

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110520\
 Data File : BN012503.D
 Acq On : 05 Nov 2020 16:25
 Operator : CG/JU
 Sample : L4548-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: Nov 05 16:54:56 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

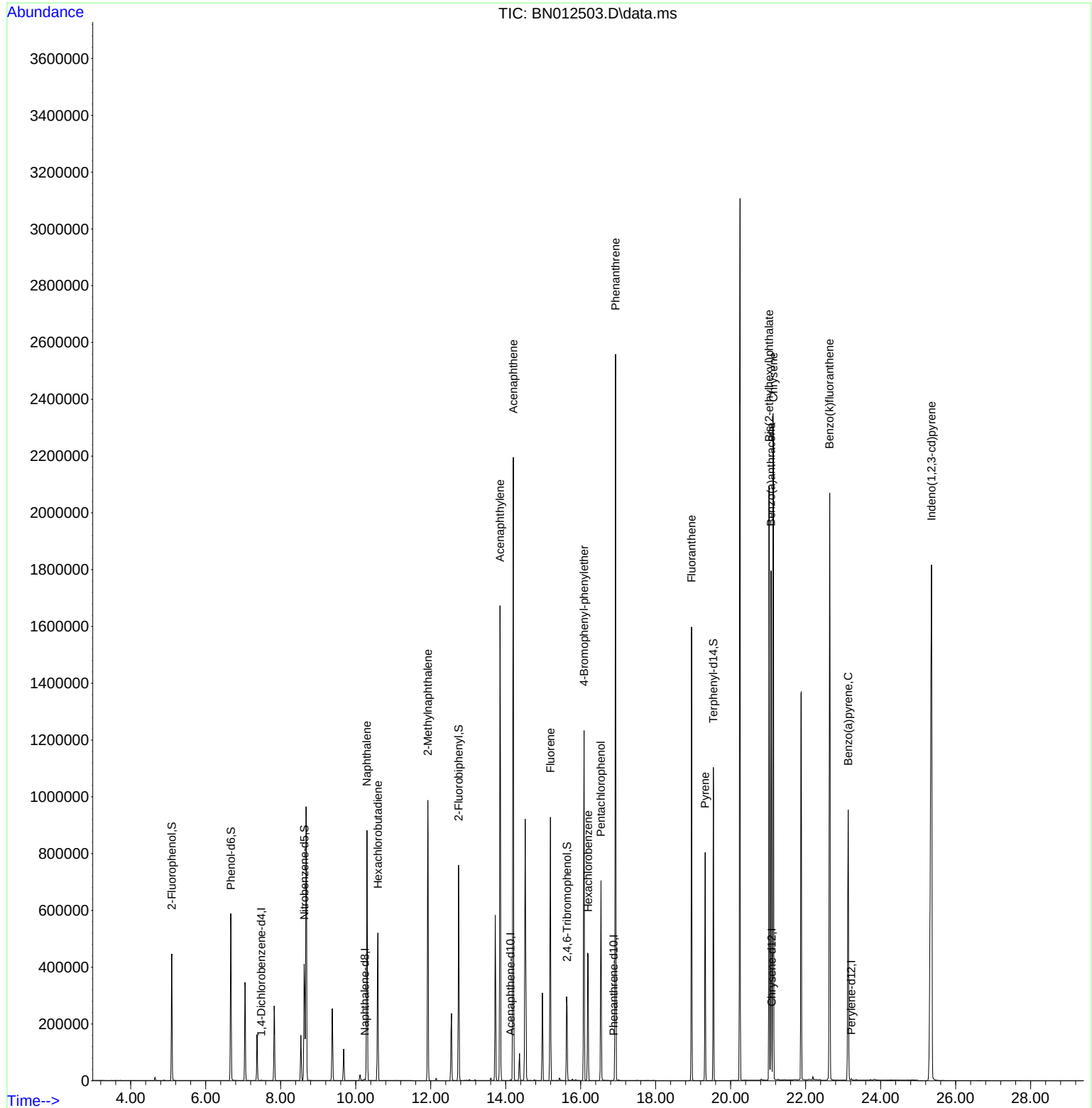
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.482	152	575	0.40	ng	# 0.00
7) Naphthalene-d8	10.250	136	2477	0.40	ng	# 0.00
13) Acenaphthene-d10	14.128	164	1489	0.40	ng	-0.01
19) Phenanthrene-d10	16.883	188	3647	0.40	ng	# 0.00
29) Chrysene-d12	21.099	240	4571	0.40	ng	# 0.00
36) Perylene-d12	23.220	264	5215	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.098	112	255622	127.16	ng	0.00
5) Phenol-d6	6.676	99	338408	143.90	ng	0.00
8) Nitrobenzene-d5	8.628	82	306701	104.62	ng	-0.01
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.00	ng	
14) 2,4,6-Tribromophenol	15.638	330	189235	175.02	ng	0.00
15) 2-Fluorobiphenyl	12.746	172	547734	94.33	ng	-0.01
27) Fluoranthene-d10	0.000	212	0d	0.00	ng	
31) Terphenyl-d14	19.539	244	994155	91.23	ng	0.00
Target Compounds						
9) Naphthalene	10.301	128	979444	140.93	ng	Qvalue 96
10) Hexachlorobutadiene	10.592	225	356074	234.83	ng	# 100
12) 2-Methylnaphthalene	11.927	142	581577	129.80	ng	# 91
16) Acenaphthylene	13.849	152	1716892	229.98	ng	100
17) Acenaphthene	14.205	154	996180	209.69	ng	94
18) Fluorene	15.194	166	514460	84.93	ng	99
21) 4-Bromophenyl-phenylether	16.092	248	505366	239.52	ng	# 89
22) Hexachlorobenzene	16.201	284	335365	122.17	ng	# 85
24) Pentachlorophenol	16.542	266	251774	195.68	ng	99
25) Phenanthrene	16.932	178	2167138	200.83	ng	99
28) Fluoranthene	18.958	202	1286979	99.93	ng	99
30) Pyrene	19.320	202	664809	43.27	ng	99
32) Benzo(a)anthracene	21.078	228	1483410	101.94	ng	100
33) Chrysene	21.142	228	2050714	134.58	ng	96
34) Bis(2-ethylhexyl)phtha...	21.025	149	1730171	175.31	ng	# 90
35) Indeno(1,2,3-cd)pyrene	25.356	276	3518710	153.51	ng	97
38) Benzo(k)fluoranthene	22.642	252	2411218	136.02	ng	96
39) Benzo(a)pyrene	23.135	252	1195896	73.45	ng	93

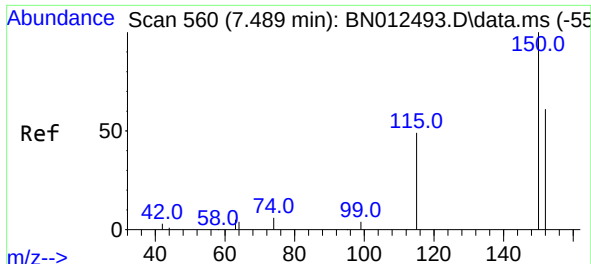
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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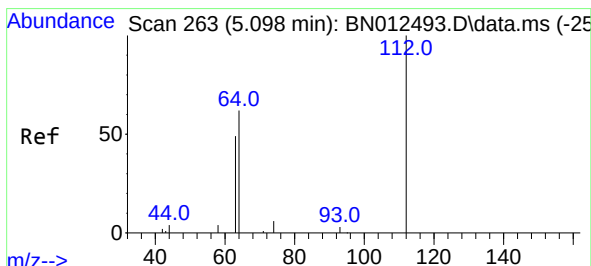
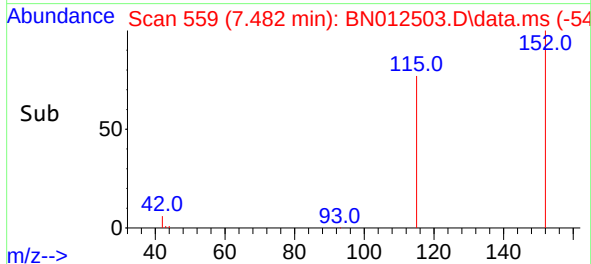
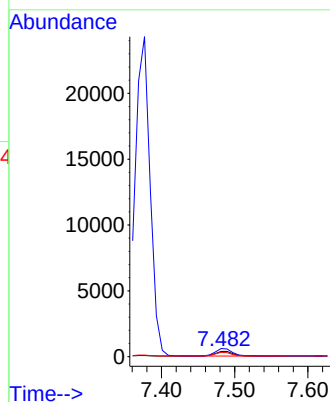
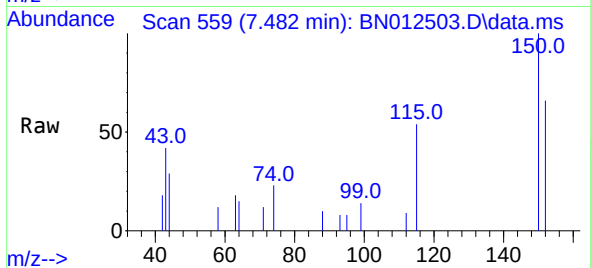




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.482 min Scan# 559
Delta R.T. -0.007 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

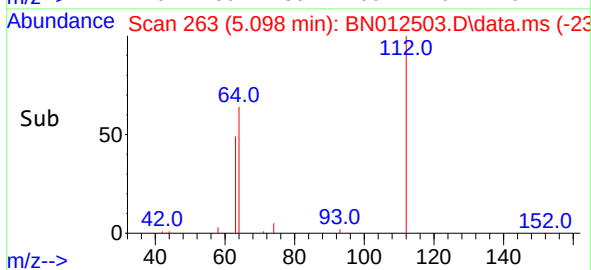
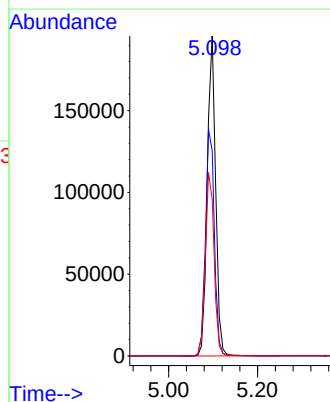
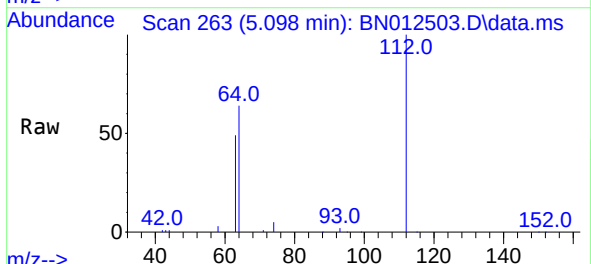
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

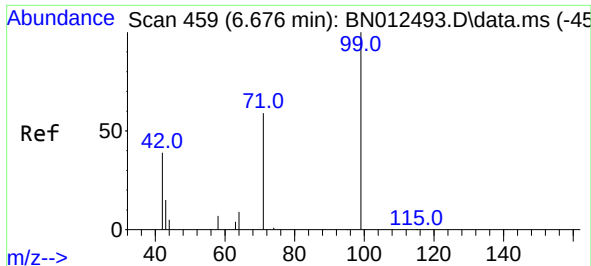
Tgt Ion:152 Resp: 575
Ion Ratio Lower Upper
152 100
150 151.1 116.6 174.8
115 81.8 52.9 79.3#



#4
2-Fluorophenol
Concen: 127.16 ng
RT: 5.098 min Scan# 263
Delta R.T. 0.000 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

Tgt Ion:112 Resp: 255622
Ion Ratio Lower Upper
112 100
64 75.4 49.5 74.3#
63 60.2 32.0 48.0#

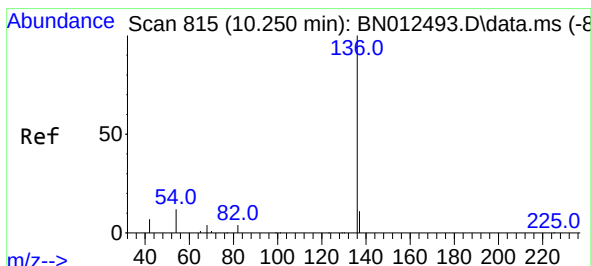
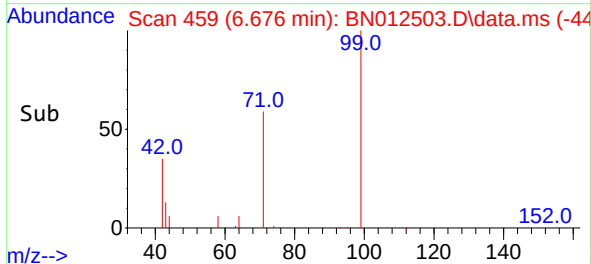
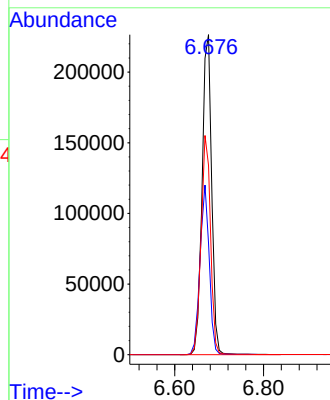
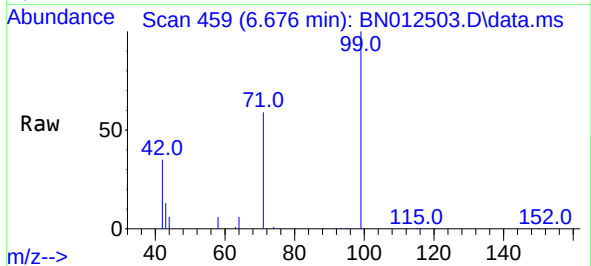




#5
Phenol-d6
Concen: 143.90 ng
RT: 6.676 min Scan# 459
Delta R.T. 0.000 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

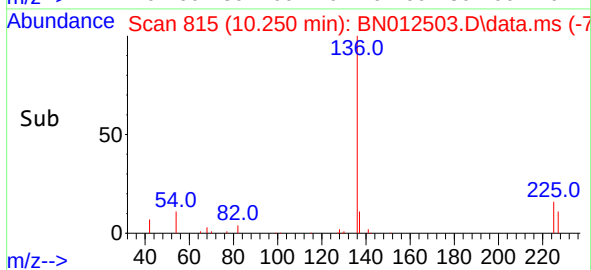
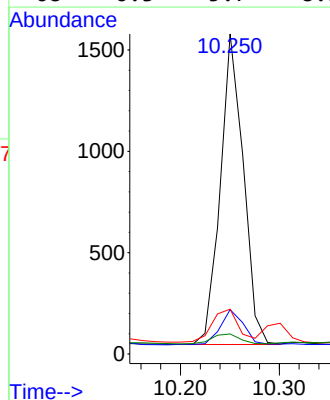
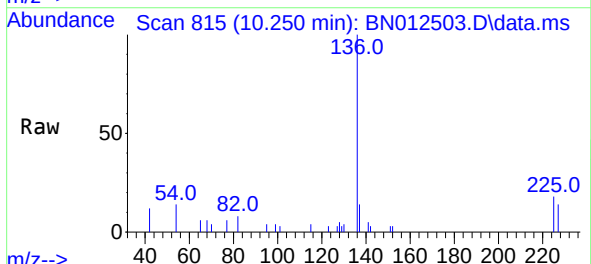
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ClientSampleId :
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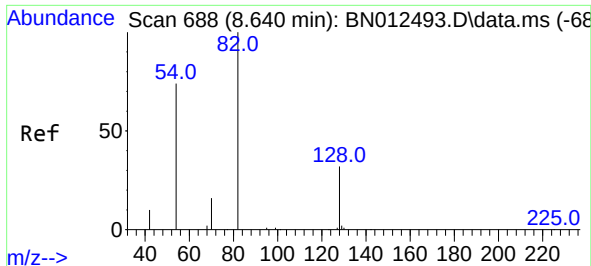
Tgt Ion: 99 Resp: 338408
Ion Ratio Lower Upper
99 100
42 51.4 22.4 33.6#
71 67.9 37.8 56.6#



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.250 min Scan# 815
Delta R.T. 0.000 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

Tgt Ion:136 Resp: 2477
Ion Ratio Lower Upper
136 100
137 13.9 10.6 15.8
54 14.0 8.6 12.8#
68 6.3 5.7 8.5

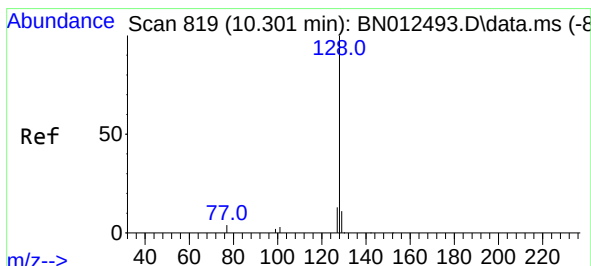
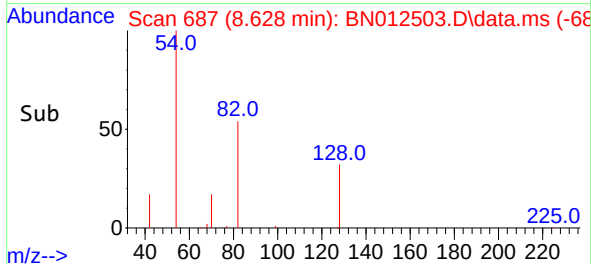
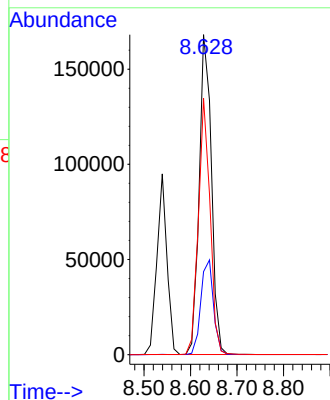
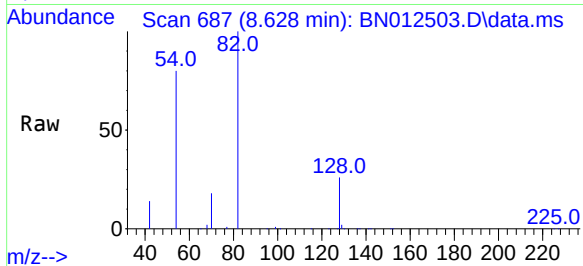




#8
Nitrobenzene-d5
Concen: 104.62 ng
RT: 8.628 min Scan# 687
Delta R.T. -0.013 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

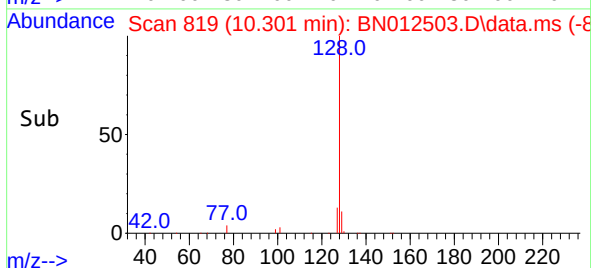
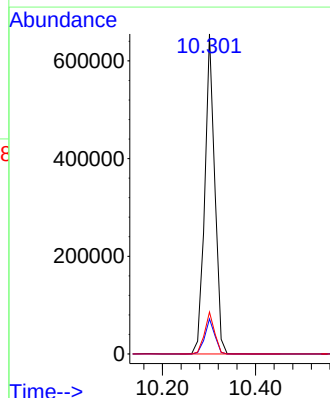
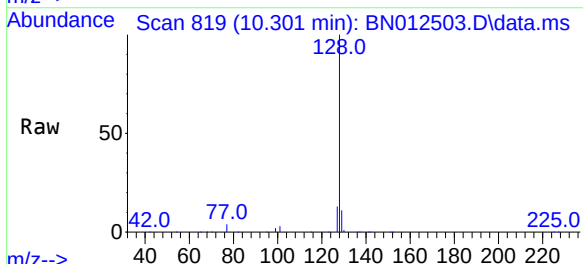
Instrument :
BNA_N
ClientSampled :
PT-BNA-SOIL

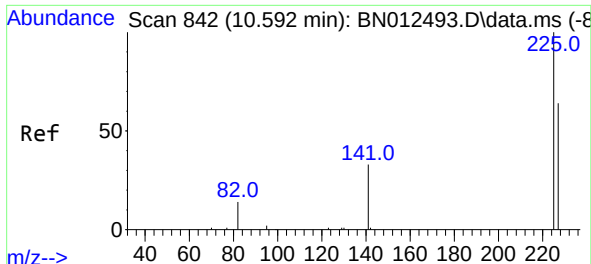
Tgt Ion: 82 Resp: 306701
Ion Ratio Lower Upper
82 100
128 26.0 30.6 46.0#
54 80.1 48.3 72.5#



#9
Naphthalene
Concen: 140.93 ng
RT: 10.301 min Scan# 819
Delta R.T. 0.000 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

Tgt Ion:128 Resp: 979444
Ion Ratio Lower Upper
128 100
129 11.0 9.8 14.8
127 13.1 12.2 18.4

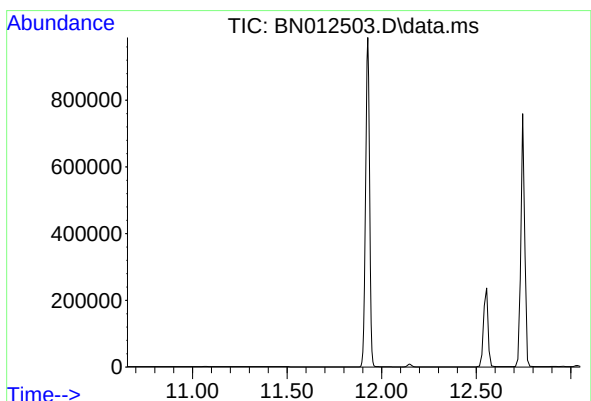
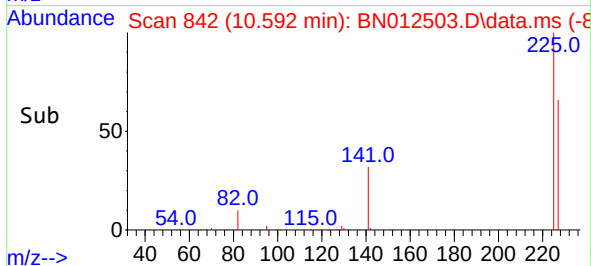
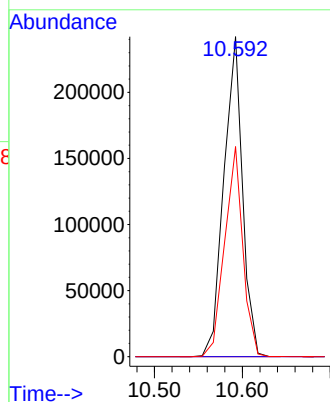
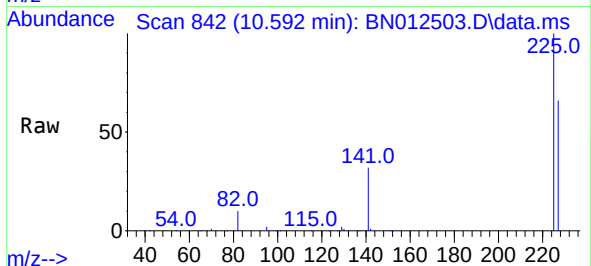




#10
Hexachlorobutadiene
Concen: 234.83 ng
RT: 10.592 min Scan# 842
Delta R.T. 0.000 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

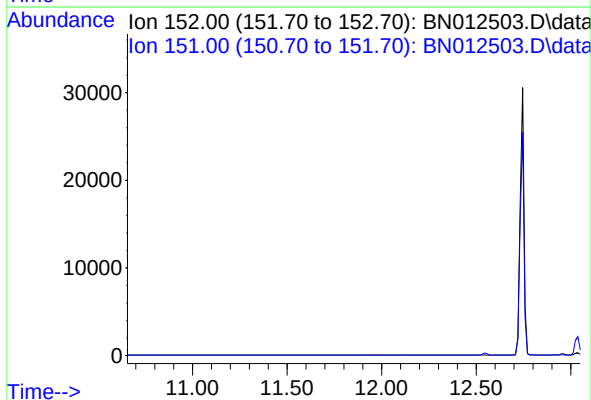
Tgt Ion:225 Resp: 356074
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.2 51.0 76.6

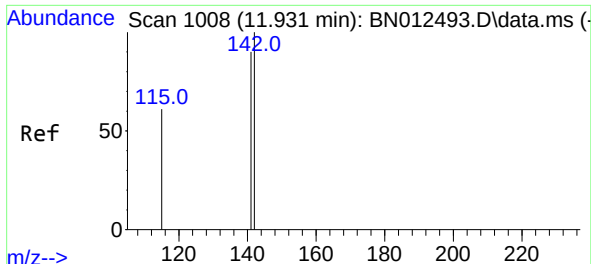


#11
2-Methylnaphthalene-d10
Concen: 0.00 ng
Expected RT: 11.86 min

Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

Tgt Ion: 152
Sig Exp Ratio
152 100
151 20.9

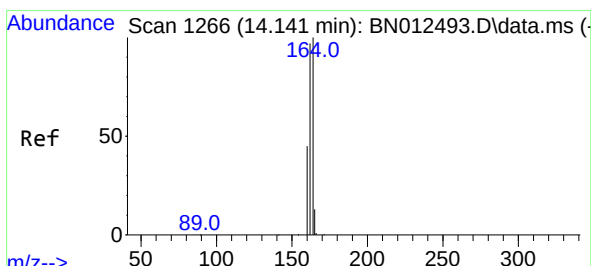
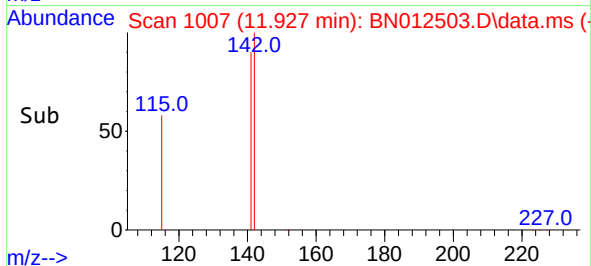
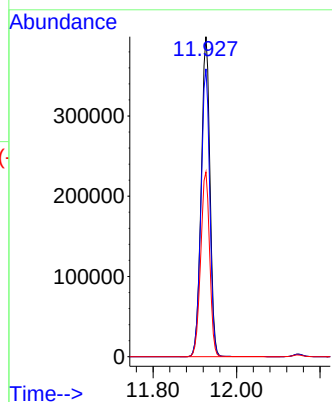
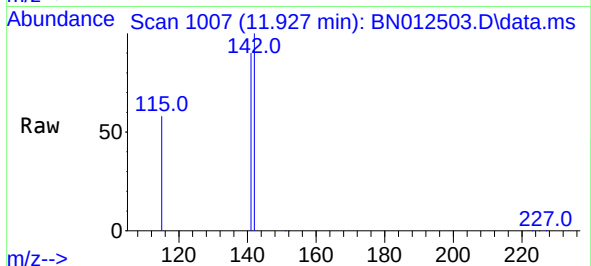




#12
2-Methylnaphthalene
Concen: 129.80 ng
RT: 11.927 min Scan# 1007
Delta R.T. -0.004 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

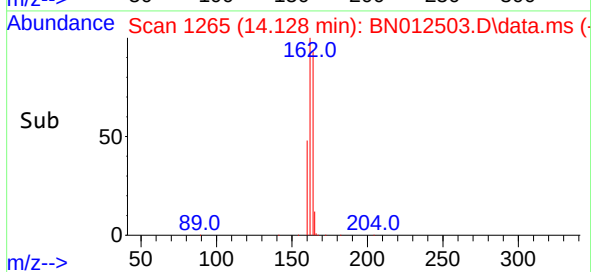
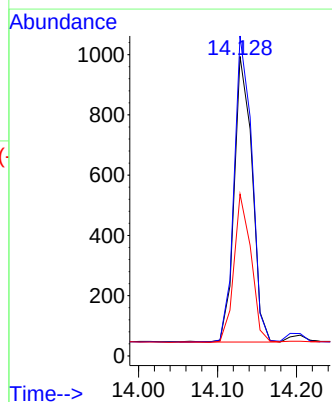
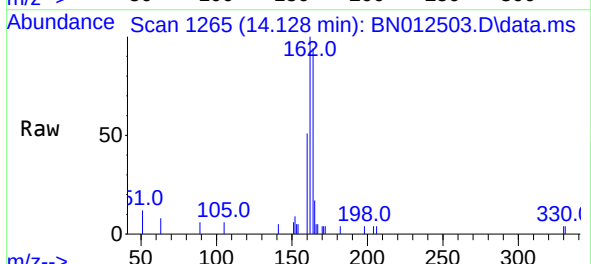
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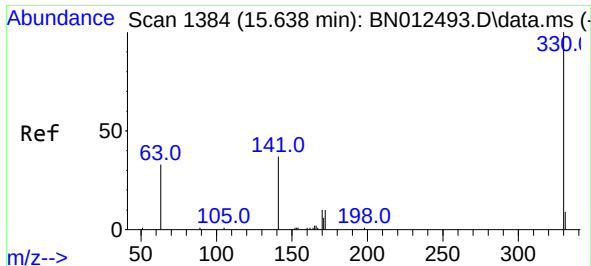
Tgt Ion:142 Resp: 581577
Ion Ratio Lower Upper
142 100
141 90.0 69.4 104.2
115 57.7 35.7 53.5#



#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.128 min Scan# 1265
Delta R.T. -0.013 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

Tgt Ion:164 Resp: 1489
Ion Ratio Lower Upper
164 100
162 106.8 80.6 120.8
160 54.0 39.5 59.3

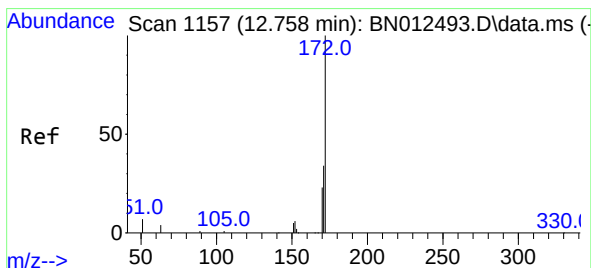
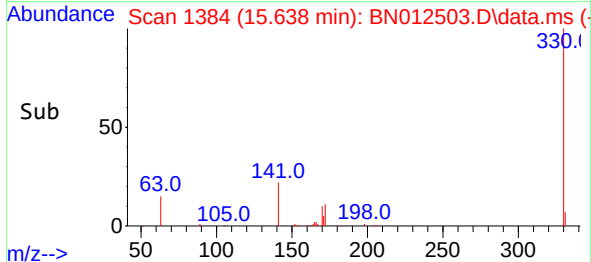
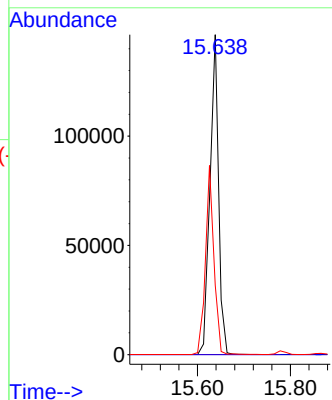
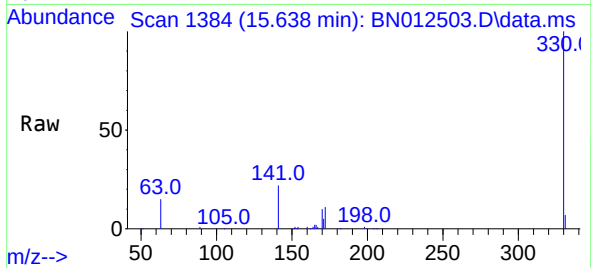




#14
2,4,6-Tribromophenol
Concen: 175.02 ng
RT: 15.638 min Scan# 1384
Delta R.T. 0.000 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

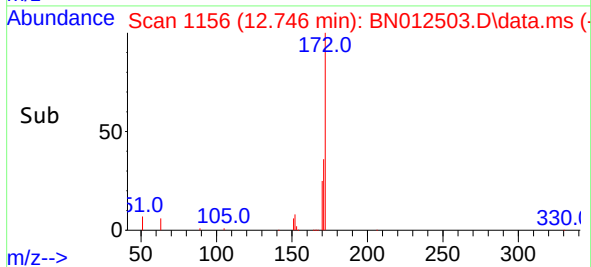
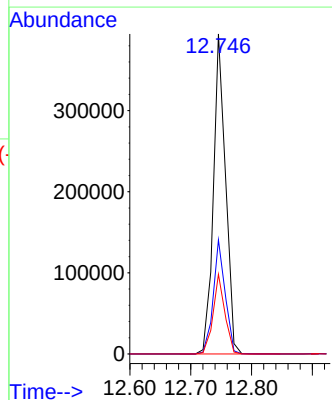
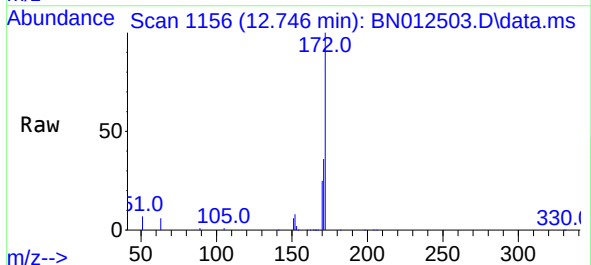
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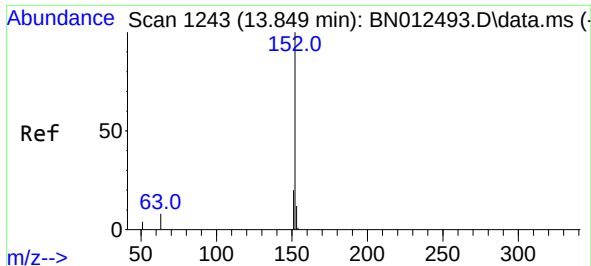
Tgt Ion:330 Resp: 189235
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 58.5 34.4 51.6#



#15
2-Fluorobiphenyl
Concen: 94.33 ng
RT: 12.746 min Scan# 1156
Delta R.T. -0.013 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

Tgt Ion:172 Resp: 547734
Ion Ratio Lower Upper
172 100
171 35.6 28.2 42.4
170 24.9 20.0 30.0

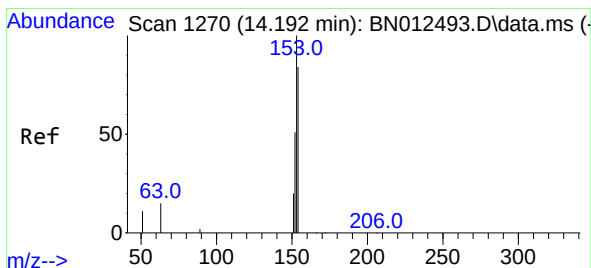
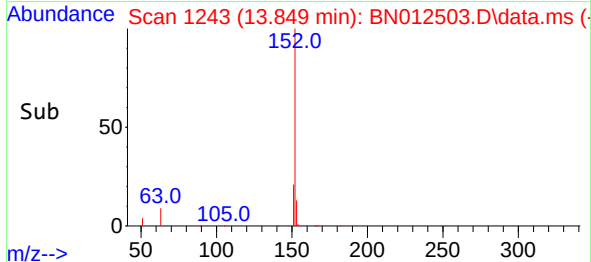
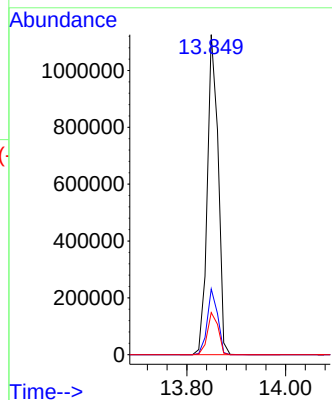
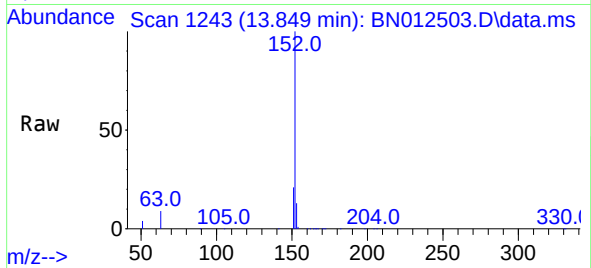




#16
Acenaphthylene
Concen: 229.98 ng
RT: 13.849 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

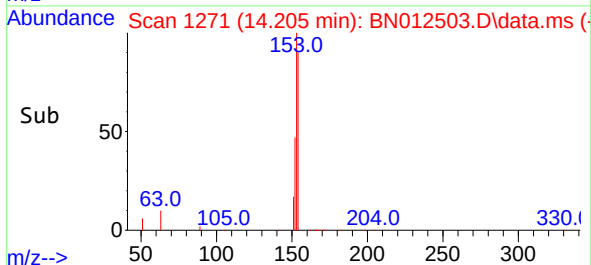
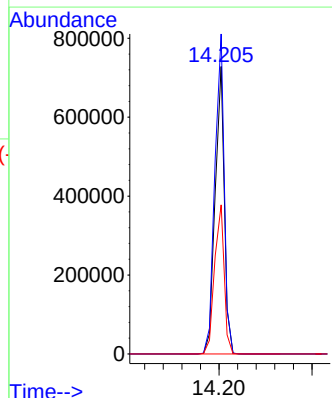
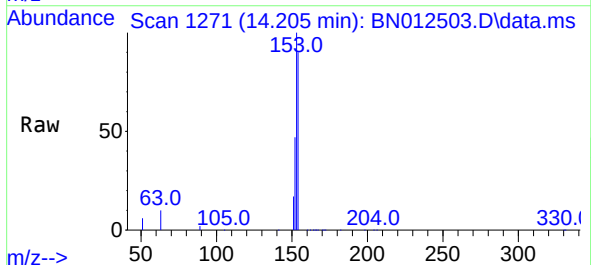
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

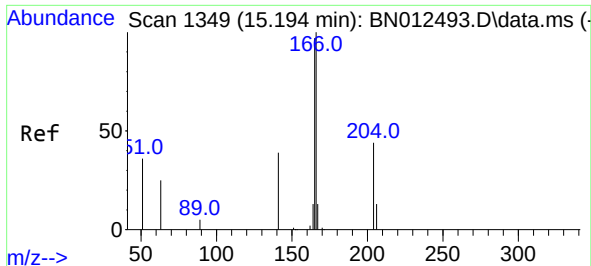
Tgt Ion:152 Resp: 1716892
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.8
153 13.3 10.6 16.0



#17
Acenaphthene
Concen: 209.69 ng
RT: 14.205 min Scan# 1271
Delta R.T. 0.013 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

Tgt Ion:154 Resp: 996180
Ion Ratio Lower Upper
154 100
153 114.0 83.6 125.4
152 54.5 43.9 65.9

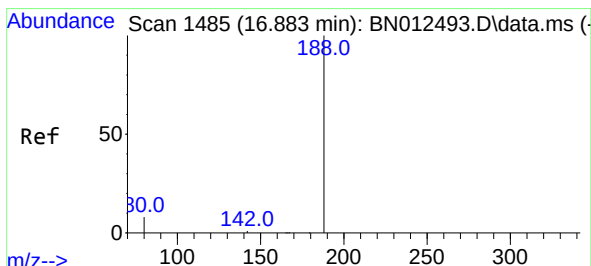
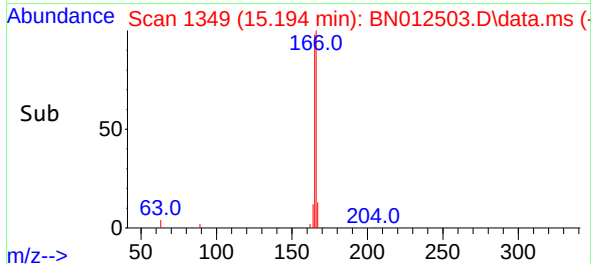
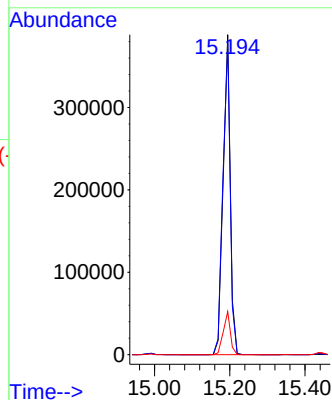
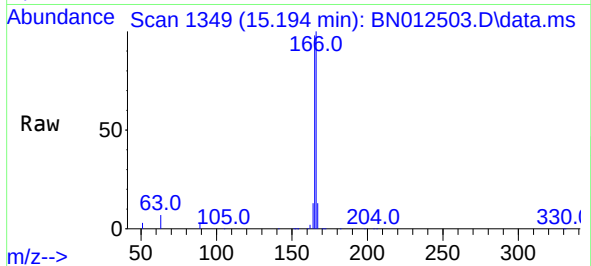




#18
Fluorene
Concen: 84.93 ng
RT: 15.194 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

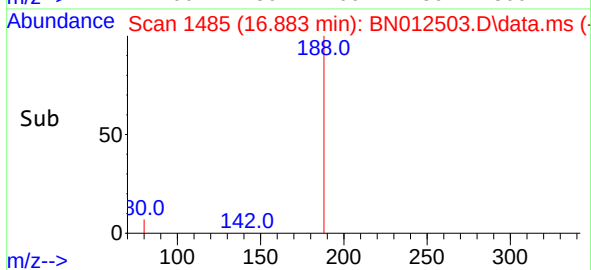
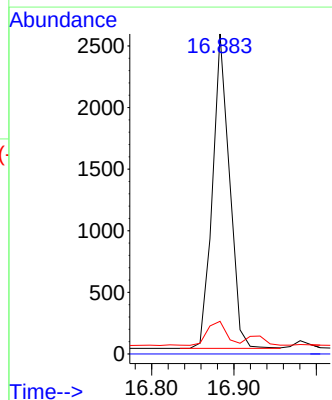
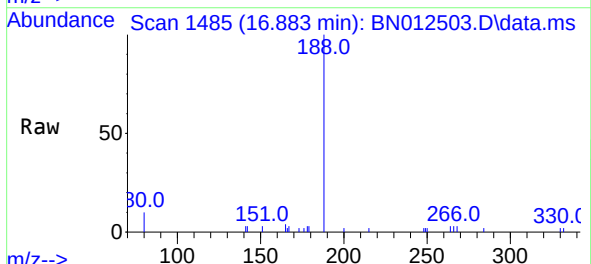
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BNA_N
ClientSampled :
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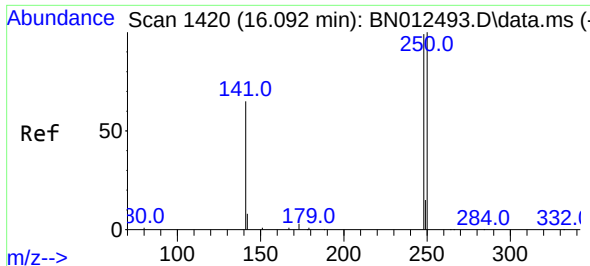
Tgt Ion:166 Resp: 514460
Ion Ratio Lower Upper
166 100
165 99.5 78.6 118.0
167 13.3 10.7 16.1



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.883 min Scan# 1485
Delta R.T. 0.000 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

Tgt Ion:188 Resp: 3647
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.2 5.0 7.4#

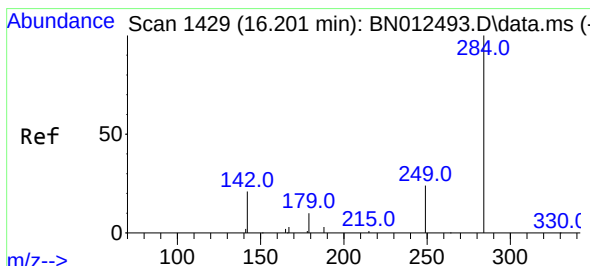
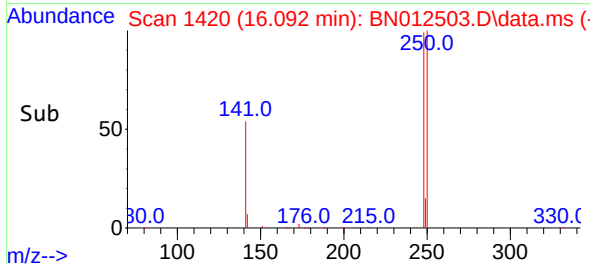
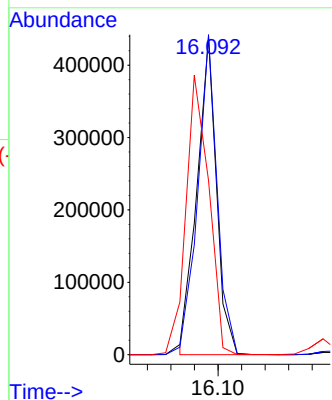
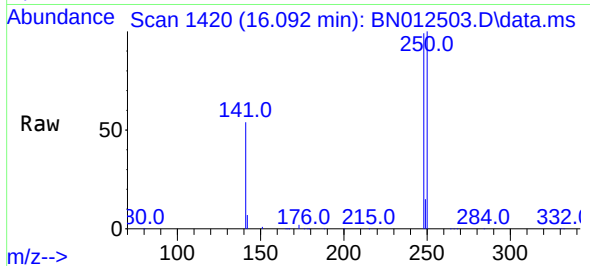




#21
4-Bromophenyl-phenylether
Concen: 239.52 ng
RT: 16.092 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

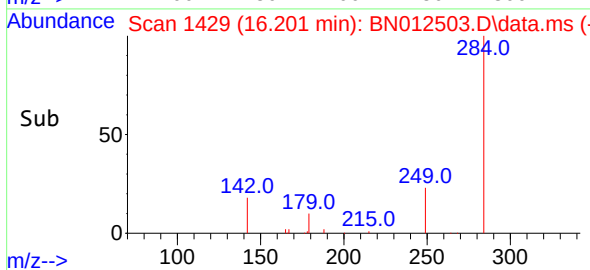
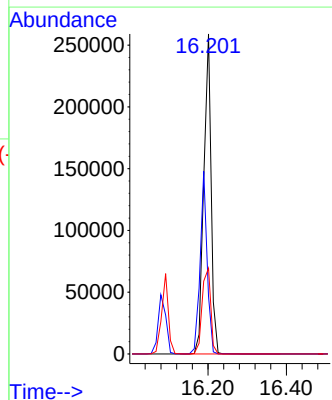
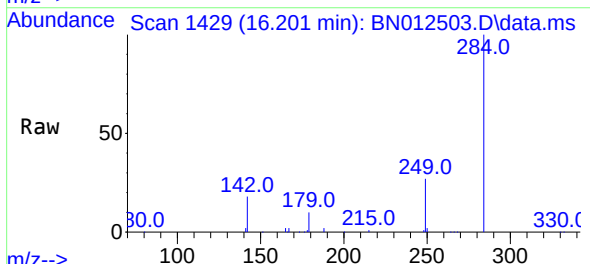
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BNA_N
ClientSampleId :
PT-BNA-SOIL

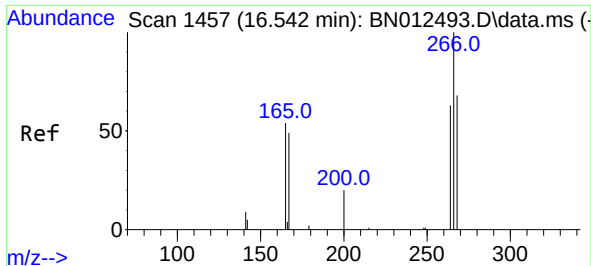
Tgt Ion:248 Resp: 505366
Ion Ratio Lower Upper
248 100
250 100.7 77.3 115.9
141 54.8 57.8 86.8#



#22
Hexachlorobenzene
Concen: 122.17 ng
RT: 16.201 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

Tgt Ion:284 Resp: 335365
Ion Ratio Lower Upper
284 100
142 55.2 32.0 48.0#
249 31.4 27.0 40.6

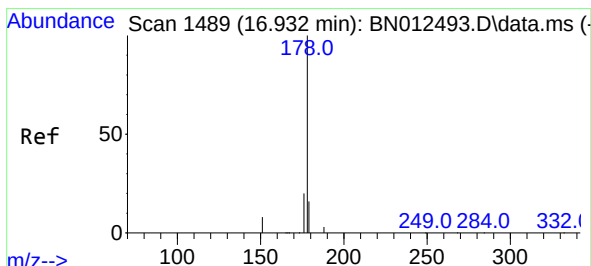
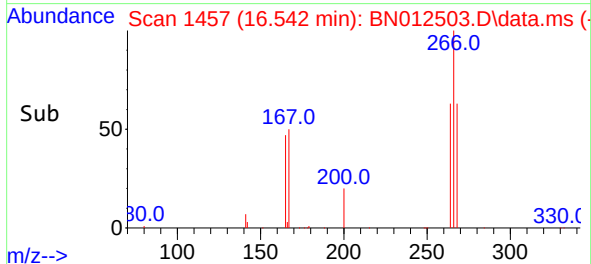
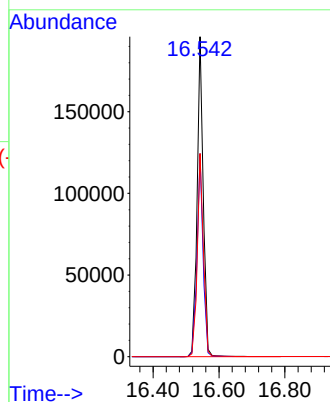
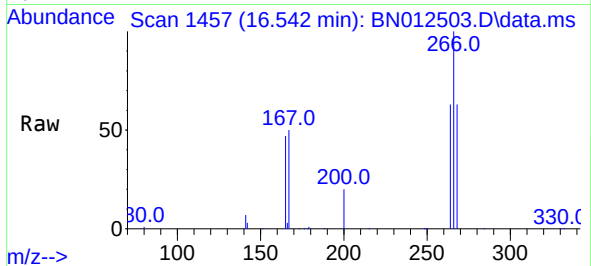




#24
Pentachlorophenol
Concen: 195.68 ng
RT: 16.542 min Scan# 1457
Delta R.T. 0.000 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

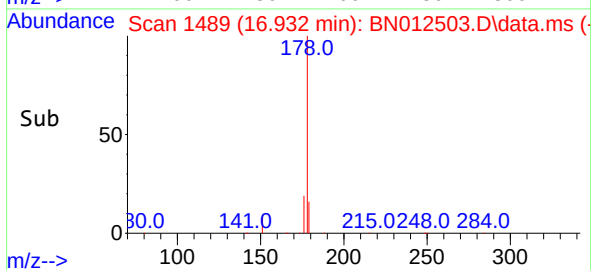
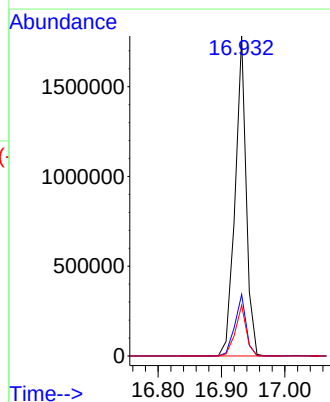
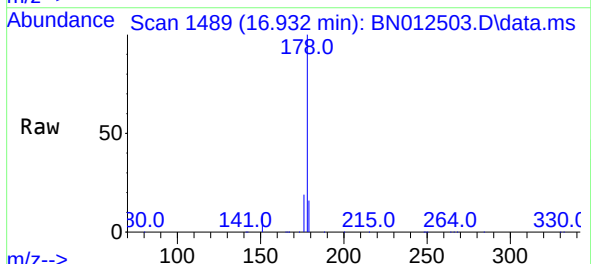
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

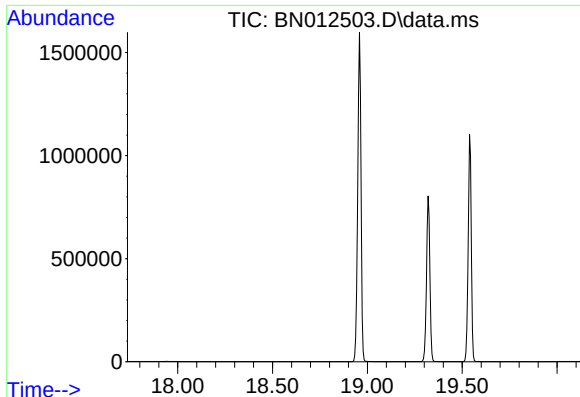
Tgt Ion:266 Resp: 251774
Ion Ratio Lower Upper
266 100
264 62.8 50.9 76.3
268 64.0 51.5 77.3



#25
Phenanthrene
Concen: 200.83 ng
RT: 16.932 min Scan# 1489
Delta R.T. 0.000 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

Tgt Ion:178 Resp: 2167138
Ion Ratio Lower Upper
178 100
176 19.5 14.8 22.2
179 15.7 12.4 18.6

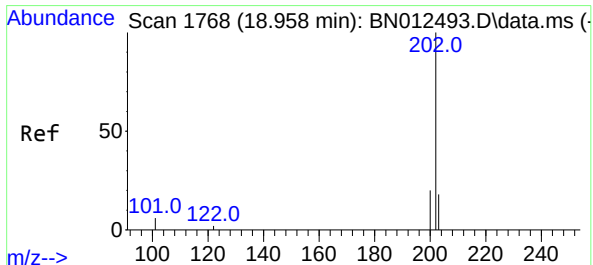
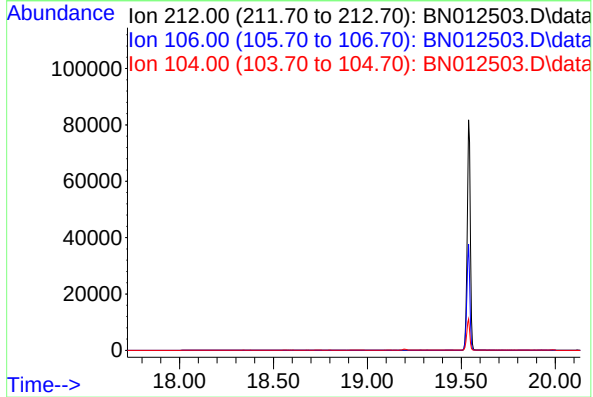




#27
 Fluoranthene-d10
 Concen: 0.00 ng
 Expected RT: 18.93 min
 Lab File: BN012503.D
 Acq: 05 Nov 2020 16:25

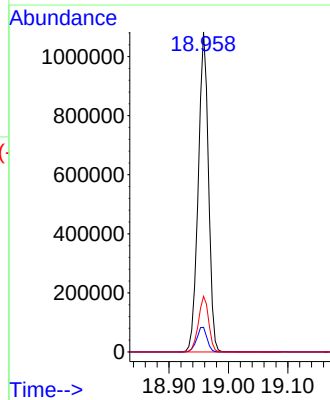
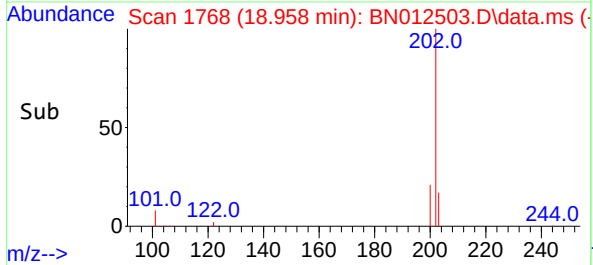
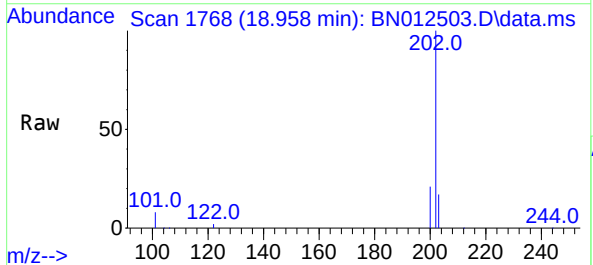
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

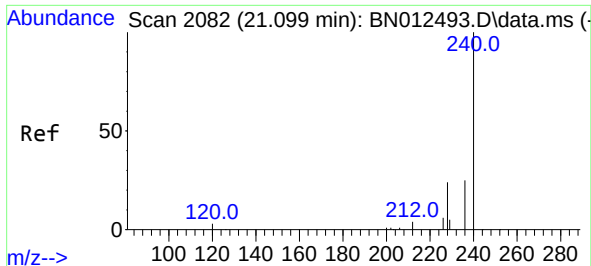
Tgt Ion: 212
 Sig Exp Ratio
 212 100
 106 8.5
 104 5.1



#28
 Fluoranthene
 Concen: 99.93 ng
 RT: 18.958 min Scan# 1768
 Delta R.T. 0.000 min
 Lab File: BN012503.D
 Acq: 05 Nov 2020 16:25

Tgt Ion: 202 Resp: 1286979
 Ion Ratio Lower Upper
 202 100
 101 7.9 5.8 8.6
 203 17.5 13.7 20.5

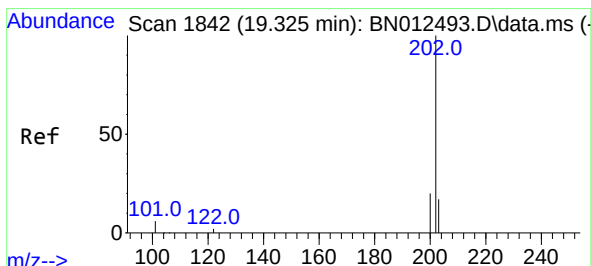
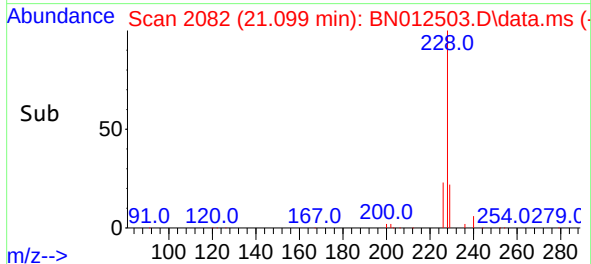
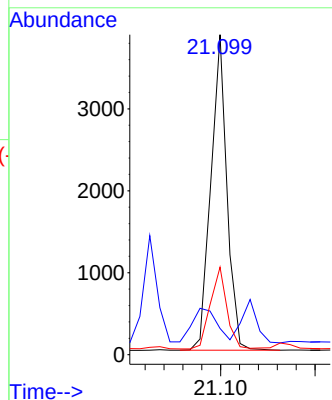
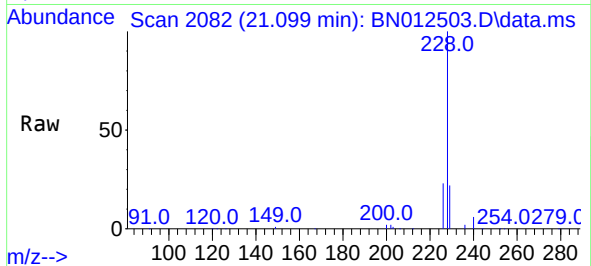




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.099 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

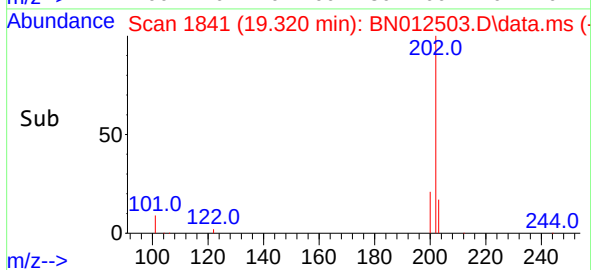
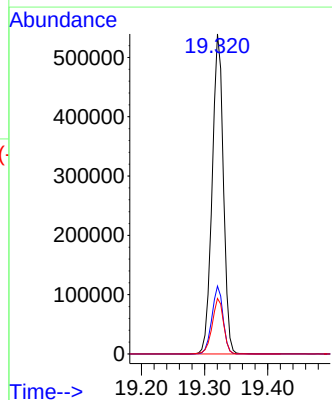
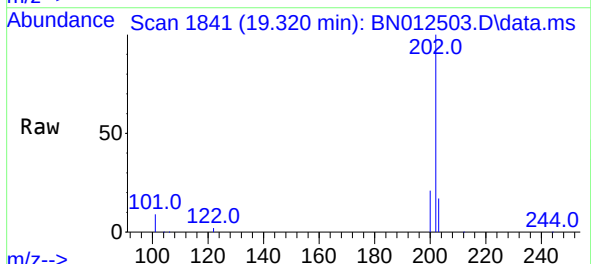
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

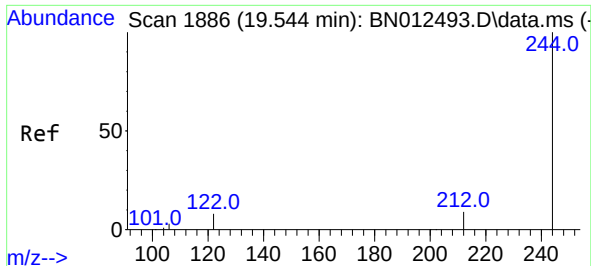
Tgt Ion:240 Resp: 4571
Ion Ratio Lower Upper
240 100
120 8.2 5.3 7.9#
236 27.4 21.8 32.8



#30
Pyrene
Concen: 43.27 ng
RT: 19.320 min Scan# 1841
Delta R.T. -0.005 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

Tgt Ion:202 Resp: 664809
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 17.7 13.8 20.8

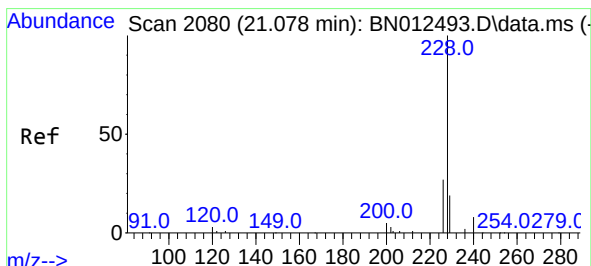
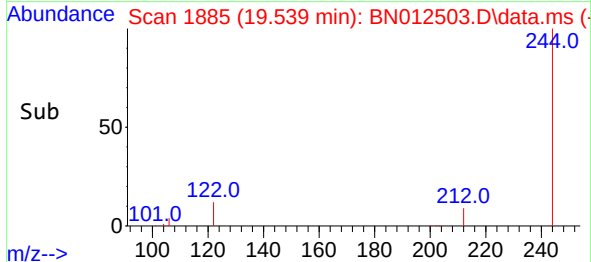
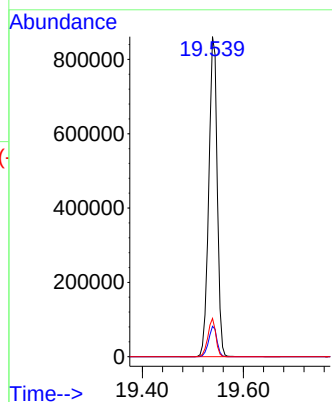
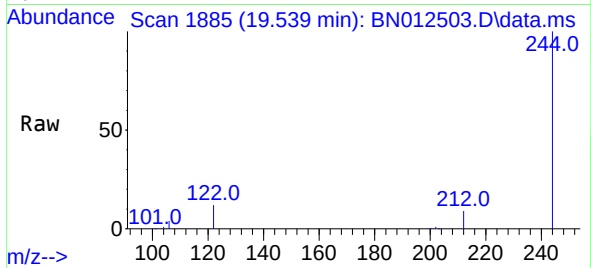




#31
 Terphenyl-d14
 Concen: 91.23 ng
 RT: 19.539 min Scan# 1885
 Delta R.T. -0.005 min
 Lab File: BN012503.D
 Acq: 05 Nov 2020 16:25

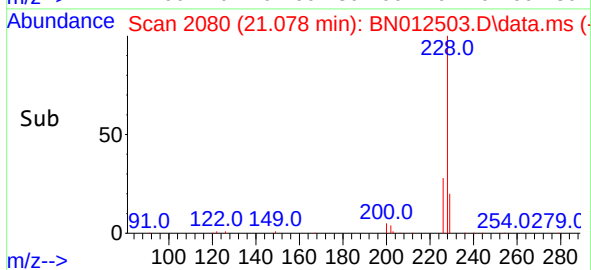
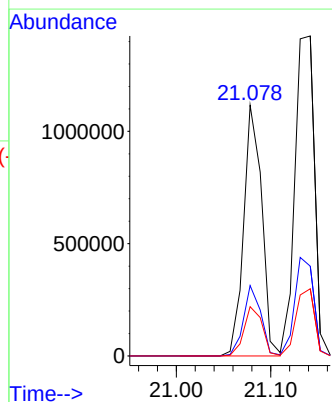
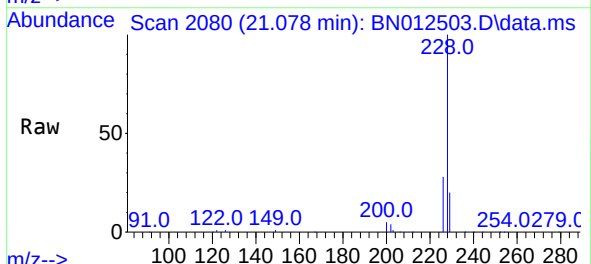
Instrument :
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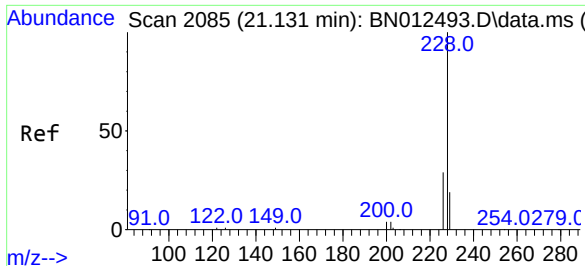
Tgt Ion:244 Resp: 994155
 Ion Ratio Lower Upper
 244 100
 212 9.5 7.3 10.9
 122 12.0 7.3 10.9#



#32
 Benzo(a)anthracene
 Concen: 101.94 ng
 RT: 21.078 min Scan# 2080
 Delta R.T. 0.000 min
 Lab File: BN012503.D
 Acq: 05 Nov 2020 16:25

Tgt Ion:228 Resp: 1483410
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.3 33.5
 229 19.7 15.7 23.5

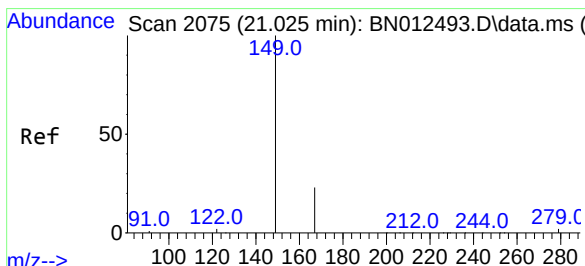
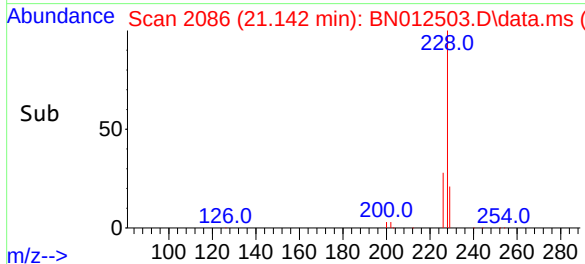
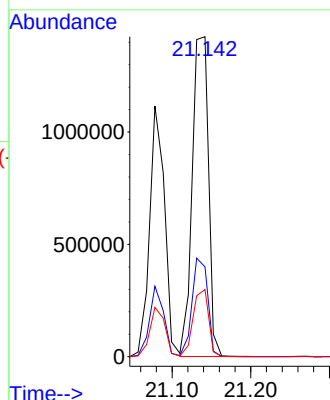
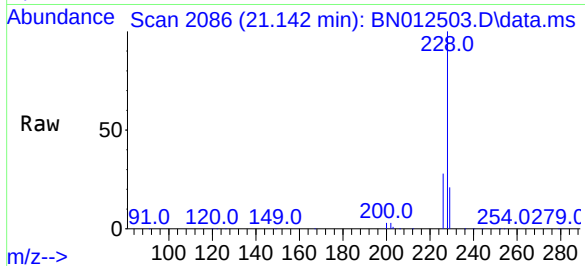




#33
Chrysene
Concen: 134.58 ng
RT: 21.142 min Scan# 2086
Delta R.T. 0.011 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

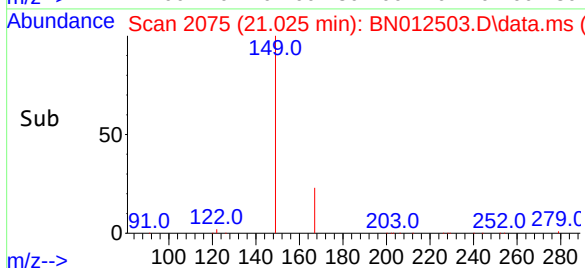
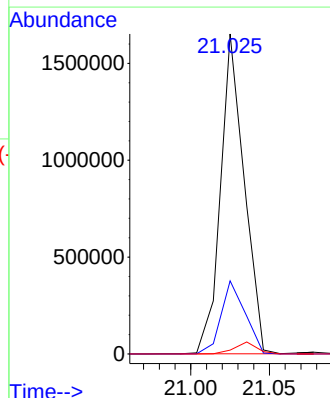
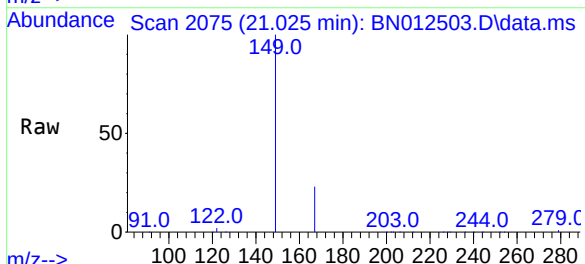
Instrument :
BNA_N
ClientSampleId :
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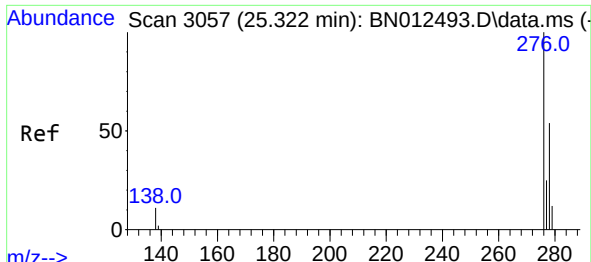
Tgt Ion:228 Resp: 2050714
Ion Ratio Lower Upper
228 100
226 28.1 24.2 36.2
229 21.0 15.7 23.5



#34
Bis(2-ethylhexyl)phthalate
Concen: 175.31 ng
RT: 21.025 min Scan# 2075
Delta R.T. 0.000 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

Tgt Ion:149 Resp: 1730171
Ion Ratio Lower Upper
149 100
167 23.3 23.2 34.8
279 3.5 3.9 5.9#

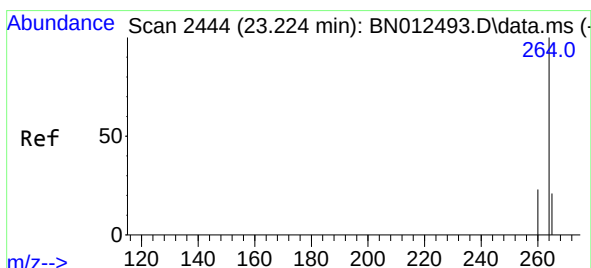
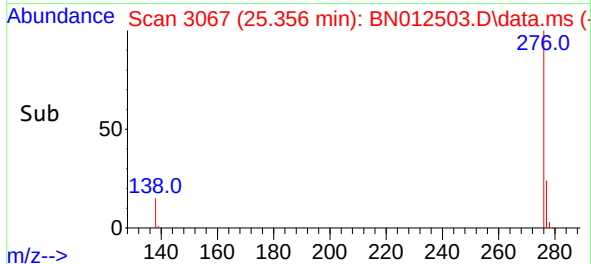
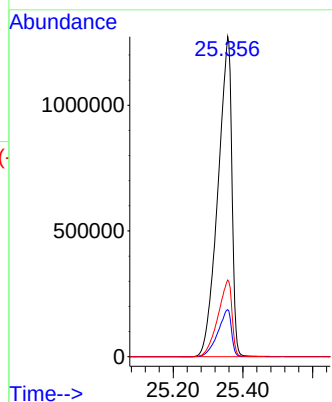
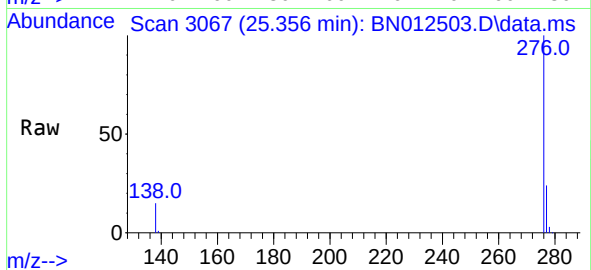




#35
Indeno(1,2,3-cd)pyrene
Concen: 153.51 ng
RT: 25.356 min Scan# 3067
Delta R.T. 0.034 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

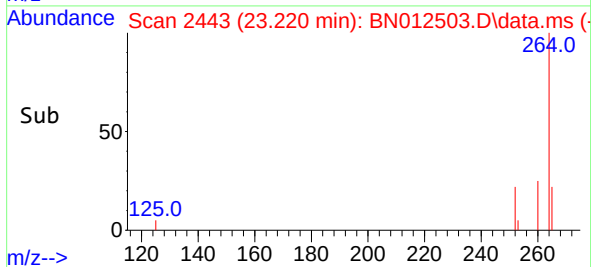
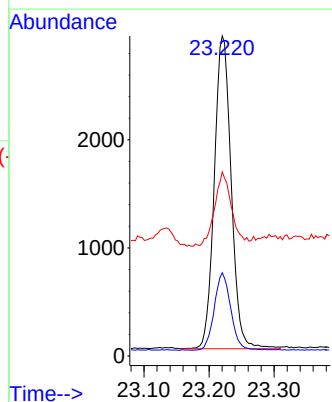
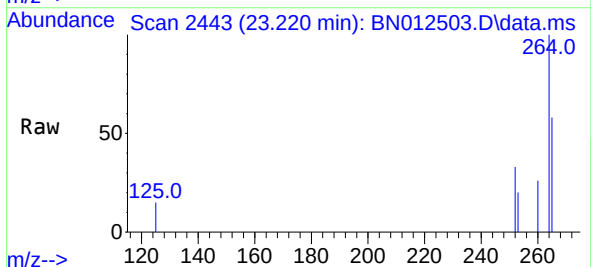
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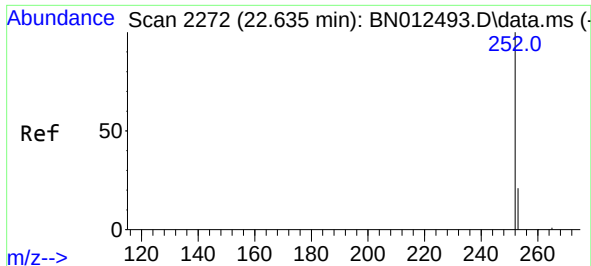
Tgt Ion:276 Resp: 3518710
Ion Ratio Lower Upper
276 100
138 14.4 13.3 19.9
277 24.2 20.2 30.4



#36
Perylene-d12
Concen: 0.40 ng
RT: 23.220 min Scan# 2443
Delta R.T. -0.003 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

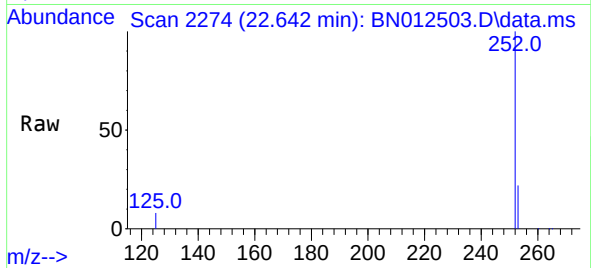
Tgt Ion:264 Resp: 5215
Ion Ratio Lower Upper
264 100
260 26.0 19.8 29.6
265 57.5 51.4 77.0



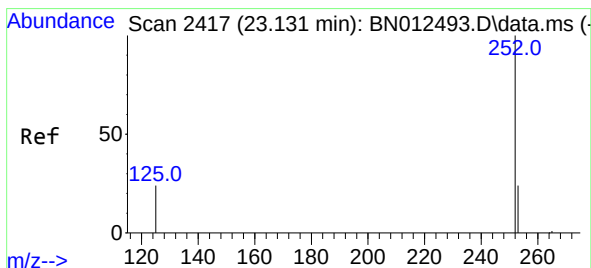
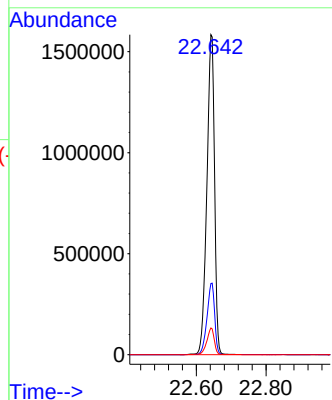


#38
Benzo(k)fluoranthene
Concen: 136.02 ng
RT: 22.642 min Scan# 2274
Delta R.T. 0.007 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25

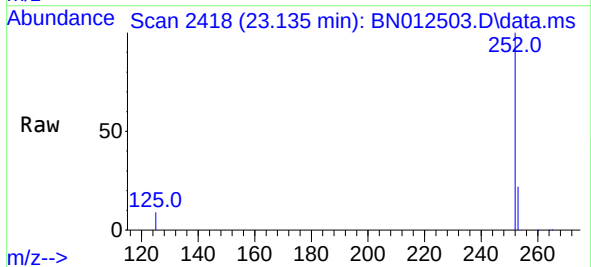
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:252 Resp: 2411218
Ion Ratio Lower Upper
252 100
253 22.3 19.8 29.8
125 8.4 7.1 10.7



#39
Benzo(a)pyrene
Concen: 73.45 ng
RT: 23.135 min Scan# 2418
Delta R.T. 0.004 min
Lab File: BN012503.D
Acq: 05 Nov 2020 16:25



Tgt Ion:252 Resp: 1195896
Ion Ratio Lower Upper
252 100
253 22.2 21.3 31.9
125 8.7 8.3 12.5

