

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-SOILDL

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)

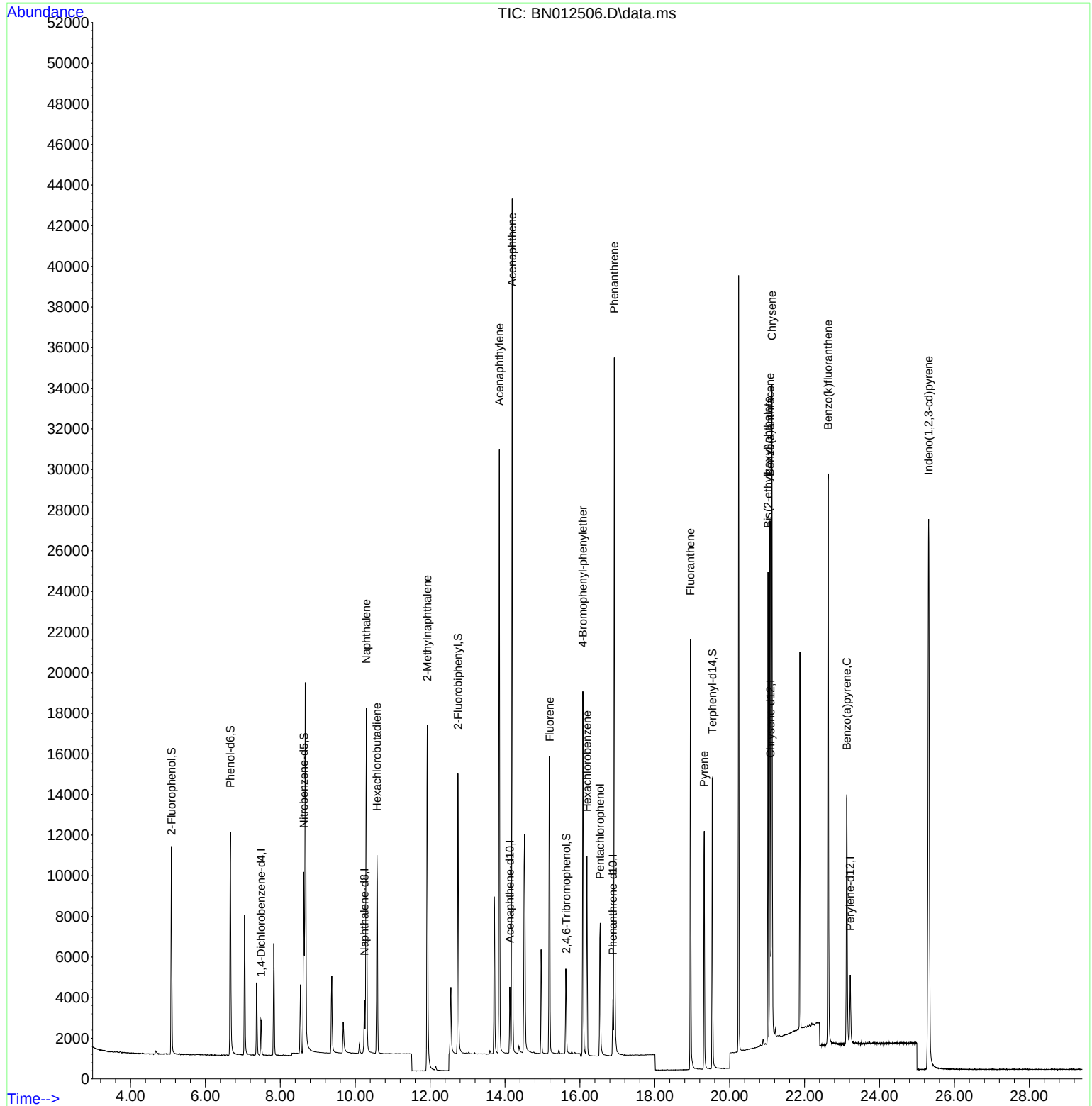
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.490	152	835	0.40	ng	0.00
7) Naphthalene-d8	10.250	136	3326	0.40	ng	# 0.00
13) Acenaphthene-d10	14.128	164	1800	0.40	ng	-0.01
19) Phenanthrene-d10	16.883	188	3719	0.40	ng	# 0.00
29) Chrysene-d12	21.089	240	3883	0.40	ng	#-0.01
36) Perylene-d12	23.220	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	0.000	152	0d	0.00	ng	
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	0.000	212	0d	0.00	ng	
31) Terphenyl-d14	19.539	244	15792	1.71	ng	0.00
Target Compounds						Qvalue
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
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
38) Benzo(k)fluoranthene	22.631	252	34702	2.40	ng	# 96
39) Benzo(a)pyrene	23.128	252	17483	1.32	ng	97

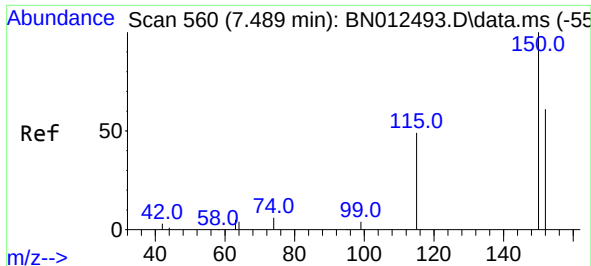
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

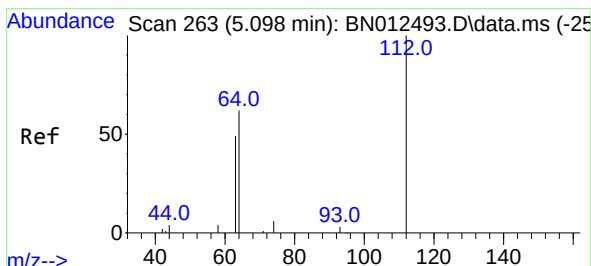
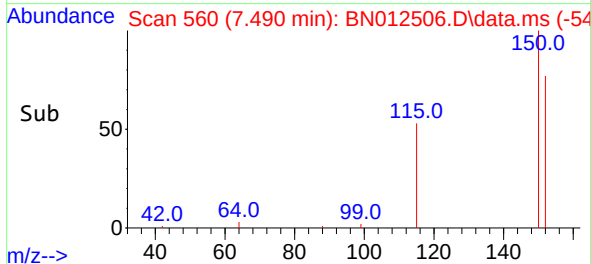
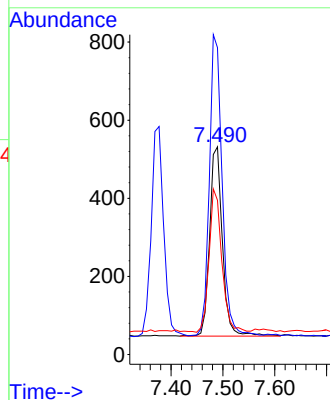
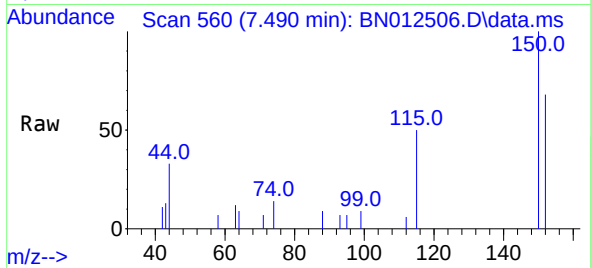




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.490 min Scan# 560
Delta R.T. 0.001 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

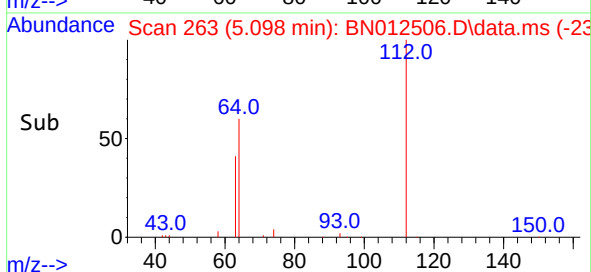
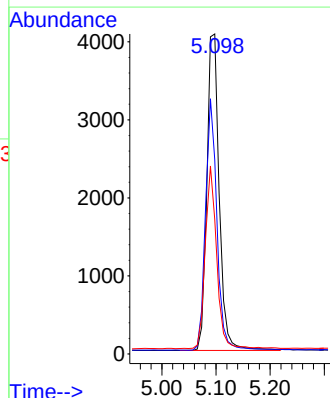
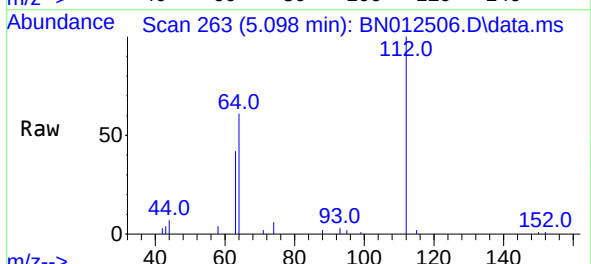
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

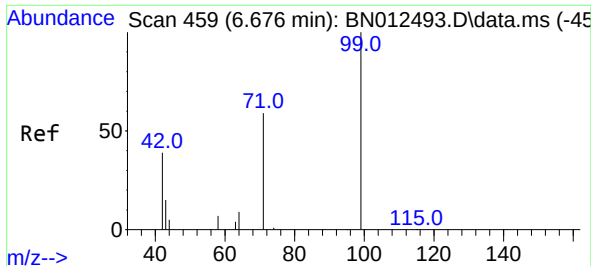
Tgt Ion:152 Resp: 835
Ion Ratio Lower Upper
152 100
150 147.7 116.6 174.8
115 74.2 52.9 79.3



#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#

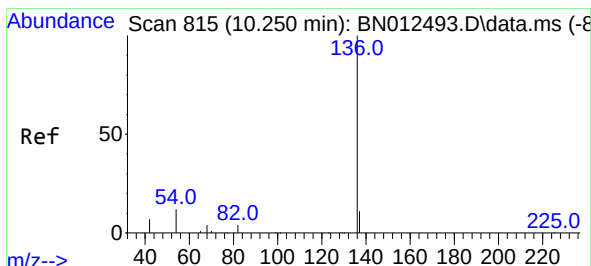
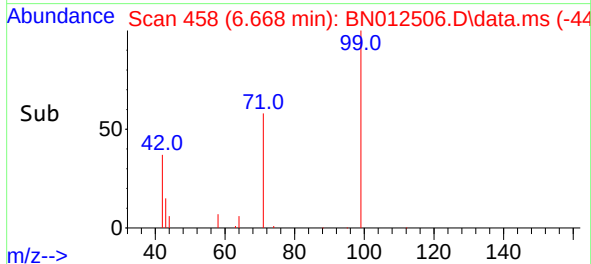
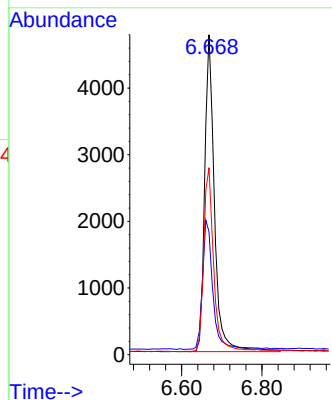
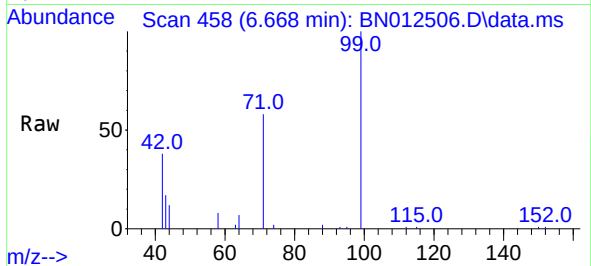




#5
Phenol-d6
Concen: 2.35 ng
RT: 6.668 min Scan# 458
Delta R.T. -0.008 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

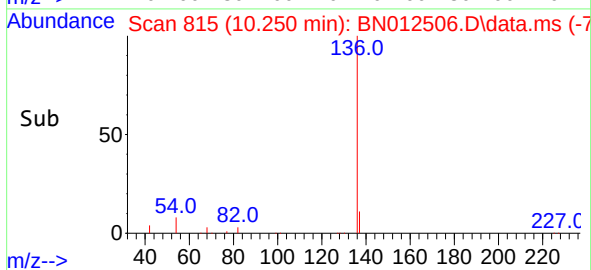
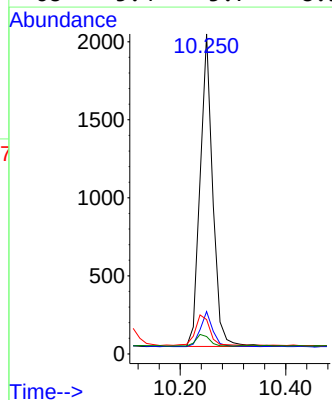
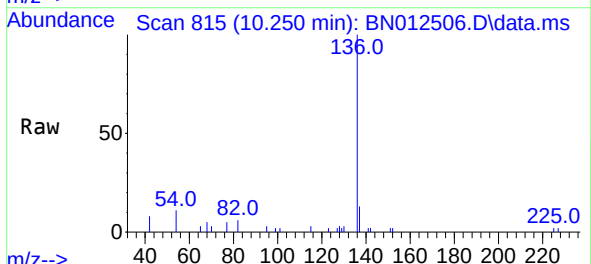
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

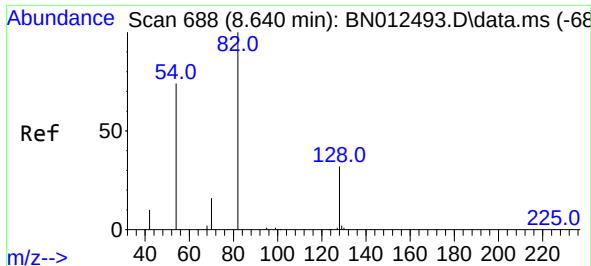
Tgt Ion: 99 Resp: 8030
Ion Ratio Lower Upper
99 100
42 43.2 22.4 33.6#
71 59.7 37.8 56.6#



#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

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#



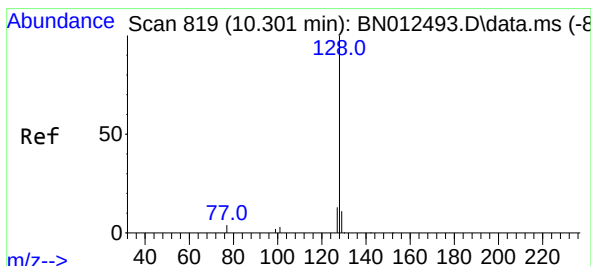
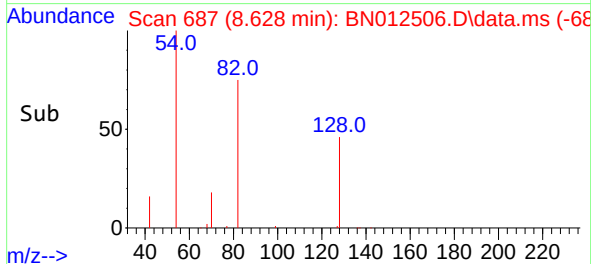
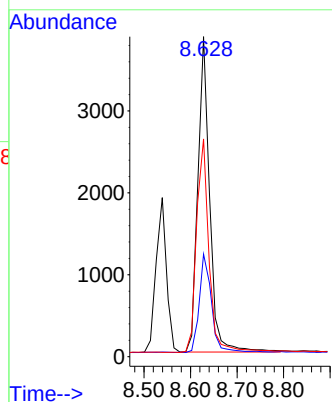
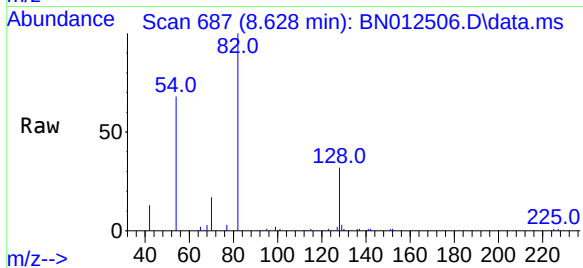


#8
Nitrobenzene-d5
Concen: 1.73 ng
RT: 8.628 min Scan# 687
Delta R.T. -0.013 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

Tgt Ion: 82 Resp: 6807

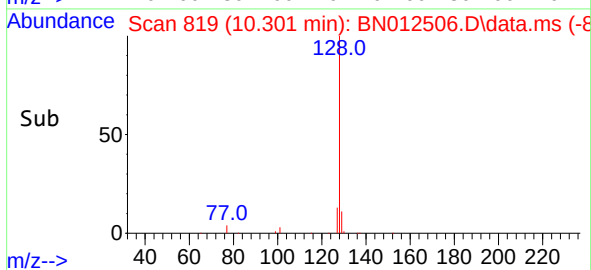
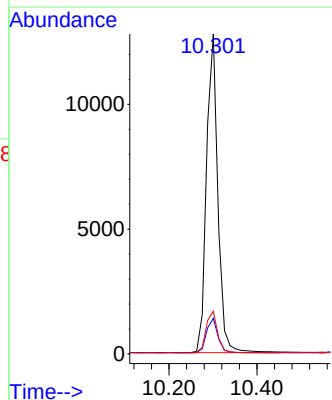
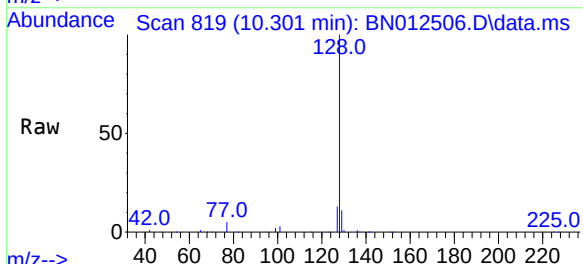
Ion	Ratio	Lower	Upper
82	100		
128	32.1	30.6	46.0
54	68.1	48.3	72.5

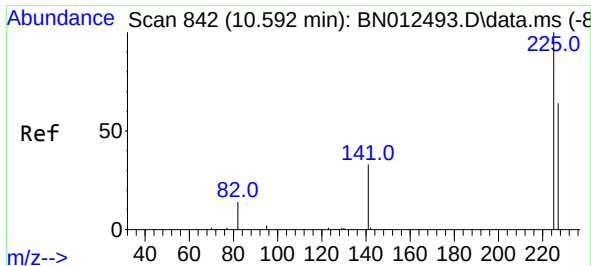


#9
Naphthalene
Concen: 2.45 ng
RT: 10.301 min Scan# 819
Delta R.T. 0.000 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

Tgt Ion: 128 Resp: 22883

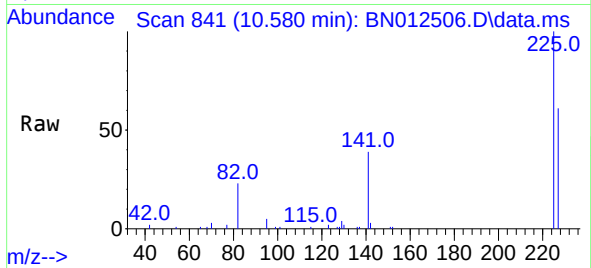
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.8	14.8
127	13.3	12.2	18.4



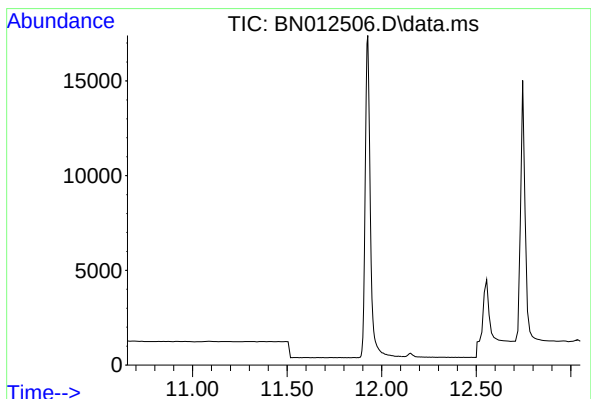
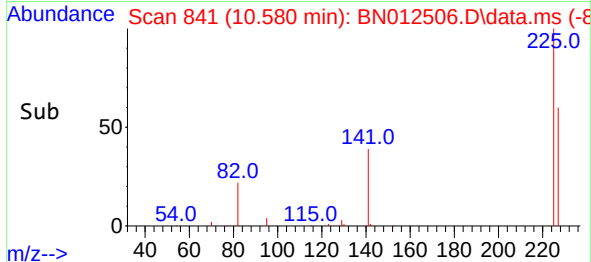
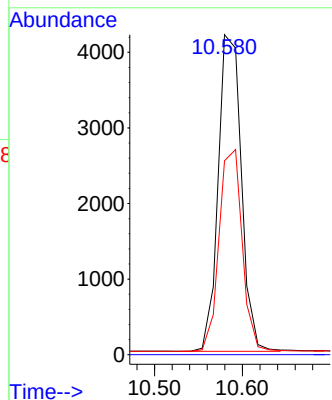


#10
Hexachlorobutadiene
Concen: 3.77 ng
RT: 10.580 min Scan# 841
Delta R.T. -0.013 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL



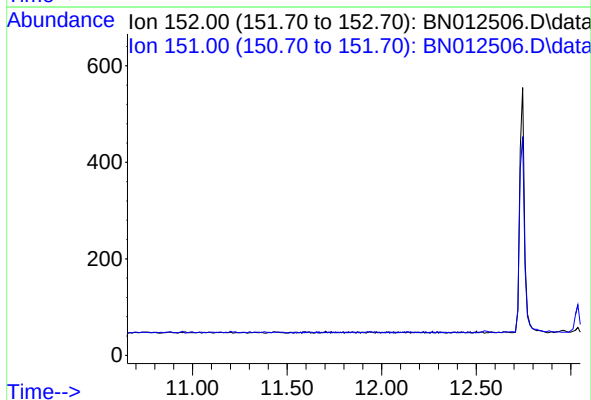
Tgt Ion: 225 Resp: 7675
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.5 51.0 76.6

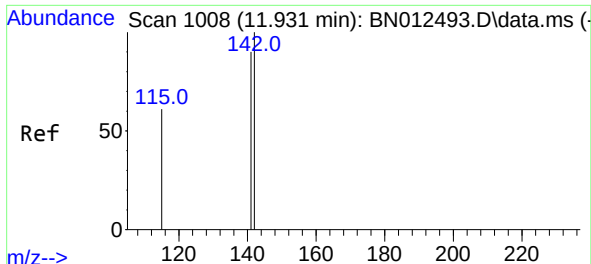


#11
2-Methylnaphthalene-d10
Concen: 0.00 ng
Expected RT: 11.86 min

Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

Tgt Ion: 152
Sig Exp Ratio
152 100
151 20.9

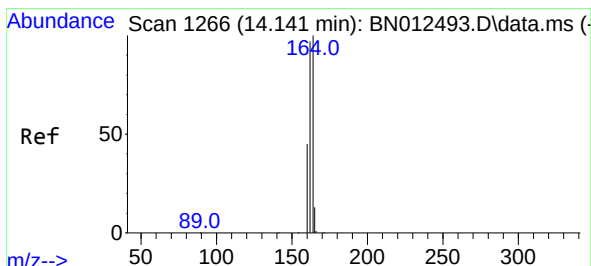
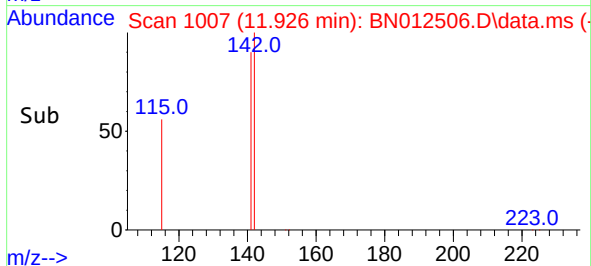
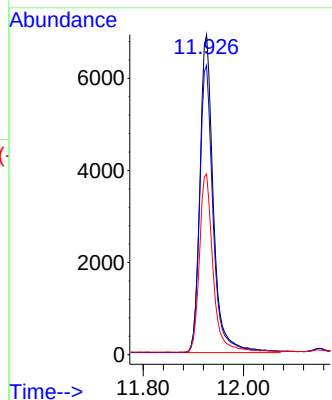
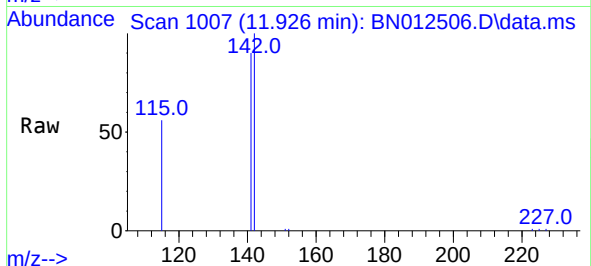




#12
2-Methylnaphthalene
Concen: 2.15 ng
RT: 11.926 min Scan# 1007
Delta R.T. -0.004 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

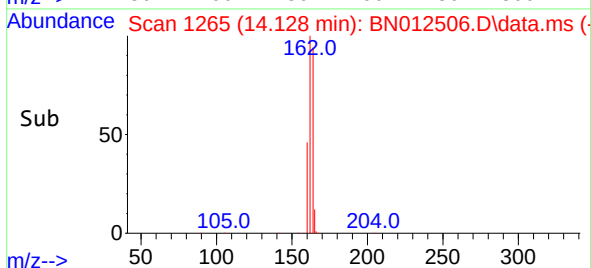
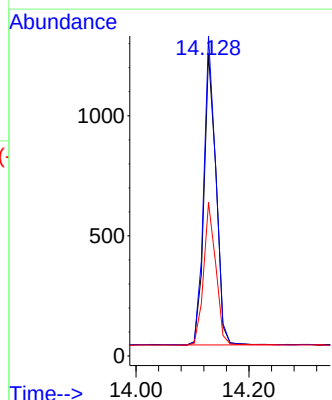
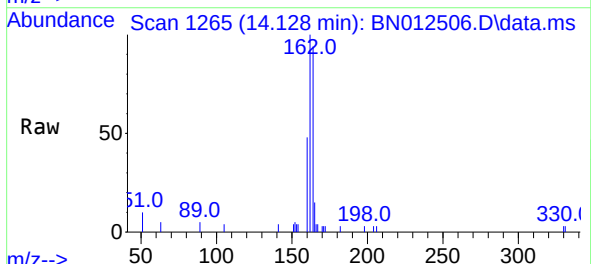
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

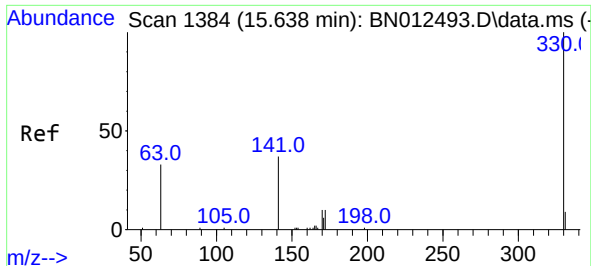
Tgt Ion:142 Resp: 12930
Ion Ratio Lower Upper
142 100
141 90.5 69.4 104.2
115 56.4 35.7 53.5#



#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

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

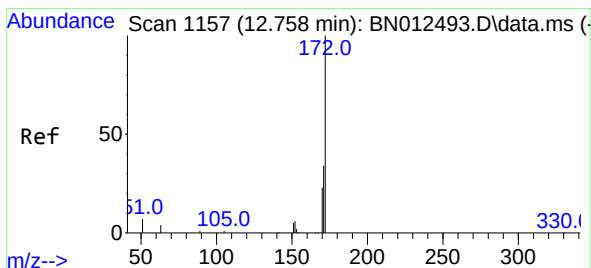
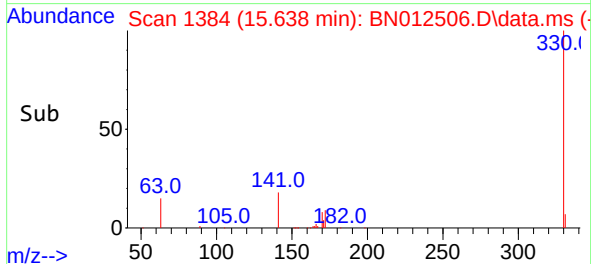
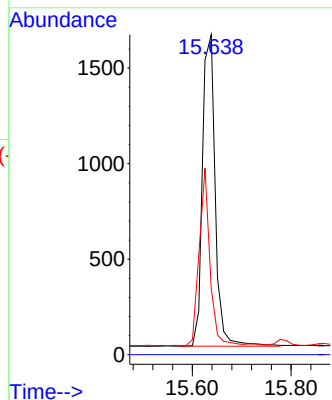
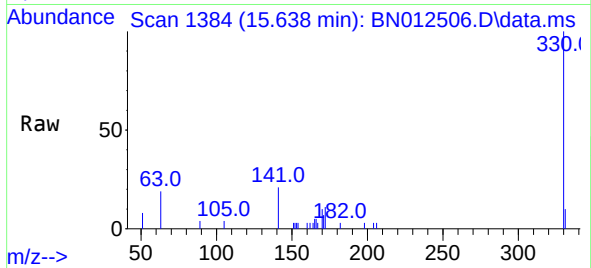




#14
2,4,6-Tribromophenol
Concen: 2.25 ng
RT: 15.638 min Scan# 1384
Delta R.T. 0.000 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

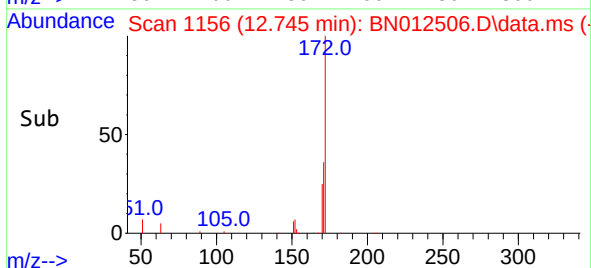
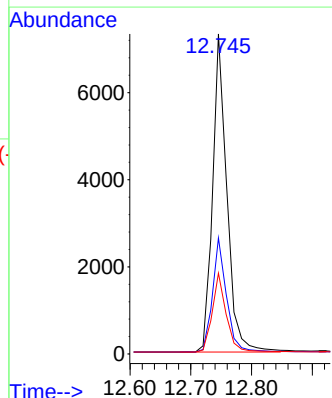
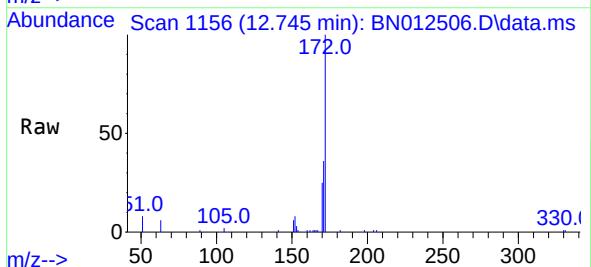
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

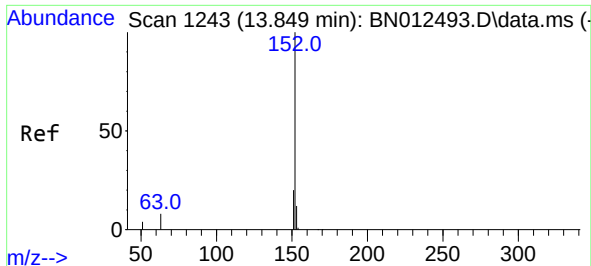
Tgt Ion:330 Resp: 2947
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 48.3 34.4 51.6



#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

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

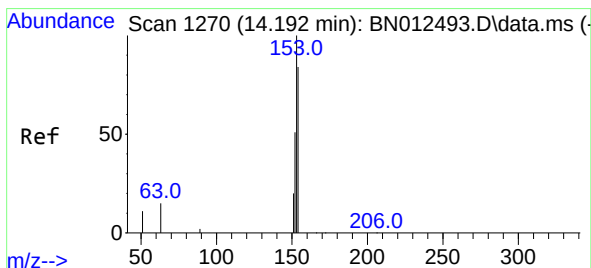
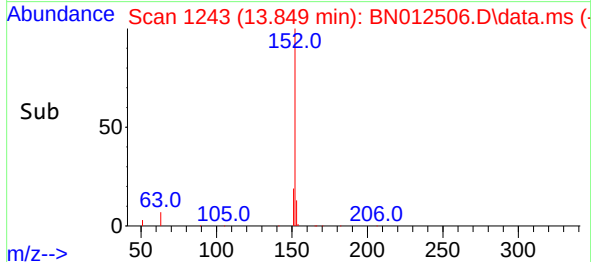
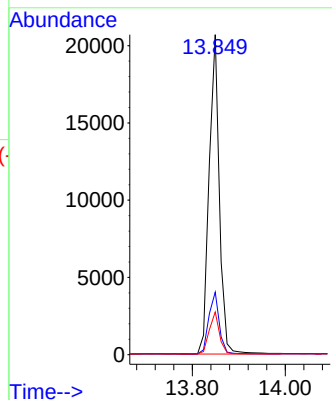
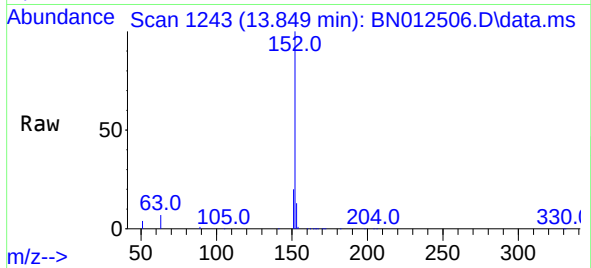




#16
Acenaphthylene
Concen: 3.53 ng
RT: 13.849 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

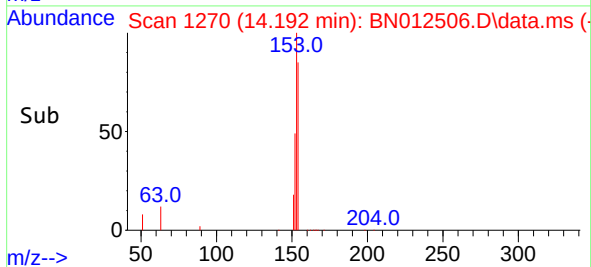
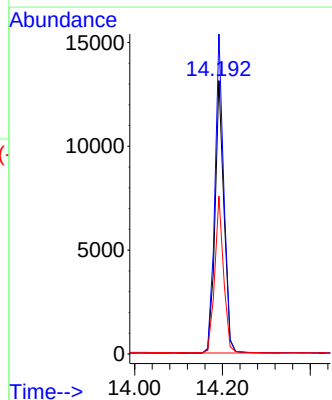
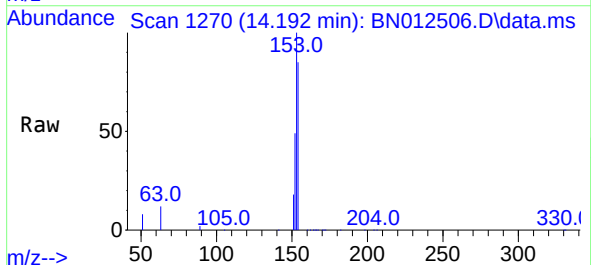
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

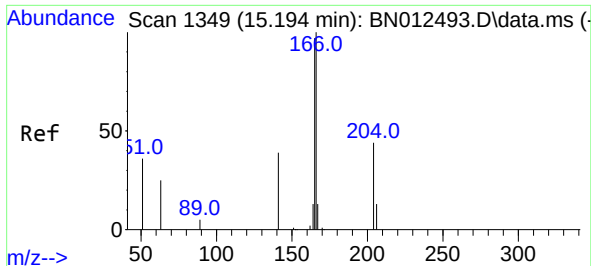
Tgt Ion:	152	Resp:	31815
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.8	23.8
153	13.1	10.6	16.0



#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

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

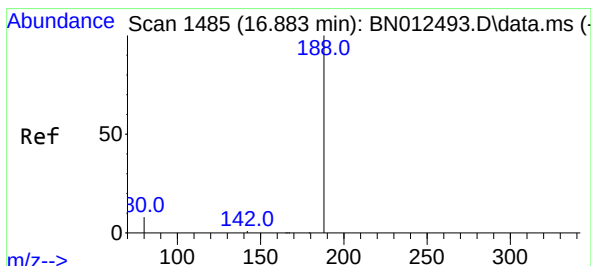
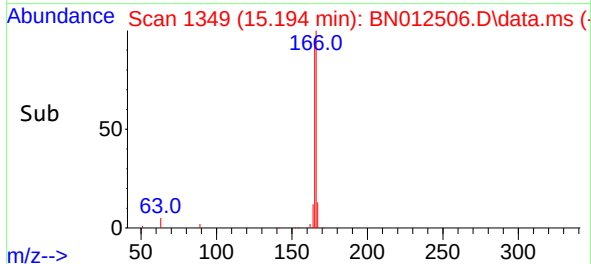
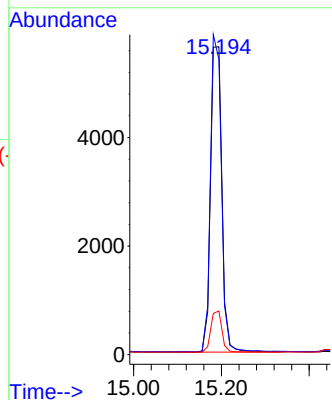
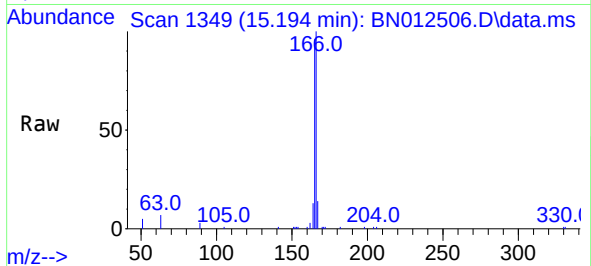




#18
Fluorene
Concen: 1.38 ng
RT: 15.194 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

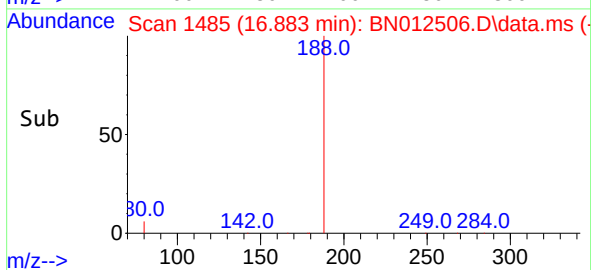
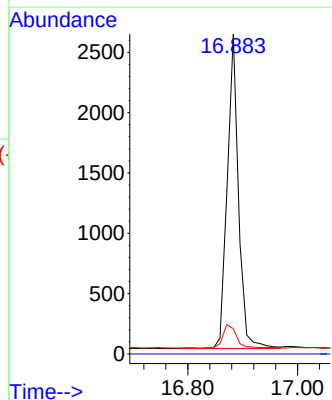
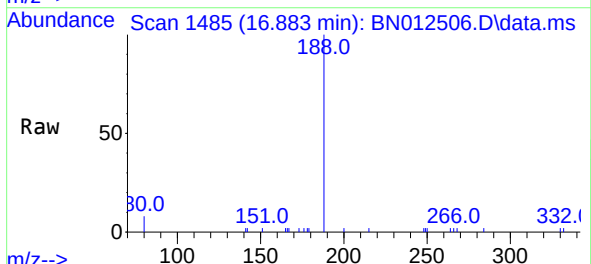
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

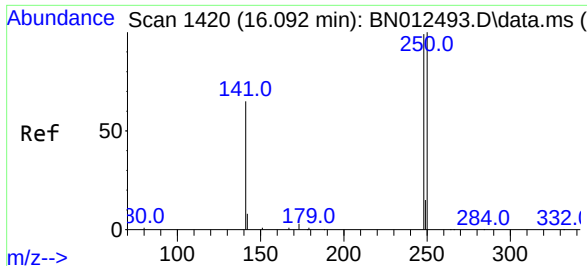
Tgt Ion:166 Resp: 10095
Ion Ratio Lower Upper
166 100
165 100.0 78.6 118.0
167 13.2 10.7 16.1



#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

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#

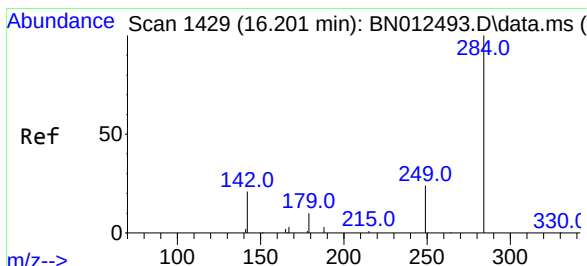
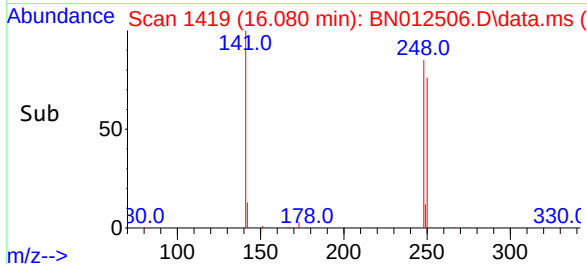
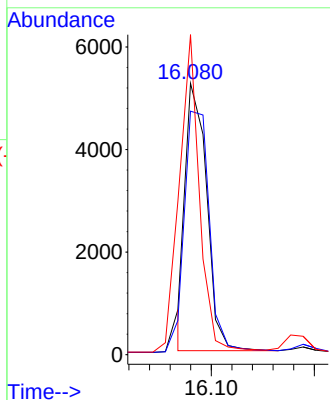
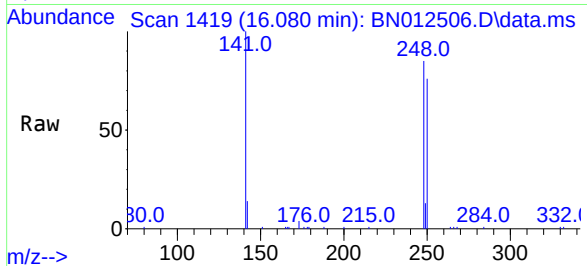




#21
4-Bromophenyl-phenylether
Concen: 3.47 ng
RT: 16.080 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

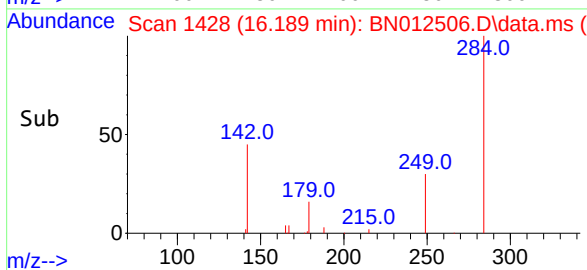
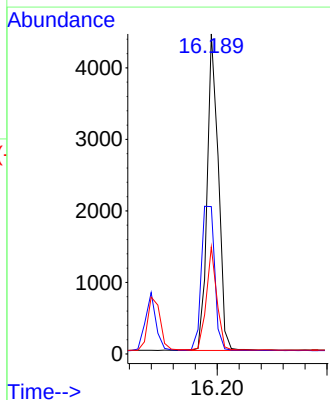
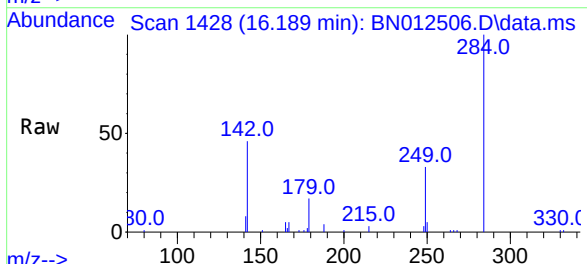
Instrument :
BNA_N
ClientSampled :
PT-BNA-SOILDL

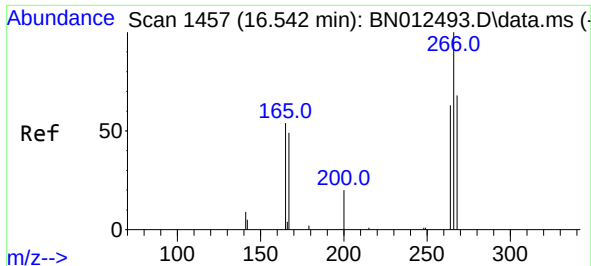
Tgt Ion:248 Resp: 7460
Ion Ratio Lower Upper
248 100
250 89.8 77.3 115.9
141 117.9 57.8 86.8#



#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

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

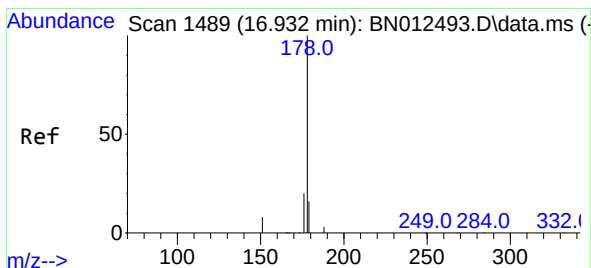
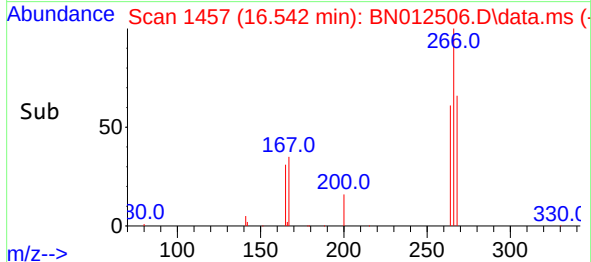
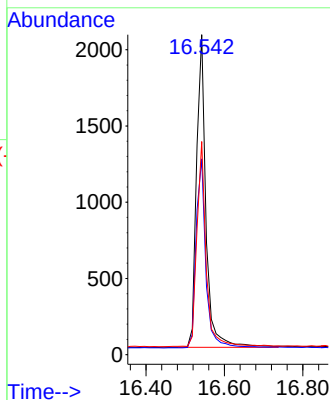
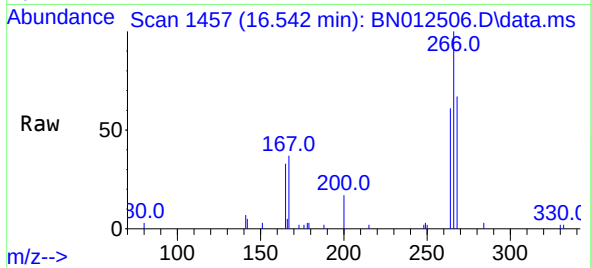




#24
Pentachlorophenol
Concen: 2.64 ng
RT: 16.542 min Scan# 1457
Delta R.T. 0.000 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

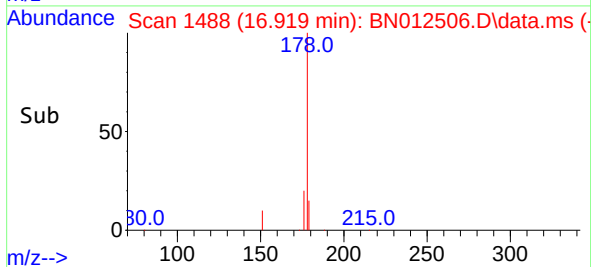
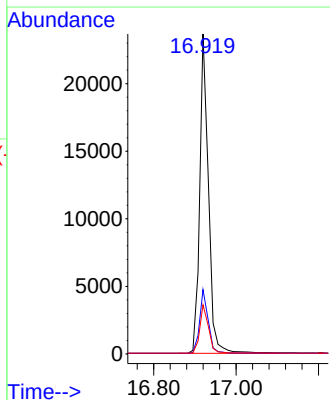
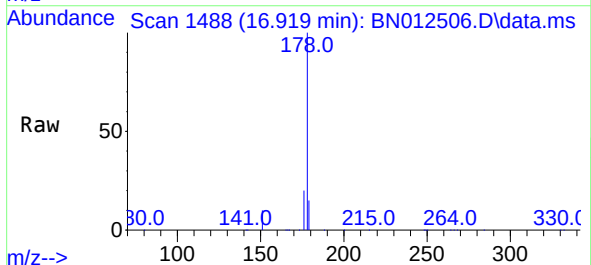
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

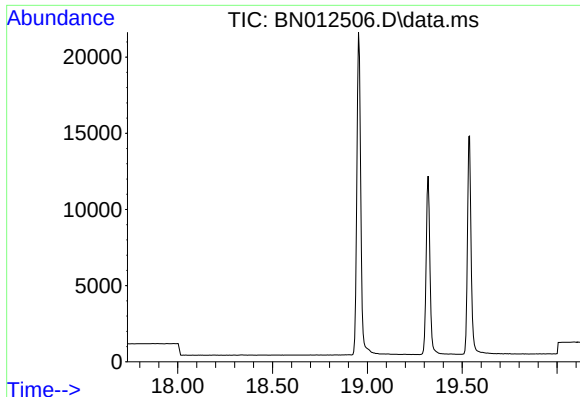
Tgt Ion:	266	Resp:	3458
Ion	Ratio	Lower	Upper
266	100		
264	62.3	50.9	76.3
268	63.0	51.5	77.3



#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



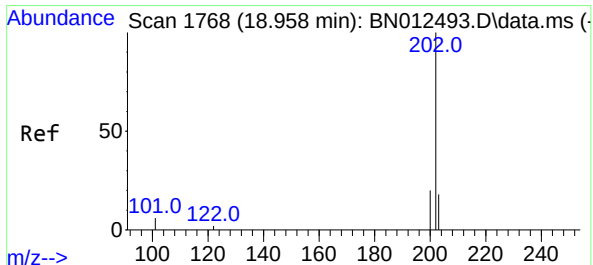
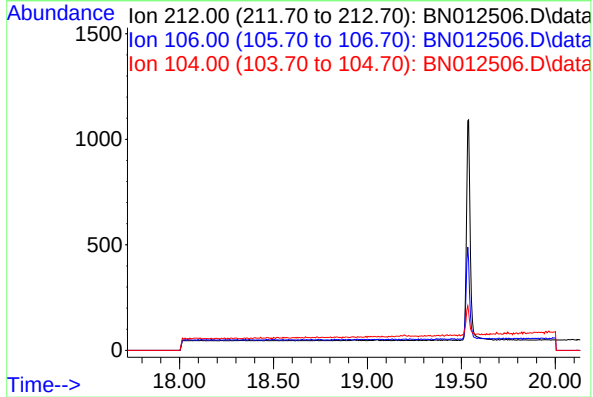


#27
 Fluoranthene-d10
 Concen: 0.00 ng
 Expected RT: 18.93 min
 Lab File: BN012506.D
 Acq: 05 Nov 2020 18:12

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILDL

Tgt Ion: 212

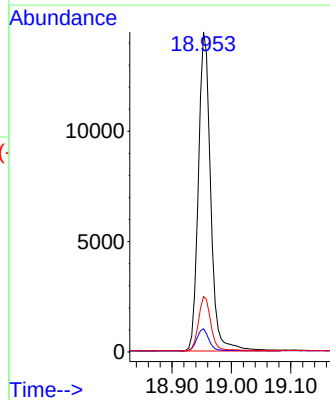
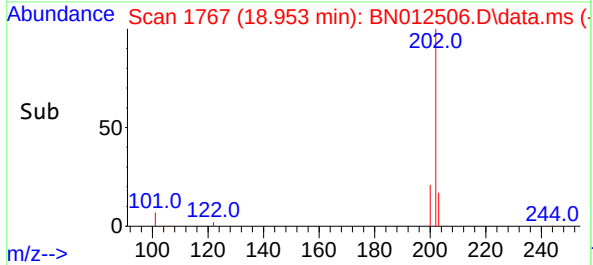
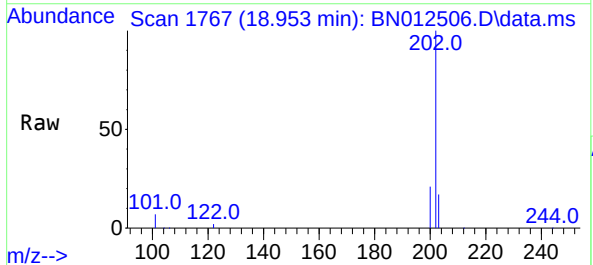
Sig	Exp Ratio
212	100
106	8.5
104	5.1

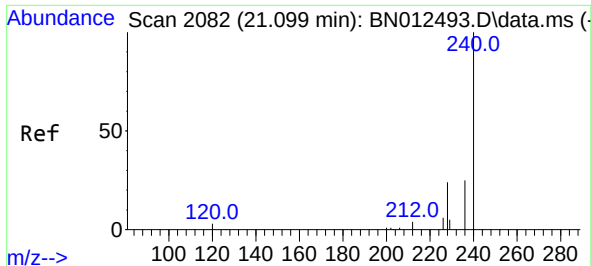


#28
 Fluoranthene
 Concen: 1.58 ng
 RT: 18.953 min Scan# 1767
 Delta R.T. -0.005 min
 Lab File: BN012506.D
 Acq: 05 Nov 2020 18:12

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

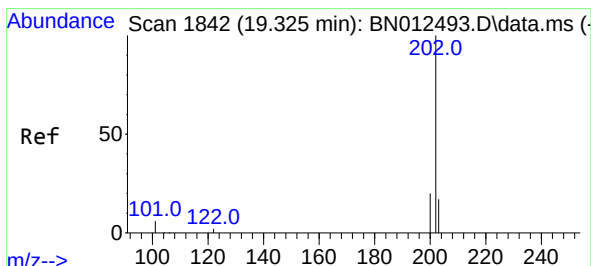
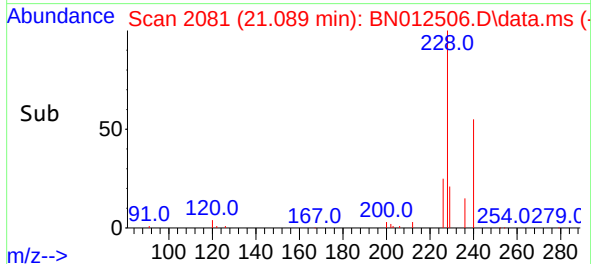
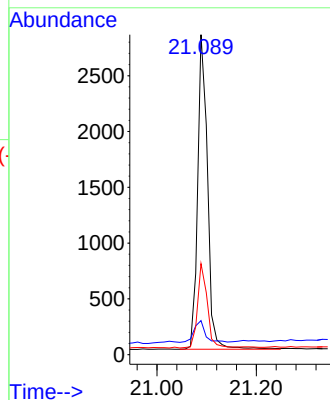
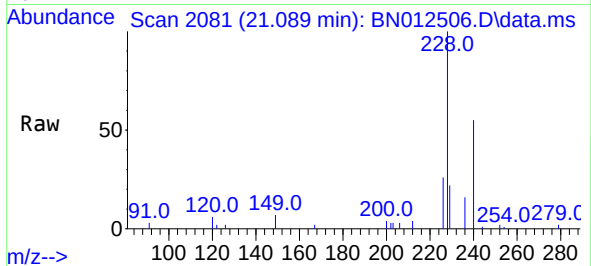




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.089 min Scan# 2081
Delta R.T. -0.011 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

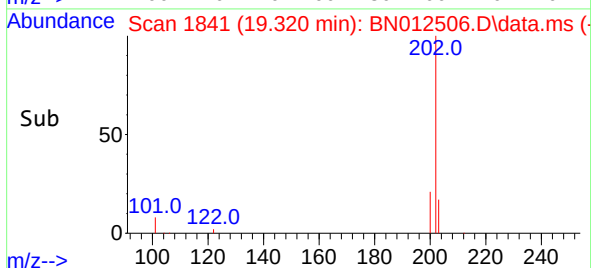
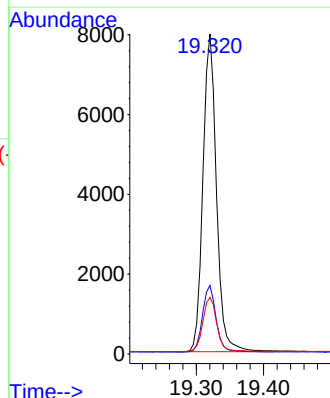
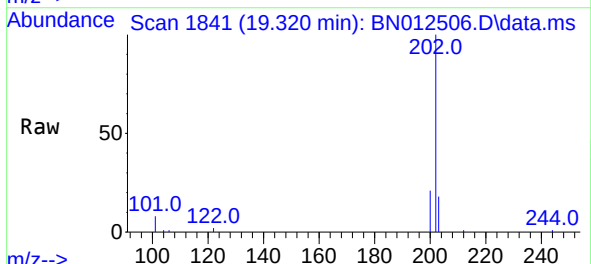
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

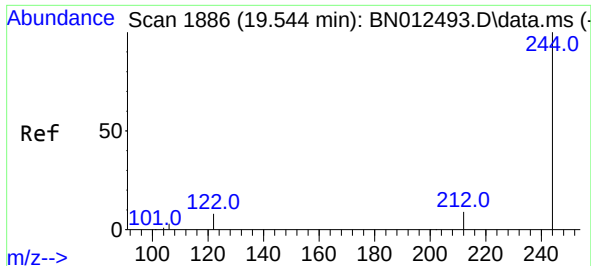
Tgt Ion:240 Resp: 3883
Ion Ratio Lower Upper
240 100
120 10.7 5.3 7.9#
236 28.5 21.8 32.8



#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

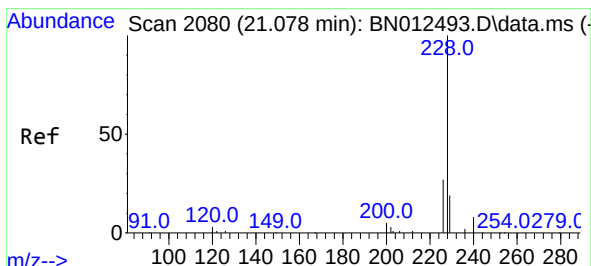
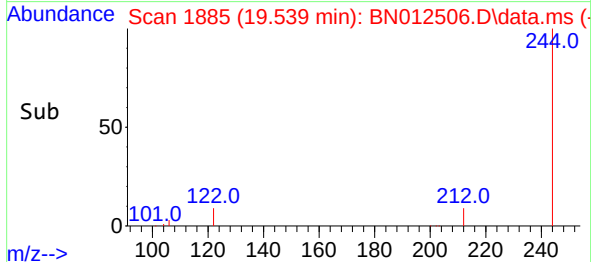
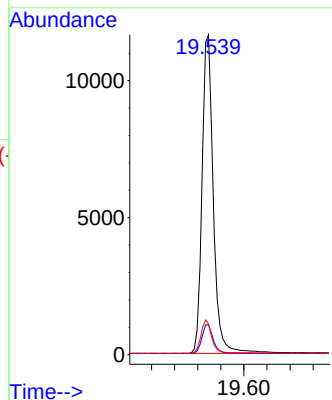
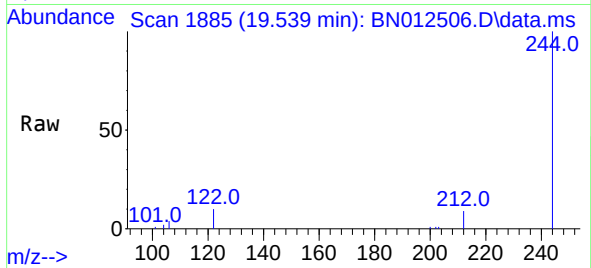




#31
 Terphenyl-d14
 Concen: 1.71 ng
 RT: 19.539 min Scan# 1885
 Delta R.T. -0.005 min
 Lab File: BN012506.D
 Acq: 05 Nov 2020 18:12

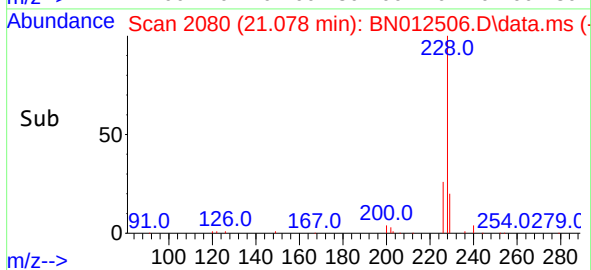
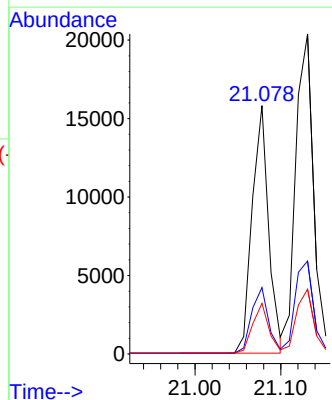
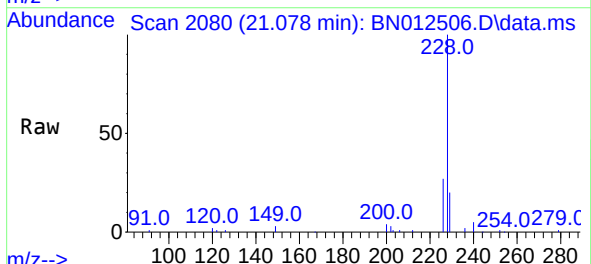
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILDL

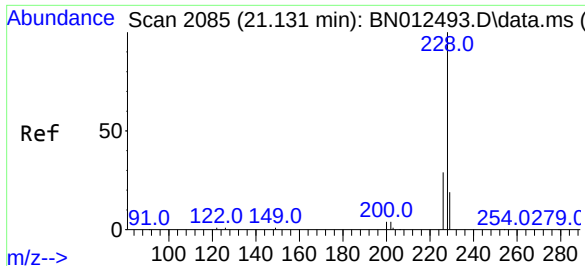
Tgt Ion:244	Resp:	15792
Ion Ratio	Lower	Upper
244	100	
212	9.4	7.3 10.9
122	9.6	7.3 10.9



#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

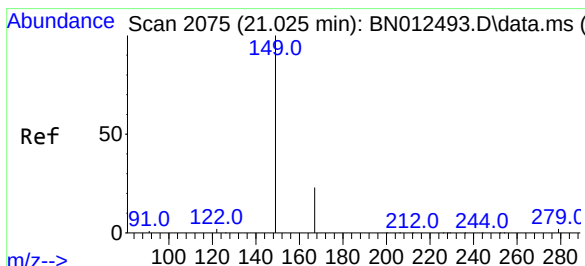
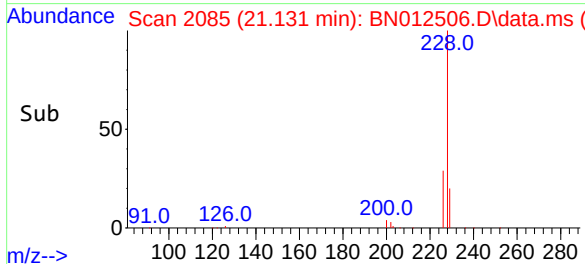
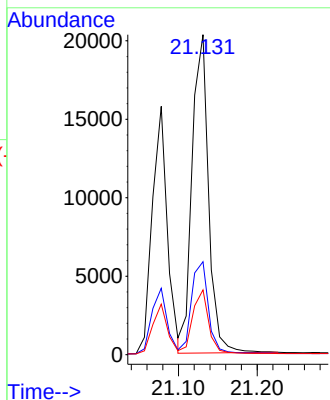
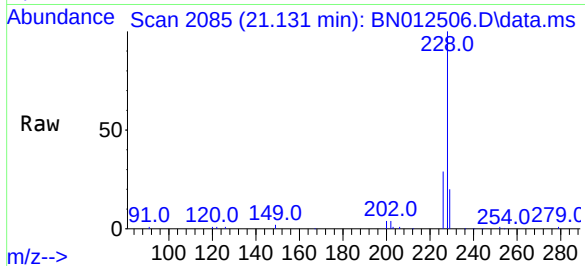




#33
Chrysene
Concen: 2.28 ng
RT: 21.131 min Scan# 2085
Delta R.T. 0.000 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

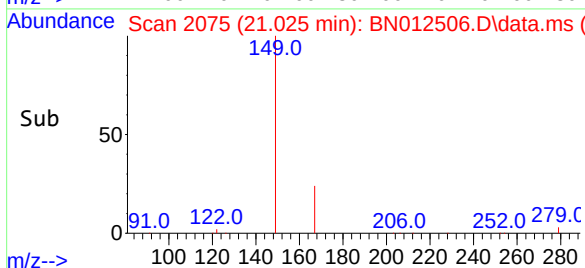
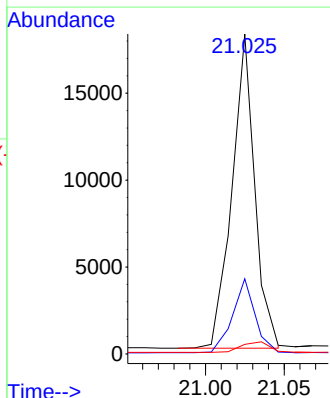
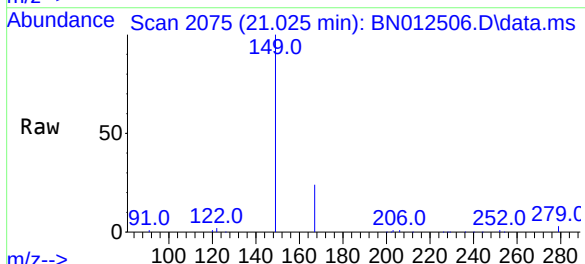
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

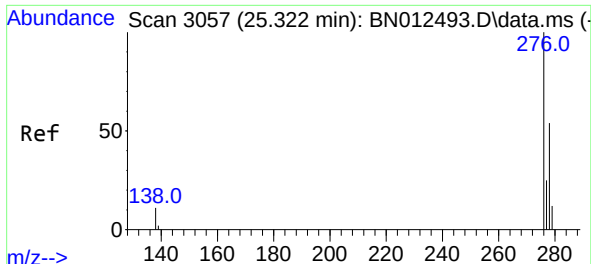
Tgt Ion:	228	Resp:	29536
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.2	36.2
229	20.2	15.7	23.5



#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

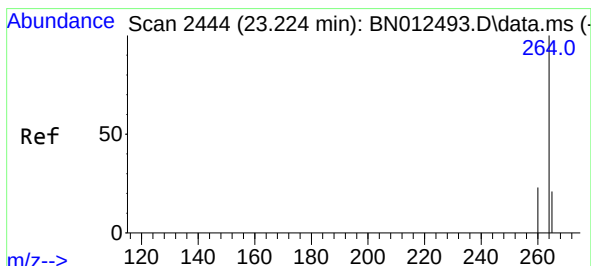
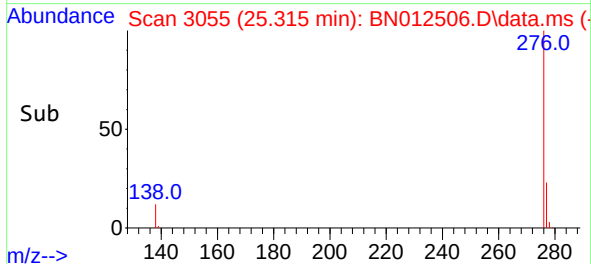
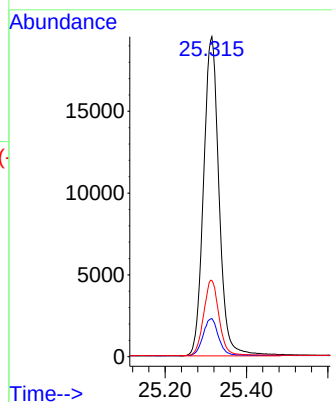
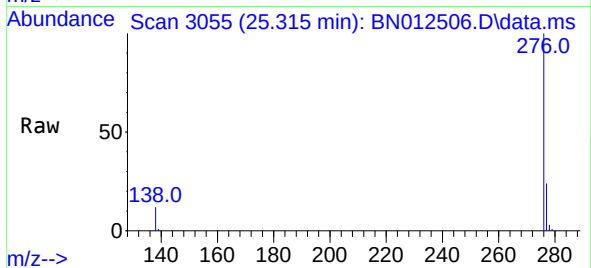




#35
Indeno(1,2,3-cd)pyrene
Concen: 2.66 ng
RT: 25.315 min Scan# 3055
Delta R.T. -0.007 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

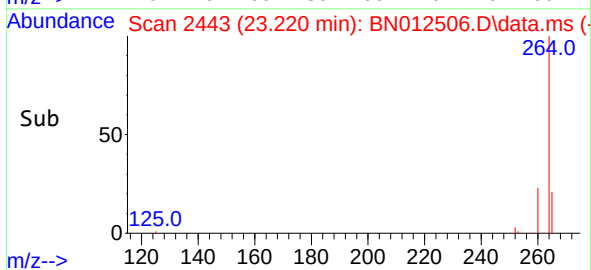
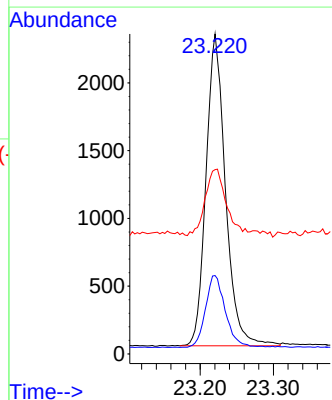
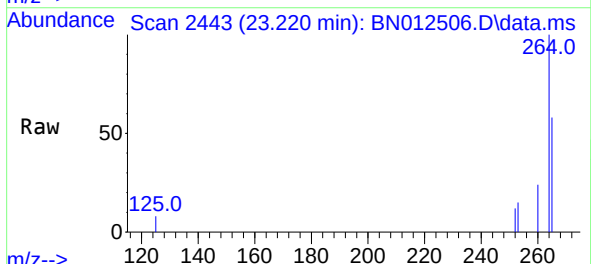
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

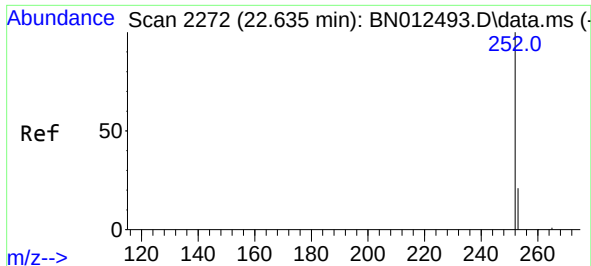
Tgt Ion:276 Resp: 51723
Ion Ratio Lower Upper
276 100
138 11.6 13.3 19.9#
277 23.7 20.2 30.4



#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

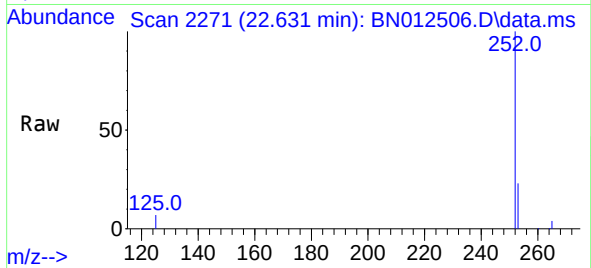
Tgt Ion:264 Resp: 4249
Ion Ratio Lower Upper
264 100
260 24.5 19.8 29.6
265 57.6 51.4 77.0



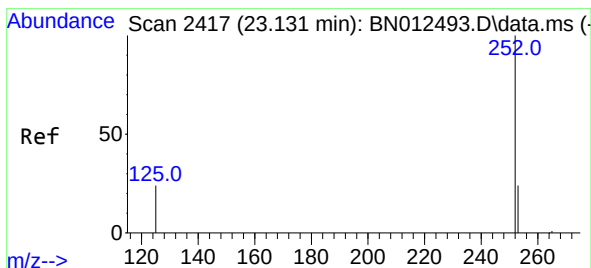
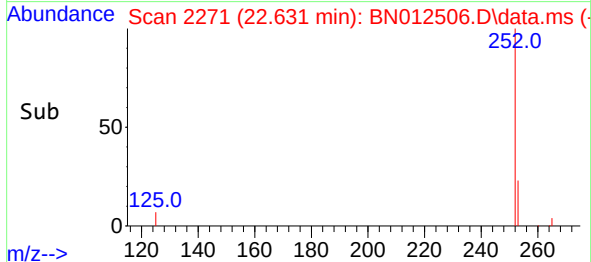
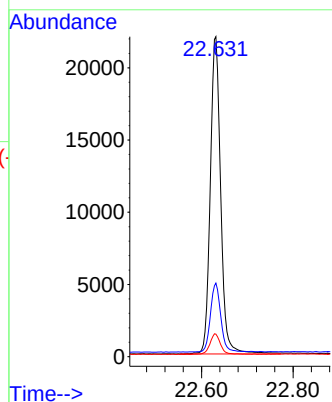


#38
Benzo(k)fluoranthene
Concen: 2.40 ng
RT: 22.631 min Scan# 2271
Delta R.T. -0.003 min
Lab File: BN012506.D
Acq: 05 Nov 2020 18:12

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD



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#



#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

