

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110520\
 Data File : BN012505.D
 Acq On : 05 Nov 2020 17:36
 Operator : CG/JU
 Sample : L4548-13DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOILD

Quant Time: Nov 06 00:56:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN110420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 05 05:46:47 2020
 Response via : Initial Calibration

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

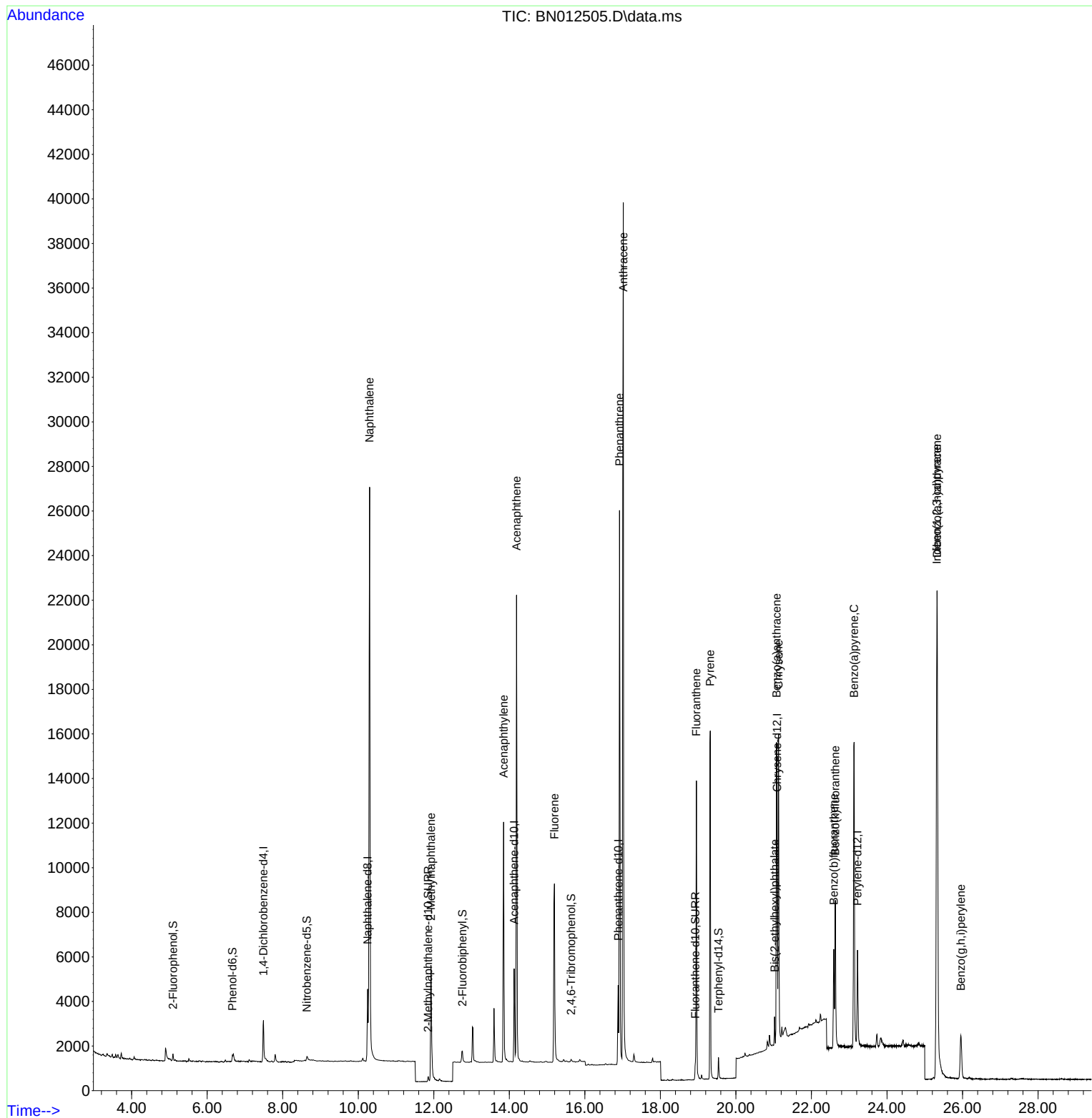
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.489	152	1054	0.40	ng	0.00
7) Naphthalene-d8	10.250	136	4337	0.40	ng	# 0.00
13) Acenaphthene-d10	14.128	164	2355	0.40	ng	-0.01
19) Phenanthrene-d10	16.883	188	4775	0.40	ng	# 0.00
29) Chrysene-d12	21.089	240	4789	0.40	ng	#-0.01
36) Perylene-d12	23.220	264	5240	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.098	112	212	0.06	ng	0.00
5) Phenol-d6	6.668	99	242	0.06	ng	0.00
8) Nitrobenzene-d5	8.640	82	290	0.06	ng	0.00
11) 2-Methylnaphthalene-d10	11.851	152	375	0.05	ng	0.00
14) 2,4,6-Tribromophenol	15.638	330	97	0.06	ng	0.00
15) 2-Fluorobiphenyl	12.758	172	615	0.07	ng	0.00
27) Fluoranthene-d10	18.923	212	889	0.06	ng	0.00
31) Terphenyl-d14	19.539	244	1125	0.10	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.301	128	35798	2.94	ng	96
12) 2-Methylnaphthalene	11.926	142	4499	0.57	ng	# 90
16) Acenaphthylene	13.849	152	11793	1.00	ng	99
17) Acenaphthene	14.192	154	9665	1.29	ng	91
18) Fluorene	15.194	166	6334	0.66	ng	99
25) Phenanthrene	16.919	178	24519	1.74	ng	98
26) Anthracene	17.017	178	42098	3.22	ng	99
28) Fluoranthene	18.953	202	12420	0.74	ng	99
30) Pyrene	19.320	202	14466	0.90	ng	99
32) Benzo(a)anthracene	21.078	228	10318	0.68	ng	98
33) Chrysene	21.131	228	12985	0.81	ng	98
34) Bis(2-ethylhexyl)phtha...	21.025	149	1070	0.10	ng	# 90
35) Indeno(1,2,3-cd)pyrene	25.322	276	15163	0.63	ng	# 94
37) Benzo(b)fluoranthene	22.590	252	5267	0.32	ng	# 84
38) Benzo(k)fluoranthene	22.631	252	8239	0.46	ng	# 94
39) Benzo(a)pyrene	23.128	252	18973	1.16	ng	97
40) Dibenzo(a,h)anthracene	25.329	278	29254	1.58	ng	97
41) Benzo(g,h,i)perylene	25.955	276	4151	0.22	ng	# 94

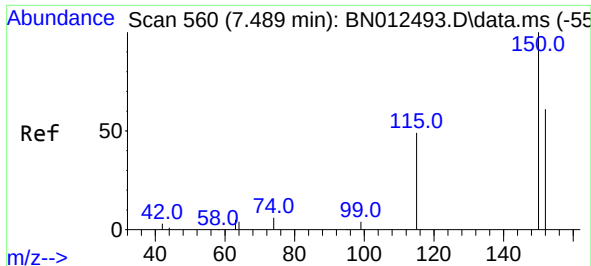
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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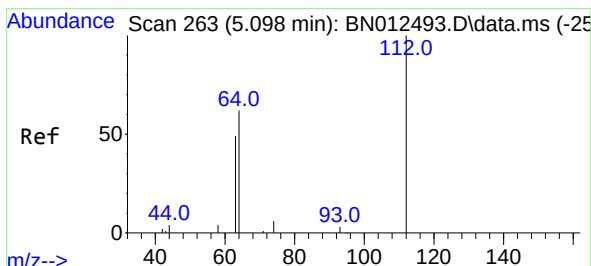
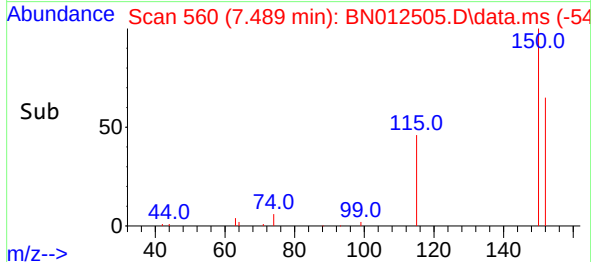
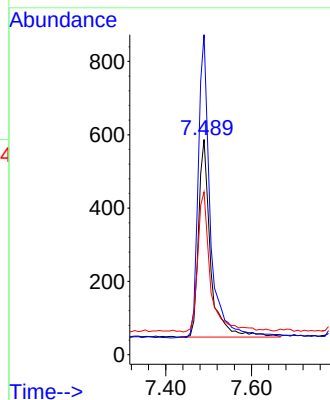
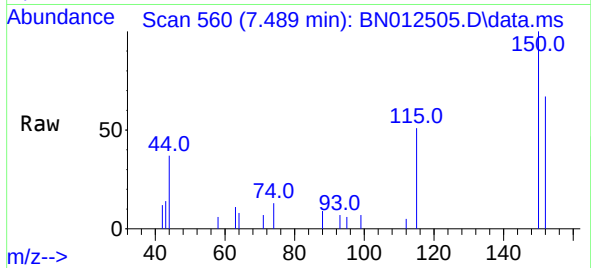




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.489 min Scan# 560
Delta R.T. 0.000 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

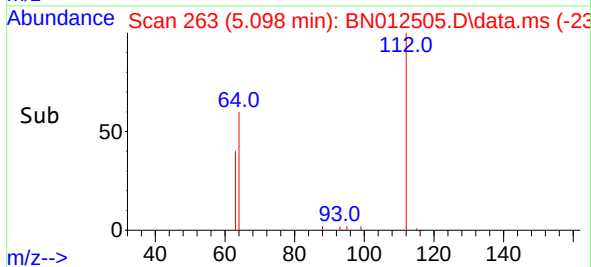
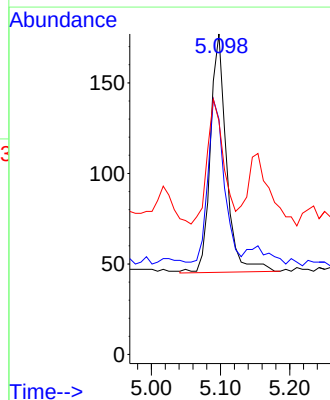
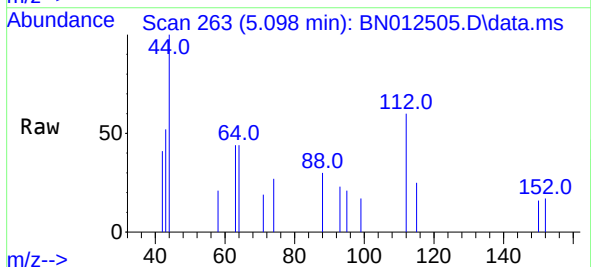
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

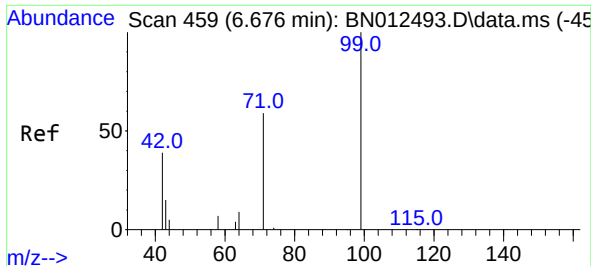
Tgt Ion:152 Resp: 1054
Ion Ratio Lower Upper
152 100
150 148.7 116.6 174.8
115 75.6 52.9 79.3



#4
2-Fluorophenol
Concen: 0.06 ng
RT: 5.098 min Scan# 263
Delta R.T. -0.000 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

Tgt Ion:112 Resp: 212
Ion Ratio Lower Upper
112 100
64 70.3 49.5 74.3
63 53.3 32.0 48.0#

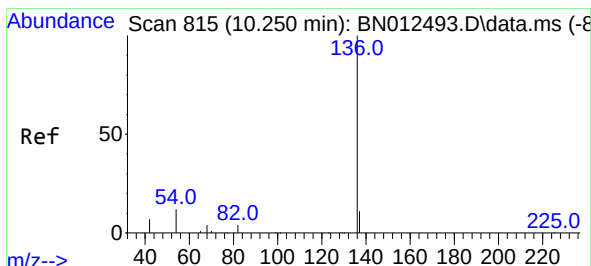
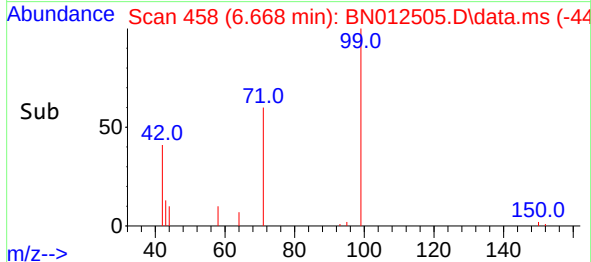
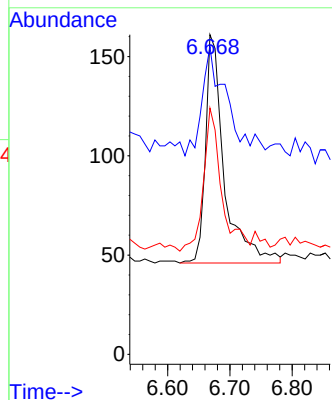
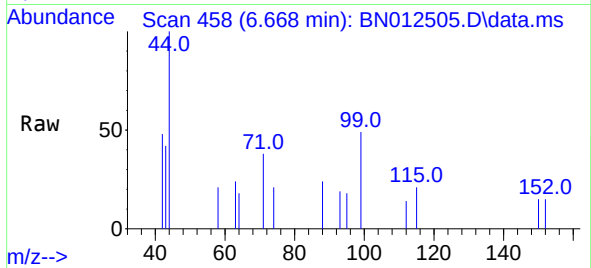




#5
Phenol-d6
Concen: 0.06 ng
RT: 6.668 min Scan# 458
Delta R.T. -0.008 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

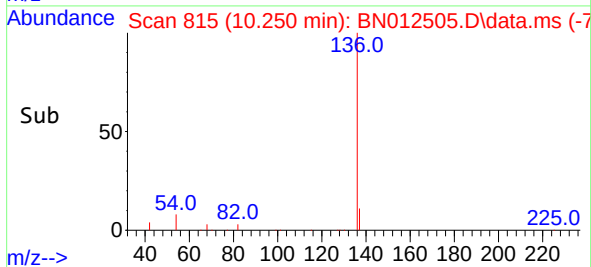
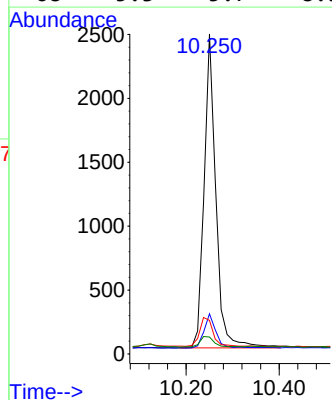
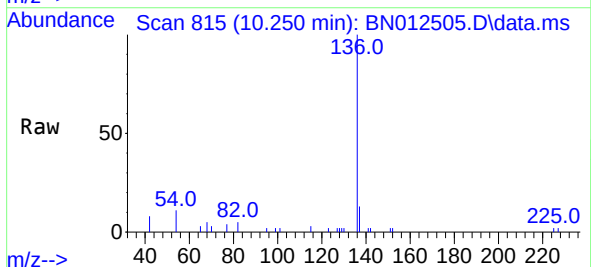
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

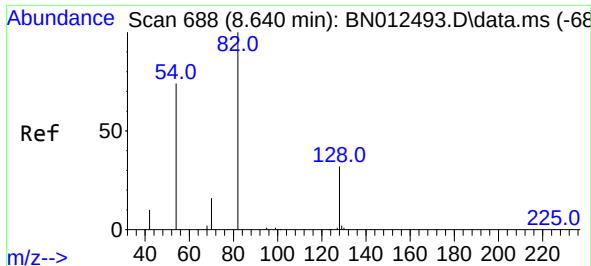
Tgt Ion: 99 Resp: 242
Ion Ratio Lower Upper
99 100
42 63.2 22.4 33.6#
71 59.5 37.8 56.6#



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.250 min Scan# 815
Delta R.T. -0.000 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

Tgt Ion: 136 Resp: 4337
Ion Ratio Lower Upper
136 100
137 12.6 10.6 15.8
54 10.5 8.6 12.8
68 5.3 5.7 8.5#

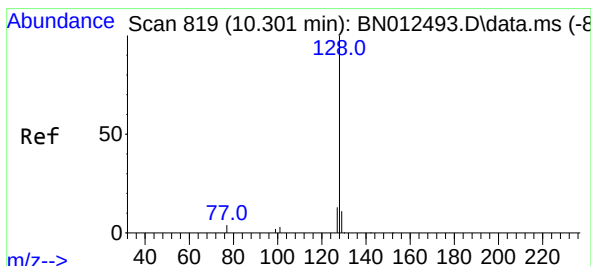
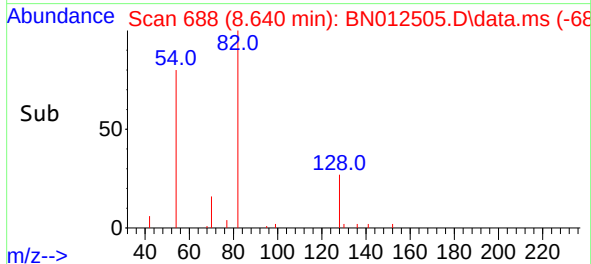
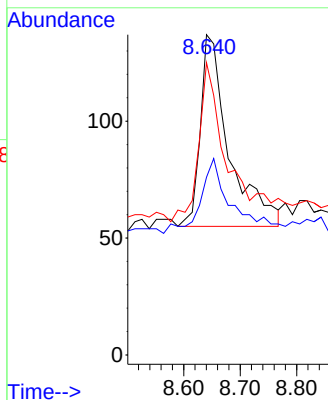
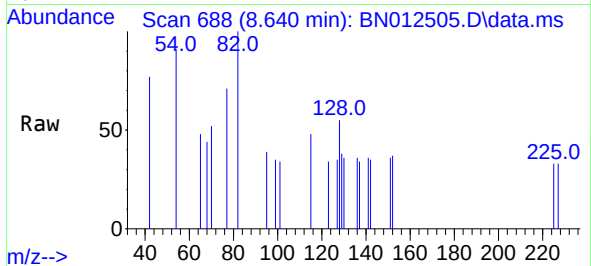




#8
Nitrobenzene-d5
Concen: 0.06 ng
RT: 8.640 min Scan# 688
Delta R.T. -0.000 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

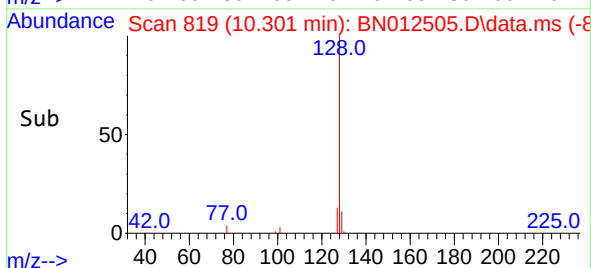
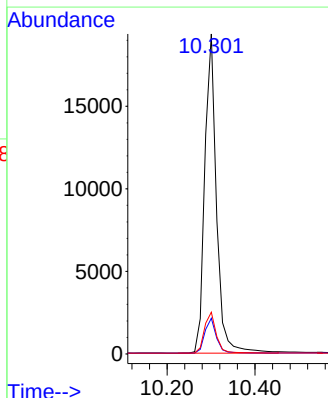
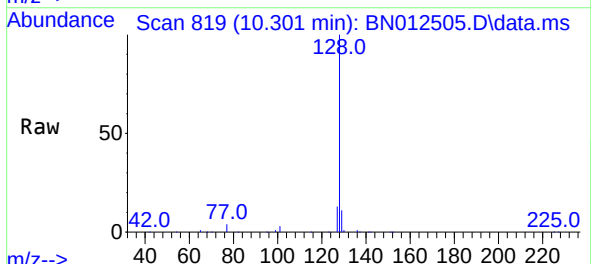
Instrument :
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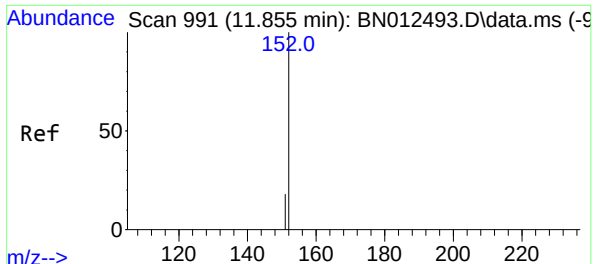
Tgt Ion: 82 Resp: 290
Ion Ratio Lower Upper
82 100
128 55.5 30.6 46.0#
54 91.2 48.3 72.5#



#9
Naphthalene
Concen: 2.94 ng
RT: 10.301 min Scan# 819
Delta R.T. -0.000 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

Tgt Ion:128 Resp: 35798
Ion Ratio Lower Upper
128 100
129 11.2 9.8 14.8
127 13.1 12.2 18.4

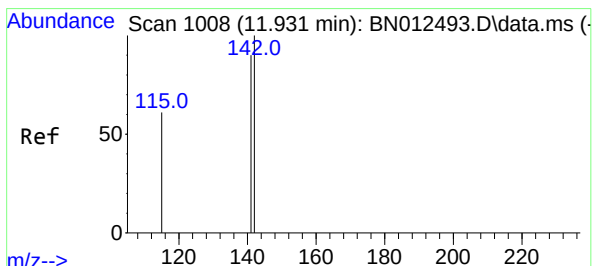
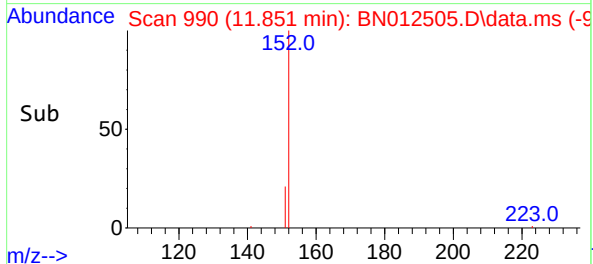
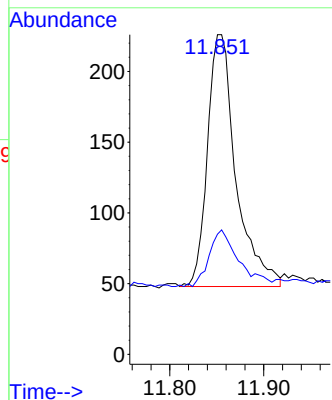
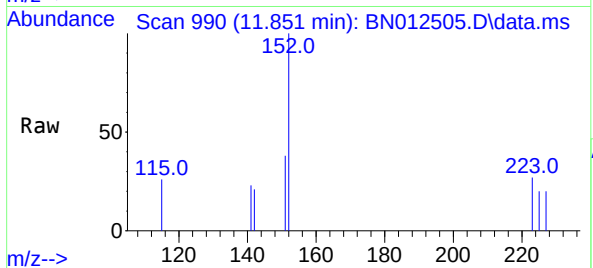




#11
2-Methylnaphthalene-d10
Concen: 0.05 ng
RT: 11.851 min Scan# 990
Delta R.T. -0.004 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

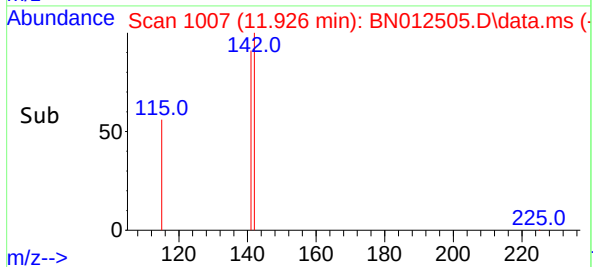
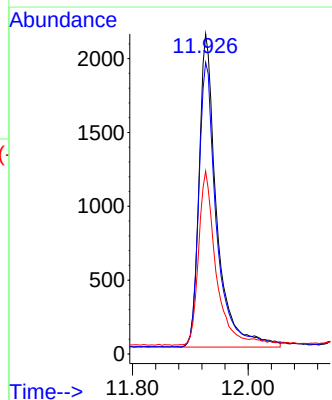
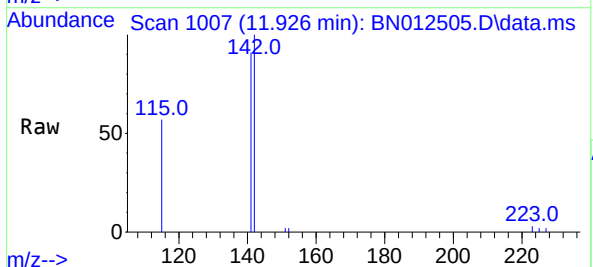
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

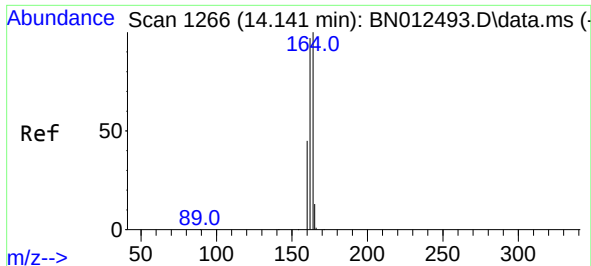
Tgt Ion:152 Resp: 375
Ion Ratio Lower Upper
152 100
151 23.5 16.7 25.1



#12
2-Methylnaphthalene
Concen: 0.57 ng
RT: 11.926 min Scan# 1007
Delta R.T. -0.004 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

Tgt Ion:142 Resp: 4499
Ion Ratio Lower Upper
142 100
141 91.1 69.4 104.2
115 57.2 35.7 53.5#



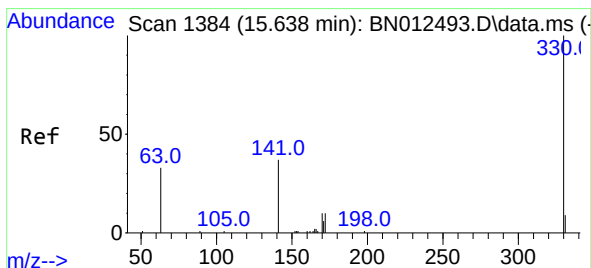
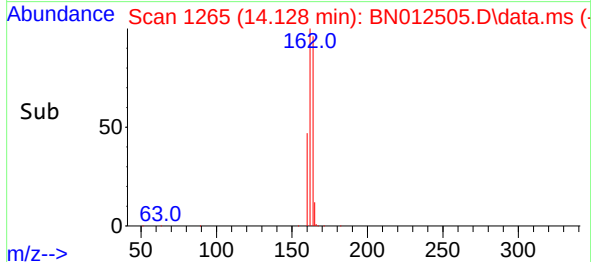
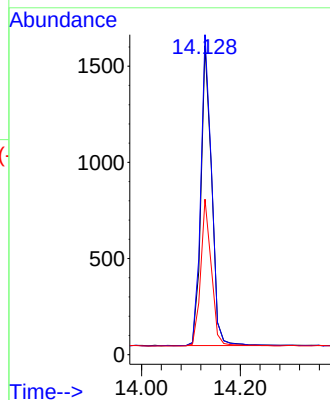
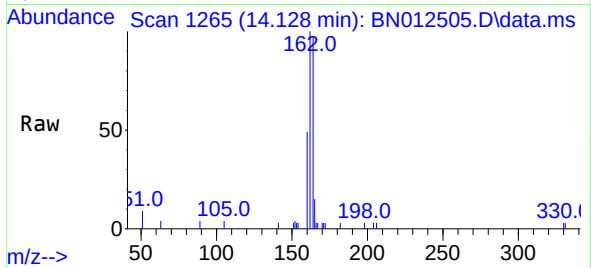


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.128 min Scan# 1265
Delta R.T. -0.013 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:164 Resp: 2355

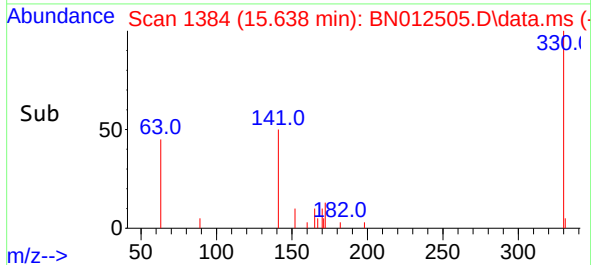
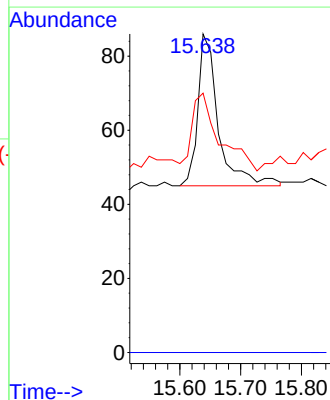
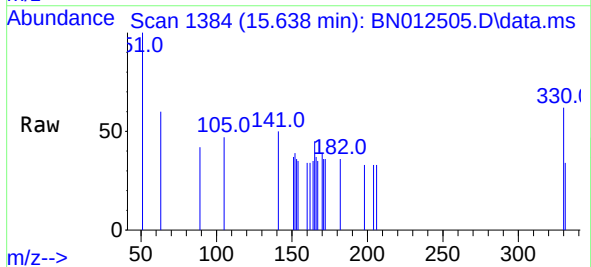
Ion	Ratio	Lower	Upper
164	100		
162	103.5	80.6	120.8
160	50.3	39.5	59.3

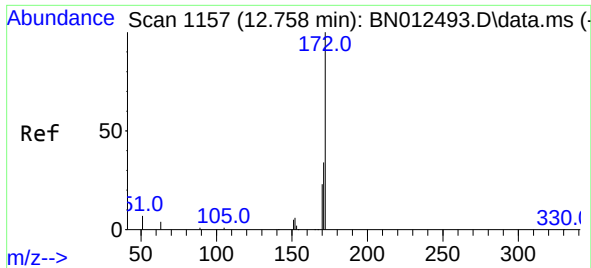


#14
2,4,6-Tribromophenol
Concen: 0.06 ng
RT: 15.638 min Scan# 1384
Delta R.T. -0.000 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

Tgt Ion:330 Resp: 97

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	67.0	34.4	51.6#

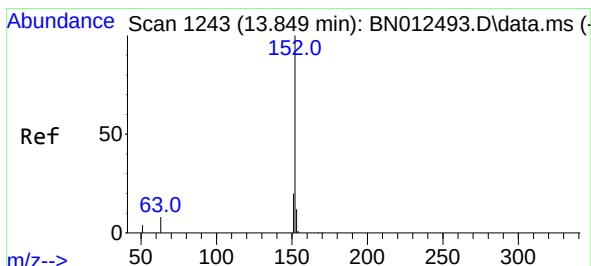
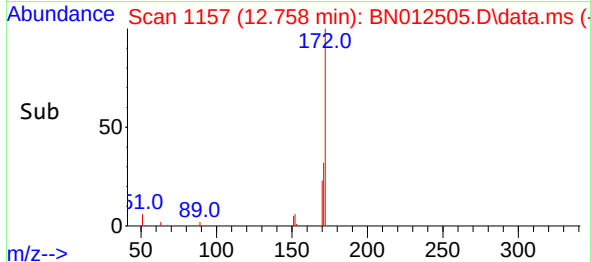
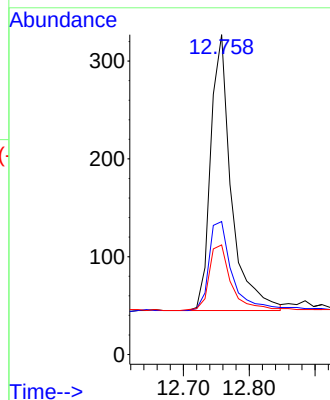
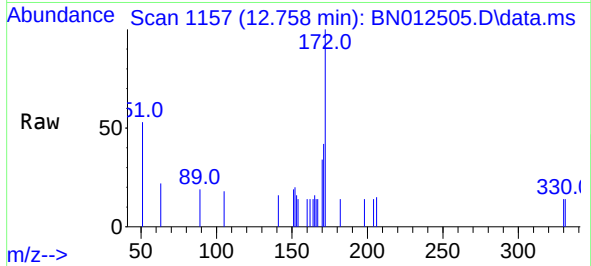




#15
2-Fluorobiphenyl
Concen: 0.07 ng
RT: 12.758 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

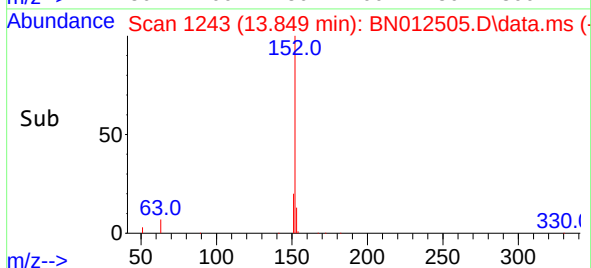
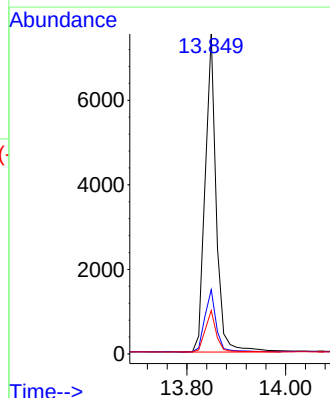
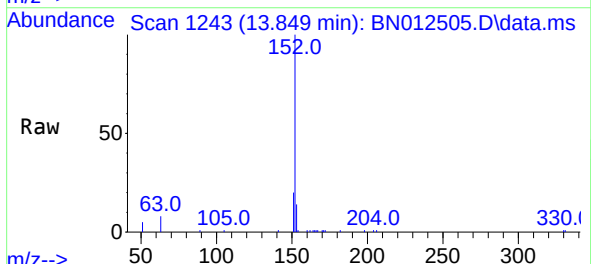
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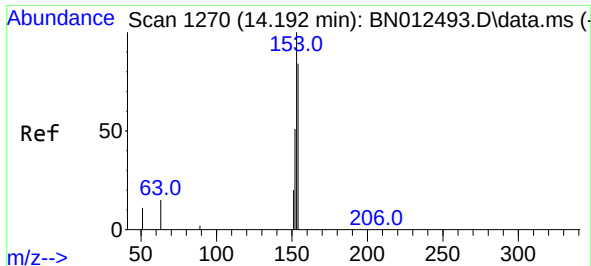
Tgt Ion:	172	Resp:	615
Ion	Ratio	Lower	Upper
172	100		
171	41.6	28.2	42.4
170	34.3	20.0	30.0



#16
Acenaphthylene
Concen: 1.00 ng
RT: 13.849 min Scan# 1243
Delta R.T. -0.000 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

Tgt Ion:	152	Resp:	11793
Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	13.1	10.6	16.0

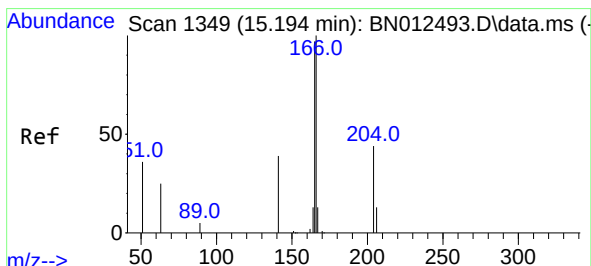
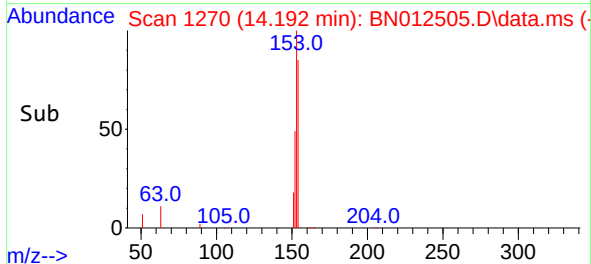
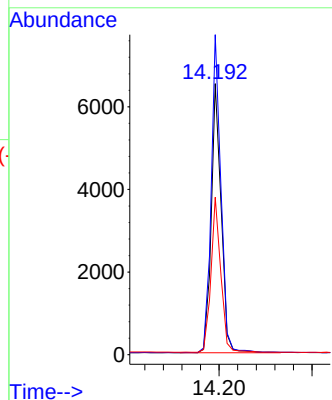
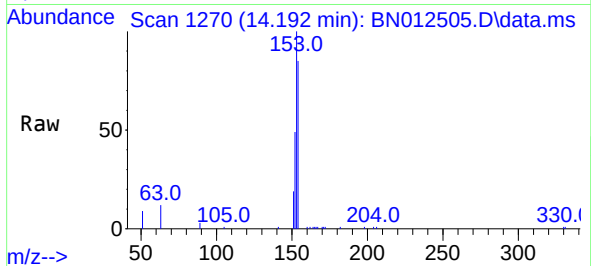




#17
Acenaphthene
Concen: 1.29 ng
RT: 14.192 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

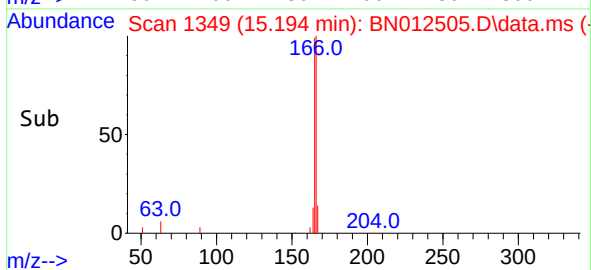
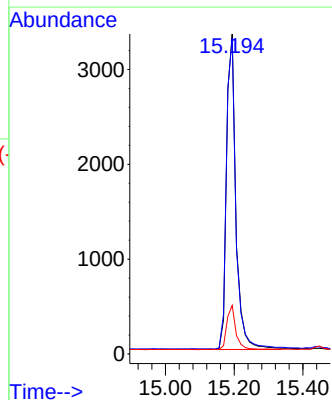
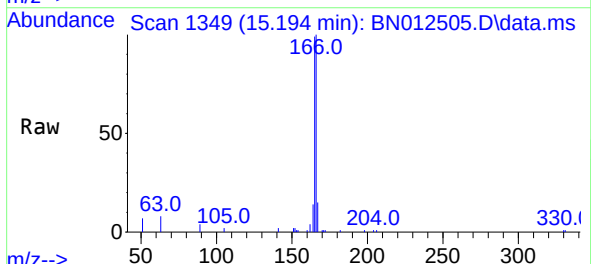
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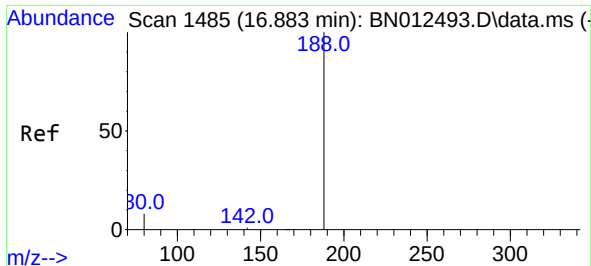
Tgt Ion:154 Resp: 9665
Ion Ratio Lower Upper
154 100
153 116.6 83.6 125.4
152 57.1 43.9 65.9



#18
Fluorene
Concen: 0.66 ng
RT: 15.194 min Scan# 1349
Delta R.T. -0.000 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

Tgt Ion:166 Resp: 6334
Ion Ratio Lower Upper
166 100
165 99.1 78.6 118.0
167 13.5 10.7 16.1

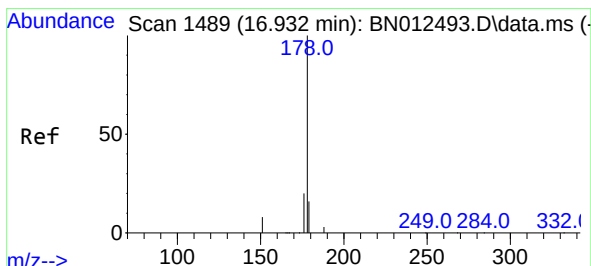
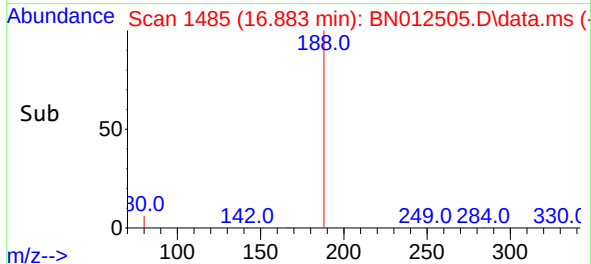
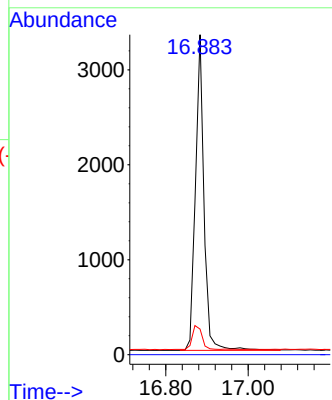
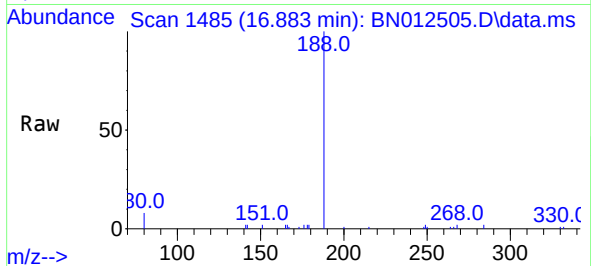




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.883 min Scan# 1485
Delta R.T. -0.000 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

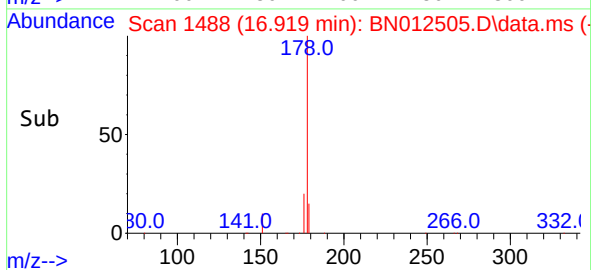
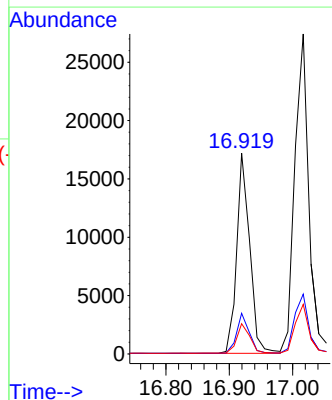
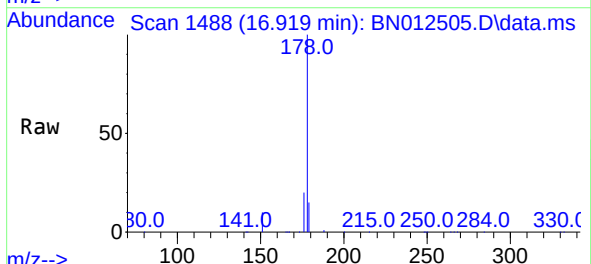
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

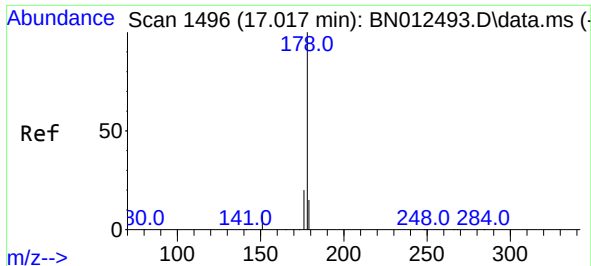
Tgt Ion:188 Resp: 4775
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.0 5.0 7.4#



#25
Phenanthrene
Concen: 1.74 ng
RT: 16.919 min Scan# 1488
Delta R.T. -0.012 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

Tgt Ion:178 Resp: 24519
Ion Ratio Lower Upper
178 100
176 19.6 14.8 22.2
179 15.1 12.4 18.6

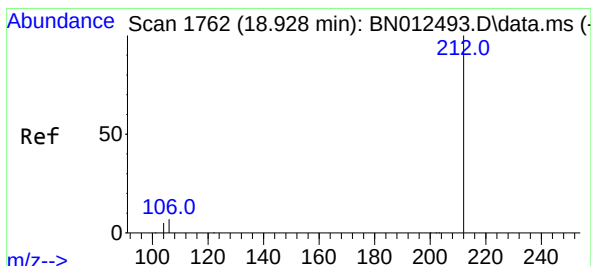
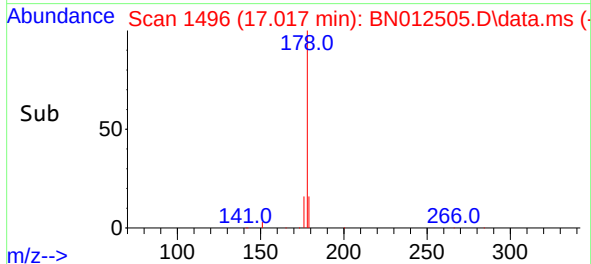
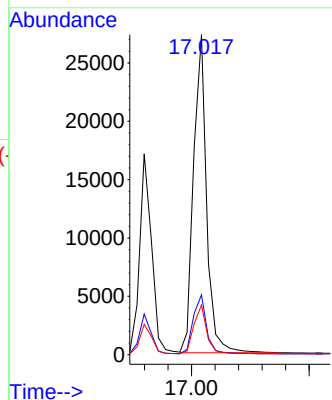
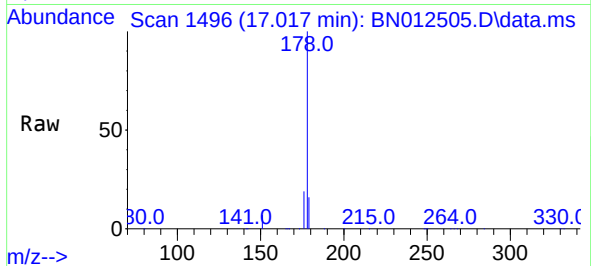




#26
 Anthracene
 Concen: 3.22 ng
 RT: 17.017 min Scan# 1496
 Delta R.T. -0.000 min
 Lab File: BN012505.D
 Acq: 05 Nov 2020 17:36

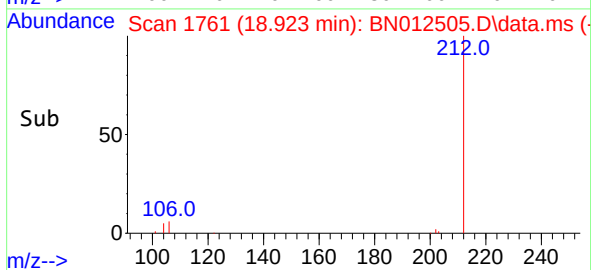
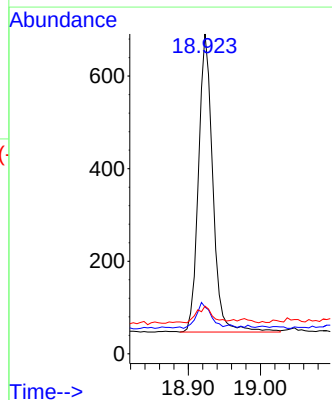
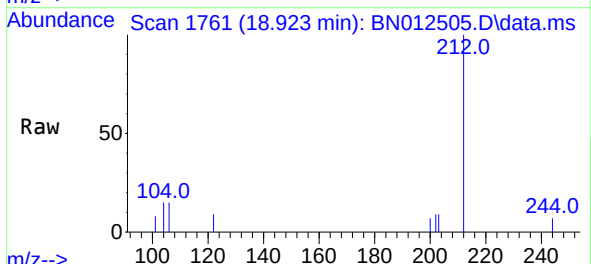
Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOILD

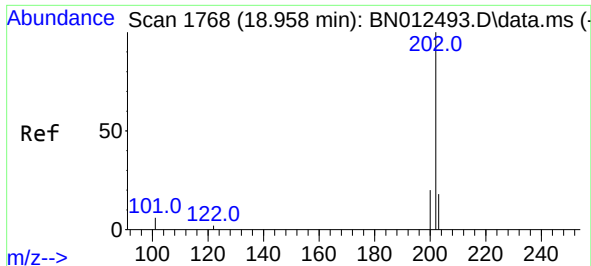
Tgt Ion:178	Resp:	42098
Ion Ratio	Lower	Upper
178	100	
176	18.9	14.8 22.2
179	15.2	12.5 18.7



#27
 Fluoranthene-d10
 Concen: 0.06 ng
 RT: 18.923 min Scan# 1761
 Delta R.T. -0.005 min
 Lab File: BN012505.D
 Acq: 05 Nov 2020 17:36

Tgt Ion:212	Resp:	889
Ion Ratio	Lower	Upper
212	100	
106	8.8	6.8 10.2
104	6.1	4.1 6.1

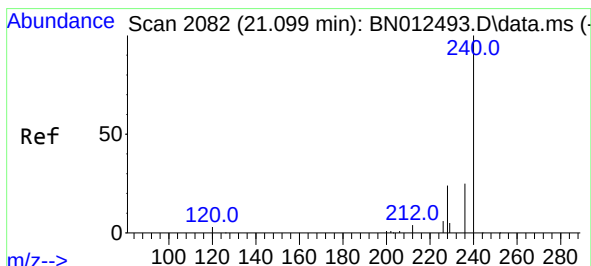
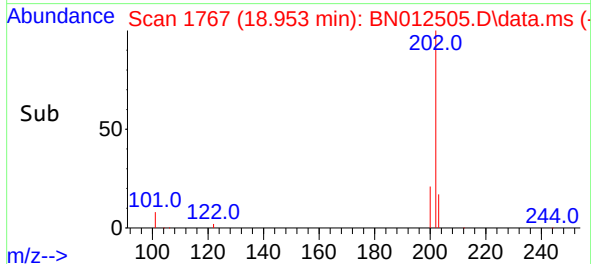
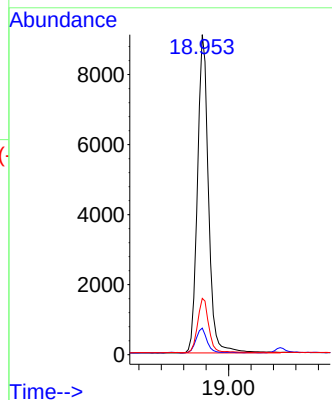
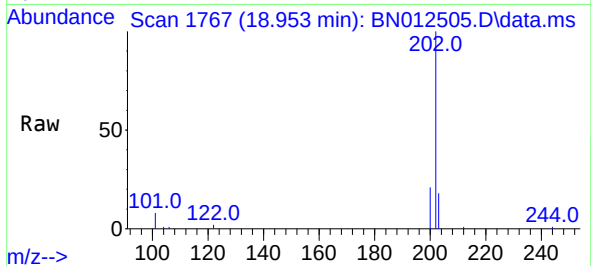




#28
Fluoranthene
Concen: 0.74 ng
RT: 18.953 min Scan# 1767
Delta R.T. -0.005 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

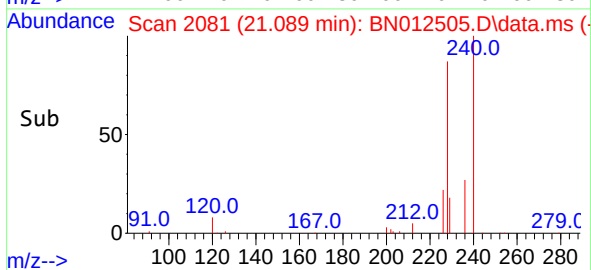
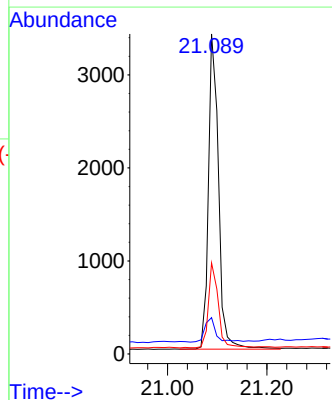
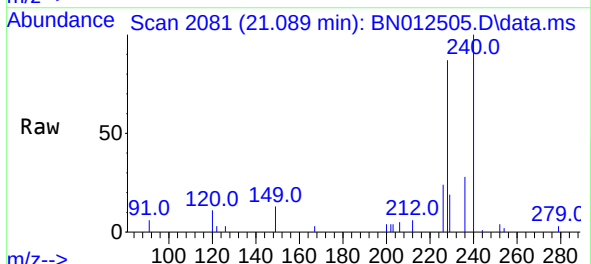
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

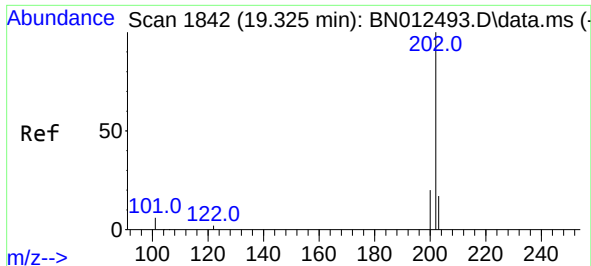
Tgt Ion:202 Resp: 12420
Ion Ratio Lower Upper
202 100
101 7.7 5.8 8.6
203 17.2 13.7 20.5



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.089 min Scan# 2081
Delta R.T. -0.011 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

Tgt Ion:240 Resp: 4789
Ion Ratio Lower Upper
240 100
120 11.4 5.3 7.9#
236 28.5 21.8 32.8

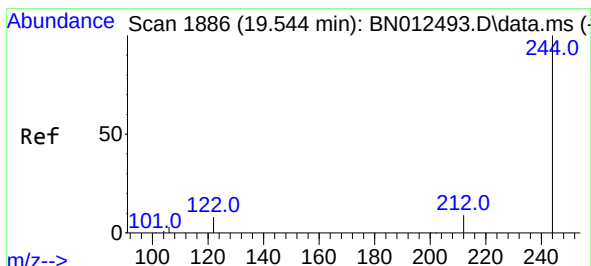
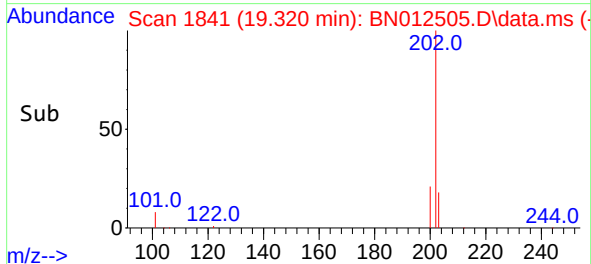
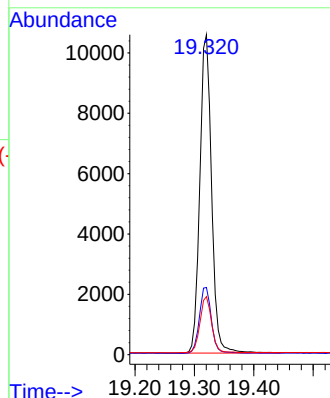
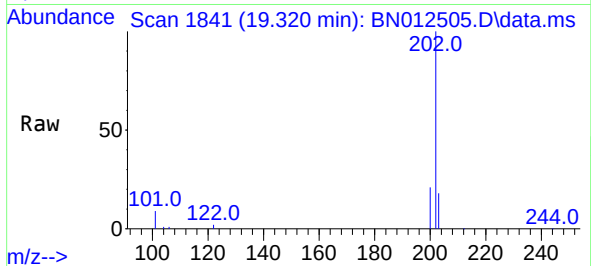




#30
Pyrene
Concen: 0.90 ng
RT: 19.320 min Scan# 1841
Delta R.T. -0.005 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

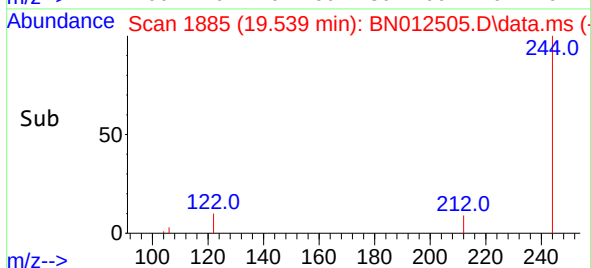
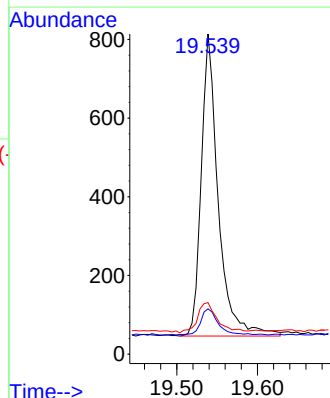
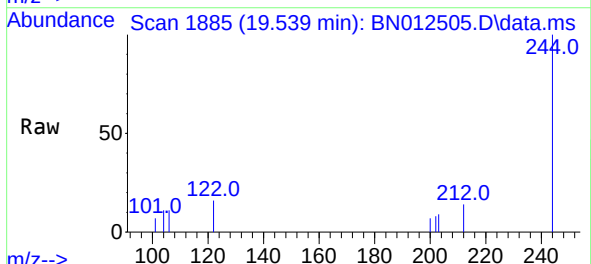
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

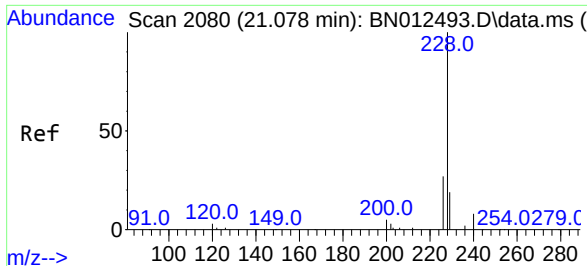
Tgt Ion:	202	Resp:	14466
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.6	24.8
203	17.7	13.8	20.8



#31
Terphenyl-d14
Concen: 0.10 ng
RT: 19.539 min Scan# 1885
Delta R.T. -0.005 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

Tgt Ion:	244	Resp:	1125
Ion Ratio	Lower	Upper	
244	100		
212	14.1	7.3	10.9#
122	16.1	7.3	10.9#



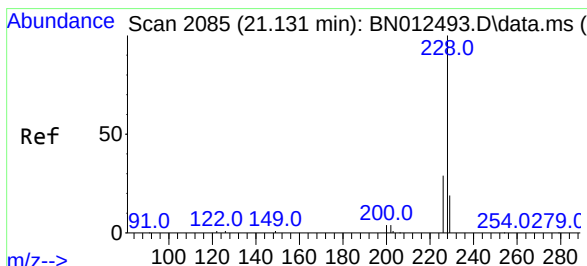
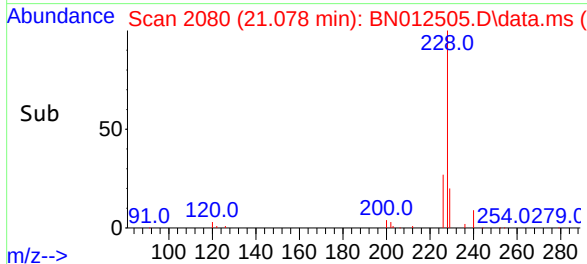
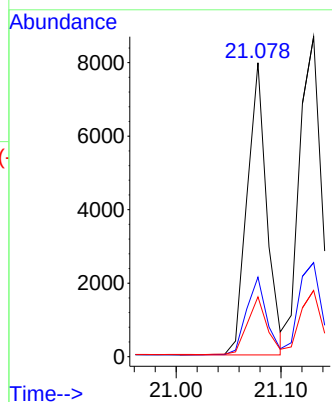
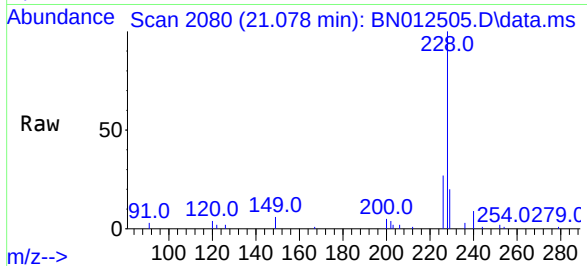


#32
Benzo(a)anthracene
Concen: 0.68 ng
RT: 21.078 min Scan# 2080
Delta R.T. -0.000 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:228 Resp: 10318

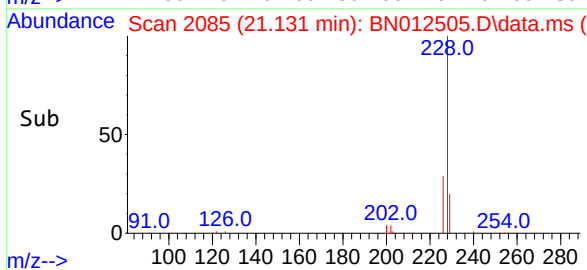
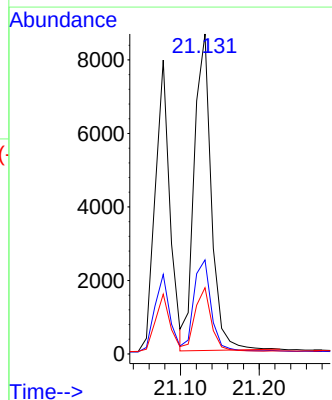
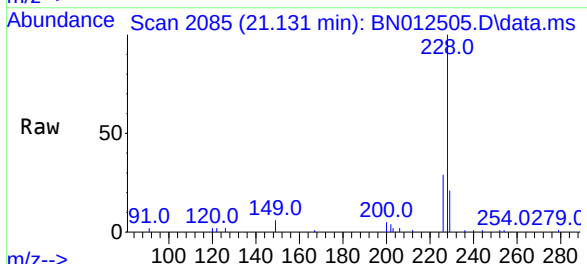
Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.3	33.5
229	20.3	15.7	23.5

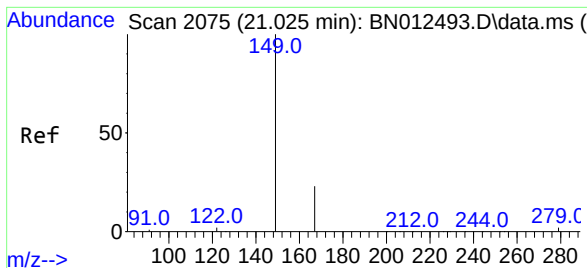


#33
Chrysene
Concen: 0.81 ng
RT: 21.131 min Scan# 2085
Delta R.T. -0.000 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

Tgt Ion:228 Resp: 12985

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.2	36.2
229	20.7	15.7	23.5

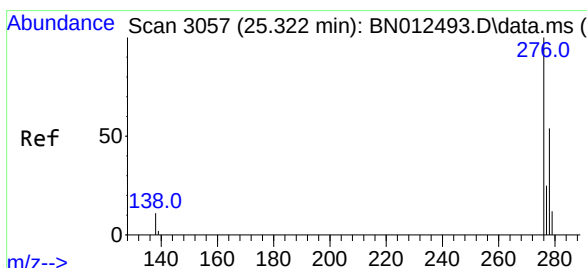
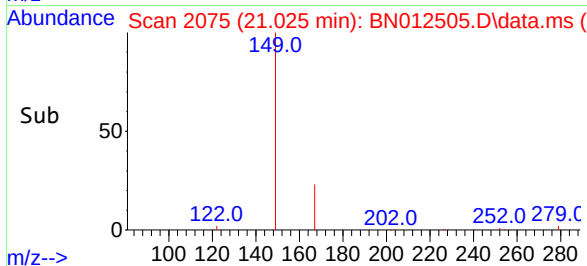
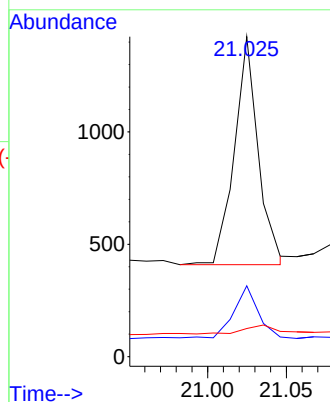
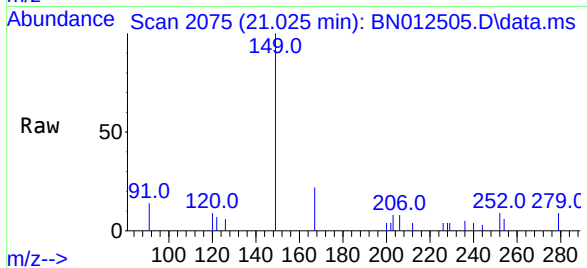




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.10 ng
RT: 21.025 min Scan# 2075
Delta R.T. -0.000 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

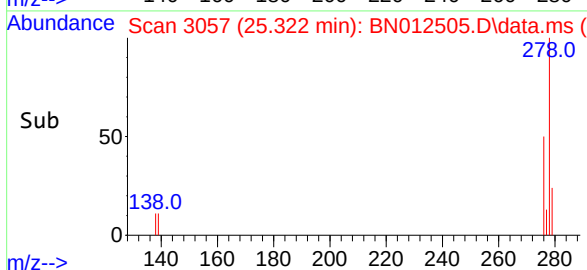
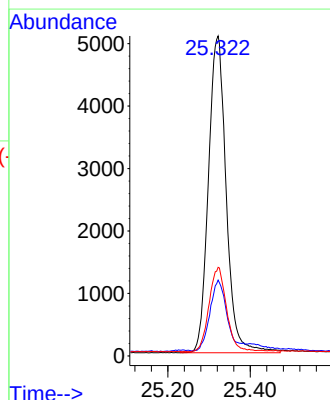
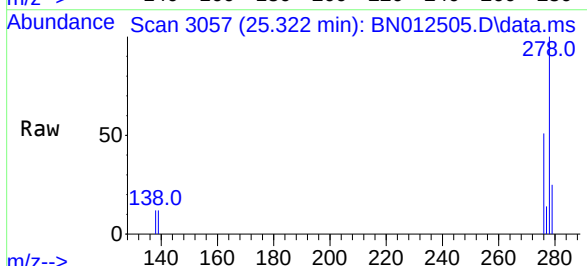
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

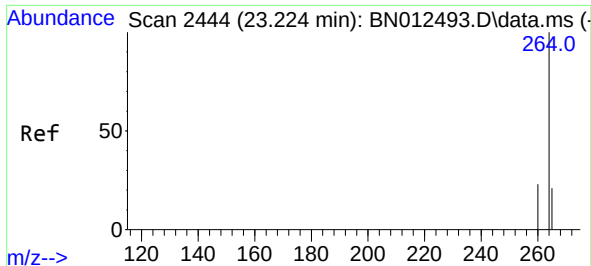
Tgt Ion:149 Resp: 1070
Ion Ratio Lower Upper
149 100
167 22.8 23.2 34.8#
279 4.9 3.9 5.9



#35
Indeno(1,2,3-cd)pyrene
Concen: 0.63 ng
RT: 25.322 min Scan# 3057
Delta R.T. -0.000 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

Tgt Ion:276 Resp: 15163
Ion Ratio Lower Upper
276 100
138 22.0 13.3 19.9#
277 25.9 20.2 30.4



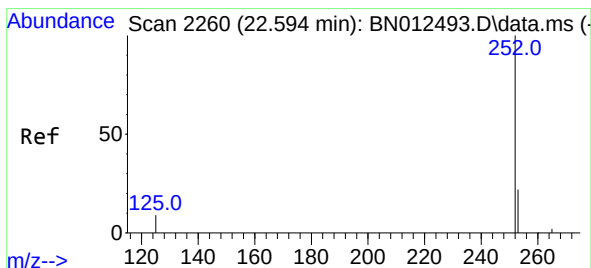
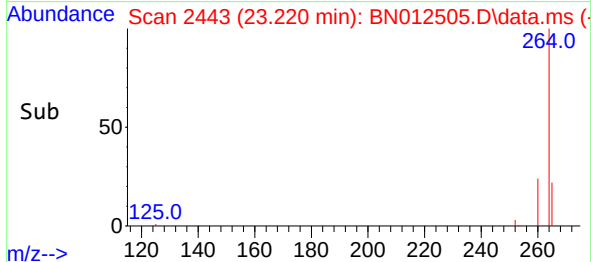
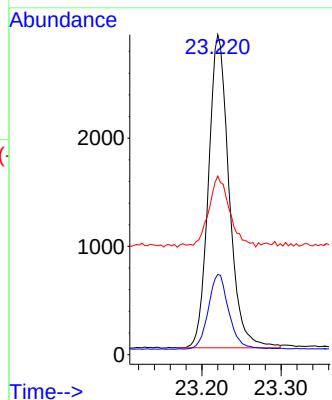
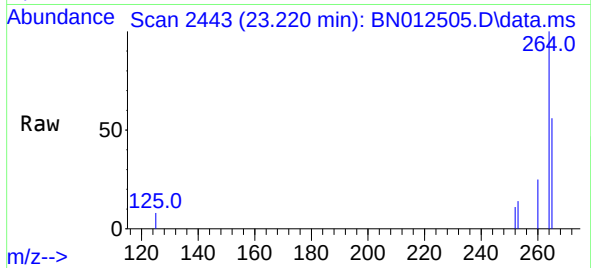


#36
Perylene-d12
Concen: 0.40 ng
RT: 23.220 min Scan# 2443
Delta R.T. -0.003 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

Tgt Ion:264 Resp: 5240

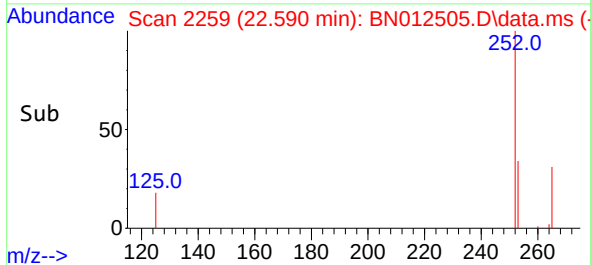
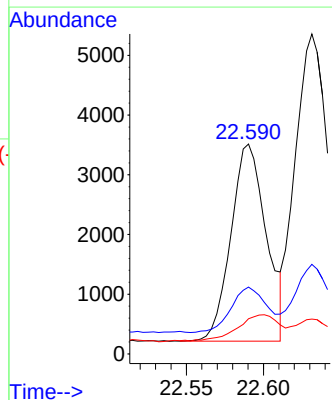
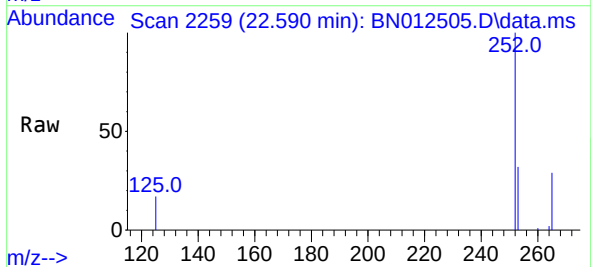
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.8	29.6
265	55.8	51.4	77.0

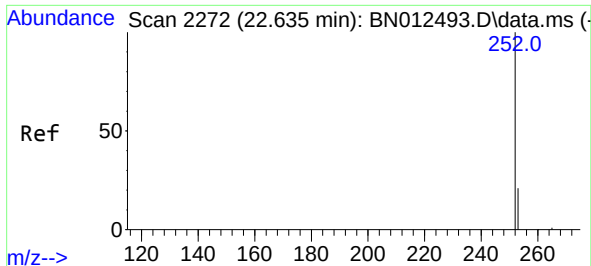


#37
Benzo(b)fluoranthene
Concen: 0.32 ng
RT: 22.590 min Scan# 2259
Delta R.T. -0.003 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

Tgt Ion:252 Resp: 5267

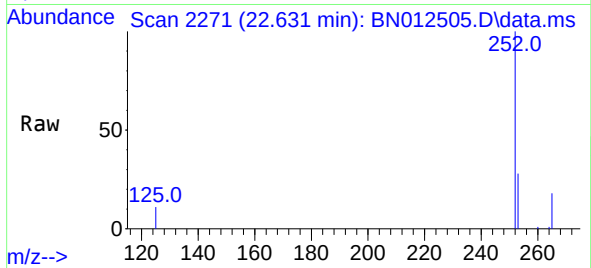
Ion	Ratio	Lower	Upper
252	100		
253	31.9	20.1	30.1#
125	16.8	7.2	10.8#



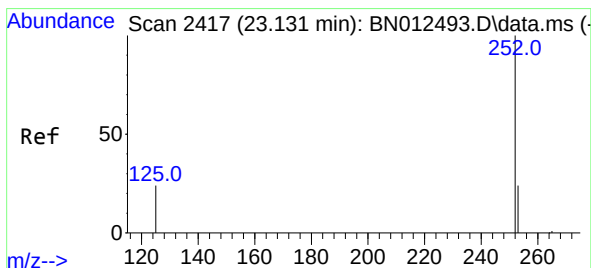
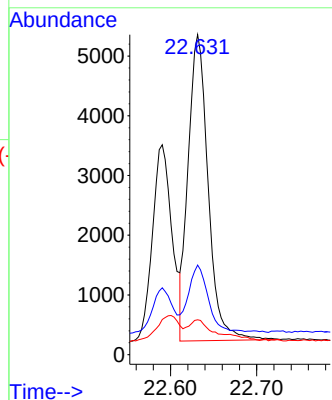
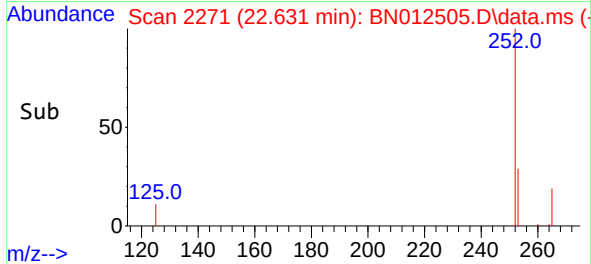


#38
Benzo(k)fluoranthene
Concen: 0.46 ng
RT: 22.631 min Scan# 2271
Delta R.T. -0.003 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

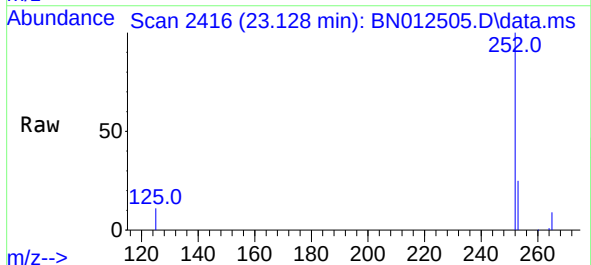
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL



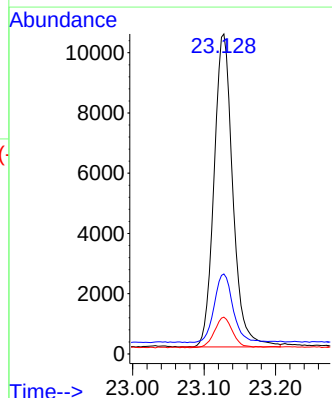
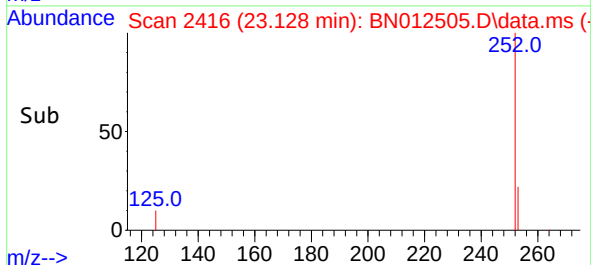
Tgt Ion:252 Resp: 8239
Ion Ratio Lower Upper
252 100
253 28.0 19.8 29.8
125 10.9 7.1 10.7#

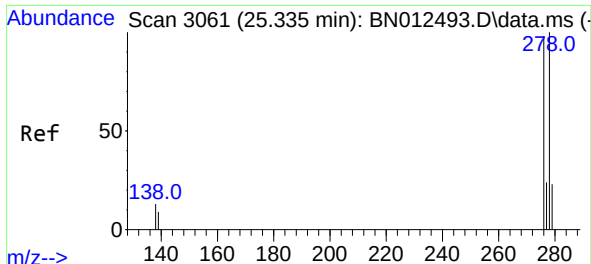


#39
Benzo(a)pyrene
Concen: 1.16 ng
RT: 23.128 min Scan# 2416
Delta R.T. -0.003 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36



Tgt Ion:252 Resp: 18973
Ion Ratio Lower Upper
252 100
253 25.0 21.3 31.9
125 11.5 8.3 12.5

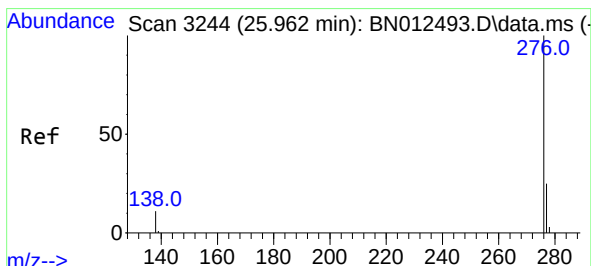
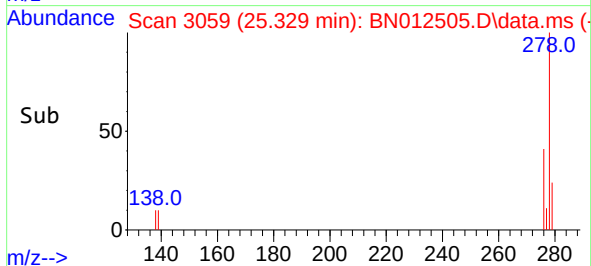
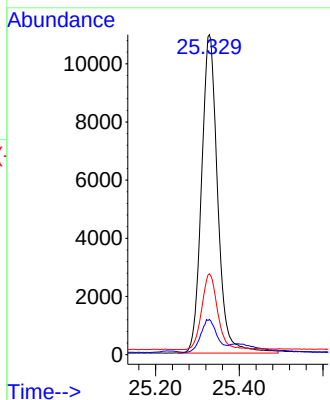
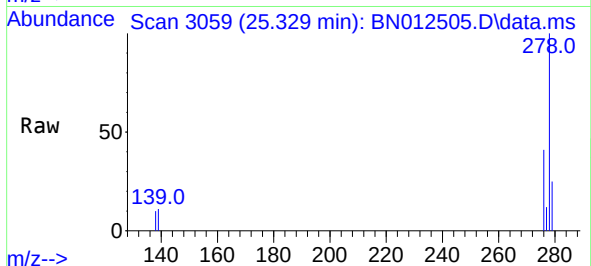




#40
Dibenzo(a,h)anthracene
Concen: 1.58 ng
RT: 25.329 min Scan# 3059
Delta R.T. -0.007 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:278 Resp: 29254
Ion Ratio Lower Upper
278 100
139 11.0 9.3 13.9
279 25.3 21.6 32.4



#41
Benzo(g,h,i)perylene
Concen: 0.22 ng
RT: 25.955 min Scan# 3242
Delta R.T. -0.007 min
Lab File: BN012505.D
Acq: 05 Nov 2020 17:36

Tgt Ion:276 Resp: 4151
Ion Ratio Lower Upper
276 100
277 26.7 19.8 29.8
138 18.4 11.7 17.5#

