

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111021\
 Data File : BN017380.D
 Acq On : 10 Nov 2021 11:42
 Operator : CG/JU
 Sample : M4386-14DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOILD

Quant Time: Nov 10 12:20:55 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN110921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 10 11:00:44 2021
 Response via : Initial Calibration

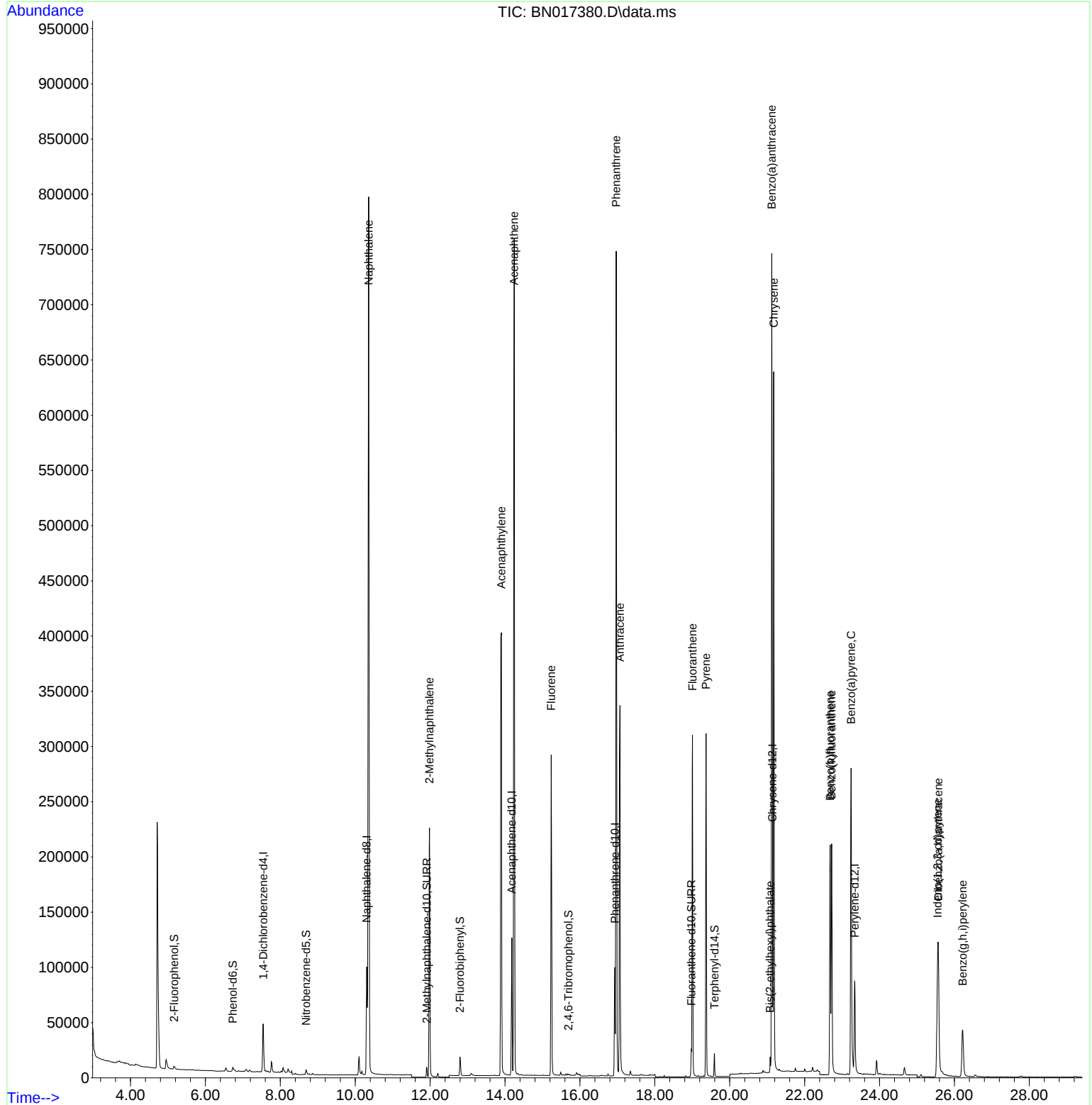
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.542	152	26012	0.400	ng	0.00
7) Naphthalene-d8	10.307	136	125905	0.400	ng	# 0.00
13) Acenaphthene-d10	14.181	164	68110	0.400	ng	0.00
19) Phenanthrene-d10	16.934	188	132241	0.400	ng	0.00
29) Chrysene-d12	21.144	240	125752	0.400	ng	0.01
35) Perylene-d12	23.335	264	108885	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.163	112	3983	0.066	ng	0.00
5) Phenol-d6	6.731	99	4233	0.064	ng	0.00
8) Nitrobenzene-d5	8.684	82	4581	0.061	ng	0.00
11) 2-Methylnaphthalene-d10	11.911	152	12340	0.067	ng	0.00
14) 2,4,6-Tribromophenol	15.691	330	1142	0.045	ng	0.01
15) 2-Fluorobiphenyl	12.798	172	15709	0.061	ng	0.00
27) Fluoranthene-d10	18.975	212	26666	0.079	ng	0.00
31) Terphenyl-d14	19.590	244	21479	0.077	ng	0.00
Target Compounds						
9) Naphthalene	10.357	128	1017508	3.067	ng	99
12) 2-Methylnaphthalene	11.982	142	164560	0.754	ng	99
16) Acenaphthylene	13.902	152	517441	1.864	ng	100
17) Acenaphthene	14.245	154	381711	1.996	ng	98
18) Fluorene	15.234	166	177554	0.778	ng	100
25) Phenanthrene	16.970	178	719119	1.898	ng	100
26) Anthracene	17.068	178	392870	1.245	ng	100
28) Fluoranthene	19.005	202	275221	0.673	ng	99
30) Pyrene	19.367	202	268818	0.662	ng	100
32) Benzo(a)anthracene	21.123	228	593465	1.555	ng	100
33) Chrysene	21.176	228	476827	1.174	ng	99
34) Bis(2-ethylhexyl)phtha...	21.080	149	12152	0.090	ng	98
36) Indeno(1,2,3-cd)pyrene	25.550	276	138854	0.364	ng	96
37) Benzo(b)fluoranthene	22.681	252	255155	0.717	ng	99
38) Benzo(k)fluoranthene	22.723	252	234578	0.659	ng	# 96
39) Benzo(a)pyrene	23.239	252	396615	1.259	ng	99
40) Dibenzo(a,h)anthracene	25.567	278	154181	0.503	ng	99
41) Benzo(g,h,i)perylene	26.221	276	91593	0.277	ng	99

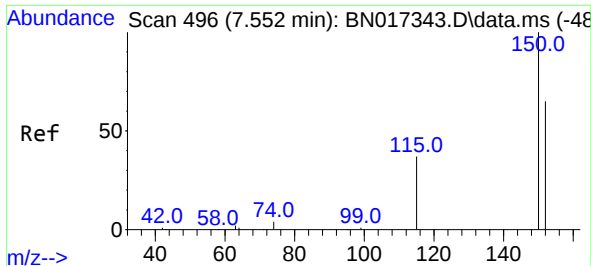
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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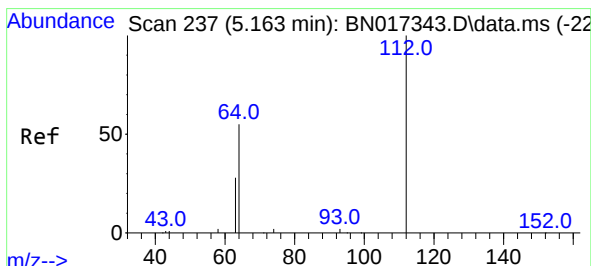
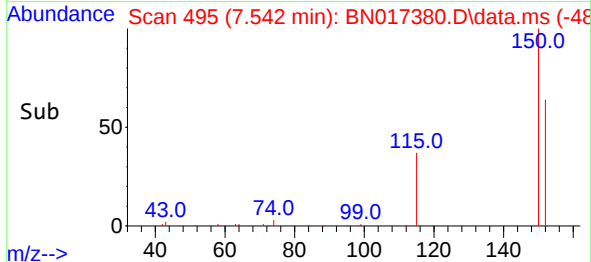
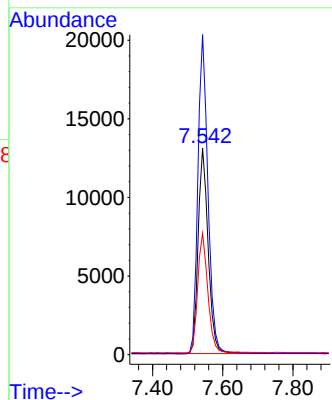
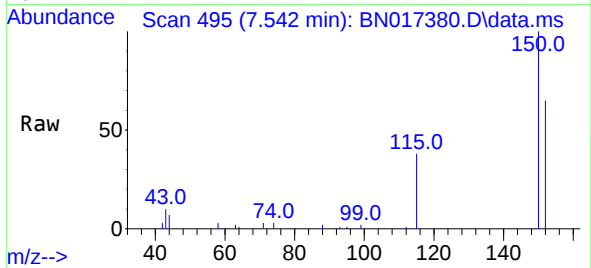




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.542 min Scan# 496
Delta R.T. 0.000 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

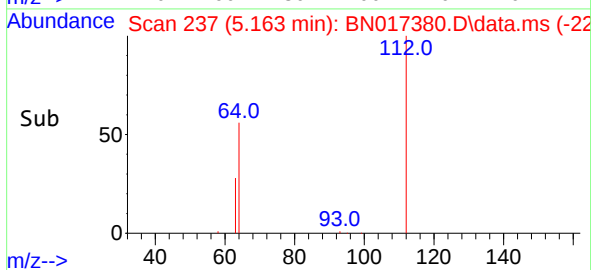
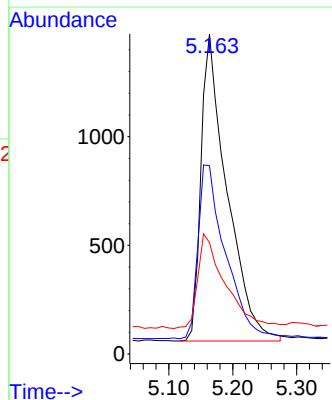
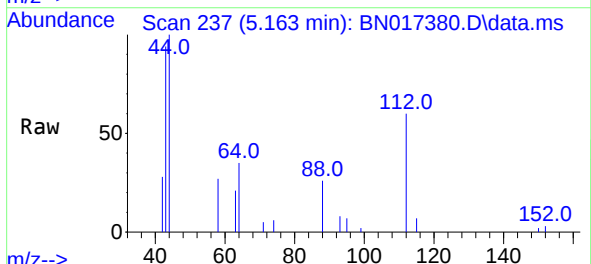
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BNA_N
ClientSampleId :
PT-PAH-SOILD

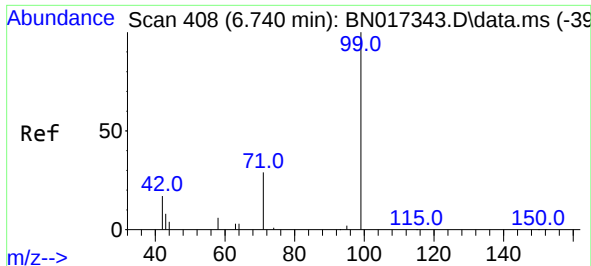
Tgt Ion:152 Resp: 26012
Ion Ratio Lower Upper
152 100
150 155.0 123.0 184.4
115 58.8 45.6 68.4



#4
2-Fluorophenol
Concen: 0.066 ng
RT: 5.163 min Scan# 237
Delta R.T. -0.000 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

Tgt Ion:112 Resp: 3983
Ion Ratio Lower Upper
112 100
64 59.7 47.6 71.4
63 32.9 24.6 37.0

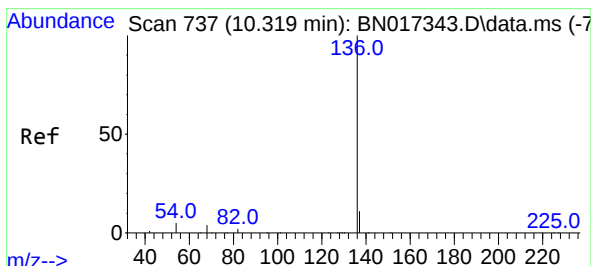
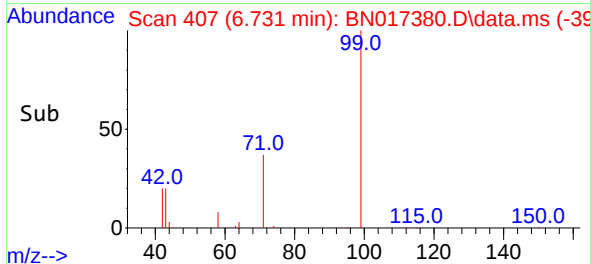
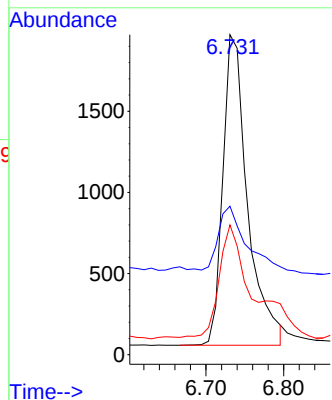
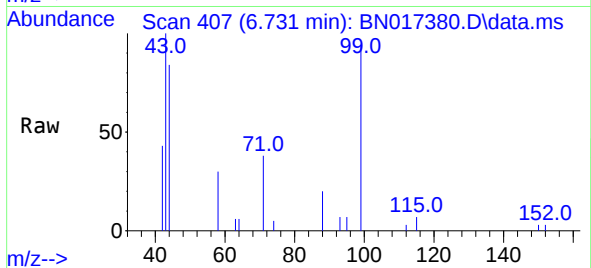




#5
Phenol-d6
Concen: 0.064 ng
RT: 6.731 min Scan# 408
Delta R.T. -0.000 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

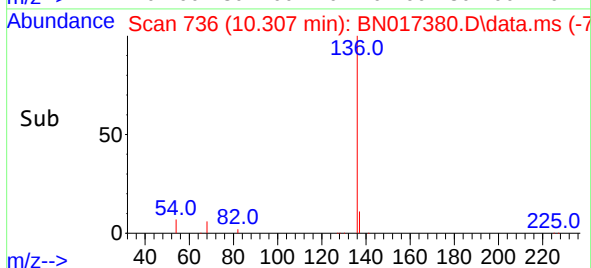
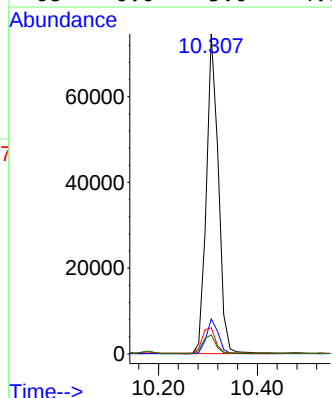
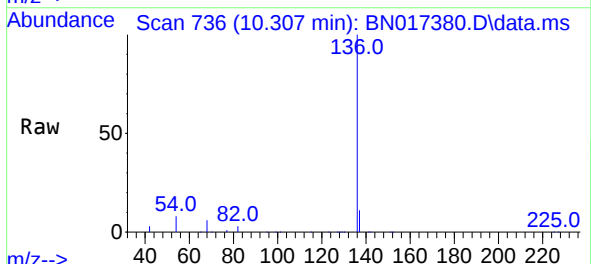
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

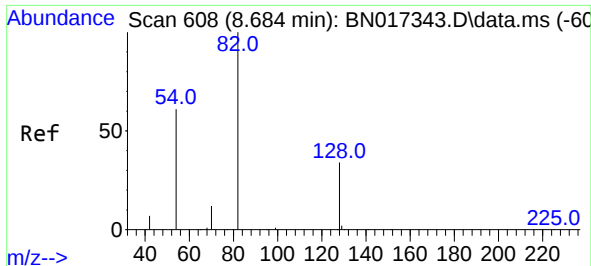
Tgt Ion: 99 Resp: 4233
Ion Ratio Lower Upper
99 100
42 22.2 17.0 25.6
71 46.3 24.8 37.2#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.307 min Scan# 736
Delta R.T. -0.000 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

Tgt Ion: 136 Resp: 125905
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.2 4.0 6.0#
68 6.0 3.0 4.6#

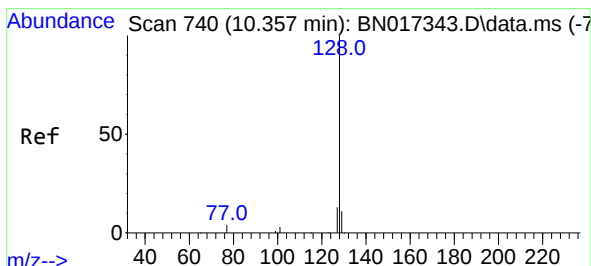
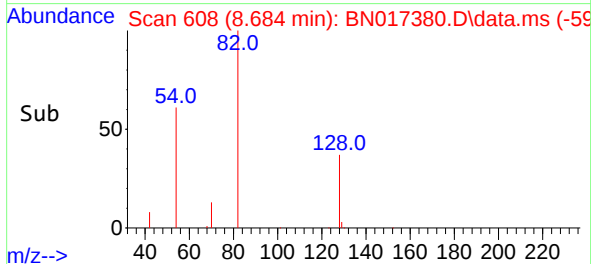
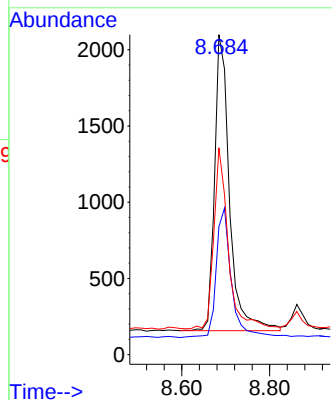
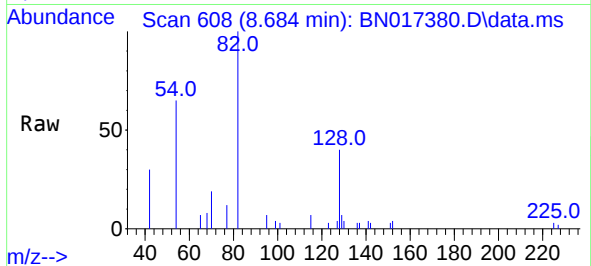




#8
Nitrobenzene-d5
Concen: 0.061 ng
RT: 8.684 min Scan# 608
Delta R.T. -0.000 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

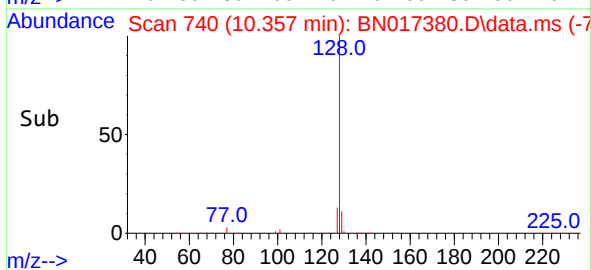
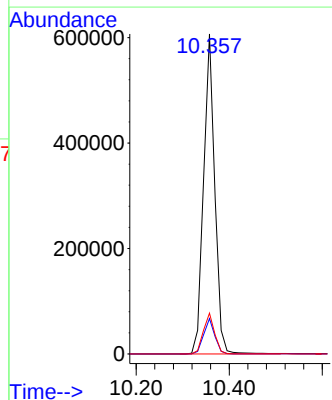
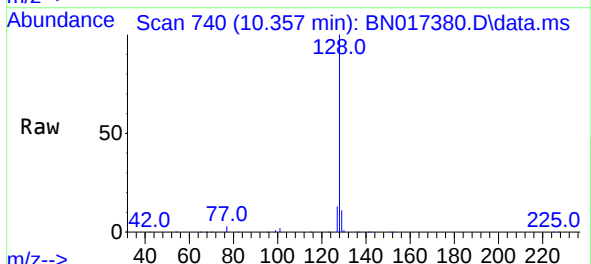
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

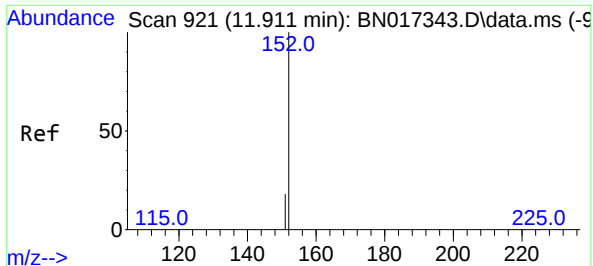
Tgt Ion: 82 Resp: 4581
Ion Ratio Lower Upper
82 100
128 40.0 27.7 41.5
54 64.6 49.2 73.8



#9
Naphthalene
Concen: 3.067 ng
RT: 10.357 min Scan# 740
Delta R.T. -0.000 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

Tgt Ion: 128 Resp: 1017508
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 12.8 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.067 ng

RT: 11.911 min Scan# 91

Delta R.T. -0.000 min

Lab File: BN017380.D

Acq: 10 Nov 2021 11:42

Instrument :

BNA_N

ClientSampleId :

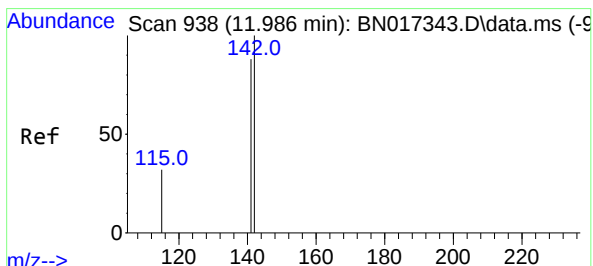
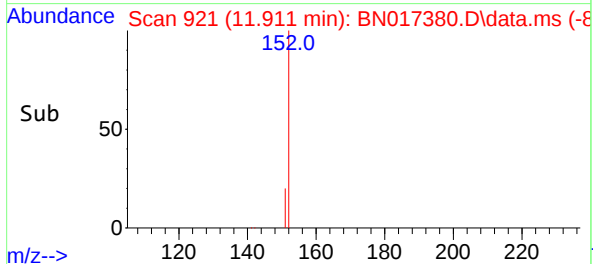
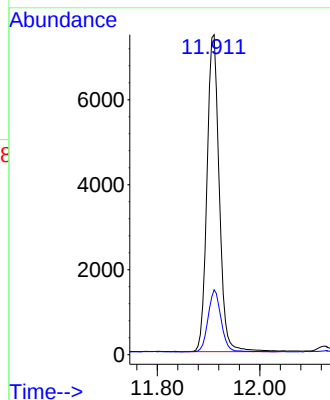
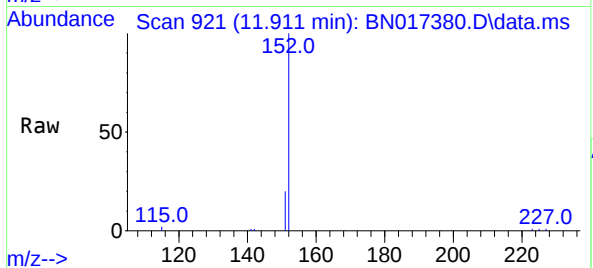
PT-PAH-SOILDL

Tgt Ion:152 Resp: 12340

Ion Ratio Lower Upper

152 100

151 20.9 16.2 24.4



#12

2-Methylnaphthalene

Concen: 0.754 ng

RT: 11.982 min Scan# 937

Delta R.T. -0.000 min

Lab File: BN017380.D

Acq: 10 Nov 2021 11:42

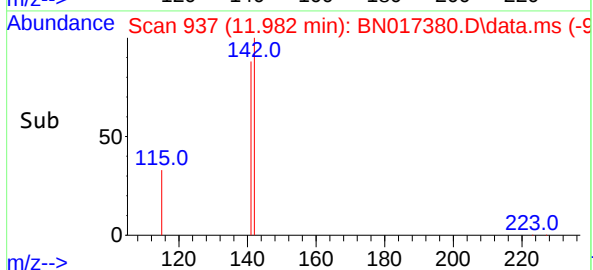
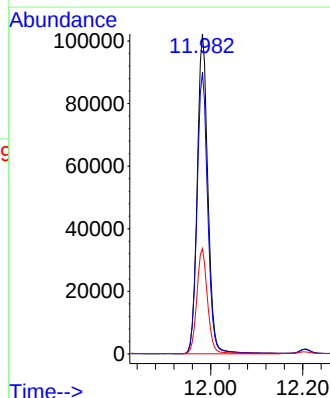
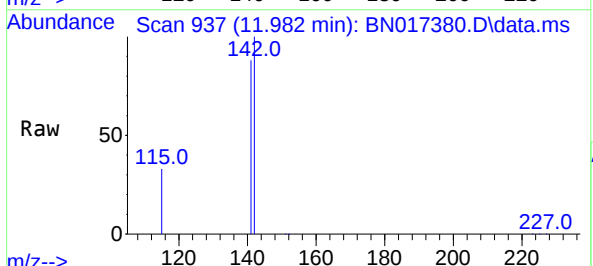
Tgt Ion:142 Resp: 164560

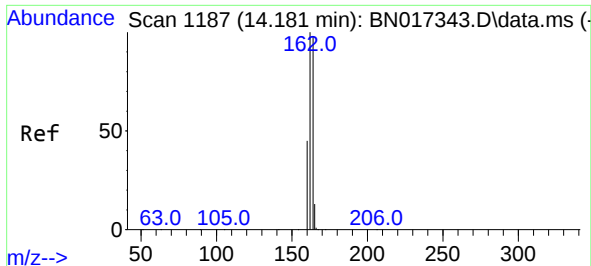
Ion Ratio Lower Upper

142 100

141 88.0 70.6 106.0

115 33.0 25.8 38.6

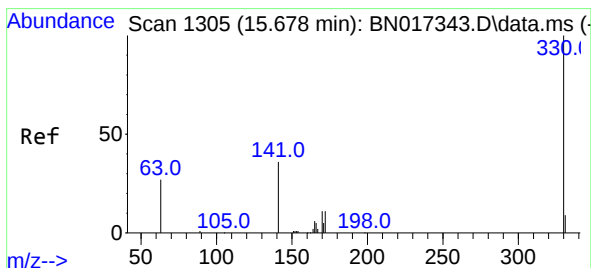
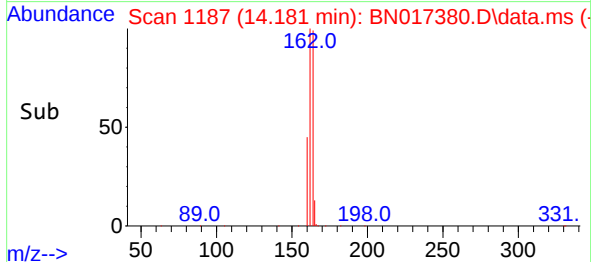
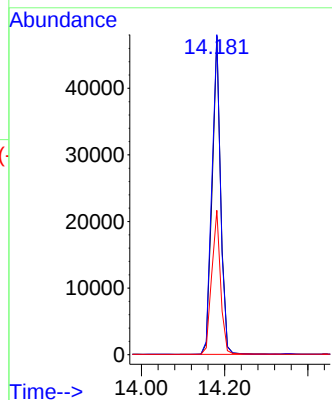
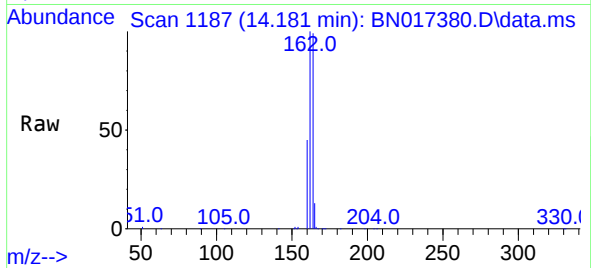




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.181 min Scan# 1187
Delta R.T. -0.000 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

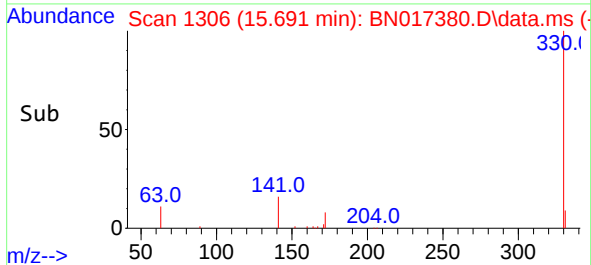
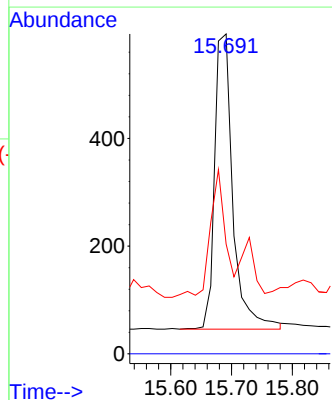
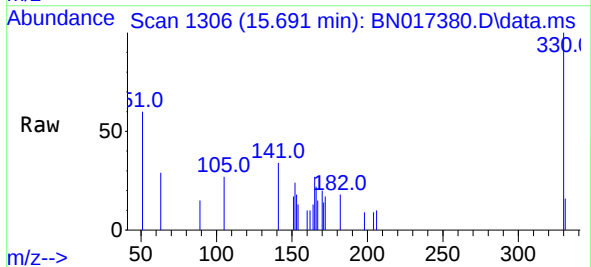
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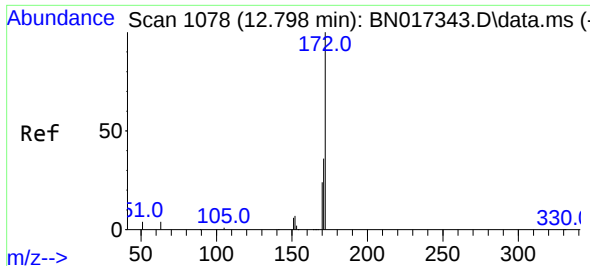
Tgt Ion:164 Resp: 68110
Ion Ratio Lower Upper
164 100
162 100.5 81.4 122.2
160 45.3 36.8 55.2



#14
2,4,6-Tribromophenol
Concen: 0.045 ng
RT: 15.691 min Scan# 1306
Delta R.T. 0.013 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

Tgt Ion:330 Resp: 1142
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 36.4 28.9 43.3

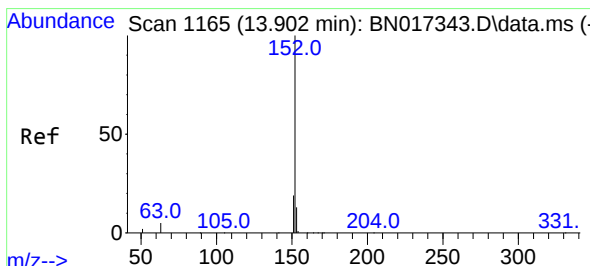
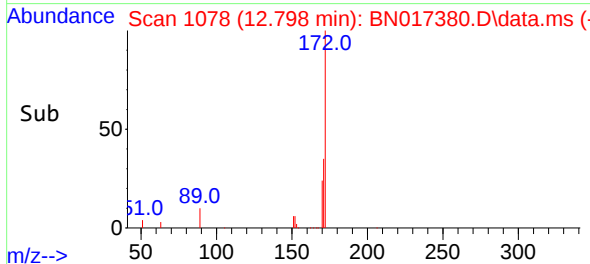
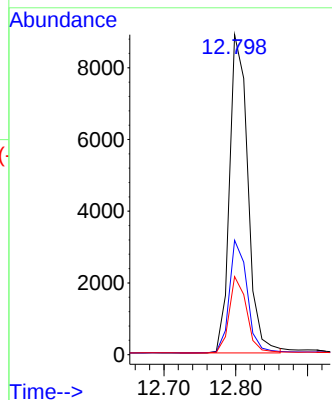
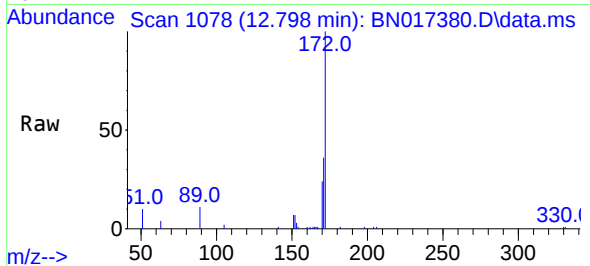




#15
2-Fluorobiphenyl
Concen: 0.061 ng
RT: 12.798 min Scan# 1078
Delta R.T. -0.000 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

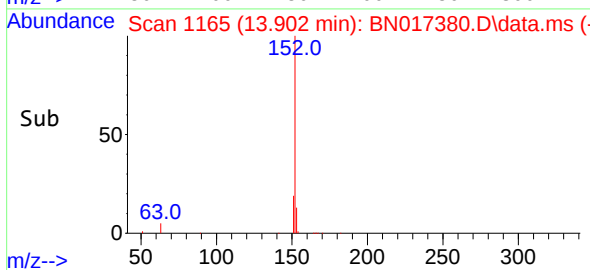
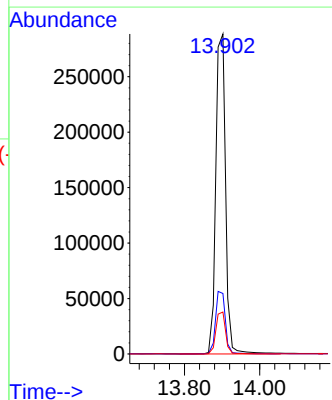
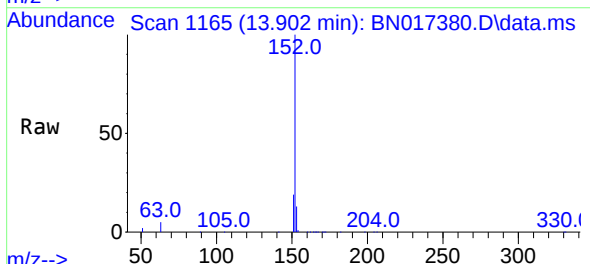
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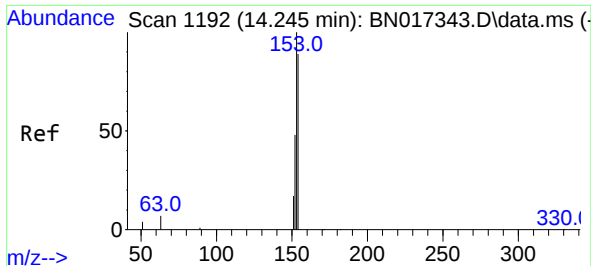
Tgt Ion:	172	Resp:	15709
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.7	43.1
170	24.4	19.4	29.2



#16
Acenaphthylene
Concen: 1.864 ng
RT: 13.902 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

Tgt Ion:	152	Resp:	517441
Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3
153	13.1	10.4	15.6

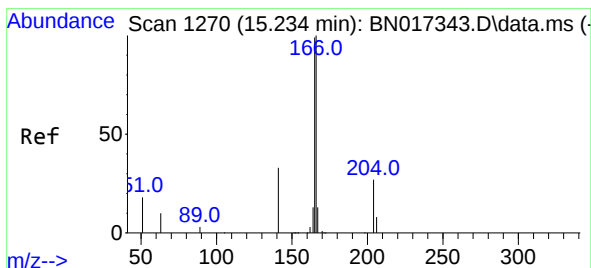
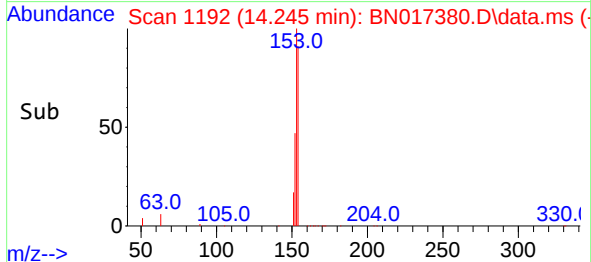
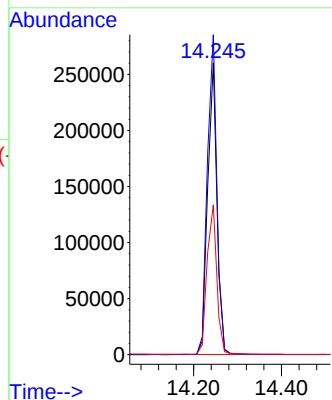
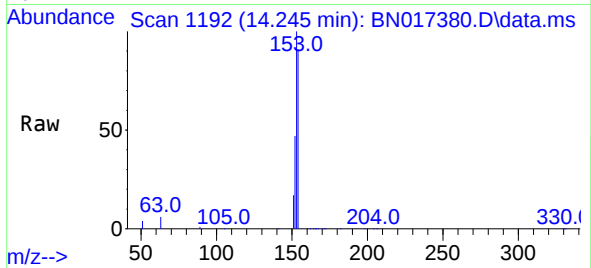




#17
Acenaphthene
Concen: 1.996 ng
RT: 14.245 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

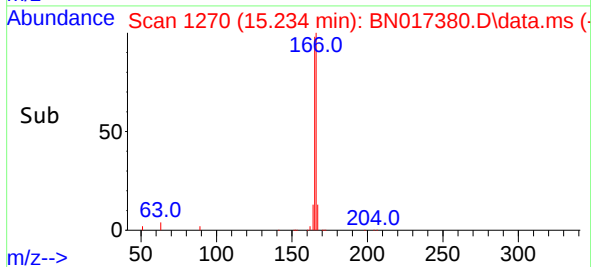
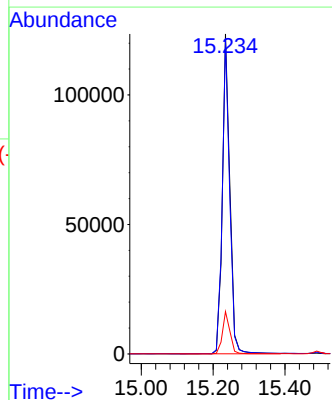
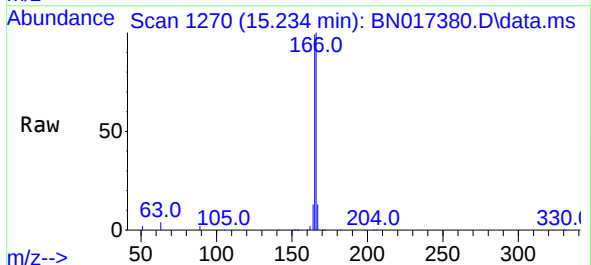
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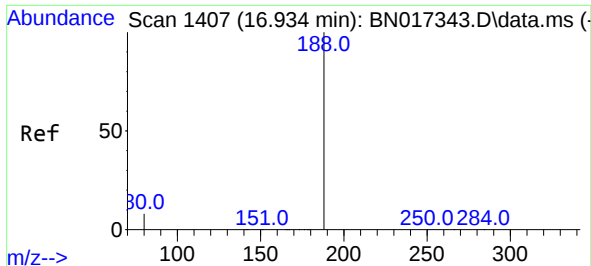
Tgt Ion:154 Resp: 381711
Ion Ratio Lower Upper
154 100
153 112.4 91.2 136.8
152 53.9 44.3 66.5



#18
Fluorene
Concen: 0.778 ng
RT: 15.234 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

Tgt Ion:166 Resp: 177554
Ion Ratio Lower Upper
166 100
165 97.5 77.9 116.9
167 13.3 10.9 16.3

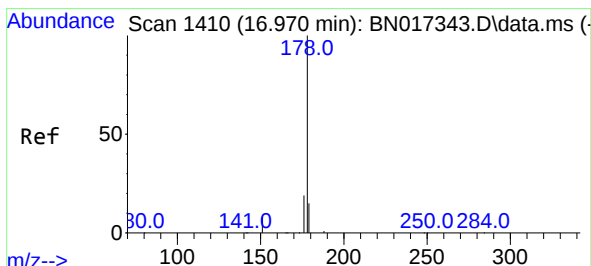
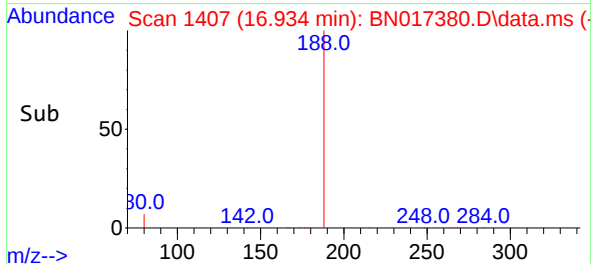
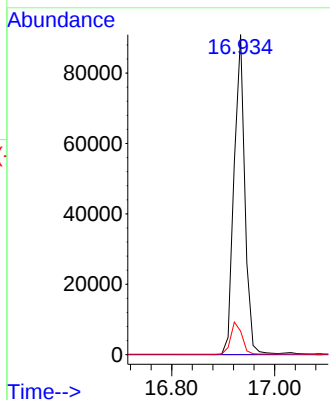
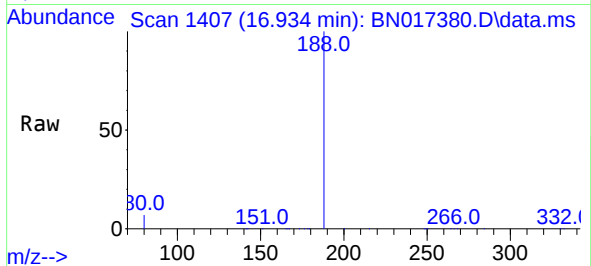




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.934 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

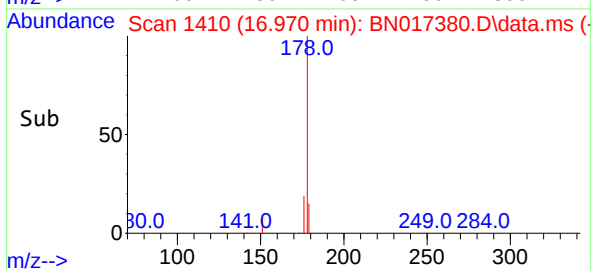
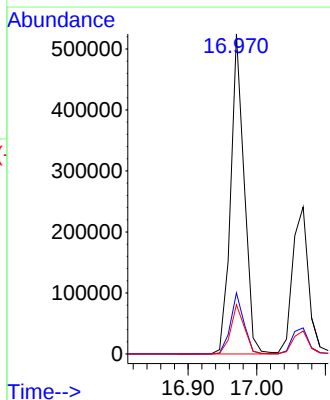
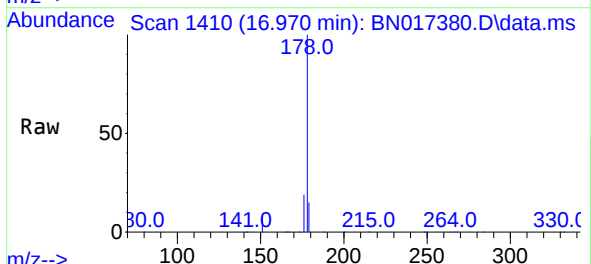
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

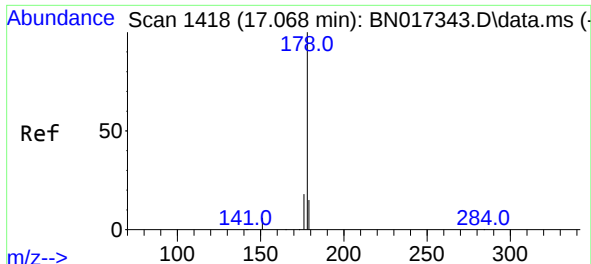
Tgt Ion:188 Resp: 132241
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.3 6.1 9.1



#25
Phenanthrene
Concen: 1.898 ng
RT: 16.970 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

Tgt Ion:178 Resp: 719119
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 15.5 12.3 18.5



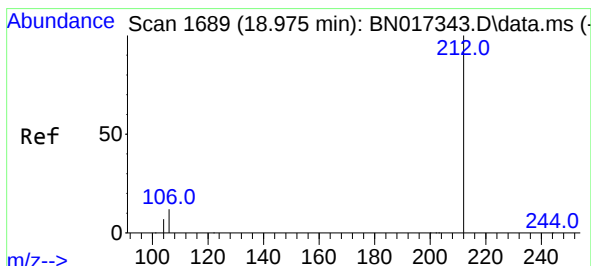
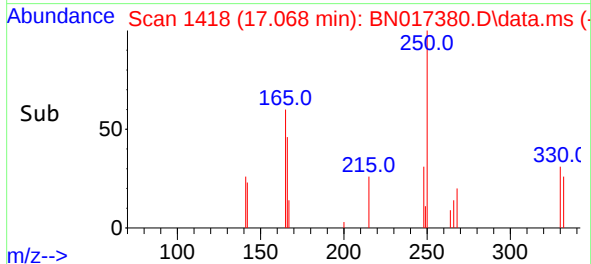
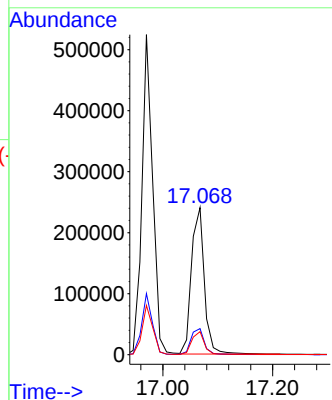
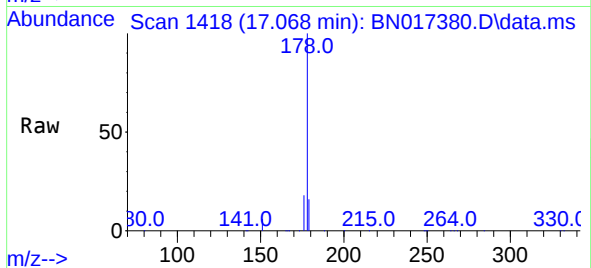


#26
 Anthracene
 Concen: 1.245 ng
 RT: 17.068 min Scan# 1418
 Delta R.T. -0.000 min
 Lab File: BN017380.D
 Acq: 10 Nov 2021 11:42

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOILDL

Tgt Ion:178 Resp: 392870

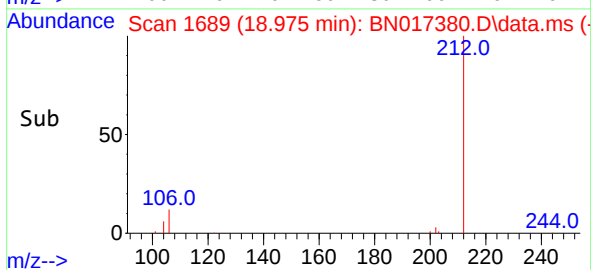
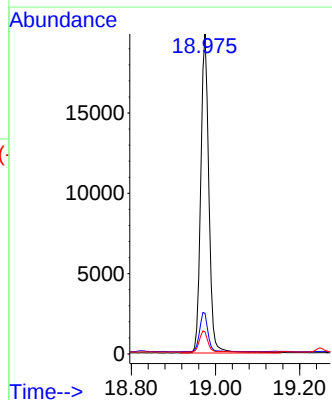
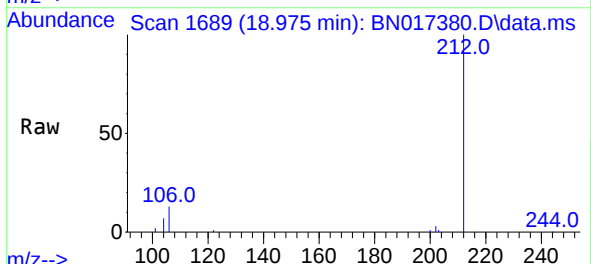
Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	22.0
179	15.4	12.2	18.4

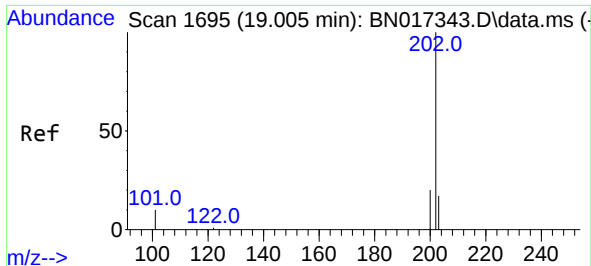


#27
 Fluoranthene-d10
 Concen: 0.079 ng
 RT: 18.975 min Scan# 1689
 Delta R.T. -0.000 min
 Lab File: BN017380.D
 Acq: 10 Nov 2021 11:42

Tgt Ion:212 Resp: 26666

Ion	Ratio	Lower	Upper
212	100		
106	12.6	10.5	15.7
104	6.8	5.8	8.6

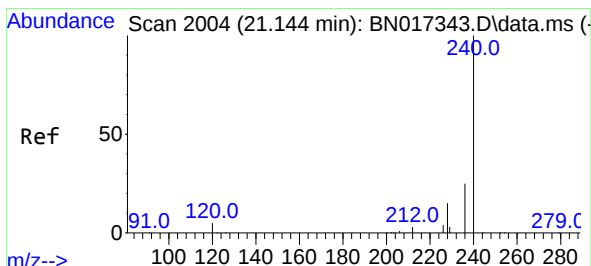
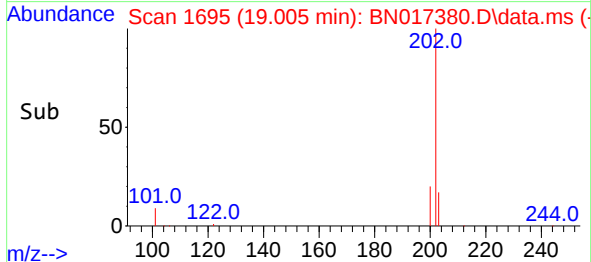
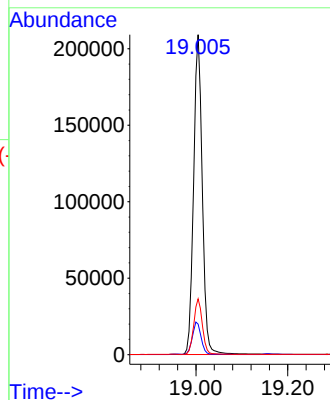
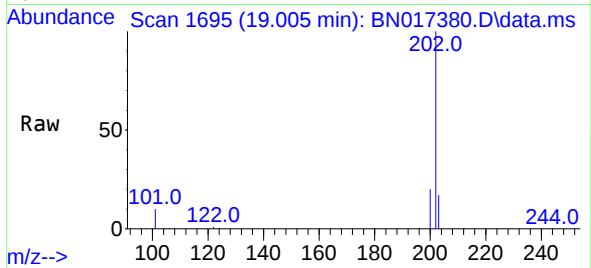




#28
Fluoranthene
Concen: 0.673 ng
RT: 19.005 min Scan# 1695
Delta R.T. -0.000 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

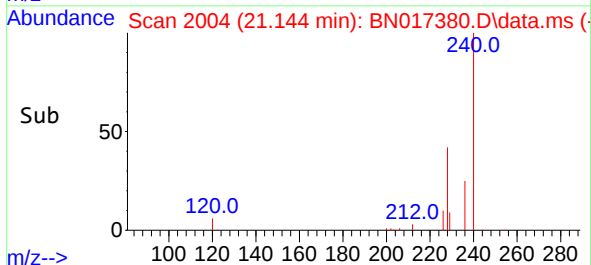
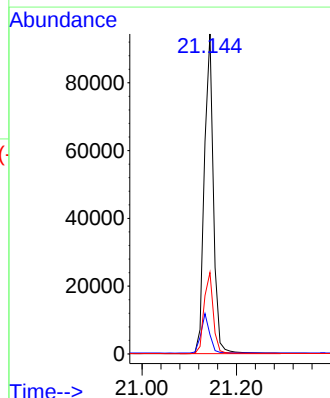
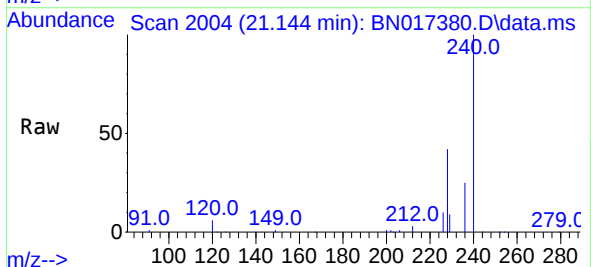
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

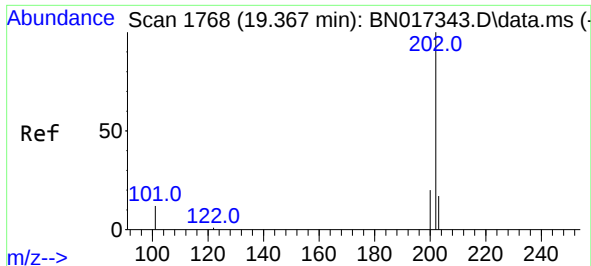
Tgt Ion:202 Resp: 275221
Ion Ratio Lower Upper
202 100
101 9.9 8.9 13.3
203 17.2 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.144 min Scan# 2004
Delta R.T. 0.011 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

Tgt Ion:240 Resp: 125752
Ion Ratio Lower Upper
240 100
120 6.1 4.2 6.2
236 25.4 20.0 30.0

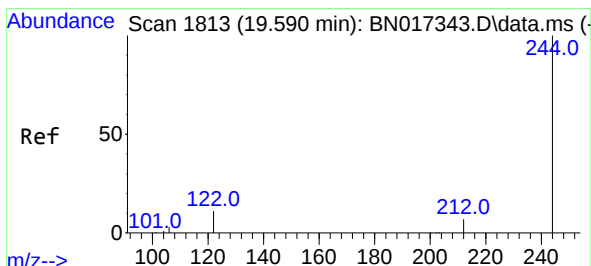
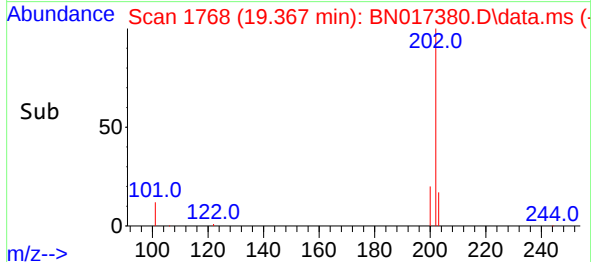
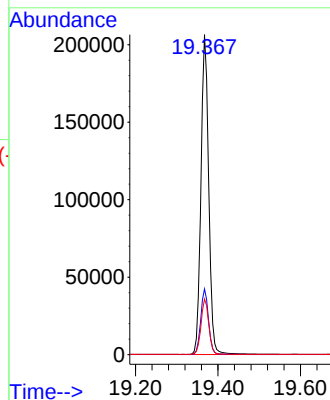
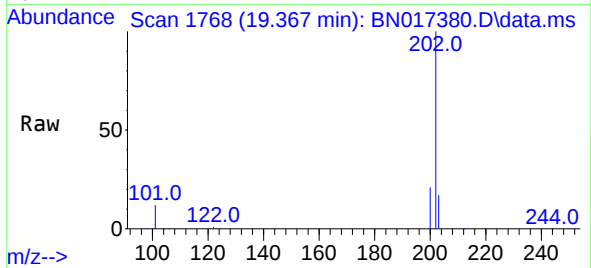




#30
Pyrene
Concen: 0.662 ng
RT: 19.367 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

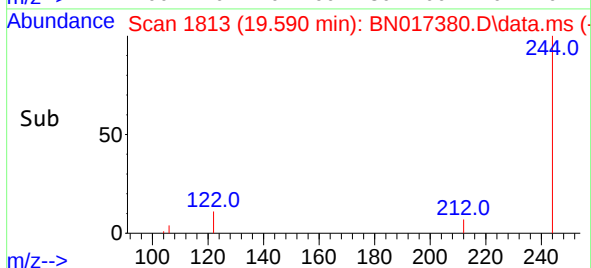
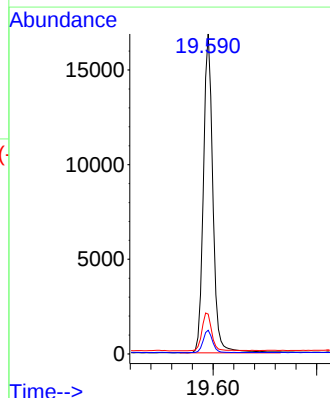
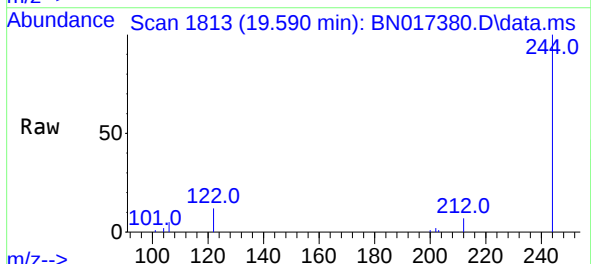
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

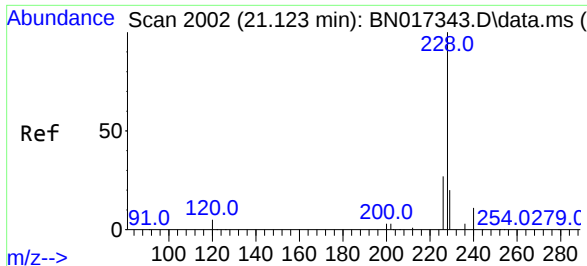
Tgt Ion:202 Resp: 268818
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 17.5 14.0 21.0



#31
Terphenyl-d14
Concen: 0.077 ng
RT: 19.590 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

Tgt Ion:244 Resp: 21479
Ion Ratio Lower Upper
244 100
212 7.4 5.7 8.5
122 12.5 8.6 13.0

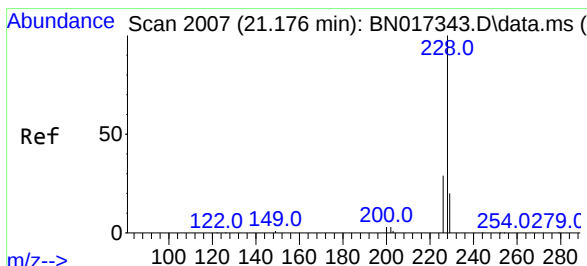
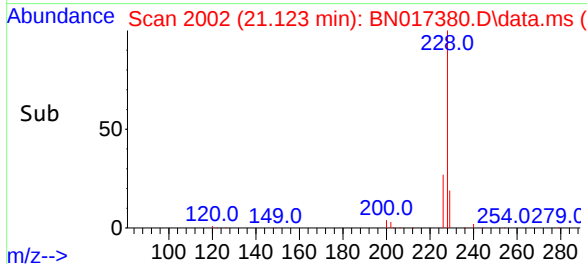
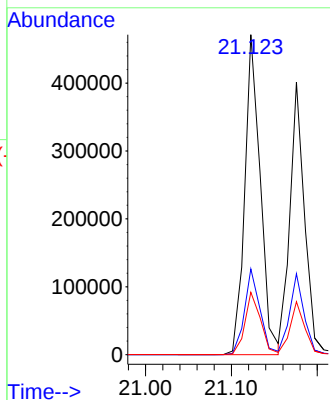
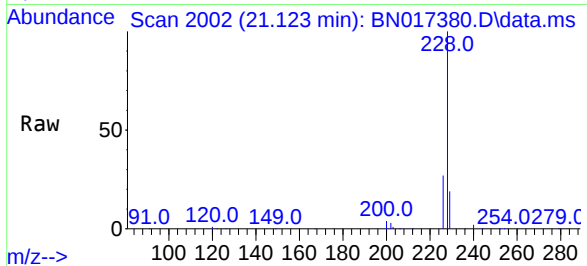




#32
Benzo(a)anthracene
Concen: 1.555 ng
RT: 21.123 min Scan# 2002
Delta R.T. -0.000 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

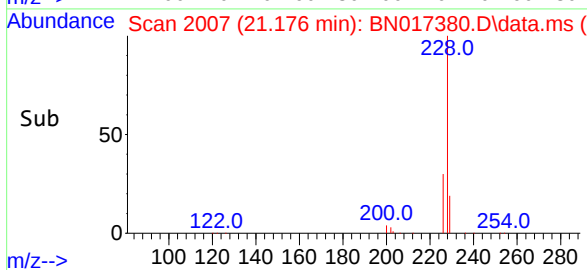
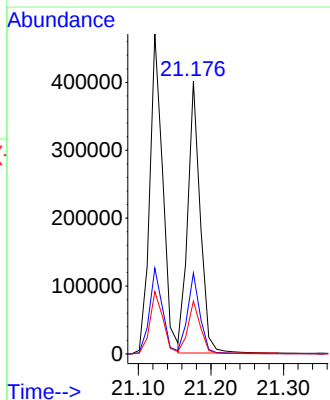
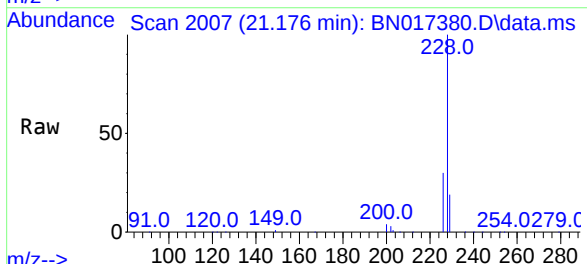
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

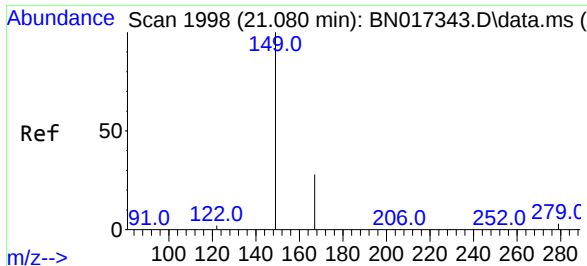
Tgt Ion:228 Resp: 593465
Ion Ratio Lower Upper
228 100
226 26.8 21.3 31.9
229 19.5 15.7 23.5



#33
Chrysene
Concen: 1.174 ng
RT: 21.176 min Scan# 2007
Delta R.T. -0.000 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

Tgt Ion:228 Resp: 476827
Ion Ratio Lower Upper
228 100
226 29.7 23.3 34.9
229 19.4 15.6 23.4

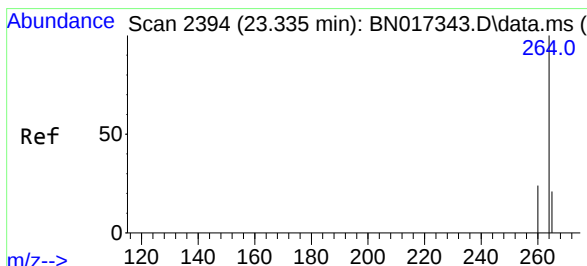
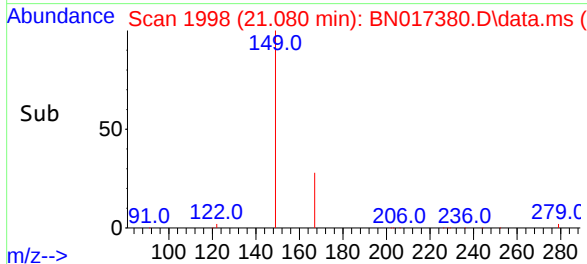
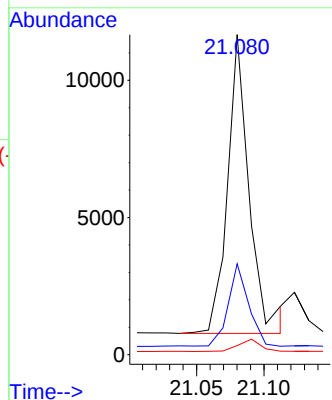
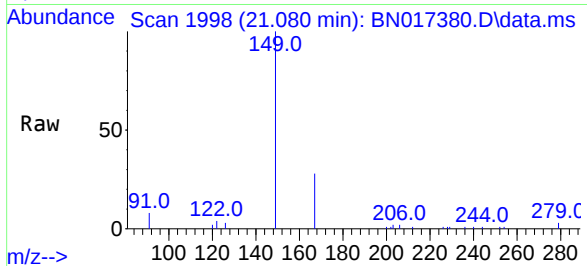




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.090 ng
RT: 21.080 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

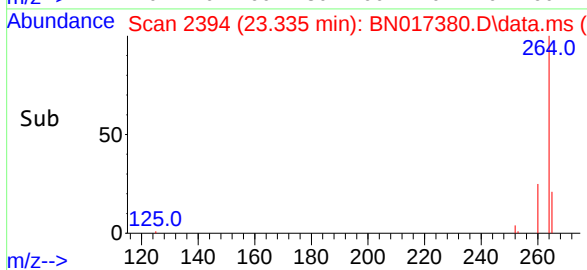
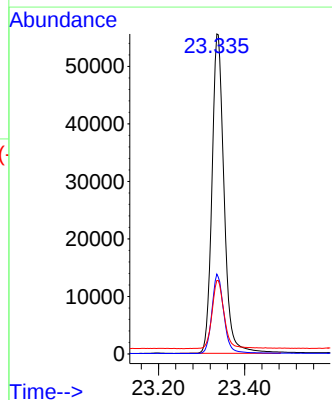
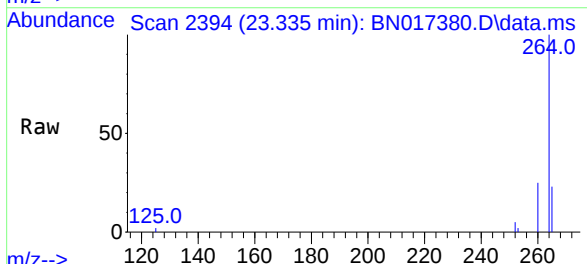
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

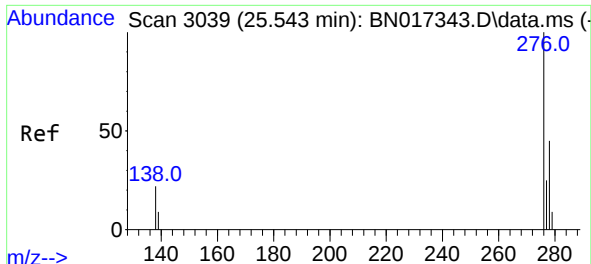
Tgt Ion:149 Resp: 12152
Ion Ratio Lower Upper
149 100
167 26.2 21.8 32.6
279 4.2 3.4 5.0



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.335 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

Tgt Ion:264 Resp: 108885
Ion Ratio Lower Upper
264 100
260 24.9 19.4 29.2
265 22.9 18.6 28.0

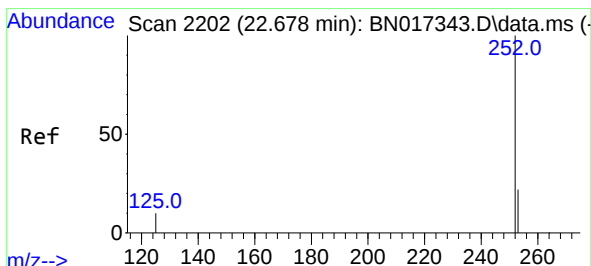
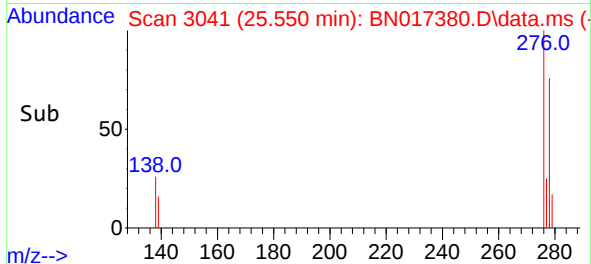
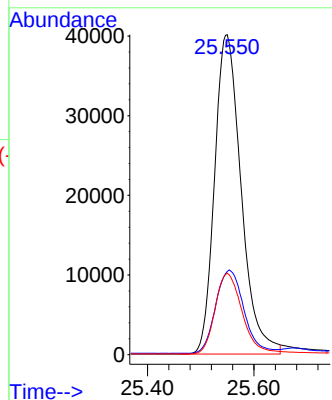
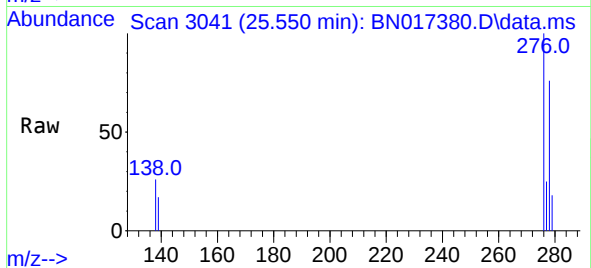




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.364 ng
RT: 25.550 min Scan# 3039
Delta R.T. 0.007 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

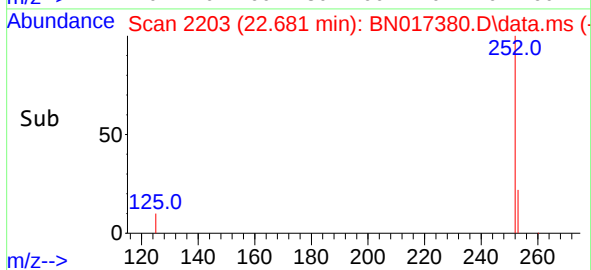
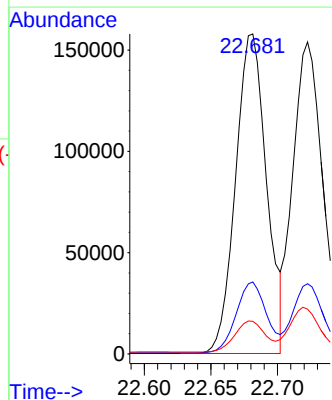
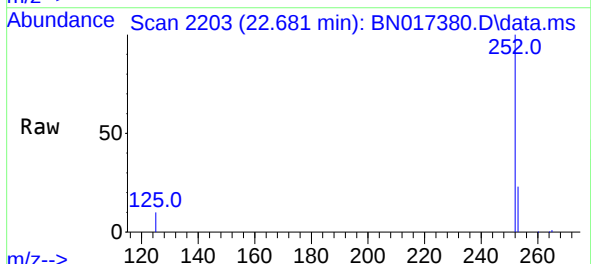
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

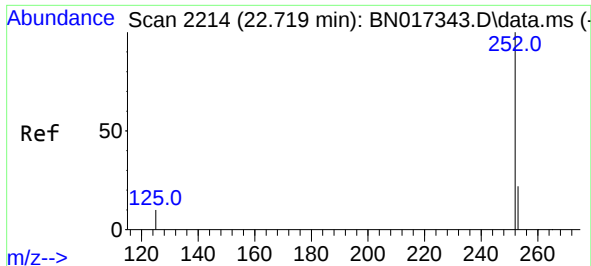
Tgt Ion:276 Resp: 138854
Ion Ratio Lower Upper
276 100
138 27.7 19.7 29.5
277 25.6 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 0.717 ng
RT: 22.681 min Scan# 2203
Delta R.T. 0.007 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

Tgt Ion:252 Resp: 255155
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 10.2 7.8 11.8

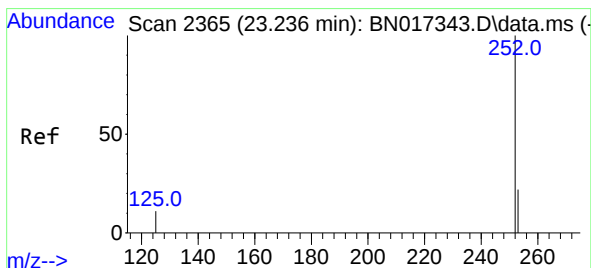
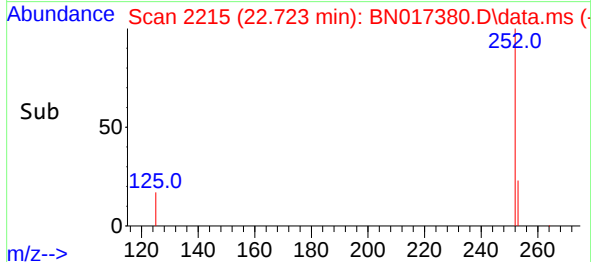
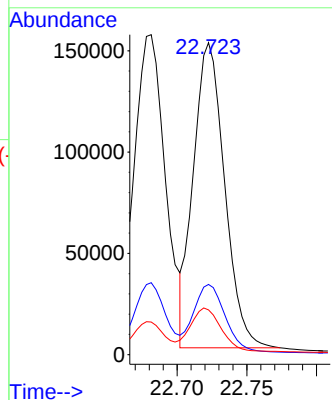
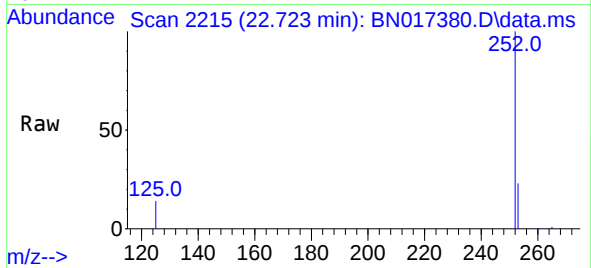




#38
Benzo(k)fluoranthene
Concen: 0.659 ng
RT: 22.723 min Scan# 211
Delta R.T. 0.003 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

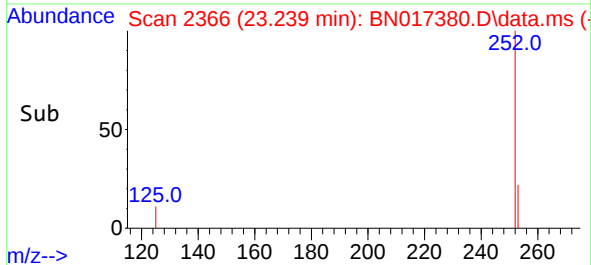
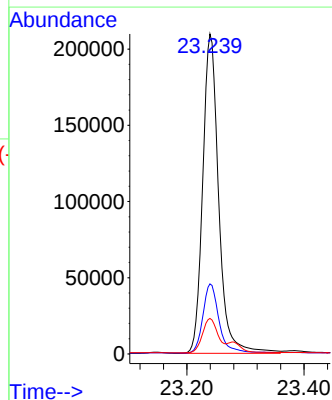
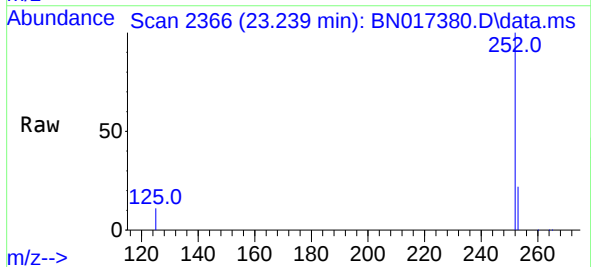
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

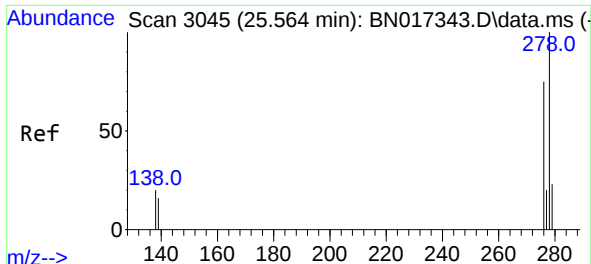
Tgt Ion:252 Resp: 234578
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 14.3 8.2 12.2#



#39
Benzo(a)pyrene
Concen: 1.259 ng
RT: 23.239 min Scan# 2366
Delta R.T. 0.003 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

Tgt Ion:252 Resp: 396615
Ion Ratio Lower Upper
252 100
253 21.9 17.9 26.9
125 11.1 9.2 13.8

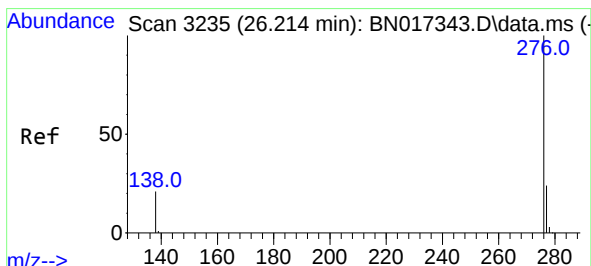
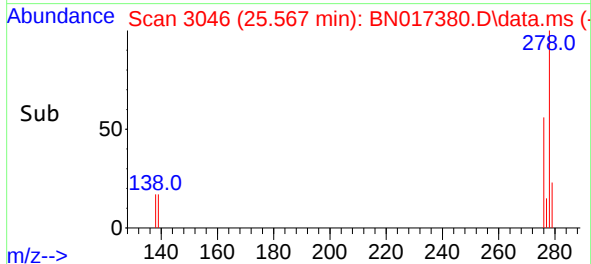
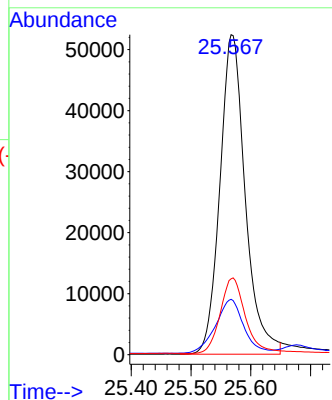
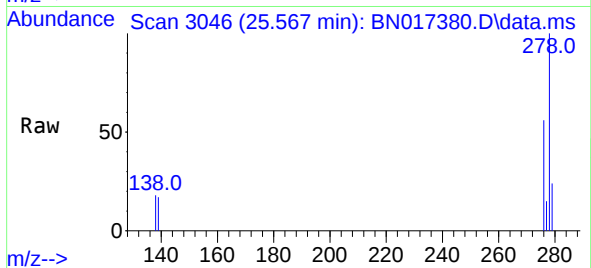




#40
Dibenzo(a,h)anthracene
Concen: 0.503 ng
RT: 25.567 min Scan# 3045
Delta R.T. 0.003 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

Tgt Ion:278 Resp: 154181
Ion Ratio Lower Upper
278 100
139 17.3 13.0 19.6
279 23.7 19.2 28.8



#41
Benzo(g,h,i)perylene
Concen: 0.277 ng
RT: 26.221 min Scan# 3237
Delta R.T. 0.003 min
Lab File: BN017380.D
Acq: 10 Nov 2021 11:42

Tgt Ion:276 Resp: 91593
Ion Ratio Lower Upper
276 100
277 24.0 19.0 28.4
138 21.6 17.1 25.7

