

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072421\
 Data File : BN015680.D
 Acq On : 23 Jul 2021 22:45
 Operator : CG/JU
 Sample : M3143-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 STOCK-PILE-2

Quant Time: Jul 24 00:22:03 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)

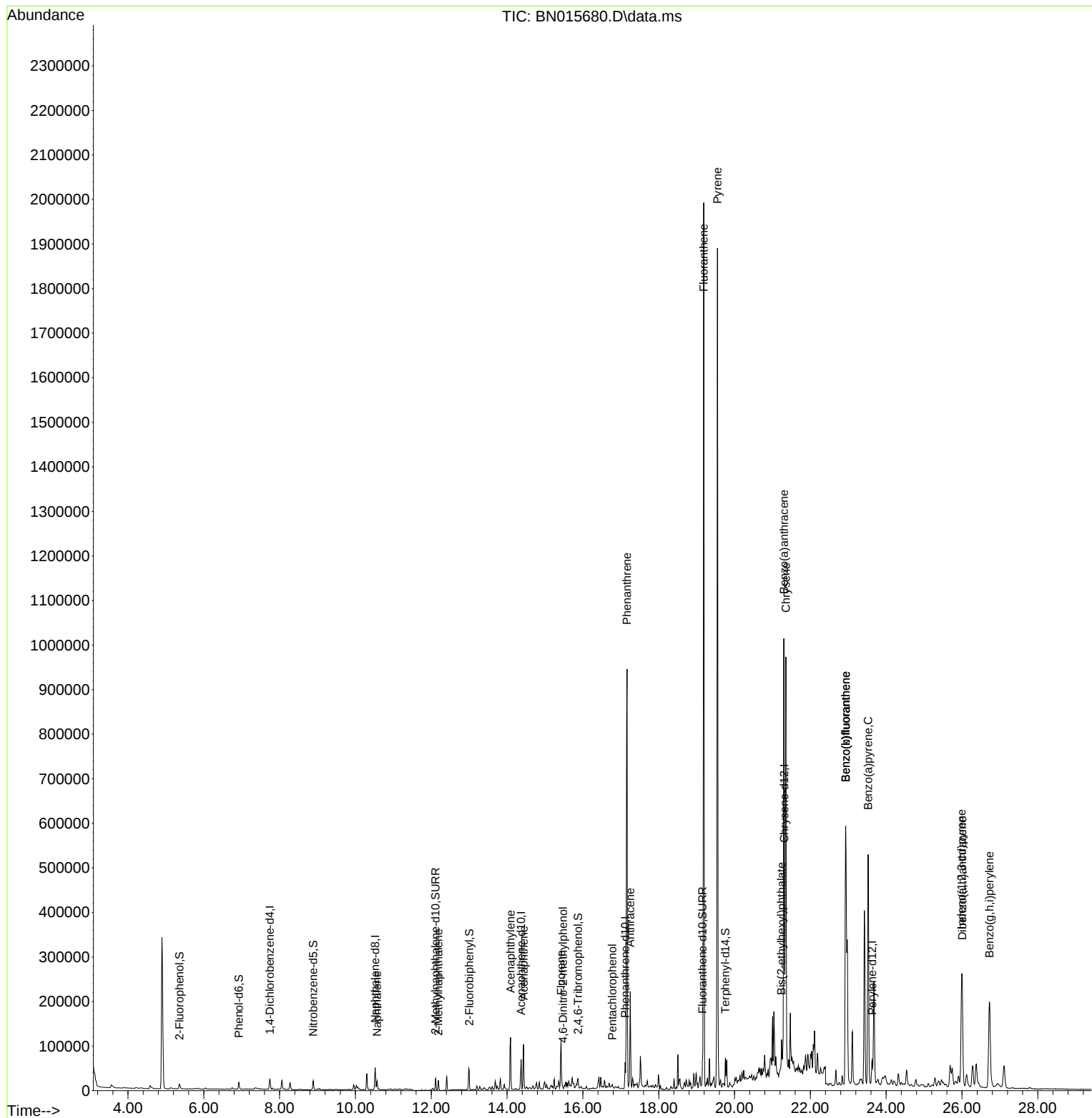
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.744	152	13469	0.40	ng	0.00
7) Naphthalene-d8	10.521	136	64117	0.40	ng	0.00
13) Acenaphthene-d10	14.370	164	36660	0.40	ng	0.00
19) Phenanthrene-d10	17.115	188	74111	0.40	ng	0.00
29) Chrysene-d12	21.312	240	69520	0.40	ng	0.00
35) Perylene-d12	23.628	264	71188	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.356	112	12807	0.40	ng	0.00
5) Phenol-d6	6.923	99	15022	0.39	ng	0.00
8) Nitrobenzene-d5	8.886	82	16494	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.114	152	34893	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.867	330	5935	0.52	ng	0.00
15) 2-Fluorobiphenyl	13.000	172	47017	0.31	ng	0.00
27) Fluoranthene-d10	19.157	212	70277	0.36	ng	0.00
31) Terphenyl-d14	19.758	244	53916	0.33	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.572	128	25414	0.15	ng	99
12) 2-Methylnaphthalene	12.190	142	15879	0.14	ng	100
16) Acenaphthylene	14.091	152	132790	0.87	ng	99
17) Acenaphthene	14.434	154	50925	0.48	ng	99
18) Fluorene	15.423	166	74463	0.59	ng	94
20) 4,6-Dinitro-2-methylph...	15.474	198	17	0.20	ng	# 1
24) Pentachlorophenol	16.774	266	139	0.15	ng	93
25) Phenanthrene	17.164	178	1066207	4.77	ng	100
26) Anthracene	17.249	178	208698	1.12	ng	98
28) Fluoranthene	19.187	202	1778515	7.37	ng	99
30) Pyrene	19.549	202	1722034	6.90	ng	# 94
32) Benzo(a)anthracene	21.302	228	824808	3.79	ng	95
33) Chrysene	21.355	228	843243	3.49	ng	97
34) Bis(2-ethylhexyl)phtha...	21.238	149	59647	0.77	ng	98
36) Indeno(1,2,3-cd)pyrene	25.994	276	423022	1.64	ng	96
37) Benzo(b)fluoranthene	22.933	252	1013110	3.78	ng	98
38) Benzo(k)fluoranthene	22.933	252	1013110	3.78	ng	97
39) Benzo(a)pyrene	23.526	252	754615	3.48	ng	99
40) Dibenzo(a,h)anthracene	26.007	278	106878	0.53	ng	# 91
41) Benzo(g,h,i)perylene	26.726	276	421683	1.79	ng	99

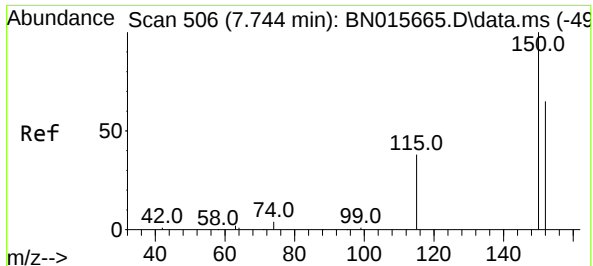
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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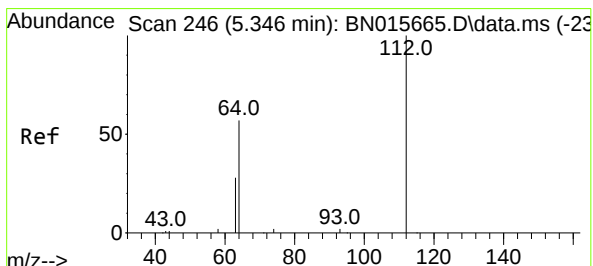
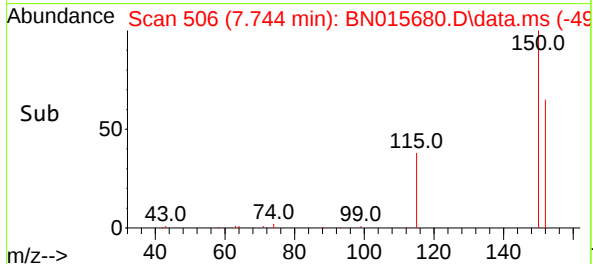
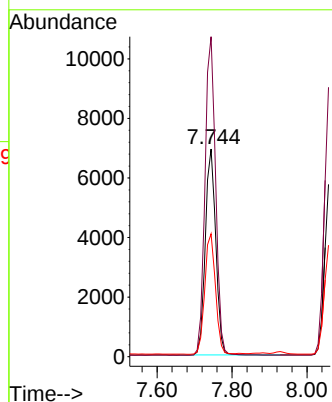
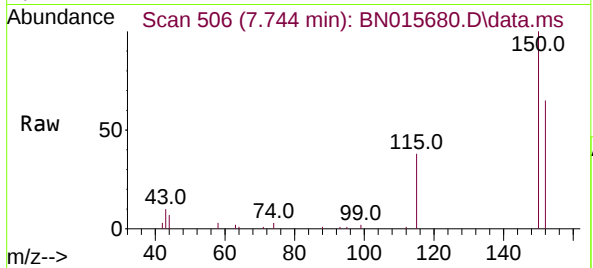




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.744 min Scan# 506
 Delta R.T. -0.000 min
 Lab File: BN015680.D
 Acq: 23 Jul 2021 22:45

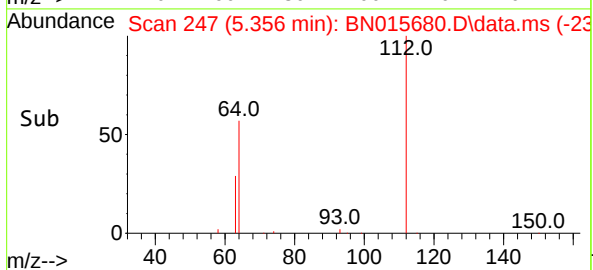
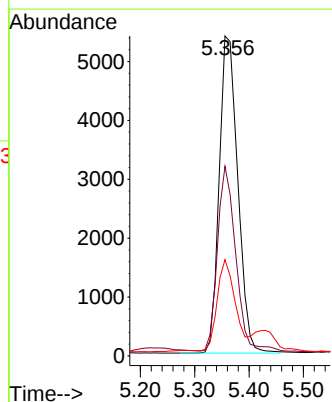
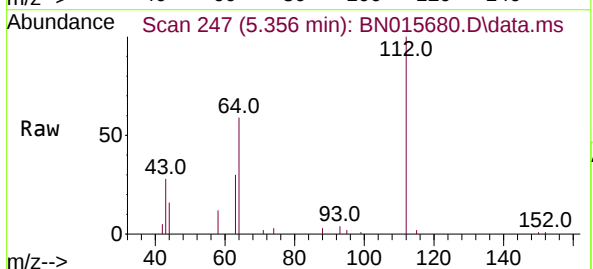
Instrument :
 BNA_N
 ClientSampleId :
 STOCK-PILE-2

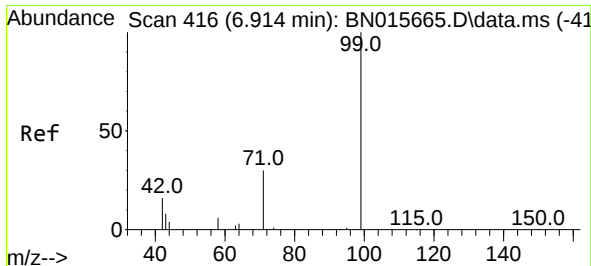
Tgt Ion:152 Resp: 13469
 Ion Ratio Lower Upper
 152 100
 150 154.1 123.4 185.0
 115 59.2 47.2 70.8



#4
 2-Fluorophenol
 Concen: 0.40 ng
 RT: 5.356 min Scan# 247
 Delta R.T. 0.009 min
 Lab File: BN015680.D
 Acq: 23 Jul 2021 22:45

Tgt Ion:112 Resp: 12807
 Ion Ratio Lower Upper
 112 100
 64 56.7 44.9 67.3
 63 28.4 22.6 33.8

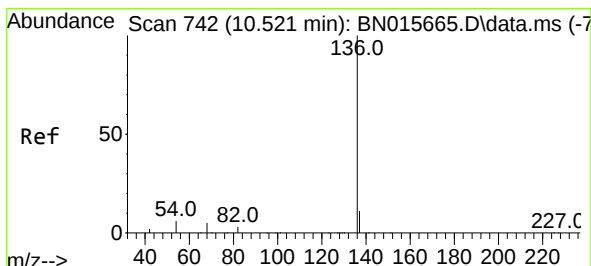
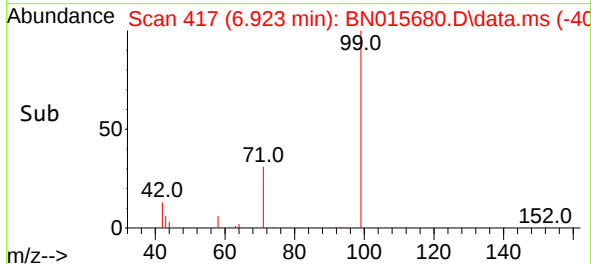
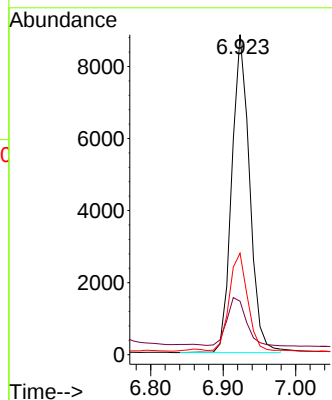
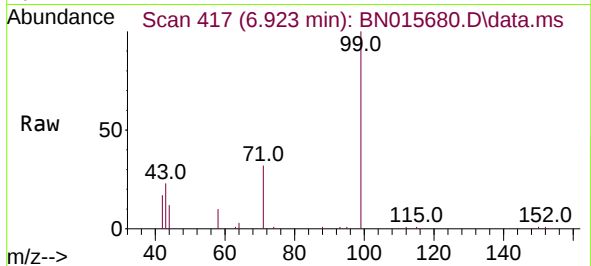




#5
Phenol-d6
Concen: 0.39 ng
RT: 6.923 min Scan# 417
Delta R.T. 0.009 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

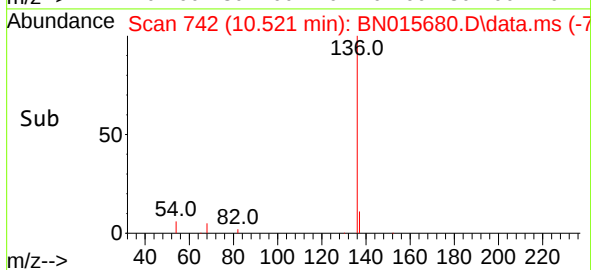
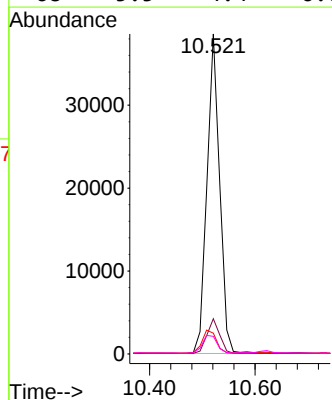
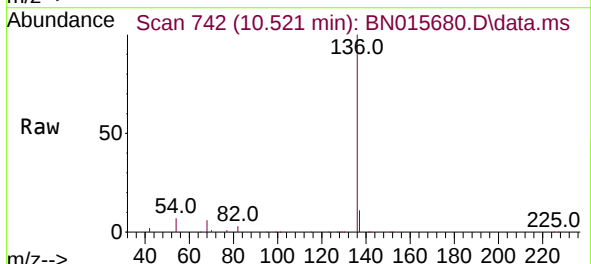
Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-2

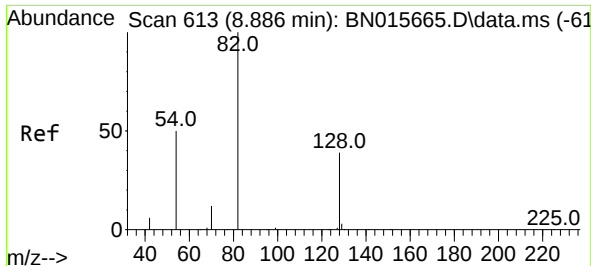
Tgt Ion: 99 Resp: 15022
Ion Ratio Lower Upper
99 100
42 16.4 13.8 20.6
71 31.4 24.2 36.2



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.521 min Scan# 742
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

Tgt Ion: 136 Resp: 64117
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 6.5 5.2 7.8
68 5.5 4.4 6.6

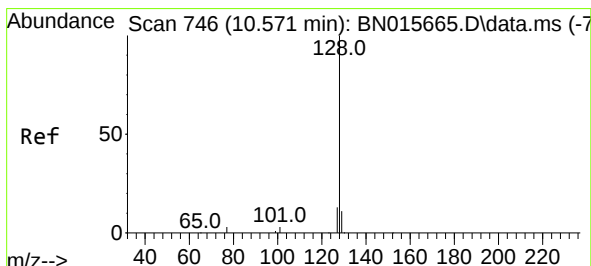
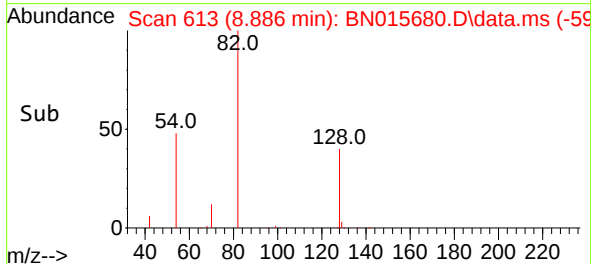
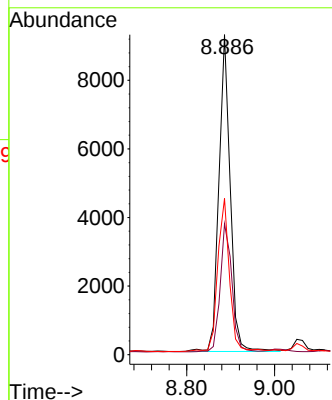
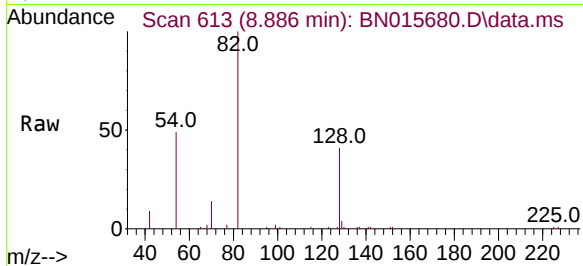




#8
Nitrobenzene-d5
Concen: 0.37 ng
RT: 8.886 min Scan# 613
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

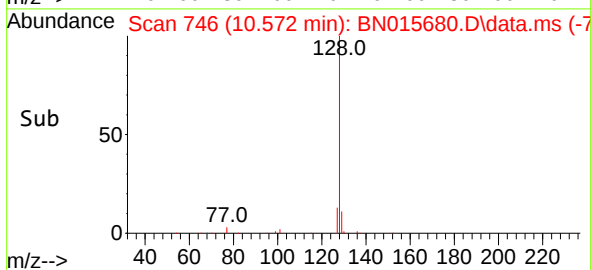
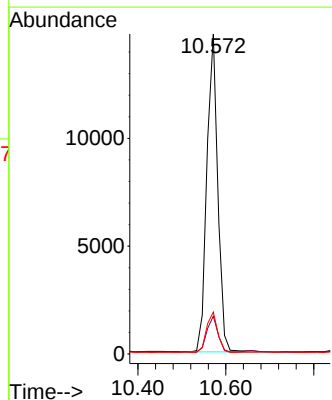
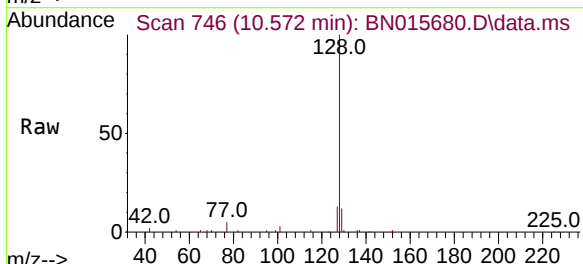
Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-2

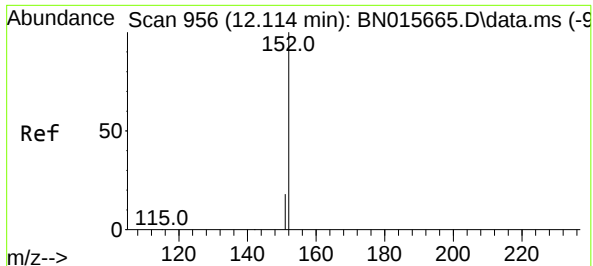
Tgt Ion:	82	Resp:	16494
Ion	Ratio	Lower	Upper
82	100		
128	40.9	31.2	46.8
54	48.8	40.2	60.4



#9
Naphthalene
Concen: 0.15 ng
RT: 10.572 min Scan# 746
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

Tgt Ion:	128	Resp:	25414
Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.8	13.2
127	13.1	10.2	15.4

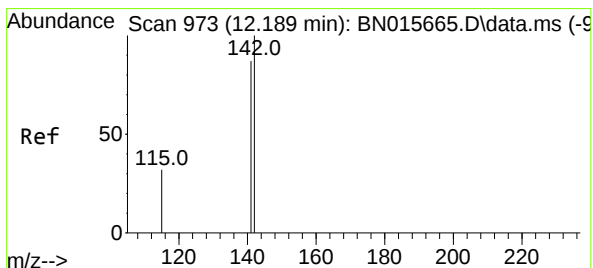
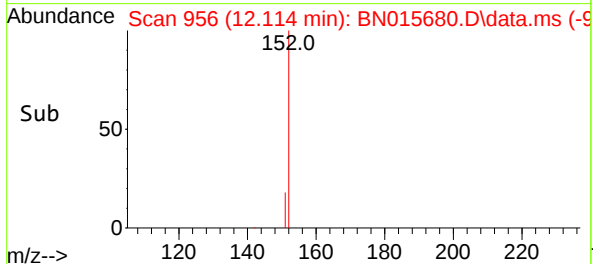
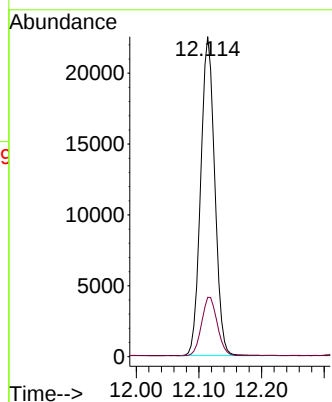
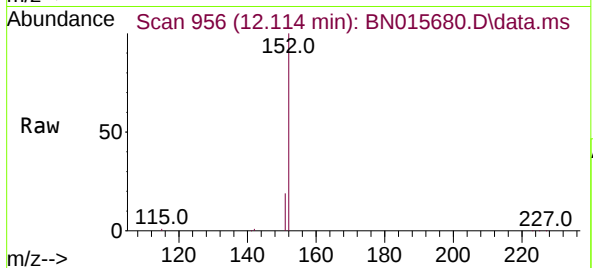




#11
2-Methylnaphthalene-d10
Concen: 0.37 ng
RT: 12.114 min Scan# 956
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

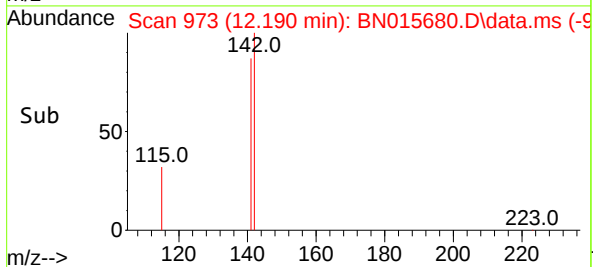
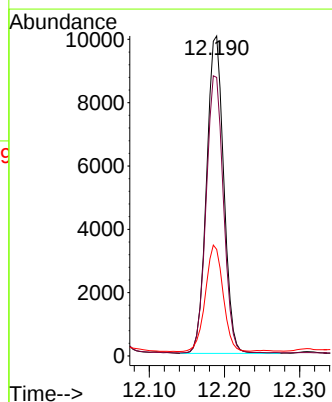
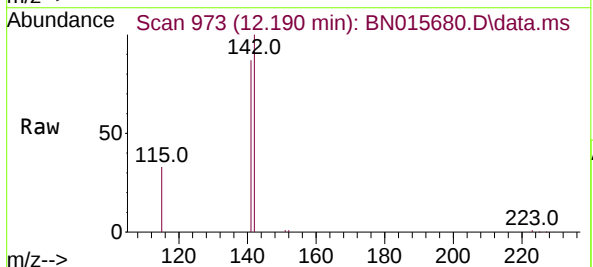
Instrument :
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ClientSampleId :
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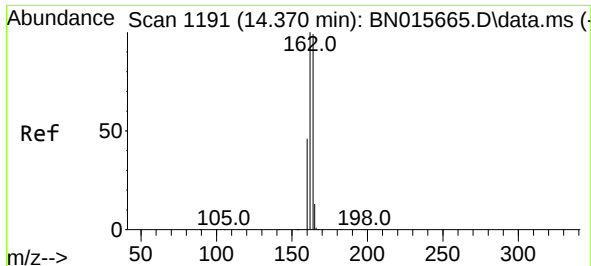
Tgt Ion:152 Resp: 34893
Ion Ratio Lower Upper
152 100
151 20.5 16.4 24.6



#12
2-Methylnaphthalene
Concen: 0.14 ng
RT: 12.190 min Scan# 973
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

Tgt Ion:142 Resp: 15879
Ion Ratio Lower Upper
142 100
141 87.0 69.5 104.3
115 33.3 26.1 39.1

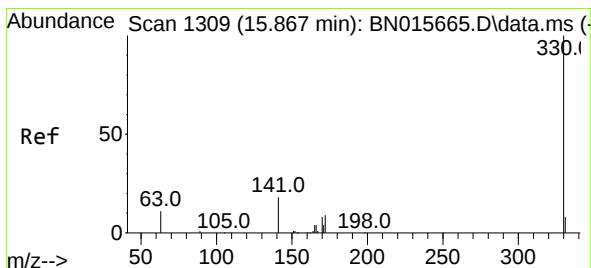
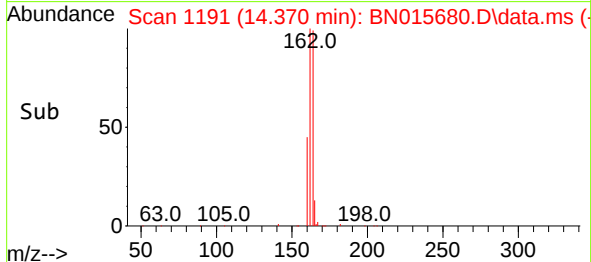
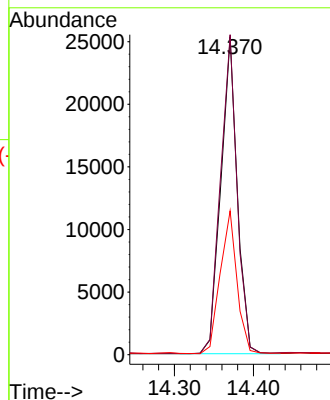
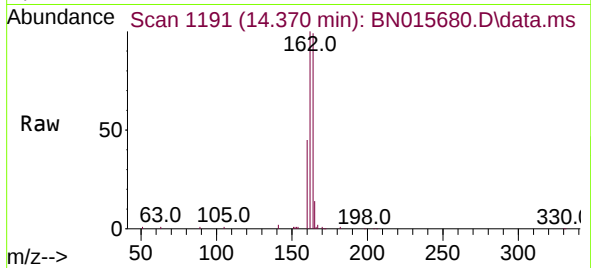




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.370 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

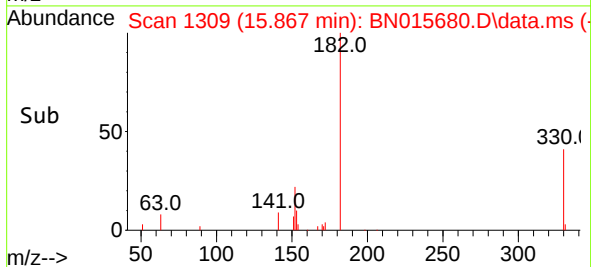
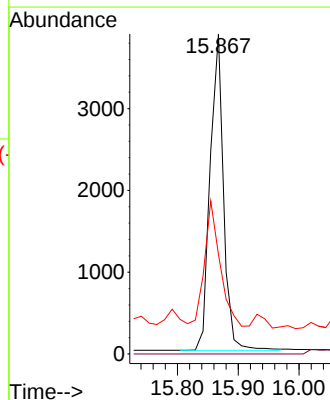
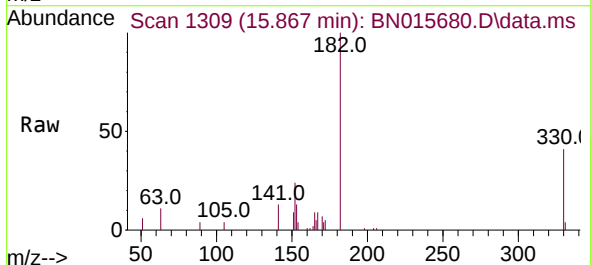
Instrument :
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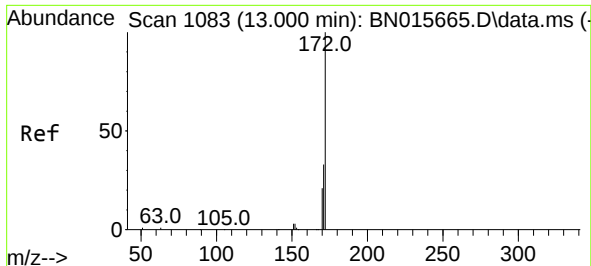
Tgt Ion:164 Resp: 36660
Ion Ratio Lower Upper
164 100
162 100.6 80.6 120.8
160 45.2 37.0 55.4



#14
2,4,6-Tribromophenol
Concen: 0.52 ng
RT: 15.867 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

Tgt Ion:330 Resp: 5935
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 45.8 28.7 43.1#

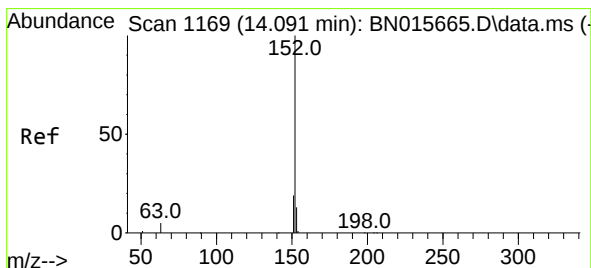
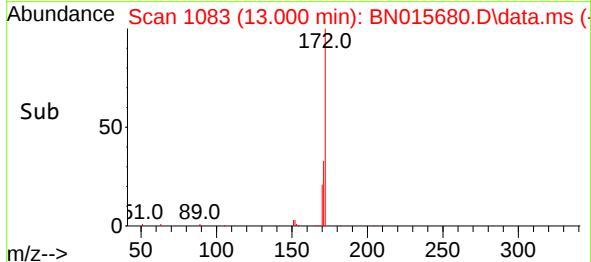
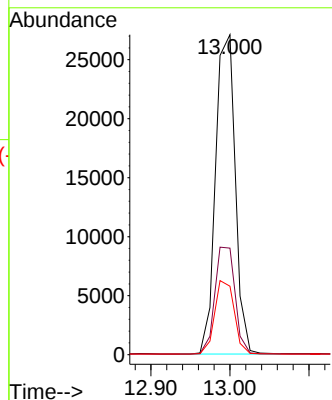
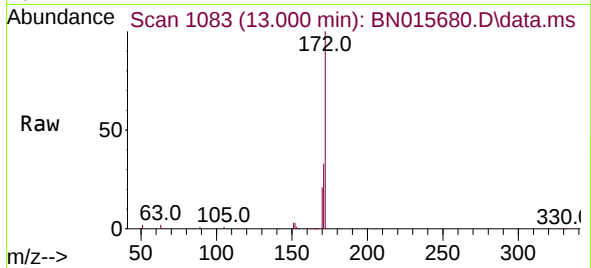




#15
2-Fluorobiphenyl
Concen: 0.31 ng
RT: 13.000 min Scan# 1083
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

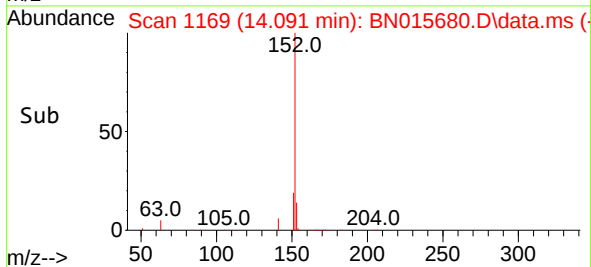
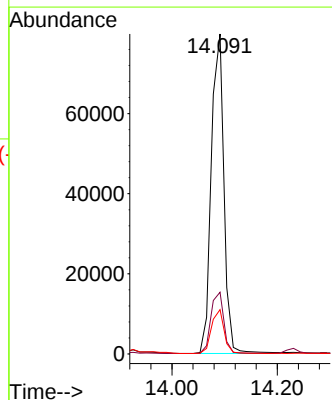
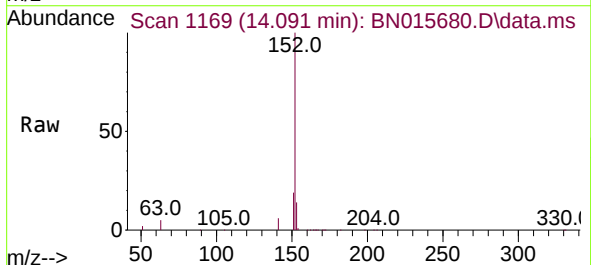
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BNA_N
ClientSampleId :
STOCK-PILE-2

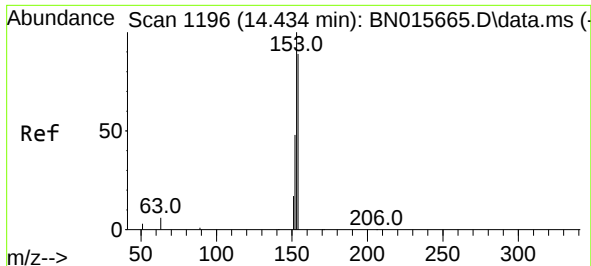
Tgt Ion:172 Resp: 47017
Ion Ratio Lower Upper
172 100
171 33.3 26.6 40.0
170 21.4 17.2 25.8



#16
Acenaphthylene
Concen: 0.87 ng
RT: 14.091 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

Tgt Ion:152 Resp: 132790
Ion Ratio Lower Upper
152 100
151 19.7 15.4 23.2
153 13.7 10.3 15.5

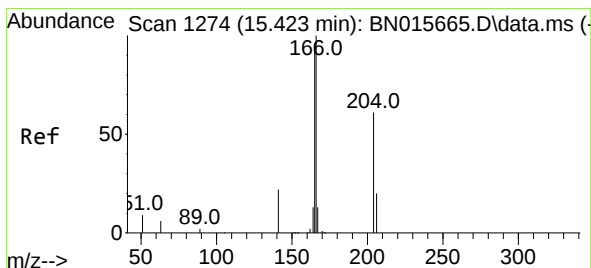
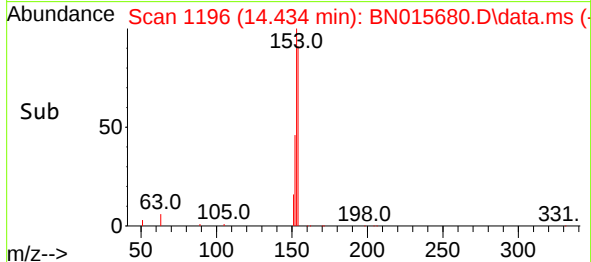
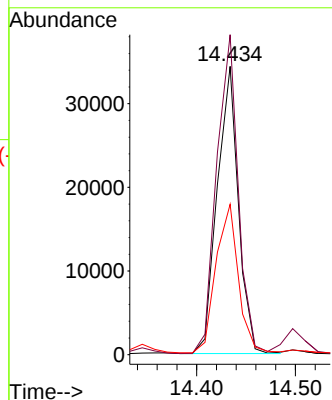
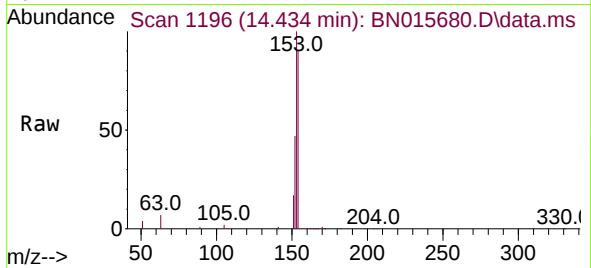




#17
Acenaphthene
Concen: 0.48 ng
RT: 14.434 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

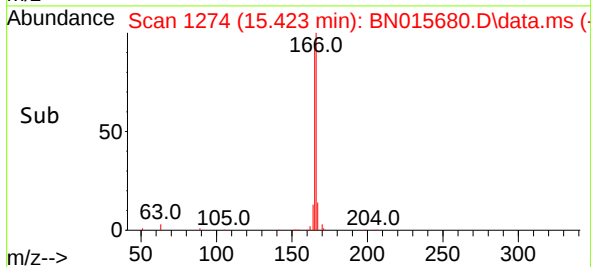
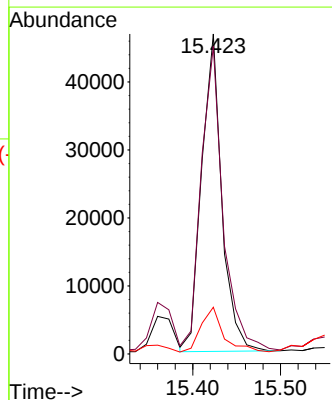
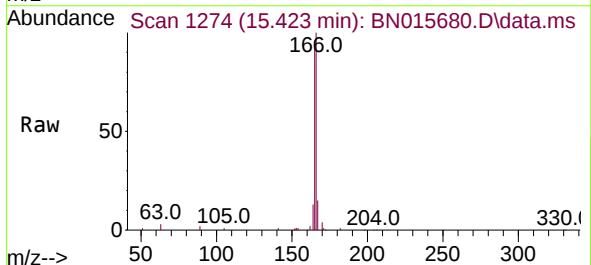
Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-2

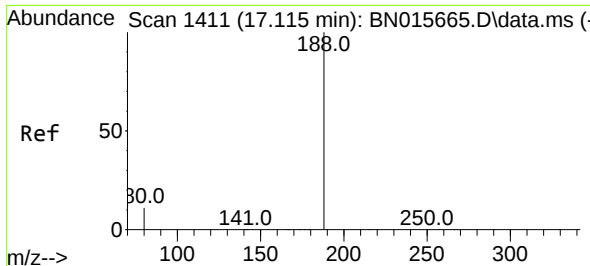
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Ion Ratio Lower Upper
154 100
153 113.4 90.6 136.0
152 54.8 44.6 67.0



#18
Fluorene
Concen: 0.59 ng
RT: 15.423 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

Tgt Ion:166 Resp: 74463
Ion Ratio Lower Upper
166 100
165 103.8 78.3 117.5
167 15.8 10.8 16.2

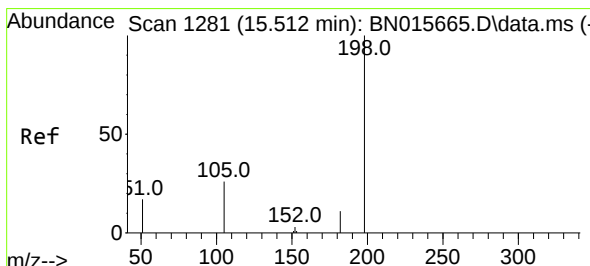
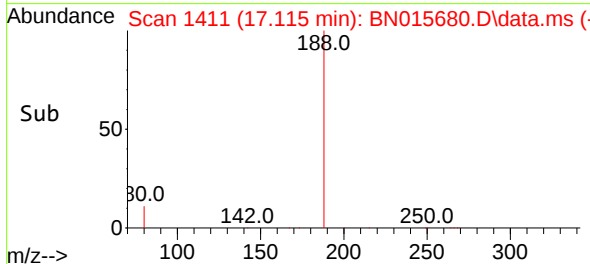
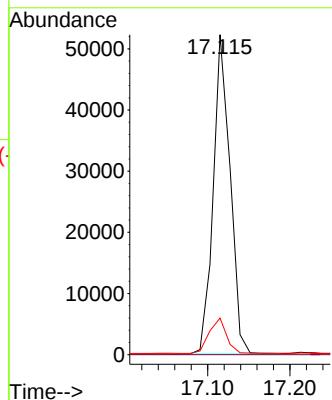
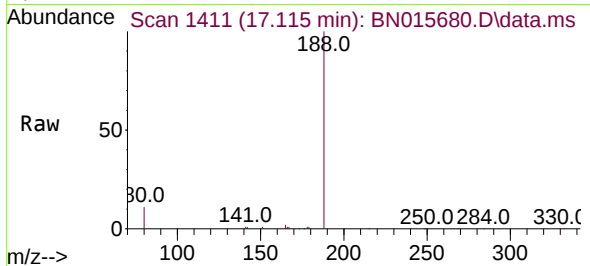




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.115 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

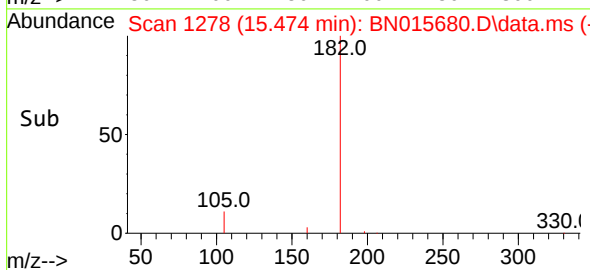
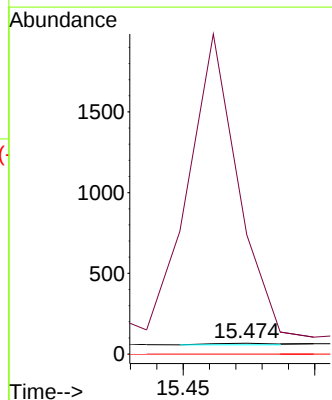
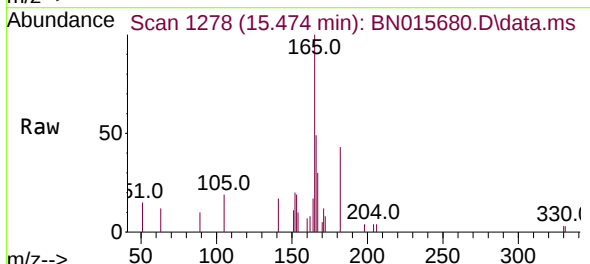
Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-2

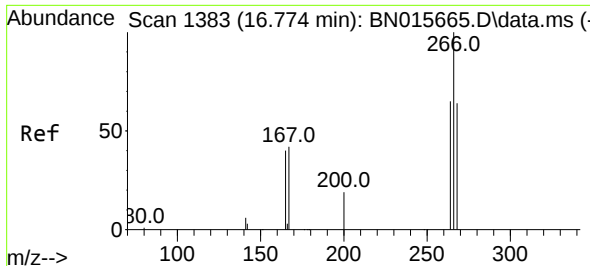
Tgt Ion:188	Resp:	74111
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0
80	11.4	9.2 13.8



#20
4,6-Dinitro-2-methylphenol
Concen: 0.20 ng
RT: 15.474 min Scan# 1278
Delta R.T. -0.038 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

Tgt Ion:198	Resp:	17
Ion Ratio	Lower	Upper
198	100	
182	1103.0	17.2 25.8#
77	0.0	0.0 0.0

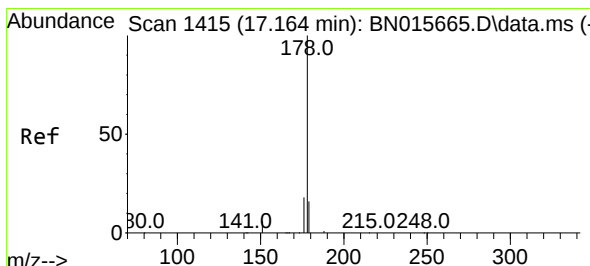
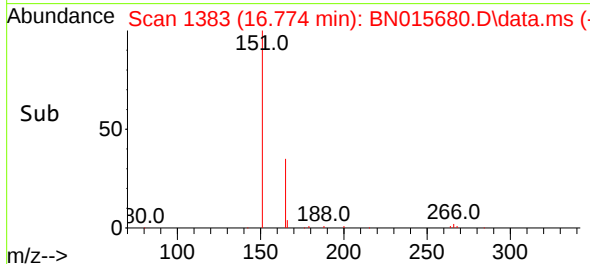
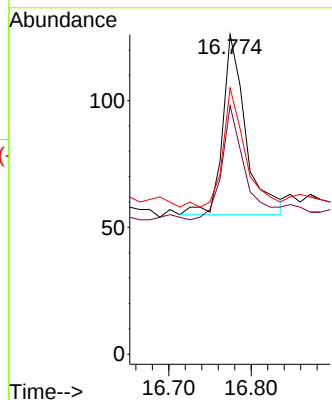
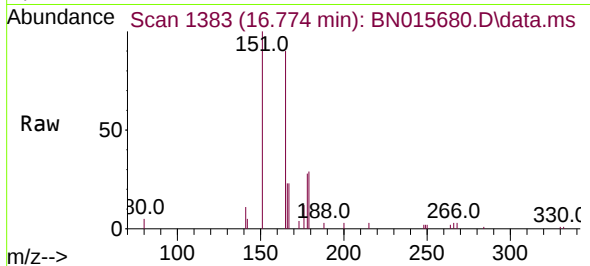




#24
Pentachlorophenol
Concen: 0.15 ng
RT: 16.774 min Scan# 1383
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

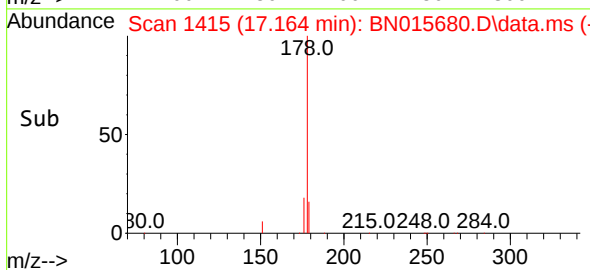
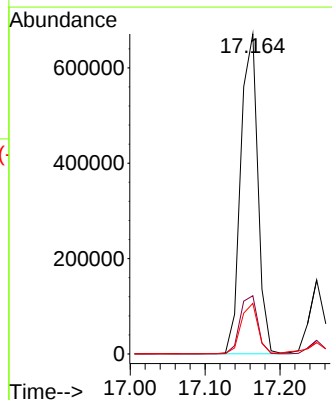
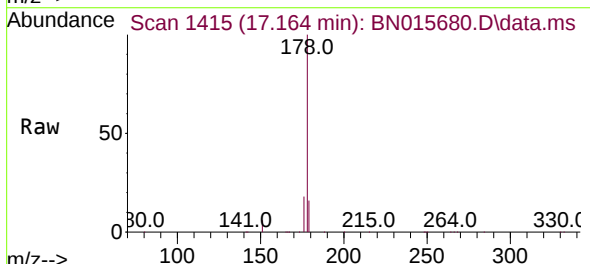
Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-2

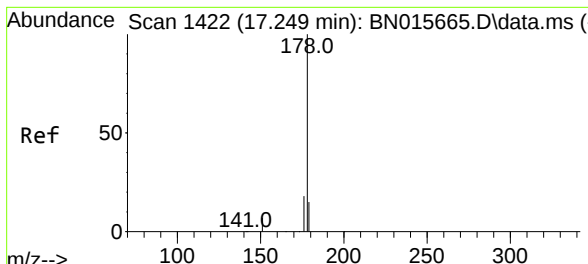
Tgt Ion:	266	Resp:	139
Ion	Ratio	Lower	Upper
266	100		
264	73.4	51.0	76.4
268	63.3	51.8	77.8



#25
Phenanthrene
Concen: 4.77 ng
RT: 17.164 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

Tgt Ion:	178	Resp:	1066207
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.7	12.4	18.6

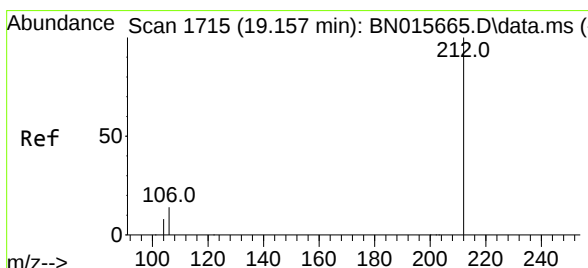
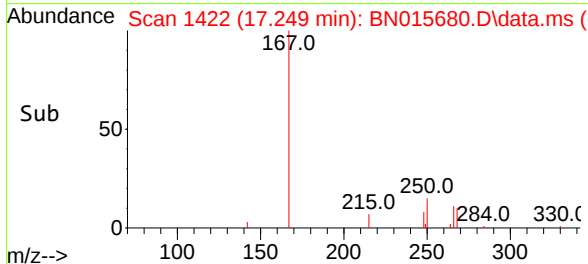
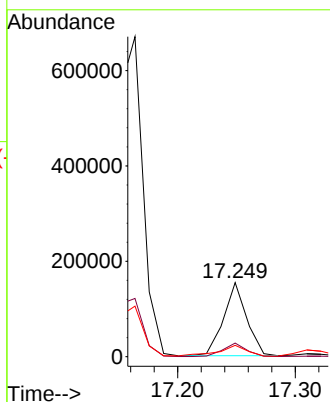
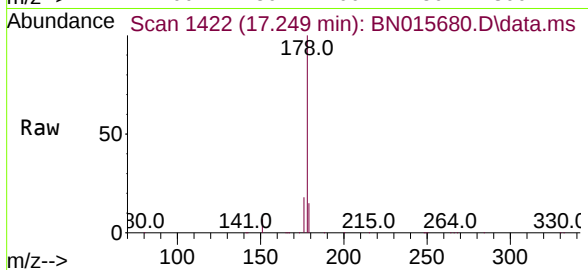




#26
 Anthracene
 Concen: 1.12 ng
 RT: 17.249 min Scan# 1422
 Delta R.T. 0.000 min
 Lab File: BN015680.D
 Acq: 23 Jul 2021 22:45

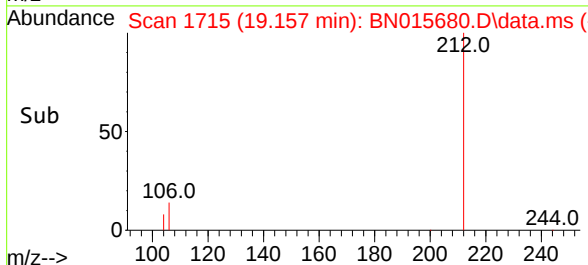
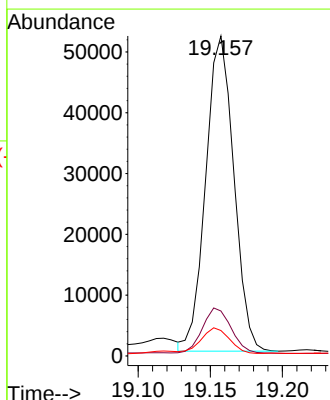
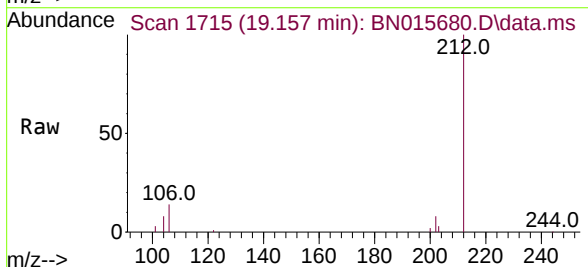
Instrument :
 BNA_N
 ClientSampleId :
 STOCK-PILE-2

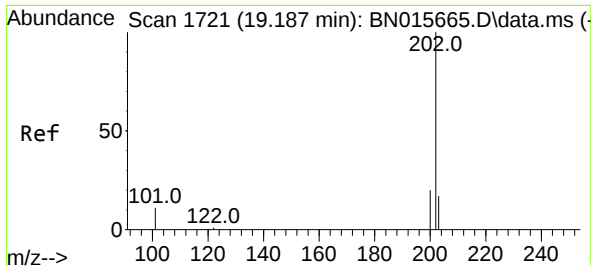
Tgt Ion:	178	Resp:	208698
Ion Ratio	Lower	Upper	
178	100		
176	18.2	14.6	21.8
179	17.3	12.2	18.2



#27
 Fluoranthene-d10
 Concen: 0.36 ng
 RT: 19.157 min Scan# 1715
 Delta R.T. 0.000 min
 Lab File: BN015680.D
 Acq: 23 Jul 2021 22:45

Tgt Ion:	212	Resp:	70277
Ion Ratio	Lower	Upper	
212	100		
106	14.8	11.5	17.3
104	8.3	6.2	9.4

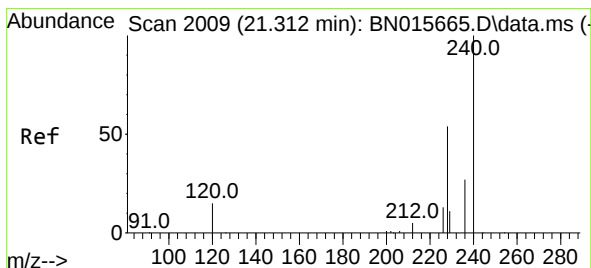
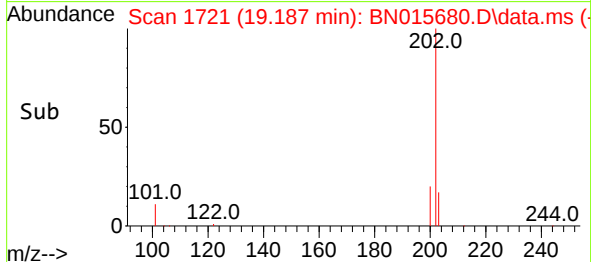
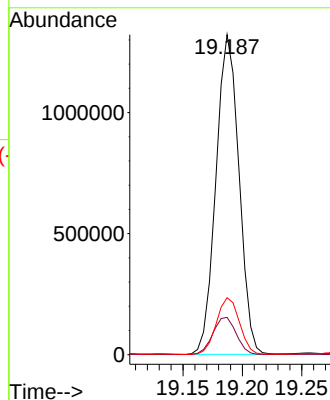
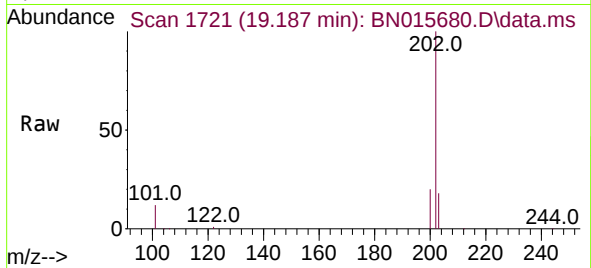




#28
Fluoranthene
Concen: 7.37 ng
RT: 19.187 min Scan# 1721
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

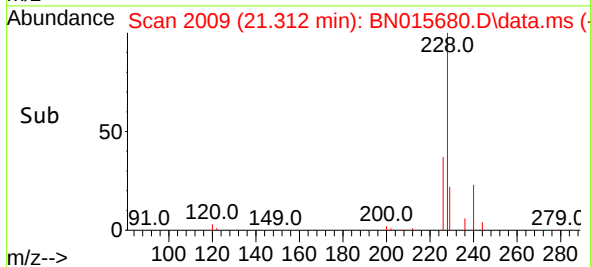
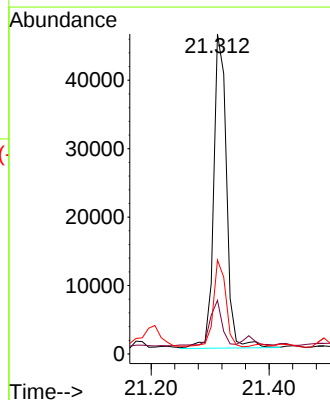
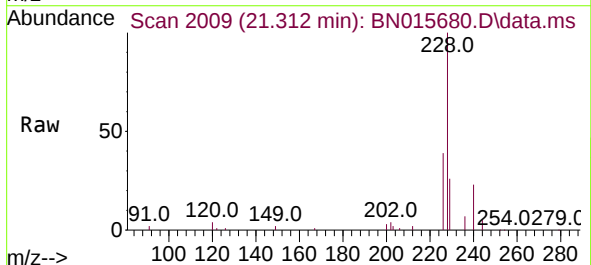
Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-2

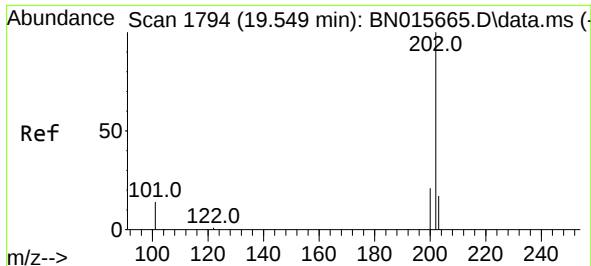
Tgt Ion:202 Resp: 1778515
Ion Ratio Lower Upper
202 100
101 11.8 9.5 14.3
203 17.8 13.8 20.6



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.312 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

Tgt Ion:240 Resp: 69520
Ion Ratio Lower Upper
240 100
120 16.8 12.2 18.4
236 29.3 21.5 32.3

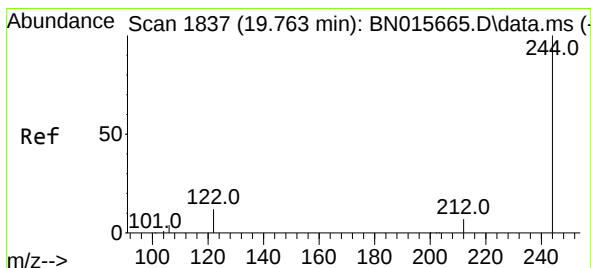
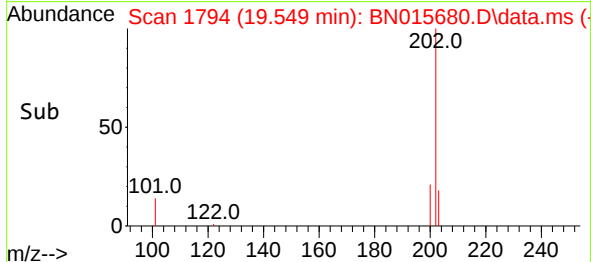
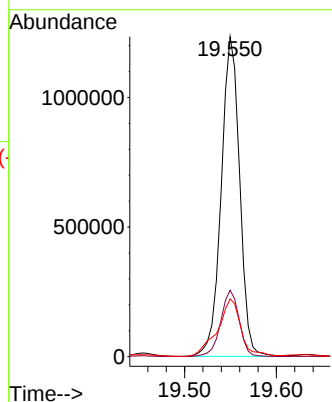
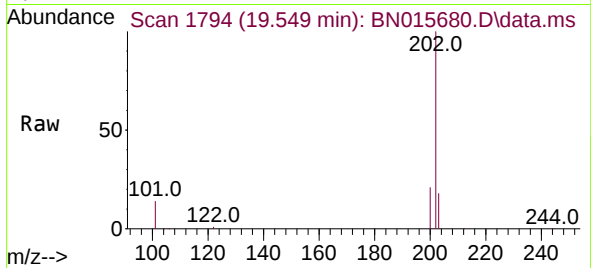




#30
Pyrene
Concen: 6.90 ng
RT: 19.549 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

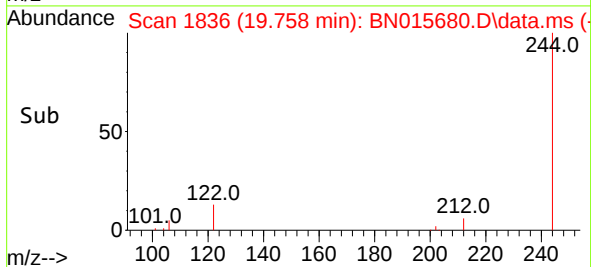
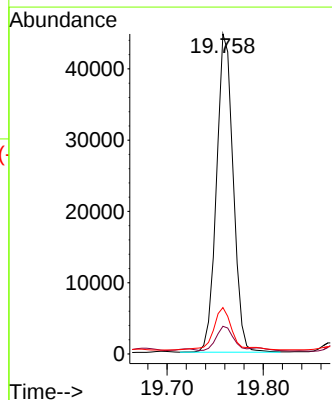
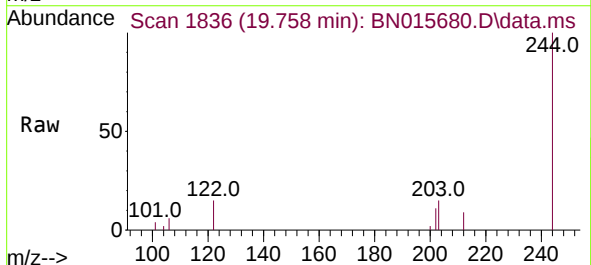
Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-2

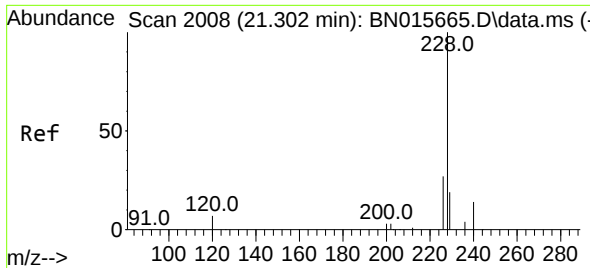
Tgt Ion:202 Resp: 1722034
Ion Ratio Lower Upper
202 100
200 20.8 16.4 24.6
203 22.6 13.9 20.9#



#31
Terphenyl-d14
Concen: 0.33 ng
RT: 19.758 min Scan# 1836
Delta R.T. -0.005 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

Tgt Ion:244 Resp: 53916
Ion Ratio Lower Upper
244 100
212 8.6 6.1 9.1
122 14.5 10.1 15.1

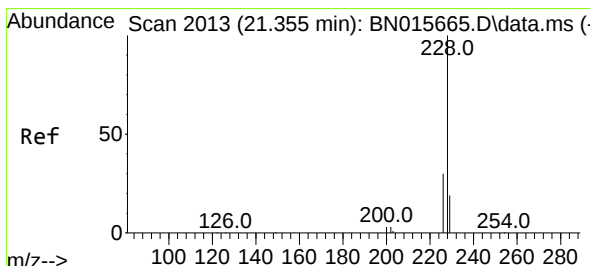
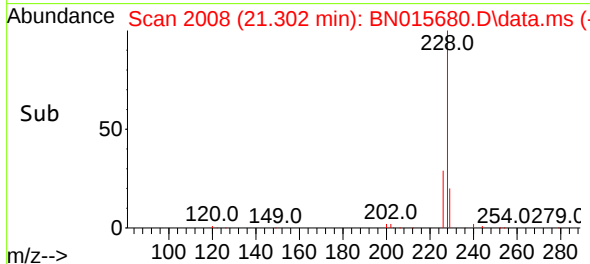
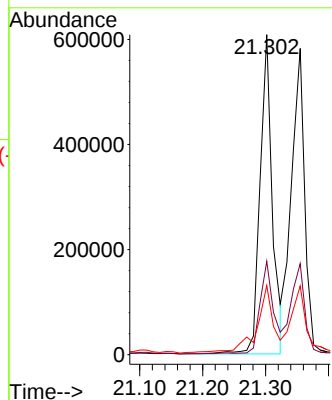
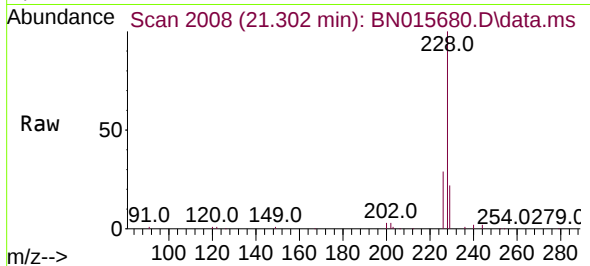




#32
Benzo(a)anthracene
Concen: 3.79 ng
RT: 21.302 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

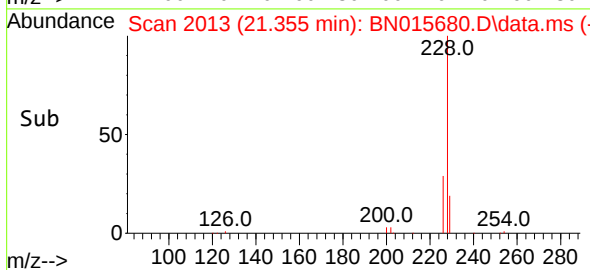
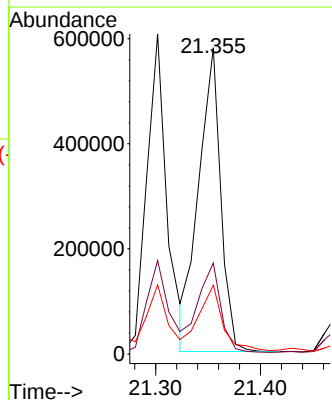
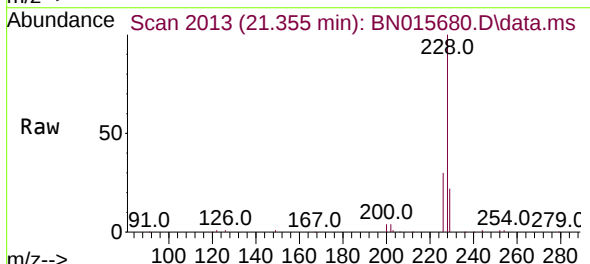
Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-2

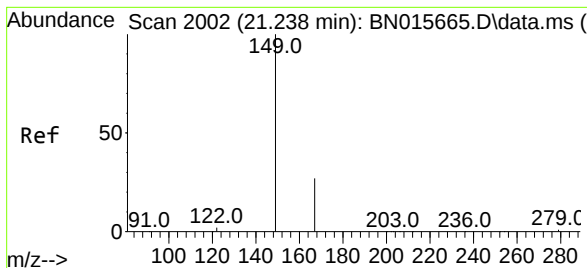
Tgt Ion:228	Resp: 824808
Ion Ratio	Lower Upper
228 100	
226 29.2	21.4 32.0
229 21.6	15.5 23.3



#33
Chrysene
Concen: 3.49 ng
RT: 21.355 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

Tgt Ion:228	Resp: 843243
Ion Ratio	Lower Upper
228 100	
226 29.7	23.5 35.3
229 22.5	15.6 23.4

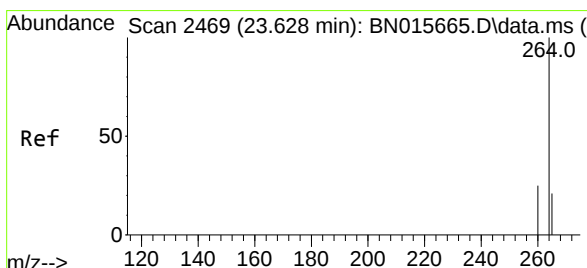
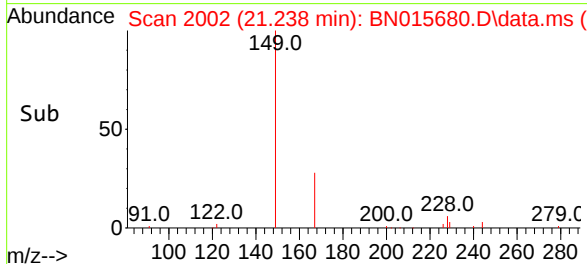
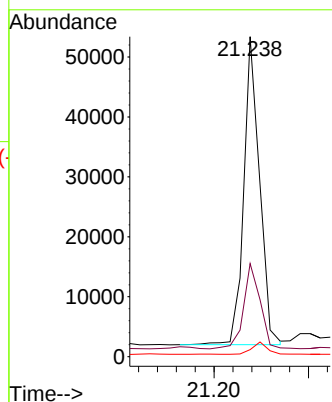
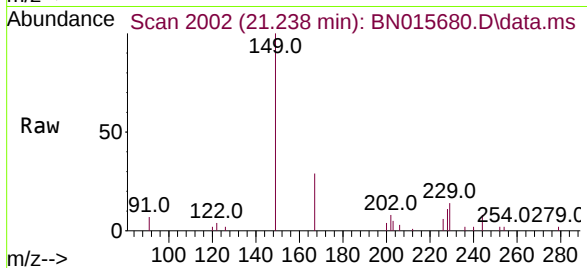




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.77 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

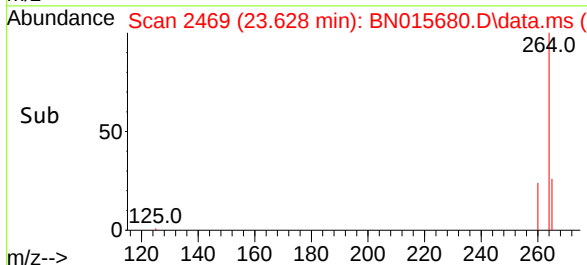
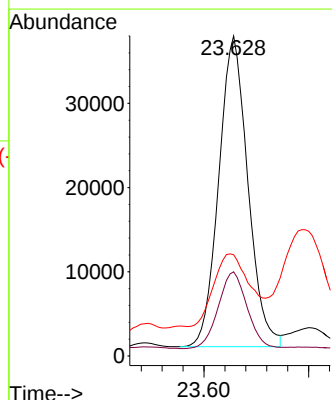
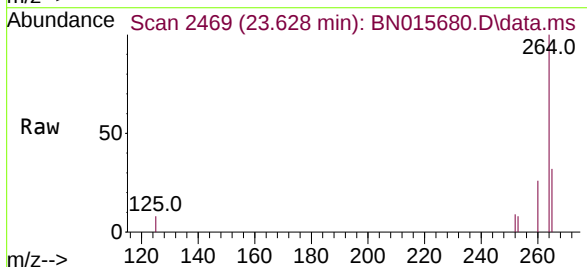
Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-2

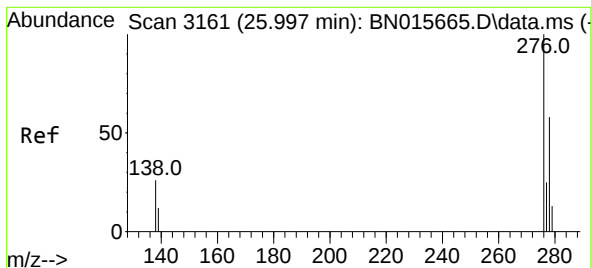
Tgt Ion:149 Resp: 59647
Ion Ratio Lower Upper
149 100
167 29.1 22.2 33.4
279 3.7 2.8 4.2



#35
Perylene-d12
Concen: 0.40 ng
RT: 23.628 min Scan# 2469
Delta R.T. 0.000 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

Tgt Ion:264 Resp: 71188
Ion Ratio Lower Upper
264 100
260 26.3 19.8 29.8
265 31.6 20.0 30.0#

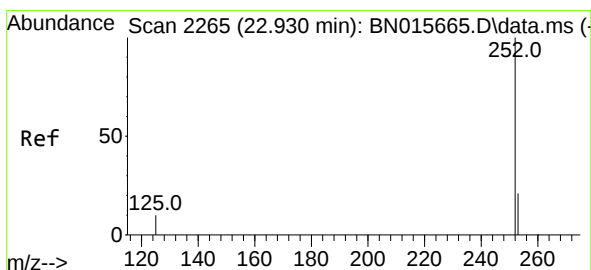
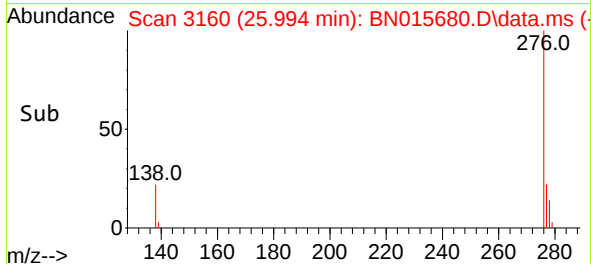
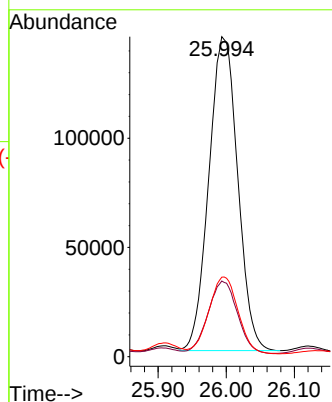
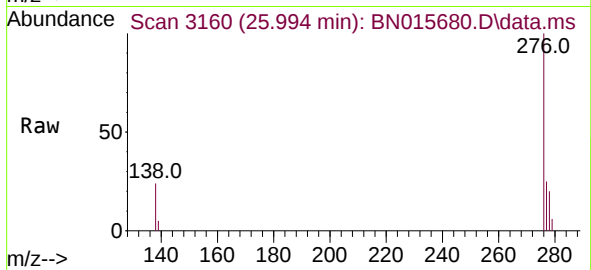




#36
Indeno(1,2,3-cd)pyrene
Concen: 1.64 ng
RT: 25.994 min Scan# 3160
Delta R.T. -0.003 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

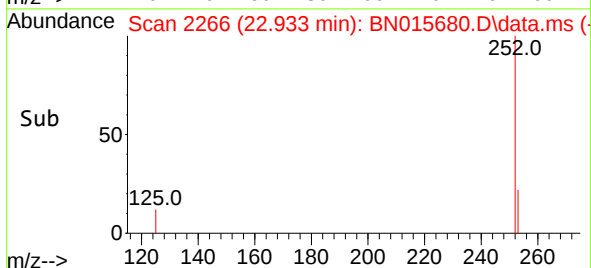
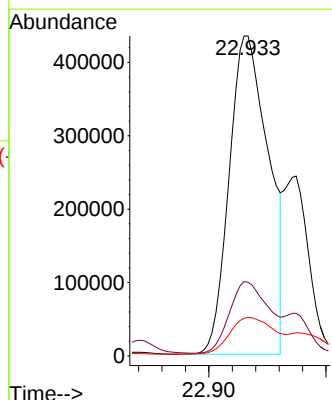
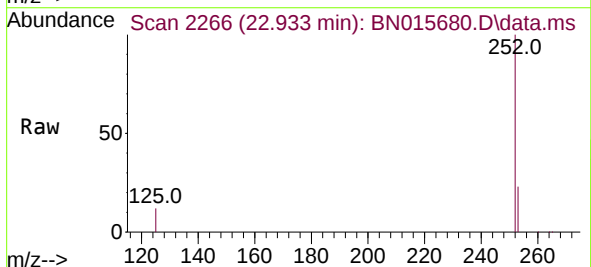
Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-2

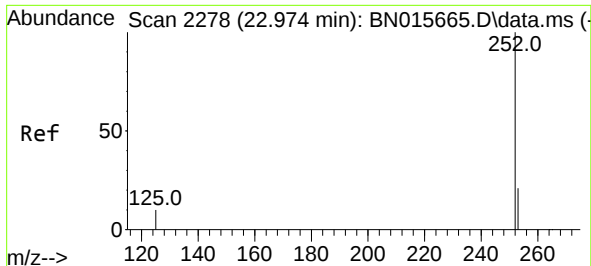
Tgt Ion:276 Resp: 423022
Ion Ratio Lower Upper
276 100
138 23.4 21.8 32.6
277 24.9 19.9 29.9



#37
Benzo(b)fluoranthene
Concen: 3.78 ng
RT: 22.933 min Scan# 2266
Delta R.T. 0.004 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

Tgt Ion:252 Resp: 1013110
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 12.1 8.8 13.2





#38

Benzo(k)fluoranthene

Concen: 3.78 ng

RT: 22.933 min Scan# 2266

Delta R.T. -0.041 min

Lab File: BN015680.D

Acq: 23 Jul 2021 22:45

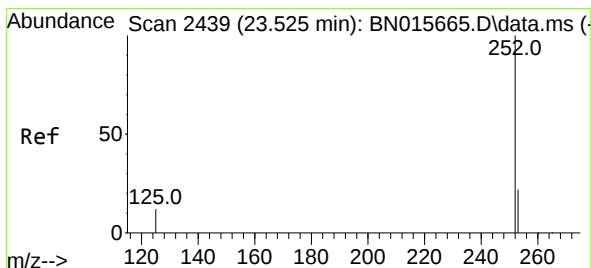
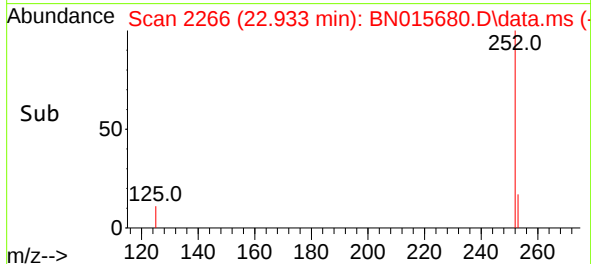
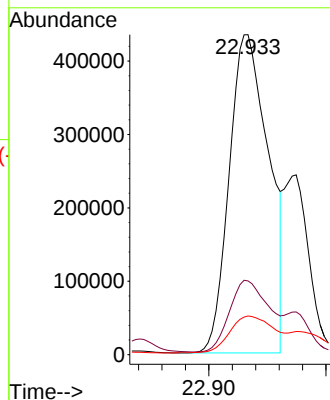
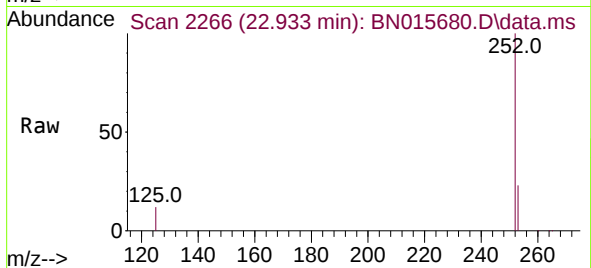
Tgt Ion:252 Resp: 1013110

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 12.1 8.8 13.2



#39

Benzo(a)pyrene

Concen: 3.48 ng

RT: 23.526 min Scan# 2439

Delta R.T. 0.000 min

Lab File: BN015680.D

Acq: 23 Jul 2021 22:45

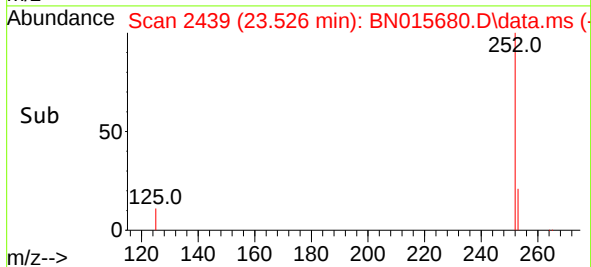
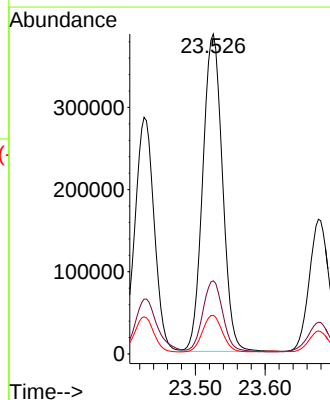
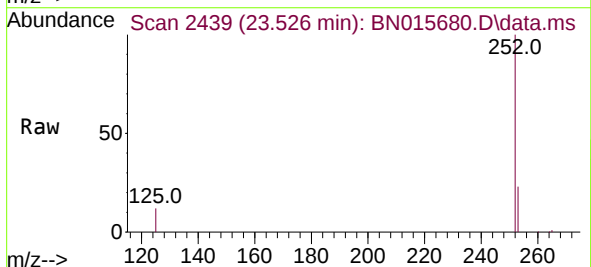
Tgt Ion:252 Resp: 754615

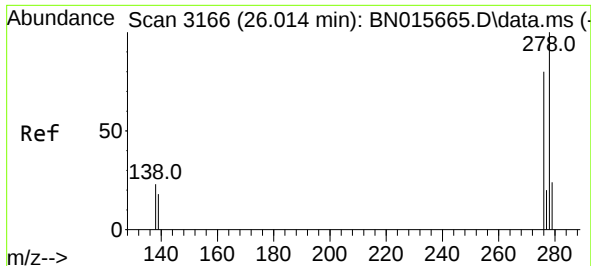
Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

125 12.0 10.4 15.6

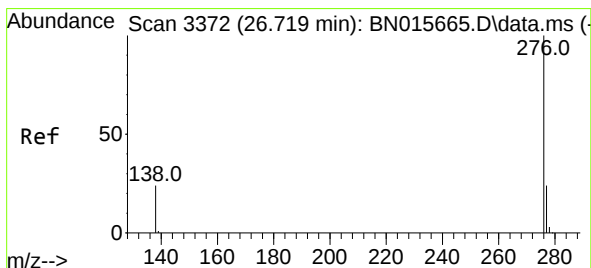
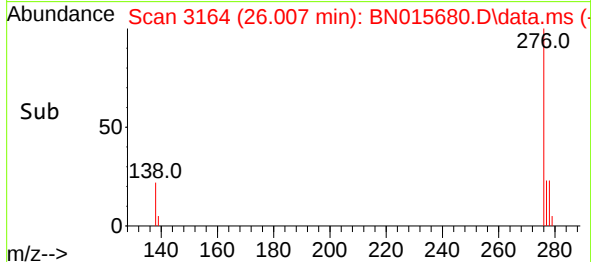
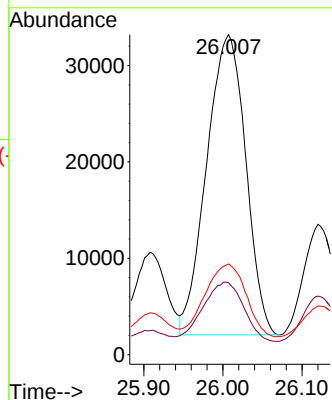
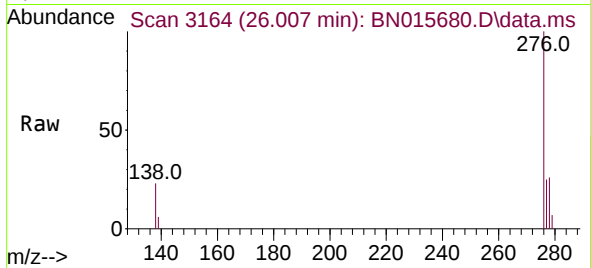




#40
Dibenzo(a,h)anthracene
Concen: 0.53 ng
RT: 26.007 min Scan# 3164
Delta R.T. -0.007 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

Instrument :
BNA_N
ClientSampleId :
STOCK-PILE-2

Tgt Ion:278 Resp: 106878
Ion Ratio Lower Upper
278 100
139 22.4 14.6 22.0#
279 28.3 19.3 28.9



#41
Benzo(g,h,i)perylene
Concen: 1.79 ng
RT: 26.726 min Scan# 3374
Delta R.T. 0.007 min
Lab File: BN015680.D
Acq: 23 Jul 2021 22:45

Tgt Ion:276 Resp: 421683
Ion Ratio Lower Upper
276 100
277 24.6 19.1 28.7
138 24.1 19.1 28.7

