

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110520\
 Data File : BN012506.D
 Acq On : 05 Nov 2020 18:12
 Operator : CG/JU
 Sample : L4548-12DL 50X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILD

Quant Time: Nov 06 00:56:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN110420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 05 05:46:47 2020
 Response via : Initial Calibration

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

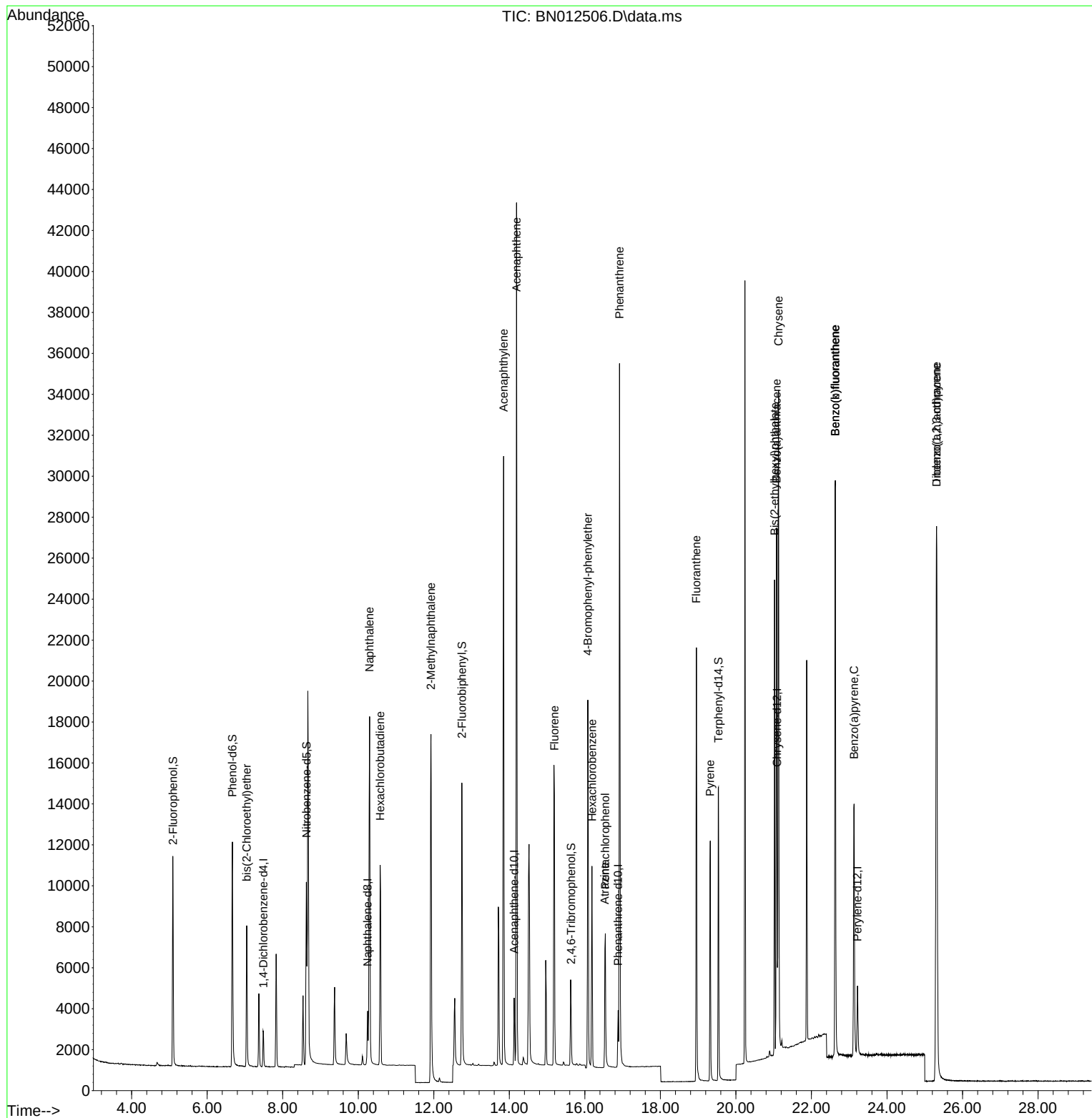
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.490	152	835	0.40	ng	0.00
7) Naphthalene-d8	10.250	136	3326	0.40	ng	# 0.00
13) Acenaphthene-d10	14.128	164	1800	0.40	ng	-0.01
19) Phenanthrene-d10	16.883	188	3719	0.40	ng	# 0.00
29) Chrysene-d12	21.089	240	3883	0.40	ng	#-0.01
36) Perylene-d12	23.220	264	4249	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.098	112	6445	2.21	ng	0.00
5) Phenol-d6	6.668	99	8030	2.35	ng	0.00
8) Nitrobenzene-d5	8.628	82	6807	1.73	ng	-0.01
11) 2-Methylnaphthalene-d10	11.842	152	2	0.00	ng	-0.01
14) 2,4,6-Tribromophenol	15.638	330	2947	2.25	ng	0.00
15) 2-Fluorobiphenyl	12.745	172	11935	1.70	ng	-0.01
27) Fluoranthene-d10	18.933	212	6	0.00	ng	0.00
31) Terphenyl-d14	19.539	244	15792	1.71	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	7.047	93	211	0.09	ng	# 1
9) Naphthalene	10.301	128	22883	2.45	ng	96
10) Hexachlorobutadiene	10.580	225	7675	3.77	ng	# 100
12) 2-Methylnaphthalene	11.926	142	12930	2.15	ng	# 91
16) Acenaphthylene	13.849	152	31815	3.53	ng	100
17) Acenaphthene	14.192	154	18467	3.22	ng	91
18) Fluorene	15.194	166	10095	1.38	ng	98
21) 4-Bromophenyl-phenylether	16.080	248	7460	3.47	ng	# 73
22) Hexachlorobenzene	16.189	284	6218	2.22	ng	# 84
23) Atrazine	16.530	200	636	0.28	ng	# 56
24) Pentachlorophenol	16.542	266	3458	2.64	ng	98
25) Phenanthrene	16.919	178	34853	3.17	ng	98
28) Fluoranthene	18.953	202	20685	1.58	ng	100
30) Pyrene	19.320	202	11100	0.85	ng	99
32) Benzo(a)anthracene	21.078	228	21047	1.70	ng	98
33) Chrysene	21.131	228	29536	2.28	ng	98
34) Bis(2-ethylhexyl)phtha...	21.025	149	18186	2.17	ng	91
35) Indeno(1,2,3-cd)pyrene	25.315	276	51723	2.66	ng	# 93
37) Benzo(b)fluoranthene	22.631	252	34702	2.56	ng	# 95
38) Benzo(k)fluoranthene	22.631	252	34702	2.40	ng	# 96
39) Benzo(a)pyrene	23.128	252	17483	1.32	ng	97
40) Dibenzo(a,h)anthracene	25.312	278	1424	0.09	ng	# 70

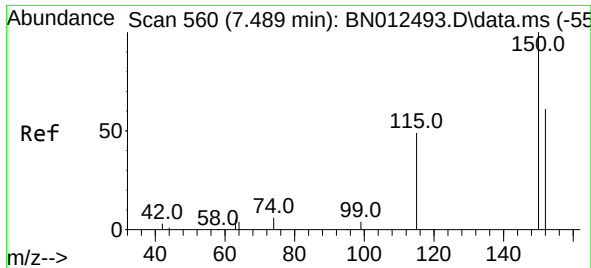
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110520\
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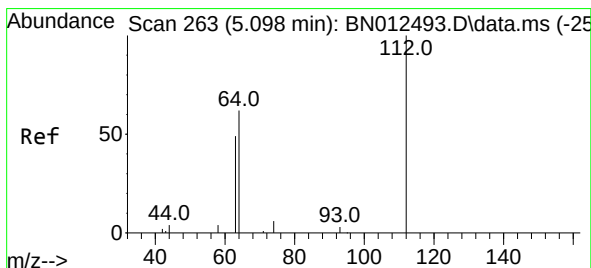
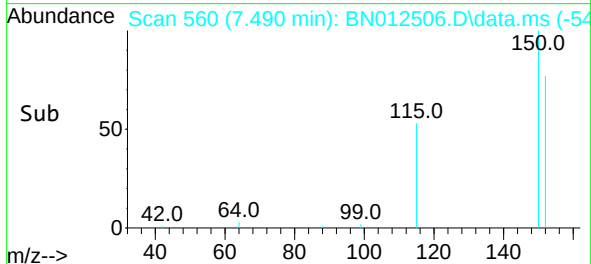
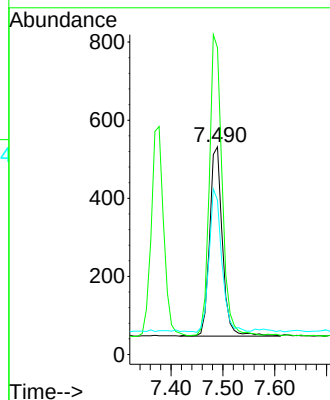
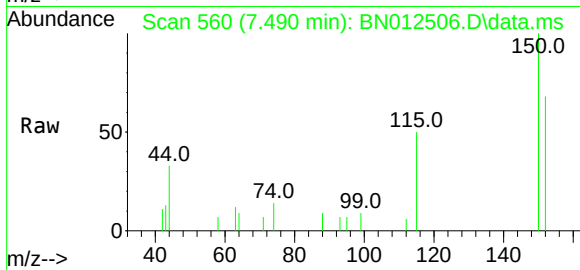


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.490 min Scan# 560
 Delta R.T. 0.001 min
 Lab File: BN012506.D
 Acq: 05 Nov 2020 18:12

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILDL

Tgt Ion:152 Resp: 835

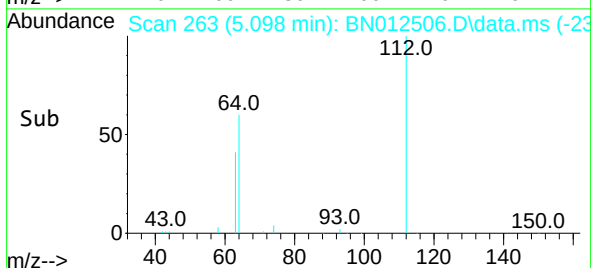
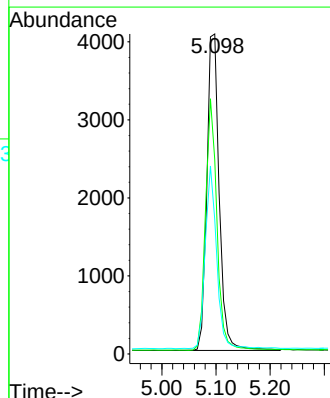
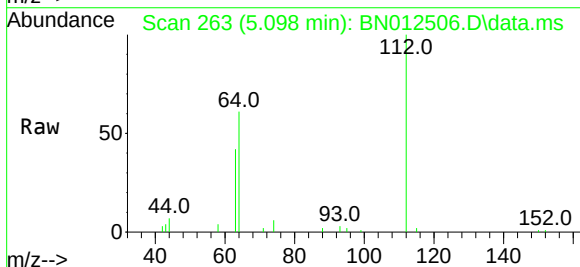
Ion	Ratio	Lower	Upper
152	100		
150	147.7	116.6	174.8
115	74.2	52.9	79.3

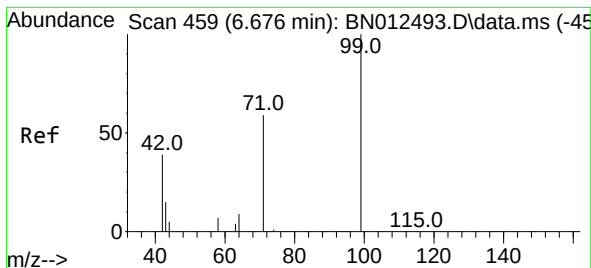


#4
 2-Fluorophenol
 Concen: 2.21 ng
 RT: 5.098 min Scan# 263
 Delta R.T. 0.000 min
 Lab File: BN012506.D
 Acq: 05 Nov 2020 18:12

Tgt Ion:112 Resp: 6445

Ion	Ratio	Lower	Upper
112	100		
64	74.0	49.5	74.3
63	53.4	32.0	48.0





#5

Phenol-d6

Concen: 2.35 ng

RT: 6.668 min Scan# 458

Delta R.T. -0.008 min

Lab File: BN012506.D

Acq: 05 Nov 2020 18:12

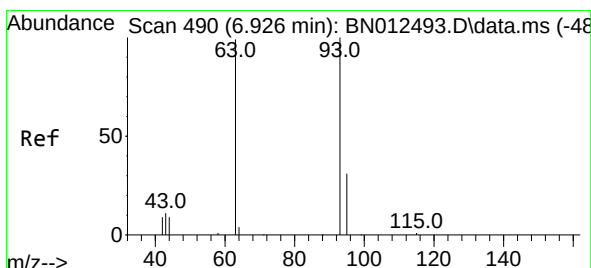
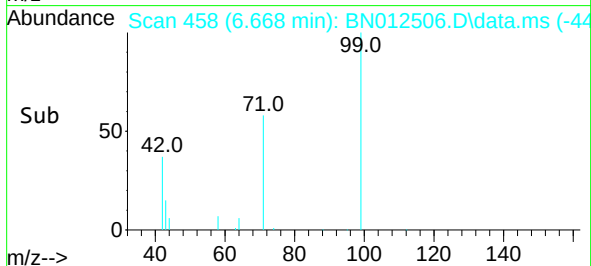
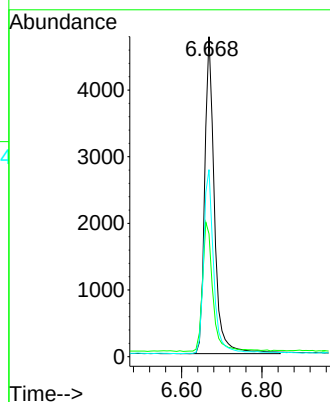
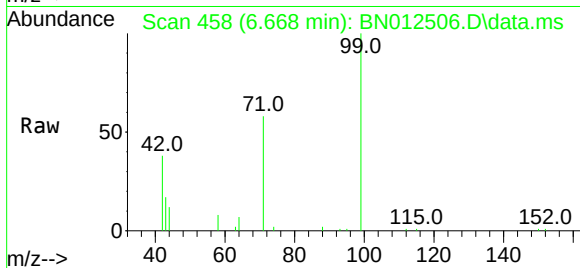
Tgt Ion:	99	Resp:	8030
Ion	Ratio	Lower	Upper
99	100		
42	43.2	22.4	33.6#
71	59.7	37.8	56.6#

Instrument :

BNA_N

ClientSampleId :

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#6

bis(2-Chloroethyl)ether

Concen: 0.09 ng

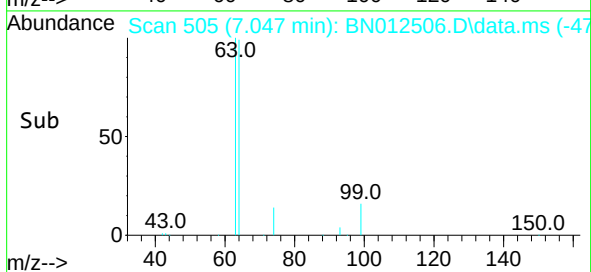
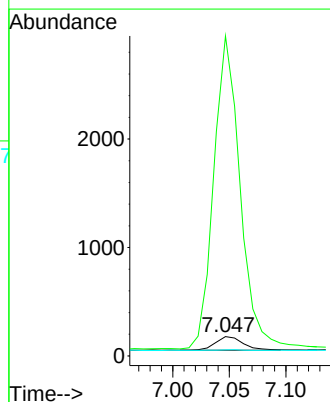
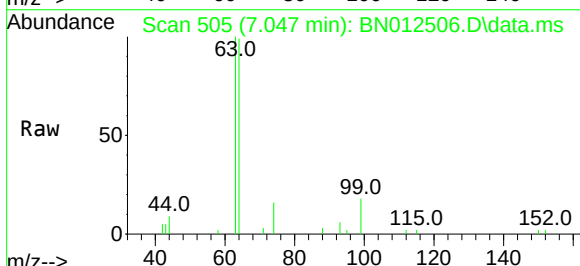
RT: 7.047 min Scan# 505

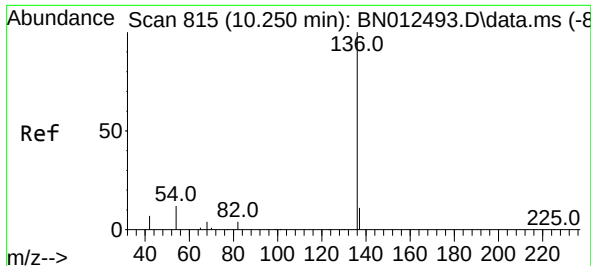
Delta R.T. 0.121 min

Lab File: BN012506.D

Acq: 05 Nov 2020 18:12

Tgt Ion:	93	Resp:	211
Ion	Ratio	Lower	Upper
93	100		
63	2208.1	63.1	94.7#
95	3.8	26.1	39.1#

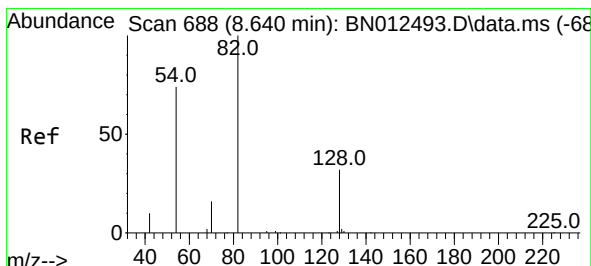
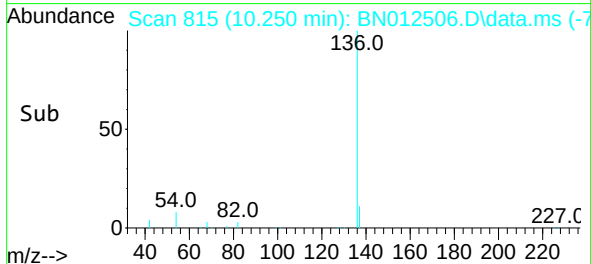
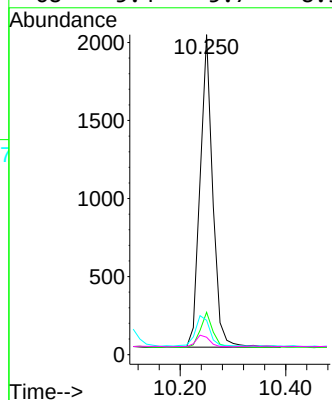
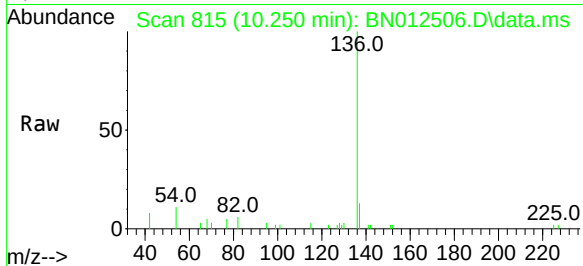




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.250 min Scan# 815
Delta R.T. 0.000 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

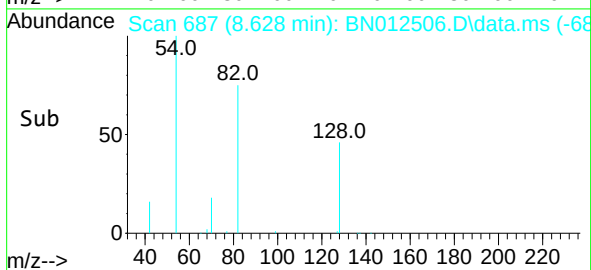
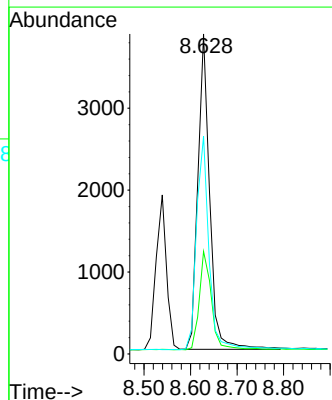
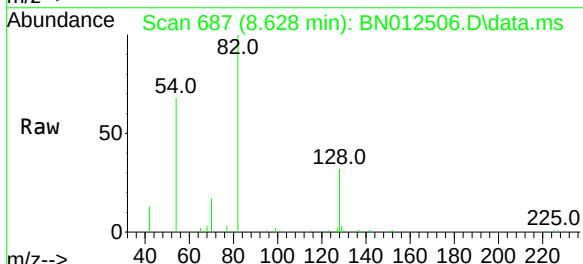
Instrument :
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ClientSampleId :
PT-BNA-SOILDL

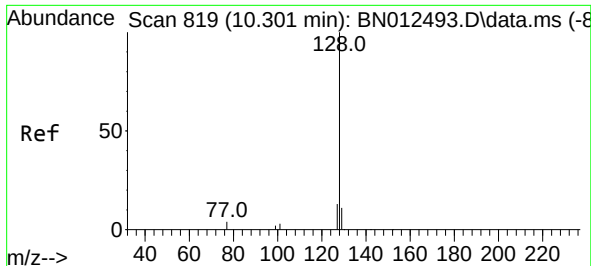
Tgt Ion:	136	Resp:	3326
Ion Ratio	Lower	Upper	
136	100		
137	13.2	10.6	15.8
54	10.7	8.6	12.8
68	5.4	5.7	8.5#



#8
Nitrobenzene-d5
Concen: 1.73 ng
RT: 8.628 min Scan# 687
Delta R.T. -0.013 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

Tgt Ion:	82	Resp:	6807
Ion Ratio	Lower	Upper	
82	100		
128	32.1	30.6	46.0
54	68.1	48.3	72.5

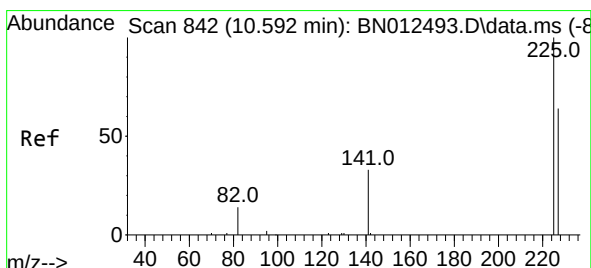
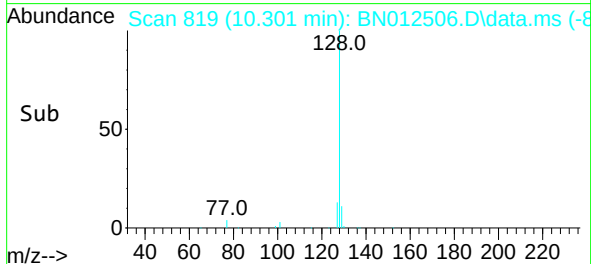
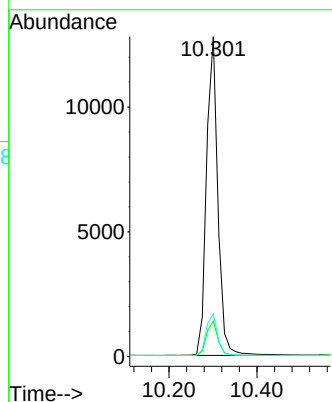
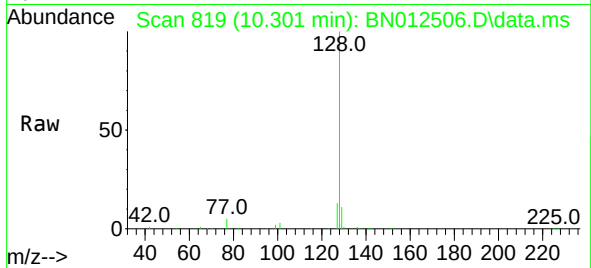




#9
Naphthalene
Concen: 2.45 ng
RT: 10.301 min Scan# 819
Delta R.T. 0.000 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

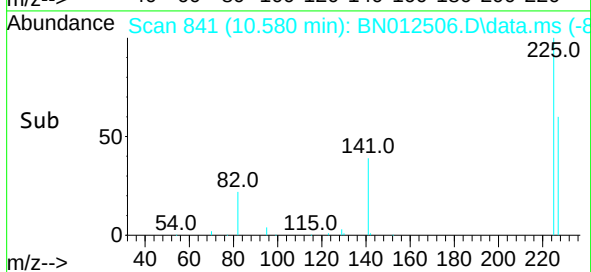
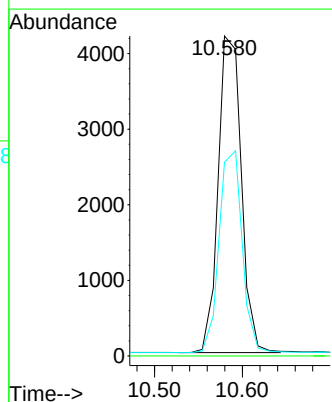
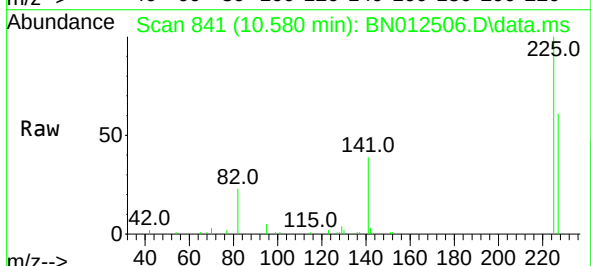
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

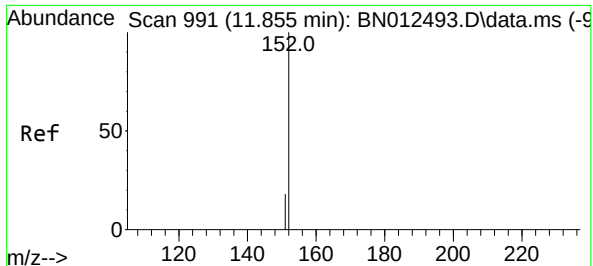
Tgt Ion:	128	Resp:	22883
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.8	14.8
127	13.3	12.2	18.4



#10
Hexachlorobutadiene
Concen: 3.77 ng
RT: 10.580 min Scan# 841
Delta R.T. -0.013 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

Tgt Ion:	225	Resp:	7675
Ion Ratio	Lower	Upper	
225	100		
223	0.0	0.0	0.0
227	63.5	51.0	76.6

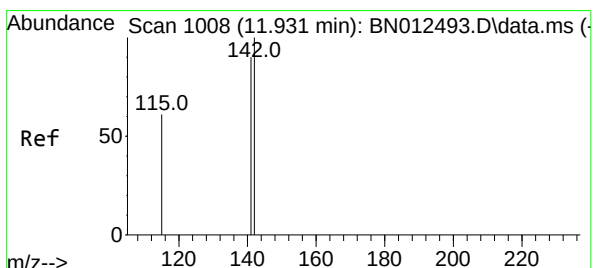
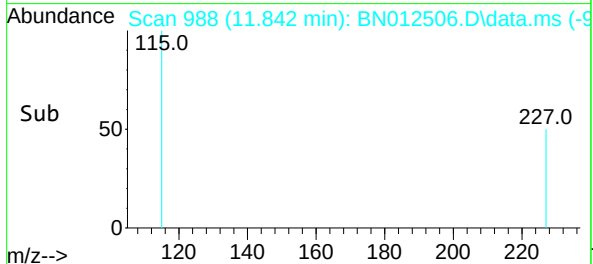
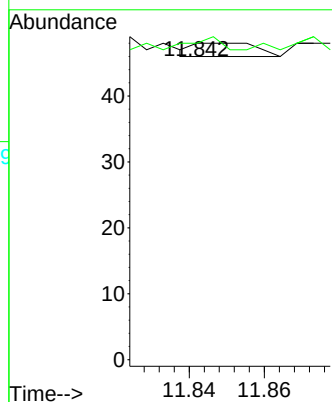
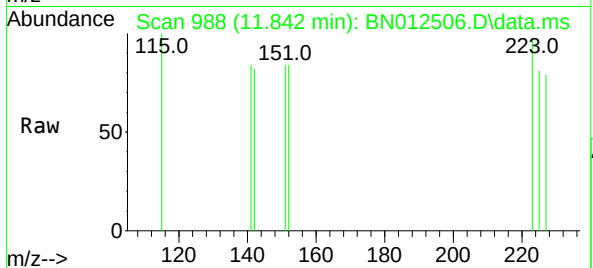




#11
2-Methylnaphthalene-d10
Concen: 0.00 ng
RT: 11.842 min Scan# 988
Delta R.T. -0.013 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

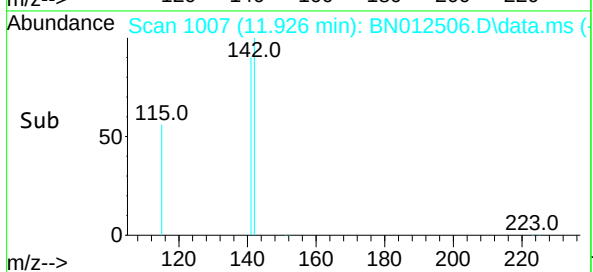
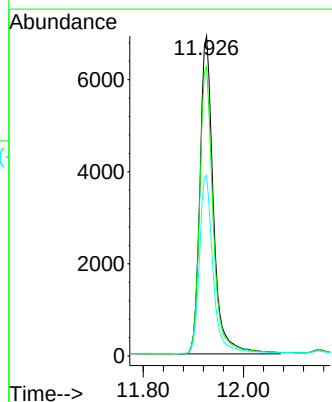
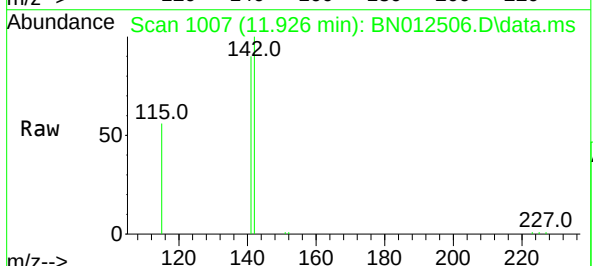
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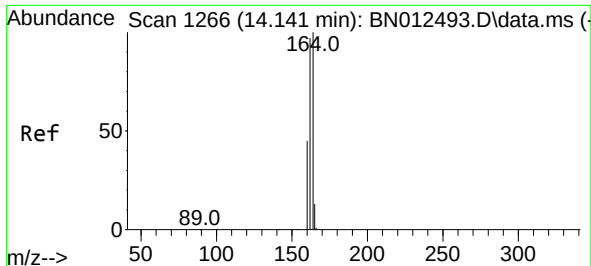
Tgt Ion:152 Resp: 2
Ion Ratio Lower Upper
152 100
151 50.0 16.7 25.1#



#12
2-Methylnaphthalene
Concen: 2.15 ng
RT: 11.926 min Scan# 1007
Delta R.T. -0.004 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

Tgt Ion:142 Resp: 12930
Ion Ratio Lower Upper
142 100
141 90.5 69.4 104.2
115 56.4 35.7 53.5#

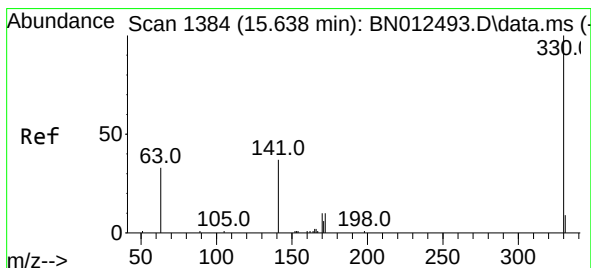
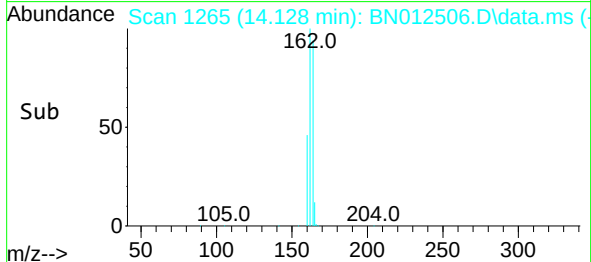
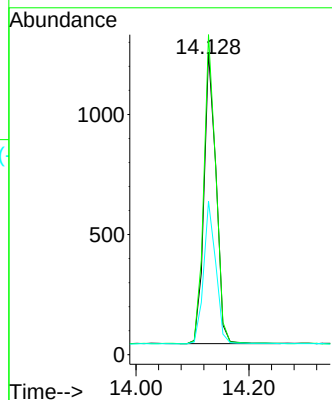
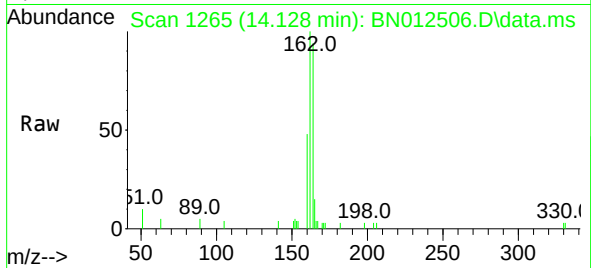




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.128 min Scan# 1265
Delta R.T. -0.013 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

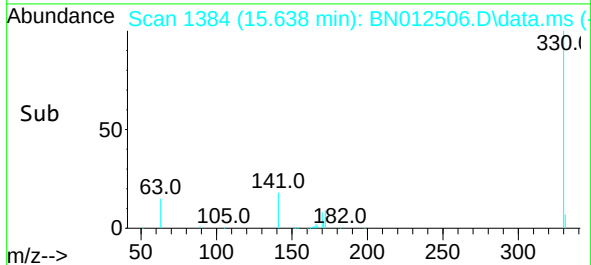
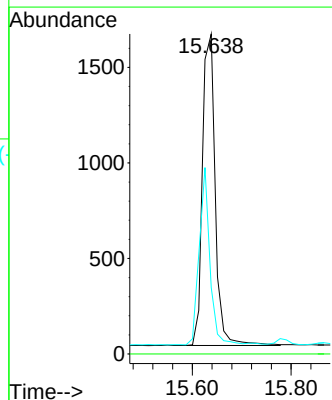
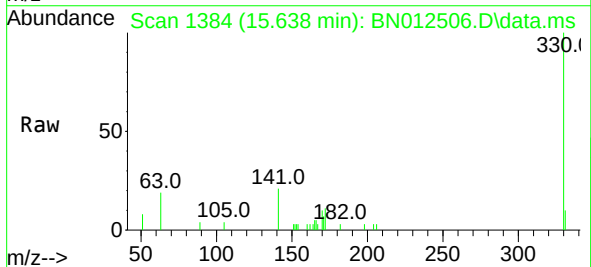
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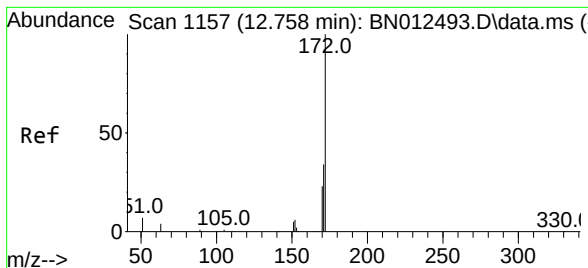
Tgt Ion:164 Resp: 1800
Ion Ratio Lower Upper
164 100
162 105.9 80.6 120.8
160 50.8 39.5 59.3



#14
2,4,6-Tribromophenol
Concen: 2.25 ng
RT: 15.638 min Scan# 1384
Delta R.T. 0.000 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

Tgt Ion:330 Resp: 2947
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 48.3 34.4 51.6

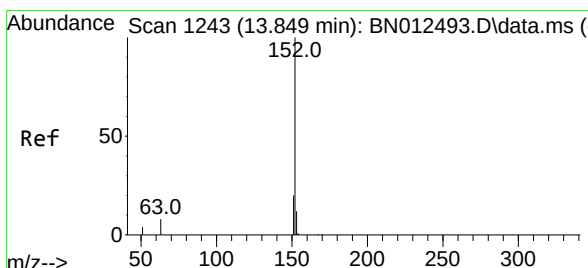
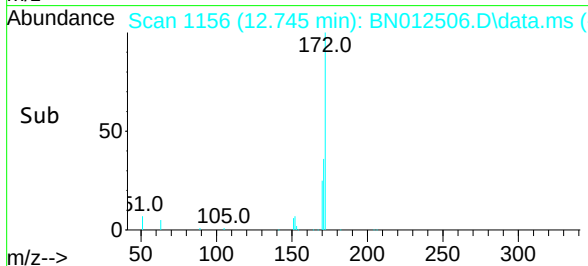
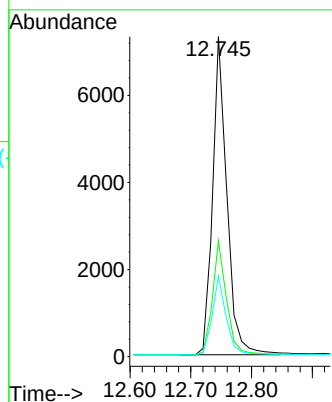
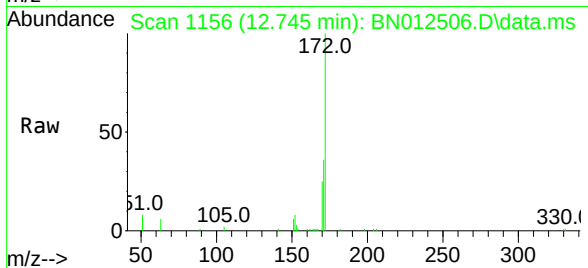




#15
2-Fluorobiphenyl
Concen: 1.70 ng
RT: 12.745 min Scan# 1156
Delta R.T. -0.013 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

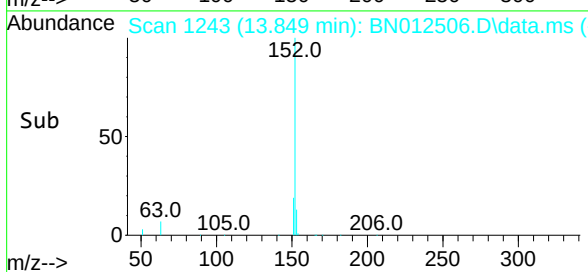
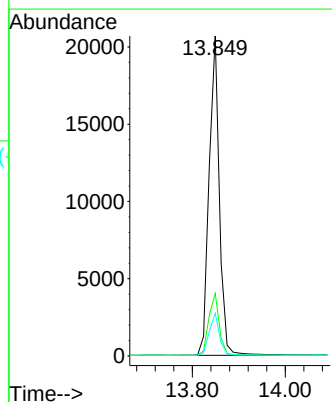
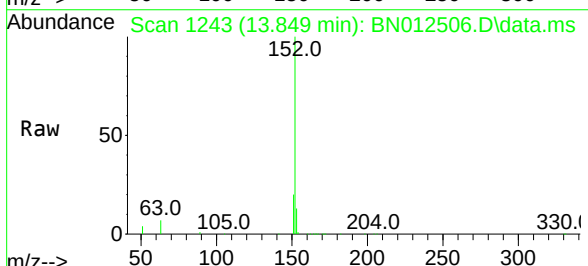
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

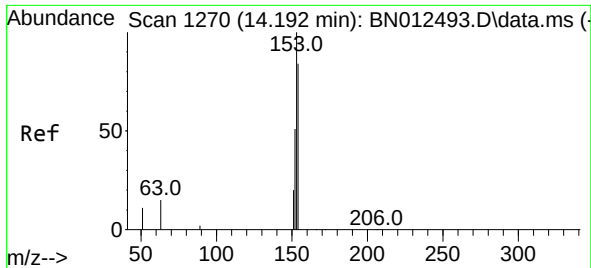
Tgt Ion:	172	Resp:	11935
Ion Ratio	Lower	Upper	
172	100		
171	36.2	28.2	42.4
170	25.2	20.0	30.0



#16
Acenaphthylene
Concen: 3.53 ng
RT: 13.849 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

Tgt Ion:	152	Resp:	31815
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.8	23.8
153	13.1	10.6	16.0

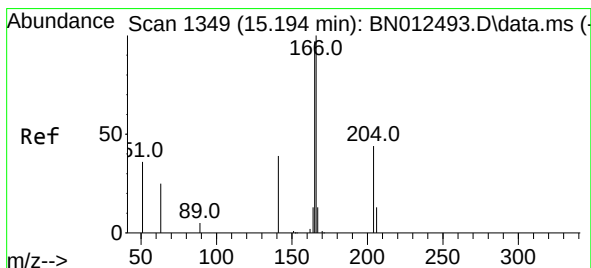
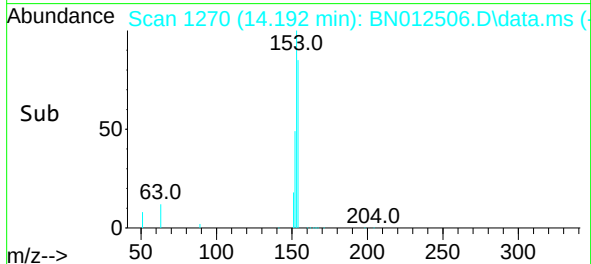
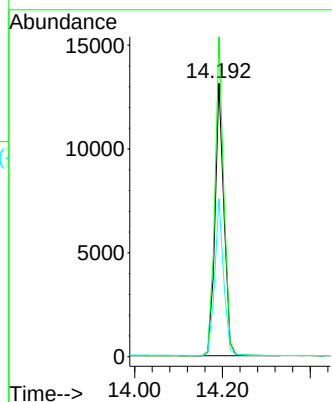
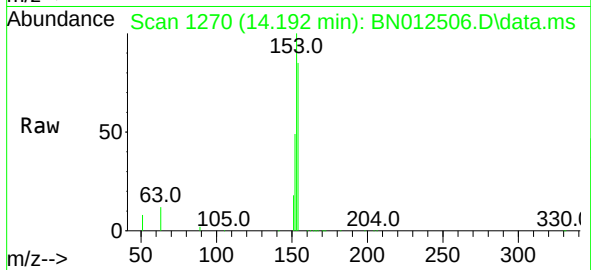




#17
Acenaphthene
Concen: 3.22 ng
RT: 14.192 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

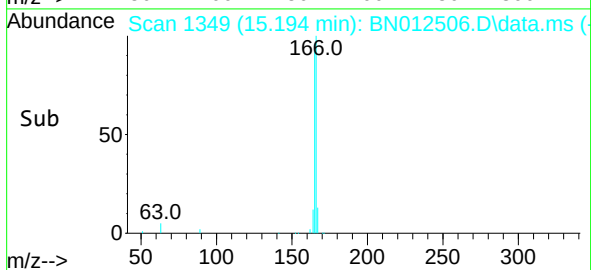
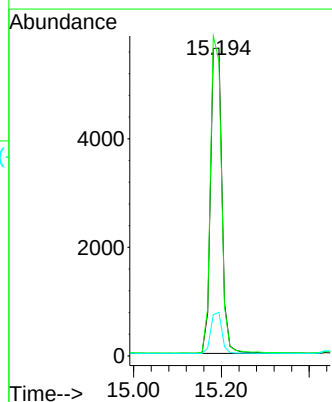
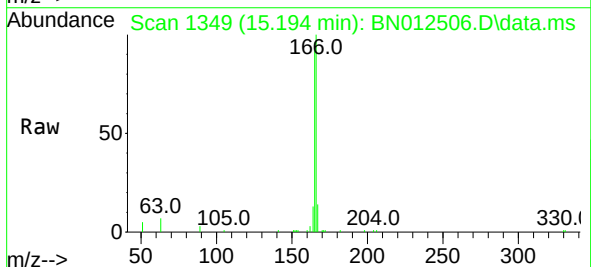
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

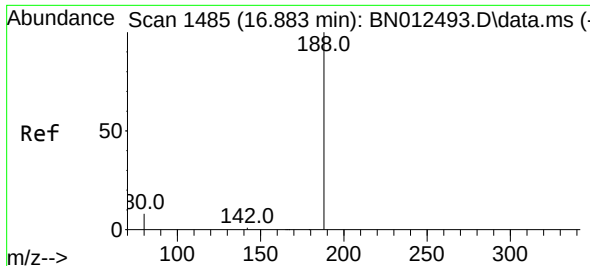
Tgt Ion:154 Resp: 18467
Ion Ratio Lower Upper
154 100
153 116.4 83.6 125.4
152 56.8 43.9 65.9



#18
Fluorene
Concen: 1.38 ng
RT: 15.194 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

Tgt Ion:166 Resp: 10095
Ion Ratio Lower Upper
166 100
165 100.0 78.6 118.0
167 13.2 10.7 16.1

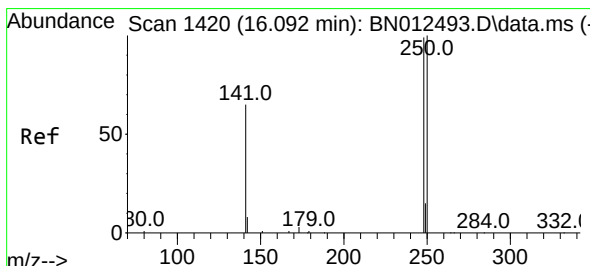
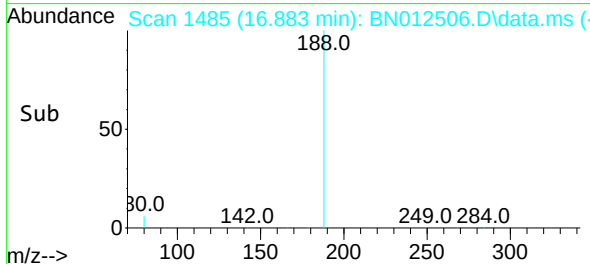
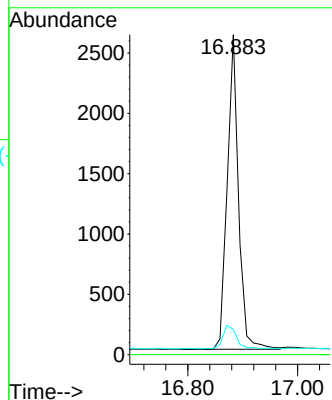
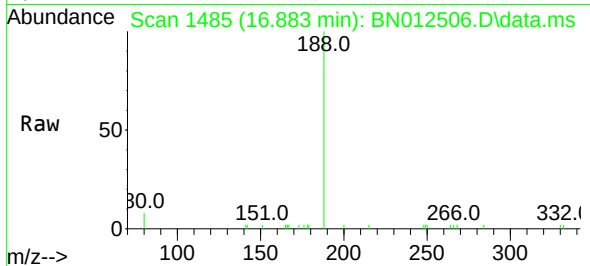




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.883 min Scan# 1485
Delta R.T. 0.000 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

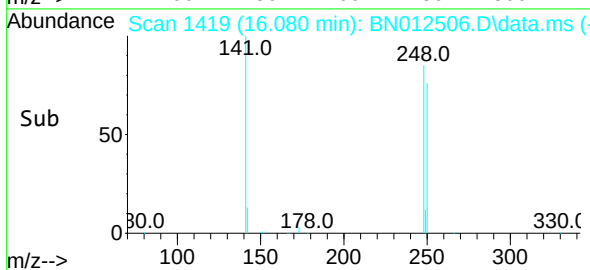
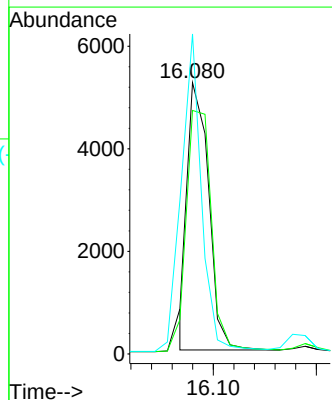
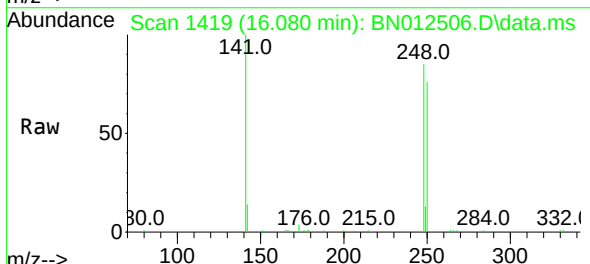
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

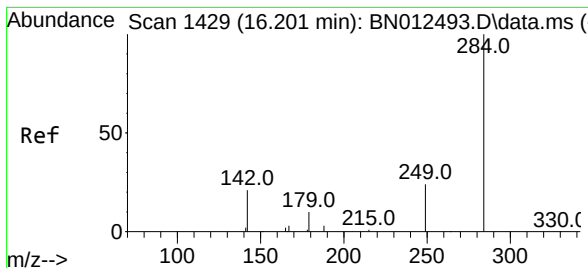
Tgt Ion:188 Resp: 3719
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.9 5.0 7.4#



#21
4-Bromophenyl-phenylether
Concen: 3.47 ng
RT: 16.080 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

Tgt Ion:248 Resp: 7460
Ion Ratio Lower Upper
248 100
250 89.8 77.3 115.9
141 117.9 57.8 86.8#

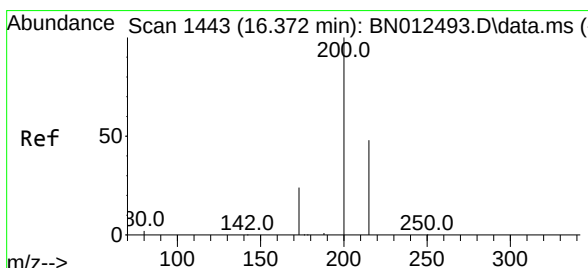
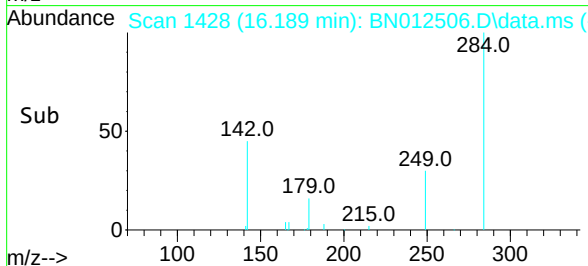
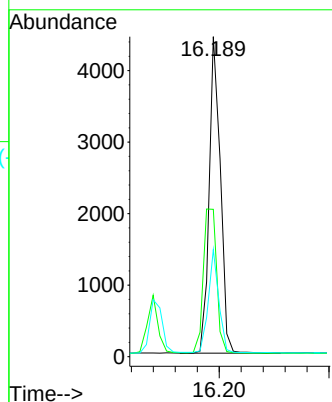
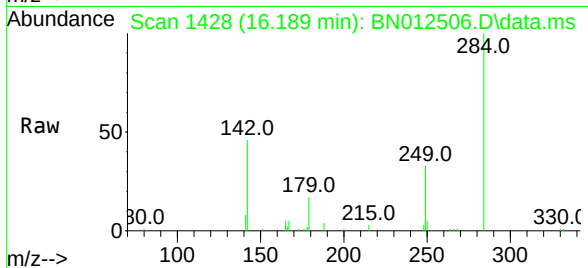




#22
Hexachlorobenzene
Concen: 2.22 ng
RT: 16.189 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

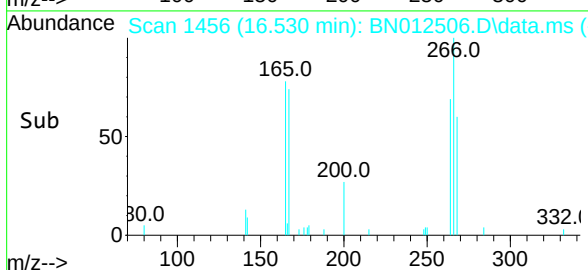
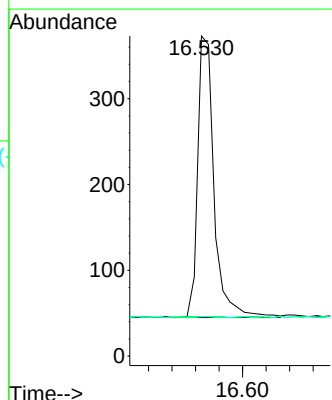
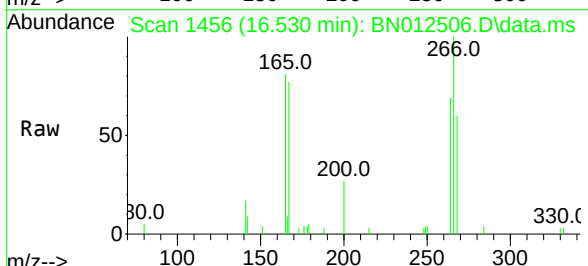
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

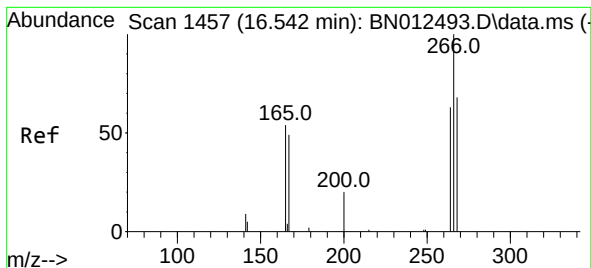
Tgt Ion:284 Resp: 6218
Ion Ratio Lower Upper
284 100
142 54.9 32.0 48.0#
249 30.5 27.0 40.6



#23
Atrazine
Concen: 0.28 ng
RT: 16.530 min Scan# 1456
Delta R.T. 0.158 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

Tgt Ion:200 Resp: 636
Ion Ratio Lower Upper
200 100
173 12.3 22.8 34.2#
215 12.3 38.1 57.1#





#24

Pentachlorophenol

Concen: 2.64 ng

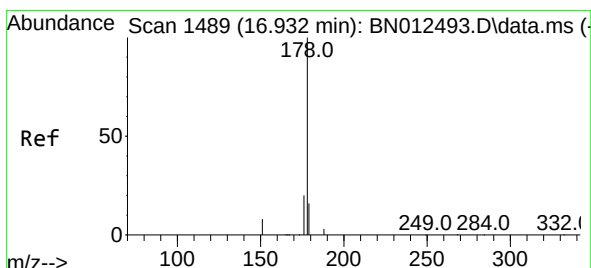
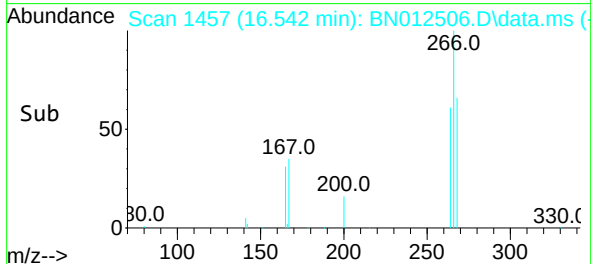
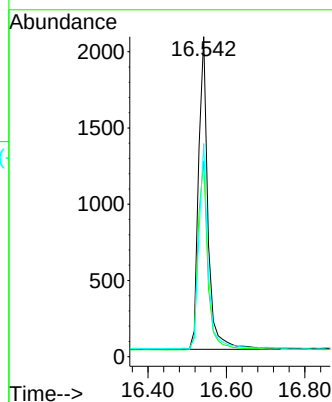
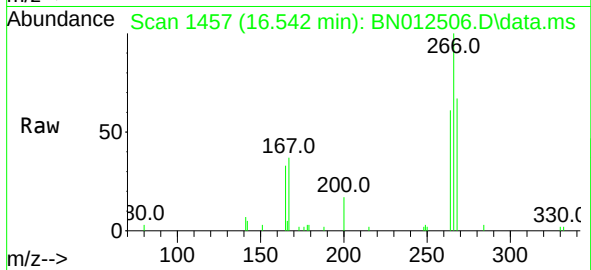
RT: 16.542 min Scan# 1457

Delta R.T. 0.000 min

Lab File: BN012506.D

Acq: 05 Nov 2020 18:12

Tgt Ion:	266	Resp:	3458
Ion Ratio	Lower	Upper	
266	100		
264	62.3	50.9	76.3
268	63.0	51.5	77.3



#25

Phenanthrene

Concen: 3.17 ng

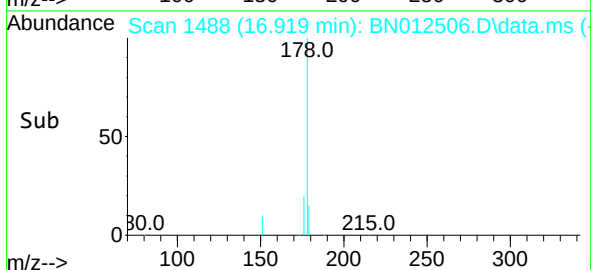
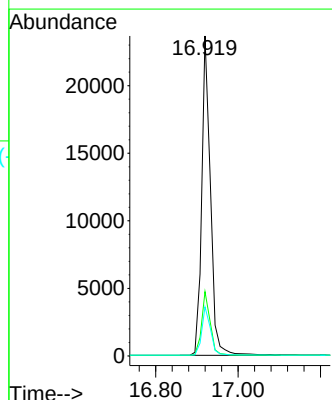
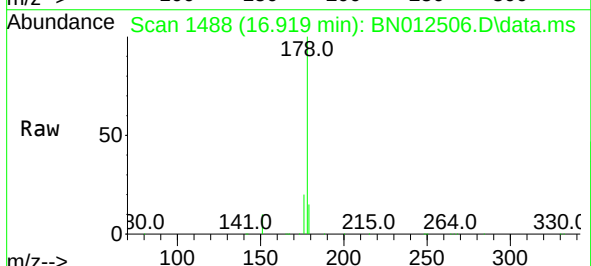
RT: 16.919 min Scan# 1488

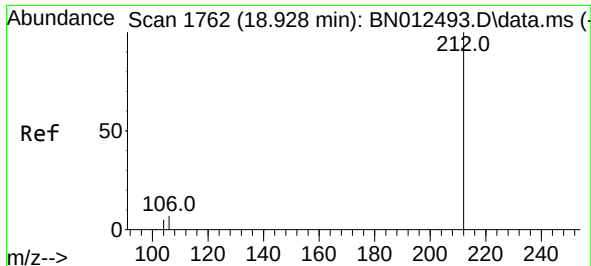
Delta R.T. -0.012 min

Lab File: BN012506.D

Acq: 05 Nov 2020 18:12

Tgt Ion:	178	Resp:	34853
Ion Ratio	Lower	Upper	
178	100		
176	19.8	14.8	22.2
179	15.4	12.4	18.6

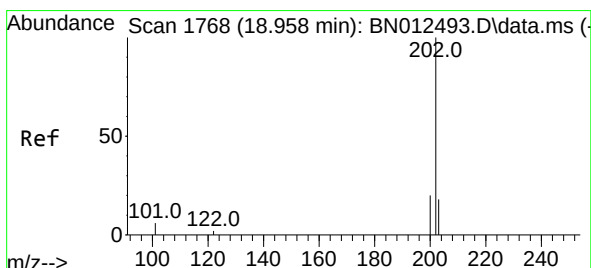
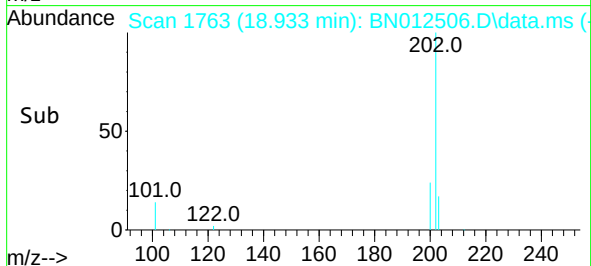
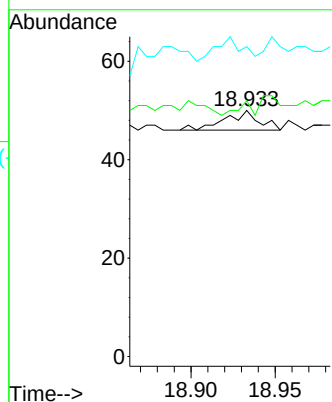
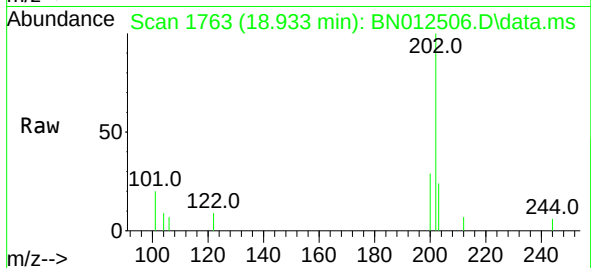




#27
Fluoranthene-d10
Concen: 0.00 ng
RT: 18.933 min Scan# 1763
Delta R.T. 0.005 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

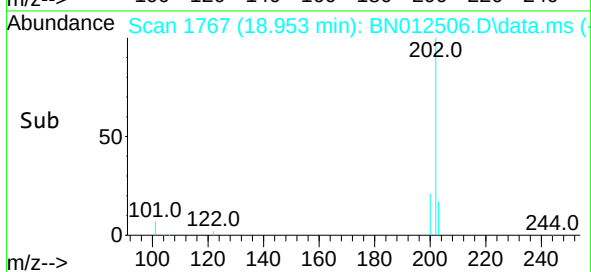
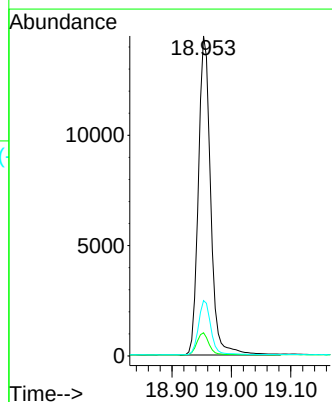
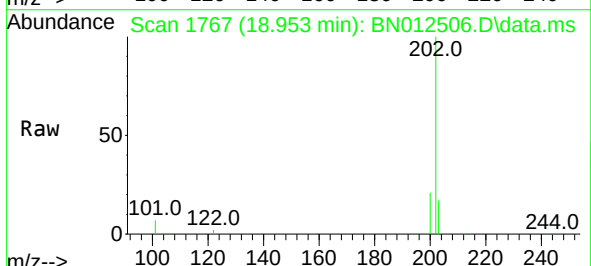
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

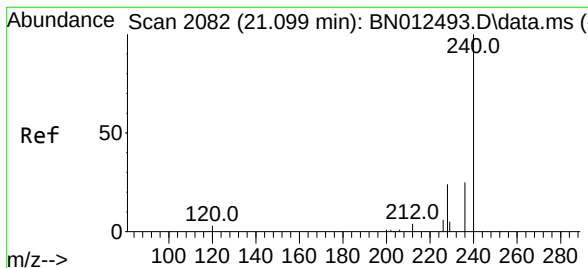
Tgt Ion:212 Resp: 6
Ion Ratio Lower Upper
212 100
106 0.0 6.8 10.2#
104 83.3 4.1 6.1#



#28
Fluoranthene
Concen: 1.58 ng
RT: 18.953 min Scan# 1767
Delta R.T. -0.005 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

Tgt Ion:202 Resp: 20685
Ion Ratio Lower Upper
202 100
101 6.9 5.8 8.6
203 17.0 13.7 20.5





#29

Chrysene-d12

Concen: 0.40 ng

RT: 21.089 min Scan# 2081

Delta R.T. -0.011 min

Lab File: BN012506.D

Acq: 05 Nov 2020 18:12

Tgt Ion:240 Resp: 3883

Ion Ratio Lower Upper

240 100

120 10.7 5.3 7.9#

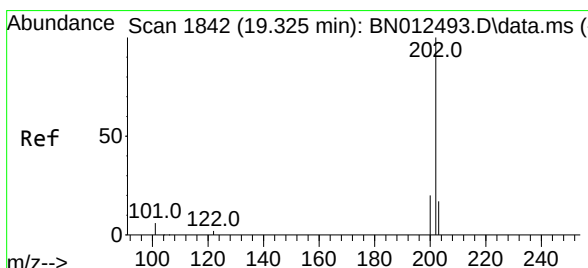
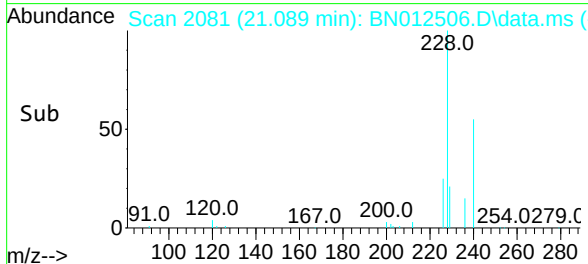
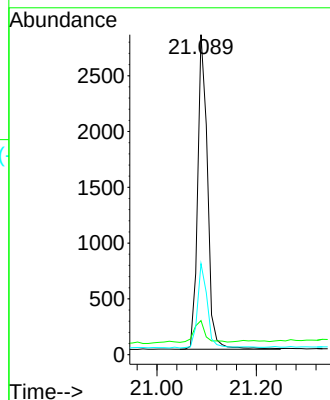
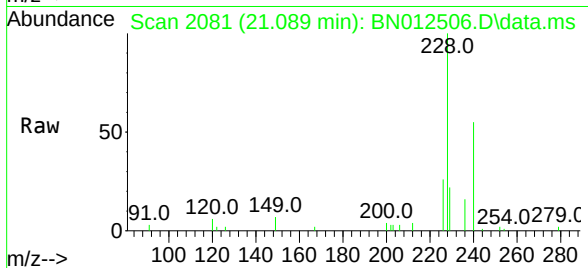
236 28.5 21.8 32.8

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILDL



#30

Pyrene

Concen: 0.85 ng

RT: 19.320 min Scan# 1841

Delta R.T. -0.005 min

Lab File: BN012506.D

Acq: 05 Nov 2020 18:12

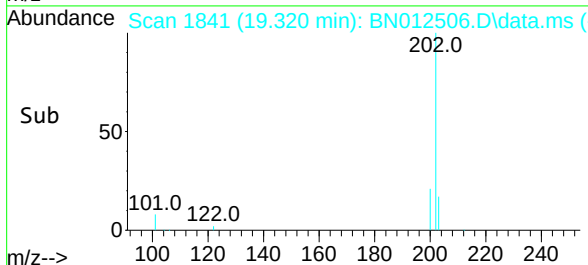
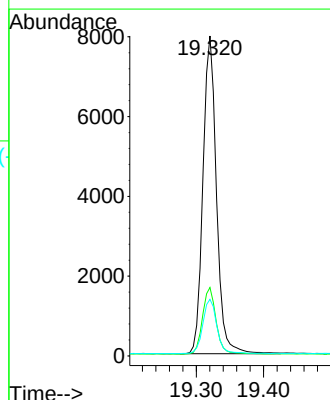
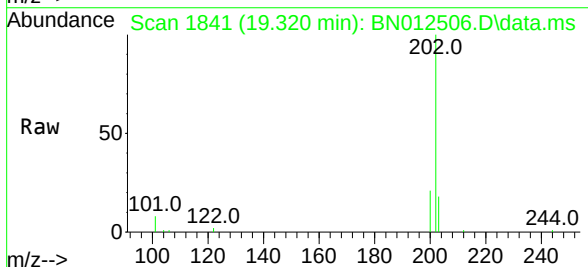
Tgt Ion:202 Resp: 11100

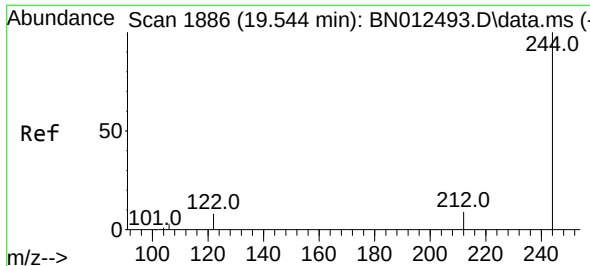
Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

203 17.8 13.8 20.8

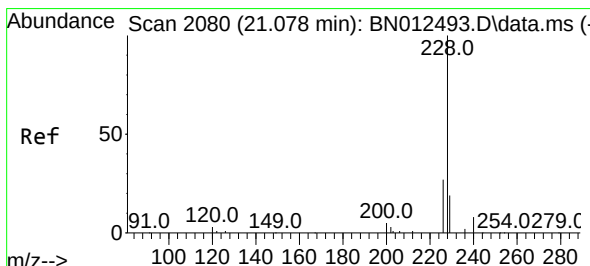
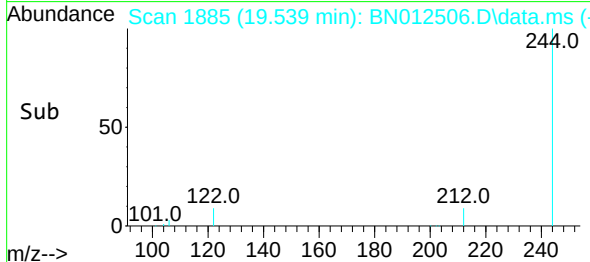
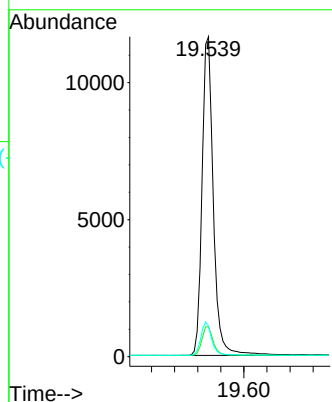
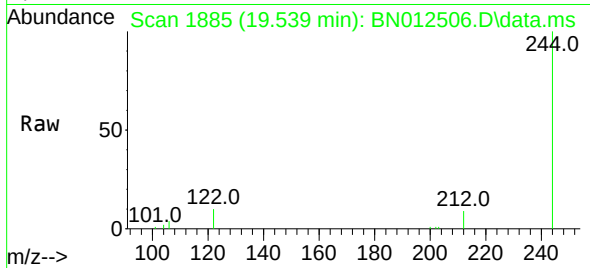




#31
 Terphenyl-d14
 Concen: 1.71 ng
 RT: 19.539 min Scan# 1885
 Delta R.T. -0.005 min
 Lab File: BN012506.D
 Acq: 05 Nov 2020 18:12

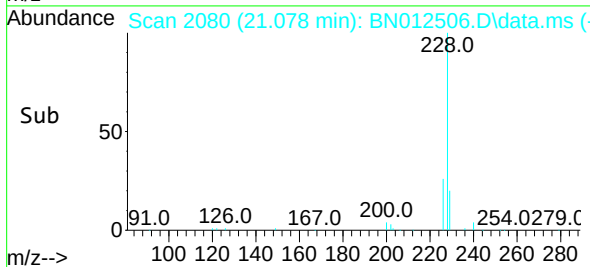
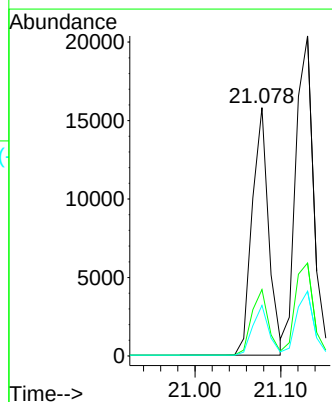
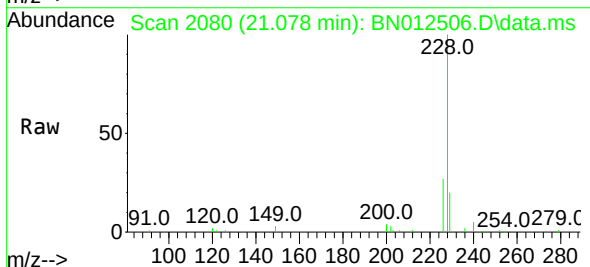
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILDL

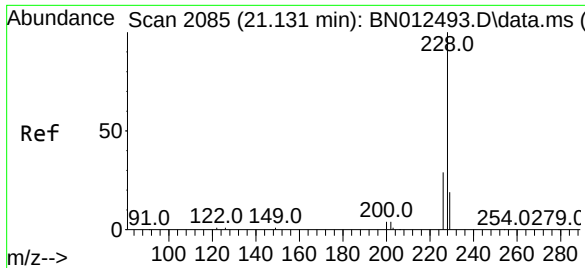
Tgt Ion:244	Resp:	15792
Ion Ratio	Lower	Upper
244	100	
212	9.4	7.3 10.9
122	9.6	7.3 10.9



#32
 Benzo(a)anthracene
 Concen: 1.70 ng
 RT: 21.078 min Scan# 2080
 Delta R.T. 0.000 min
 Lab File: BN012506.D
 Acq: 05 Nov 2020 18:12

Tgt Ion:228	Resp:	21047
Ion Ratio	Lower	Upper
228	100	
226	26.7	22.3 33.5
229	20.4	15.7 23.5

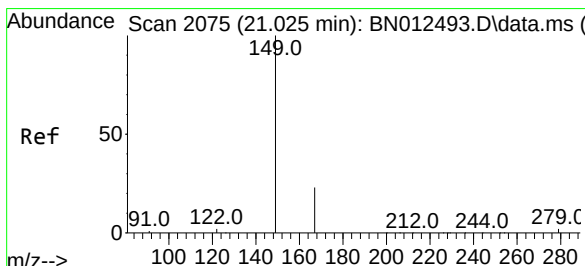
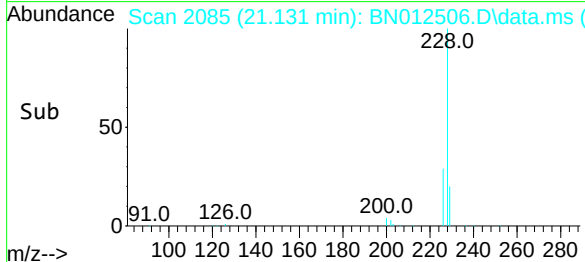
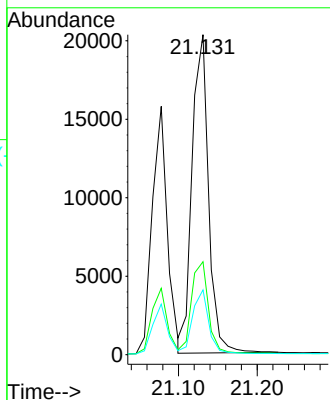
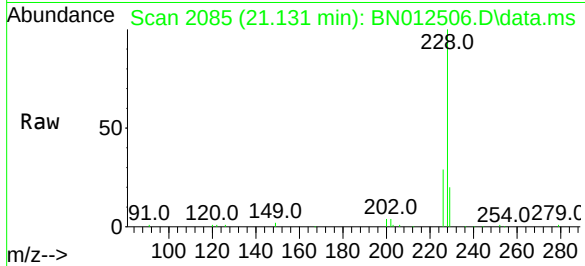




#33
Chrysene
Concen: 2.28 ng
RT: 21.131 min Scan# 2085
Delta R.T. 0.000 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

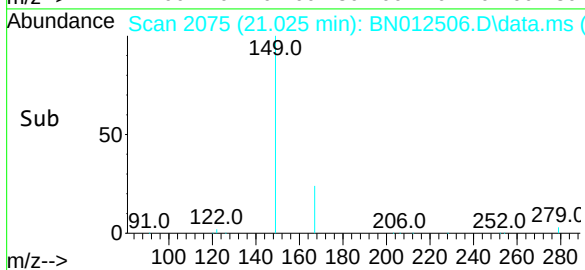
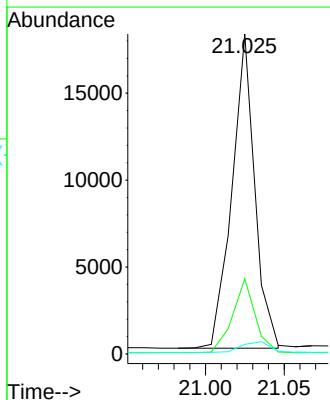
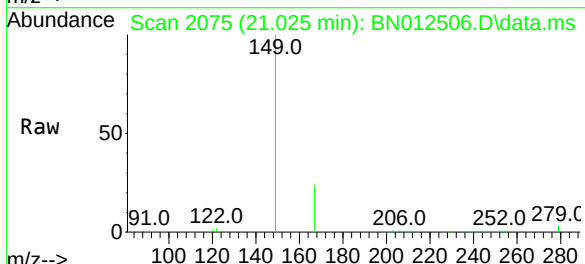
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

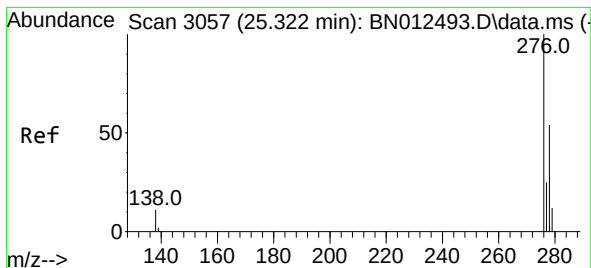
Tgt Ion:	228	Resp:	29536
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.2	36.2
229	20.2	15.7	23.5



#34
Bis(2-ethylhexyl)phthalate
Concen: 2.17 ng
RT: 21.025 min Scan# 2075
Delta R.T. 0.000 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

Tgt Ion:	149	Resp:	18186
Ion Ratio	Lower	Upper	
149	100		
167	23.3	23.2	34.8
279	4.1	3.9	5.9

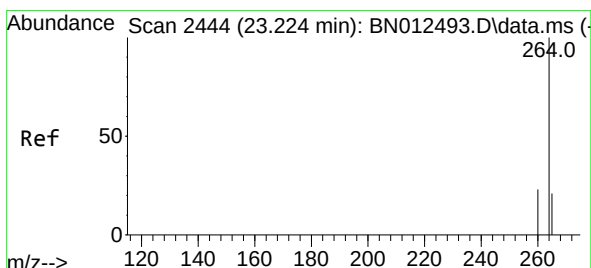
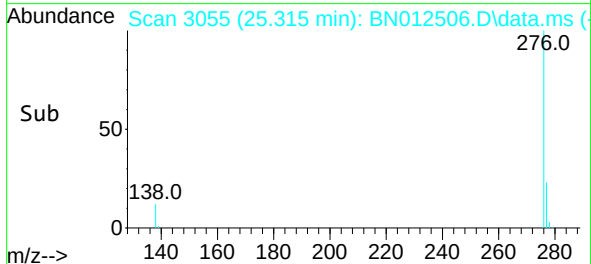
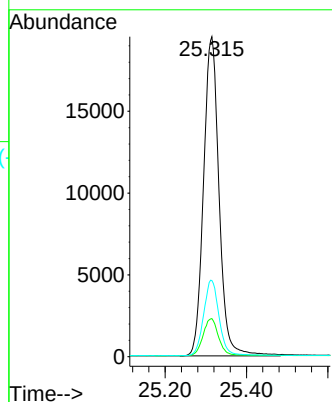
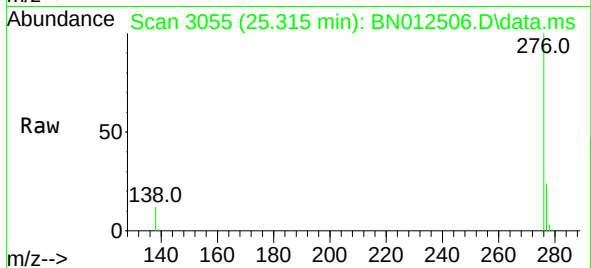




#35
Indeno(1,2,3-cd)pyrene
Concen: 2.66 ng
RT: 25.315 min Scan# 3055
Delta R.T. -0.007 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

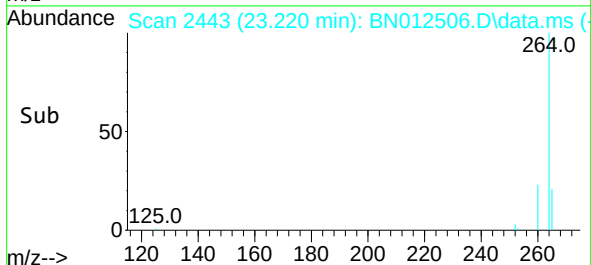
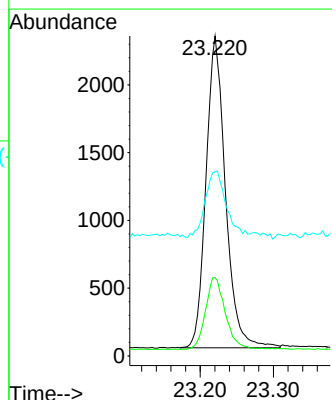
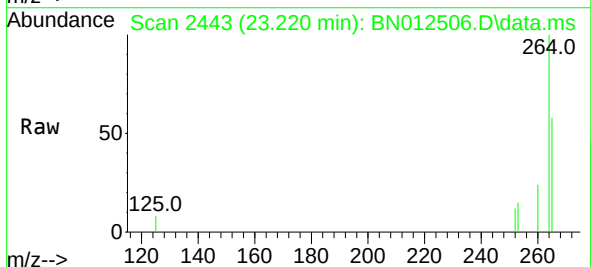
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

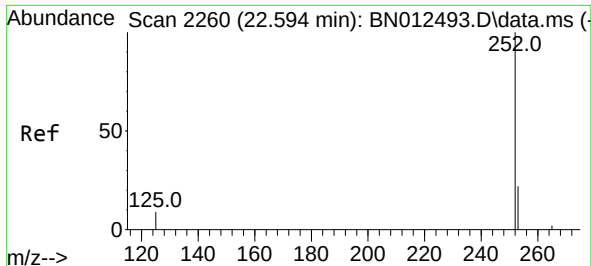
Tgt Ion:276 Resp: 51723
Ion Ratio Lower Upper
276 100
138 11.6 13.3 19.9#
277 23.7 20.2 30.4



#36
Perylene-d12
Concen: 0.40 ng
RT: 23.220 min Scan# 2443
Delta R.T. -0.003 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

Tgt Ion:264 Resp: 4249
Ion Ratio Lower Upper
264 100
260 24.5 19.8 29.6
265 57.6 51.4 77.0





#37

Benzo(b)fluoranthene

Concen: 2.56 ng

RT: 22.631 min Scan# 2271

Delta R.T. 0.038 min

Lab File: BN012506.D

Acq: 05 Nov 2020 18:12

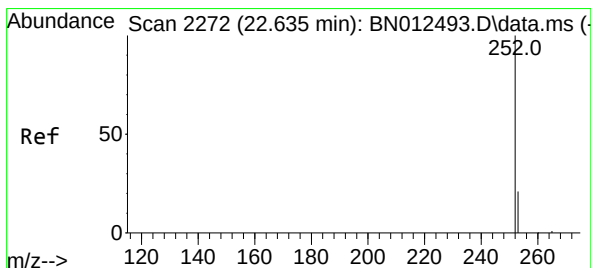
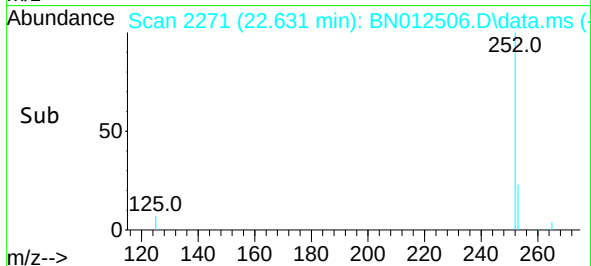
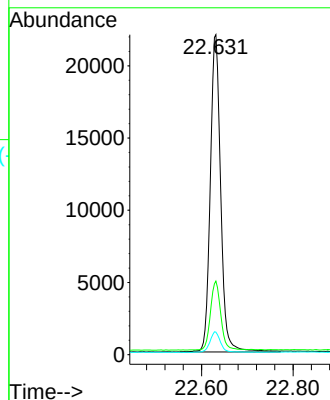
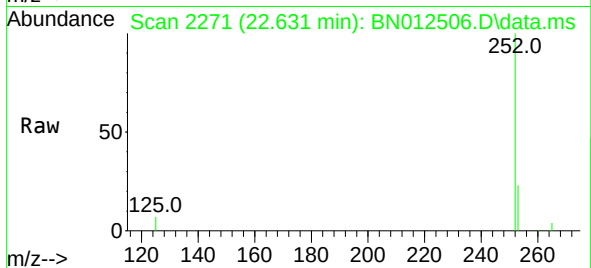
Tgt Ion:252 Resp: 34702

Ion Ratio Lower Upper

252 100

253 23.0 20.1 30.1

125 7.0 7.2 10.8#



#38

Benzo(k)fluoranthene

Concen: 2.40 ng

RT: 22.631 min Scan# 2271

Delta R.T. -0.003 min

Lab File: BN012506.D

Acq: 05 Nov 2020 18:12

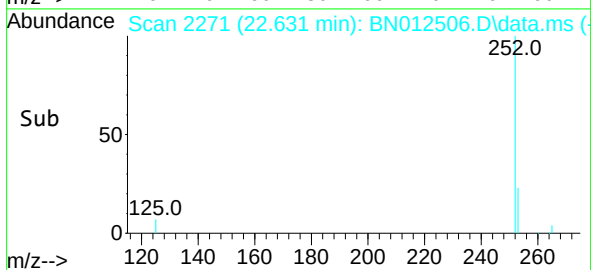
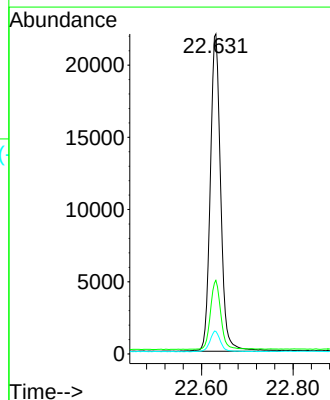
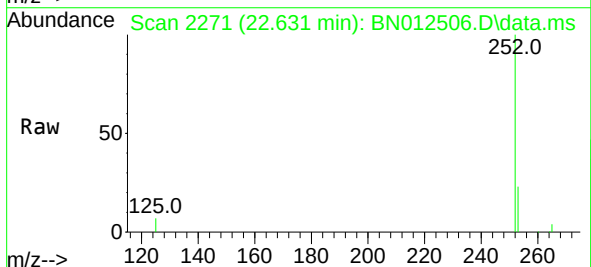
Tgt Ion:252 Resp: 34702

Ion Ratio Lower Upper

252 100

253 23.0 19.8 29.8

125 7.0 7.1 10.7#

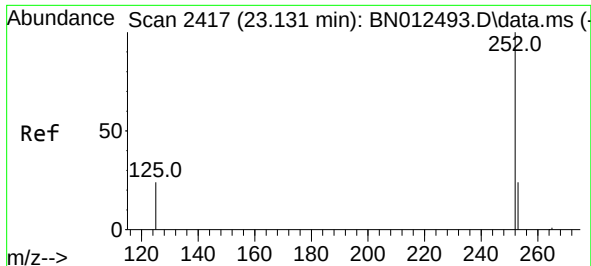


Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILDL



#39

Benzo(a)pyrene

Concen: 1.32 ng

RT: 23.128 min Scan# 2416

Delta R.T. -0.003 min

Lab File: BN012506.D

Acq: 05 Nov 2020 18:12

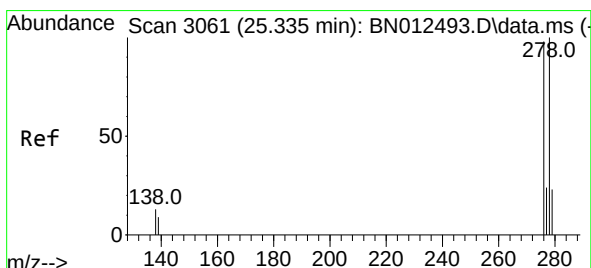
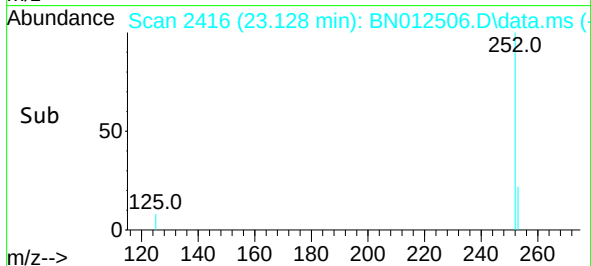
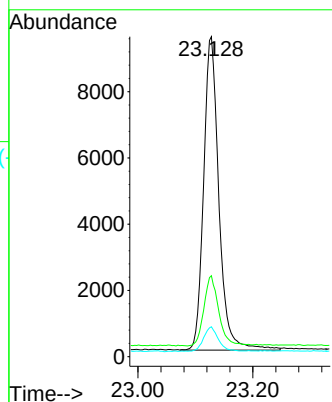
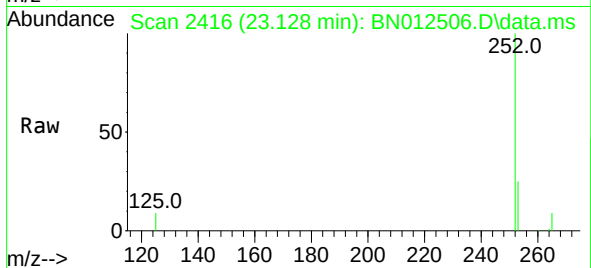
Tgt Ion:252 Resp: 17483

Ion Ratio Lower Upper

252 100

253 25.3 21.3 31.9

125 9.3 8.3 12.5



#40

Dibenzo(a,h)anthracene

Concen: 0.09 ng

RT: 25.312 min Scan# 3054

Delta R.T. -0.024 min

Lab File: BN012506.D

Acq: 05 Nov 2020 18:12

Tgt Ion:278 Resp: 1424

Ion Ratio Lower Upper

278 100

139 36.6 9.3 13.9#

279 34.9 21.6 32.4#

