

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111021\
 Data File : BN017379.D
 Acq On : 10 Nov 2021 10:42
 Operator : CG/JU
 Sample : M4386-14
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

Quant Time: Nov 10 11:15:45 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

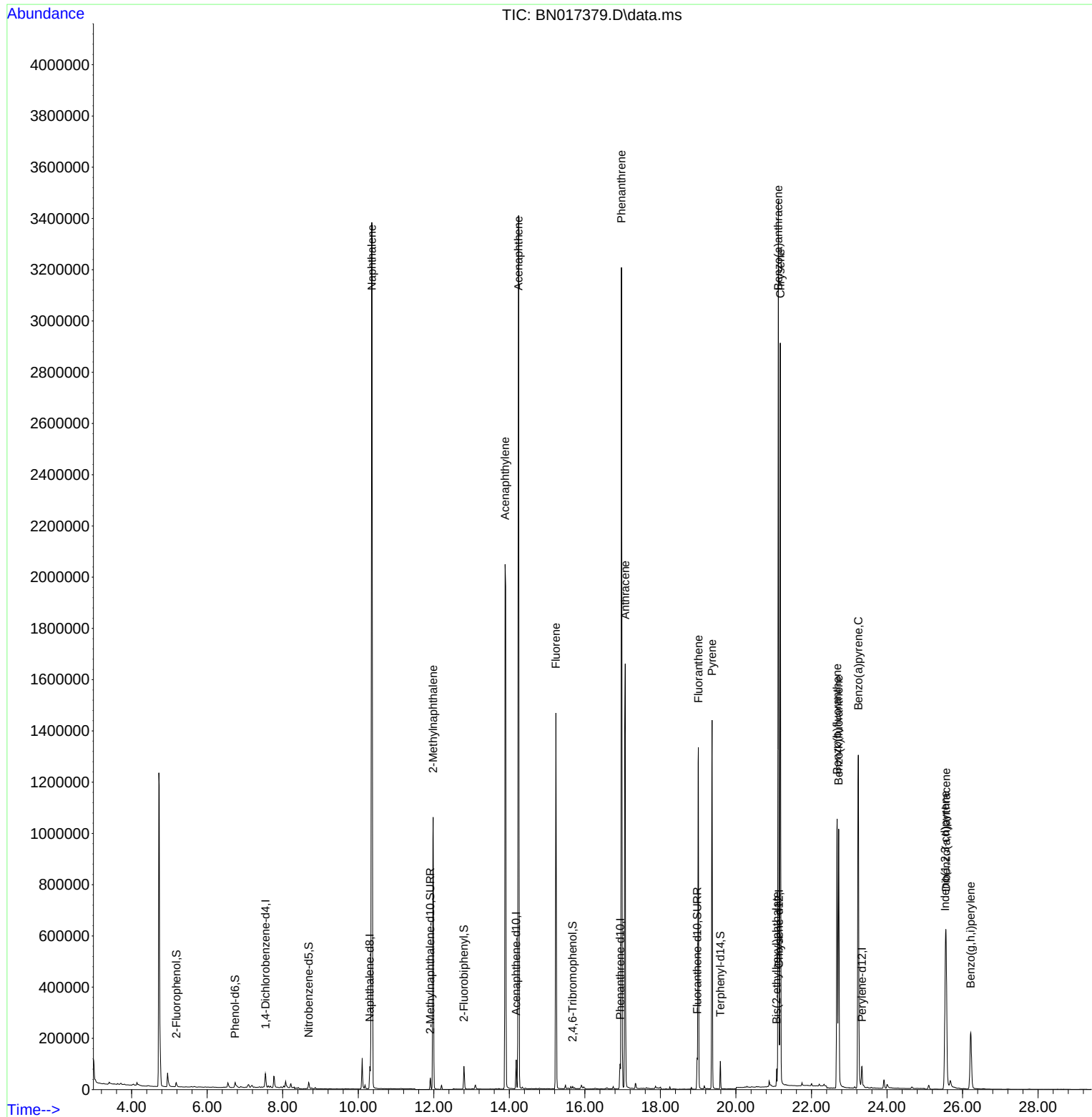
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.543	152	26321	0.400	ng	0.00
7) Naphthalene-d8	10.307	136	117439	0.400	ng	# 0.00
13) Acenaphthene-d10	14.182	164	62231	0.400	ng	0.00
19) Phenanthrene-d10	16.934	188	125343	0.400	ng	0.00
29) Chrysene-d12	21.144	240	113272	0.400	ng	0.01
35) Perylene-d12	23.335	264	103492	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.182	112	17857	0.294	ng	0.02
5) Phenol-d6	6.740	99	18868	0.282	ng	0.00
8) Nitrobenzene-d5	8.685	82	23356	0.331	ng	0.00
11) 2-Methylnaphthalene-d10	11.907	152	58378	0.338	ng	0.00
14) 2,4,6-Tribromophenol	15.679	330	6126	0.264	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	77044	0.325	ng	0.00
27) Fluoranthene-d10	18.975	212	127179	0.398	ng	0.00
31) Terphenyl-d14	19.586	244	108366	0.429	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.358	128	4422411	14.293	ng	99
12) 2-Methylnaphthalene	11.982	142	758654	3.726	ng	100
16) Acenaphthylene	13.890	152	2536376	9.999	ng	100
17) Acenaphthene	14.245	154	1700654	9.735	ng	96
18) Fluorene	15.235	166	865693	4.149	ng	99
25) Phenanthrene	16.970	178	3166157	8.815	ng	100
26) Anthracene	17.068	178	1868533	6.245	ng	100
28) Fluoranthene	19.005	202	1200612	3.099	ng	100
30) Pyrene	19.367	202	1232984	3.369	ng	100
32) Benzo(a)anthracene	21.123	228	2816148	8.194	ng	99
33) Chrysene	21.176	228	2180615	5.962	ng	99
34) Bis(2-ethylhexyl)phtha...	21.080	149	65201	0.538	ng	96
36) Indeno(1,2,3-cd)pyrene	25.543	276	681138	1.880	ng	97
37) Benzo(b)fluoranthene	22.678	252	1279311	3.781	ng	100
38) Benzo(k)fluoranthene	22.723	252	1167901	3.451	ng	98
39) Benzo(a)pyrene	23.240	252	1871109	6.248	ng	99
40) Dibenzo(a,h)anthracene	25.564	278	766132	2.629	ng	99
41) Benzo(g,h,i)perylene	26.218	276	449622	1.431	ng	100

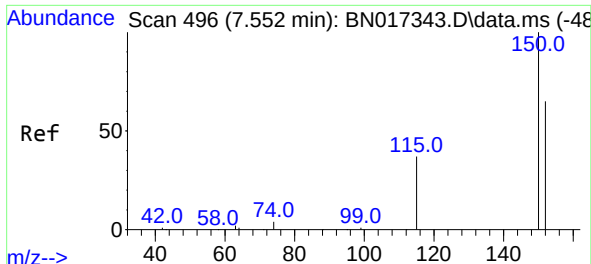
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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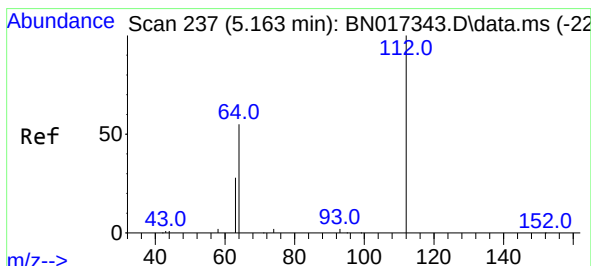
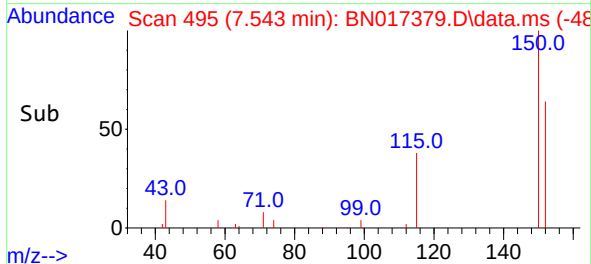
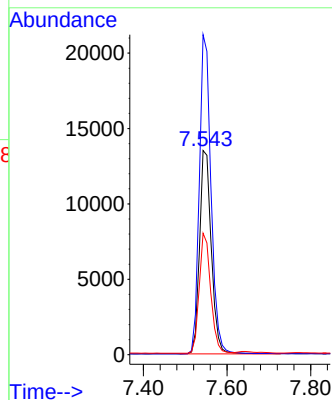
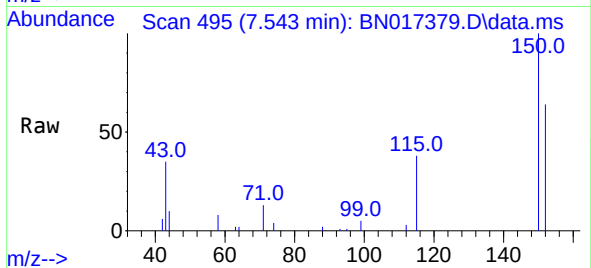




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.543 min Scan# 496
Delta R.T. 0.001 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

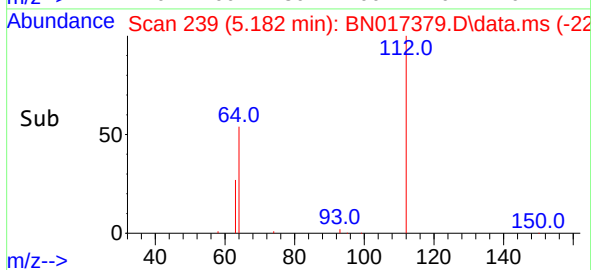
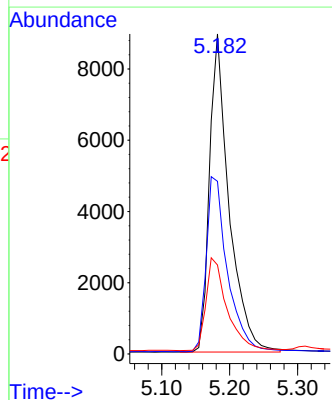
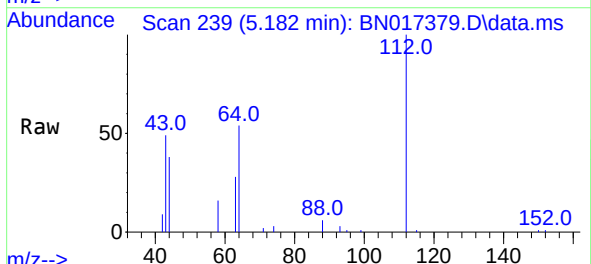
Instrument :
BNA_N
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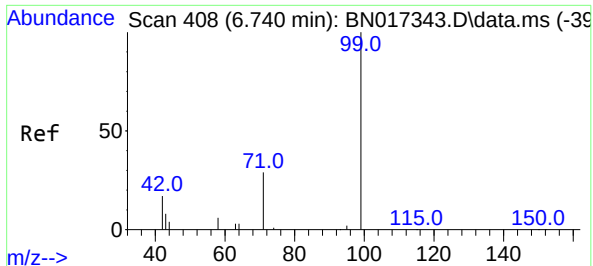
Tgt Ion:152 Resp: 26321
Ion Ratio Lower Upper
152 100
150 156.7 123.0 184.4
115 59.4 45.6 68.4



#4
2-Fluorophenol
Concen: 0.294 ng
RT: 5.182 min Scan# 239
Delta R.T. 0.019 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

Tgt Ion:112 Resp: 17857
Ion Ratio Lower Upper
112 100
64 59.6 47.6 71.4
63 31.4 24.6 37.0

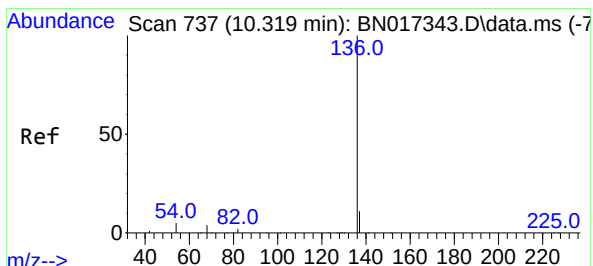
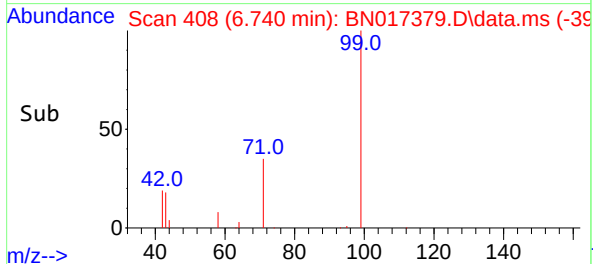
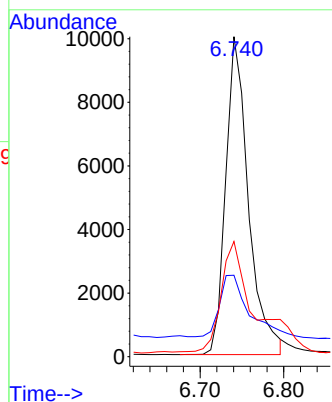
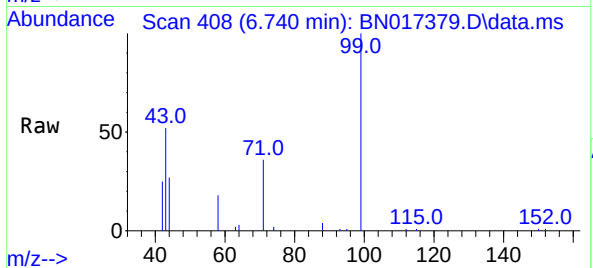




#5
Phenol-d6
Concen: 0.282 ng
RT: 6.740 min Scan# 408
Delta R.T. 0.009 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

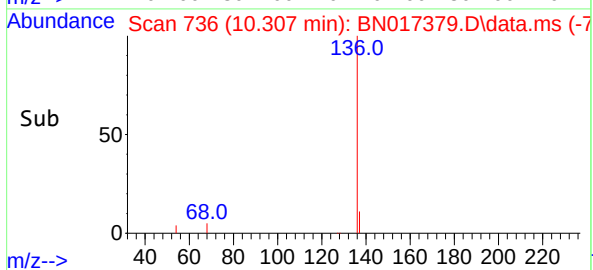
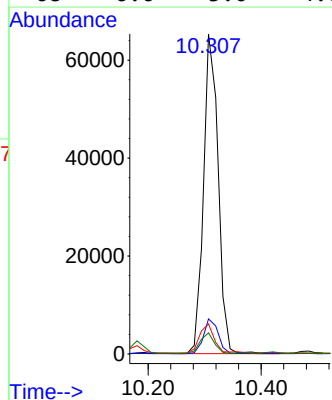
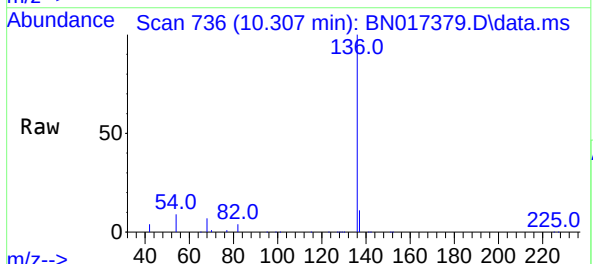
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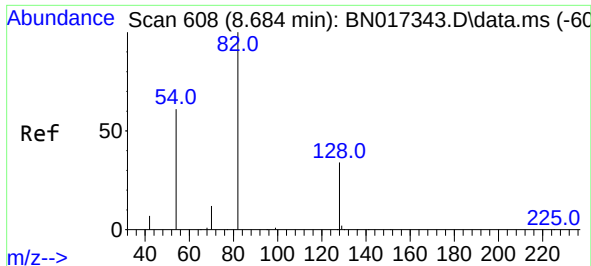
Tgt Ion: 99 Resp: 18868
Ion Ratio Lower Upper
99 100
42 24.1 17.0 25.6
71 43.6 24.8 37.2#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.307 min Scan# 736
Delta R.T. 0.000 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

Tgt Ion: 136 Resp: 117439
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 9.4 4.0 6.0#
68 6.6 3.0 4.6#

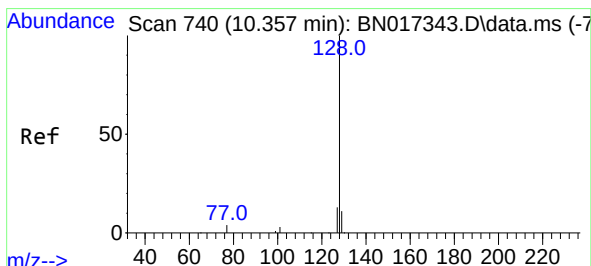
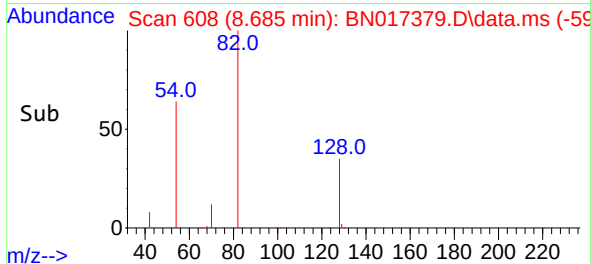
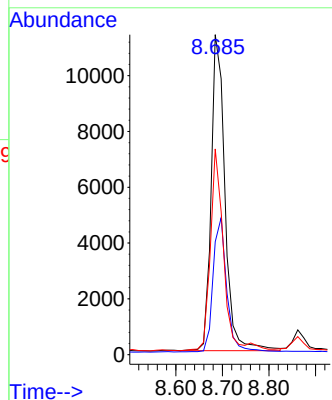
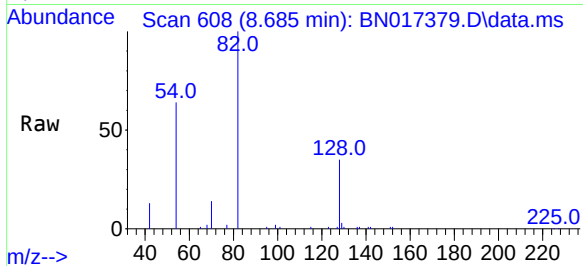




#8
Nitrobenzene-d5
Concen: 0.331 ng
RT: 8.685 min Scan# 608
Delta R.T. 0.000 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

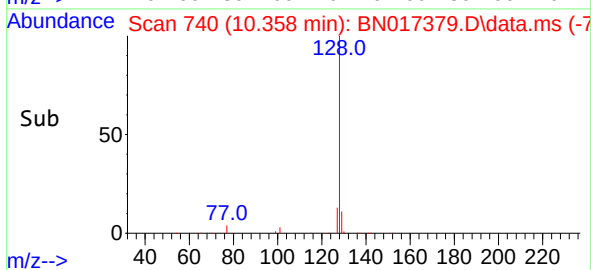
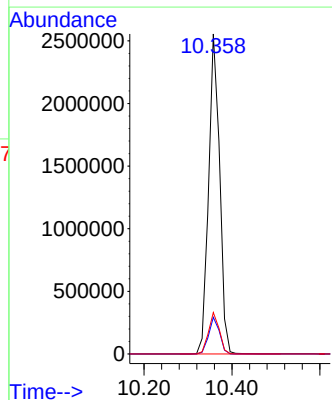
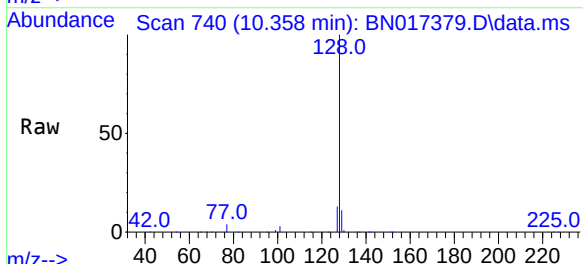
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

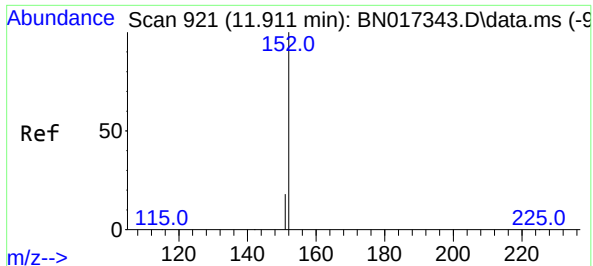
Tgt Ion: 82 Resp: 23356
Ion Ratio Lower Upper
82 100
128 35.3 27.7 41.5
54 64.3 49.2 73.8



#9
Naphthalene
Concen: 14.293 ng
RT: 10.358 min Scan# 740
Delta R.T. 0.000 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

Tgt Ion: 128 Resp: 4422411
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 12.9 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.338 ng

RT: 11.907 min Scan# 91

Delta R.T. -0.004 min

Lab File: BN017379.D

Acq: 10 Nov 2021 10:42

Instrument :

BNA_N

ClientSampleId :

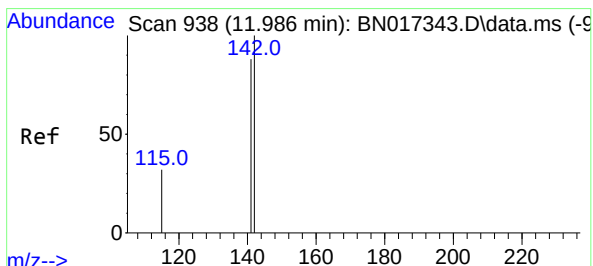
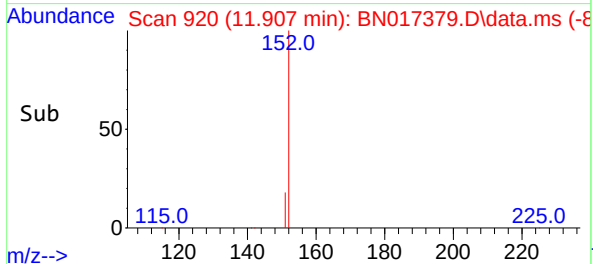
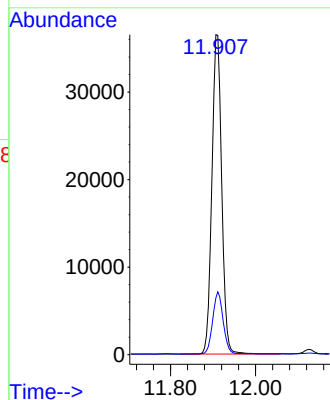
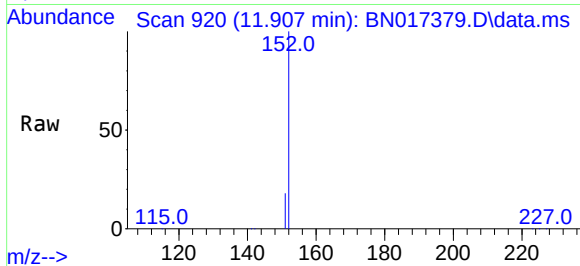
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Tgt Ion:152 Resp: 58378

Ion Ratio Lower Upper

152 100

151 20.8 16.2 24.4



#12

2-Methylnaphthalene

Concen: 3.726 ng

RT: 11.982 min Scan# 937

Delta R.T. 0.000 min

Lab File: BN017379.D

Acq: 10 Nov 2021 10:42

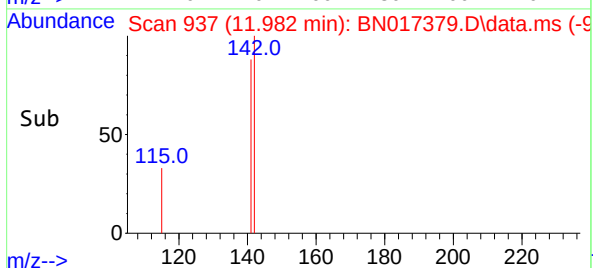
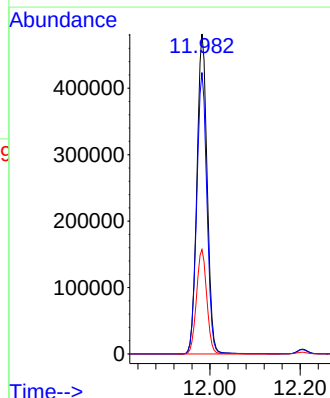
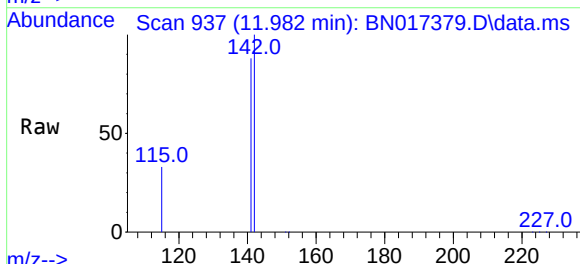
Tgt Ion:142 Resp: 758654

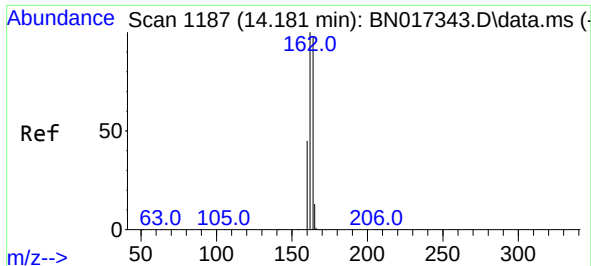
Ion Ratio Lower Upper

142 100

141 88.0 70.6 106.0

115 32.7 25.8 38.6

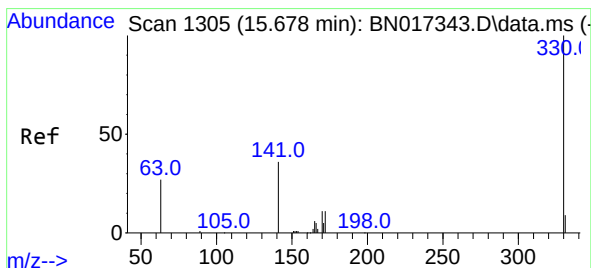
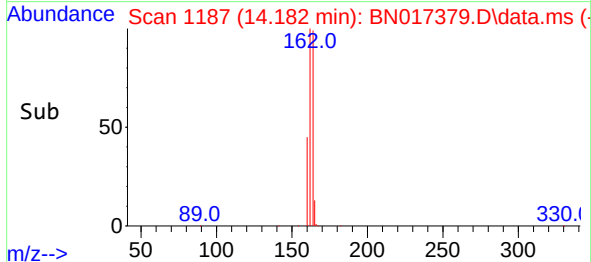
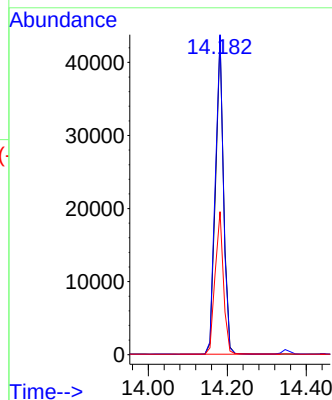
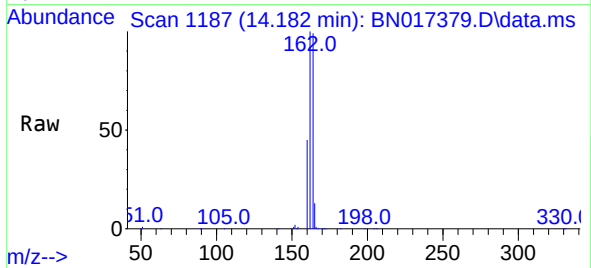




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.182 min Scan# 1187
Delta R.T. 0.000 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

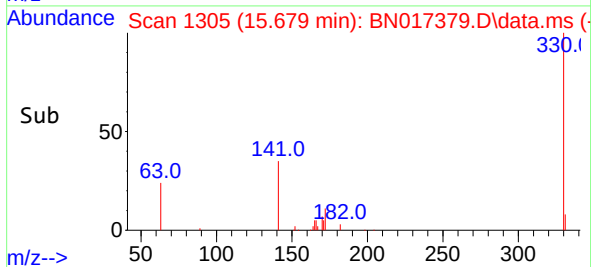
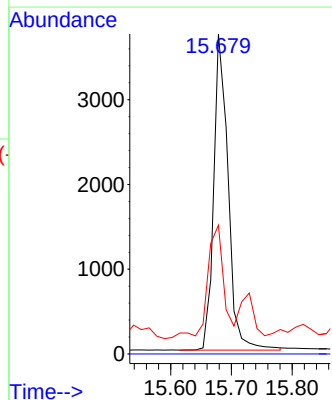
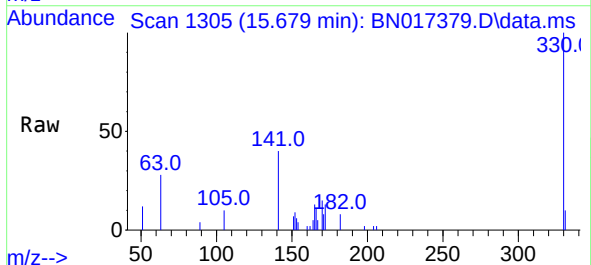
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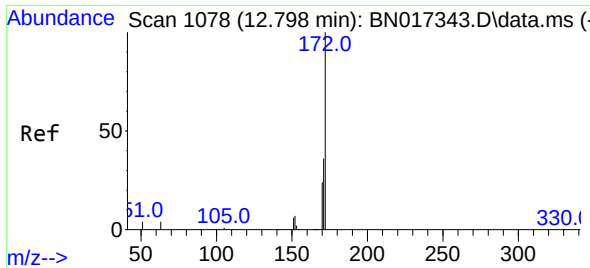
Tgt Ion:164 Resp: 62231
Ion Ratio Lower Upper
164 100
162 100.5 81.4 122.2
160 44.9 36.8 55.2



#14
2,4,6-Tribromophenol
Concen: 0.264 ng
RT: 15.679 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

Tgt Ion:330 Resp: 6126
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 39.7 28.9 43.3

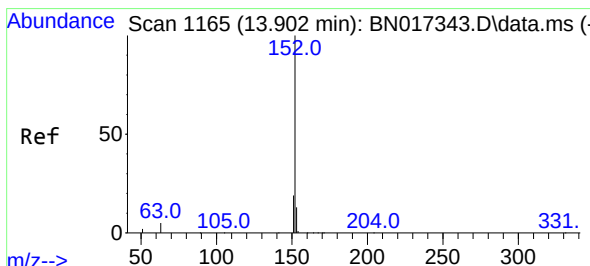
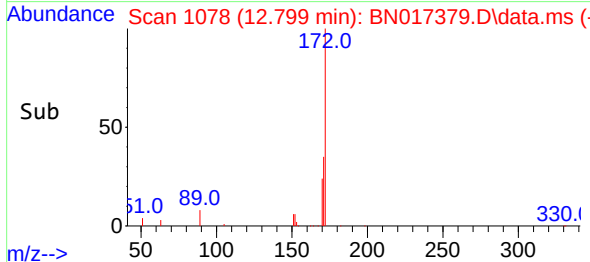
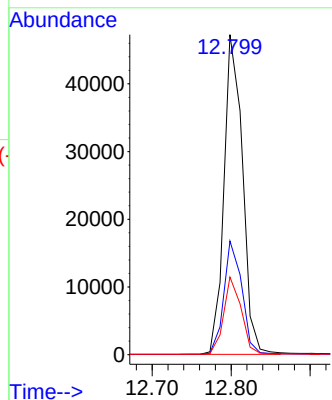
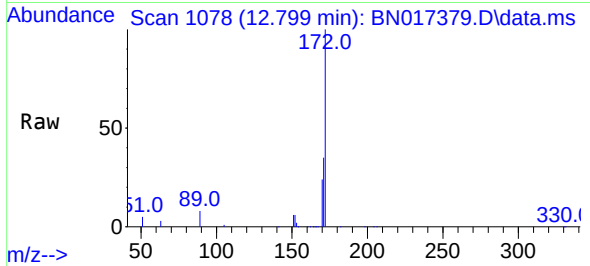




#15
2-Fluorobiphenyl
Concen: 0.325 ng
RT: 12.799 min Scan# 1078
Delta R.T. 0.000 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

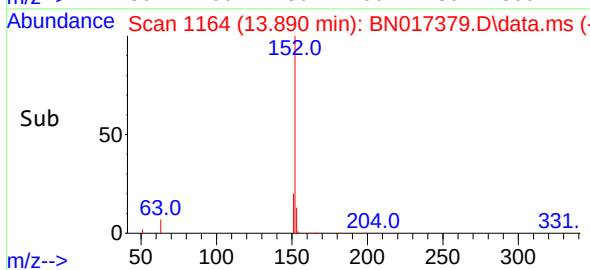
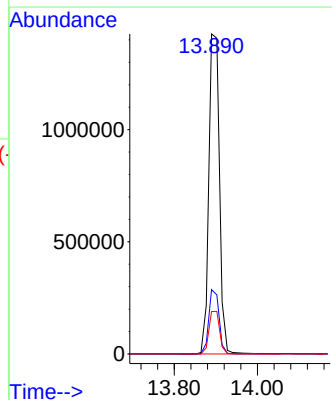
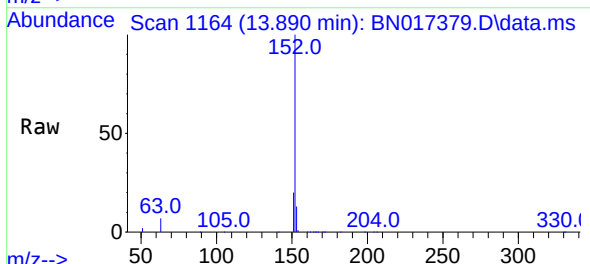
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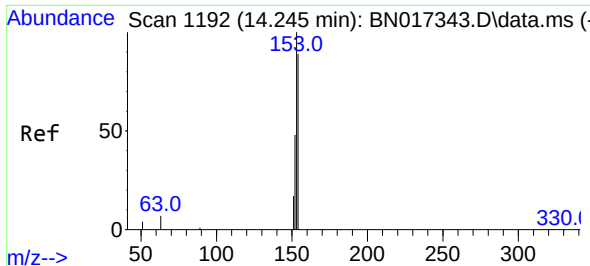
Tgt Ion:172 Resp: 77044
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 24.3 19.4 29.2



#16
Acenaphthylene
Concen: 9.999 ng
RT: 13.890 min Scan# 1164
Delta R.T. -0.013 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

Tgt Ion:152 Resp: 2536376
Ion Ratio Lower Upper
152 100
151 19.4 15.5 23.3
153 13.3 10.4 15.6

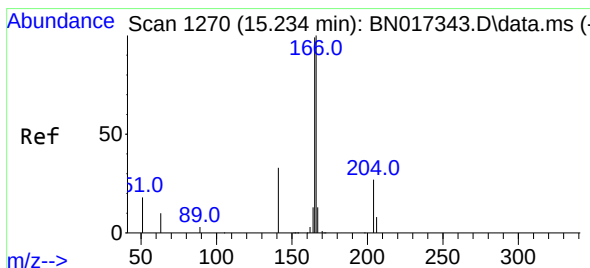
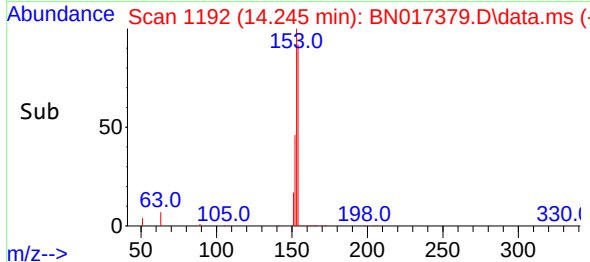
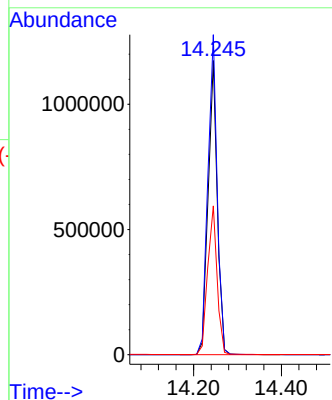
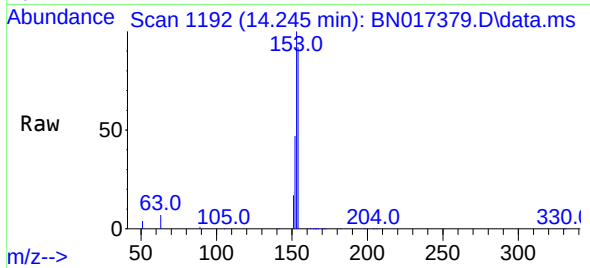




#17
Acenaphthene
Concen: 9.735 ng
RT: 14.245 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

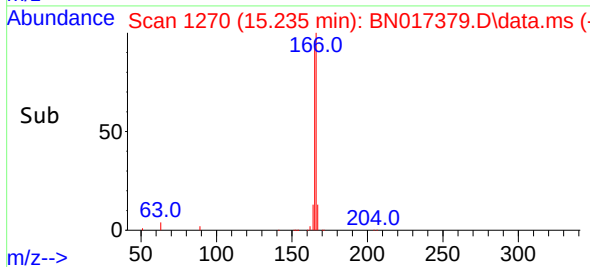
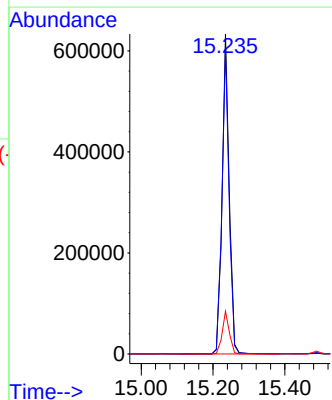
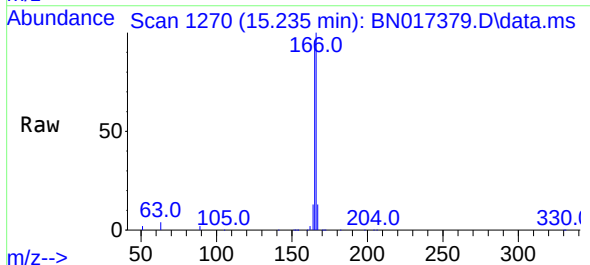
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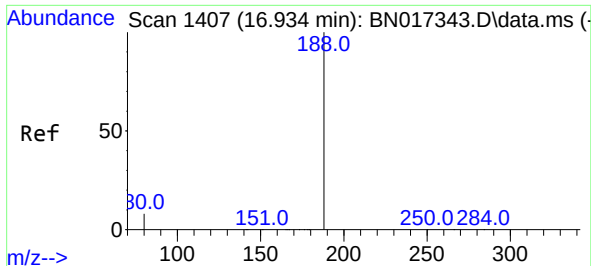
Tgt Ion:154 Resp: 1700654
Ion Ratio Lower Upper
154 100
153 110.4 91.2 136.8
152 52.1 44.3 66.5



#18
Fluorene
Concen: 4.149 ng
RT: 15.235 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

Tgt Ion:166 Resp: 865693
Ion Ratio Lower Upper
166 100
165 96.3 77.9 116.9
167 13.4 10.9 16.3

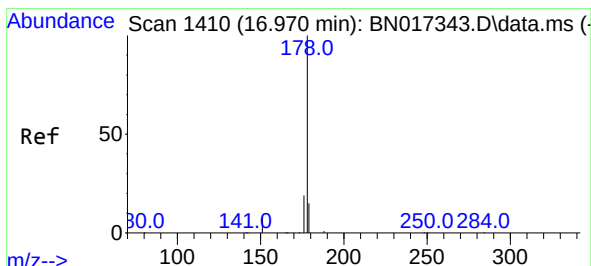
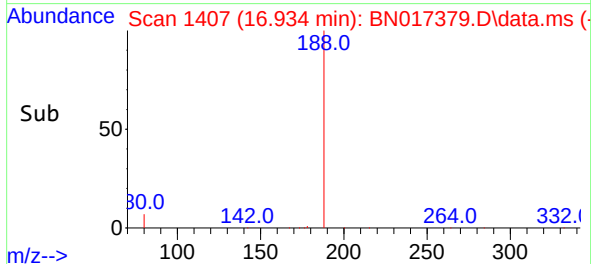
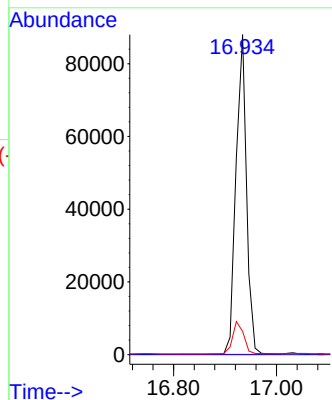
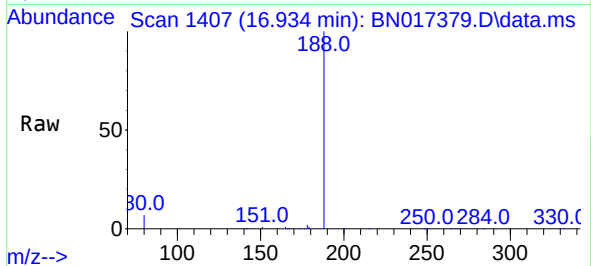




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.934 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

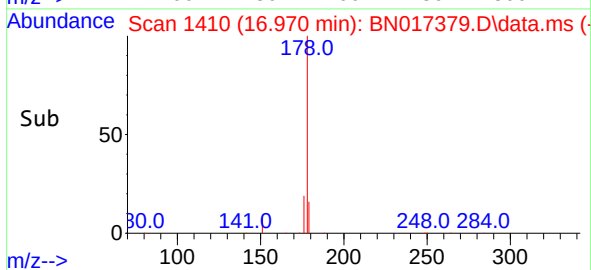
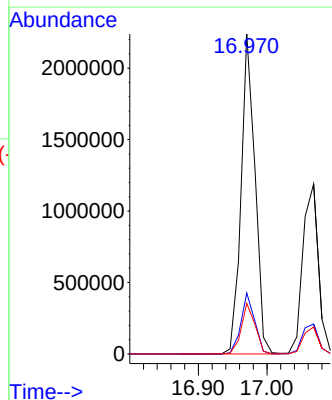
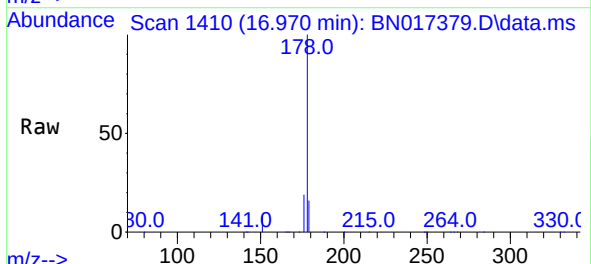
Instrument :
BNA_N
ClientSampleId :
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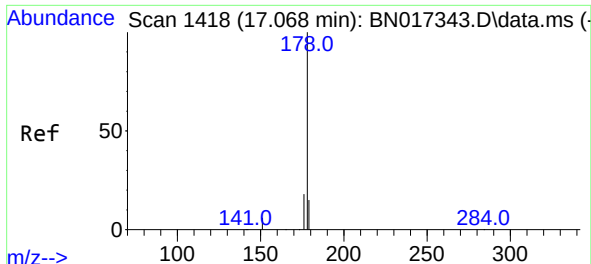
Tgt Ion:188 Resp: 125343
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.3 6.1 9.1



#25
Phenanthrene
Concen: 8.815 ng
RT: 16.970 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

Tgt Ion:178 Resp: 3166157
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.8 12.3 18.5



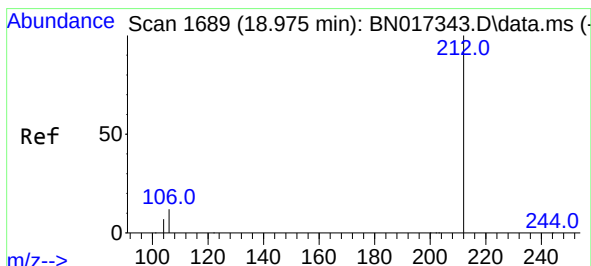
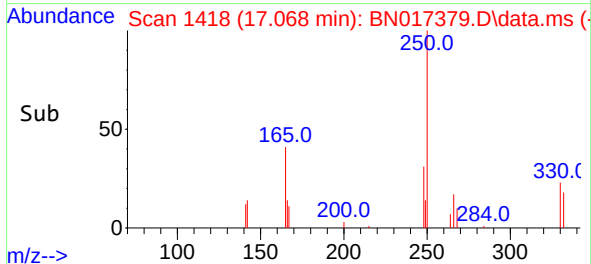
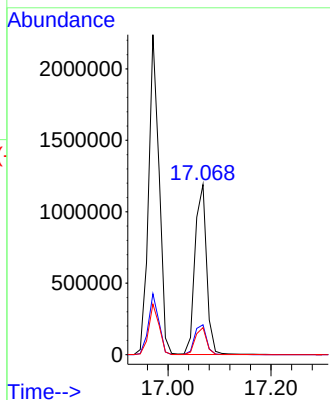
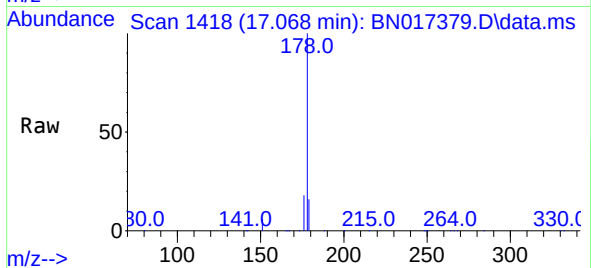


#26
 Anthracene
 Concen: 6.245 ng
 RT: 17.068 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: BN017379.D
 Acq: 10 Nov 2021 10:42

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

Tgt Ion:178 Resp: 1868533

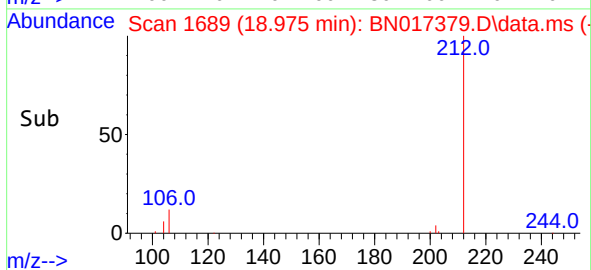
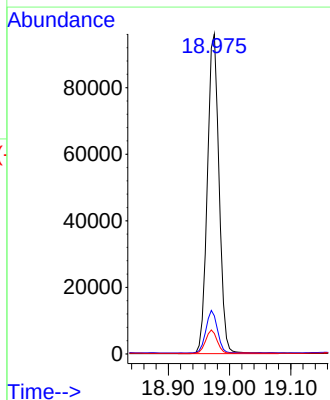
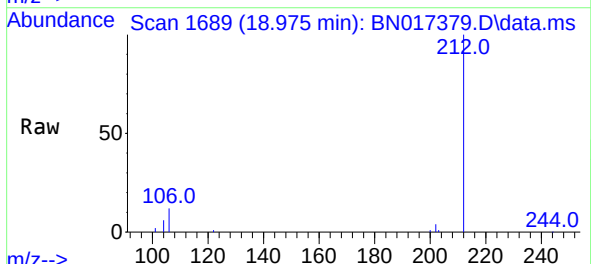
Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	22.0
179	15.4	12.2	18.4

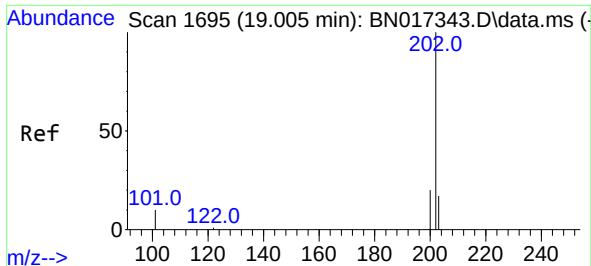


#27
 Fluoranthene-d10
 Concen: 0.398 ng
 RT: 18.975 min Scan# 1689
 Delta R.T. 0.000 min
 Lab File: BN017379.D
 Acq: 10 Nov 2021 10:42

Tgt Ion:212 Resp: 127179

Ion	Ratio	Lower	Upper
212	100		
106	13.0	10.5	15.7
104	7.1	5.8	8.6

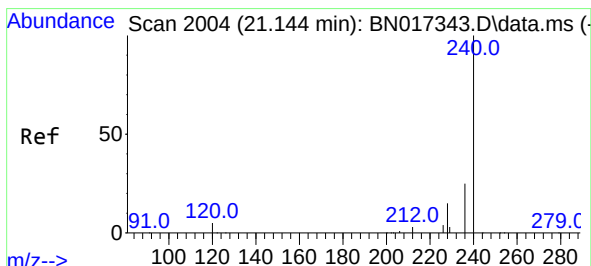
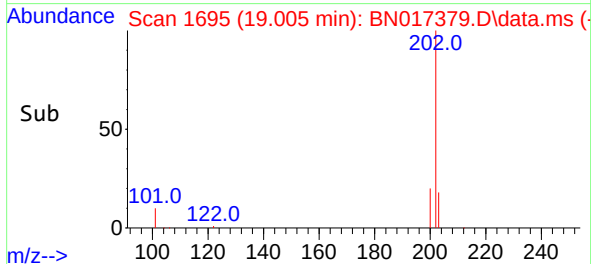
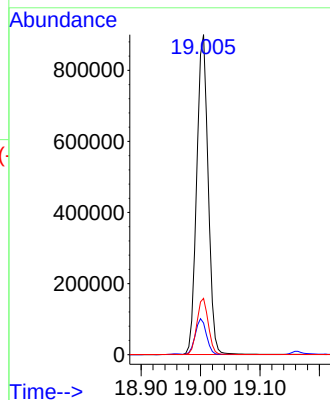
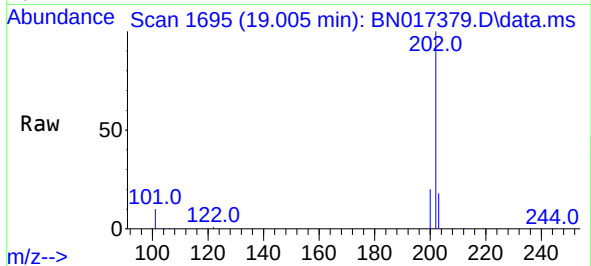




#28
Fluoranthene
Concen: 3.099 ng
RT: 19.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

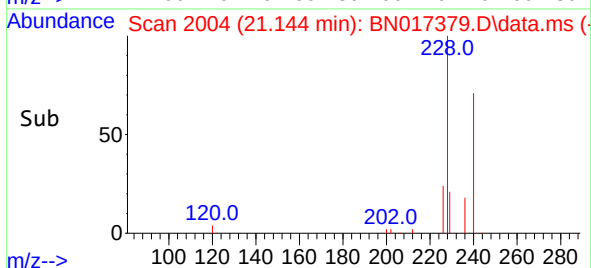
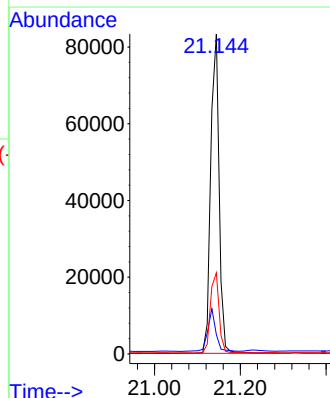
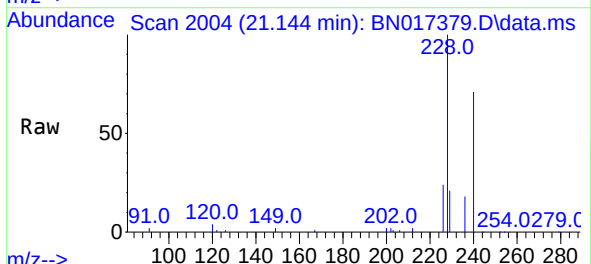
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

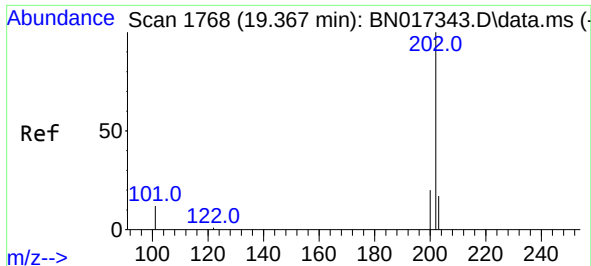
Tgt Ion:202 Resp: 1200612
Ion Ratio Lower Upper
202 100
101 11.0 8.9 13.3
203 17.4 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.144 min Scan# 2004
Delta R.T. 0.011 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

Tgt Ion:240 Resp: 113272
Ion Ratio Lower Upper
240 100
120 6.0 4.2 6.2
236 25.4 20.0 30.0

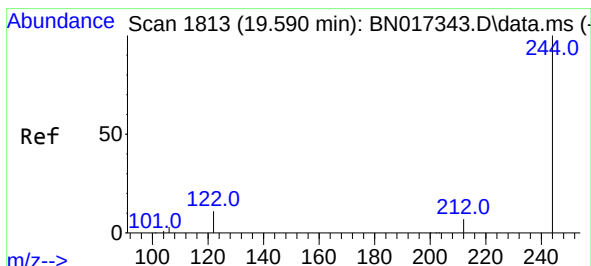
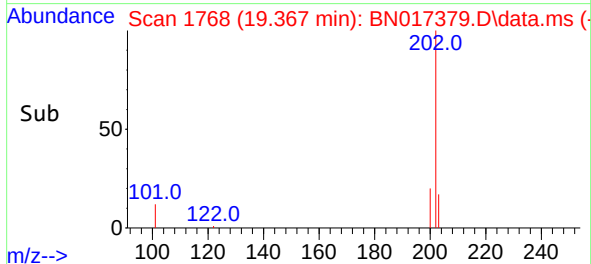
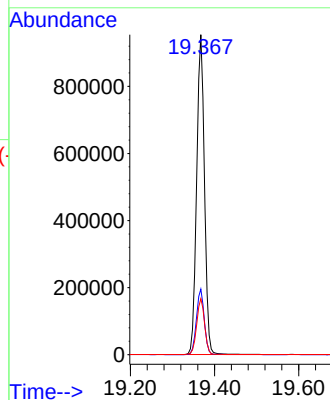
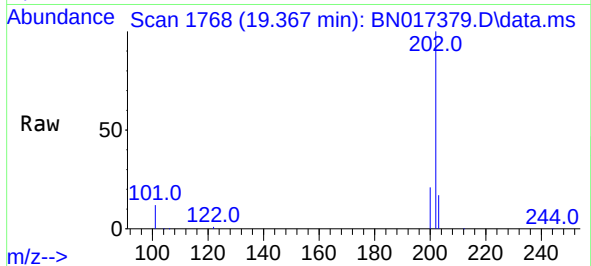




#30
Pyrene
Concen: 3.369 ng
RT: 19.367 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

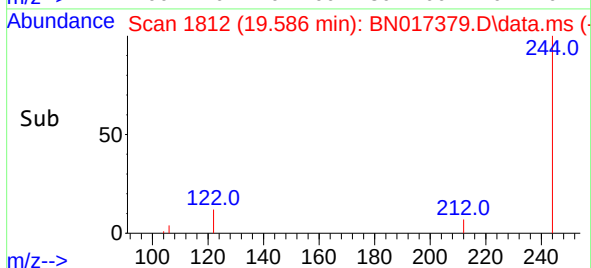
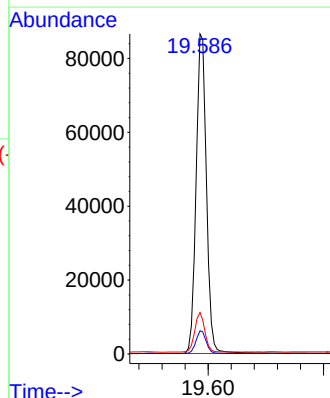
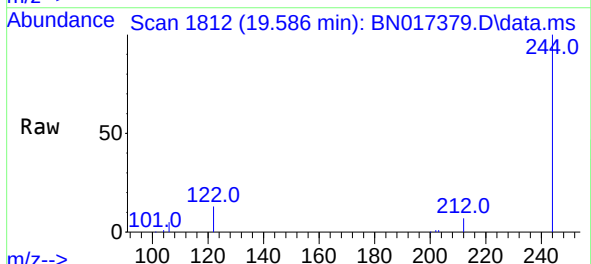
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

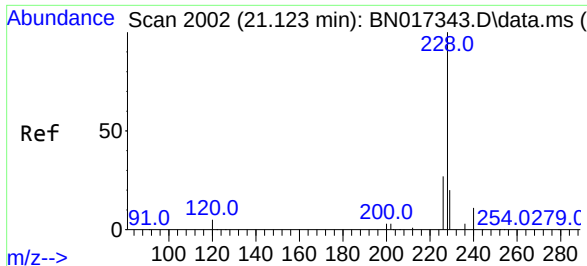
Tgt Ion:202 Resp: 1232984
Ion Ratio Lower Upper
202 100
200 20.5 16.5 24.7
203 17.7 14.0 21.0



#31
Terphenyl-d14
Concen: 0.429 ng
RT: 19.586 min Scan# 1812
Delta R.T. -0.005 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

Tgt Ion:244 Resp: 108366
Ion Ratio Lower Upper
244 100
212 7.3 5.7 8.5
122 12.9 8.6 13.0

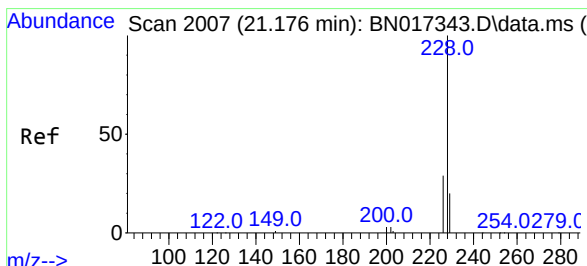
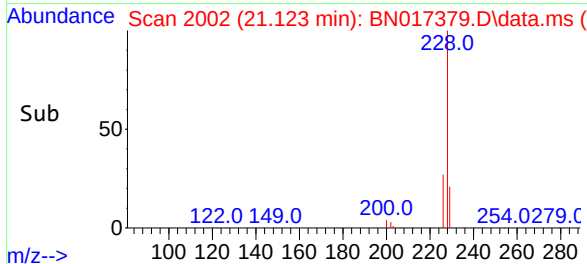
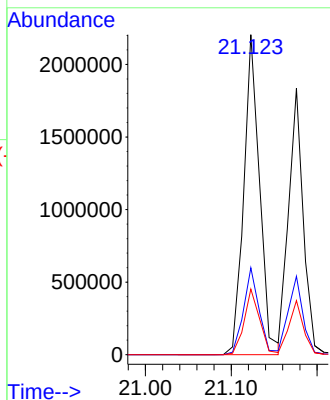
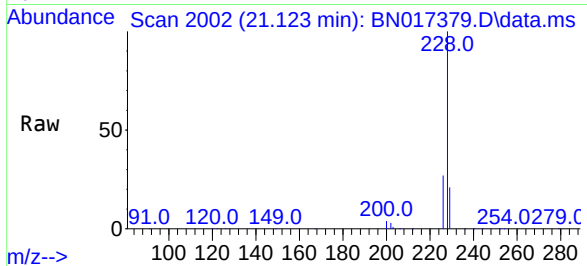




#32
Benzo(a)anthracene
Concen: 8.194 ng
RT: 21.123 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

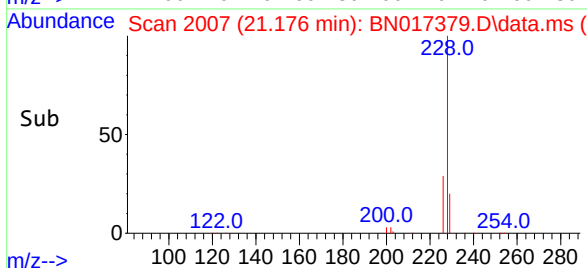
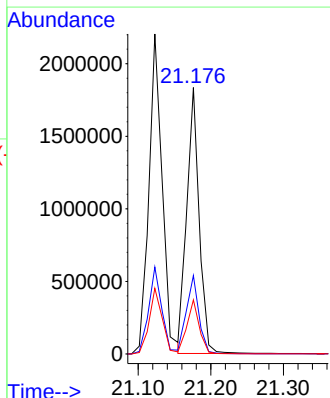
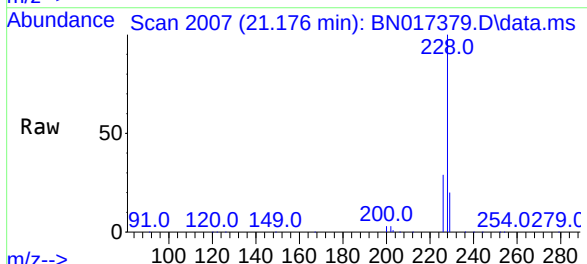
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

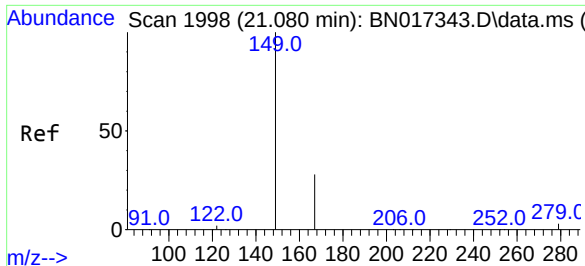
Tgt Ion:228 Resp: 2816148
Ion Ratio Lower Upper
228 100
226 27.2 21.3 31.9
229 20.5 15.7 23.5



#33
Chrysene
Concen: 5.962 ng
RT: 21.176 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

Tgt Ion:228 Resp: 2180615
Ion Ratio Lower Upper
228 100
226 29.4 23.3 34.9
229 20.3 15.6 23.4

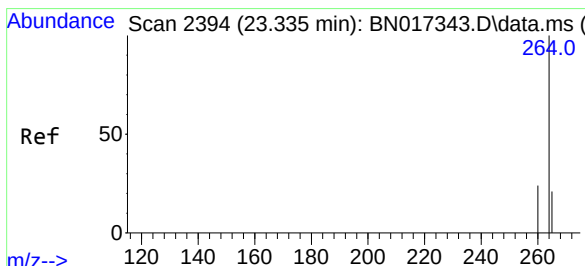
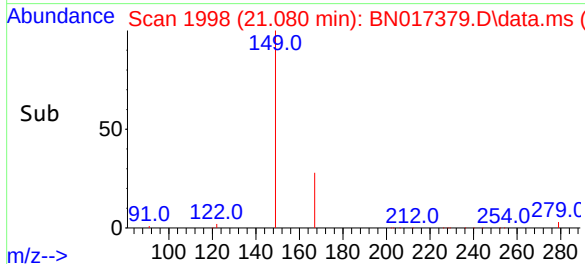
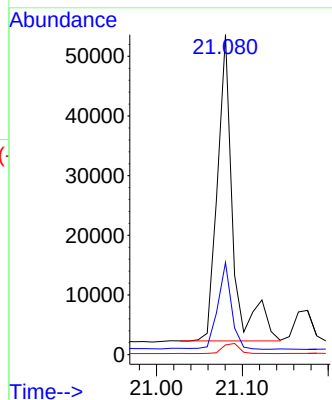
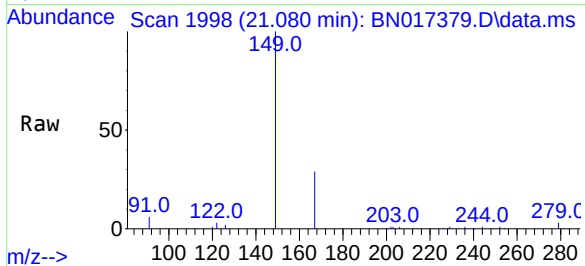




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.538 ng
RT: 21.080 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

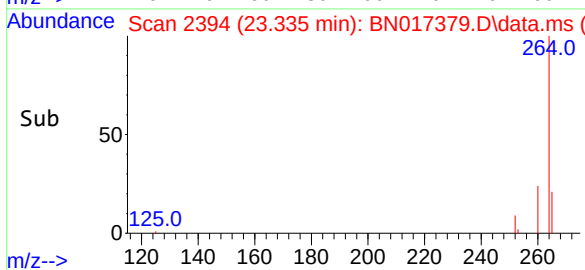
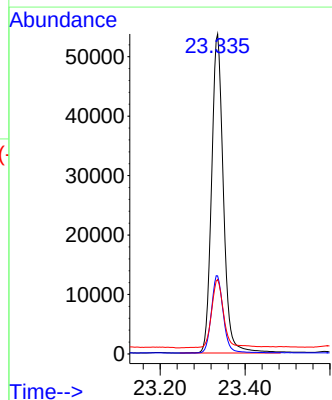
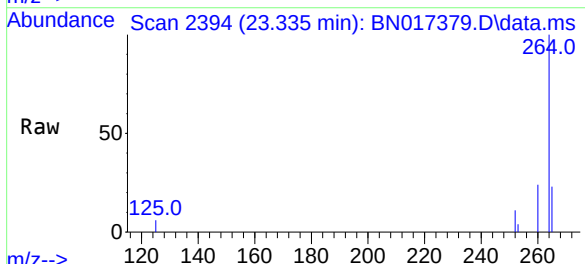
Instrument :
BNA_N
ClientSampleId :
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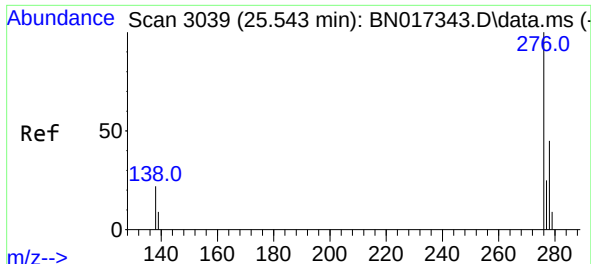
Tgt Ion:149 Resp: 65201
Ion Ratio Lower Upper
149 100
167 24.8 21.8 32.6
279 3.5 3.4 5.0



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.335 min Scan# 2394
Delta R.T. 0.000 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

Tgt Ion:264 Resp: 103492
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.2
265 23.3 18.6 28.0

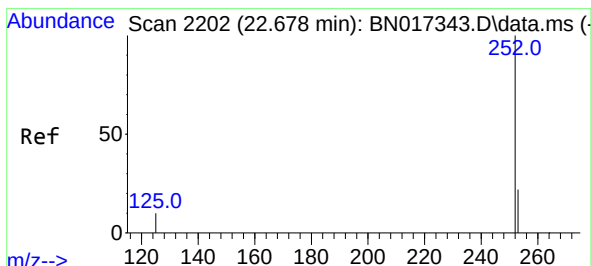
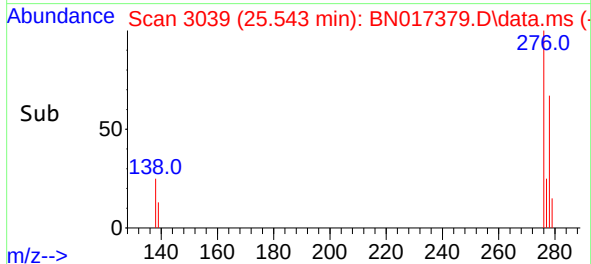
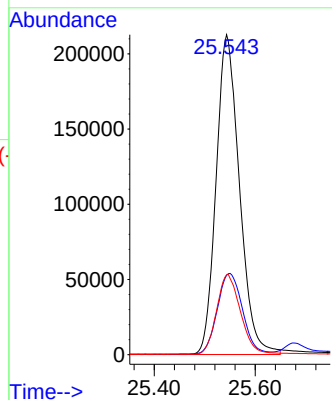
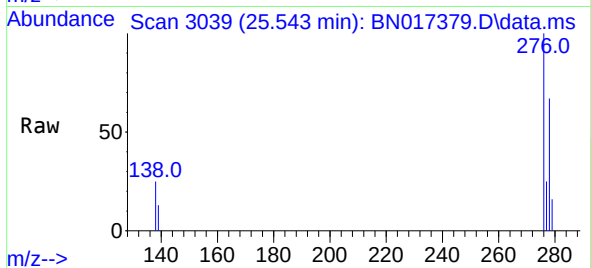




#36
Indeno(1,2,3-cd)pyrene
Concen: 1.880 ng
RT: 25.543 min Scan# 3039
Delta R.T. 0.000 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

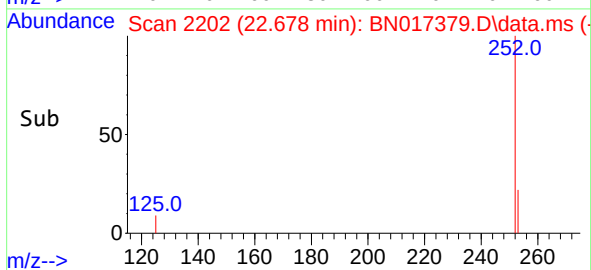
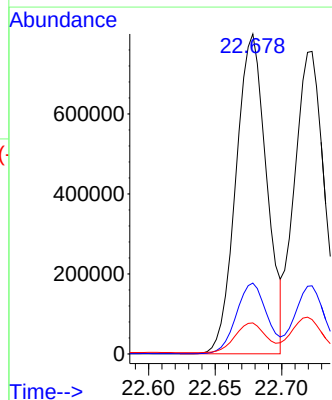
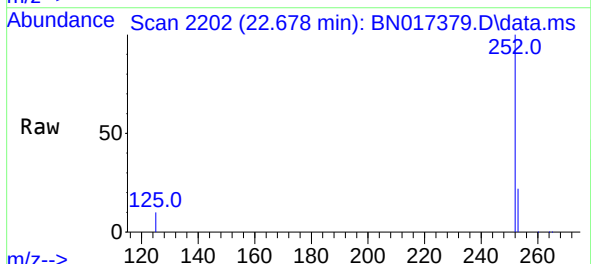
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

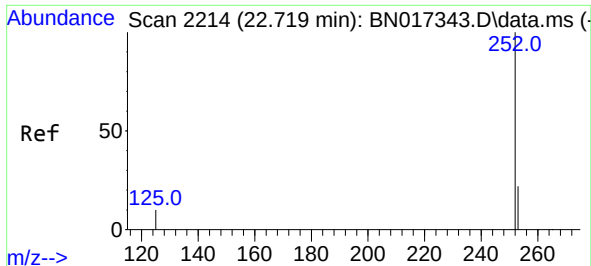
Tgt Ion:276 Resp: 681138
Ion Ratio Lower Upper
276 100
138 27.2 19.7 29.5
277 25.6 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 3.781 ng
RT: 22.678 min Scan# 2202
Delta R.T. 0.004 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

Tgt Ion:252 Resp: 1279311
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 9.7 7.8 11.8

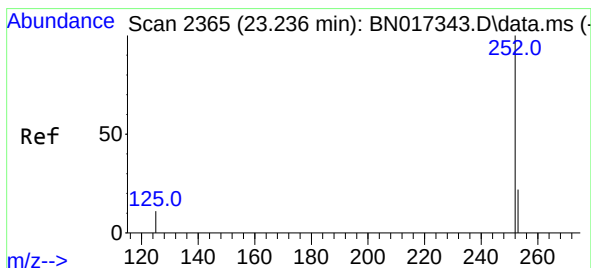
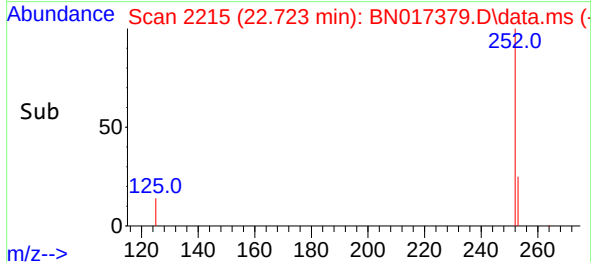
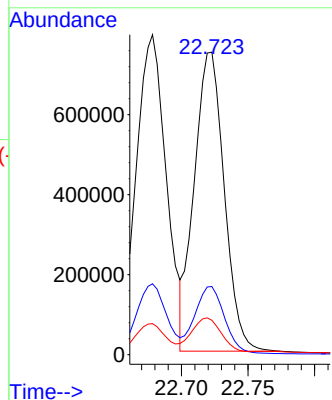
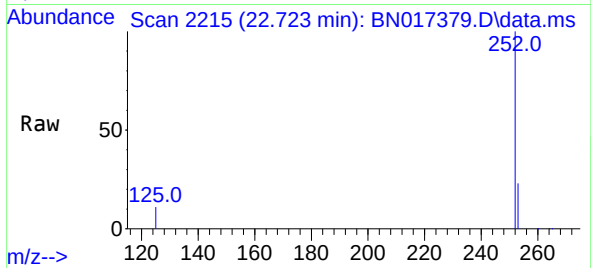




#38
Benzo(k)fluoranthene
Concen: 3.451 ng
RT: 22.723 min Scan# 211
Delta R.T. 0.004 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

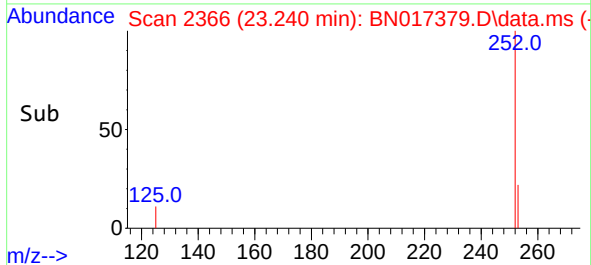
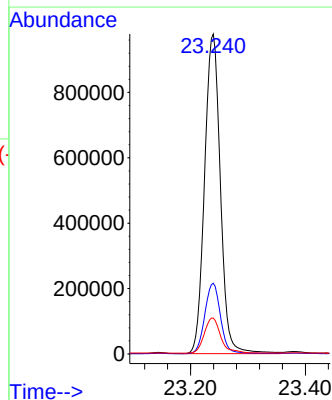
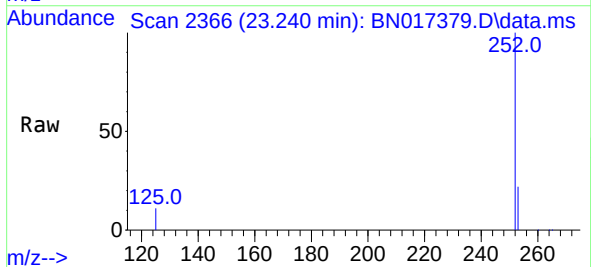
Instrument :
BNA_N
ClientSampleId :
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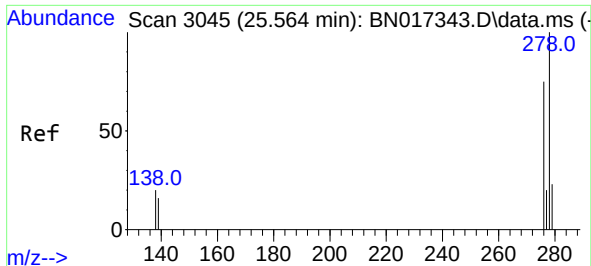
Tgt Ion:252 Resp: 1167901
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 11.4 8.2 12.2



#39
Benzo(a)pyrene
Concen: 6.248 ng
RT: 23.240 min Scan# 2366
Delta R.T. 0.004 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

Tgt Ion:252 Resp: 1871109
Ion Ratio Lower Upper
252 100
253 22.1 17.9 26.9
125 11.2 9.2 13.8

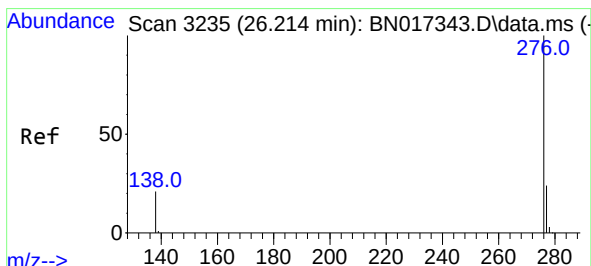
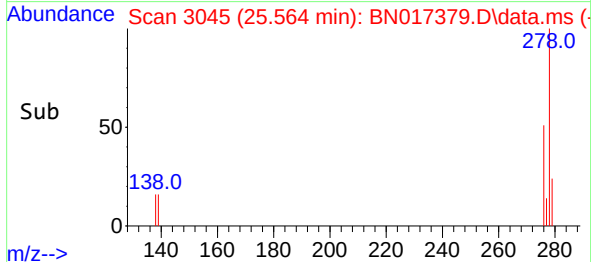
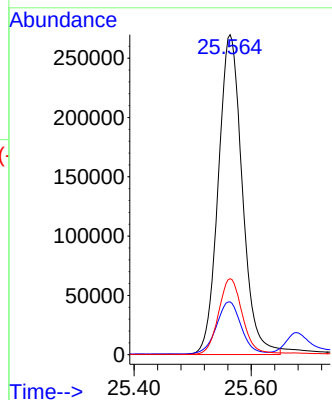
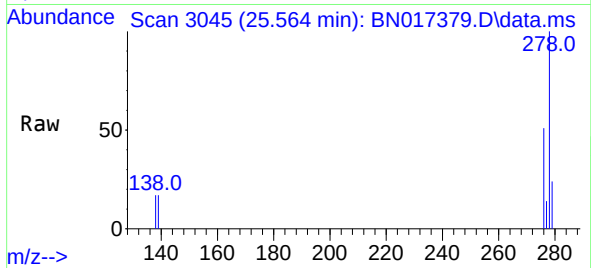




#40
Dibenzo(a,h)anthracene
Concen: 2.629 ng
RT: 25.564 min Scan# 3045
Delta R.T. 0.000 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:278 Resp: 766132
Ion Ratio Lower Upper
278 100
139 16.5 13.0 19.6
279 23.7 19.2 28.8



#41
Benzo(g,h,i)perylene
Concen: 1.431 ng
RT: 26.218 min Scan# 3236
Delta R.T. 0.000 min
Lab File: BN017379.D
Acq: 10 Nov 2021 10:42

Tgt Ion:276 Resp: 449622
Ion Ratio Lower Upper
276 100
277 23.7 19.0 28.4
138 21.7 17.1 25.7

