

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
 Data File : BP003946.D
 Acq On : 12 Nov 2020 19:24
 Operator : CG/JU
 Sample : L4704-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 KL-SOIL

Quant Time: Nov 13 00:16:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 12 15:22:47 2020
 Response via : Initial Calibration

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

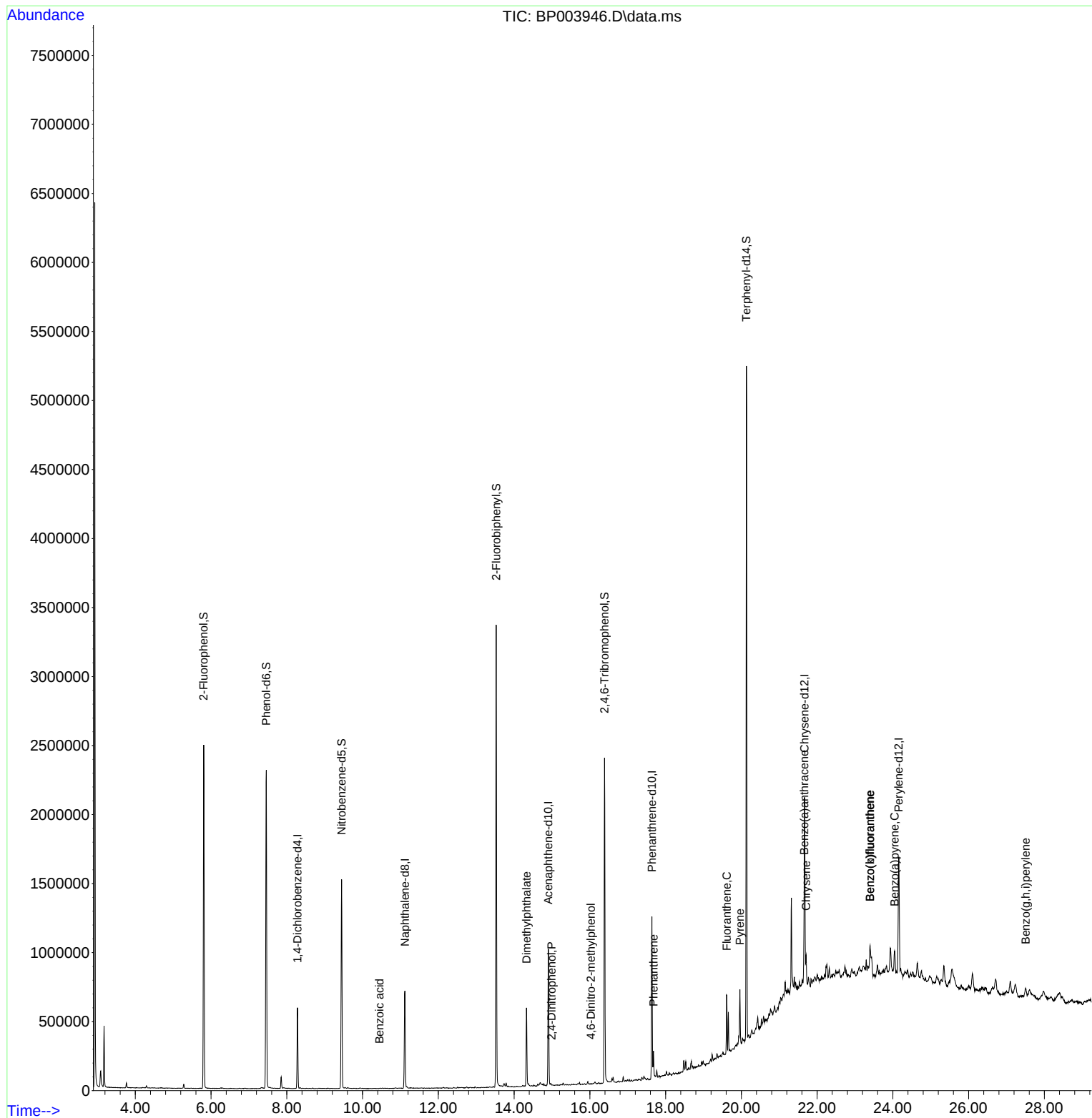
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.281	152	150768	20.00	ng	0.00
21) Naphthalene-d8	11.116	136	568399	20.00	ng	# 0.00
39) Acenaphthene-d10	14.904	164	332076	20.00	ng	0.00
64) Phenanthrene-d10	17.639	188	676832	20.00	ng	# 0.00
76) Chrysene-d12	21.668	240	631311	20.00	ng	0.00
86) Perylene-d12	24.157	264	681154	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.805	112	976873	108.14	ng	0.00
7) Phenol-d6	7.457	99	1270784	98.00	ng	0.00
23) Nitrobenzene-d5	9.446	82	820799	70.72	ng	0.00
42) 2,4,6-Tribromophenol	16.386	330	433186	104.30	ng	0.00
45) 2-Fluorobiphenyl	13.528	172	1689276	71.12	ng	0.00
79) Terphenyl-d14	20.133	244	2087077	63.87	ng	0.00
Target Compounds						
9) Benzaldehyde	7.387	77	1087	Below Cal	#	49
32) Benzoic acid	10.445	122	34	8.31 ng	#	1
50) Dimethylphthalate	14.328	163	356973	13.75 ng		99
54) 2,4-Dinitrophenol	14.986	184	43	2.75 ng	#	1
65) 4,6-Dinitro-2-methylph...	16.028	198	25	6.35 ng	#	1
71) Phenanthrene	17.680	178	114400	3.01 ng		98
75) Fluoranthene	19.616	202	253761	5.79 ng		99
78) Pyrene	19.963	202	226421	5.29 ng		99
81) Benzo(a)anthracene	21.657	228	137975	3.31 ng		97
83) Chrysene	21.710	228	138300	3.46 ng		97
88) Benzo(b)fluoranthene	23.398	252	240962	5.41 ng	#	92
89) Benzo(k)fluoranthene	23.398	252	240962	5.47 ng	#	93
90) Benzo(a)pyrene	24.045	252	127144	3.08 ng	#	89
92) Benzo(g,h,i)perylene	27.509	276	86173	2.17 ng		94

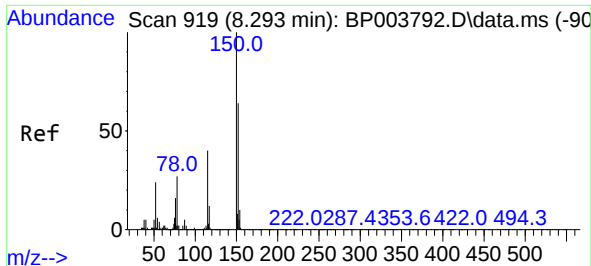
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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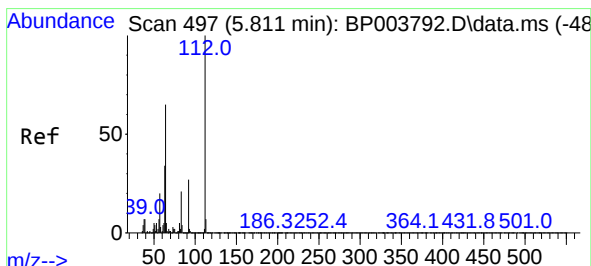
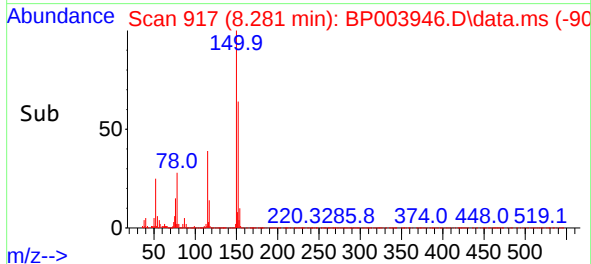
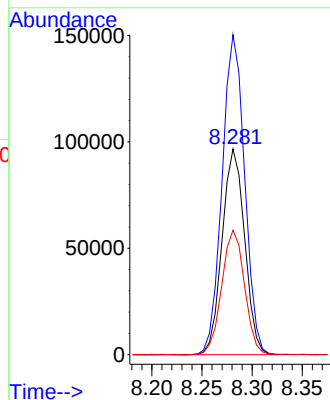
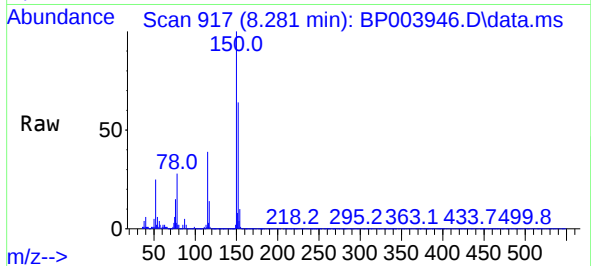




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.281 min Scan# 917
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

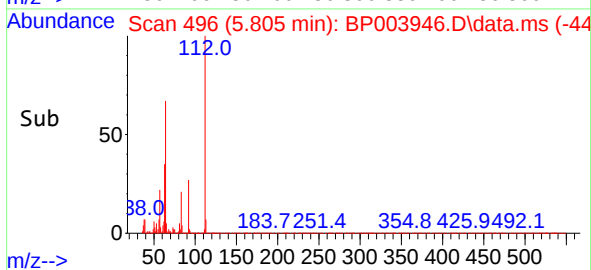
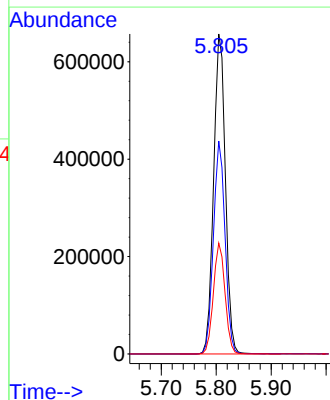
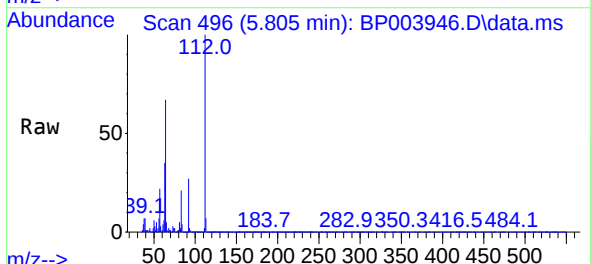
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BNA_P
ClientSampleId :
KL-SOIL

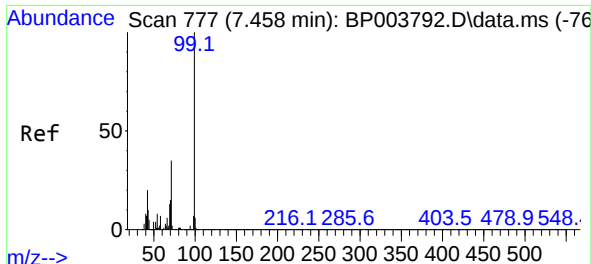
Tgt Ion:152 Resp: 150768
Ion Ratio Lower Upper
152 100
150 155.7 123.8 185.6
115 60.6 43.8 65.6



#5
2-Fluorophenol
Concen: 108.14 ng
RT: 5.805 min Scan# 496
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

Tgt Ion:112 Resp: 976873
Ion Ratio Lower Upper
112 100
64 66.6 32.8 49.2#
63 34.6 17.0 25.4#

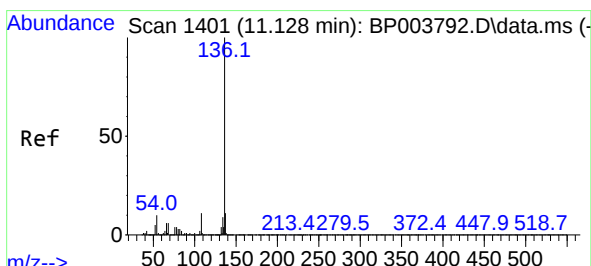
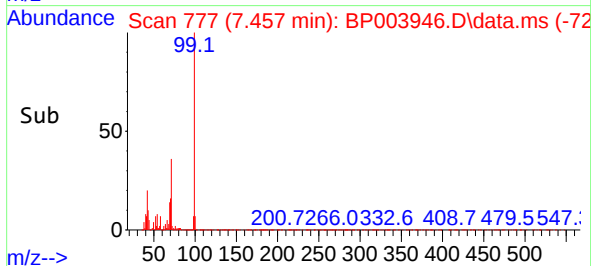
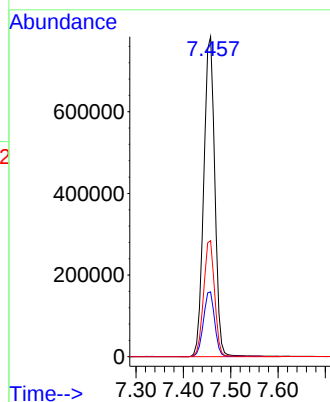
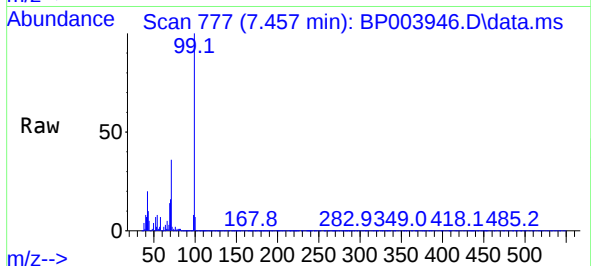




#7
Phenol-d6
Concen: 98.00 ng
RT: 7.457 min Scan# 777
Delta R.T. 0.006 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

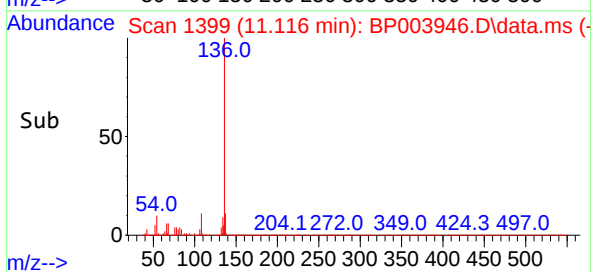
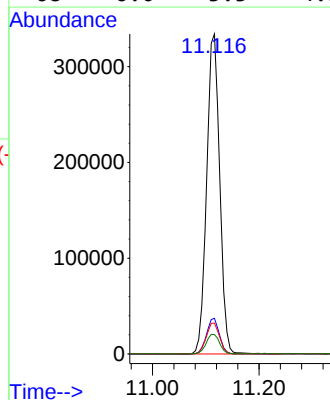
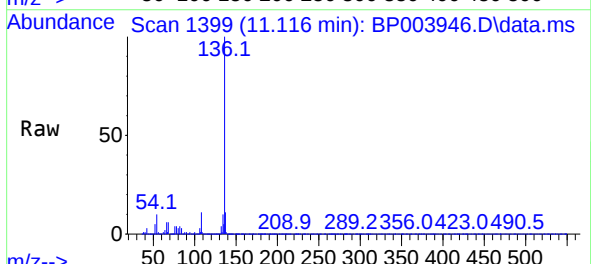
Instrument :
BNA_P
ClientSampled :
KL-SOIL

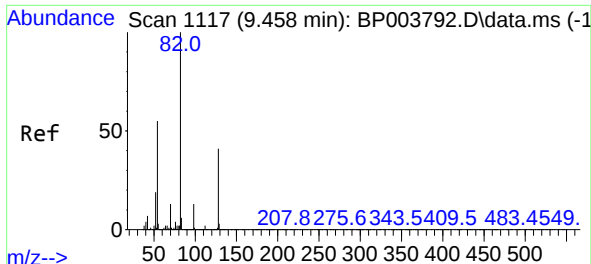
Tgt Ion: 99 Resp: 1270784
Ion Ratio Lower Upper
99 100
42 20.3 8.6 13.0#
71 36.3 23.4 35.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.116 min Scan# 1399
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

Tgt Ion:136 Resp: 568399
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.6 3.6 5.4#
68 6.0 3.3 4.9#

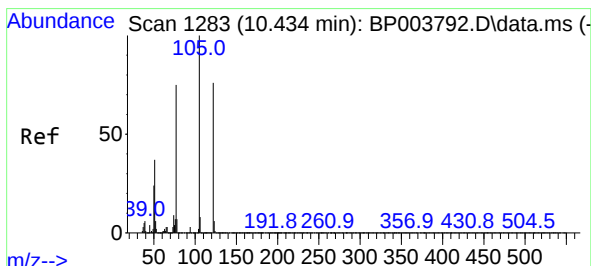
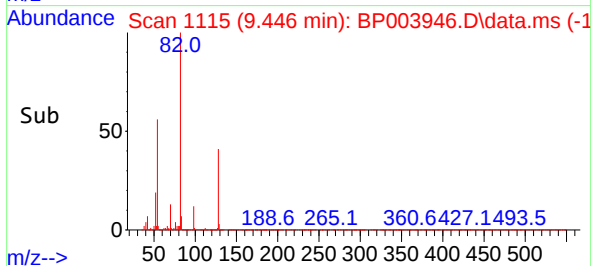
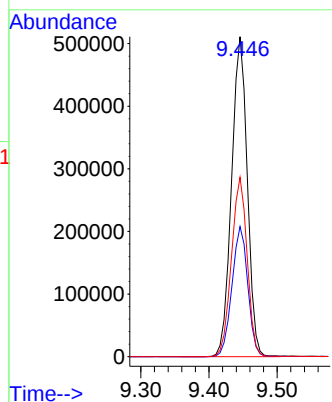
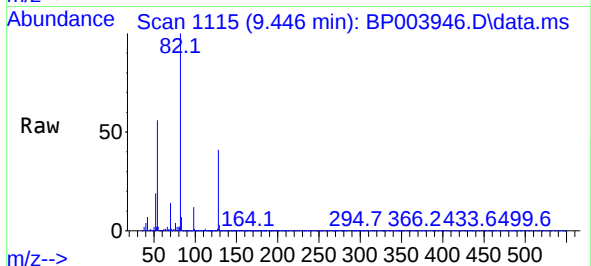




#23
Nitrobenzene-d5
Concen: 70.72 ng
RT: 9.446 min Scan# 1115
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

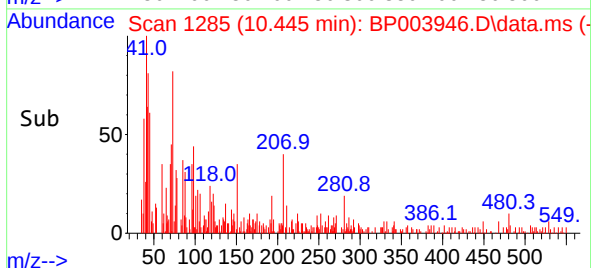
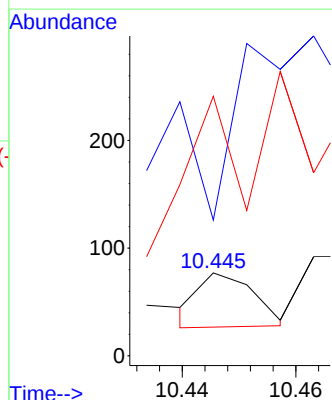
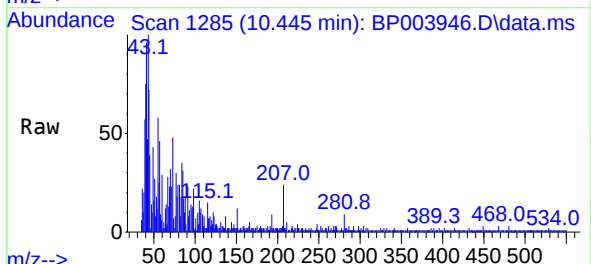
Instrument :
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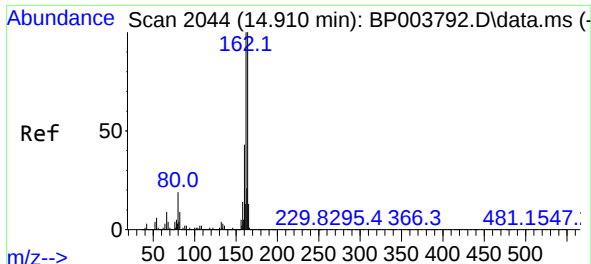
Tgt Ion: 82 Resp: 820799
Ion Ratio Lower Upper
82 100
128 40.7 45.6 68.4#
54 56.0 30.1 45.1#



#32
Benzoic acid
Concen: 8.31 ng
RT: 10.445 min Scan# 1285
Delta R.T. 0.006 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

Tgt Ion: 122 Resp: 34
Ion Ratio Lower Upper
122 100
105 163.6 94.1 134.1#
77 313.0 50.1 90.1#

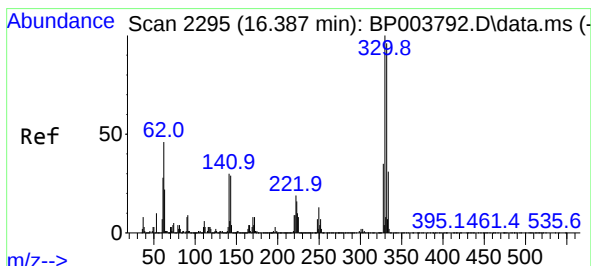
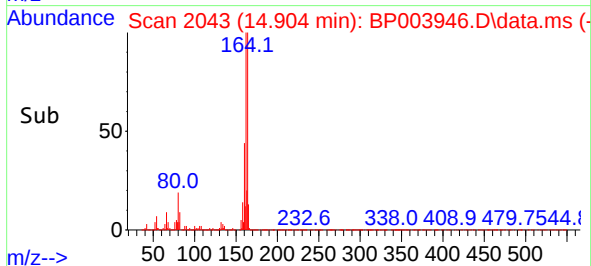
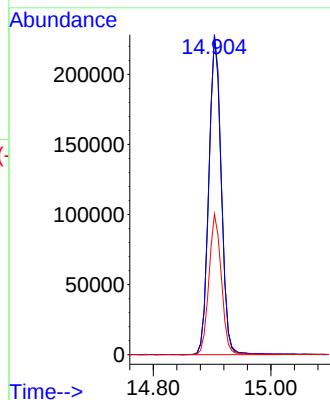
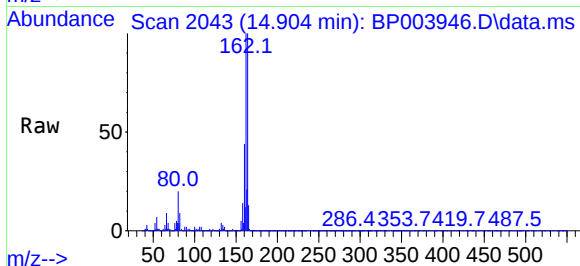




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.904 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

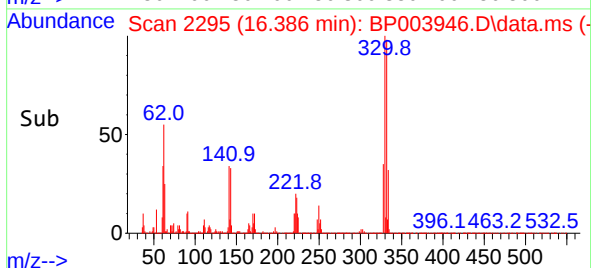
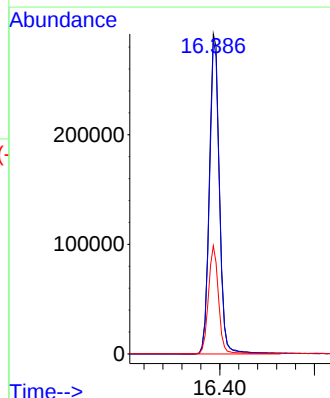
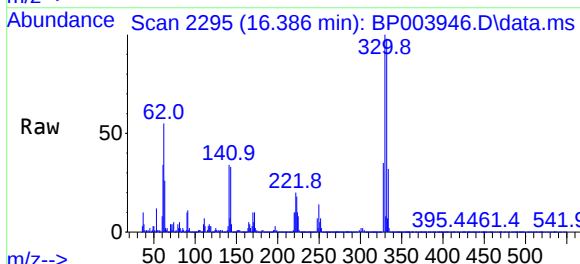
Instrument :
BNA_P
ClientSampleId :
KL-SOIL

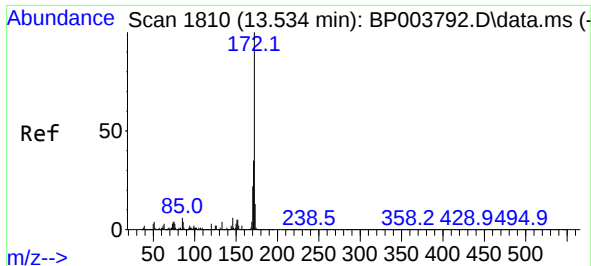
Tgt Ion:164 Resp: 332076
Ion Ratio Lower Upper
164 100
162 100.3 79.4 119.2
160 44.1 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 104.30 ng
RT: 16.386 min Scan# 2295
Delta R.T. -0.006 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

Tgt Ion:330 Resp: 433186
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 33.2 23.4 35.2

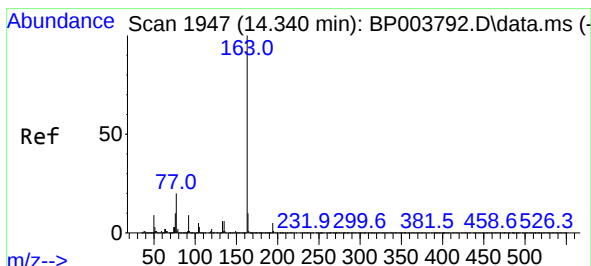
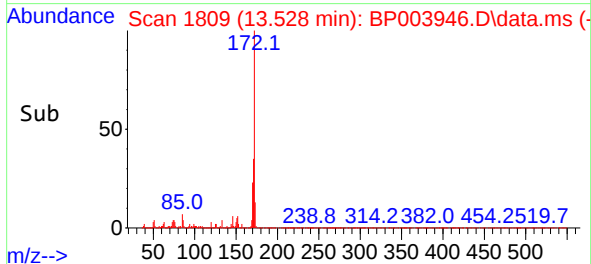
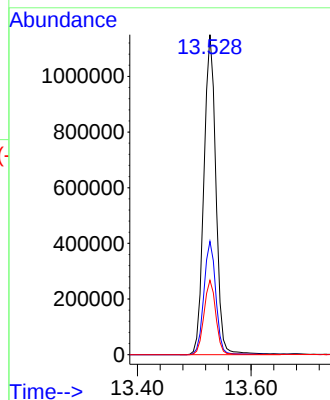
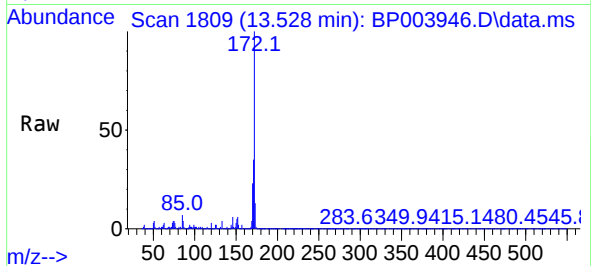




#45
2-Fluorobiphenyl
Concen: 71.12 ng
RT: 13.528 min Scan# 1809
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

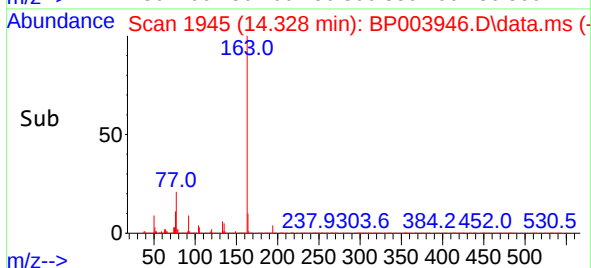
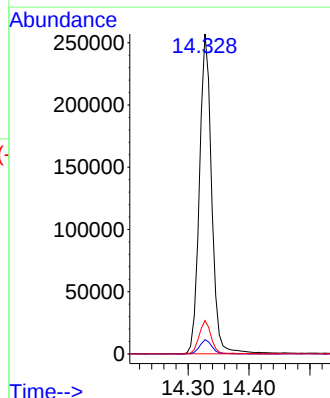
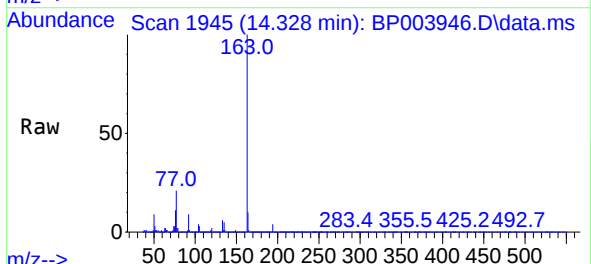
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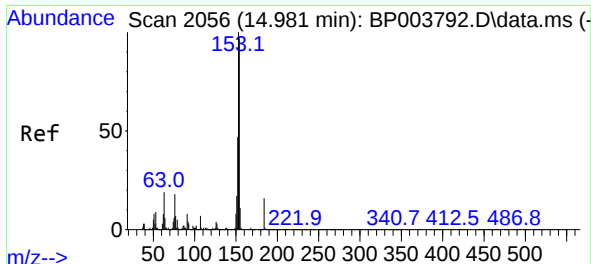
Tgt Ion:172 Resp: 1689276
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 23.3 19.2 28.8



#50
Dimethylphthalate
Concen: 13.75 ng
RT: 14.328 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

Tgt Ion:163 Resp: 356973
Ion Ratio Lower Upper
163 100
194 4.4 3.3 4.9
164 10.5 8.2 12.2

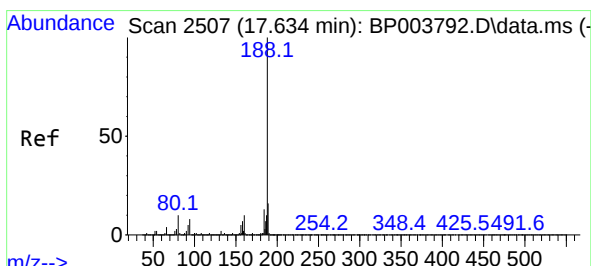
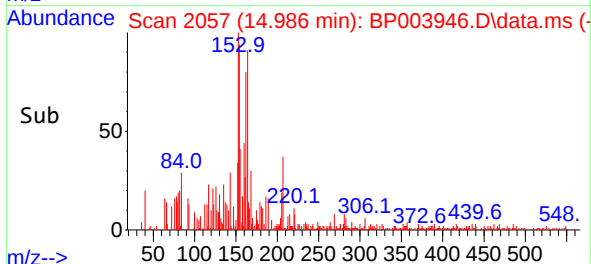
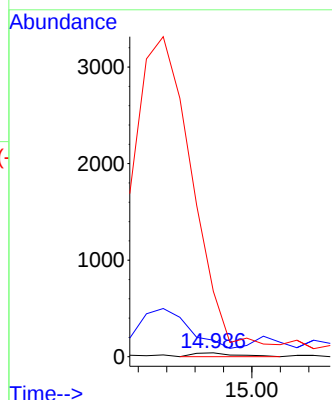
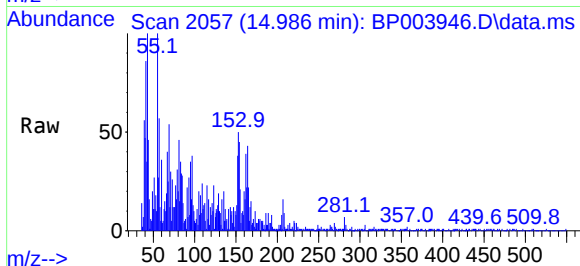




#54
2,4-Dinitrophenol
Concen: 2.75 ng
RT: 14.986 min Scan# 2057
Delta R.T. -0.012 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

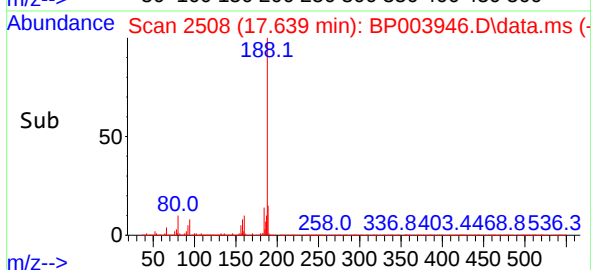
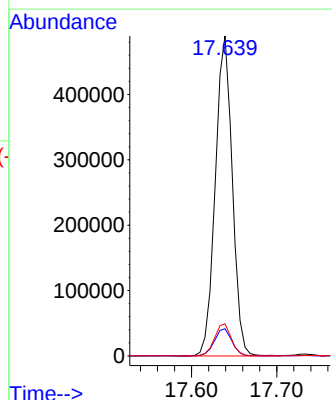
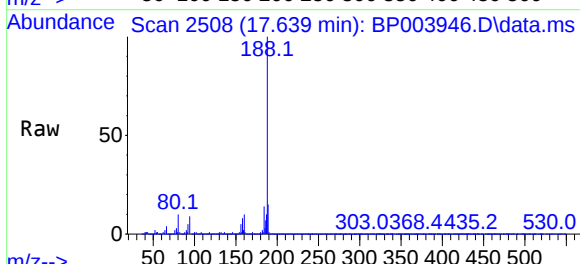
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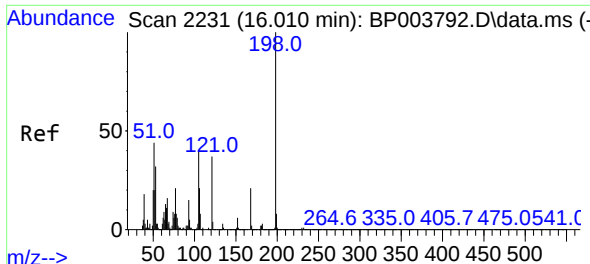
Tgt Ion:184 Resp: 43
Ion Ratio Lower Upper
184 100
63 390.9 32.3 48.5#
154 1543.2 49.1 73.7#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.639 min Scan# 2508
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

Tgt Ion:188 Resp: 676832
Ion Ratio Lower Upper
188 100
94 8.5 6.2 9.2
80 10.1 6.2 9.2#

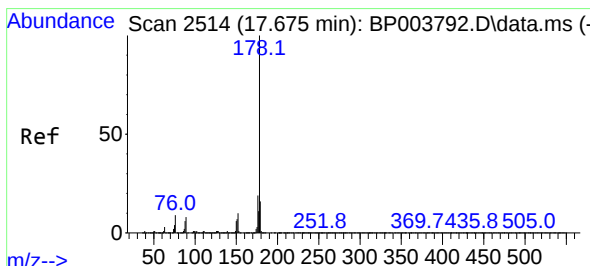
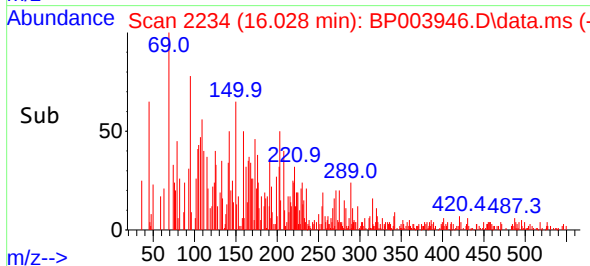
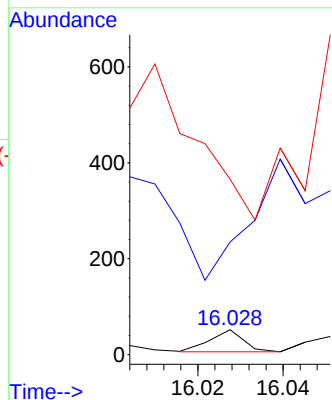
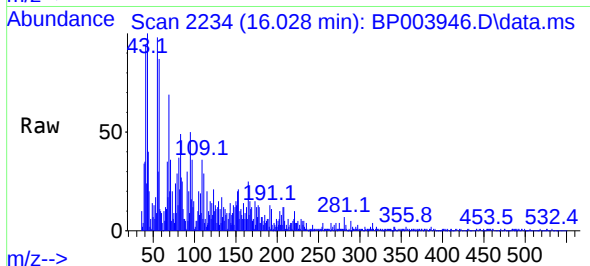




#65
4,6-Dinitro-2-methylphenol
Concen: 6.35 ng
RT: 16.028 min Scan# 2234
Delta R.T. 0.006 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

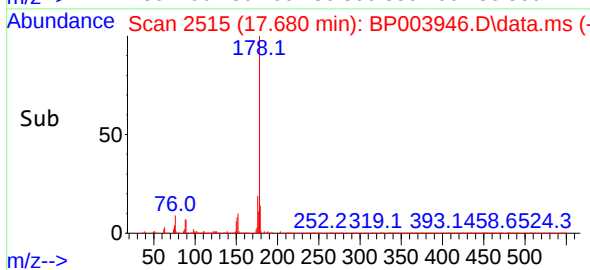
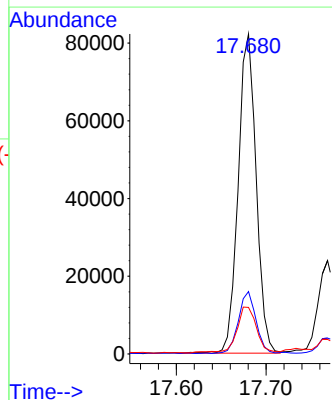
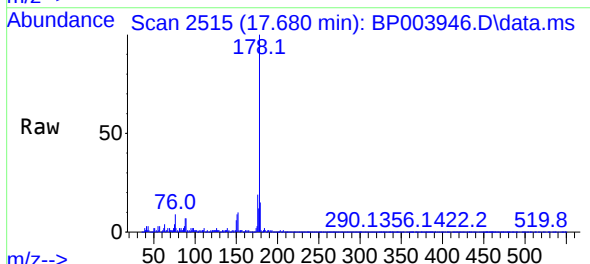
Instrument :
BNA_P
ClientSampled :
KL-SOIL

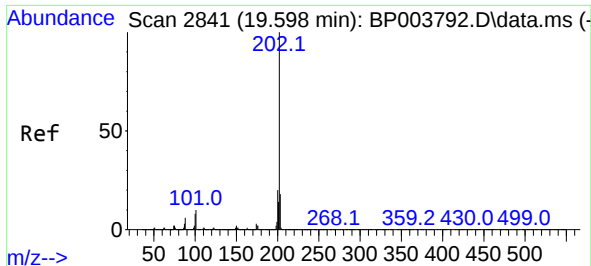
Tgt Ion:198	Resp:	25
Ion Ratio	Lower	Upper
198	100	
51	451.9	6.4 46.4#
105	703.8	18.9 58.9#



#71
Phenanthrene
Concen: 3.01 ng
RT: 17.680 min Scan# 2515
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

Tgt Ion:178	Resp:	114400
Ion Ratio	Lower	Upper
178	100	
176	19.5	15.3 22.9
179	14.6	12.5 18.7

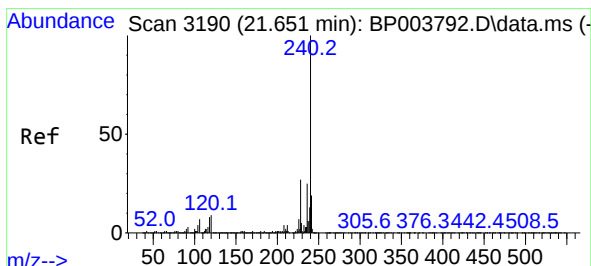
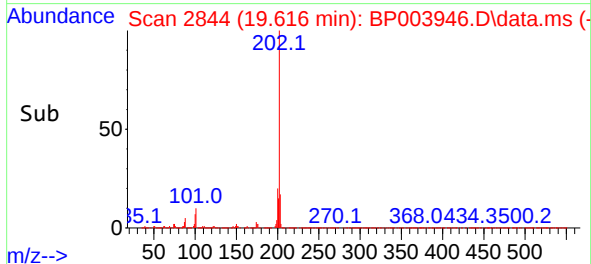
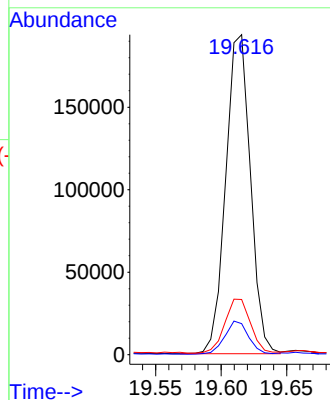
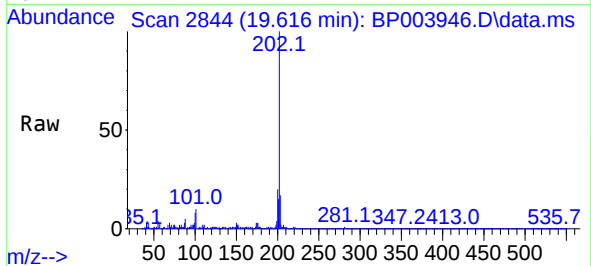




#75
Fluoranthene
Concen: 5.79 ng
RT: 19.616 min Scan# 2844
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

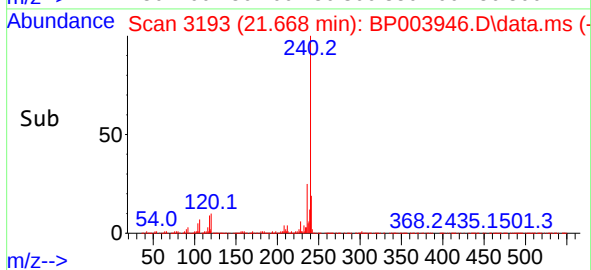
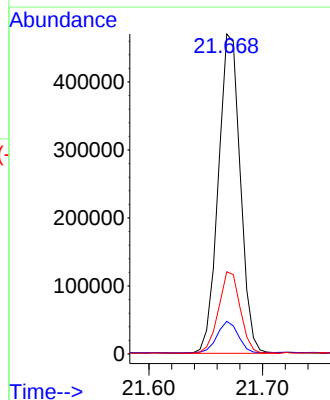
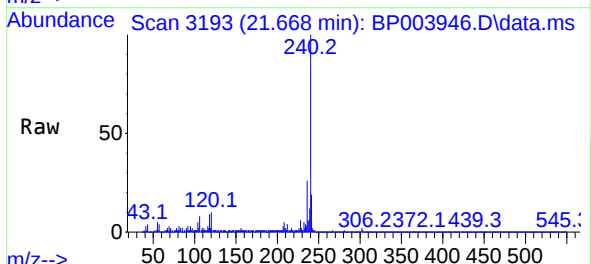
Instrument :
BNA_P
ClientSampleId :
KL-SOIL

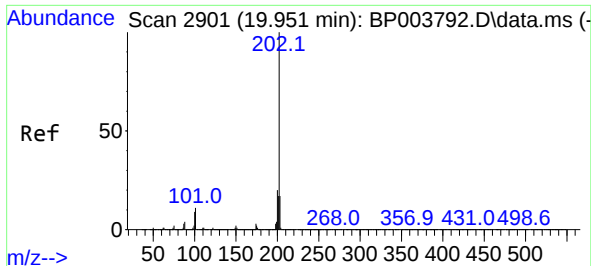
Tgt Ion:	202	Resp:	253761
Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	29.4
203	17.3	0.0	37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.668 min Scan# 3193
Delta R.T. -0.006 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

Tgt Ion:	240	Resp:	631311
Ion	Ratio	Lower	Upper
240	100		
120	10.2	7.8	11.6
236	25.7	20.8	31.2

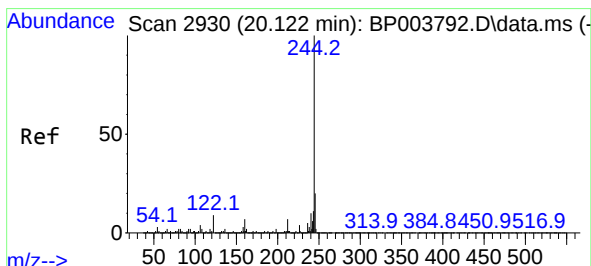
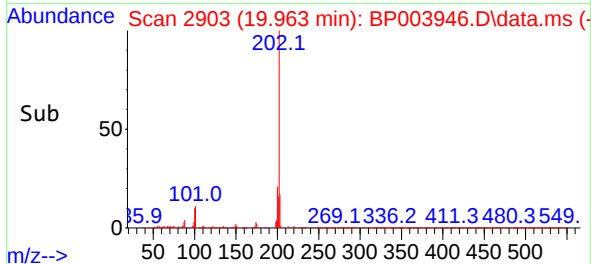
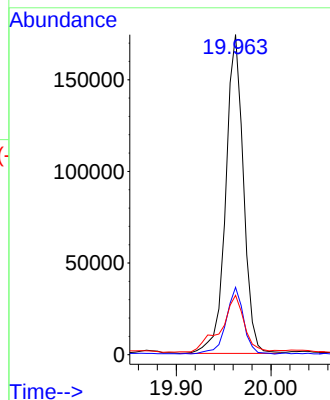
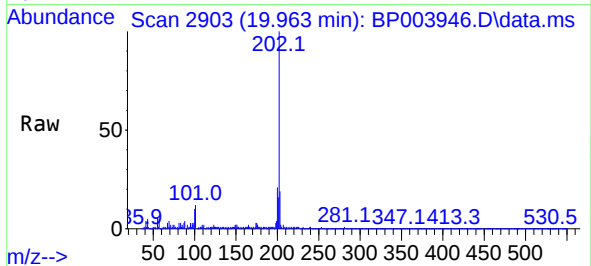




#78
Pyrene
Concen: 5.29 ng
RT: 19.963 min Scan# 2903
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

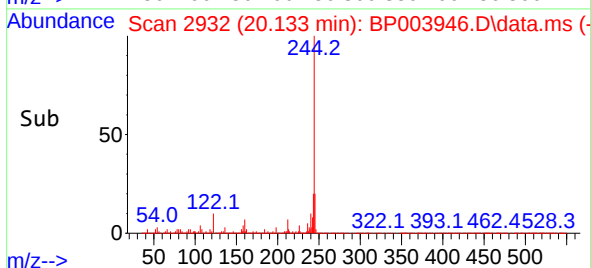
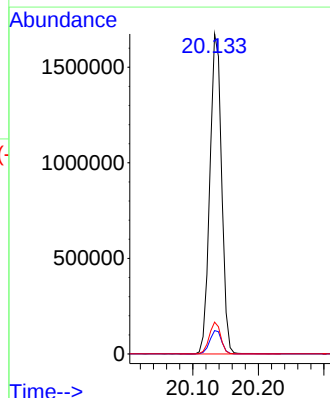
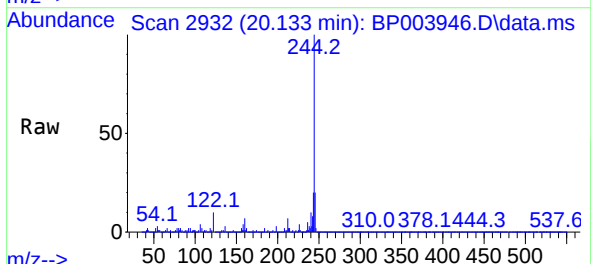
Instrument :
BNA_P
ClientSampleId :
KL-SOIL

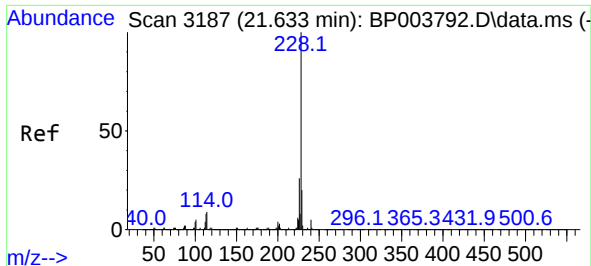
Tgt Ion:202 Resp: 226421
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 18.6 14.2 21.2



#79
Terphenyl-d14
Concen: 63.87 ng
RT: 20.133 min Scan# 2932
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

Tgt Ion:244 Resp: 2087077
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 9.9 7.8 11.8

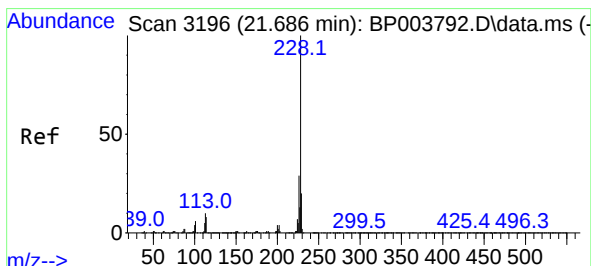
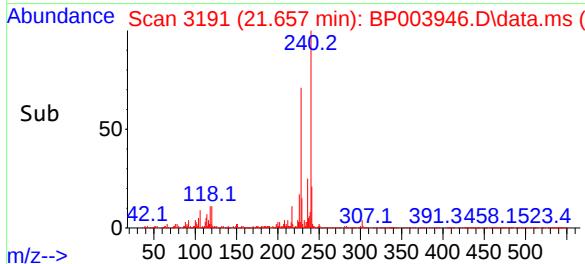
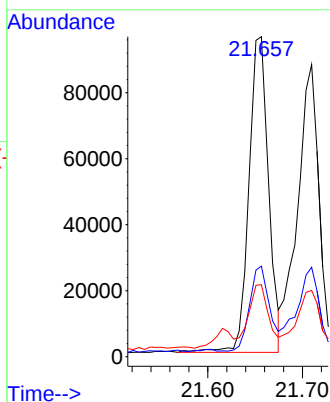
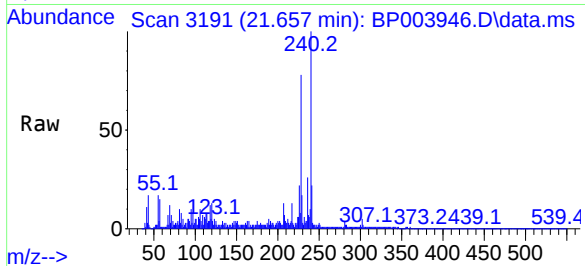




#81
Benzo(a)anthracene
Concen: 3.31 ng
RT: 21.657 min Scan# 3191
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

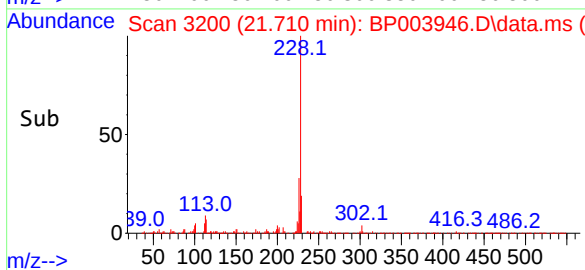
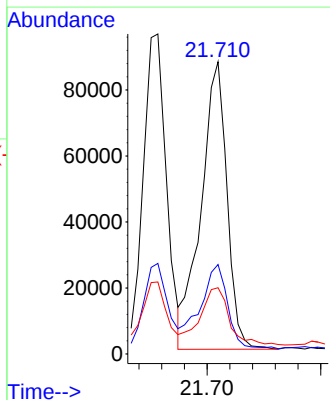
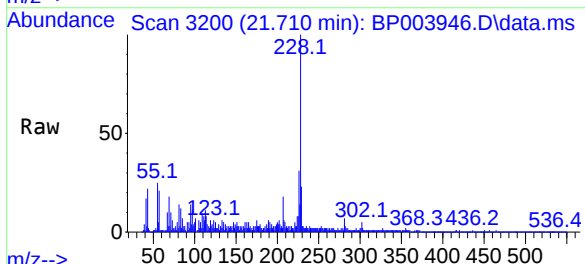
Instrument :
BNA_P
ClientSampleId :
KL-SOIL

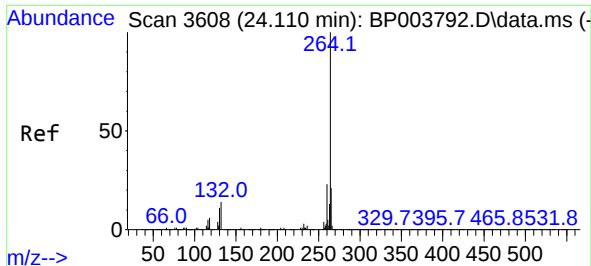
Tgt Ion:228	Resp: 137975
Ion Ratio	Lower Upper
228 100	
226 28.3	22.1 33.1
229 22.5	15.9 23.9



#83
Chrysene
Concen: 3.46 ng
RT: 21.710 min Scan# 3200
Delta R.T. -0.006 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

Tgt Ion:228	Resp: 138300
Ion Ratio	Lower Upper
228 100	
226 30.6	24.4 36.6
229 22.7	15.8 23.6

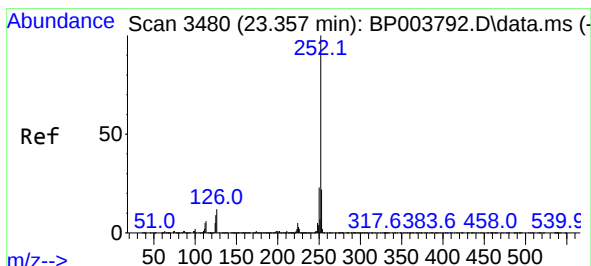
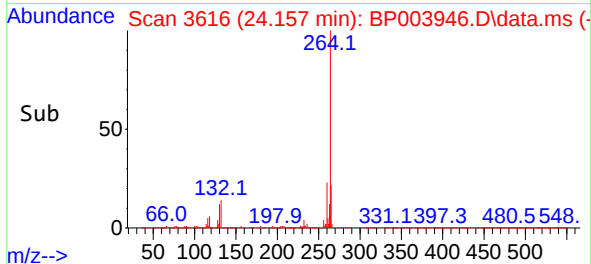
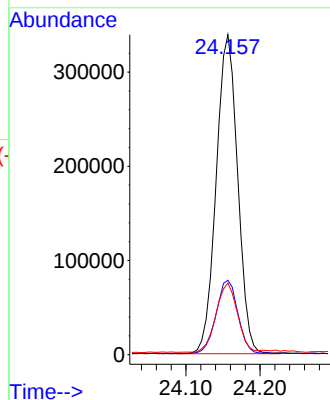
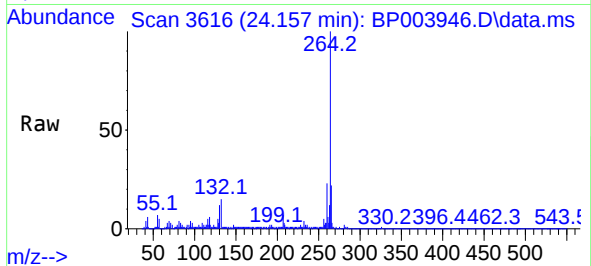




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.157 min Scan# 3616
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

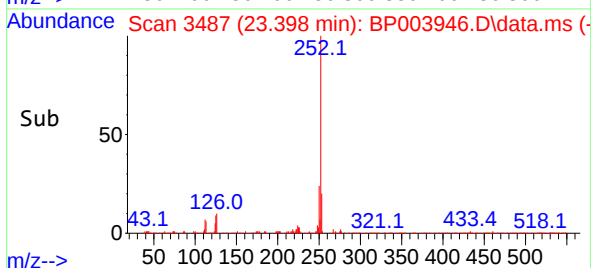
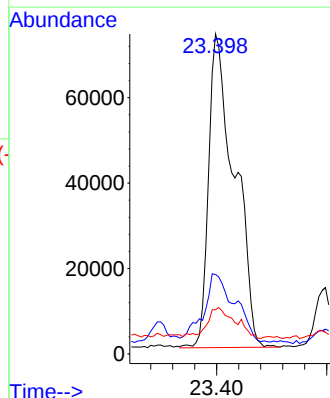
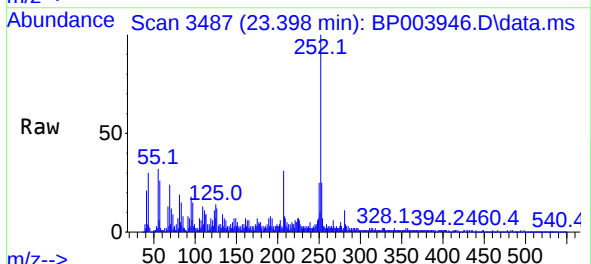
Instrument :
BNA_P
ClientSampleId :
KL-SOIL

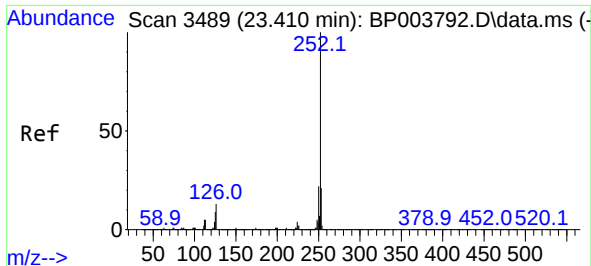
Tgt Ion:264 Resp: 681154
Ion Ratio Lower Upper
264 100
260 23.3 18.8 28.2
265 22.4 17.4 26.2



#88
Benzo(b)fluoranthene
Concen: 5.41 ng
RT: 23.398 min Scan# 3487
Delta R.T. -0.006 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

Tgt Ion:252 Resp: 240962
Ion Ratio Lower Upper
252 100
253 24.8 17.6 26.4
125 13.8 7.3 10.9#

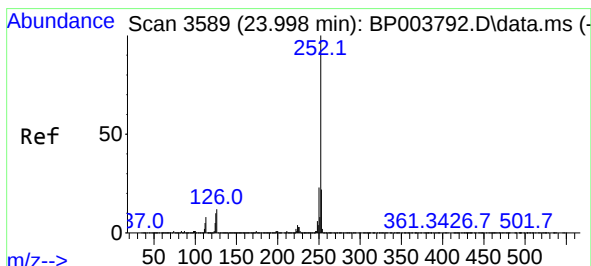
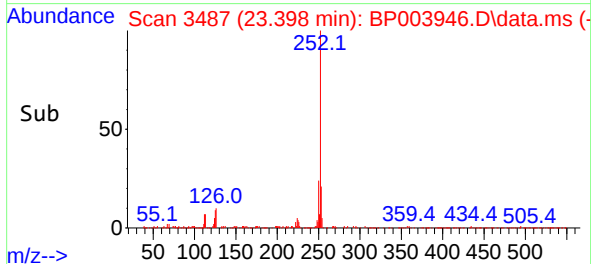
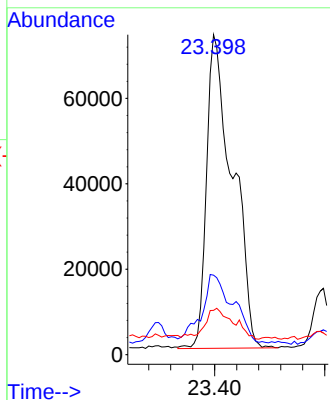
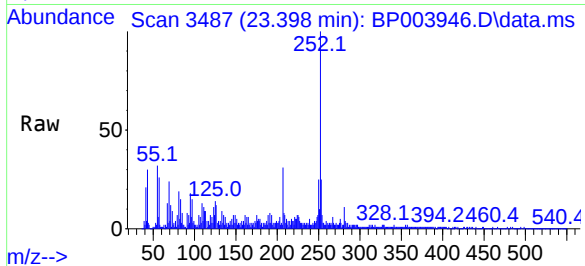




#89
Benzo(k)fluoranthene
Concen: 5.47 ng
RT: 23.398 min Scan# 3487
Delta R.T. -0.053 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

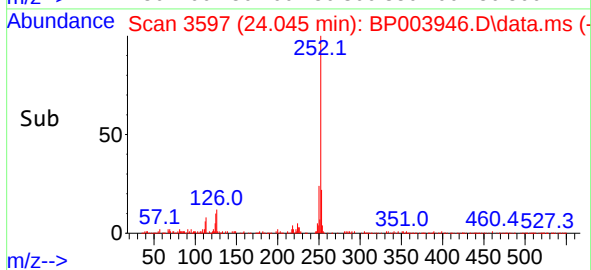
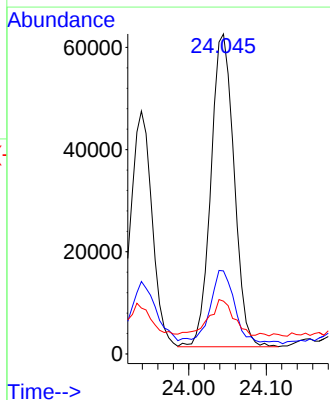
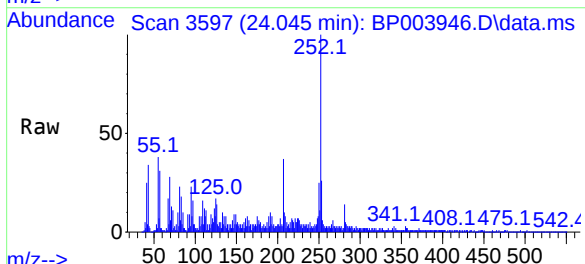
Instrument :
BNA_P
ClientSampleId :
KL-SOIL

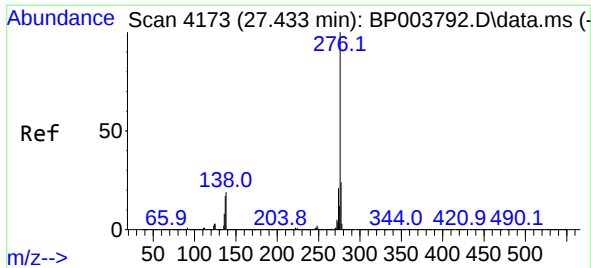
Tgt Ion:252	Resp: 240962
Ion Ratio	Lower Upper
252	100
253	24.8 17.8 26.8
125	13.8 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 3.08 ng
RT: 24.045 min Scan# 3597
Delta R.T. -0.006 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

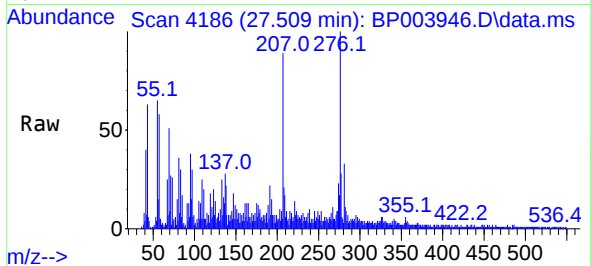
Tgt Ion:252	Resp: 127144
Ion Ratio	Lower Upper
252	100
253	26.0 17.4 26.0
125	16.5 8.2 12.4#





#92
Benzo(g,h,i)perylene
Concen: 2.17 ng
RT: 27.509 min Scan# 4186
Delta R.T. -0.012 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

Instrument :
BNA_P
ClientSampleId :
KL-SOIL



Tgt Ion:	276	Resp:	86173
Ion	Ratio	Lower	Upper
276	100		
277	28.4	19.0	28.6
138	22.1	16.6	24.8

