

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111621\
 Data File : BN017476.D
 Acq On : 16 Nov 2021 17:30
 Operator : CG/JU
 Sample : M4386-12DL 50X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILD

Quant Time: Nov 17 00:23:34 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN111621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 16 14:06:59 2021
 Response via : Initial Calibration

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

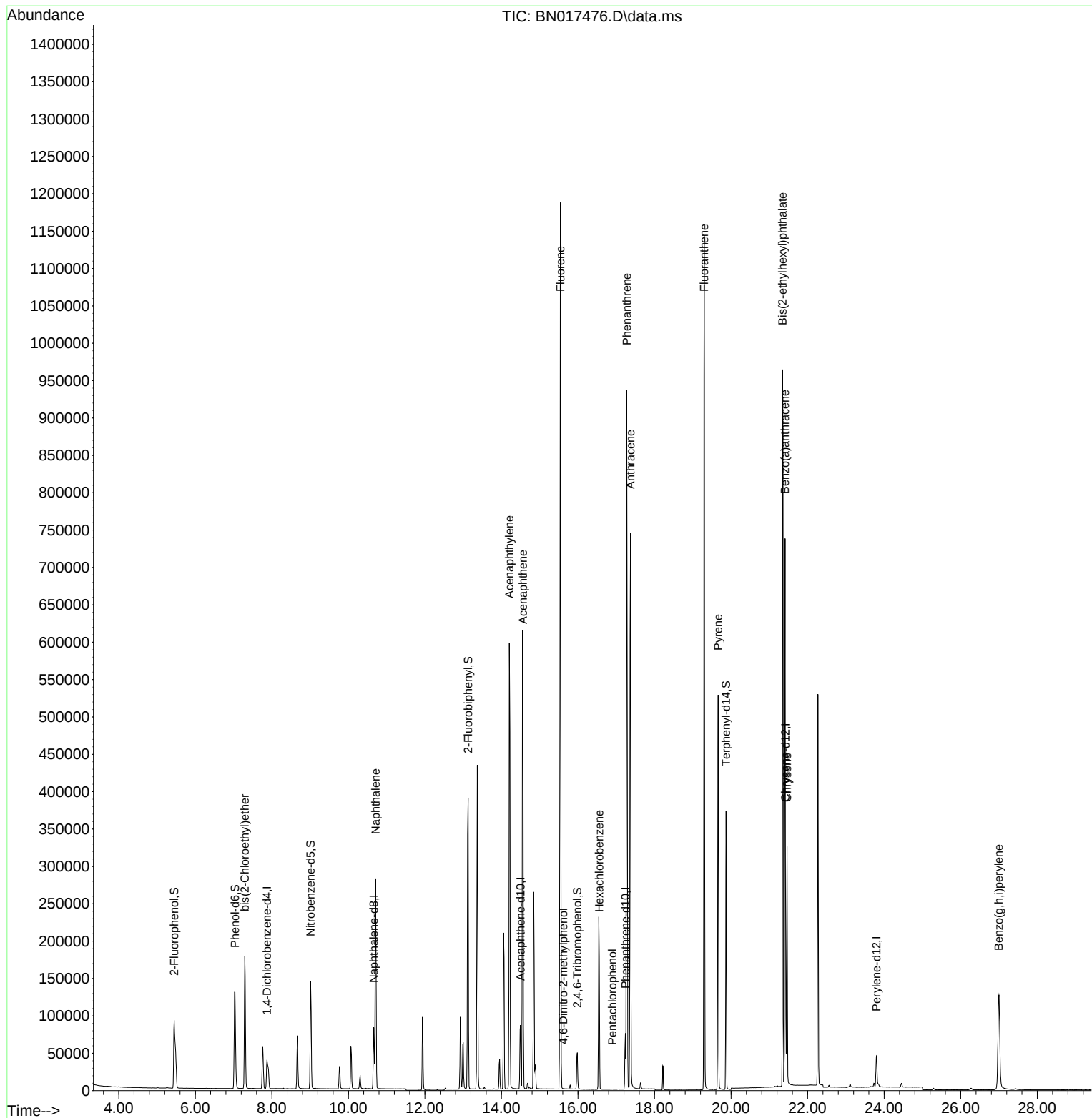
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.874	152	23754	0.400	ng	0.00
7) Naphthalene-d8	10.661	136	109244	0.400	ng	# 0.00
13) Acenaphthene-d10	14.498	164	57078	0.400	ng	0.00
19) Phenanthrene-d10	17.238	188	101862	0.400	ng	0.00
29) Chrysene-d12	21.420	240	81430	0.400	ng	# 0.00
35) Perylene-d12	23.800	264	62918	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.449	112	147507	2.609	ng	0.00
5) Phenol-d6	7.035	99	161368	2.652	ng	0.00
8) Nitrobenzene-d5	9.014	82	122971	1.816	ng	0.00
11) 2-Methylnaphthalene-d10	12.400	152	9	0.000	ng	0.15
14) 2,4,6-Tribromophenol	15.983	330	40524	2.795	ng	0.00
15) 2-Fluorobiphenyl	13.128	172	375724	1.745	ng	0.00
27) Fluoranthene-d10	19.263	212	54	0.000	ng	0.00
31) Terphenyl-d14	19.868	244	355956	1.780	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.293	93	159712	2.450	ng	96
9) Naphthalene	10.712	128	361579	1.317	ng	100
16) Acenaphthylene	14.206	152	700285	3.293	ng	100
17) Acenaphthene	14.562	154	354473	2.298	ng	97
18) Fluorene	15.539	166	322633	1.820	ng	100
20) 4,6-Dinitro-2-methylph...	15.615	198	18	0.094	ng	# 1
22) Hexachlorobenzene	16.556	284	187263	2.872	ng	99
24) Pentachlorophenol	16.897	266	68	0.093	ng	# 70
25) Phenanthrene	17.274	178	940612	3.360	ng	100
26) Anthracene	17.372	178	844178	3.635	ng	100
28) Fluoranthene	19.297	202	987499	3.288	ng	99
30) Pyrene	19.660	202	481205	1.645	ng	100
32) Benzo(a)anthracene	21.409	228	600235	2.381	ng	100
33) Chrysene	21.462	228	257028	0.991	ng	100
34) Bis(2-ethylhexyl)phtha...	21.345	149	952577	7.229	ng	97
41) Benzo(g,h,i)perylene	26.997	276	305794	2.239	ng	100

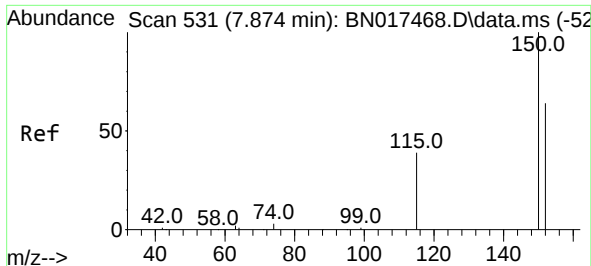
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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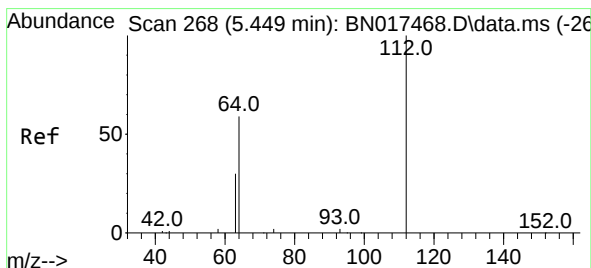
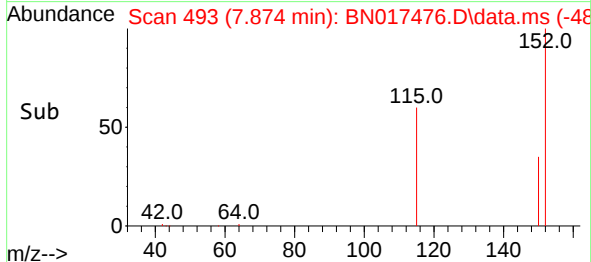
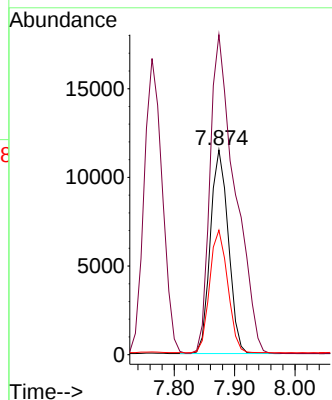
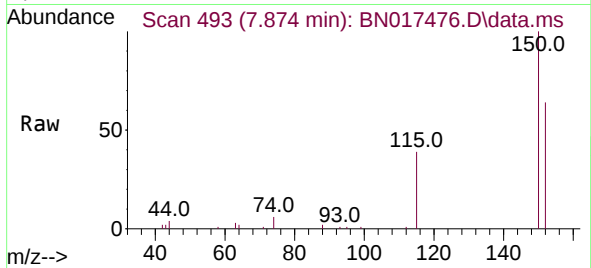




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.874 min Scan# 493
 Delta R.T. -0.000 min
 Lab File: BN017476.D
 Acq: 16 Nov 2021 17:30

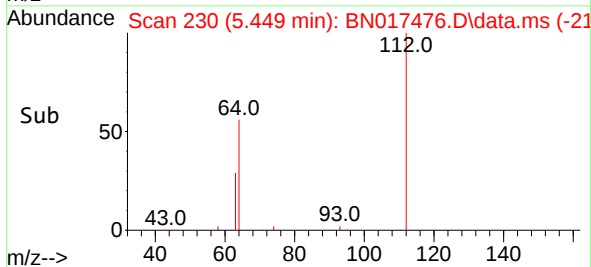
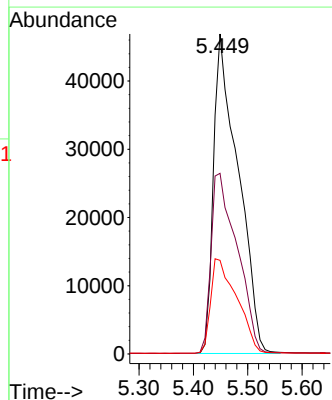
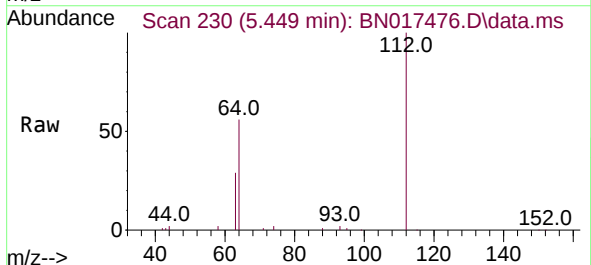
Instrument :
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 PT-BNA-SOILD

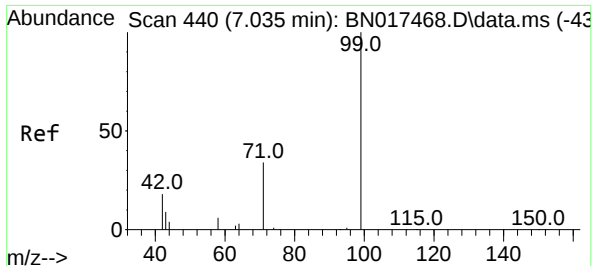
Tgt Ion:152 Resp: 23754
 Ion Ratio Lower Upper
 152 100
 150 156.3 123.0 184.4
 115 60.8 45.6 68.4



#4
 2-Fluorophenol
 Concen: 2.609 ng
 RT: 5.449 min Scan# 230
 Delta R.T. -0.000 min
 Lab File: BN017476.D
 Acq: 16 Nov 2021 17:30

Tgt Ion:112 Resp: 147507
 Ion Ratio Lower Upper
 112 100
 64 59.8 47.6 71.4
 63 31.3 24.6 37.0

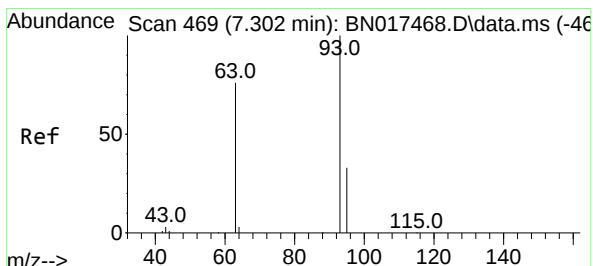
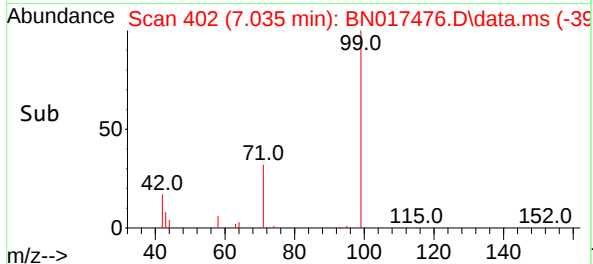
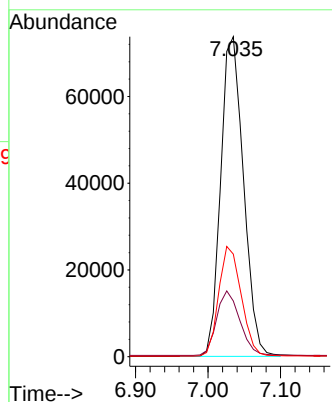
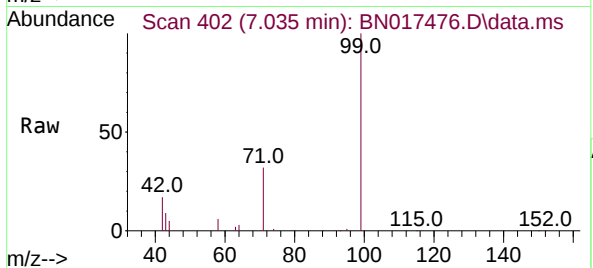




#5
Phenol-d6
Concen: 2.652 ng
RT: 7.035 min Scan# 40
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

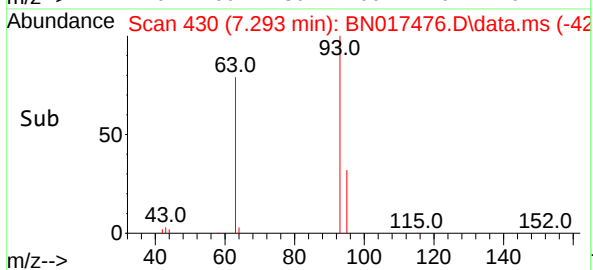
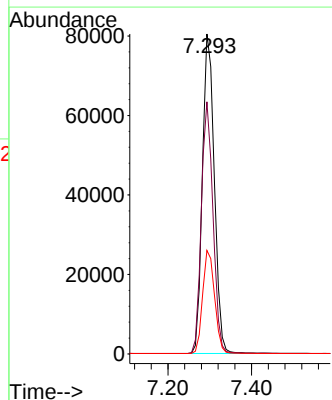
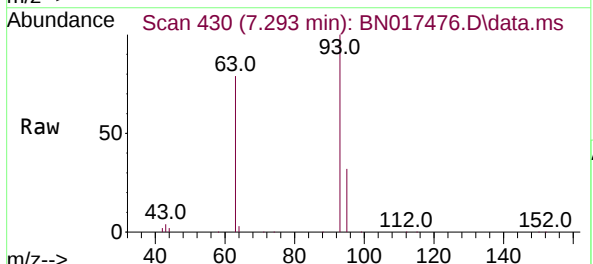
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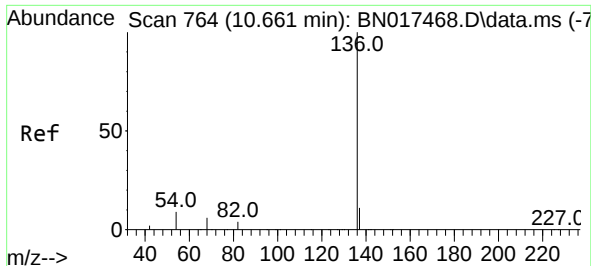
Tgt Ion: 99 Resp: 161368
Ion Ratio Lower Upper
99 100
42 20.5 17.0 25.6
71 34.0 24.8 37.2



#6
bis(2-Chloroethyl)ether
Concen: 2.450 ng
RT: 7.293 min Scan# 430
Delta R.T. -0.009 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

Tgt Ion: 93 Resp: 159712
Ion Ratio Lower Upper
93 100
63 77.2 65.8 98.6
95 32.5 26.6 39.8

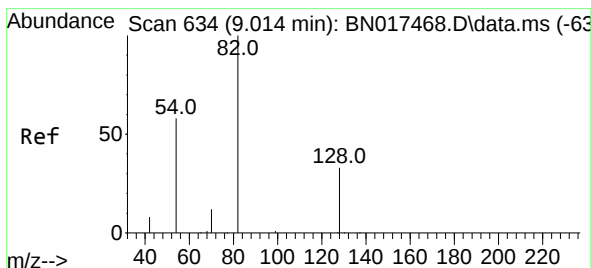
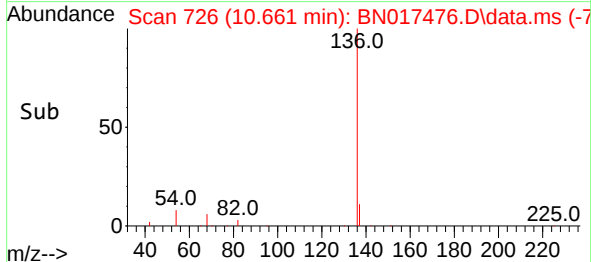
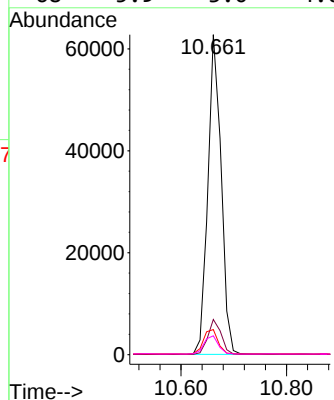
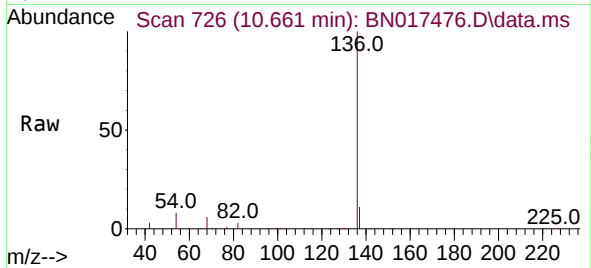




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.661 min Scan# 764
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

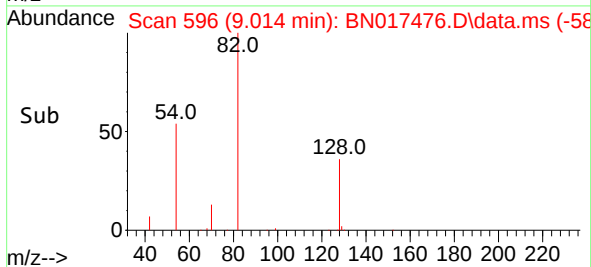
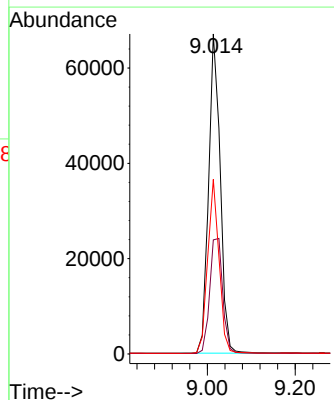
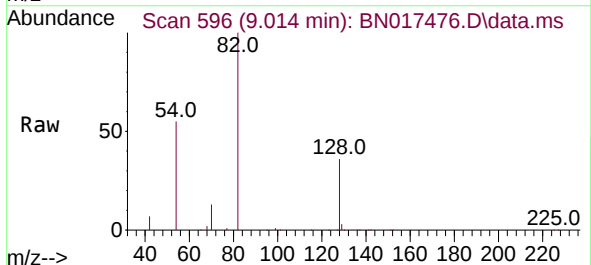
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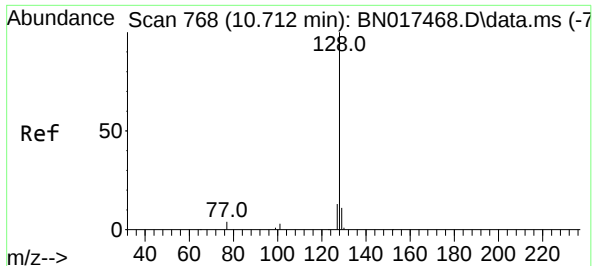
Tgt Ion:136 Resp: 109244
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.8 4.0 6.0#
68 5.9 3.0 4.6#



#8
Nitrobenzene-d5
Concen: 1.816 ng
RT: 9.014 min Scan# 596
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

Tgt Ion: 82 Resp: 122971
Ion Ratio Lower Upper
82 100
128 35.6 27.7 41.5
54 54.5 49.2 73.8

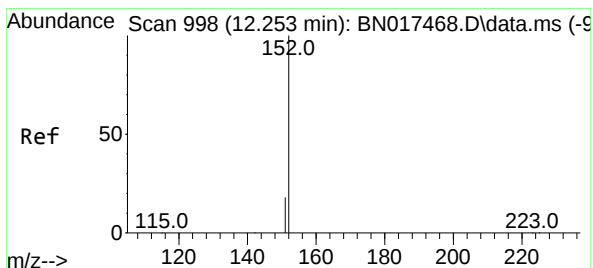
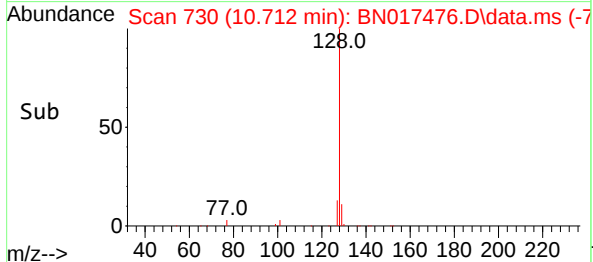
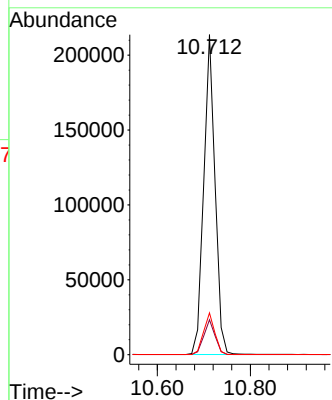
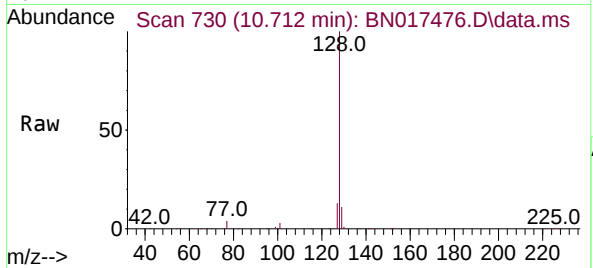




#9
Naphthalene
Concen: 1.317 ng
RT: 10.712 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

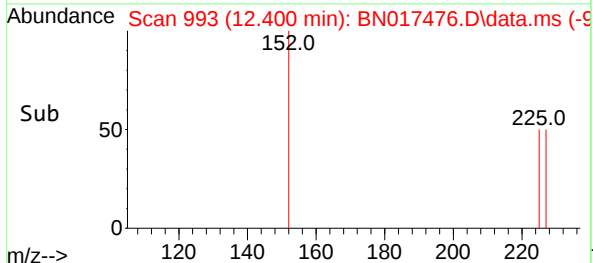
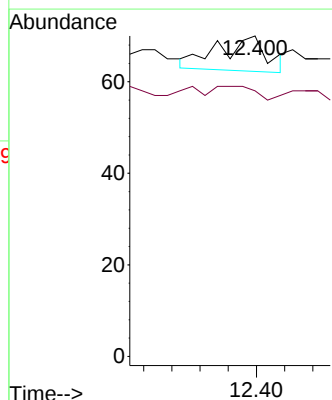
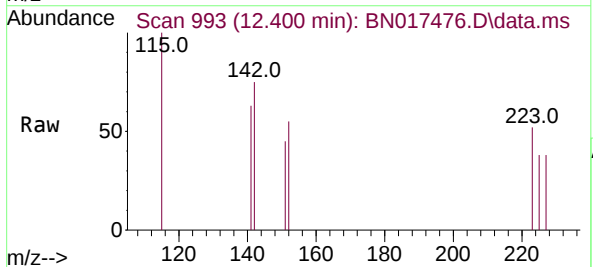
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ClientSampleId :
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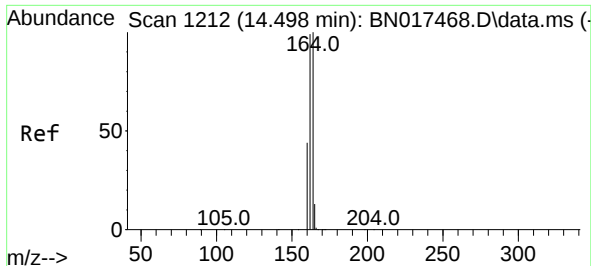
Tgt Ion:128 Resp: 361579
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.1 10.6 15.8



#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 12.400 min Scan# 993
Delta R.T. 0.147 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

Tgt Ion:152 Resp: 9
Ion Ratio Lower Upper
152 100
151 22.2 16.2 24.4

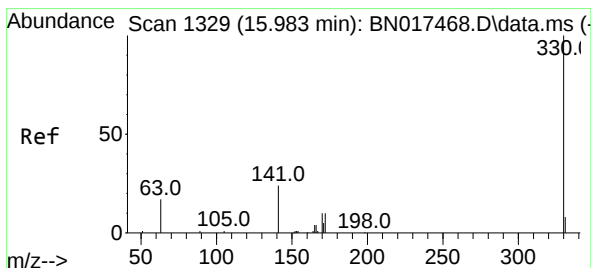
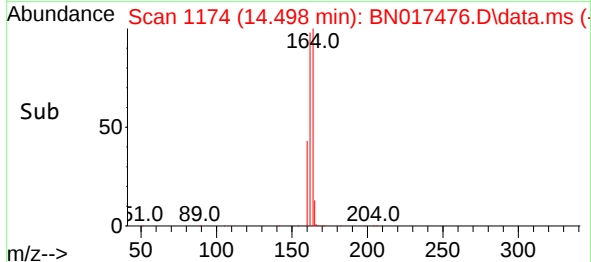
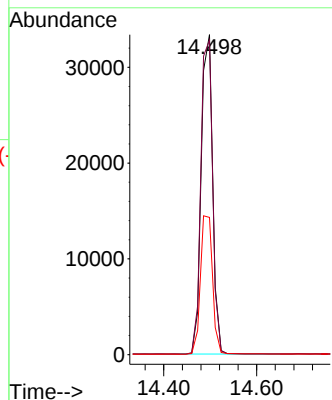
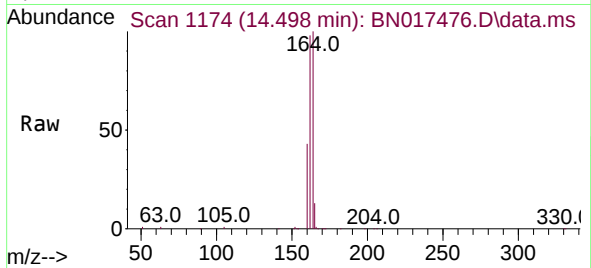




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.498 min Scan# 1174
Delta R.T. 0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

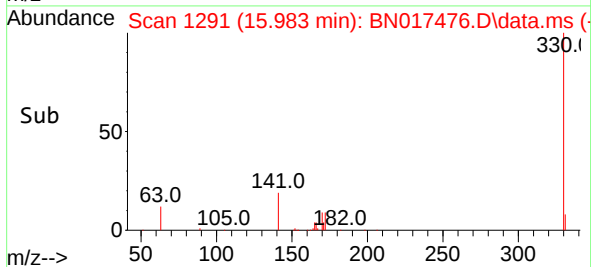
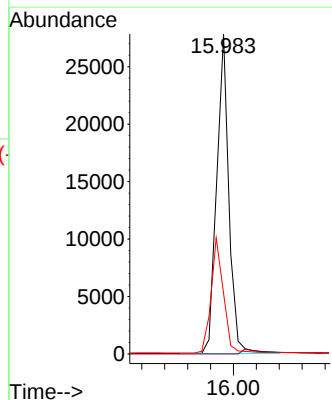
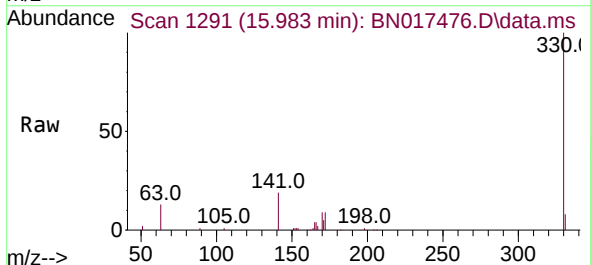
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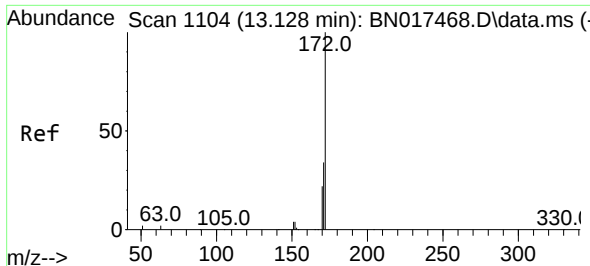
Tgt Ion:164 Resp: 57078
Ion Ratio Lower Upper
164 100
162 98.3 81.4 122.2
160 42.9 36.8 55.2



#14
2,4,6-Tribromophenol
Concen: 2.795 ng
RT: 15.983 min Scan# 1291
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

Tgt Ion:330 Resp: 40524
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 36.5 28.9 43.3

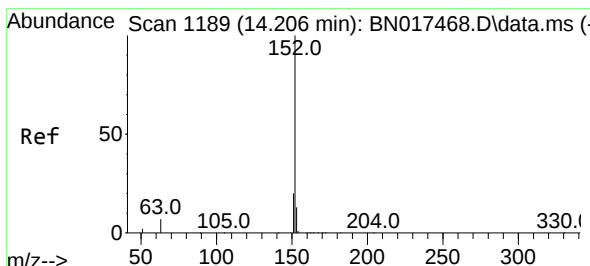
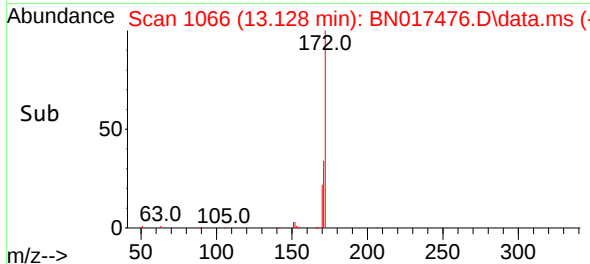
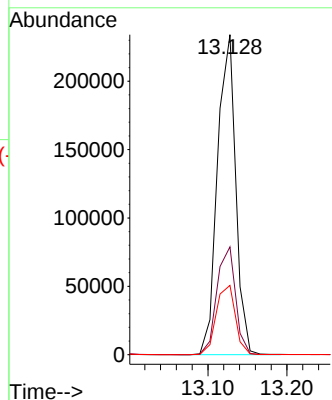
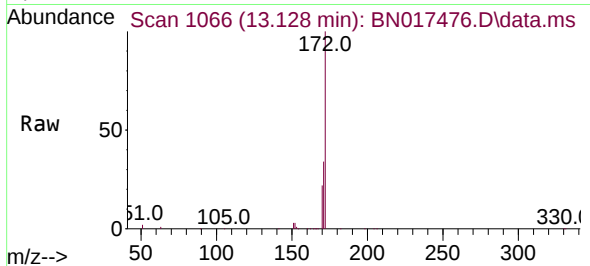




#15
2-Fluorobiphenyl
Concen: 1.745 ng
RT: 13.128 min Scan# 1104
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

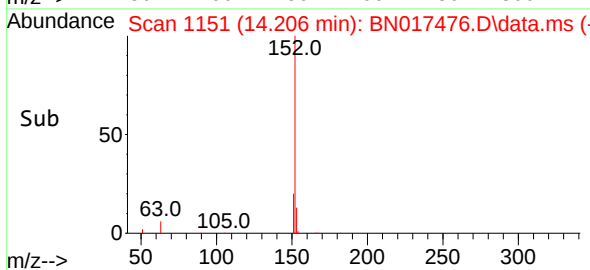
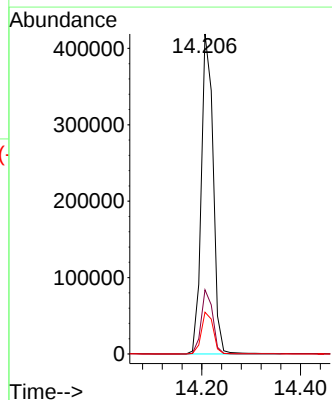
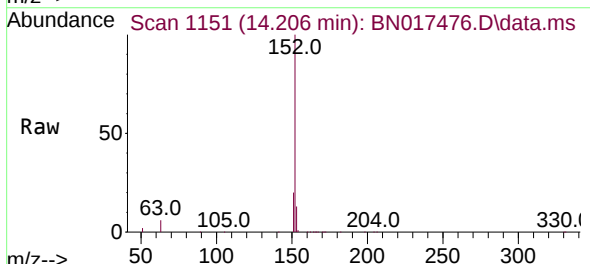
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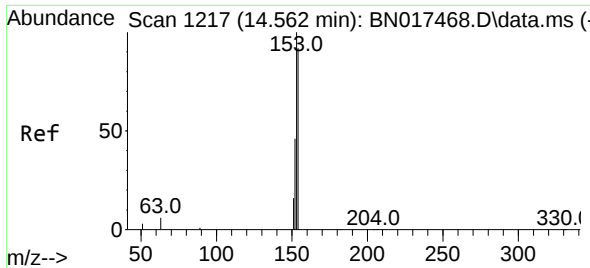
Tgt Ion:172 Resp: 375724
Ion Ratio Lower Upper
172 100
171 33.7 28.7 43.1
170 21.6 19.4 29.2



#16
Acenaphthylene
Concen: 3.293 ng
RT: 14.206 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

Tgt Ion:152 Resp: 700285
Ion Ratio Lower Upper
152 100
151 19.6 15.5 23.3
153 13.1 10.4 15.6

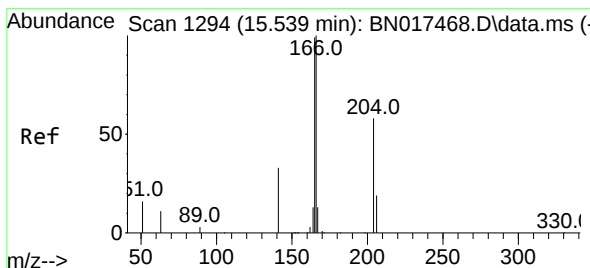
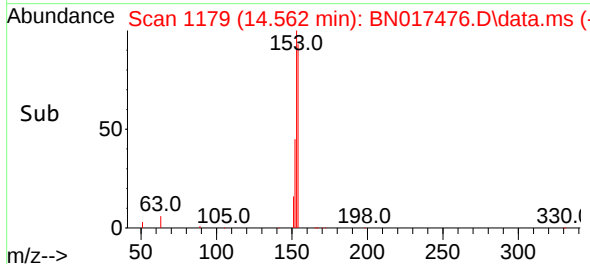
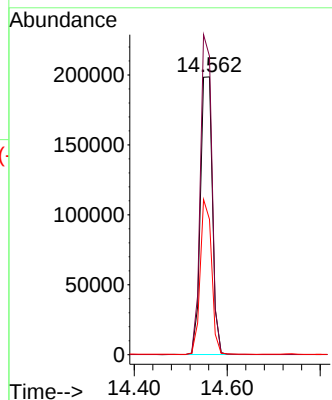
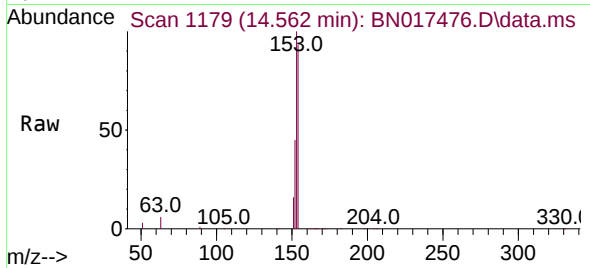




#17
Acenaphthene
Concen: 2.298 ng
RT: 14.562 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

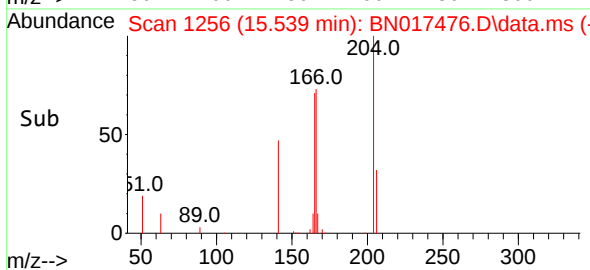
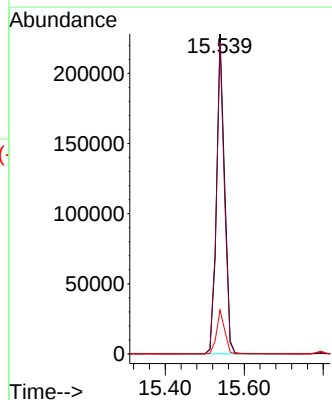
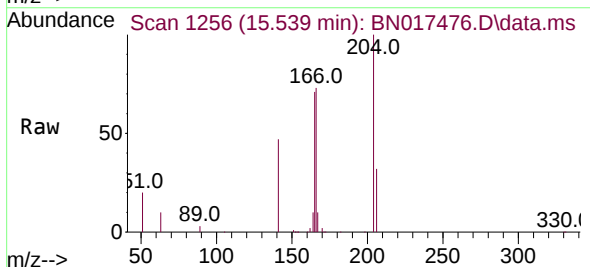
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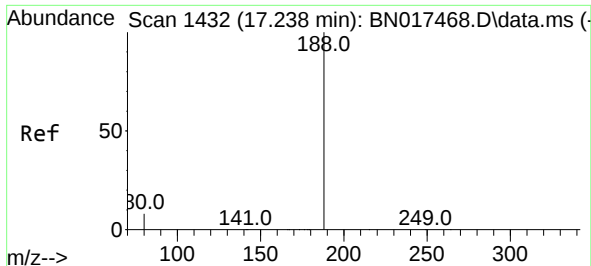
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Ion Ratio Lower Upper
154 100
153 111.8 91.2 136.8
152 52.8 44.3 66.5



#18
Fluorene
Concen: 1.820 ng
RT: 15.539 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

Tgt Ion:166 Resp: 322633
Ion Ratio Lower Upper
166 100
165 97.3 77.9 116.9
167 13.8 10.9 16.3

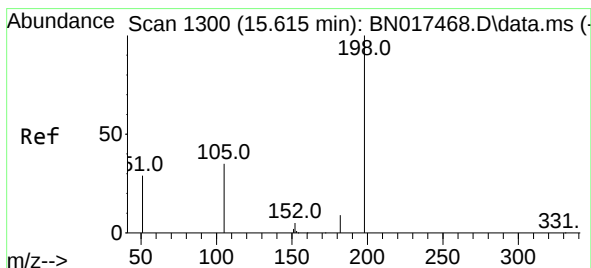
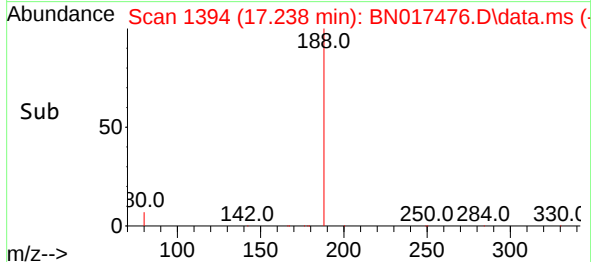
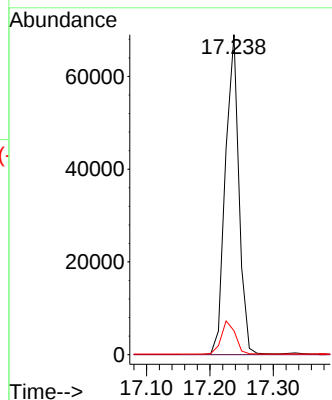
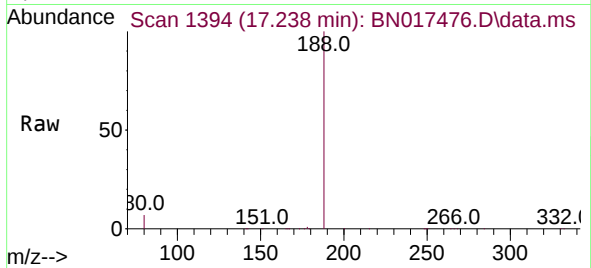




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.238 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

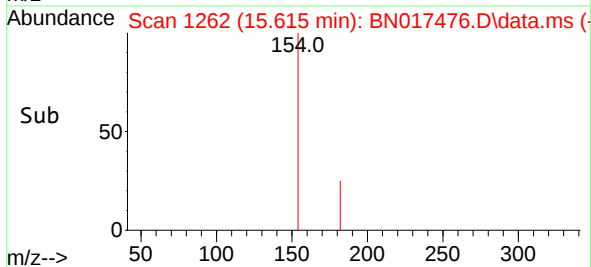
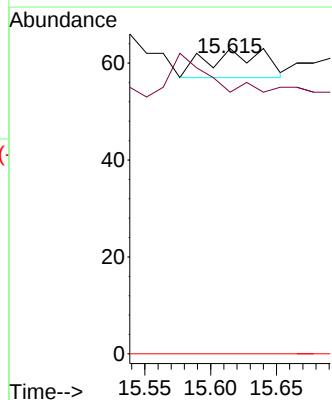
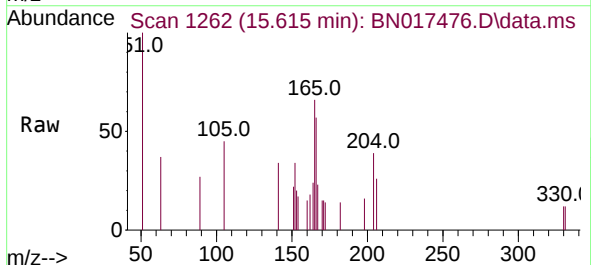
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

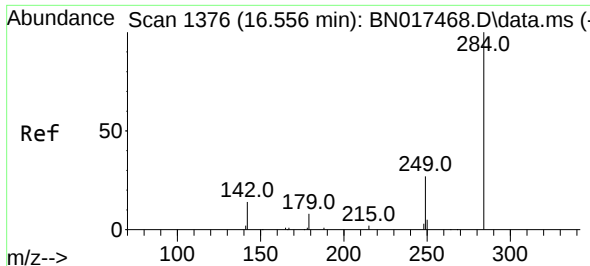
Tgt Ion:188 Resp: 101862
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.5 6.1 9.1



#20
4,6-Dinitro-2-methylphenol
Concen: 0.094 ng
RT: 15.615 min Scan# 1262
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

Tgt Ion:198 Resp: 18
Ion Ratio Lower Upper
198 100
182 85.7 11.4 17.2#
77 0.0 0.0 0.0

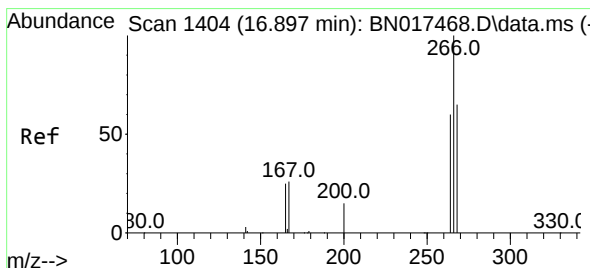
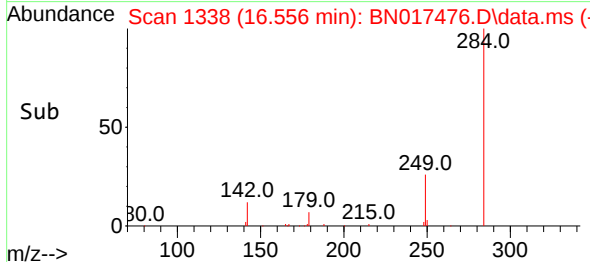
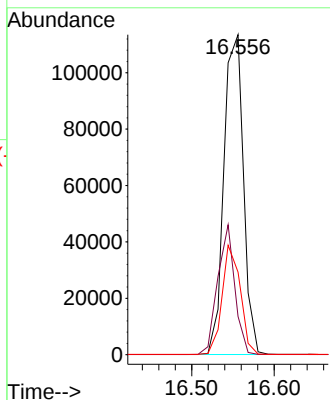
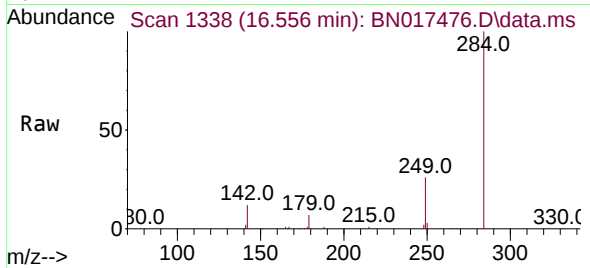




#22
Hexachlorobenzene
Concen: 2.872 ng
RT: 16.556 min Scan# 1376
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

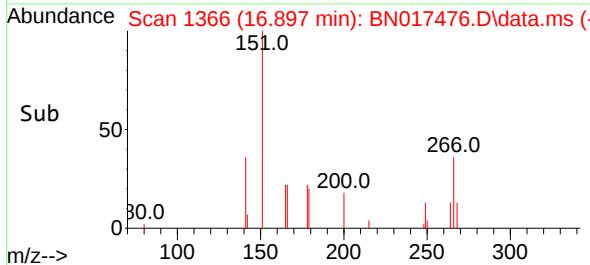
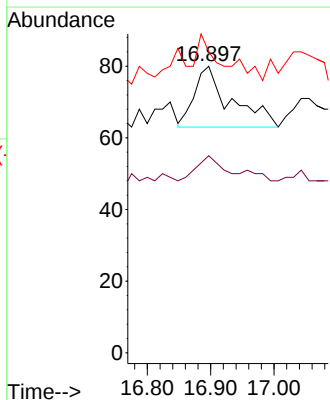
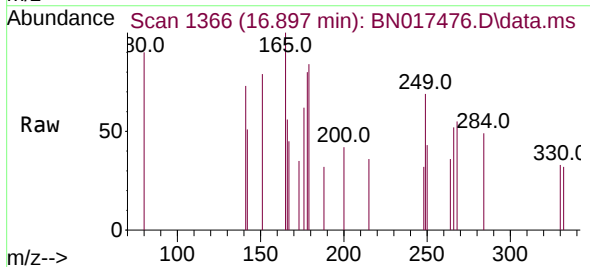
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

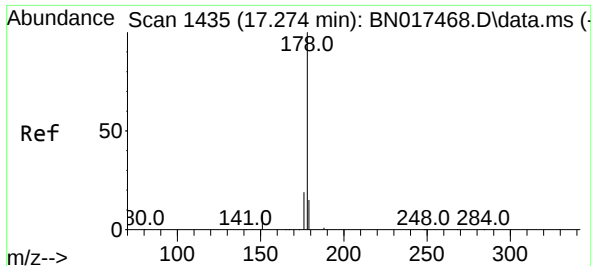
Tgt Ion:284 Resp: 187263
Ion Ratio Lower Upper
284 100
142 35.4 28.2 42.2
249 31.7 24.4 36.6



#24
Pentachlorophenol
Concen: 0.093 ng
RT: 16.897 min Scan# 1366
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

Tgt Ion:266 Resp: 68
Ion Ratio Lower Upper
266 100
264 29.4 49.8 74.8#
268 50.0 51.3 76.9#

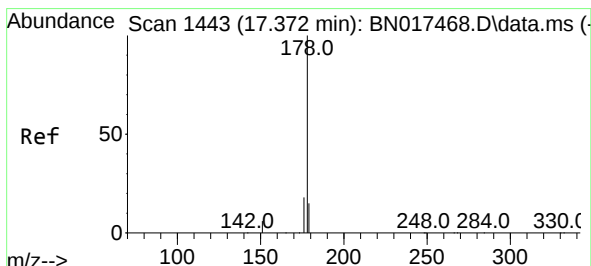
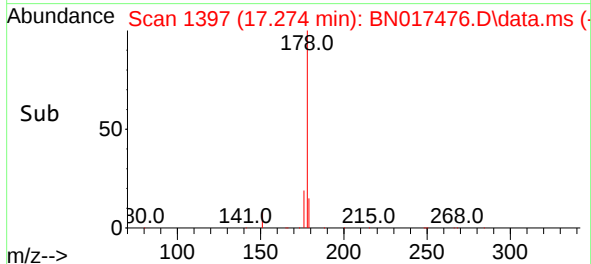
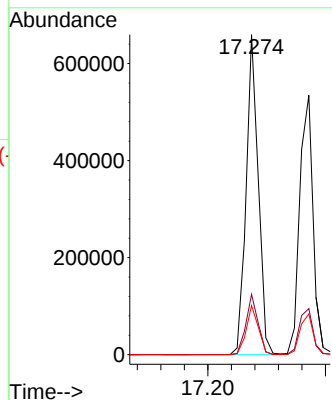
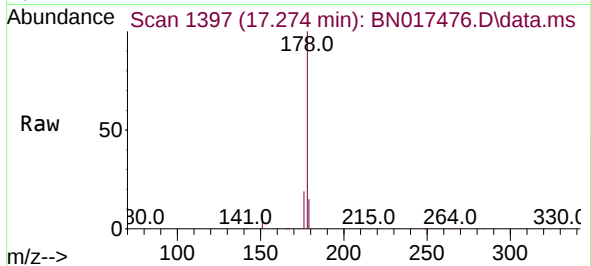




#25
Phenanthrene
Concen: 3.360 ng
RT: 17.274 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

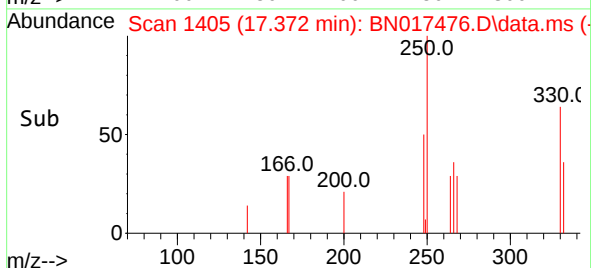
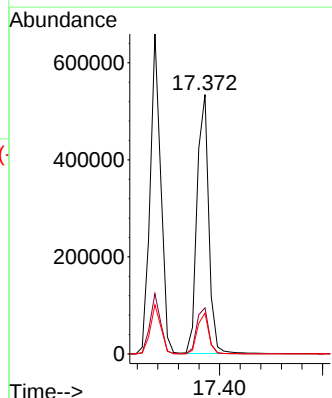
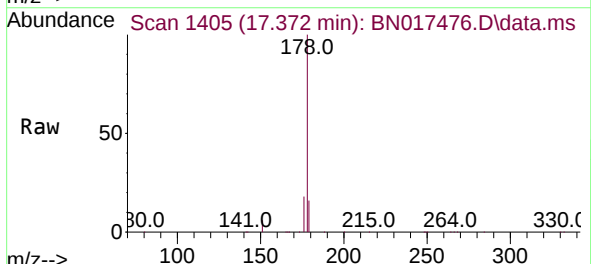
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

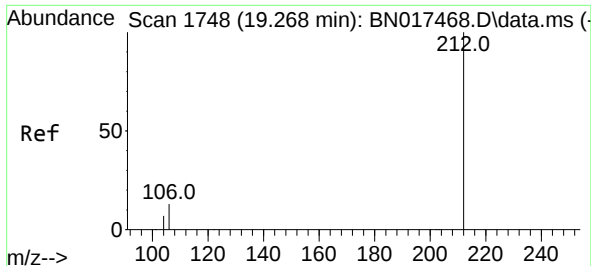
Tgt Ion:178 Resp: 940612
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.3 12.3 18.5



#26
Anthracene
Concen: 3.635 ng
RT: 17.372 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

Tgt Ion:178 Resp: 844178
Ion Ratio Lower Upper
178 100
176 18.2 14.6 22.0
179 15.4 12.2 18.4

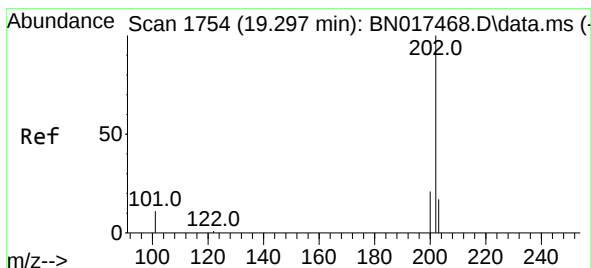
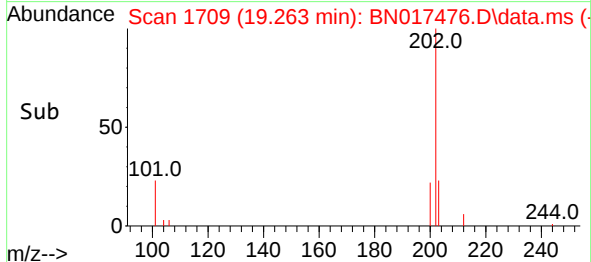
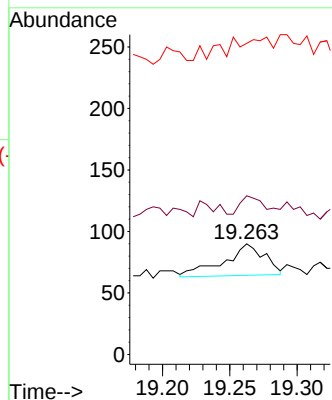
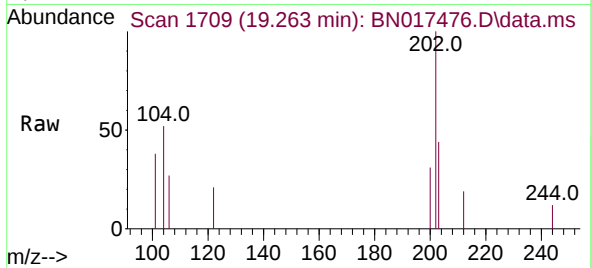




#27
Fluoranthene-d10
Concen: 0.000 ng
RT: 19.263 min Scan# 1715
Delta R.T. -0.005 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

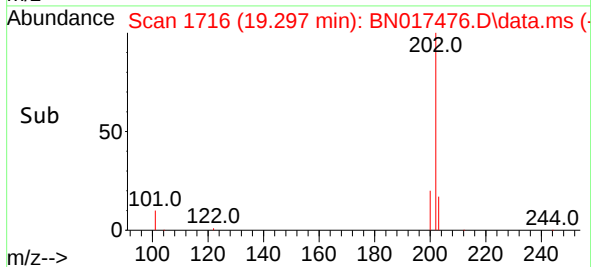
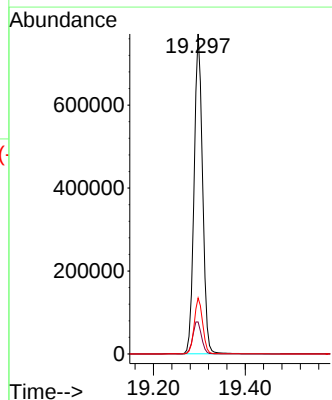
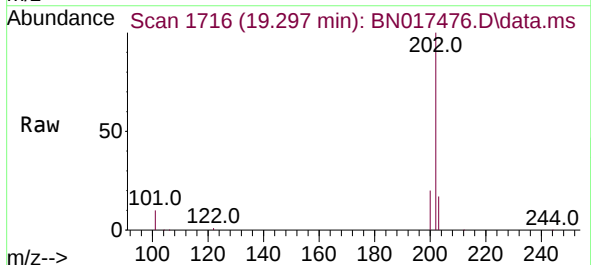
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

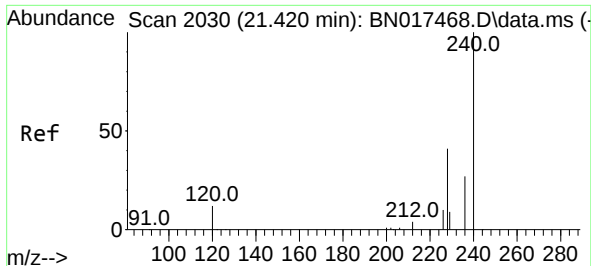
Tgt Ion:212 Resp: 54
Ion Ratio Lower Upper
212 100
106 37.0 10.5 15.7#
104 38.9 5.8 8.6#



#28
Fluoranthene
Concen: 3.288 ng
RT: 19.297 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

Tgt Ion:202 Resp: 987499
Ion Ratio Lower Upper
202 100
101 10.4 8.9 13.3
203 17.4 13.8 20.6

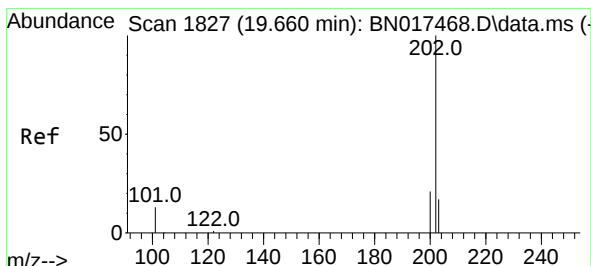
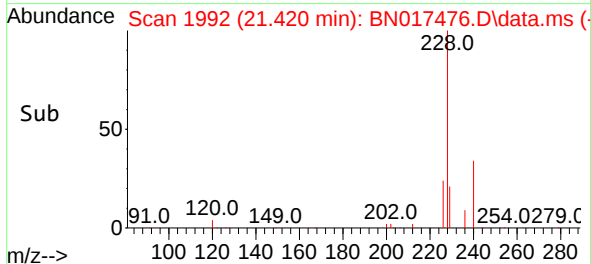
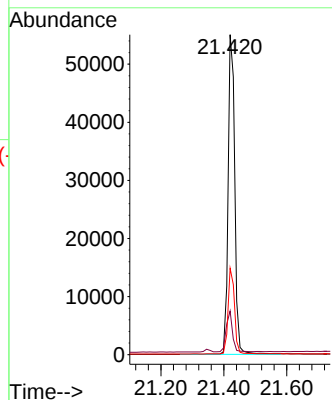
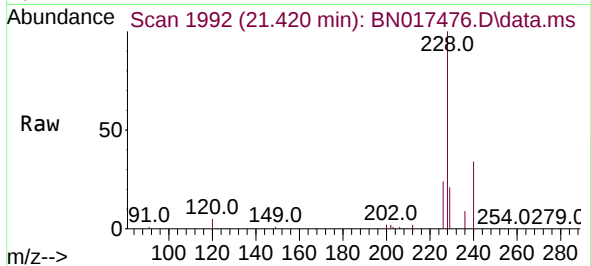




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.420 min Scan# 1992
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

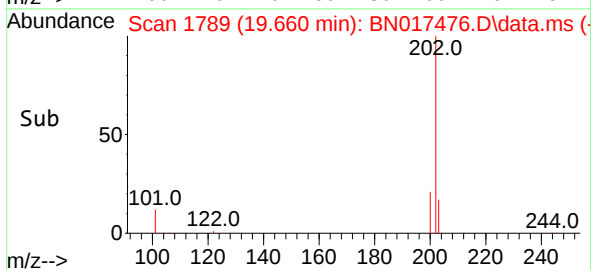
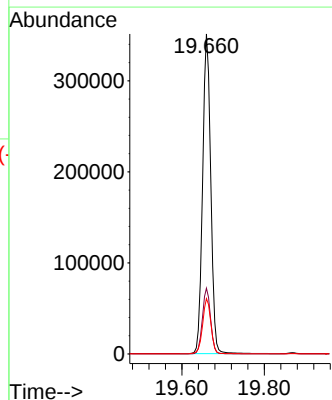
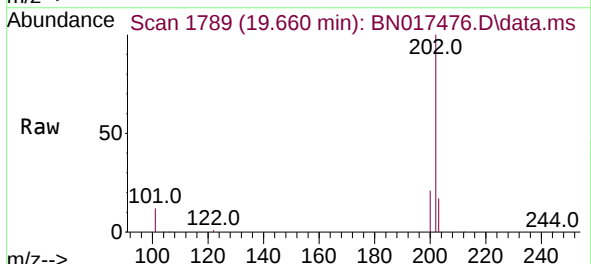
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

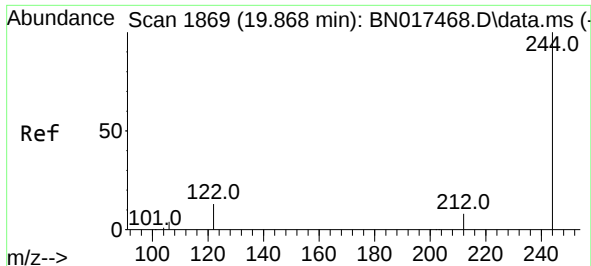
Tgt Ion:240 Resp: 81430
Ion Ratio Lower Upper
240 100
120 13.6 4.2 6.2#
236 27.0 20.0 30.0



#30
Pyrene
Concen: 1.645 ng
RT: 19.660 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

Tgt Ion:202 Resp: 481205
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 17.6 14.0 21.0

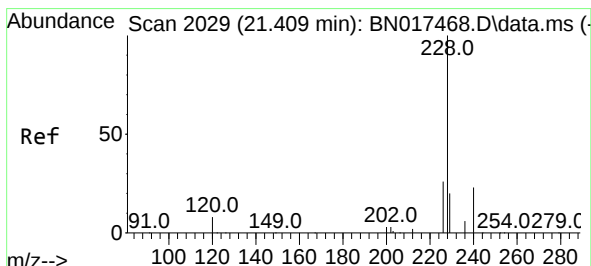
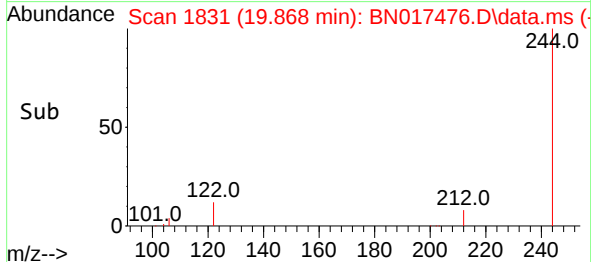
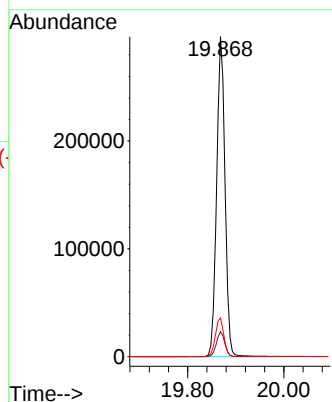
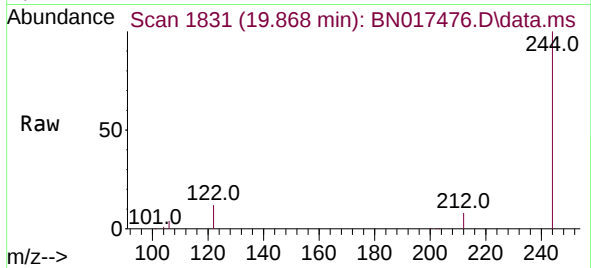




#31
 Terphenyl-d14
 Concen: 1.780 ng
 RT: 19.868 min Scan# 1869
 Delta R.T. -0.000 min
 Lab File: BN017476.D
 Acq: 16 Nov 2021 17:30

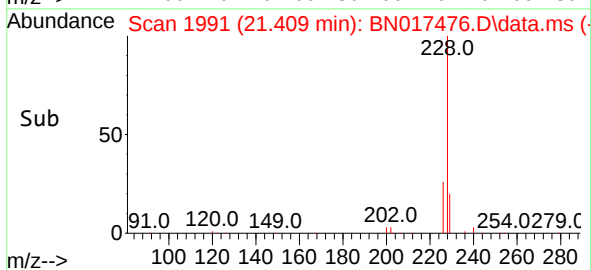
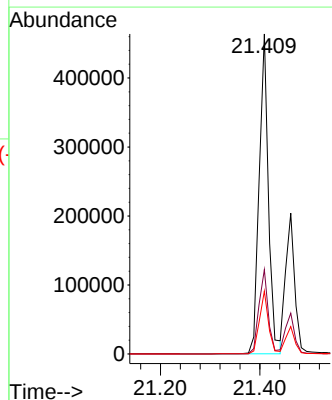
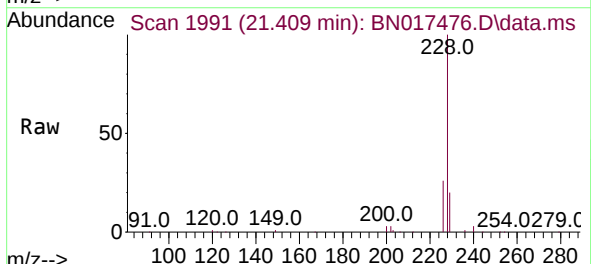
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILD

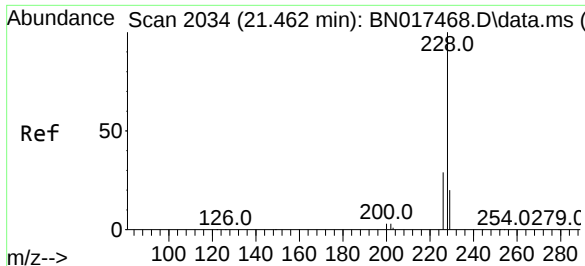
Tgt Ion:244 Resp: 355956
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.7 8.5
 122 12.1 8.6 13.0



#32
 Benzo(a)anthracene
 Concen: 2.381 ng
 RT: 21.409 min Scan# 1991
 Delta R.T. -0.000 min
 Lab File: BN017476.D
 Acq: 16 Nov 2021 17:30

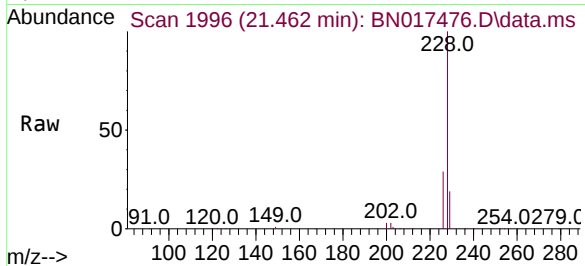
Tgt Ion:228 Resp: 600235
 Ion Ratio Lower Upper
 228 100
 226 26.4 21.3 31.9
 229 19.6 15.7 23.5



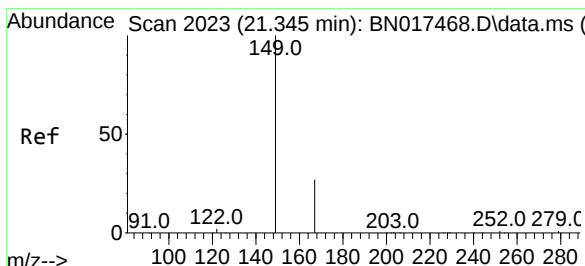
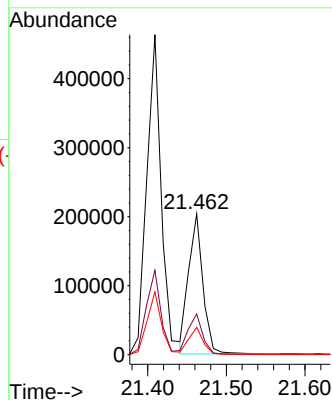
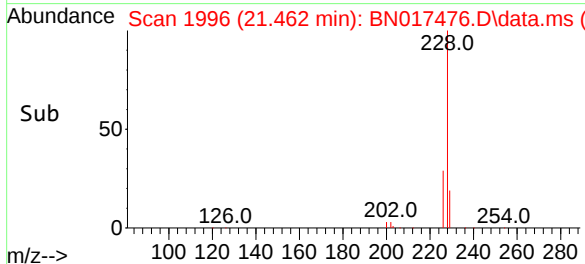


#33
Chrysene
Concen: 0.991 ng
RT: 21.462 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

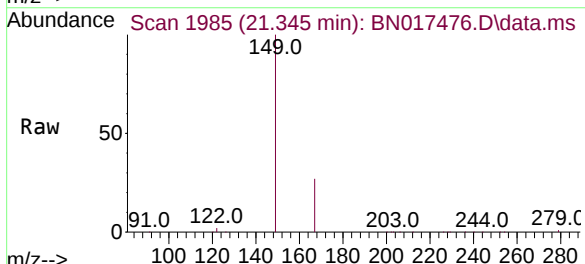
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD



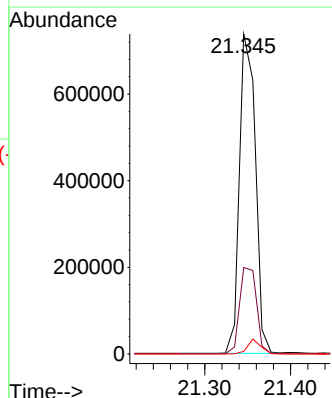
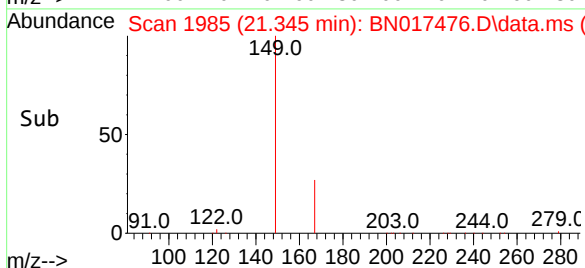
Tgt Ion:228 Resp: 257028
Ion Ratio Lower Upper
228 100
226 29.0 23.3 34.9
229 19.5 15.6 23.4

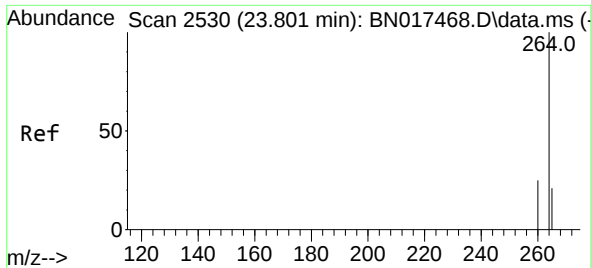


#34
Bis(2-ethylhexyl)phthalate
Concen: 7.229 ng
RT: 21.345 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30



Tgt Ion:149 Resp: 952577
Ion Ratio Lower Upper
149 100
167 28.6 21.8 32.6
279 3.8 3.4 5.0

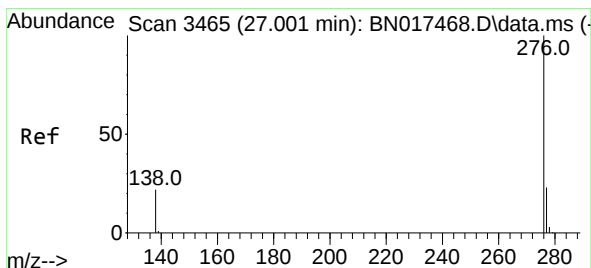
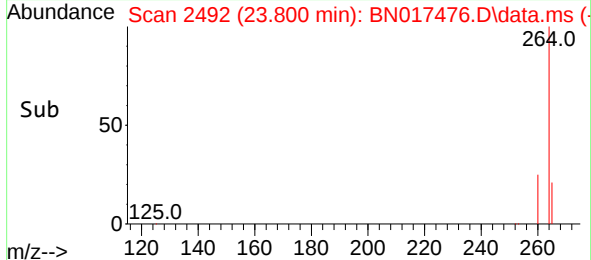
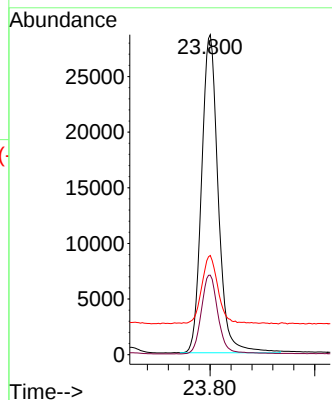
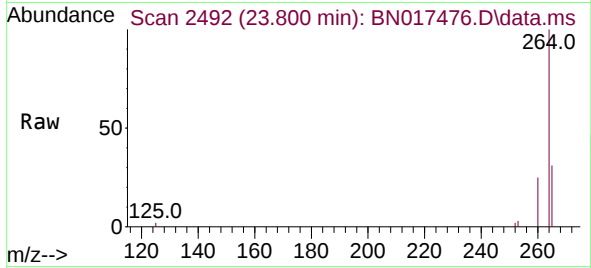




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.800 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

Tgt Ion:264 Resp: 62918
Ion Ratio Lower Upper
264 100
260 24.8 19.4 29.2
265 31.0 18.6 28.0#



#41
Benzo(g,h,i)perylene
Concen: 2.239 ng
RT: 26.997 min Scan# 3426
Delta R.T. -0.004 min
Lab File: BN017476.D
Acq: 16 Nov 2021 17:30

Tgt Ion:276 Resp: 305794
Ion Ratio Lower Upper
276 100
277 23.7 19.0 28.4
138 21.8 17.1 25.7

