

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072421\
 Data File : BN015683.D
 Acq On : 24 Jul 2021 00:35
 Operator : CG/JU
 Sample : M3143-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 STOCK-PILE-1

Quant Time: Jul 24 01:54:01 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN072421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 23 14:45:01 2021
 Response via : Initial Calibration

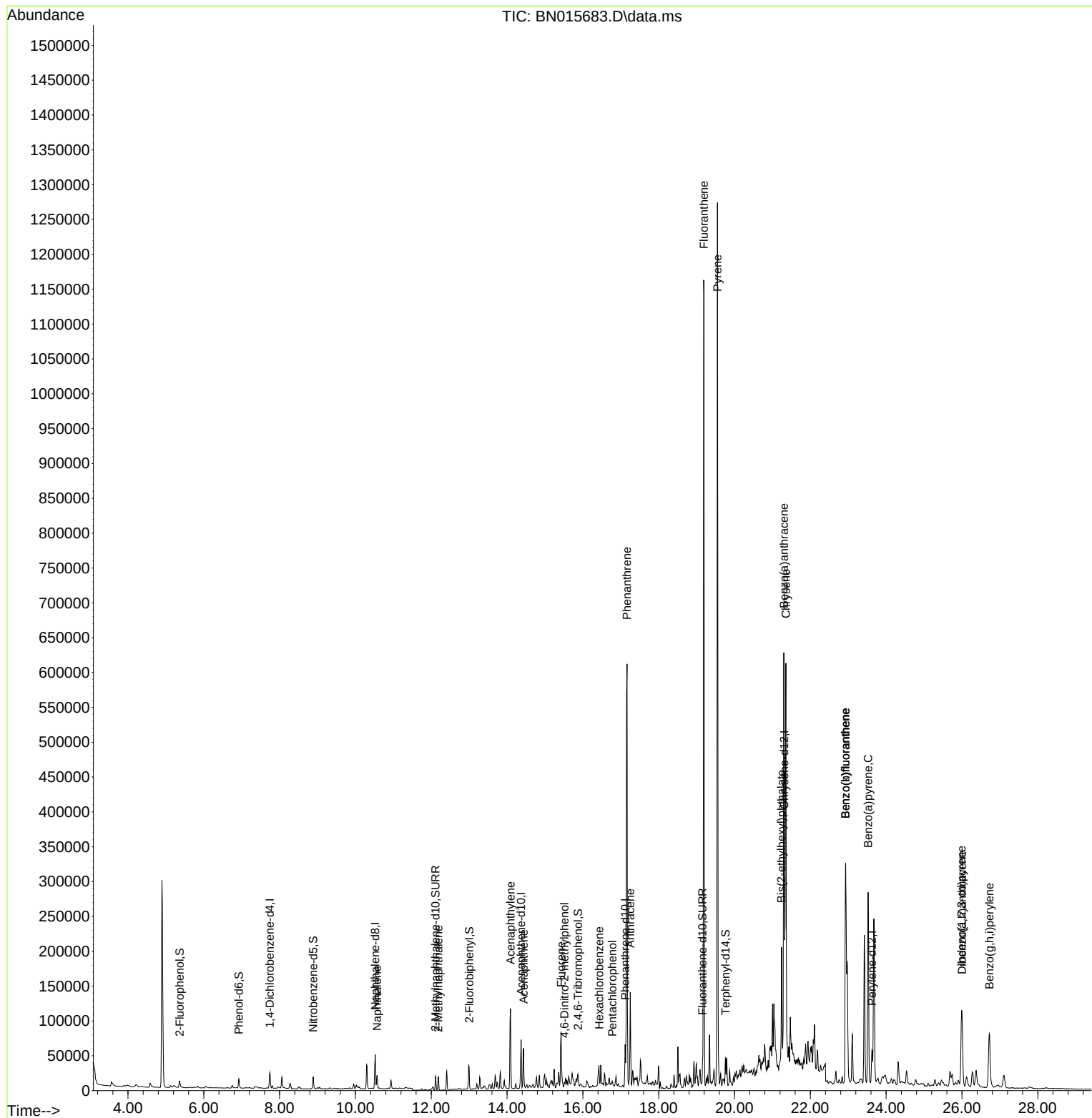
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.744	152	13128	0.40	ng	0.00
7) Naphthalene-d8	10.521	136	63853	0.40	ng	0.00
13) Acenaphthene-d10	14.370	164	38277	0.40	ng	0.00
19) Phenanthrene-d10	17.115	188	75830	0.40	ng	0.00
29) Chrysene-d12	21.312	240	67161	0.40	ng	0.00
35) Perylene-d12	23.625	264	63000	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.365	112	10616	0.34	ng	0.02
5) Phenol-d6	6.923	99	12533	0.34	ng	0.00
8) Nitrobenzene-d5	8.886	82	14623	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.114	152	25894	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.867	330	5574	0.47	ng	0.00
15) 2-Fluorobiphenyl	13.000	172	33208	0.21	ng	0.00
27) Fluoranthene-d10	19.157	212	42009	0.21	ng	0.00
31) Terphenyl-d14	19.763	244	29488	0.18	ng	0.00
Target Compounds						
9) Naphthalene	10.572	128	24716	0.15	ng	Qvalue 98
12) 2-Methylnaphthalene	12.185	142	13625	0.12	ng	97
16) Acenaphthylene	14.091	152	131283	0.82	ng	98
17) Acenaphthene	14.434	154	28822	0.26	ng	99
18) Fluorene	15.423	166	56951	0.43	ng	# 90
20) 4,6-Dinitro-2-methylph...	15.512	198	59	0.20	ng	# 1
22) Hexachlorobenzene	16.433	284	3126	0.06	ng	98
24) Pentachlorophenol	16.774	266	180	0.16	ng	96
25) Phenanthrene	17.164	178	707828	3.09	ng	100
26) Anthracene	17.249	178	130071	0.68	ng	98
28) Fluoranthene	19.192	202	1048312	4.24	ng	99
30) Pyrene	19.549	202	1119770	4.64	ng	# 95
32) Benzo(a)anthracene	21.302	228	514923	2.45	ng	93
33) Chrysene	21.355	228	530845	2.28	ng	97
34) Bis(2-ethylhexyl)phtha...	21.238	149	144928	1.57	ng	99
36) Indeno(1,2,3-cd)pyrene	25.990	276	177982	0.78	ng	96
37) Benzo(b)fluoranthene	22.930	252	542711	2.29	ng	97
38) Benzo(k)fluoranthene	22.930	252	542711	2.29	ng	97
39) Benzo(a)pyrene	23.526	252	395641	2.06	ng	99
40) Dibenzo(a,h)anthracene	26.004	278	49664	0.28	ng	# 85
41) Benzo(g,h,i)perylene	26.723	276	167964	0.80	ng	99

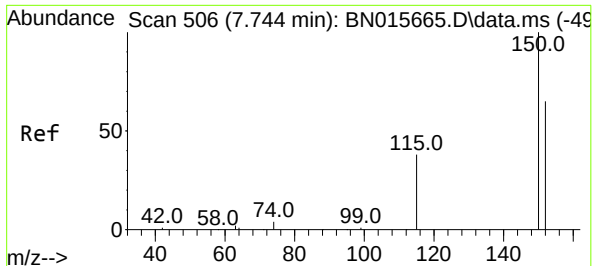
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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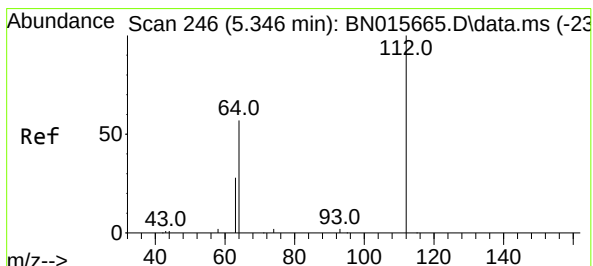
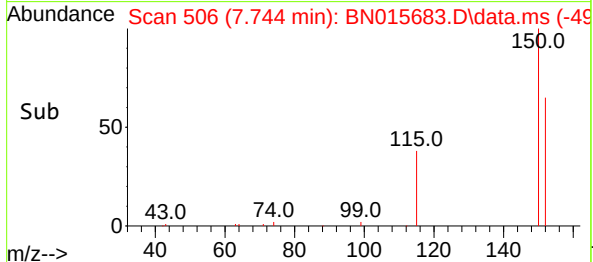
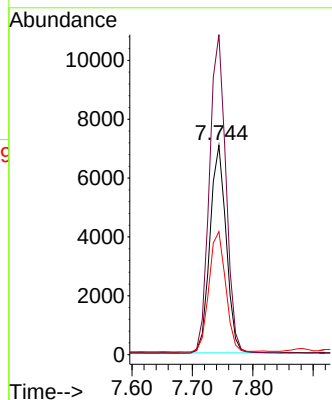
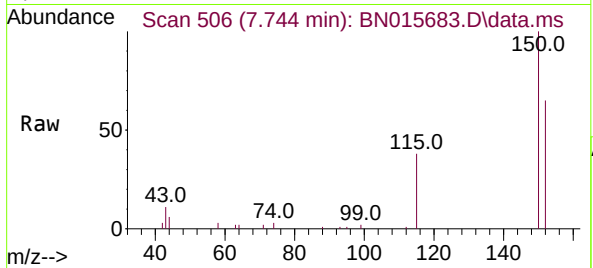




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.744 min Scan# 506
 Delta R.T. -0.000 min
 Lab File: BN015683.D
 Acq: 24 Jul 2021 00:35

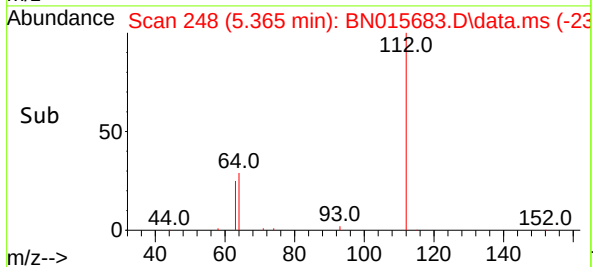
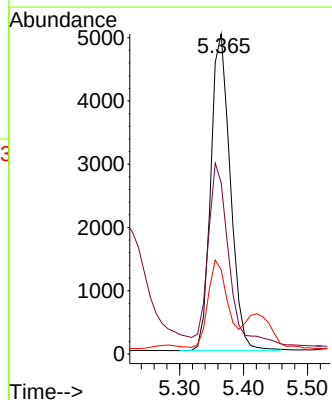
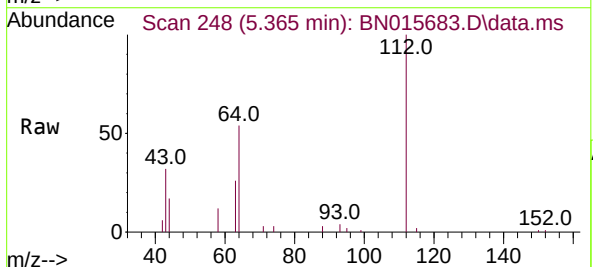
Instrument :
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 STOCK-PILE-1

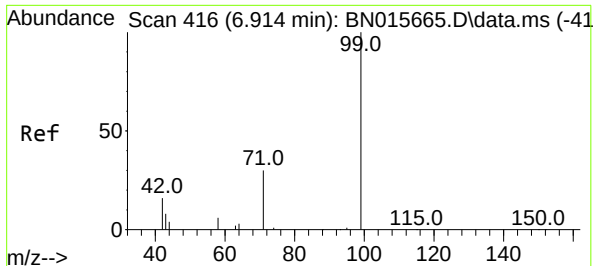
Tgt Ion:152 Resp: 13128
 Ion Ratio Lower Upper
 152 100
 150 152.9 123.4 185.0
 115 58.8 47.2 70.8



#4
 2-Fluorophenol
 Concen: 0.34 ng
 RT: 5.365 min Scan# 248
 Delta R.T. 0.019 min
 Lab File: BN015683.D
 Acq: 24 Jul 2021 00:35

Tgt Ion:112 Resp: 10616
 Ion Ratio Lower Upper
 112 100
 64 59.1 44.9 67.3
 63 27.6 22.6 33.8

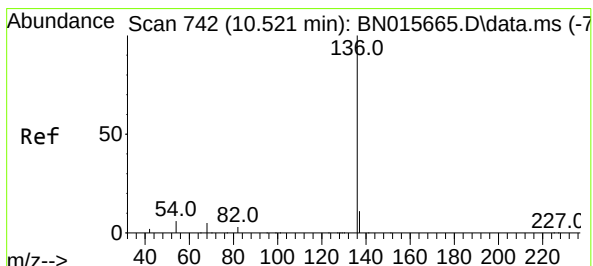
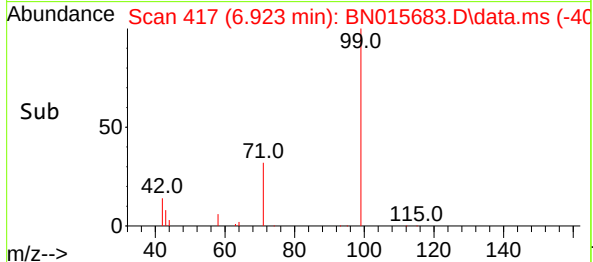
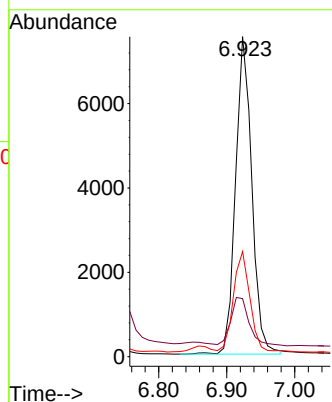
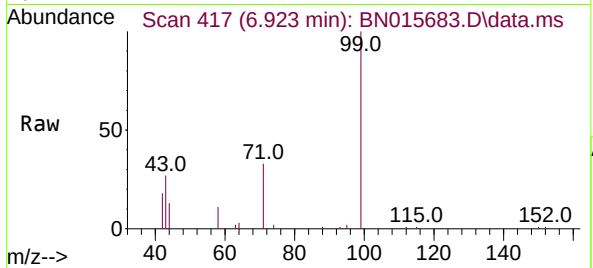




#5
Phenol-d6
Concen: 0.34 ng
RT: 6.923 min Scan# 417
Delta R.T. 0.009 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

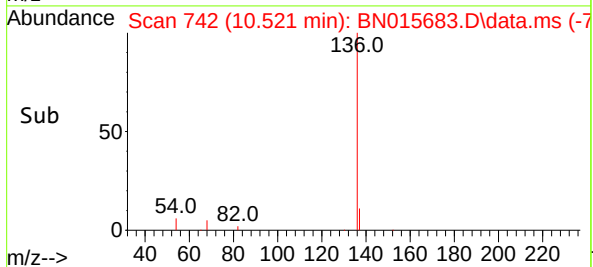
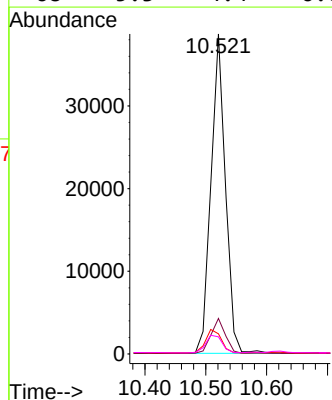
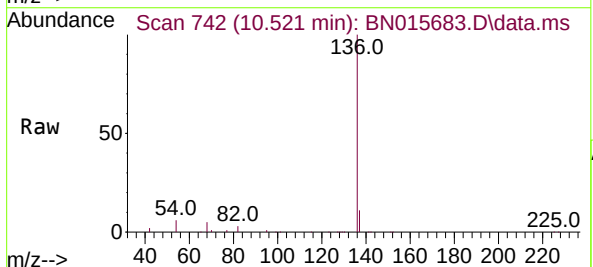
Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-1

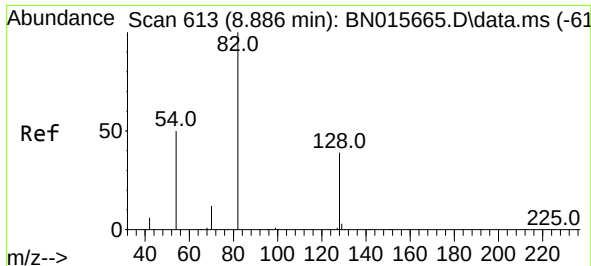
Tgt Ion: 99 Resp: 12533
Ion Ratio Lower Upper
99 100
42 16.4 13.8 20.6
71 31.1 24.2 36.2



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.521 min Scan# 742
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

Tgt Ion: 136 Resp: 63853
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 6.3 5.2 7.8
68 5.3 4.4 6.6

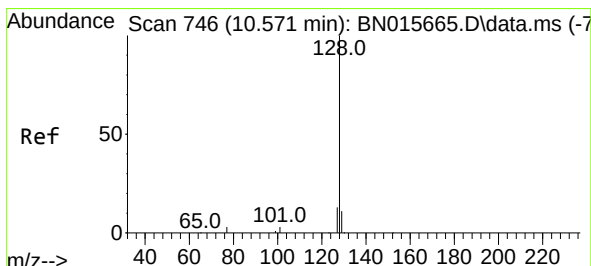
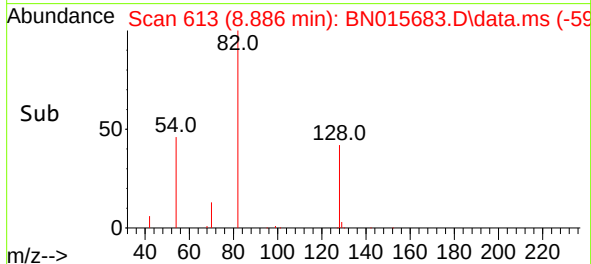
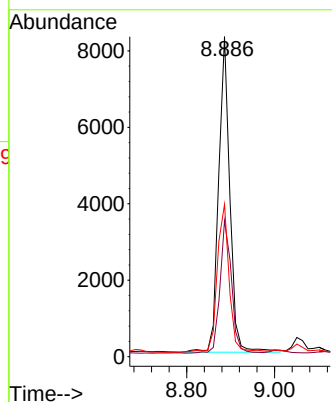
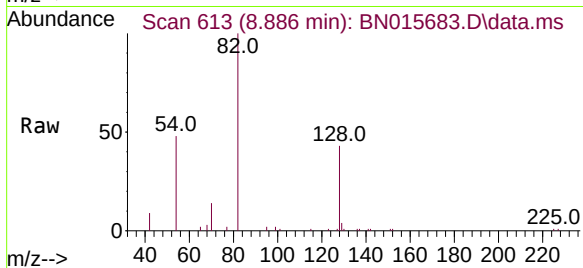




#8
Nitrobenzene-d5
Concen: 0.33 ng
RT: 8.886 min Scan# 613
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

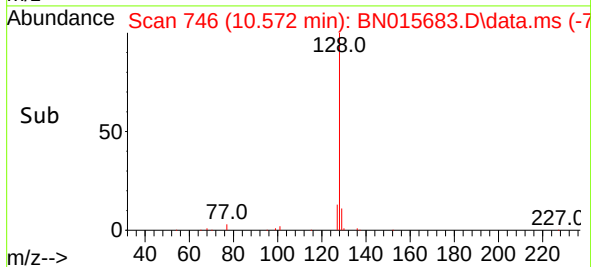
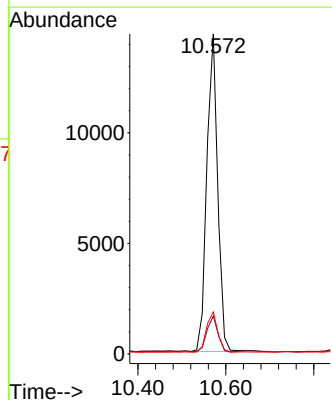
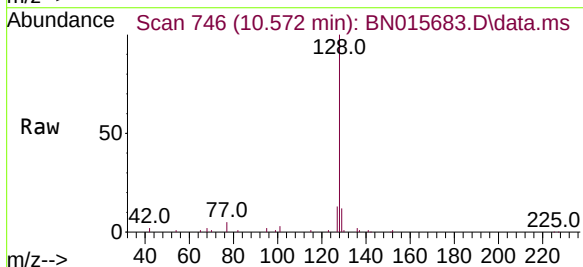
Instrument :
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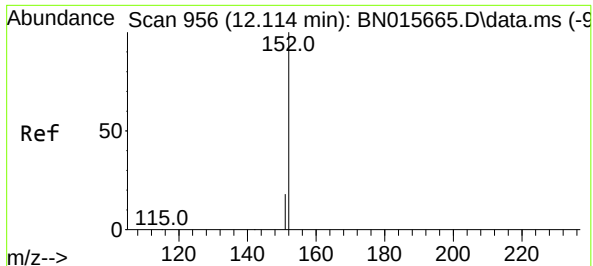
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.5	31.2	46.8
54	47.6	40.2	60.4



#9
Naphthalene
Concen: 0.15 ng
RT: 10.572 min Scan# 746
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.8	13.2
127	13.2	10.2	15.4

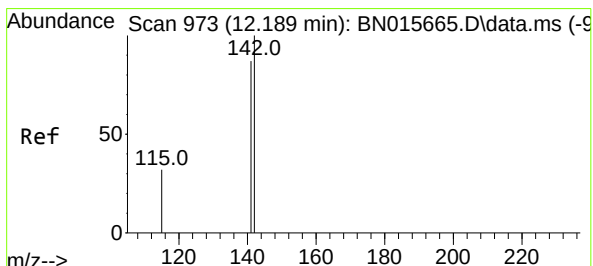
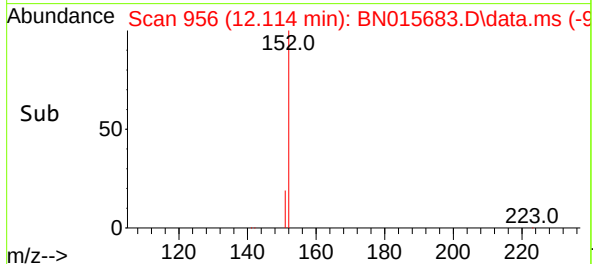
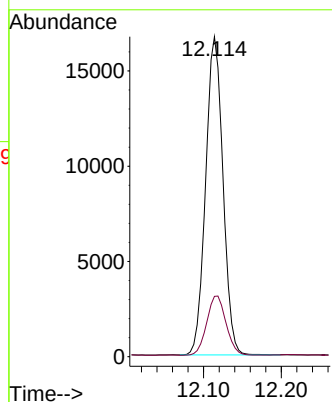
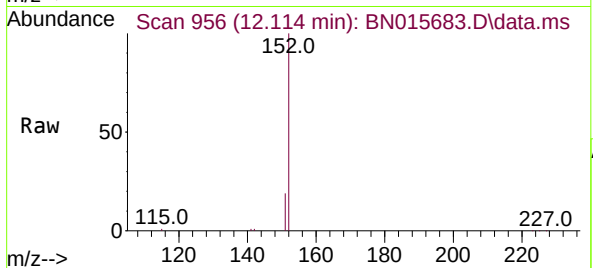




#11
2-Methylnaphthalene-d10
Concen: 0.27 ng
RT: 12.114 min Scan# 956
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

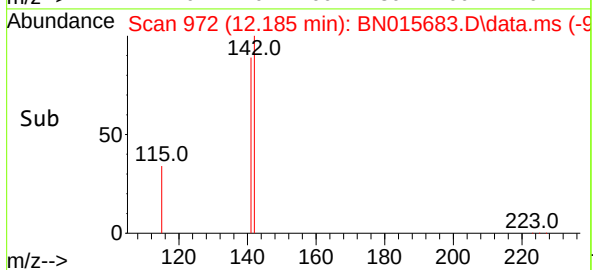
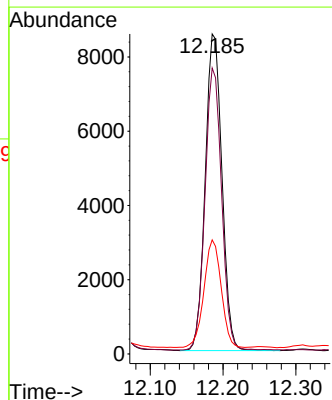
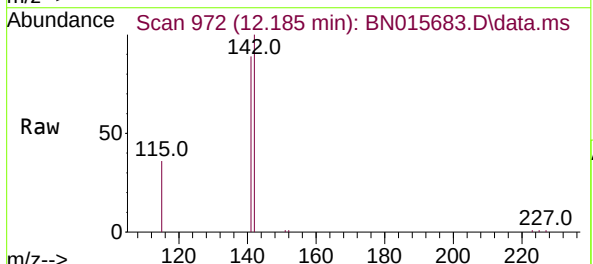
Instrument :
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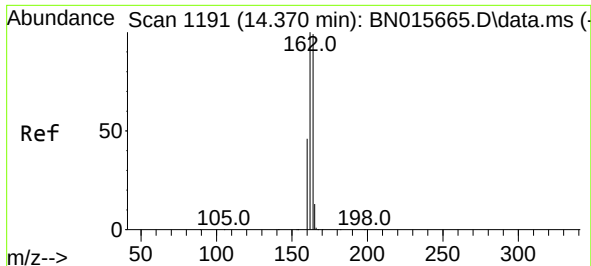
Tgt Ion:152 Resp: 25894
Ion Ratio Lower Upper
152 100
151 20.7 16.4 24.6



#12
2-Methylnaphthalene
Concen: 0.12 ng
RT: 12.185 min Scan# 972
Delta R.T. -0.004 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

Tgt Ion:142 Resp: 13625
Ion Ratio Lower Upper
142 100
141 89.4 69.5 104.3
115 35.7 26.1 39.1

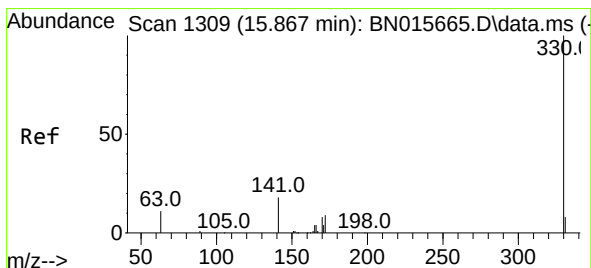
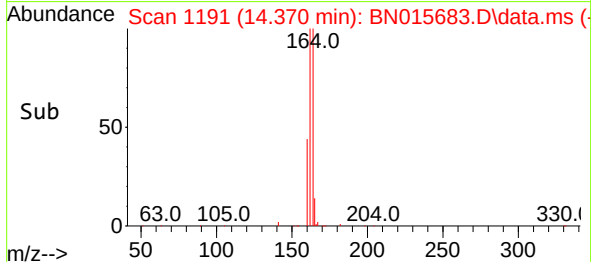
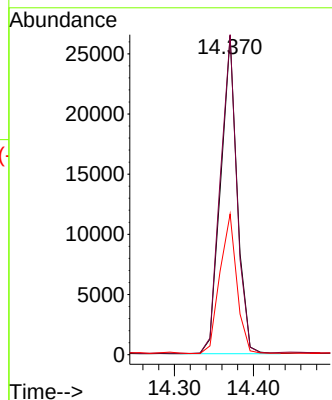
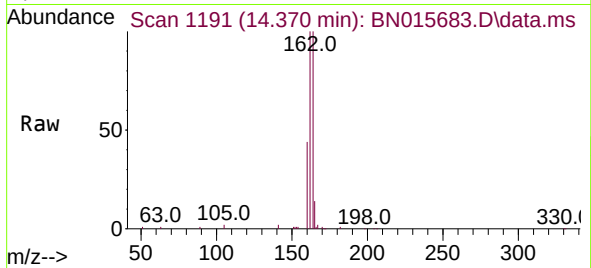




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.370 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

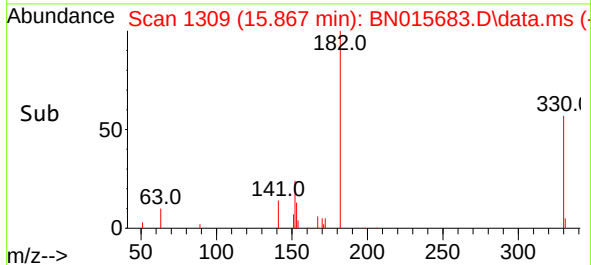
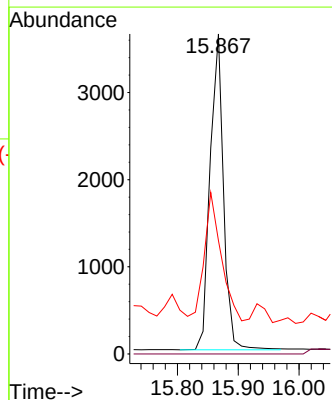
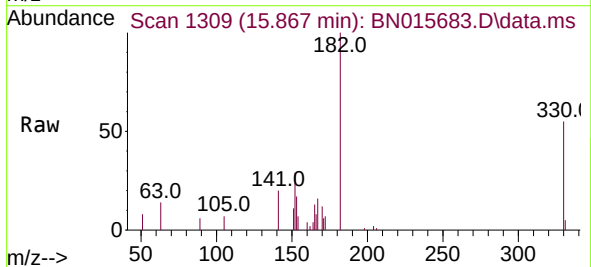
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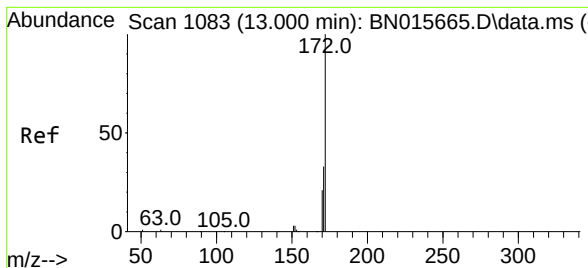
Tgt Ion:164 Resp: 38277
Ion Ratio Lower Upper
164 100
162 100.3 80.6 120.8
160 44.1 37.0 55.4



#14
2,4,6-Tribromophenol
Concen: 0.47 ng
RT: 15.867 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

Tgt Ion:330 Resp: 5574
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 51.0 28.7 43.1#

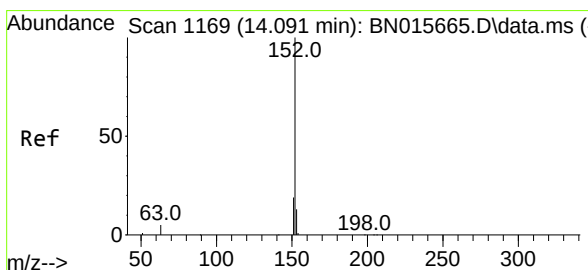
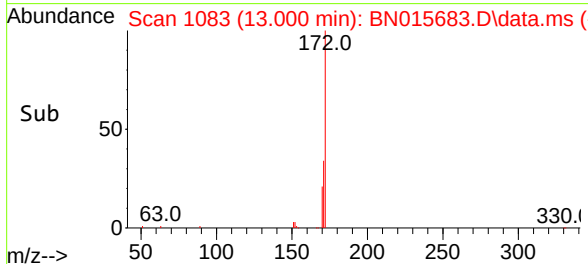
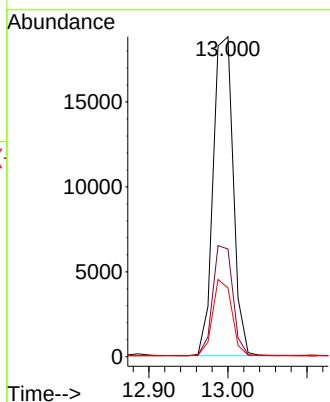
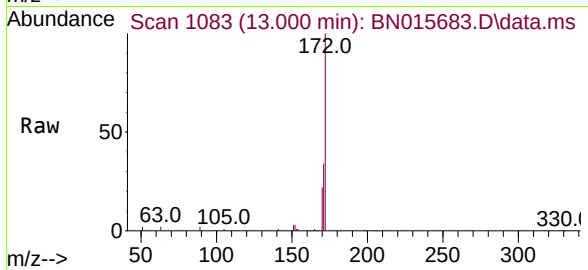




#15
2-Fluorobiphenyl
Concen: 0.21 ng
RT: 13.000 min Scan# 1083
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

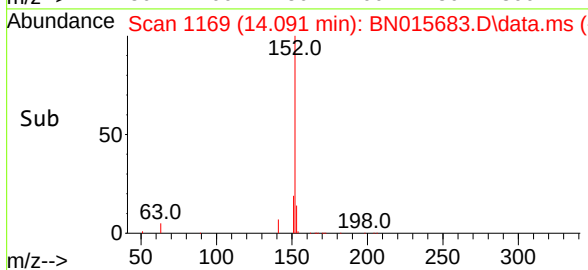
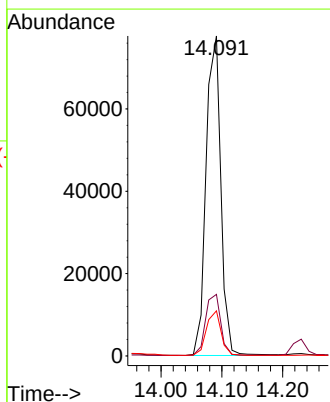
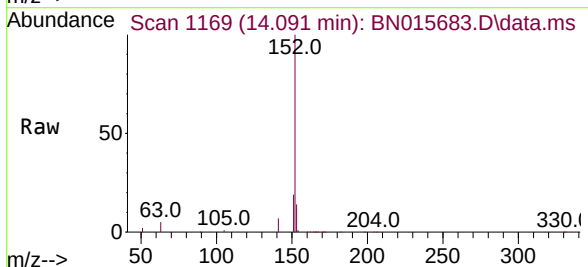
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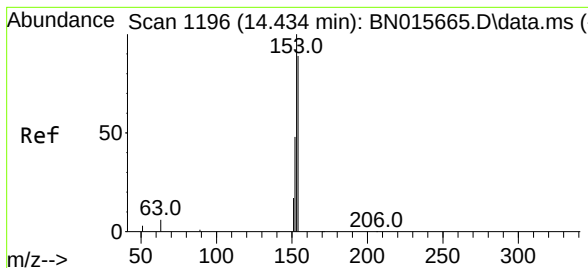
Tgt Ion:172 Resp: 33208
Ion Ratio Lower Upper
172 100
171 33.7 26.6 40.0
170 21.5 17.2 25.8



#16
Acenaphthylene
Concen: 0.82 ng
RT: 14.091 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

Tgt Ion:152 Resp: 131283
Ion Ratio Lower Upper
152 100
151 19.8 15.4 23.2
153 13.9 10.3 15.5

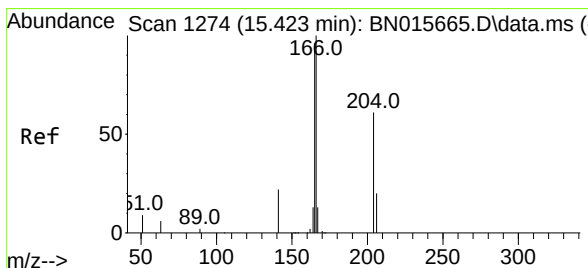
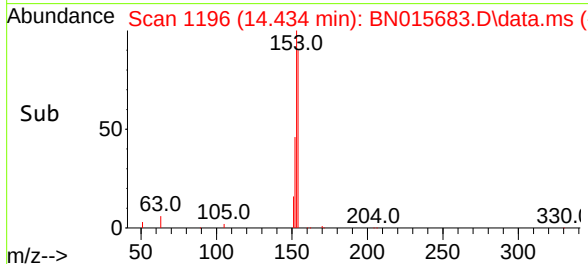
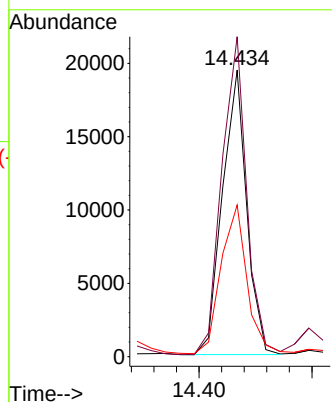
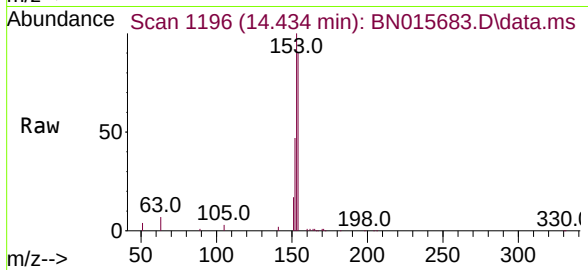




#17
Acenaphthene
Concen: 0.26 ng
RT: 14.434 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

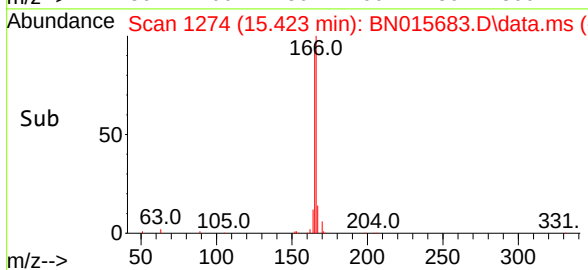
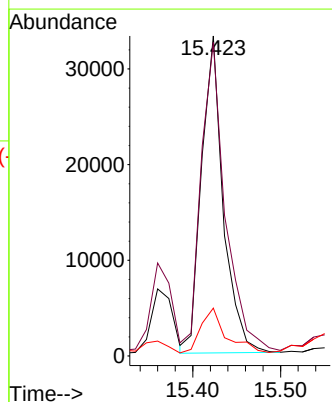
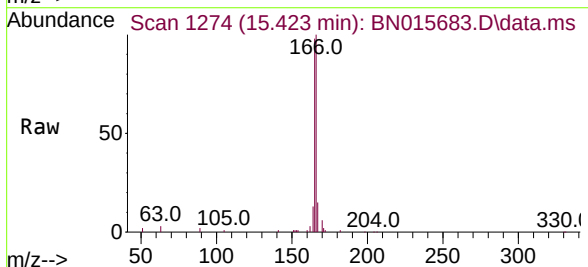
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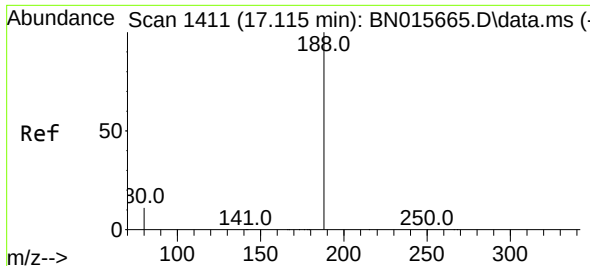
Tgt Ion:154 Resp: 28822
Ion Ratio Lower Upper
154 100
153 114.7 90.6 136.0
152 56.2 44.6 67.0



#18
Fluorene
Concen: 0.43 ng
RT: 15.423 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

Tgt Ion:166 Resp: 56951
Ion Ratio Lower Upper
166 100
165 108.4 78.3 117.5
167 16.5 10.8 16.2#

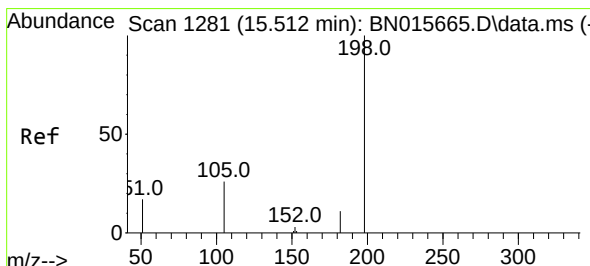
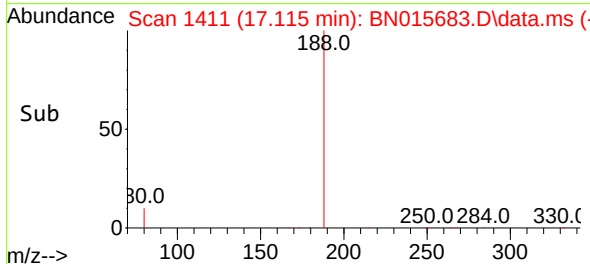
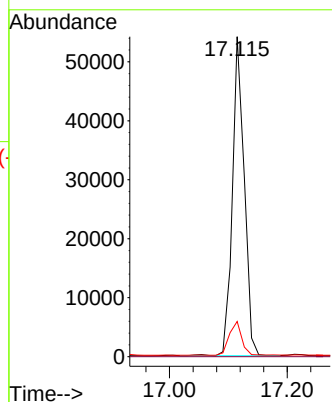
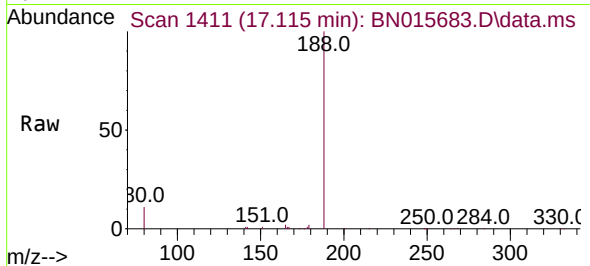




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.115 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

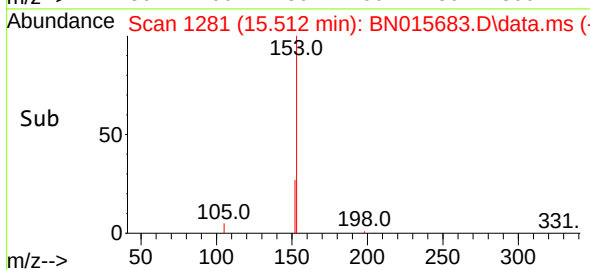
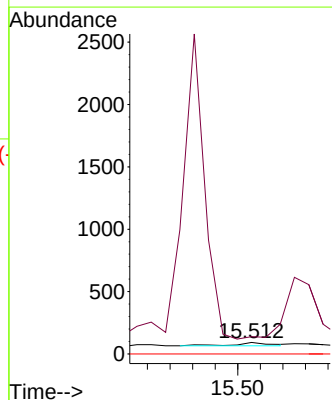
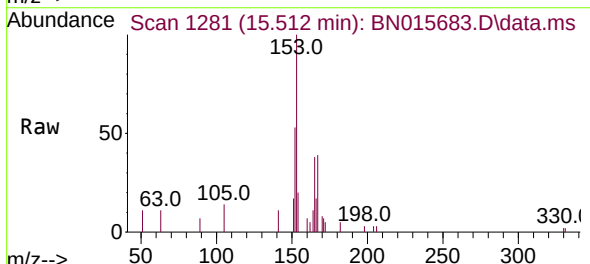
Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-1

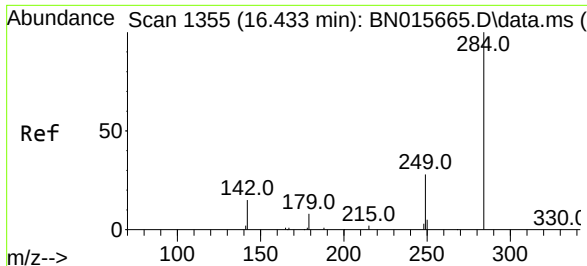
Tgt Ion:188 Resp: 75830
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 9.2 13.8



#20
4,6-Dinitro-2-methylphenol
Concen: 0.20 ng
RT: 15.512 min Scan# 1281
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

Tgt Ion:198 Resp: 59
Ion Ratio Lower Upper
198 100
182 151.1 17.2 25.8#
77 0.0 0.0 0.0

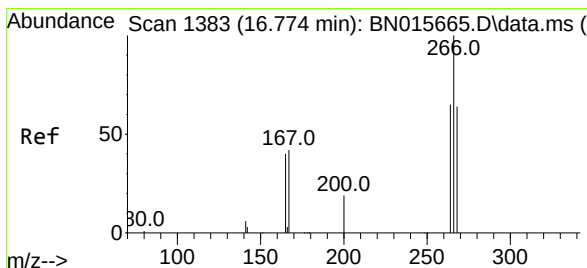
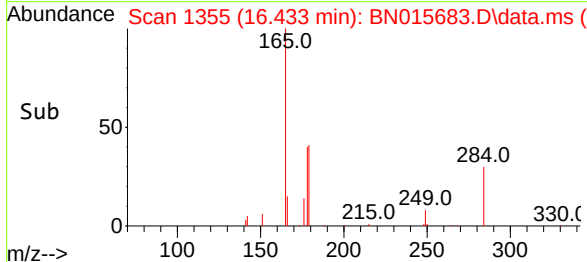
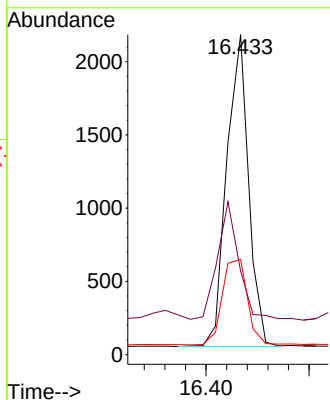
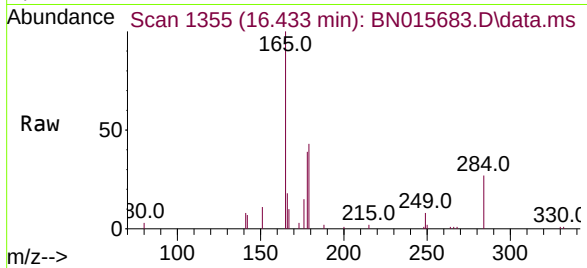




#22
Hexachlorobenzene
Concen: 0.06 ng
RT: 16.433 min Scan# 1355
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

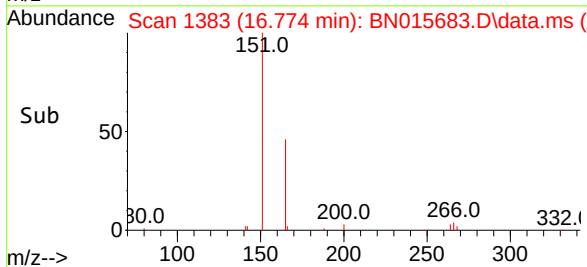
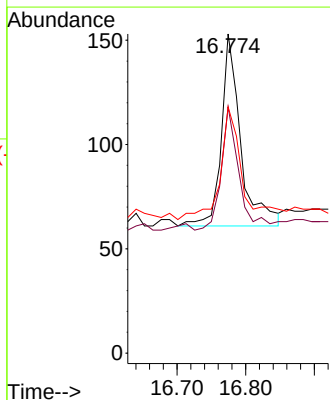
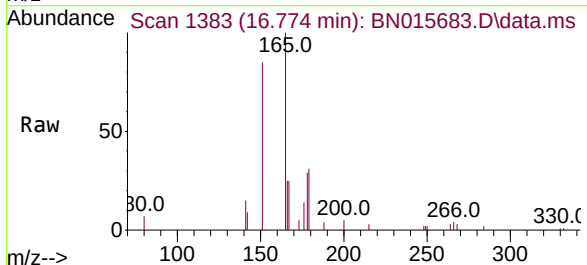
Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-1

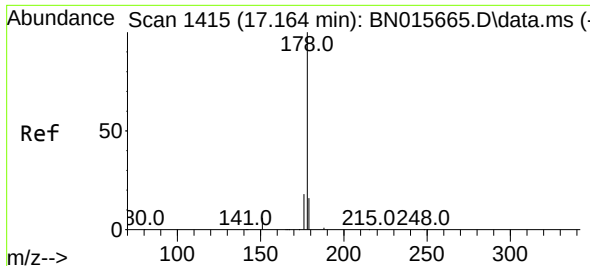
Tgt Ion:	284	Resp:	3126
Ion Ratio	Lower	Upper	
284	100		
142	36.5	27.5	41.3
249	31.7	25.0	37.6



#24
Pentachlorophenol
Concen: 0.16 ng
RT: 16.774 min Scan# 1383
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

Tgt Ion:	266	Resp:	180
Ion Ratio	Lower	Upper	
266	100		
264	60.0	51.0	76.4
268	66.7	51.8	77.8

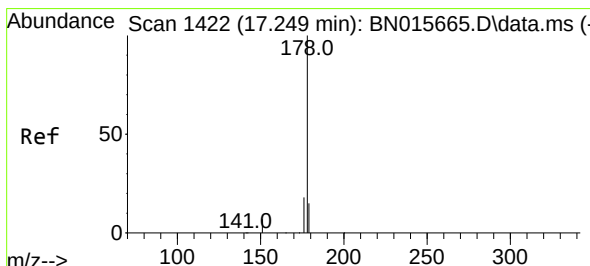
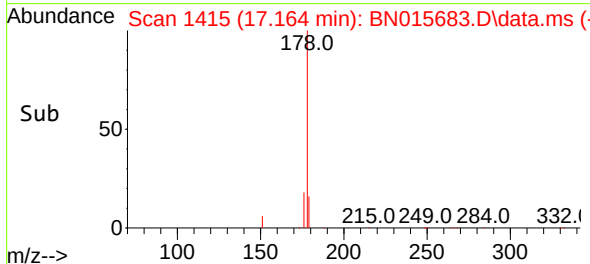
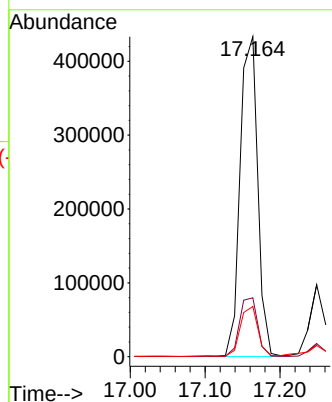
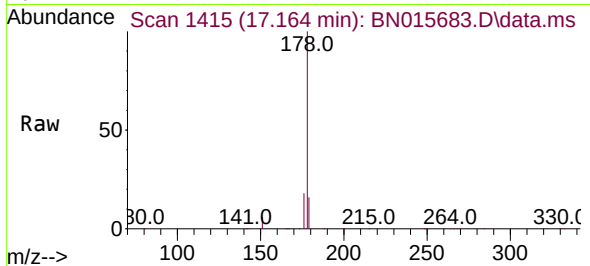




#25
Phenanthrene
Concen: 3.09 ng
RT: 17.164 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

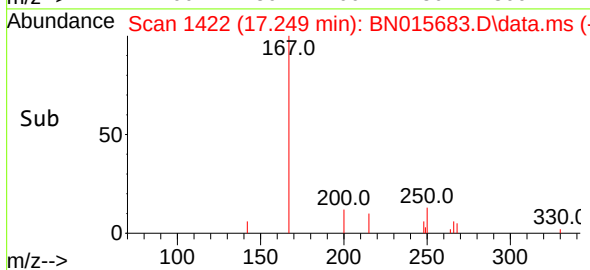
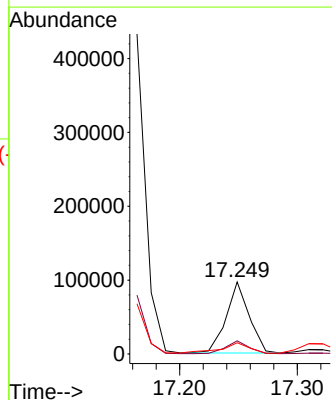
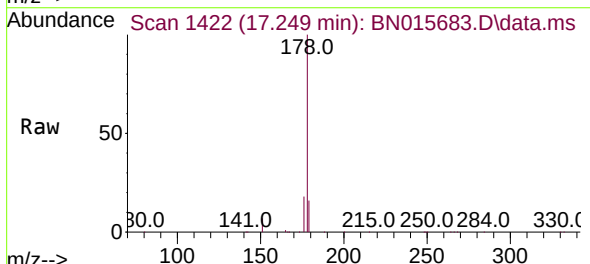
Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-1

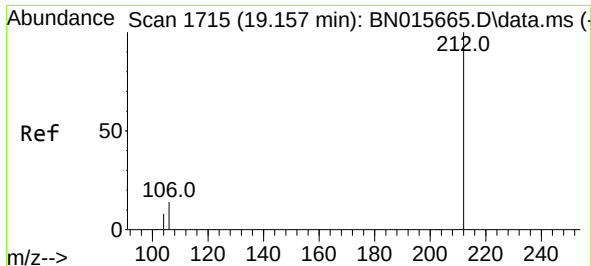
Tgt Ion:178 Resp: 707828
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 15.7 12.4 18.6



#26
Anthracene
Concen: 0.68 ng
RT: 17.249 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

Tgt Ion:178 Resp: 130071
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 17.3 12.2 18.2

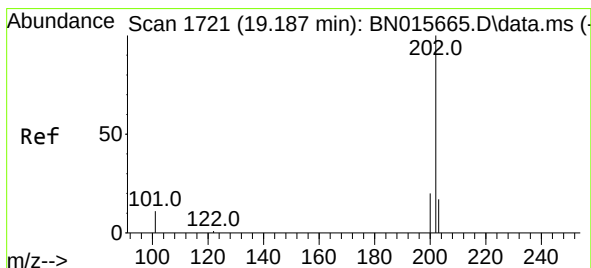
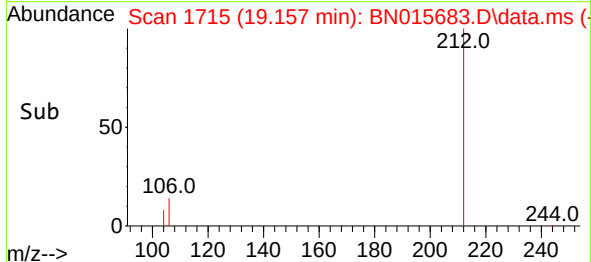
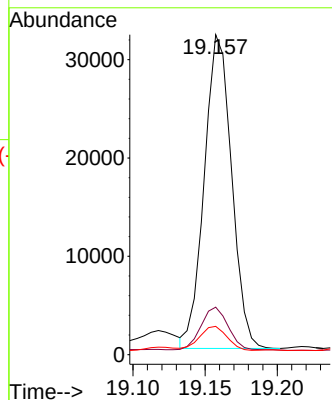
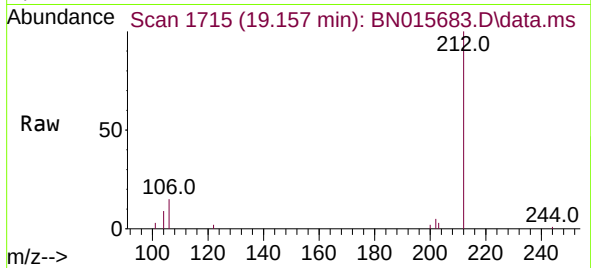




#27
Fluoranthene-d10
Concen: 0.21 ng
RT: 19.157 min Scan# 1715
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

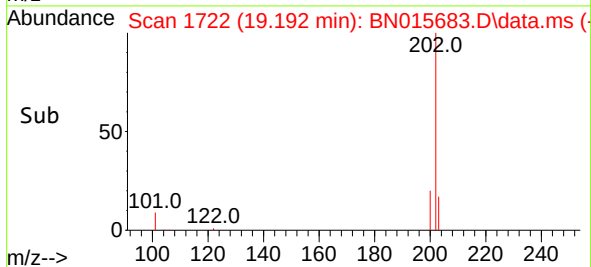
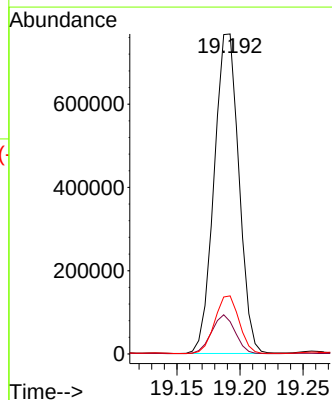
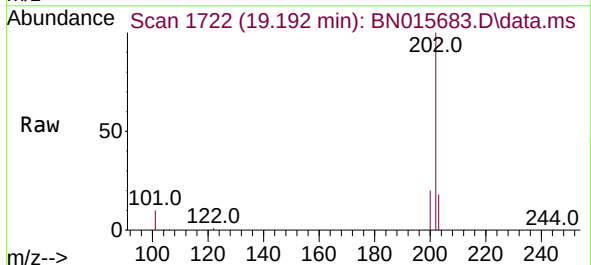
Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-1

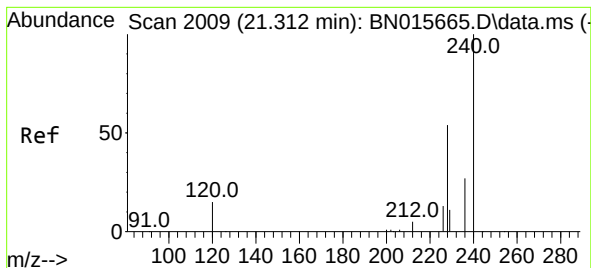
Tgt Ion:212 Resp: 42009
Ion Ratio Lower Upper
212 100
106 14.1 11.5 17.3
104 7.7 6.2 9.4



#28
Fluoranthene
Concen: 4.24 ng
RT: 19.192 min Scan# 1722
Delta R.T. 0.005 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

Tgt Ion:202 Resp: 1048312
Ion Ratio Lower Upper
202 100
101 11.6 9.5 14.3
203 17.8 13.8 20.6

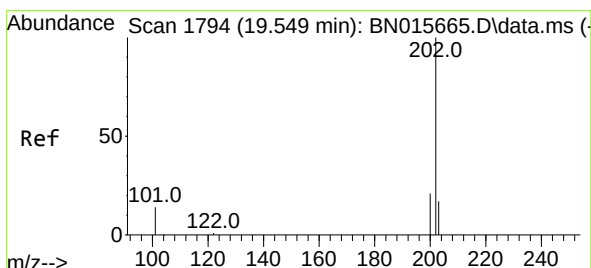
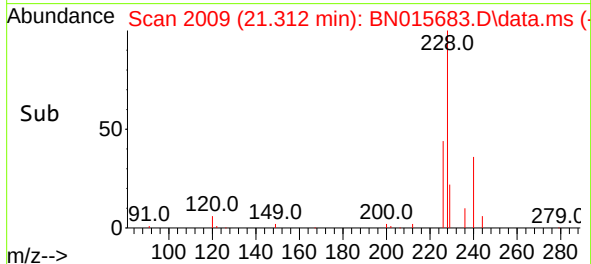
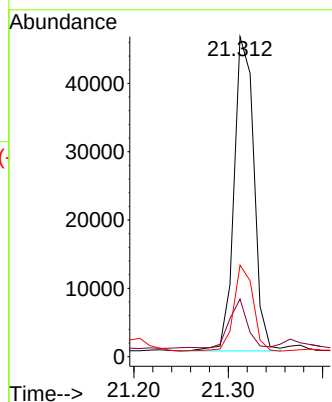
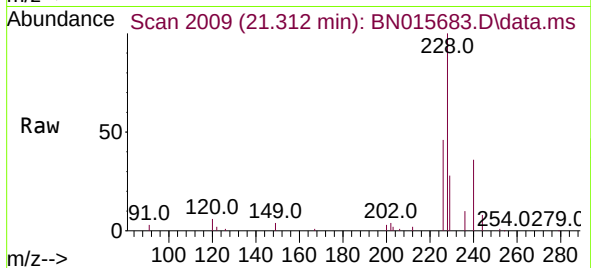




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.312 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

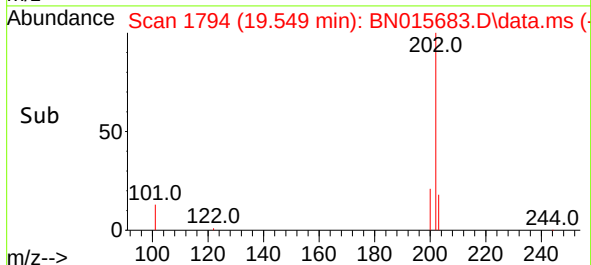
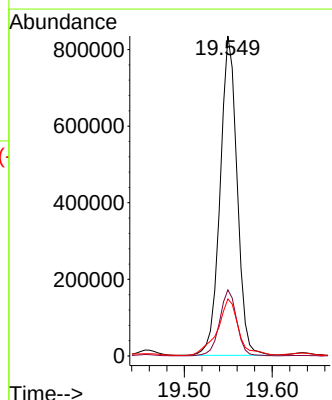
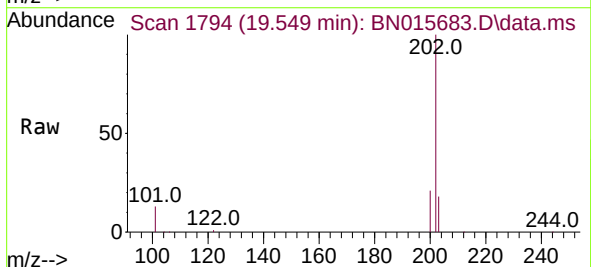
Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-1

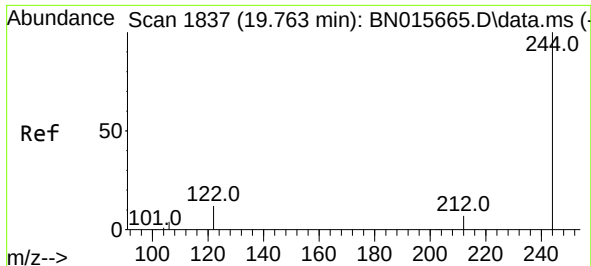
Tgt Ion:240 Resp: 67161
Ion Ratio Lower Upper
240 100
120 18.0 12.2 18.4
236 28.6 21.5 32.3



#30
Pyrene
Concen: 4.64 ng
RT: 19.549 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

Tgt Ion:202 Resp: 1119770
Ion Ratio Lower Upper
202 100
200 20.7 16.4 24.6
203 21.8 13.9 20.9#

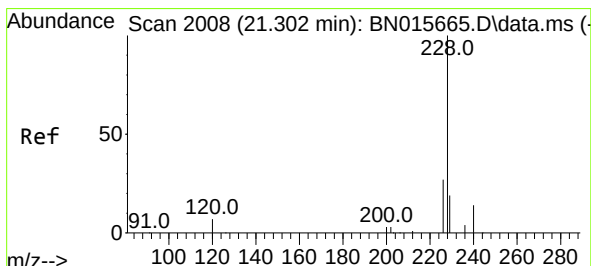
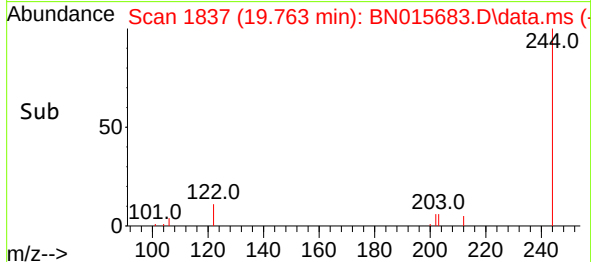
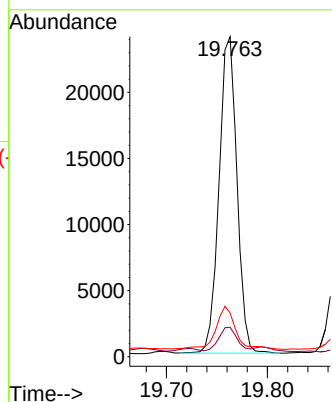
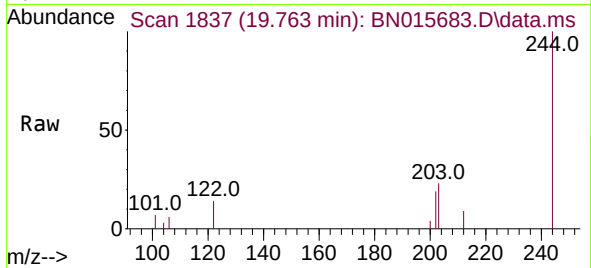




#31
 Terphenyl-d14
 Concen: 0.18 ng
 RT: 19.763 min Scan# 1837
 Delta R.T. 0.000 min
 Lab File: BN015683.D
 Acq: 24 Jul 2021 00:35

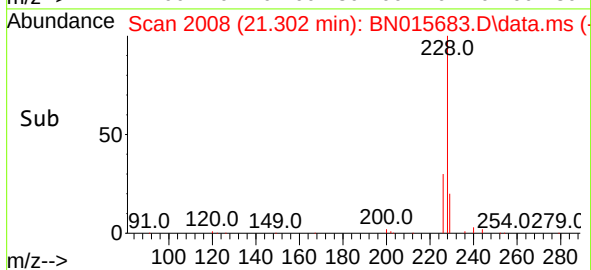
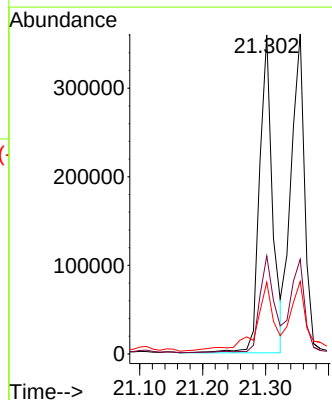
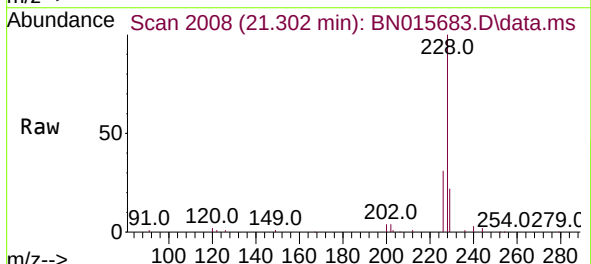
Instrument :
 BNA_N
 ClientSampleId :
 STOCK-PILE-1

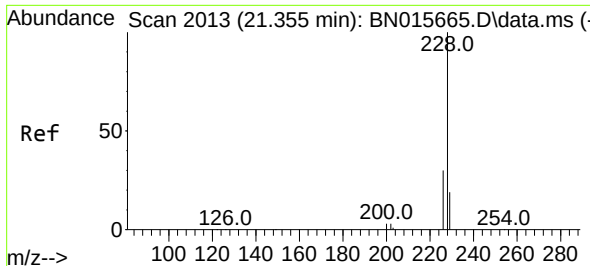
Tgt Ion:244 Resp: 29488
 Ion Ratio Lower Upper
 244 100
 212 9.2 6.1 9.1#
 122 13.7 10.1 15.1



#32
 Benzo(a)anthracene
 Concen: 2.45 ng
 RT: 21.302 min Scan# 2008
 Delta R.T. 0.000 min
 Lab File: BN015683.D
 Acq: 24 Jul 2021 00:35

Tgt Ion:228 Resp: 514923
 Ion Ratio Lower Upper
 228 100
 226 30.7 21.4 32.0
 229 22.5 15.5 23.3

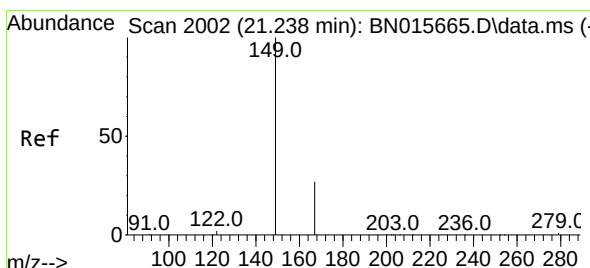
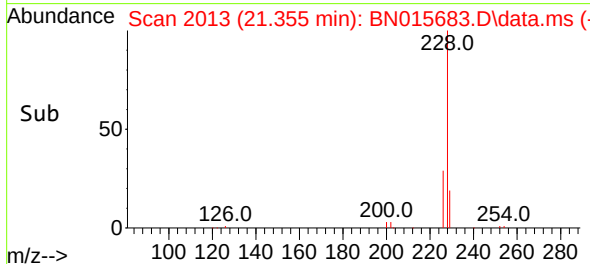
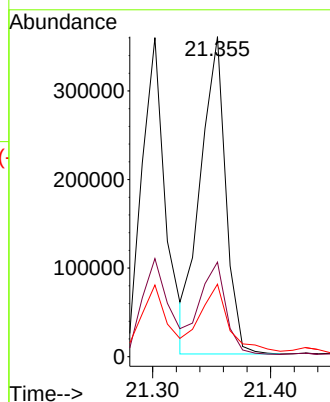
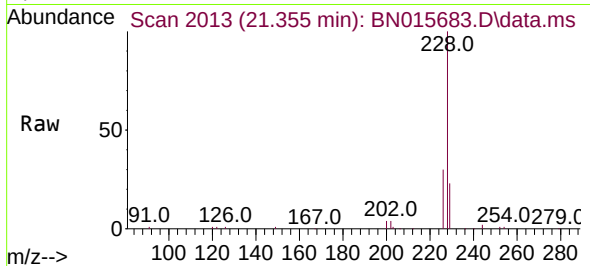




#33
Chrysene
Concen: 2.28 ng
RT: 21.355 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

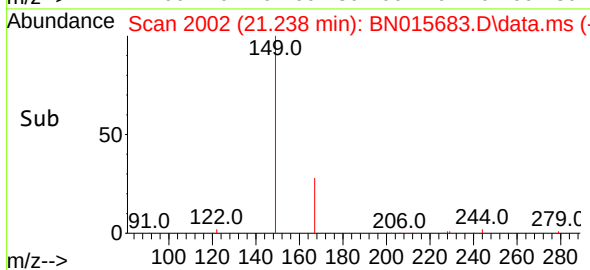
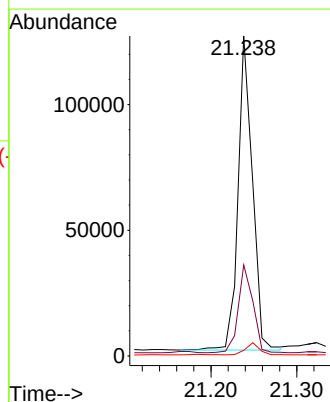
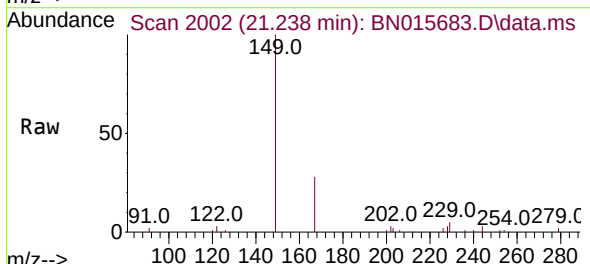
Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-1

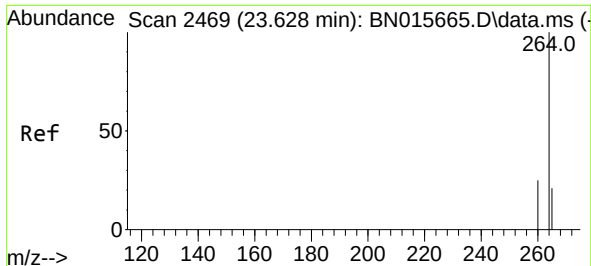
Tgt Ion:228	Resp: 530845
Ion Ratio	Lower Upper
228 100	
226 29.5	23.5 35.3
229 22.6	15.6 23.4



#34
Bis(2-ethylhexyl)phthalate
Concen: 1.57 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

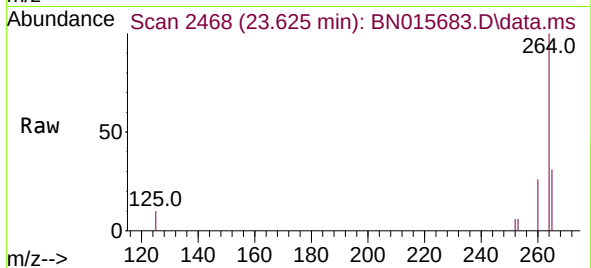
Tgt Ion:149	Resp: 144928
Ion Ratio	Lower Upper
149 100	
167 28.5	22.2 33.4
279 3.6	2.8 4.2



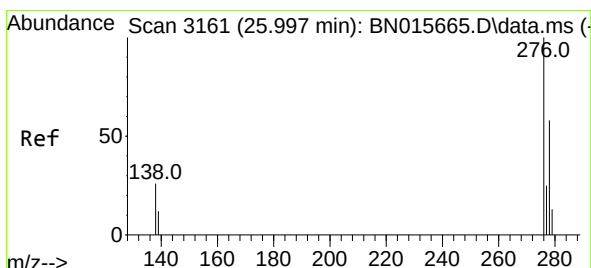
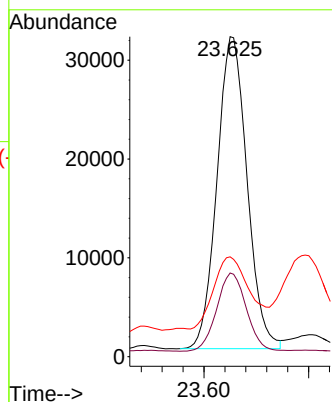
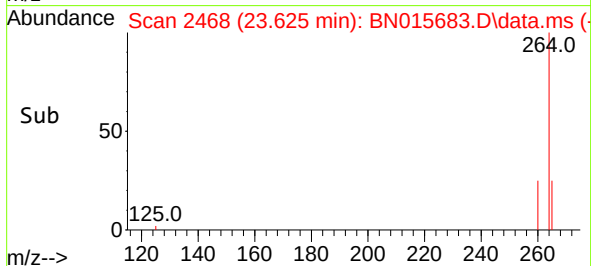


#35
Perylene-d12
Concen: 0.40 ng
RT: 23.625 min Scan# 2468
Delta R.T. -0.003 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

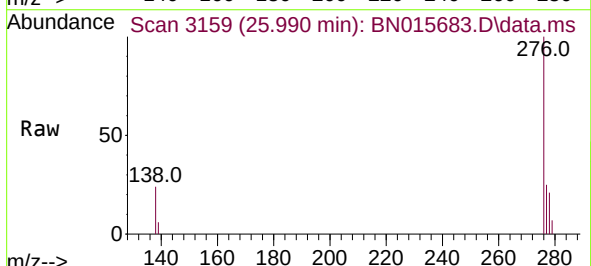
Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-1



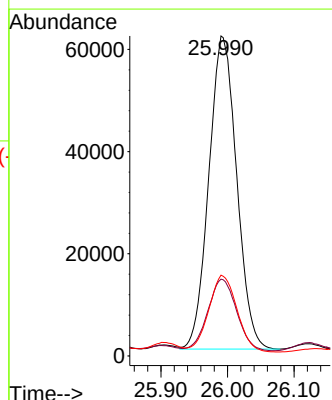
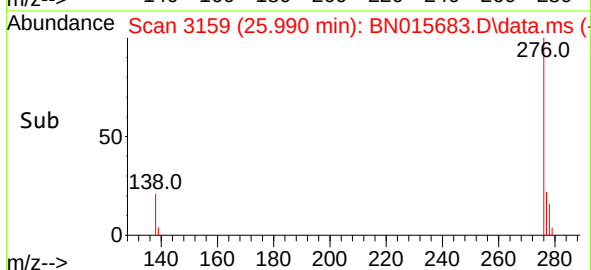
Tgt Ion:264 Resp: 63000
Ion Ratio Lower Upper
264 100
260 26.1 19.8 29.8
265 31.2 20.0 30.0#

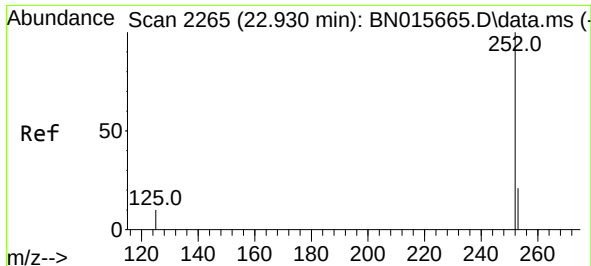


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.78 ng
RT: 25.990 min Scan# 3159
Delta R.T. -0.007 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35



Tgt Ion:276 Resp: 177982
Ion Ratio Lower Upper
276 100
138 23.7 21.8 32.6
277 24.9 19.9 29.9

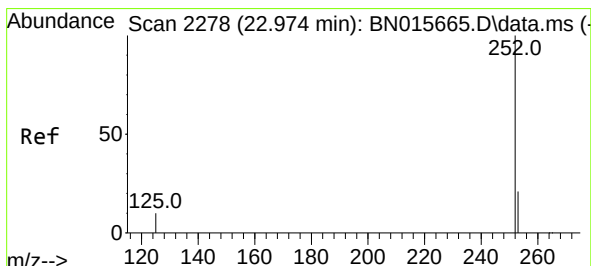
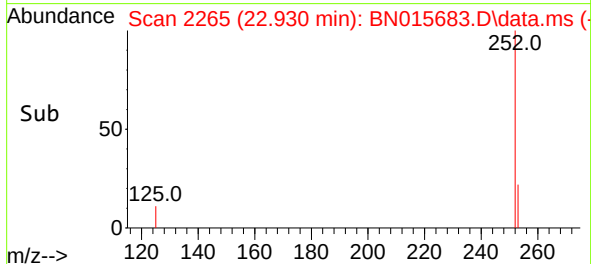
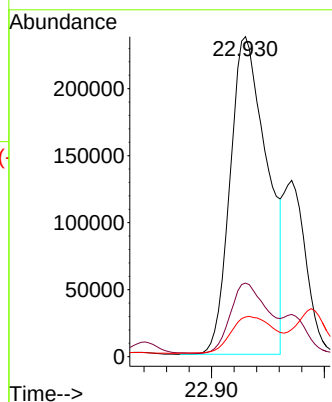
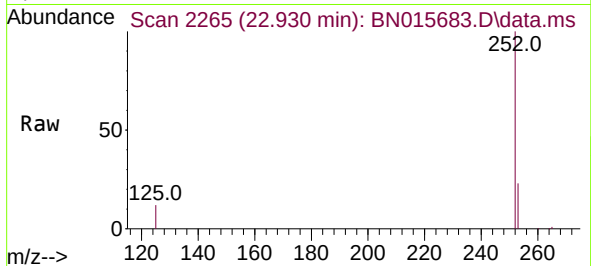




#37
Benzo(b)fluoranthene
Concen: 2.29 ng
RT: 22.930 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

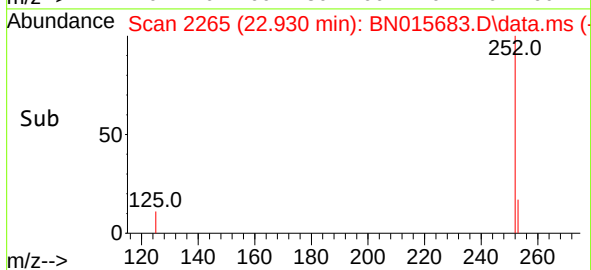
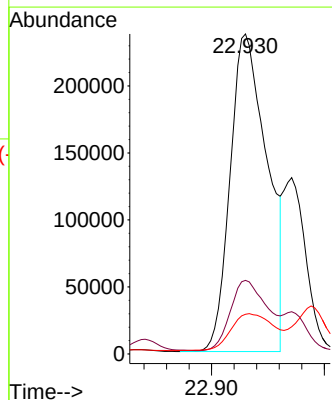
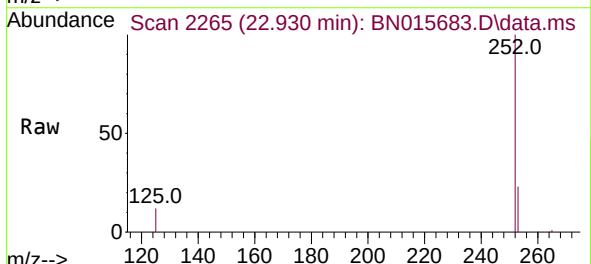
Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-1

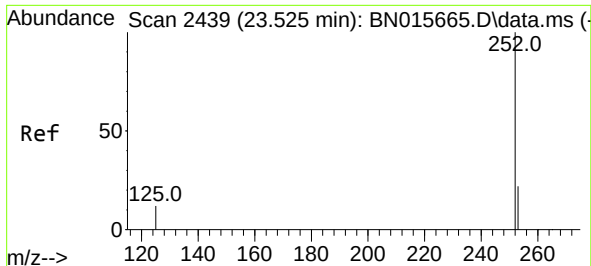
Tgt Ion:252 Resp: 542711
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 12.4 8.8 13.2



#38
Benzo(k)fluoranthene
Concen: 2.29 ng
RT: 22.930 min Scan# 2265
Delta R.T. -0.044 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

Tgt Ion:252 Resp: 542711
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 12.4 8.8 13.2

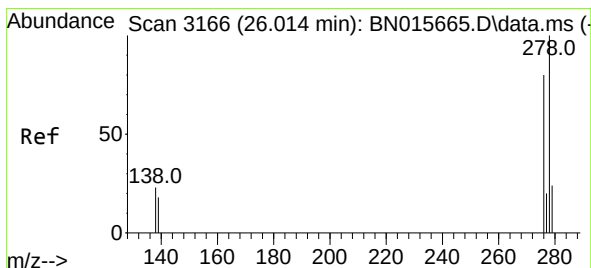
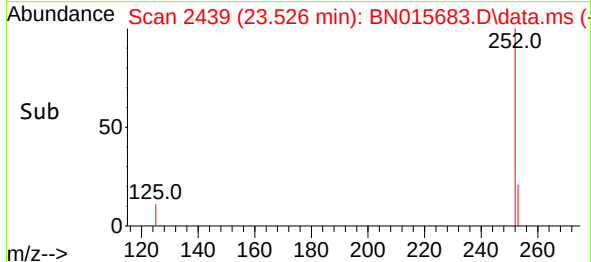
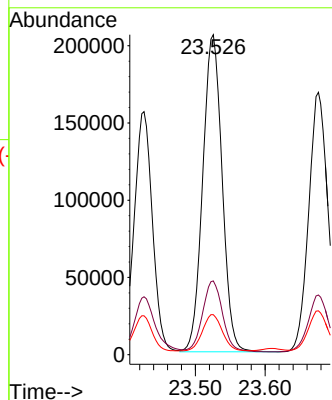
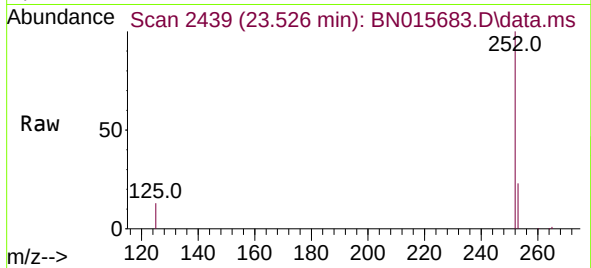




#39
Benzo(a)pyrene
Concen: 2.06 ng
RT: 23.526 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

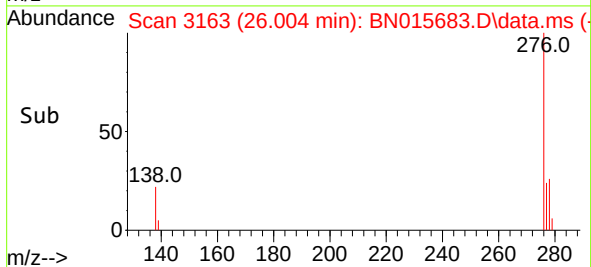
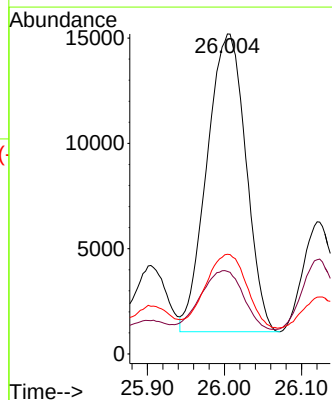
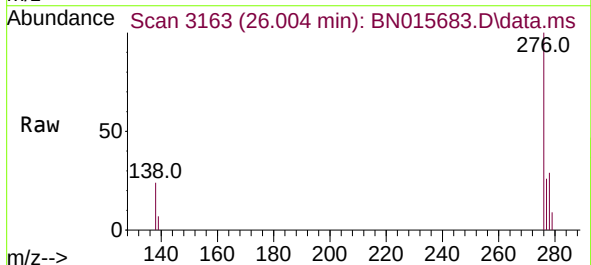
Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-1

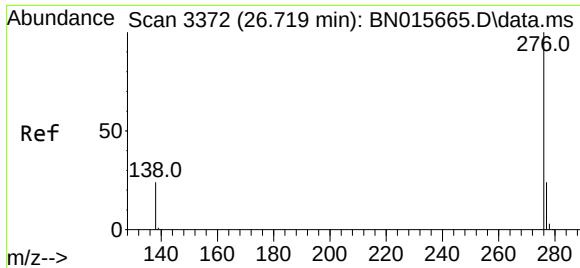
Tgt Ion:252 Resp: 395641
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 12.5 10.4 15.6



#40
Dibenzo(a,h)anthracene
Concen: 0.28 ng
RT: 26.004 min Scan# 3163
Delta R.T. -0.010 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

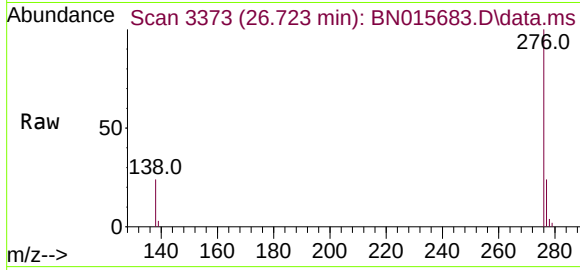
Tgt Ion:278 Resp: 49664
Ion Ratio Lower Upper
278 100
139 25.8 14.6 22.0#
279 31.1 19.3 28.9#





#41
Benzo(g,h,i)perylene
Concen: 0.80 ng
RT: 26.723 min Scan# 3373
Delta R.T. 0.004 min
Lab File: BN015683.D
Acq: 24 Jul 2021 00:35

Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-1



Tgt Ion:276 Resp: 167964
Ion Ratio Lower Upper
276 100
277 24.3 19.1 28.7
138 24.3 19.1 28.7

