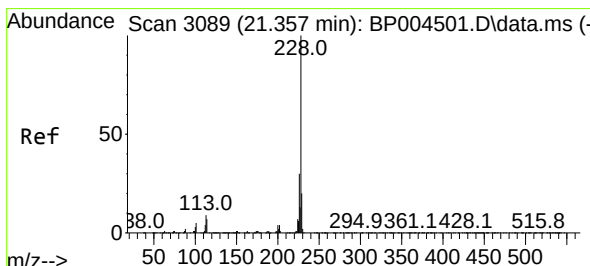
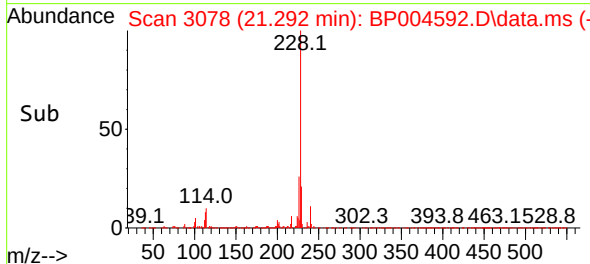
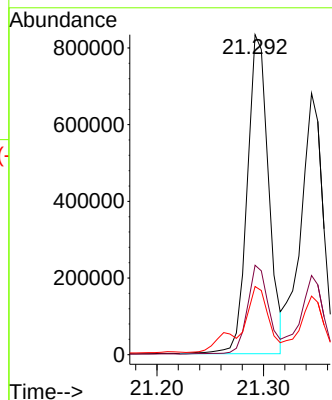
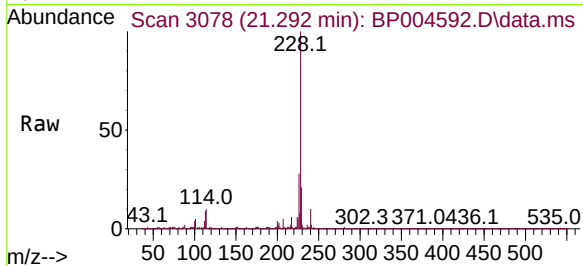




#81
Benzo(a)anthracene
Concen: 14.68 ng
RT: 21.292 min Scan# 3078
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

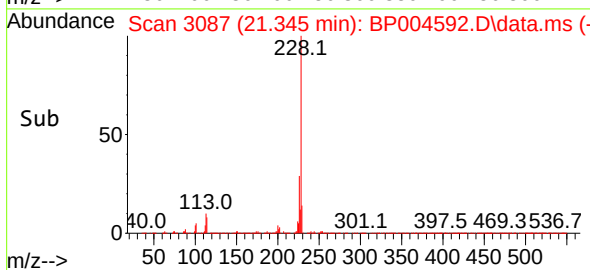
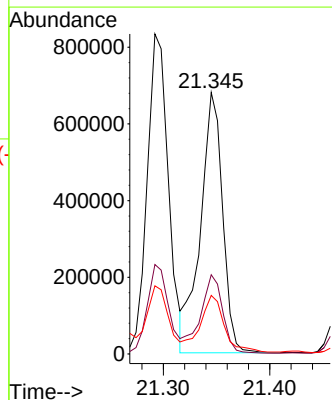
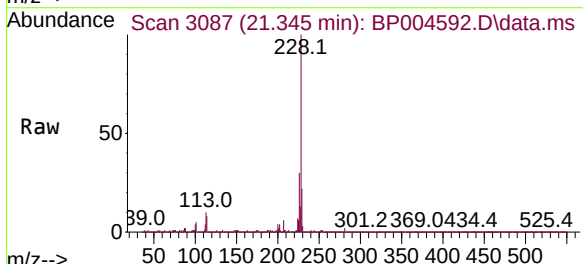
Instrument :
BNA_P
ClientSampled :
VCP-EXC-SOIL

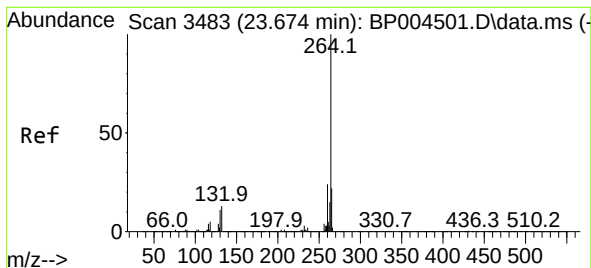
Tgt Ion:228 Resp: 1154090
Ion Ratio Lower Upper
228 100
226 28.0 22.1 33.1
229 21.3 15.9 23.9



#83
Chrysene
Concen: 13.14 ng
RT: 21.345 min Scan# 3087
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:228 Resp: 983524
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 22.4 15.8 23.6

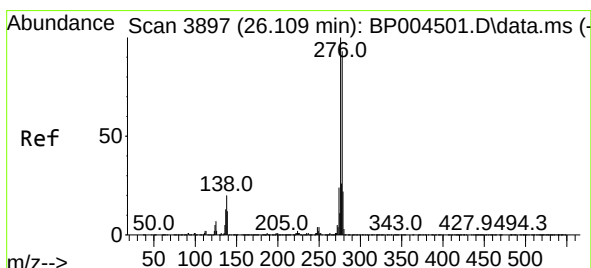
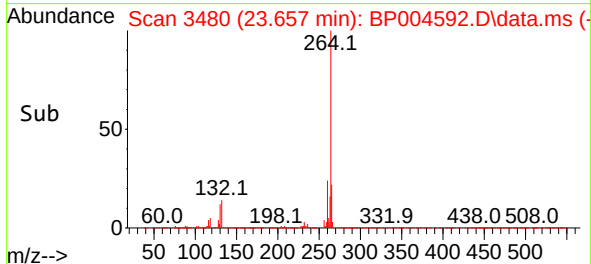
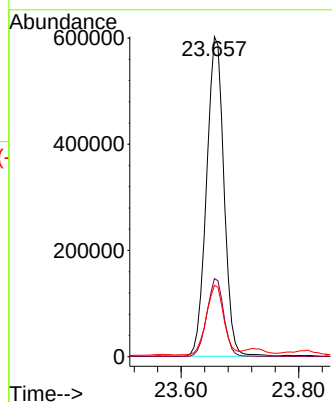
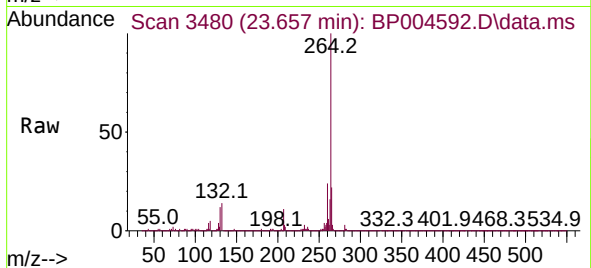




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.657 min Scan# 3480
Delta R.T. -0.018 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

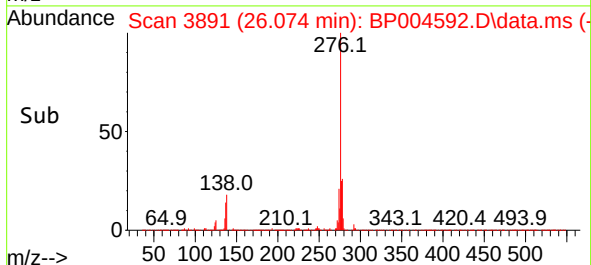
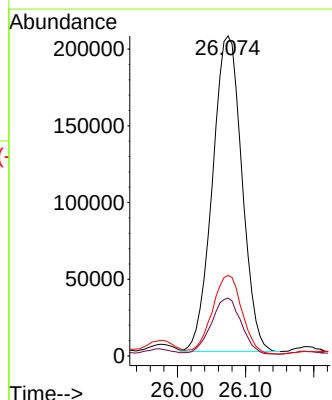
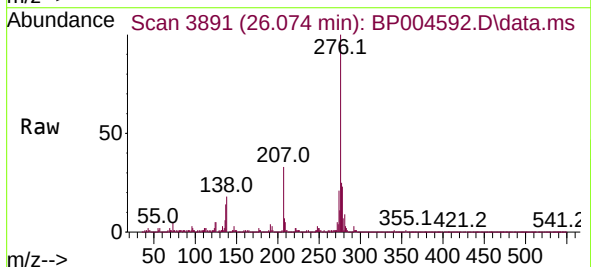
Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL

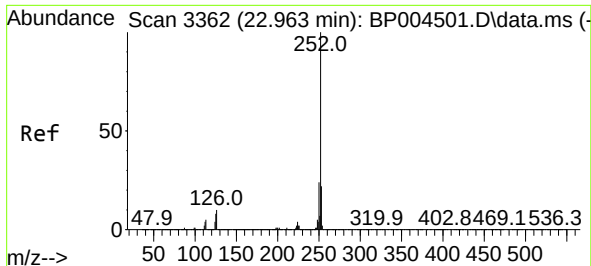
Tgt Ion:264 Resp: 1232689
Ion Ratio Lower Upper
264 100
260 24.4 18.8 28.2
265 22.3 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.51 ng
RT: 26.074 min Scan# 3891
Delta R.T. -0.035 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:276 Resp: 619180
Ion Ratio Lower Upper
276 100
138 18.0 18.7 28.1#
277 25.2 20.4 30.6

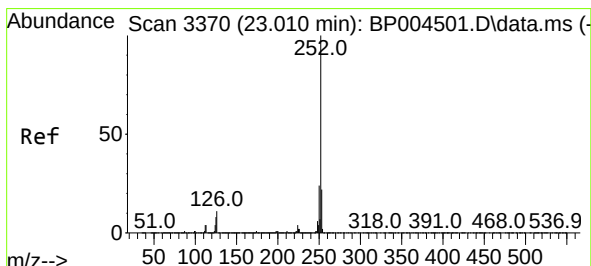
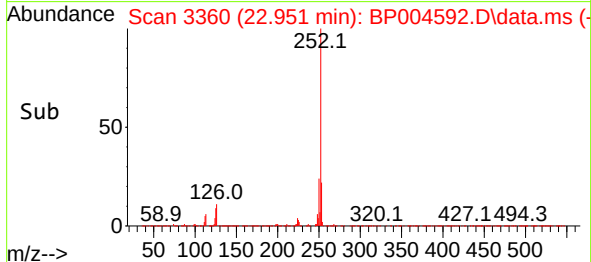
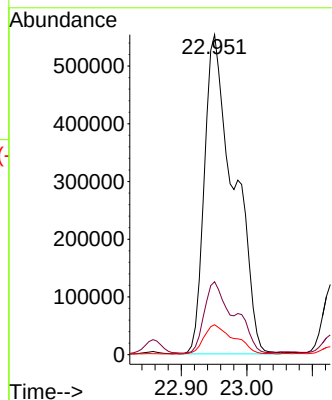
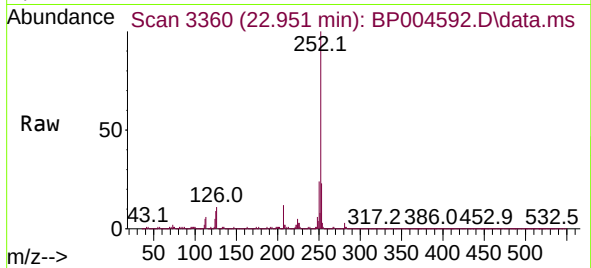




#88
Benzo(b)fluoranthene
Concen: 21.75 ng
RT: 22.951 min Scan# 3360
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

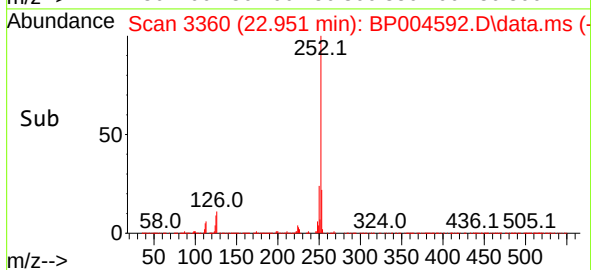
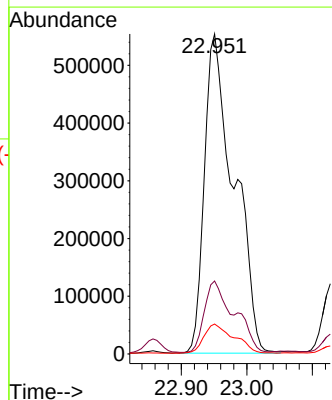
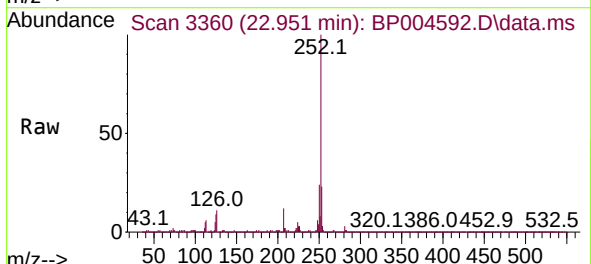
Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL

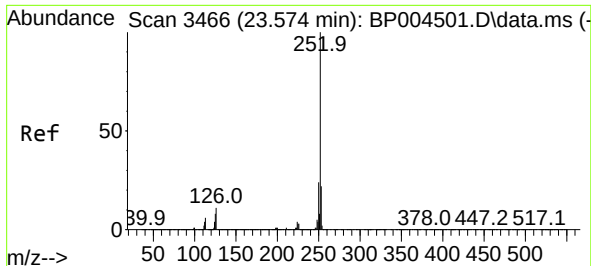
Tgt Ion:252 Resp: 1735261
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 9.4 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 22.80 ng
RT: 22.951 min Scan# 3360
Delta R.T. -0.059 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:252 Resp: 1735261
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 9.4 7.4 11.2

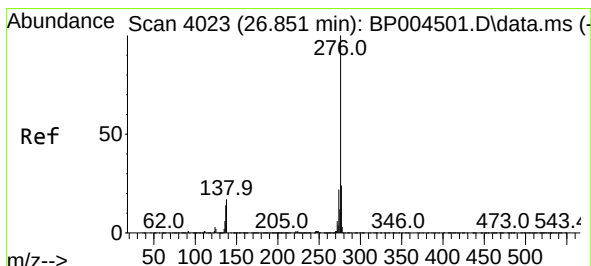
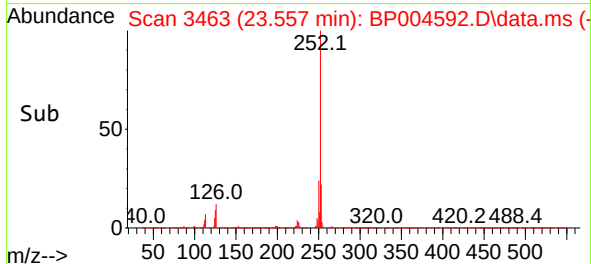
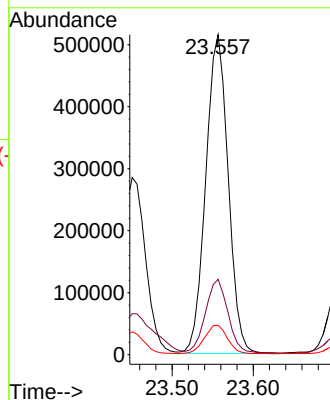
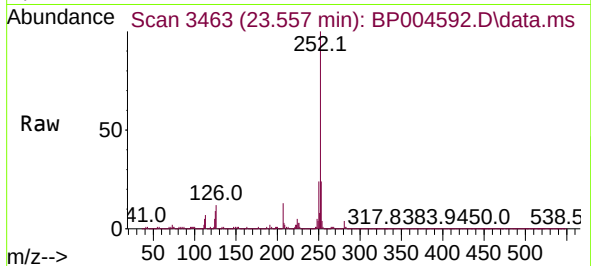




#90
Benzo(a)pyrene
Concen: 13.27 ng
RT: 23.557 min Scan# 3463
Delta R.T. -0.018 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL

Tgt Ion:252 Resp: 987539
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 9.2 8.2 12.4



#92
Benzo(g,h,i)perylene
Concen: 7.64 ng
RT: 26.815 min Scan# 4017
Delta R.T. -0.035 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:276 Resp: 590295
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.6
138 18.0 16.6 24.8

