

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070821\
 Data File : BP006152.D
 Acq On : 08 Jul 2021 22:07
 Operator : CG/JU
 Sample : M2947-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 D9-SOIL-PILE

Quant Time: Jul 09 04:31:02 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 07 16:08:13 2021
 Response via : Initial Calibration

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

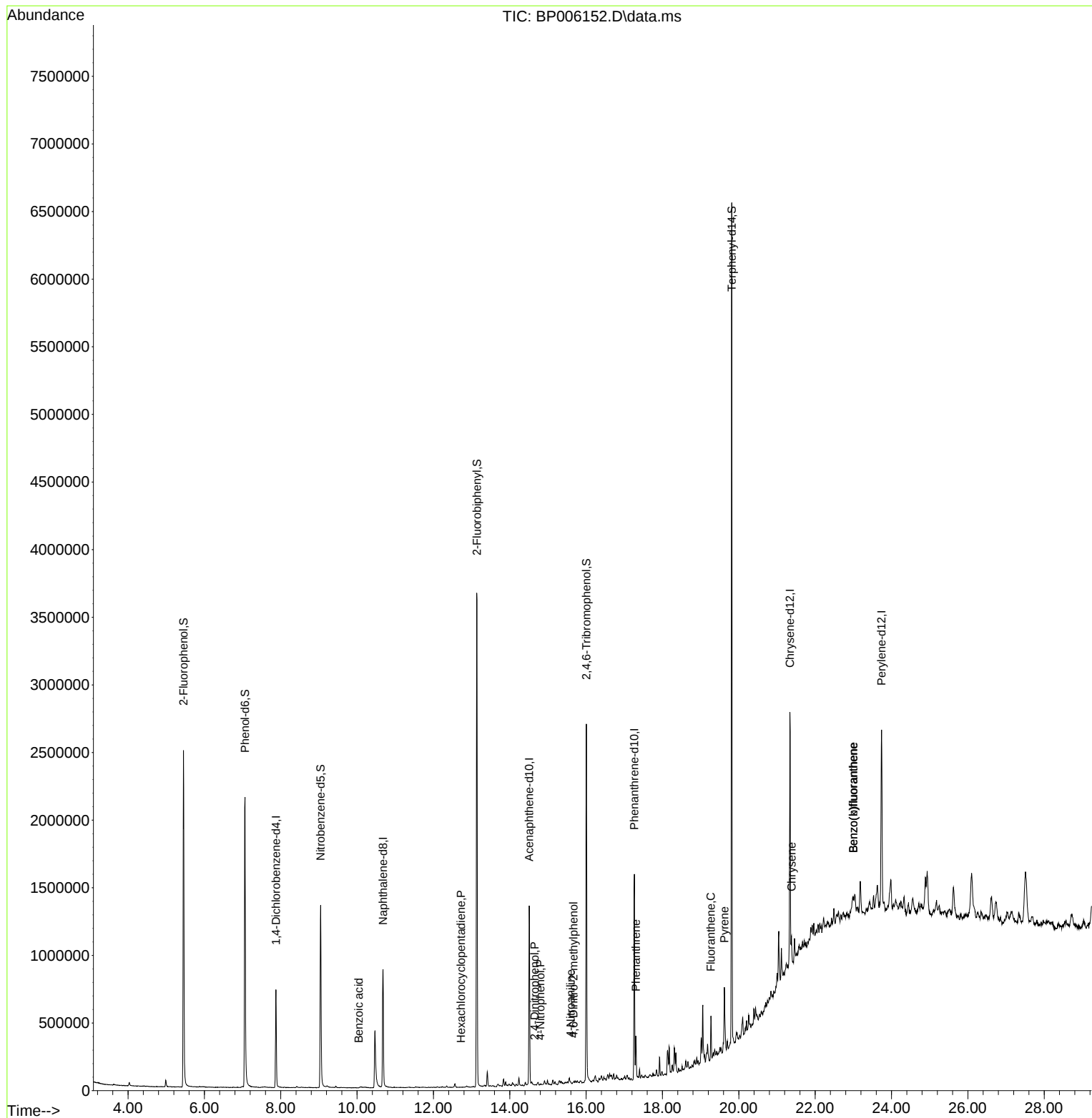
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.875	152	214136	20.00	ng	0.00
21) Naphthalene-d8	10.681	136	814078	20.00	ng	0.00
39) Acenaphthene-d10	14.510	164	456417	20.00	ng	0.00
64) Phenanthrene-d10	17.263	188	854878	20.00	ng	# 0.00
76) Chrysene-d12	21.339	240	796648	20.00	ng	# 0.00
86) Perylene-d12	23.739	264	926887	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	1251273	100.54	ng	0.00
7) Phenol-d6	7.063	99	1464352	88.96	ng	0.00
23) Nitrobenzene-d5	9.046	82	829920	64.39	ng	0.00
42) 2,4,6-Tribromophenol	16.004	330	513311	94.46	ng	0.00
45) 2-Fluorobiphenyl	13.140	172	1946412	63.04	ng	0.00
79) Terphenyl-d14	19.816	244	2563084	63.43	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.046	122	37	6.91	ng	# 1
41) Hexachlorocyclopentadiene	12.722	237	36	8.72	ng	92
54) 2,4-Dinitrophenol	14.651	184	35	8.89	ng	# 1
56) 4-Nitrophenol	14.798	139	96	7.14	ng	# 77
62) 4-Nitroaniline	15.592	138	80	2.97	ng	95
65) 4,6-Dinitro-2-methylph...	15.669	198	36	4.42	ng	# 1
71) Phenanthrene	17.304	178	187790	3.89	ng	99
75) Fluoranthene	19.269	202	158724	3.00	ng	95
78) Pyrene	19.622	202	255099	4.74	ng	100
83) Chrysene	21.380	228	115041	2.31	ng	# 93
88) Benzo(b)fluoranthene	23.004	252	128451	2.28	ng	# 64
89) Benzo(k)fluoranthene	23.004	252	128451	2.34	ng	# 64

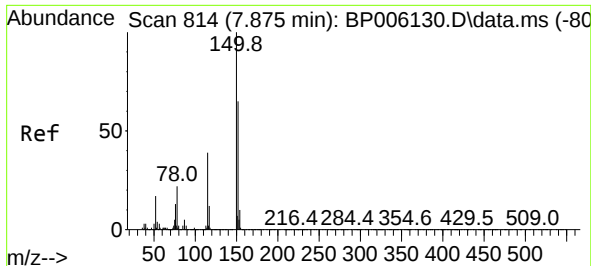
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070821\
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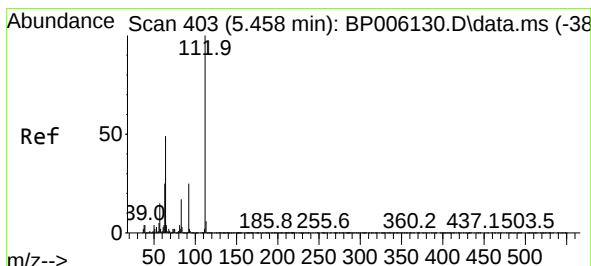
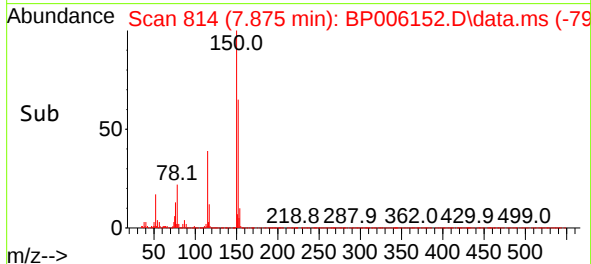
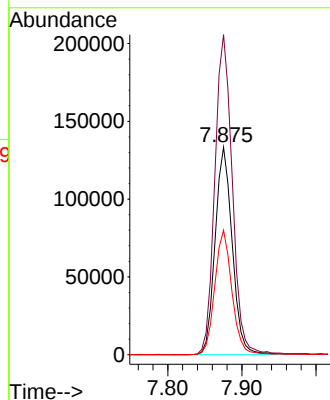
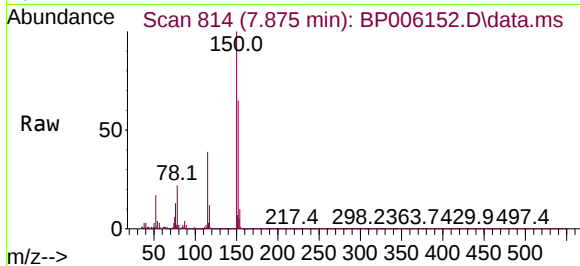




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.875 min Scan# 814
Delta R.T. 0.000 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

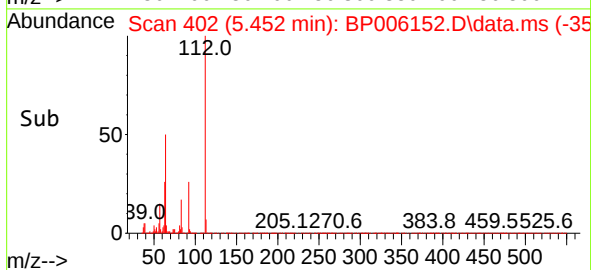
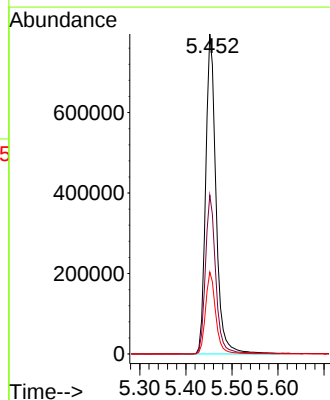
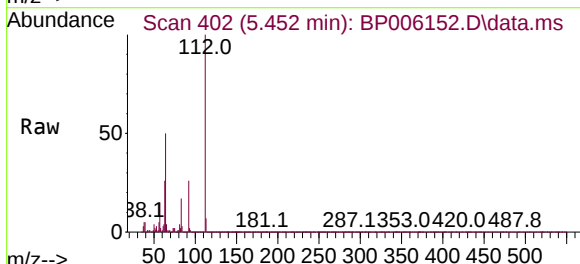
Instrument :
BNA_P
ClientSampleId :
D9-SOIL-PILE

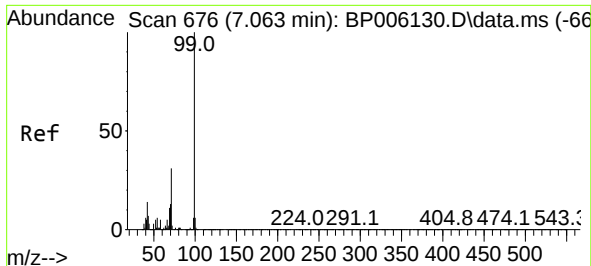
Tgt Ion:152 Resp: 214136
Ion Ratio Lower Upper
152 100
150 154.2 125.6 188.4
115 60.0 48.5 72.7



#5
2-Fluorophenol
Concen: 100.54 ng
RT: 5.452 min Scan# 402
Delta R.T. -0.006 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

Tgt Ion:112 Resp: 1251273
Ion Ratio Lower Upper
112 100
64 49.6 41.4 62.2
63 25.6 23.8 35.8

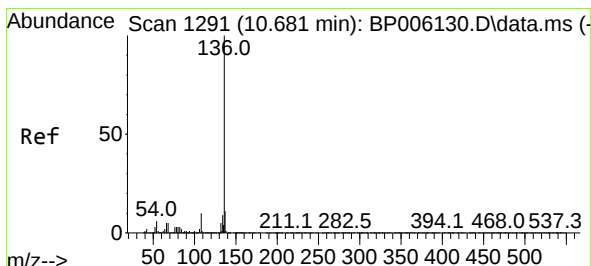
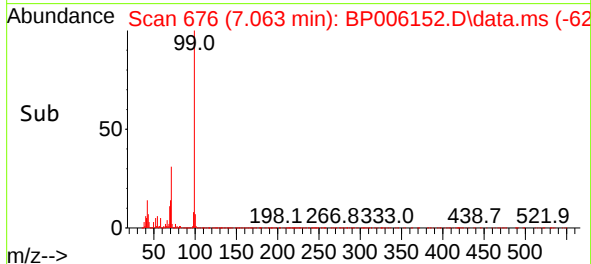
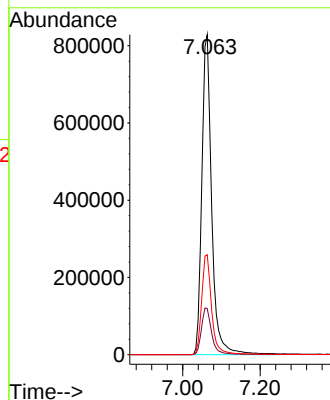
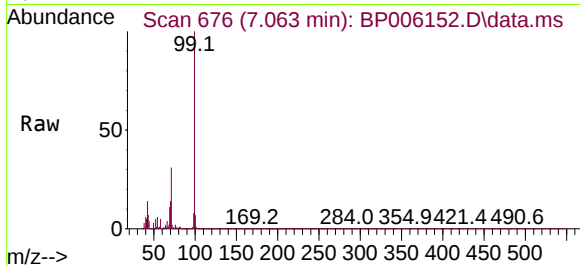




#7
Phenol-d6
Concen: 88.96 ng
RT: 7.063 min Scan# 676
Delta R.T. 0.000 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

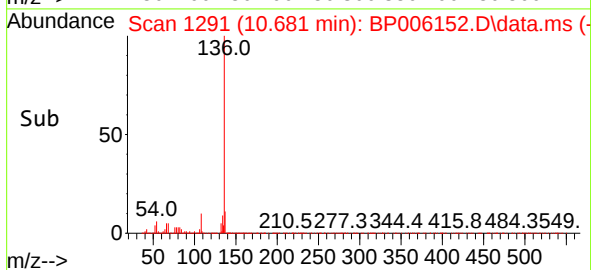
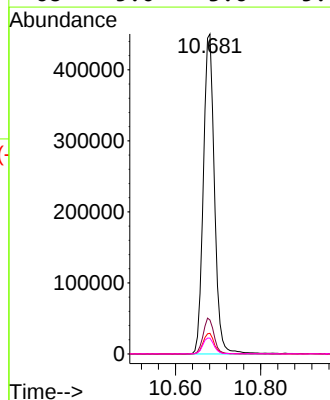
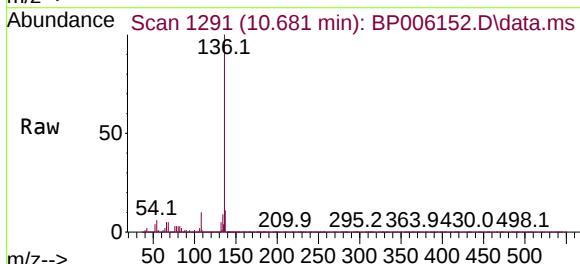
Instrument :
BNA_P
ClientSampleId :
D9-SOIL-PILE

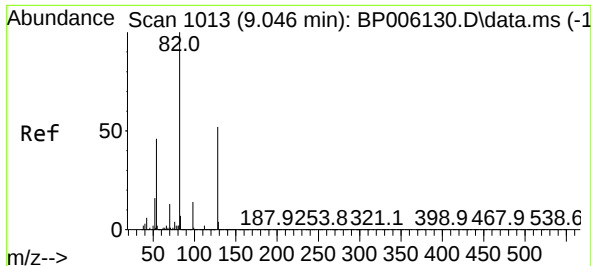
Tgt Ion: 99 Resp: 1464352
Ion Ratio Lower Upper
99 100
42 14.4 13.4 20.0
71 31.2 30.6 46.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.681 min Scan# 1291
Delta R.T. -0.000 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

Tgt Ion: 136 Resp: 814078
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 6.4 4.6 6.8
68 5.0 3.6 5.4

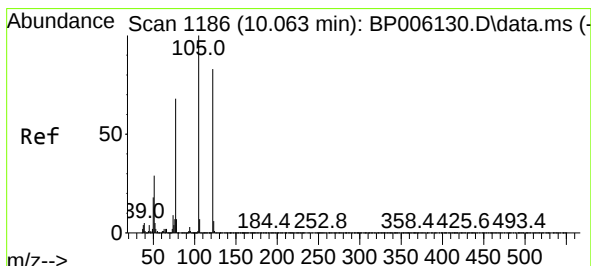
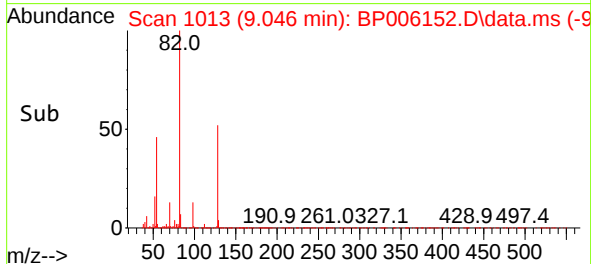
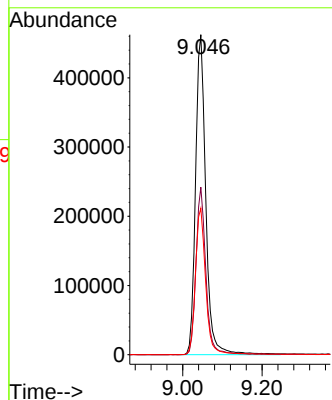
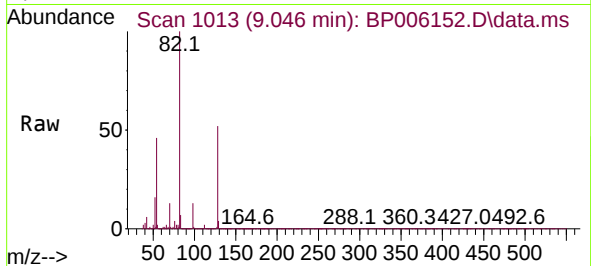




#23
Nitrobenzene-d5
Concen: 64.39 ng
RT: 9.046 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

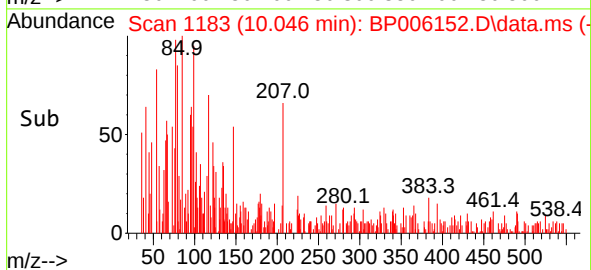
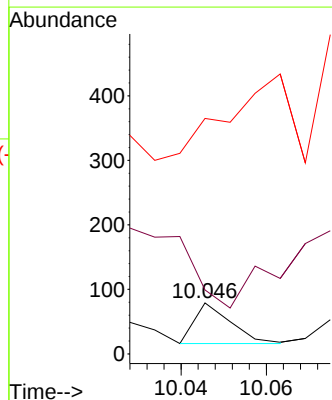
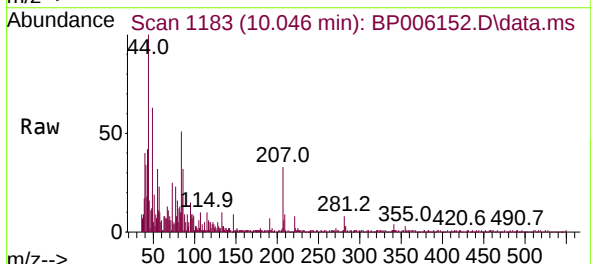
Instrument :
BNA_P
ClientSampleId :
D9-SOIL-PILE

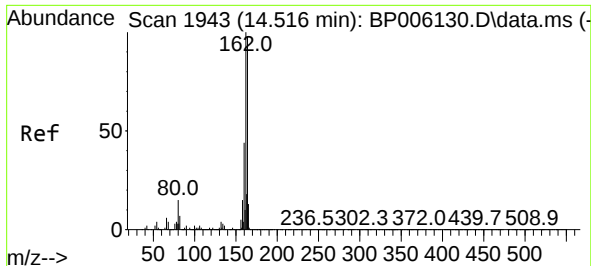
Tgt Ion: 82 Resp: 829920
Ion Ratio Lower Upper
82 100
128 52.4 35.7 53.5
54 45.8 35.0 52.4



#32
Benzoic acid
Concen: 6.91 ng
RT: 10.046 min Scan# 1183
Delta R.T. -0.017 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

Tgt Ion:122 Resp: 37
Ion Ratio Lower Upper
122 100
105 125.3 103.2 143.2
77 462.0 76.2 116.2#

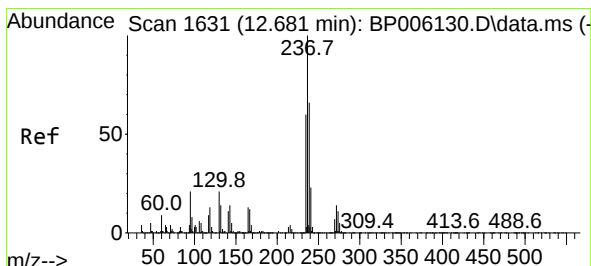
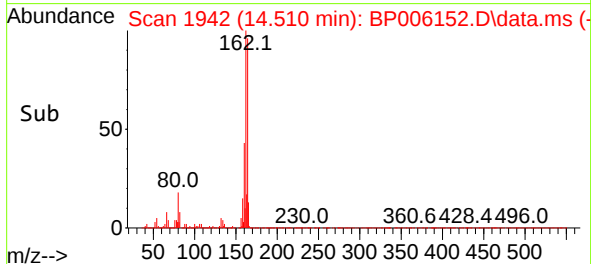
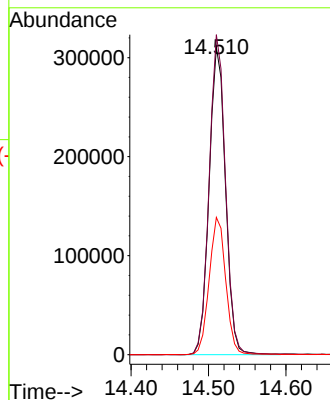
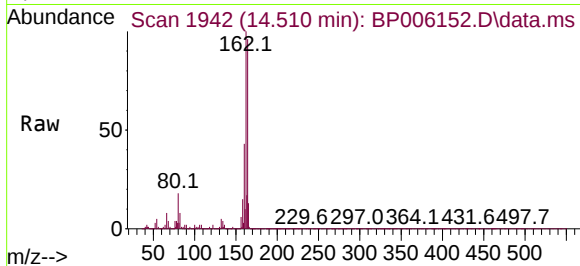




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.510 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

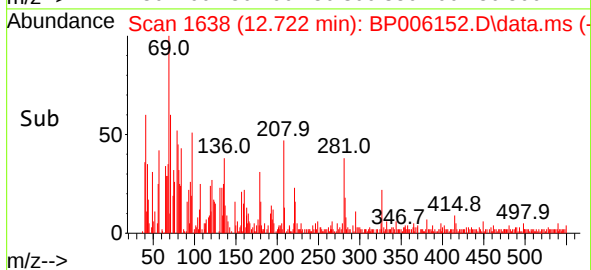
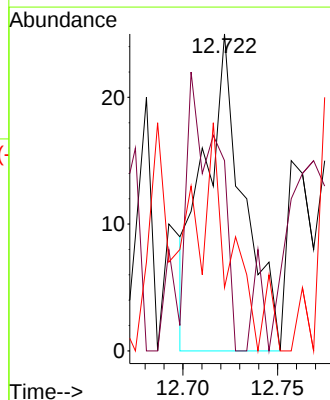
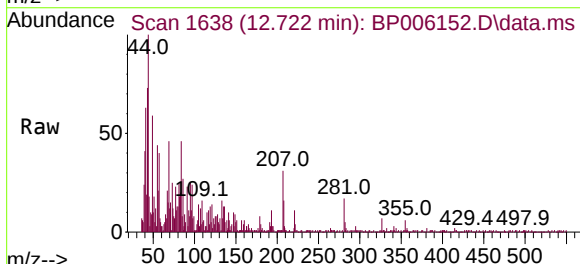
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ClientSampleId :
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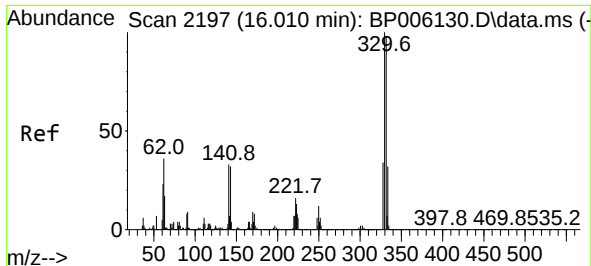
Tgt Ion:164 Resp: 456417
Ion Ratio Lower Upper
164 100
162 104.1 80.2 120.2
160 44.7 34.5 51.7



#41
Hexachlorocyclopentadiene
Concen: 8.72 ng
RT: 12.722 min Scan# 1638
Delta R.T. 0.041 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

Tgt Ion:237 Resp: 36
Ion Ratio Lower Upper
237 100
235 60.0 44.5 84.5
272 20.0 0.0 32.5

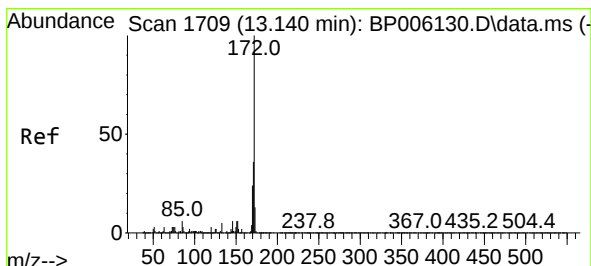
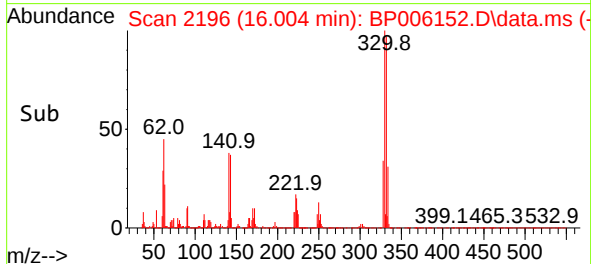
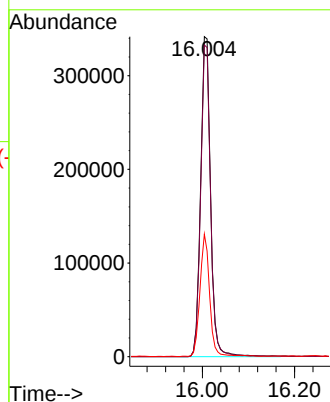
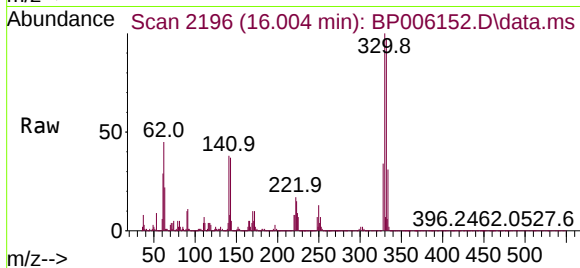




#42
2,4,6-Tribromophenol
Concen: 94.46 ng
RT: 16.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

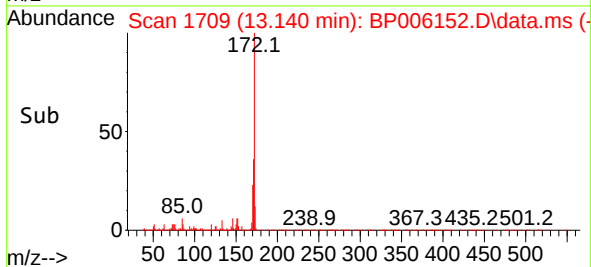
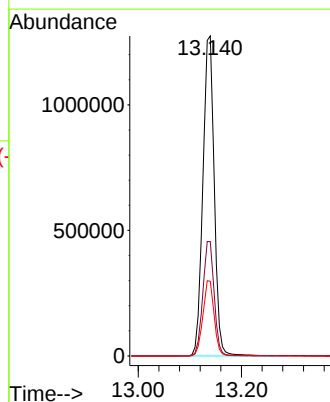
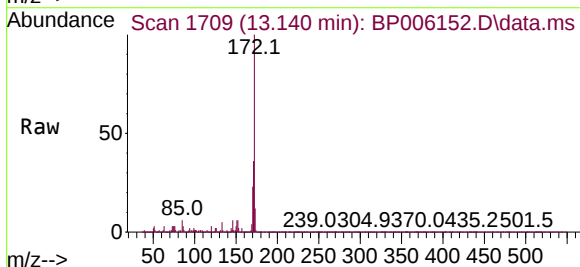
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D9-SOIL-PILE

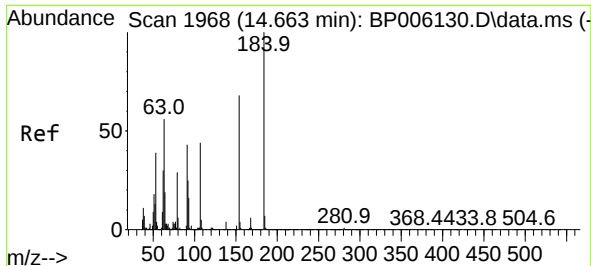
Tgt Ion:330 Resp: 513311
Ion Ratio Lower Upper
330 100
332 96.7 77.8 116.8
141 37.3 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 63.04 ng
RT: 13.140 min Scan# 1709
Delta R.T. 0.000 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

Tgt Ion:172 Resp: 1946412
Ion Ratio Lower Upper
172 100
171 35.7 27.9 41.9
170 23.4 18.6 27.8

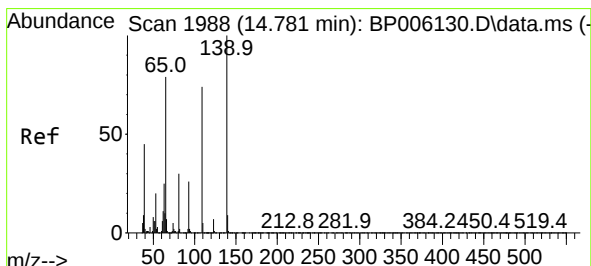
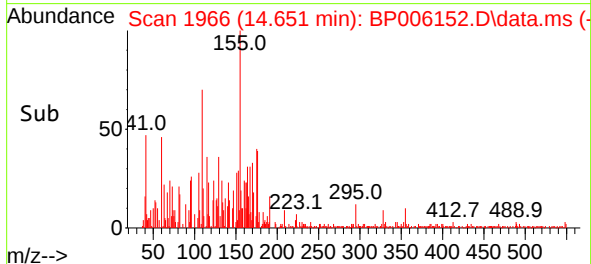
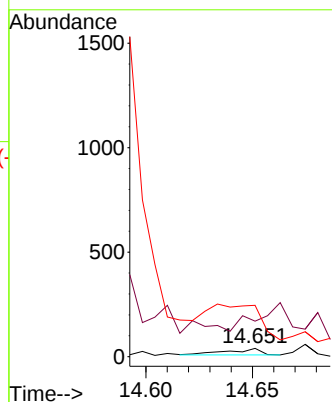
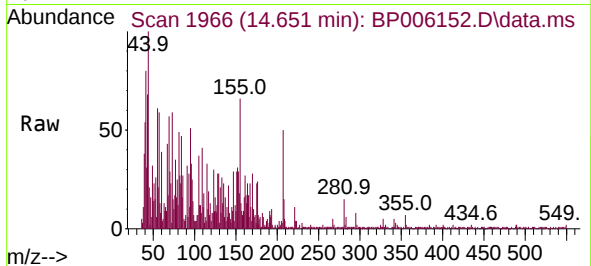




#54
2,4-Dinitrophenol
Concen: 8.89 ng
RT: 14.651 min Scan# 1966
Delta R.T. -0.012 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

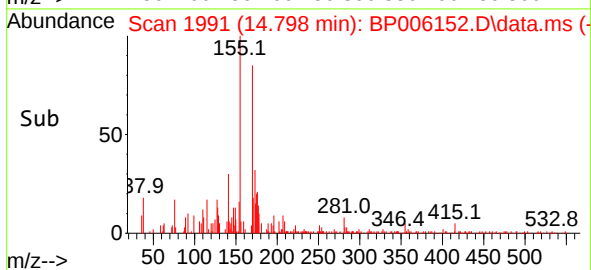
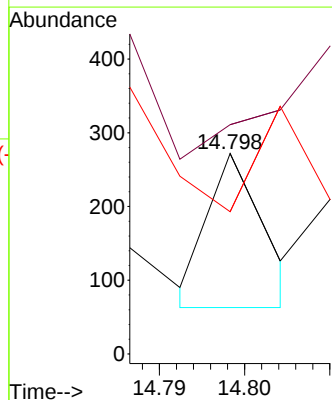
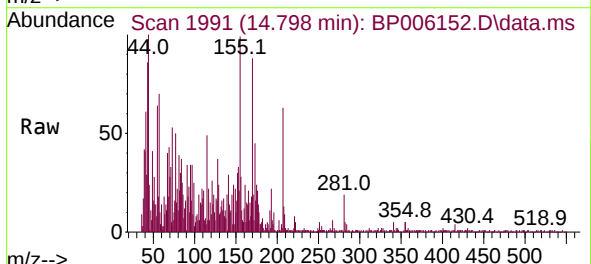
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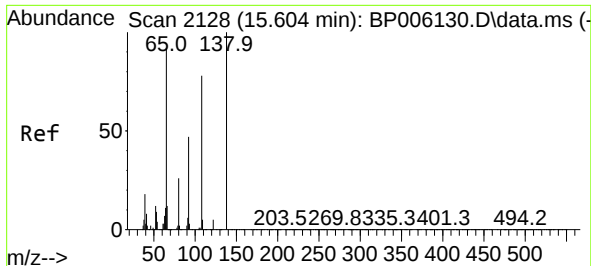
Tgt Ion:184 Resp: 35
Ion Ratio Lower Upper
184 100
63 425.0 47.0 70.6#
154 615.0 52.3 78.5#



#56
4-Nitrophenol
Concen: 7.14 ng
RT: 14.798 min Scan# 1991
Delta R.T. 0.017 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

Tgt Ion:139 Resp: 96
Ion Ratio Lower Upper
139 100
109 114.3 72.3 112.3#
65 71.0 72.5 112.5#

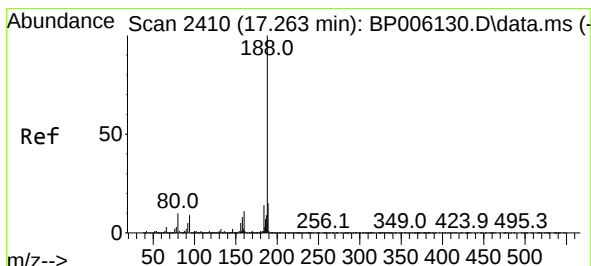
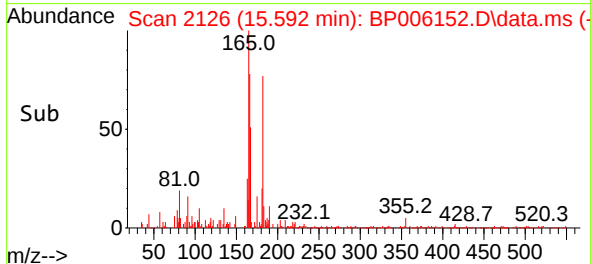
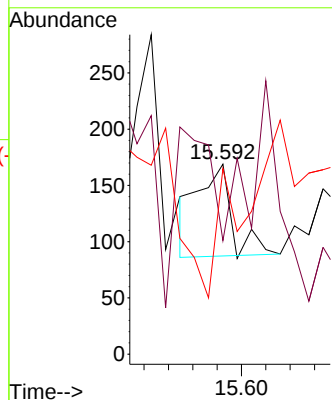
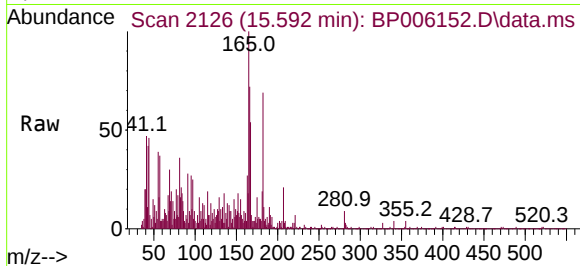




#62
4-Nitroaniline
Concen: 2.97 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.012 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

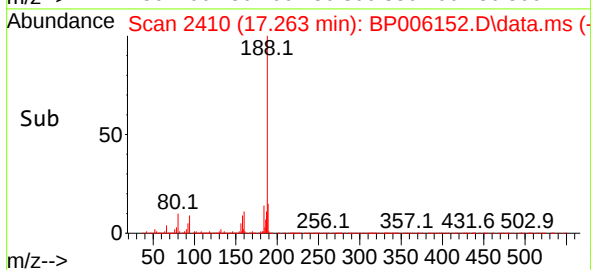
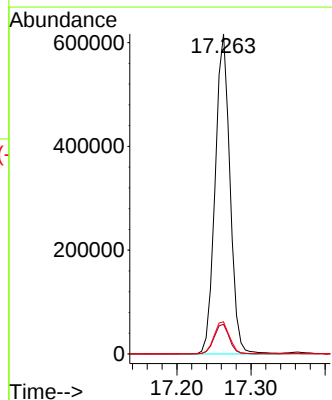
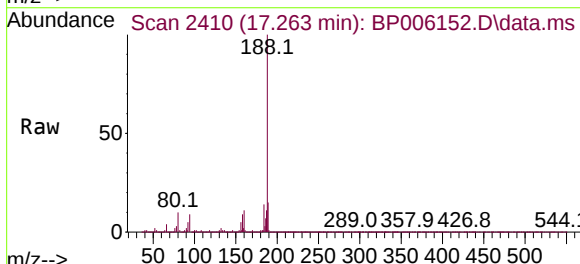
Instrument :
BNA_P
ClientSampleId :
D9-SOIL-PILE

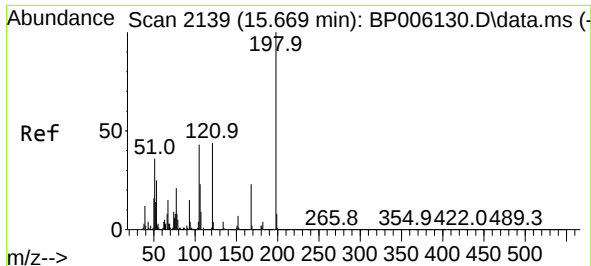
Tgt Ion:138 Resp: 80
Ion Ratio Lower Upper
138 100
92 59.8 31.2 71.2
108 97.6 78.6 118.6



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.263 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

Tgt Ion:188 Resp: 854878
Ion Ratio Lower Upper
188 100
94 9.2 5.6 8.4#
80 10.0 6.3 9.5#

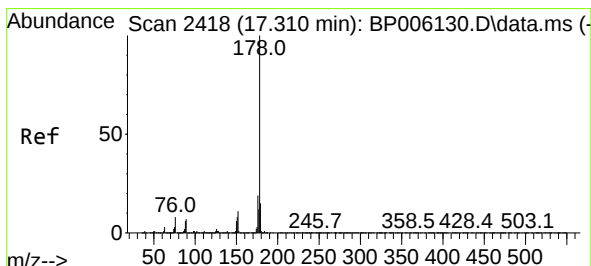
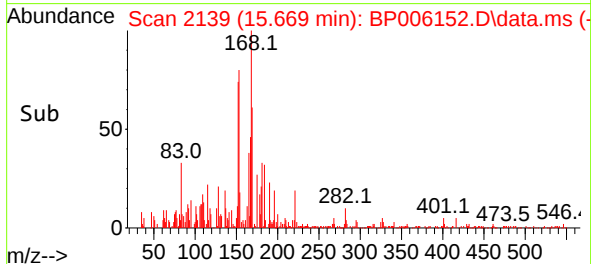
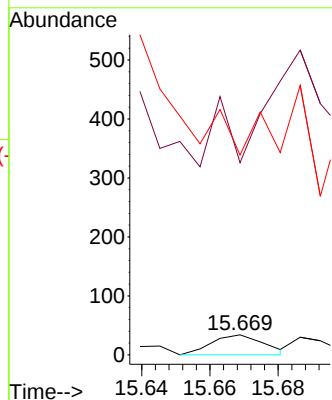
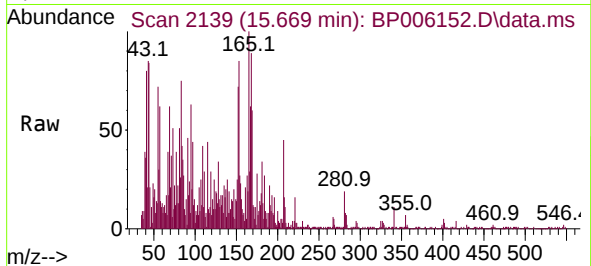




#65
4,6-Dinitro-2-methylphenol
Concen: 4.42 ng
RT: 15.669 min Scan# 2139
Delta R.T. -0.000 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

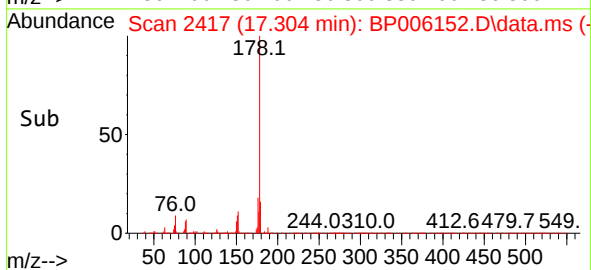
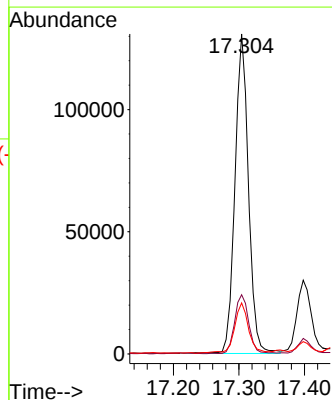
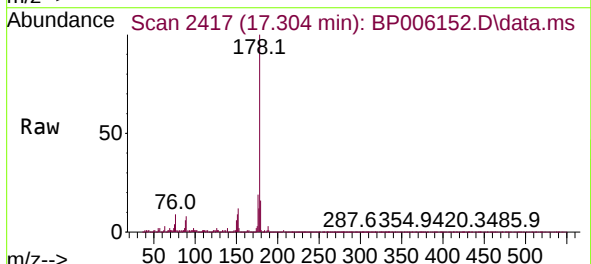
Instrument :
BNA_P
ClientSampleId :
D9-SOIL-PILE

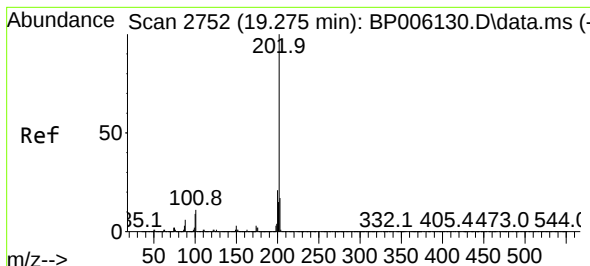
Tgt Ion:198 Resp: 36
Ion Ratio Lower Upper
198 100
51 958.8 14.0 54.0#
105 997.1 19.5 59.5#



#71
Phenanthrene
Concen: 3.89 ng
RT: 17.304 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

Tgt Ion:178 Resp: 187790
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 15.9 12.4 18.6

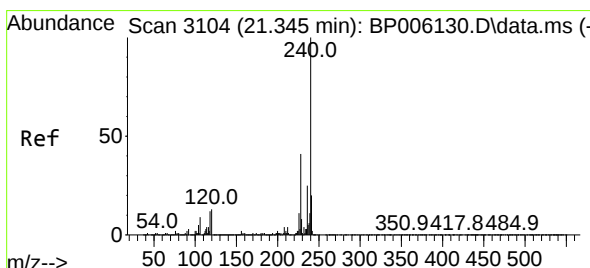
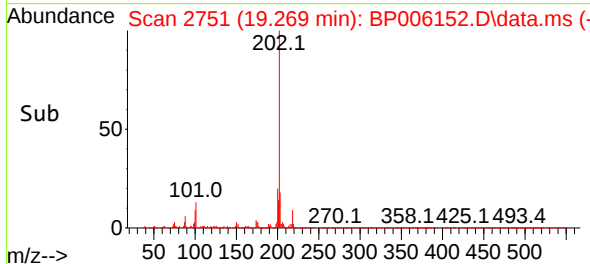
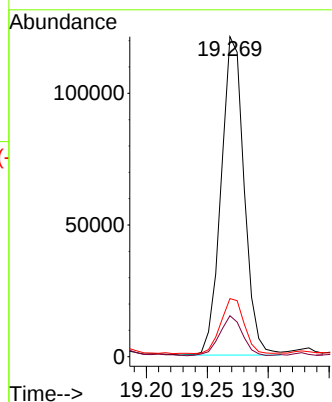
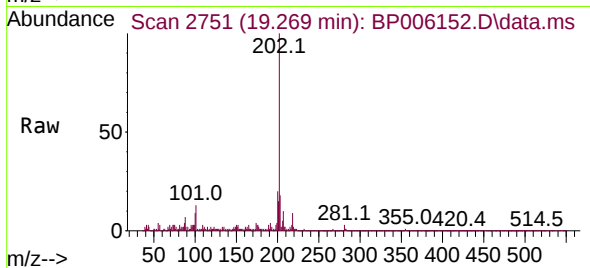




#75
Fluoranthene
Concen: 3.00 ng
RT: 19.269 min Scan# 2751
Delta R.T. -0.006 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

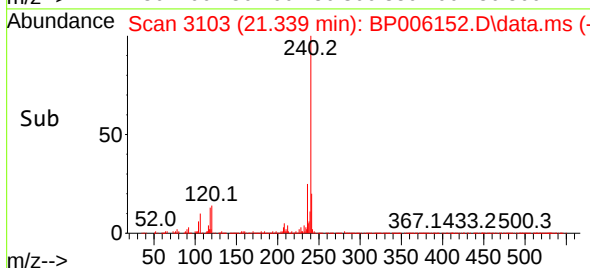
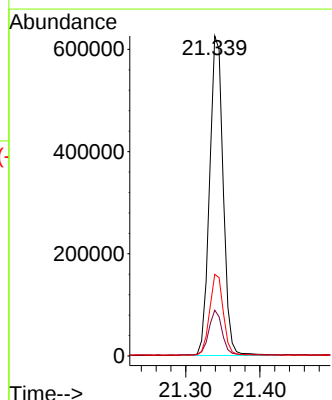
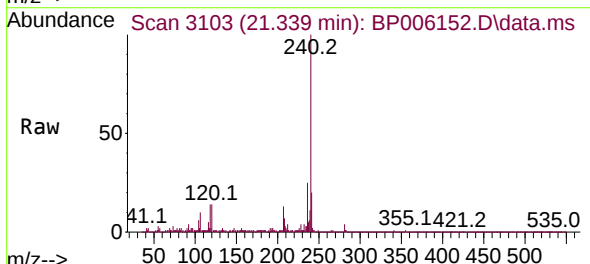
Instrument :
BNA_P
ClientSampleId :
D9-SOIL-PILE

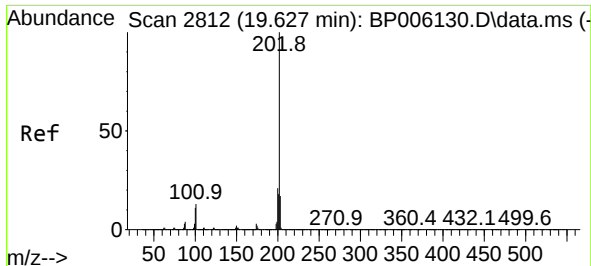
Tgt Ion:202 Resp: 158724
Ion Ratio Lower Upper
202 100
101 12.8 0.0 27.6
203 18.2 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.339 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

Tgt Ion:240 Resp: 796648
Ion Ratio Lower Upper
240 100
120 14.3 6.5 9.7#
236 25.5 20.6 31.0

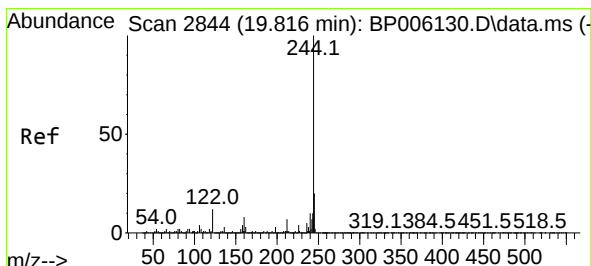
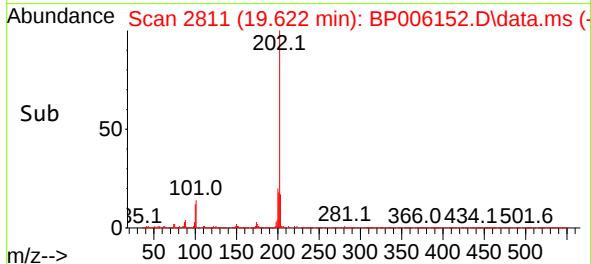
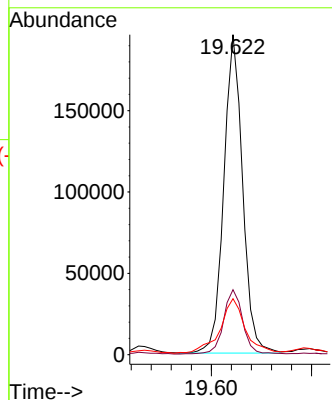
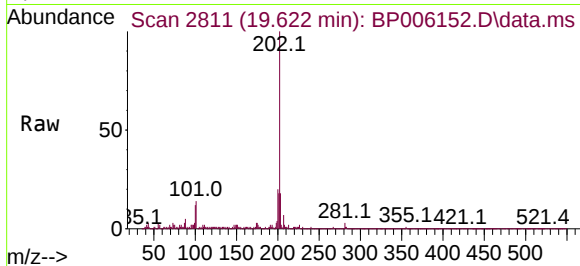




#78
 Pyrene
 Concen: 4.74 ng
 RT: 19.622 min Scan# 2811
 Delta R.T. -0.006 min
 Lab File: BP006152.D
 Acq: 08 Jul 2021 22:07

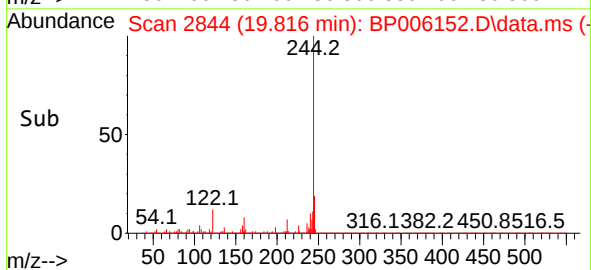
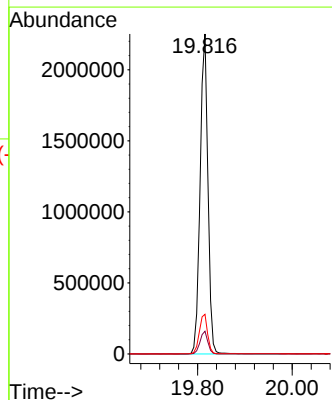
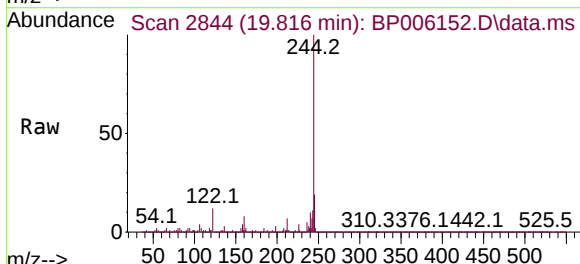
Instrument :
 BNA_P
 ClientSampleId :
 D9-SOIL-PILE

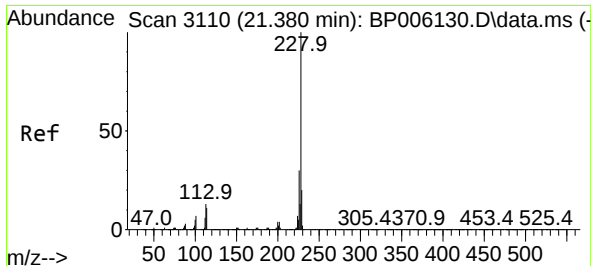
Tgt Ion:202 Resp: 255099
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.3 24.5
 203 17.5 14.2 21.2



#79
 Terphenyl-d14
 Concen: 63.43 ng
 RT: 19.816 min Scan# 2844
 Delta R.T. 0.000 min
 Lab File: BP006152.D
 Acq: 08 Jul 2021 22:07

Tgt Ion:244 Resp: 2563084
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 12.4 7.1 10.7#

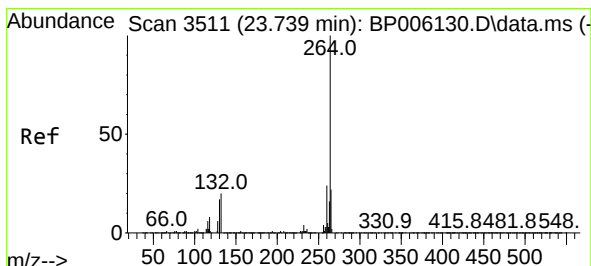
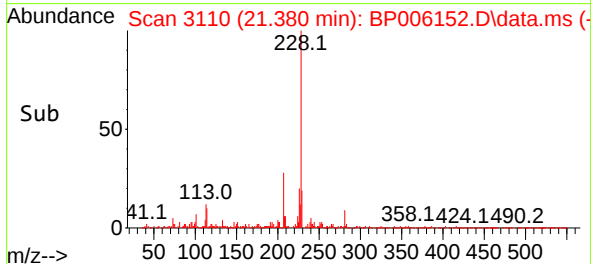
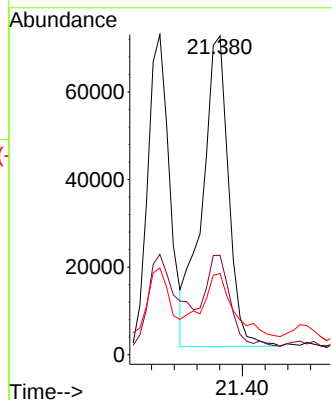
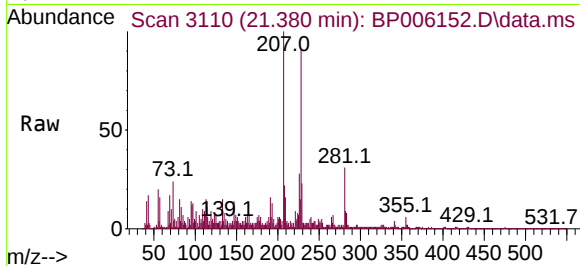




#83
Chrysene
Concen: 2.31 ng
RT: 21.380 min Scan# 3110
Delta R.T. 0.000 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

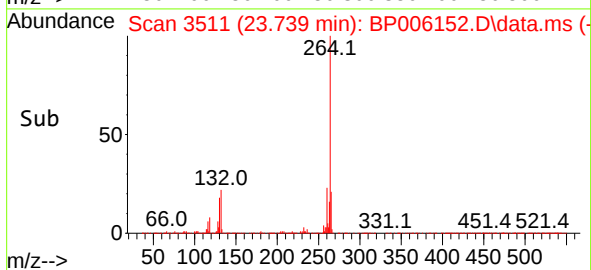
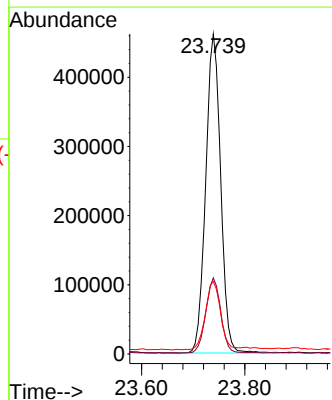
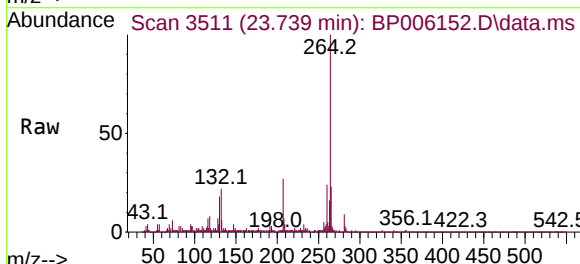
Instrument :
BNA_P
ClientSampleId :
D9-SOIL-PILE

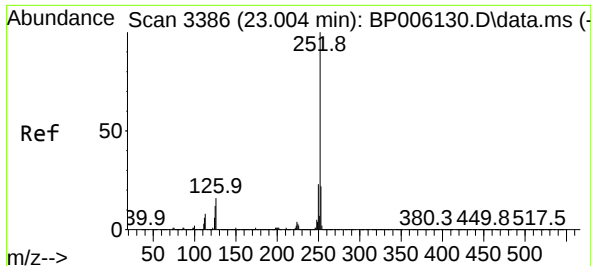
Tgt Ion:228 Resp: 115041
Ion Ratio Lower Upper
228 100
226 31.2 23.8 35.6
229 25.4 15.4 23.2#



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.739 min Scan# 3511
Delta R.T. 0.000 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

Tgt Ion:264 Resp: 926887
Ion Ratio Lower Upper
264 100
260 23.8 18.6 28.0
265 22.7 17.6 26.4

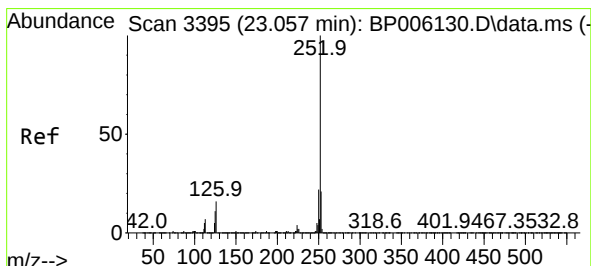
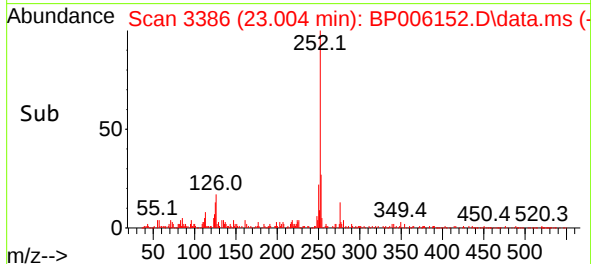
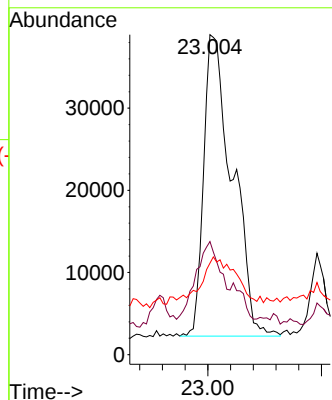
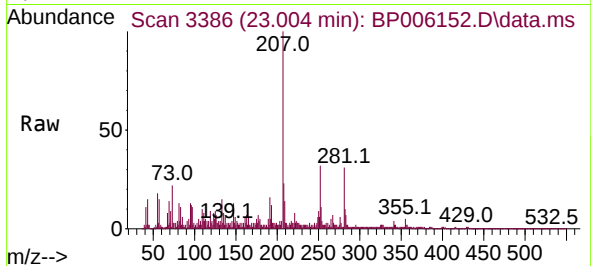




#88
Benzo(b)fluoranthene
Concen: 2.28 ng
RT: 23.004 min Scan# 3386
Delta R.T. 0.000 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

Instrument :
BNA_P
ClientSampleId :
D9-SOIL-PILE

Tgt Ion:252 Resp: 128451
Ion Ratio Lower Upper
252 100
253 35.4 17.5 26.3#
125 28.6 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 2.34 ng
RT: 23.004 min Scan# 3386
Delta R.T. -0.053 min
Lab File: BP006152.D
Acq: 08 Jul 2021 22:07

Tgt Ion:252 Resp: 128451
Ion Ratio Lower Upper
252 100
253 35.4 17.6 26.4#
125 28.6 6.0 9.0#

