

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110520\
 Data File : BN012504.D
 Acq On : 05 Nov 2020 17:01
 Operator : CG/JU
 Sample : L4548-13
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

Quant Time: Nov 06 00:56:16 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)

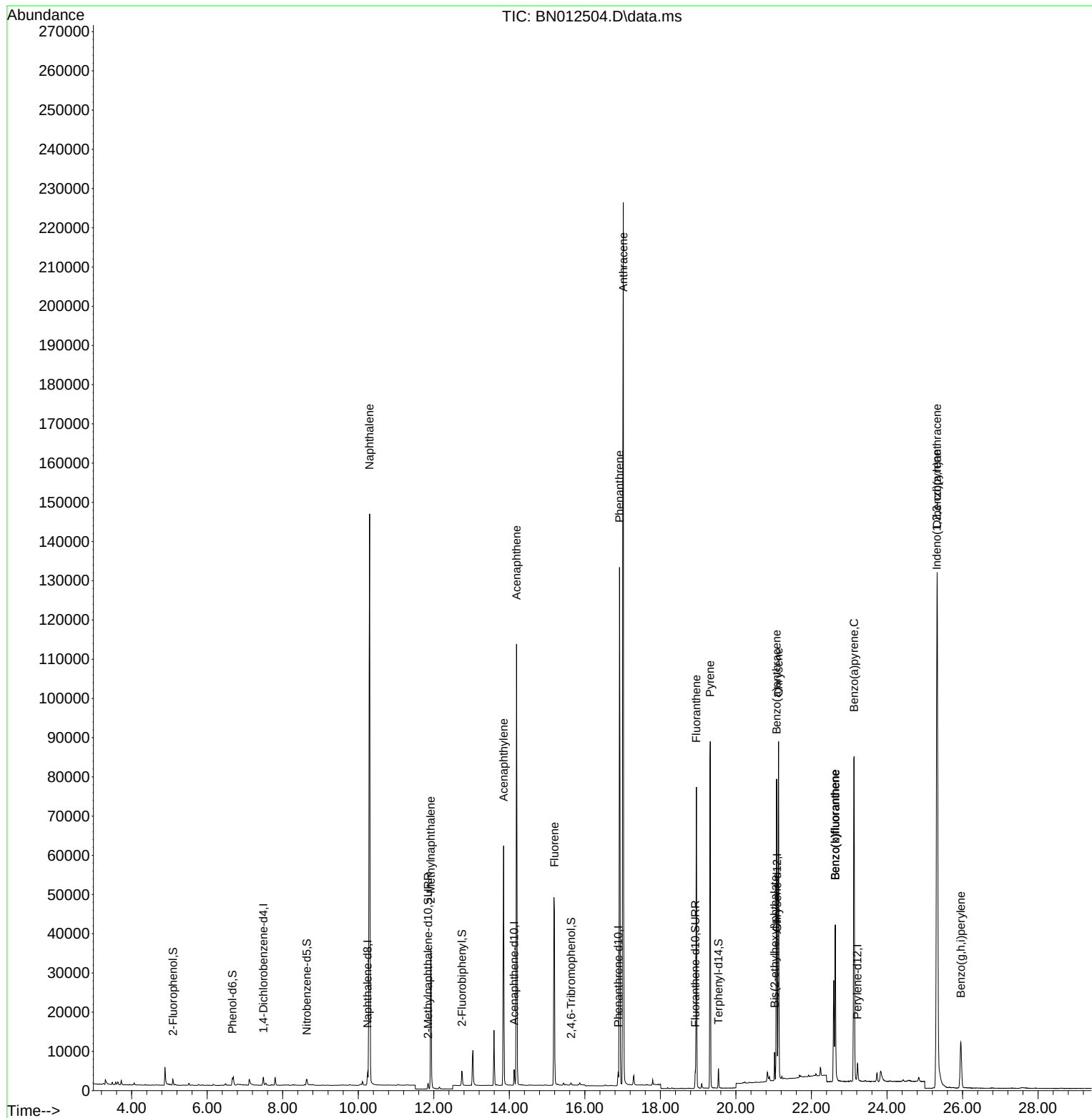
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.489	152	937	0.40	ng	0.00
7) Naphthalene-d8	10.250	136	3970	0.40	ng	# 0.00
13) Acenaphthene-d10	14.128	164	2168	0.40	ng	-0.01
19) Phenanthrene-d10	16.883	188	4439	0.40	ng	# 0.00
29) Chrysene-d12	21.089	240	4822	0.40	ng	#-0.01
36) Perylene-d12	23.220	264	5400	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.098	112	928	0.28	ng	0.00
5) Phenol-d6	6.668	99	1222	0.32	ng	0.00
8) Nitrobenzene-d5	8.640	82	1653	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	11.851	152	2049	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.638	330	469	0.30	ng	0.00
15) 2-Fluorobiphenyl	12.745	172	3241	0.38	ng	-0.01
27) Fluoranthene-d10	18.923	212	4664	0.34	ng	0.00
31) Terphenyl-d14	19.539	244	5117	0.45	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.301	128	184996	16.61	ng	95
12) 2-Methylnaphthalene	11.922	142	24133	3.36	ng	# 91
16) Acenaphthylene	13.849	152	62939	5.79	ng	100
17) Acenaphthene	14.192	154	49840	7.21	ng	91
18) Fluorene	15.194	166	33330	3.78	ng	99
25) Phenanthrene	16.919	178	126848	9.66	ng	98
26) Anthracene	17.017	178	228540	18.79	ng	99
28) Fluoranthene	18.953	202	65755	4.19	ng	99
30) Pyrene	19.320	202	77743	4.80	ng	99
32) Benzo(a)anthracene	21.078	228	59707	3.89	ng	98
33) Chrysene	21.131	228	72132	4.49	ng	98
34) Bis(2-ethylhexyl)phtha...	21.025	149	5864	0.56	ng	# 90
35) Indeno(1,2,3-cd)pyrene	25.322	276	84498	3.49	ng	# 92
37) Benzo(b)fluoranthene	22.631	252	46490	2.70	ng	97
38) Benzo(k)fluoranthene	22.631	252	46490	2.53	ng	97
39) Benzo(a)pyrene	23.128	252	108391	6.43	ng	93
40) Dibenzo(a,h)anthracene	25.329	278	163187	8.54	ng	96
41) Benzo(g,h,i)perylene	25.955	276	22859	1.16	ng	99

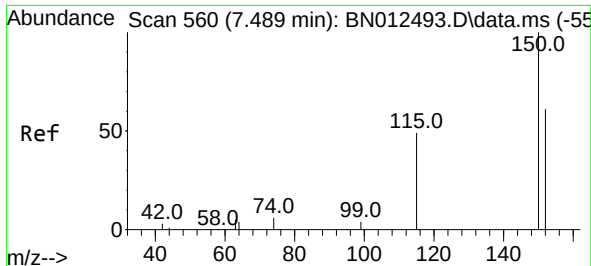
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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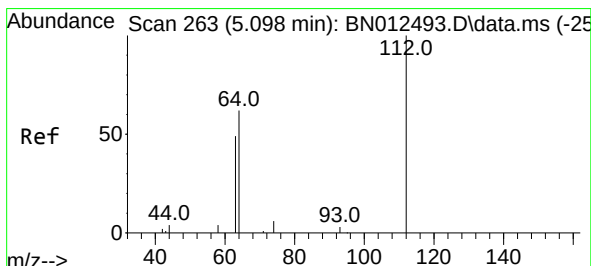
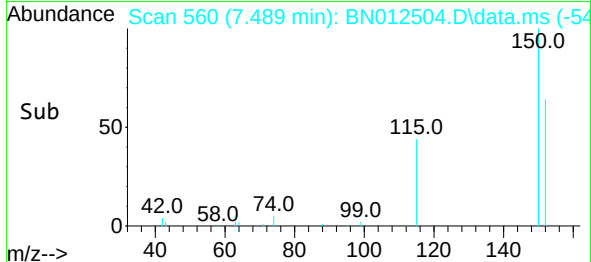
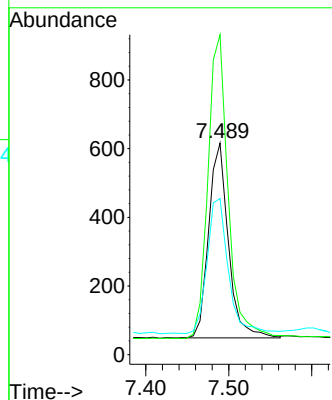
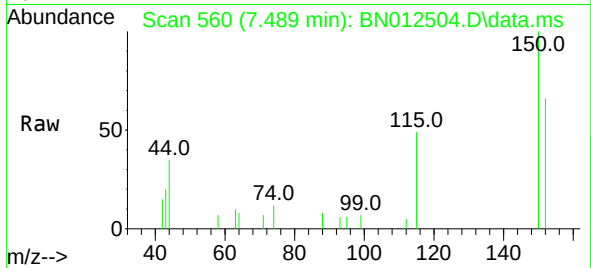


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.489 min Scan# 560
 Delta R.T. 0.000 min
 Lab File: BN012504.D
 Acq: 05 Nov 2020 17:01

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

Tgt Ion:152 Resp: 937

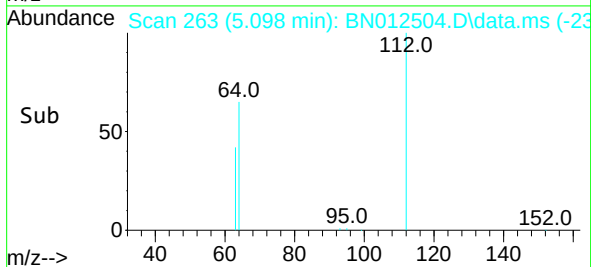
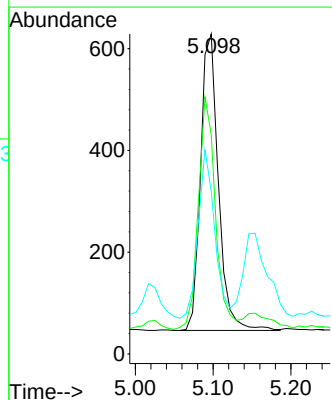
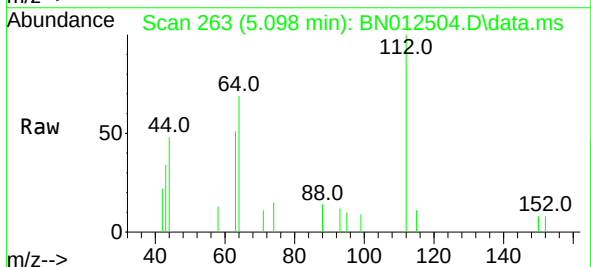
Ion	Ratio	Lower	Upper
152	100		
150	151.3	116.6	174.8
115	73.9	52.9	79.3

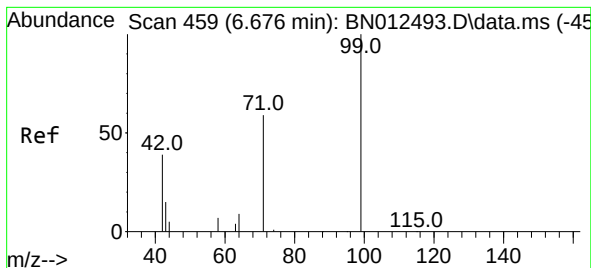


#4
 2-Fluorophenol
 Concen: 0.28 ng
 RT: 5.098 min Scan# 263
 Delta R.T. -0.000 min
 Lab File: BN012504.D
 Acq: 05 Nov 2020 17:01

Tgt Ion:112 Resp: 928

Ion	Ratio	Lower	Upper
112	100		
64	75.4	49.5	74.3#
63	53.0	32.0	48.0#





#5

Phenol-d6

Concen: 0.32 ng

RT: 6.668 min Scan# 458

Delta R.T. -0.008 min

Lab File: BN012504.D

Acq: 05 Nov 2020 17:01

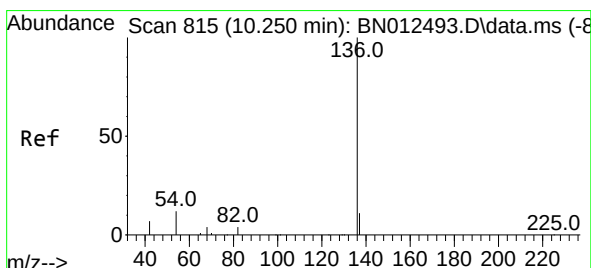
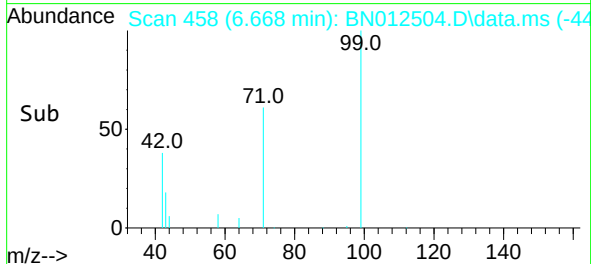
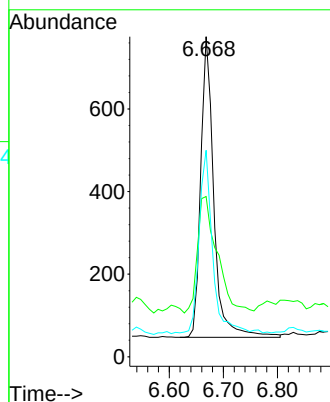
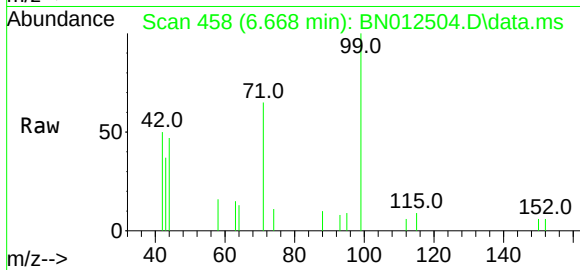
Tgt Ion:	99	Resp:	1222
Ion	Ratio	Lower	Upper
99	100		
42	58.2	22.4	33.6#
71	63.8	37.8	56.6#

Instrument :

BNA_N

ClientSampleId :

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#7

Naphthalene-d8

Concen: 0.40 ng

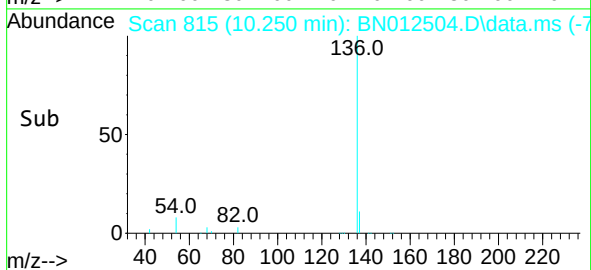
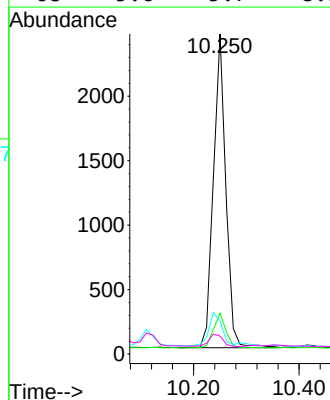
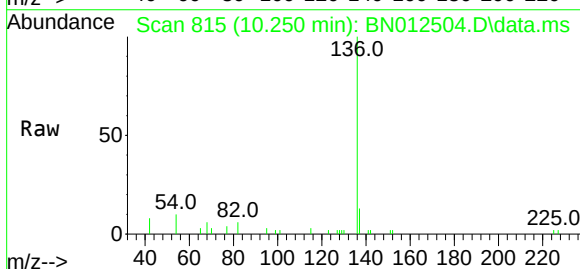
RT: 10.250 min Scan# 815

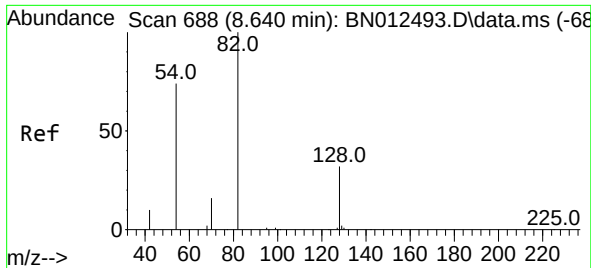
Delta R.T. -0.000 min

Lab File: BN012504.D

Acq: 05 Nov 2020 17:01

Tgt Ion:	136	Resp:	3970
Ion	Ratio	Lower	Upper
136	100		
137	12.8	10.6	15.8
54	10.3	8.6	12.8
68	5.6	5.7	8.5#

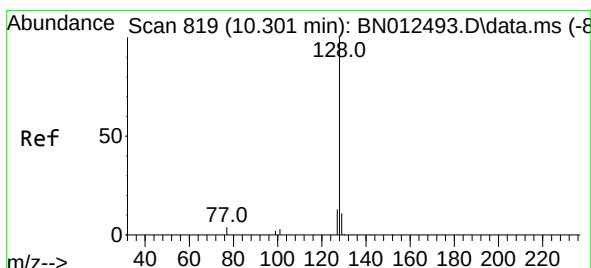
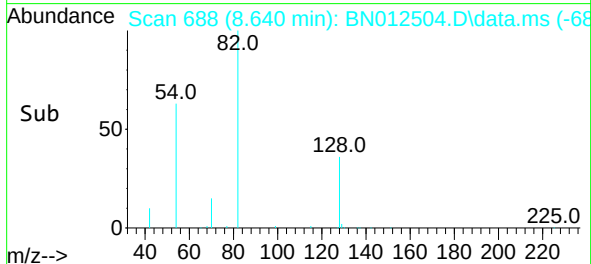
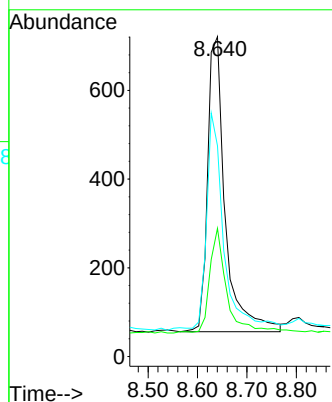
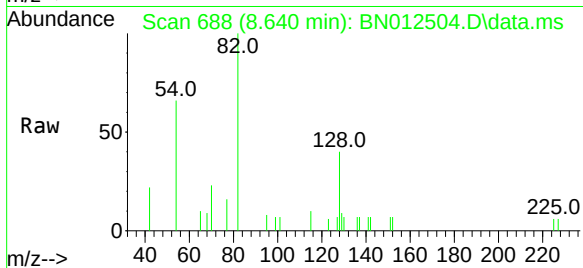




#8
Nitrobenzene-d5
Concen: 0.35 ng
RT: 8.640 min Scan# 688
Delta R.T. -0.000 min
Lab File: BN012504.D
Acq: 05 Nov 2020 17:01

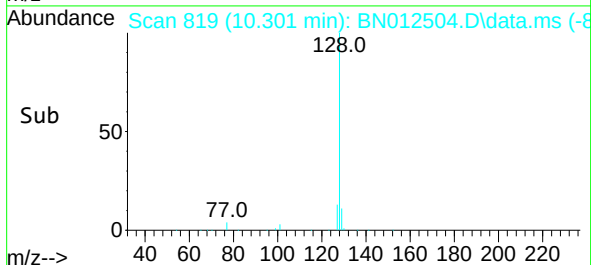
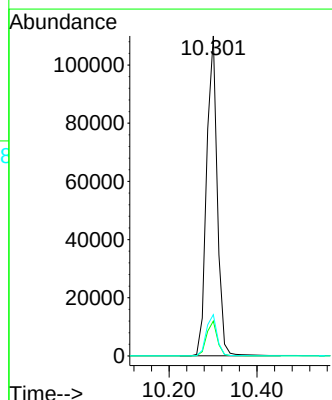
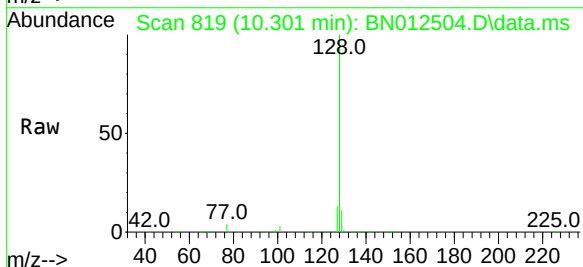
Instrument :
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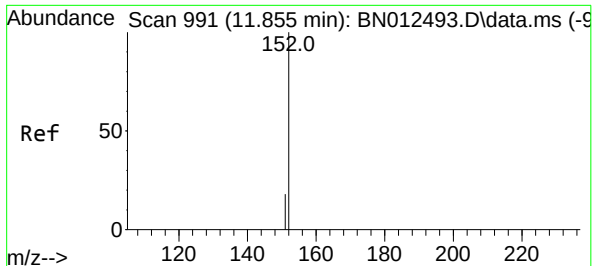
Tgt Ion:	82	Resp:	1653
Ion	Ratio	Lower	Upper
82	100		
128	40.1	30.6	46.0
54	65.9	48.3	72.5



#9
Naphthalene
Concen: 16.61 ng
RT: 10.301 min Scan# 819
Delta R.T. -0.000 min
Lab File: BN012504.D
Acq: 05 Nov 2020 17:01

Tgt Ion:	128	Resp:	184996
Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.8	14.8
127	12.9	12.2	18.4

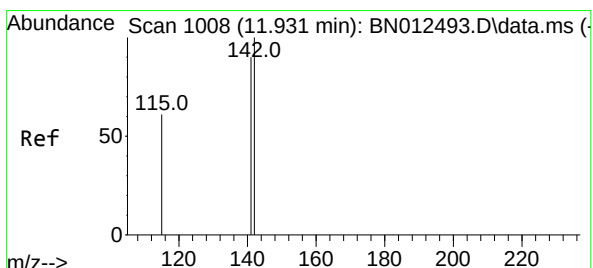
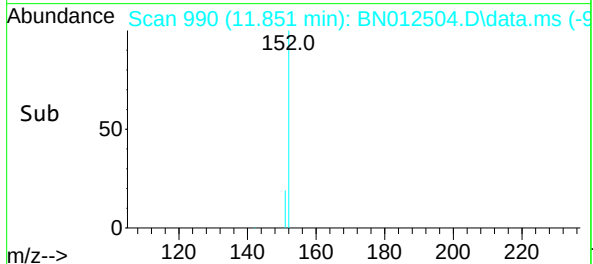
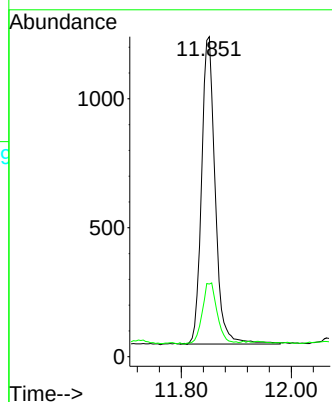
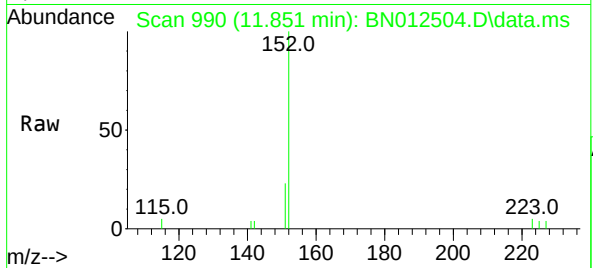




#11
2-Methylnaphthalene-d10
Concen: 0.32 ng
RT: 11.851 min Scan# 990
Delta R.T. -0.005 min
Lab File: BN012504.D
Acq: 05 Nov 2020 17:01

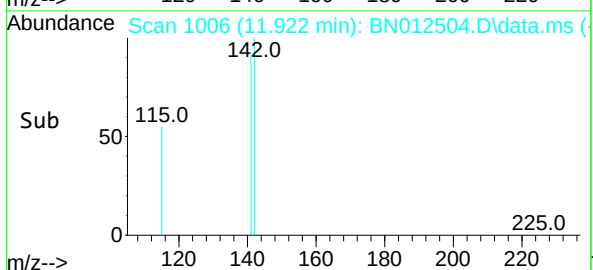
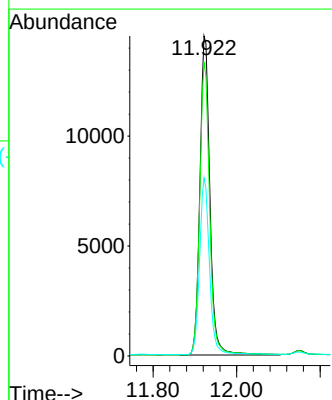
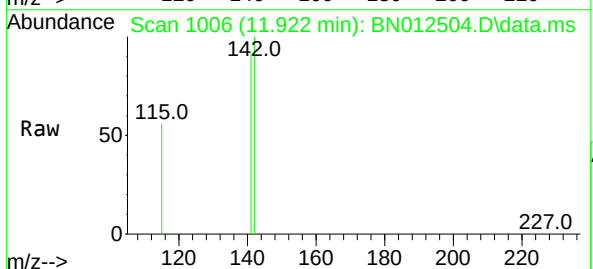
Instrument :
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ClientSampleId :
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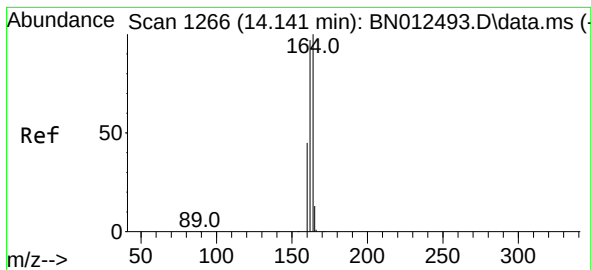
Tgt Ion:152 Resp: 2049
Ion Ratio Lower Upper
152 100
151 21.7 16.7 25.1



#12
2-Methylnaphthalene
Concen: 3.36 ng
RT: 11.922 min Scan# 1006
Delta R.T. -0.009 min
Lab File: BN012504.D
Acq: 05 Nov 2020 17:01

Tgt Ion:142 Resp: 24133
Ion Ratio Lower Upper
142 100
141 91.9 69.4 104.2
115 55.7 35.7 53.5#

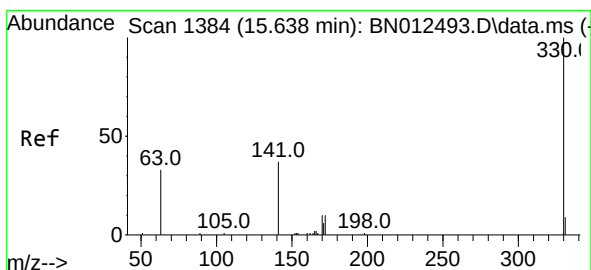
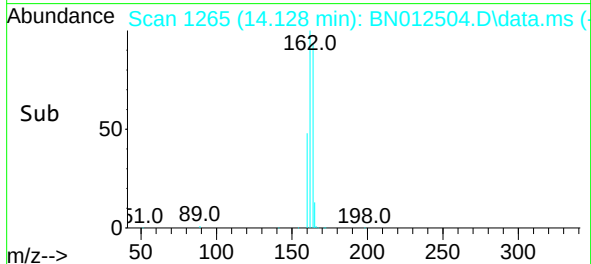
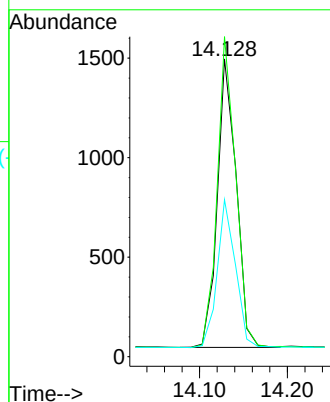
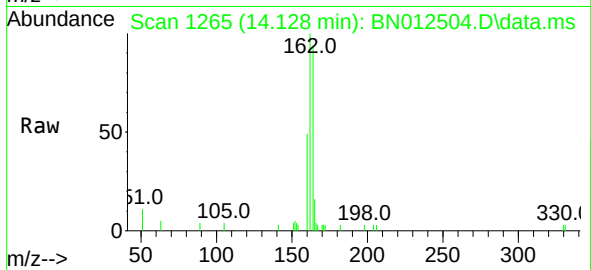




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.128 min Scan# 1265
Delta R.T. -0.013 min
Lab File: BN012504.D
Acq: 05 Nov 2020 17:01

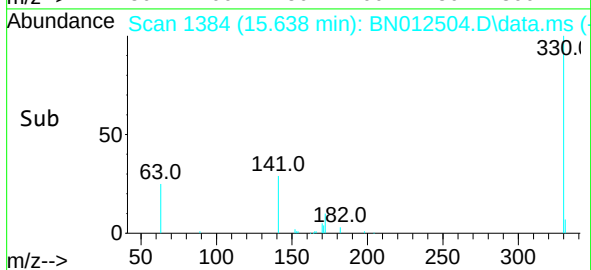
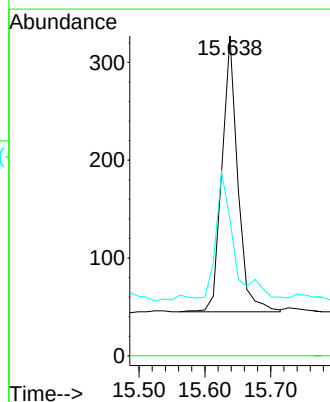
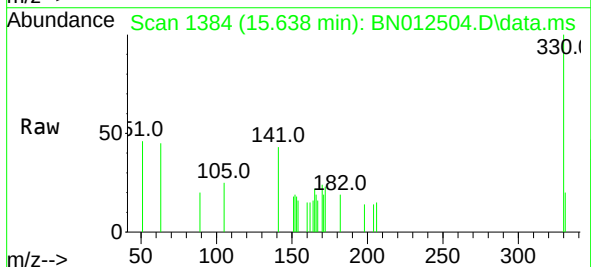
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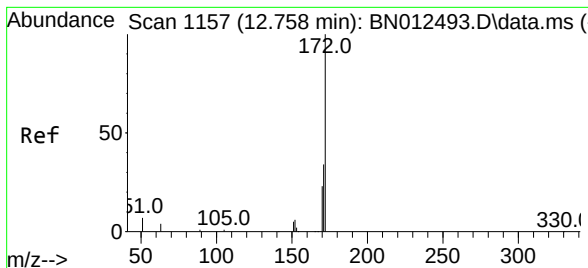
Tgt Ion:	164	Resp:	2168
Ion	Ratio	Lower	Upper
164	100		
162	107.5	80.6	120.8
160	52.7	39.5	59.3



#14
2,4,6-Tribromophenol
Concen: 0.30 ng
RT: 15.638 min Scan# 1384
Delta R.T. -0.000 min
Lab File: BN012504.D
Acq: 05 Nov 2020 17:01

Tgt Ion:	330	Resp:	469
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	50.7	34.4	51.6

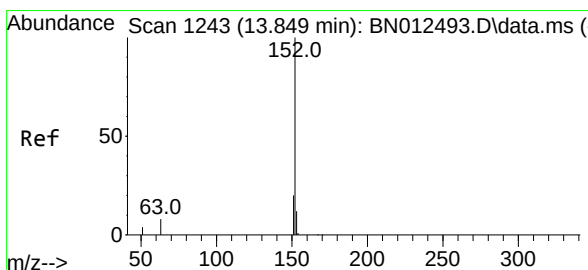
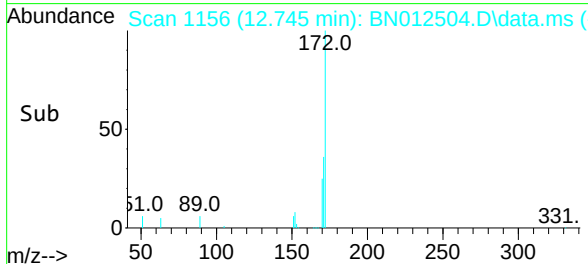
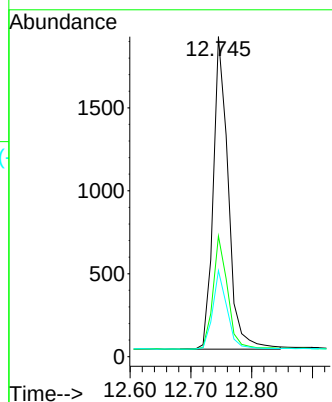
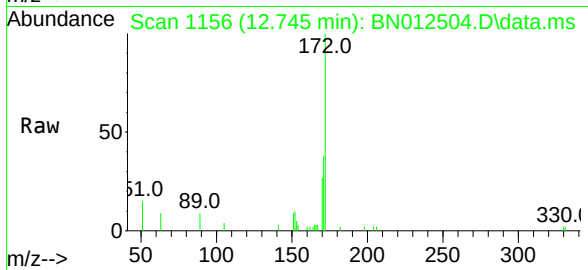




#15
2-Fluorobiphenyl
Concen: 0.38 ng
RT: 12.745 min Scan# 1156
Delta R.T. -0.013 min
Lab File: BN012504.D
Acq: 05 Nov 2020 17:01

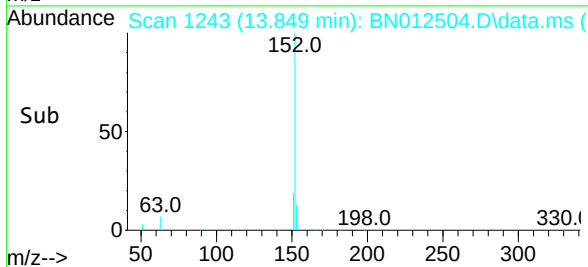
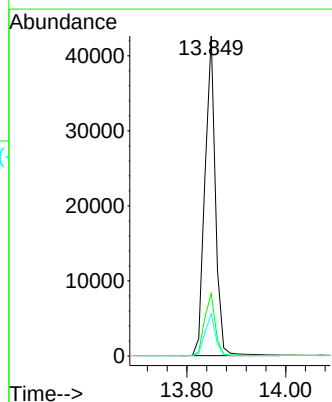
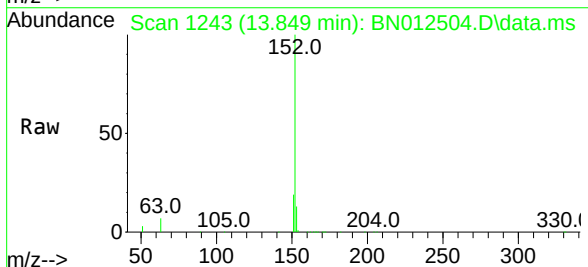
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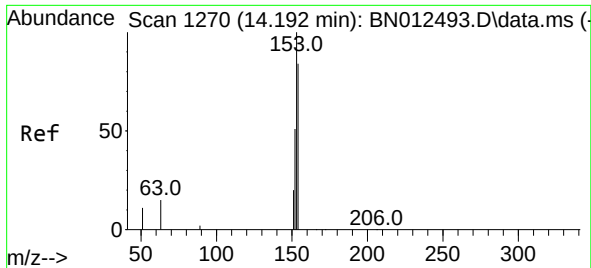
Tgt Ion:	172	Resp:	3241
Ion Ratio	Lower	Upper	
172	100		
171	37.7	28.2	42.4
170	26.9	20.0	30.0



#16
Acenaphthylene
Concen: 5.79 ng
RT: 13.849 min Scan# 1243
Delta R.T. -0.000 min
Lab File: BN012504.D
Acq: 05 Nov 2020 17:01

Tgt Ion:	152	Resp:	62939
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.8	23.8
153	13.0	10.6	16.0

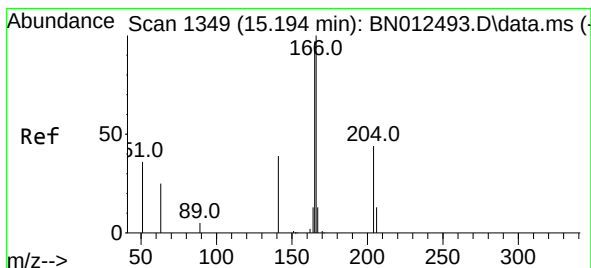
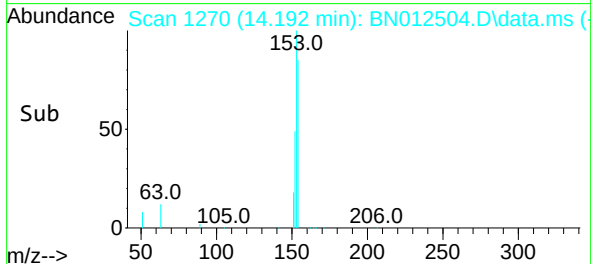
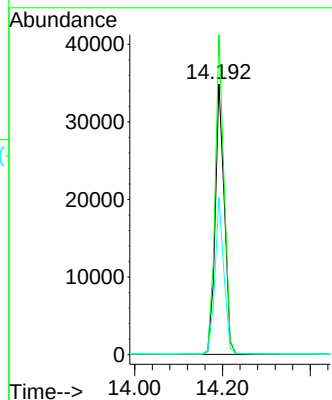
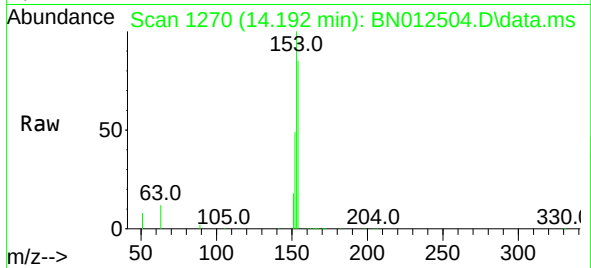




#17
Acenaphthene
Concen: 7.21 ng
RT: 14.192 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BN012504.D
Acq: 05 Nov 2020 17:01

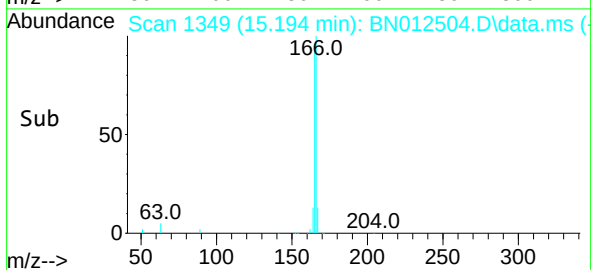
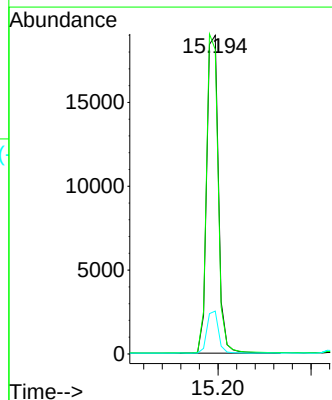
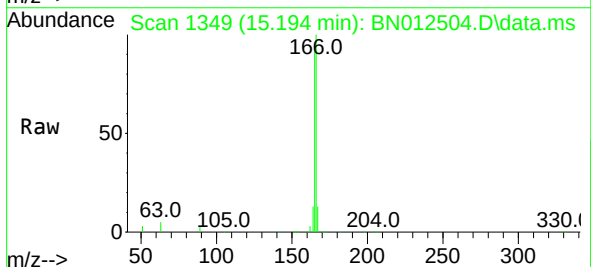
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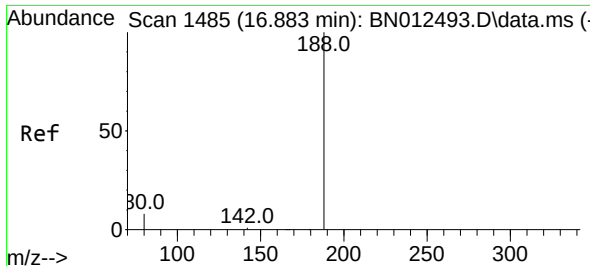
Tgt Ion:154 Resp: 49840
Ion Ratio Lower Upper
154 100
153 116.7 83.6 125.4
152 56.9 43.9 65.9



#18
Fluorene
Concen: 3.78 ng
RT: 15.194 min Scan# 1349
Delta R.T. -0.000 min
Lab File: BN012504.D
Acq: 05 Nov 2020 17:01

Tgt Ion:166 Resp: 33330
Ion Ratio Lower Upper
166 100
165 99.1 78.6 118.0
167 13.0 10.7 16.1

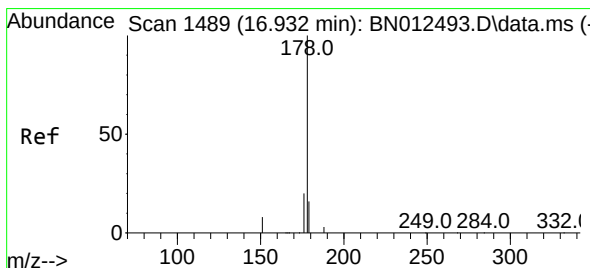
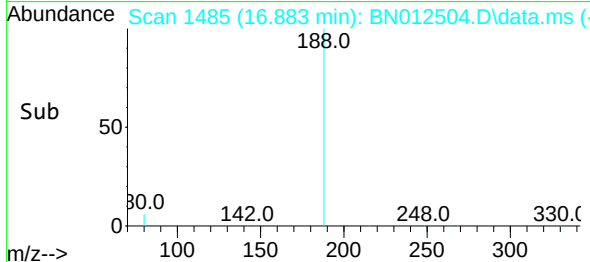
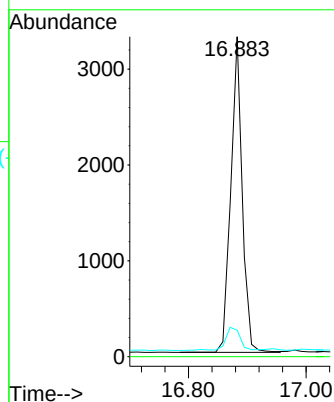
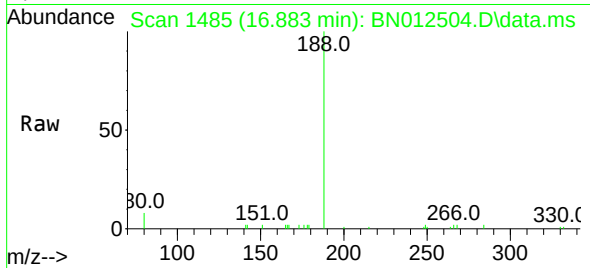




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.883 min Scan# 1485
Delta R.T. -0.000 min
Lab File: BN012504.D
Acq: 05 Nov 2020 17:01

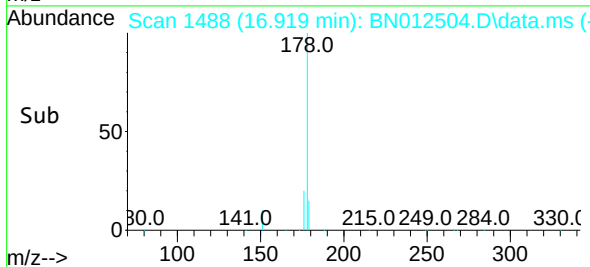
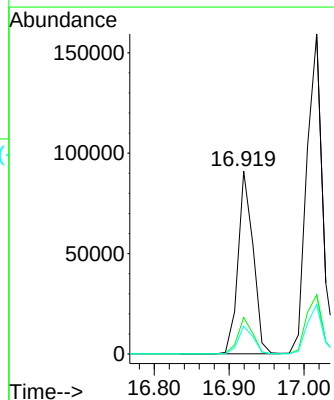
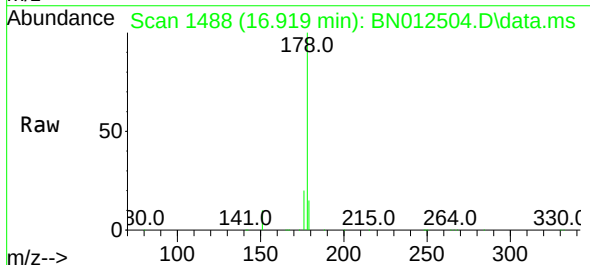
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

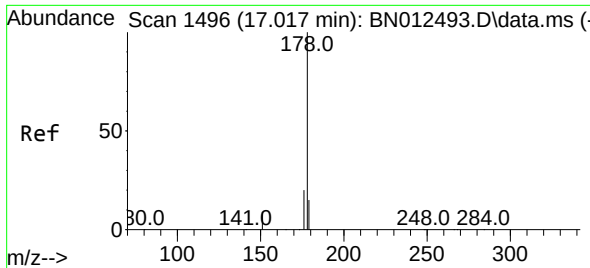
Tgt Ion:188 Resp: 4439
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.3 5.0 7.4#



#25
Phenanthrene
Concen: 9.66 ng
RT: 16.919 min Scan# 1488
Delta R.T. -0.012 min
Lab File: BN012504.D
Acq: 05 Nov 2020 17:01

Tgt Ion:178 Resp: 126848
Ion Ratio Lower Upper
178 100
176 19.6 14.8 22.2
179 15.3 12.4 18.6

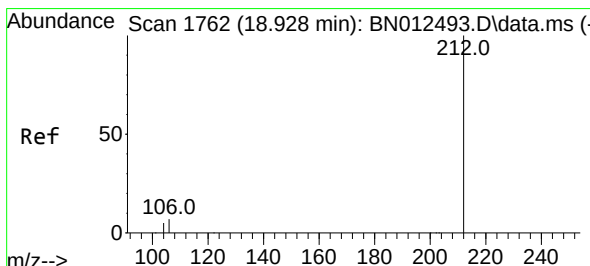
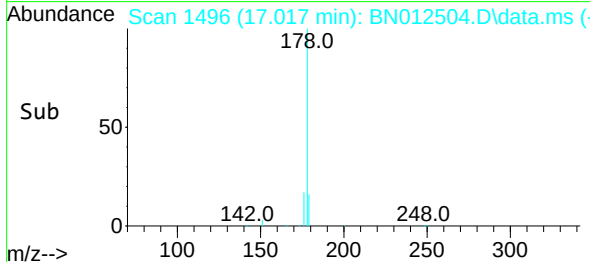
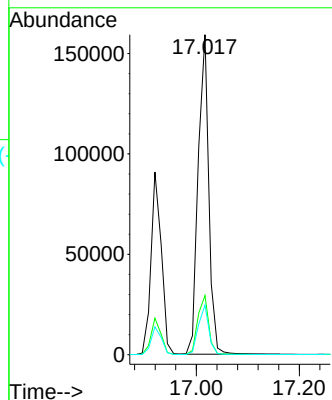
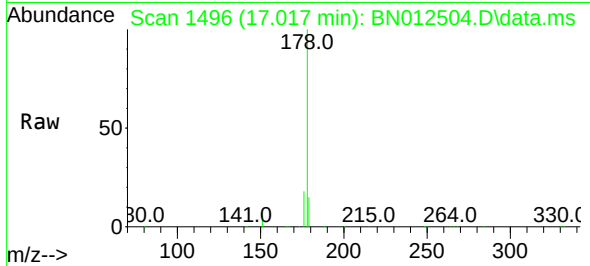




#26
 Anthracene
 Concen: 18.79 ng
 RT: 17.017 min Scan# 1496
 Delta R.T. -0.000 min
 Lab File: BN012504.D
 Acq: 05 Nov 2020 17:01

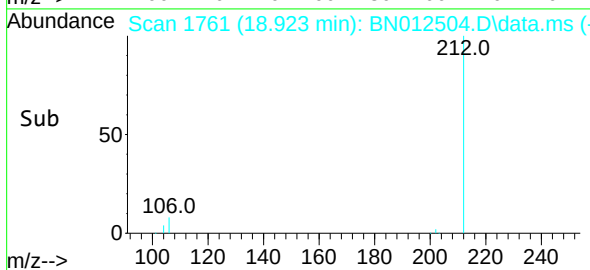
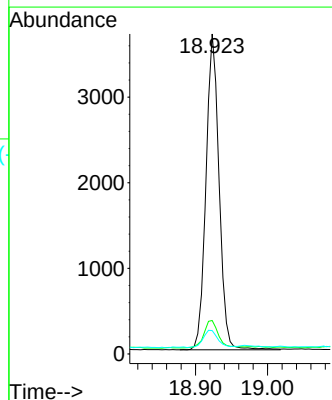
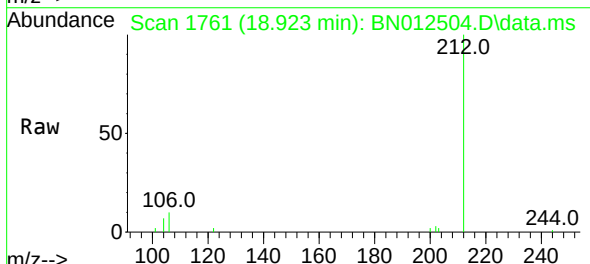
Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

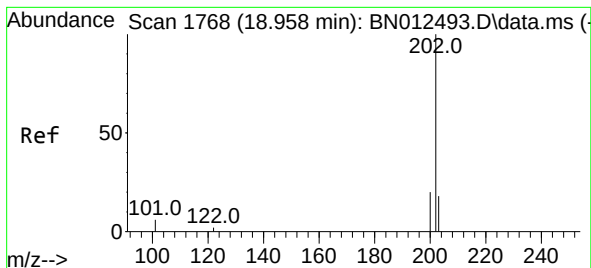
Tgt Ion:178 Resp: 228540
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.8 22.2
 179 15.3 12.5 18.7



#27
 Fluoranthene-d10
 Concen: 0.34 ng
 RT: 18.923 min Scan# 1761
 Delta R.T. -0.005 min
 Lab File: BN012504.D
 Acq: 05 Nov 2020 17:01

Tgt Ion:212 Resp: 4664
 Ion Ratio Lower Upper
 212 100
 106 9.7 6.8 10.2
 104 6.3 4.1 6.1#

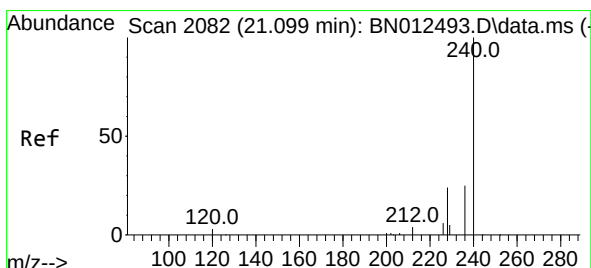
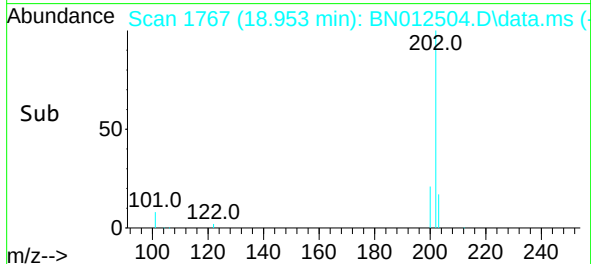
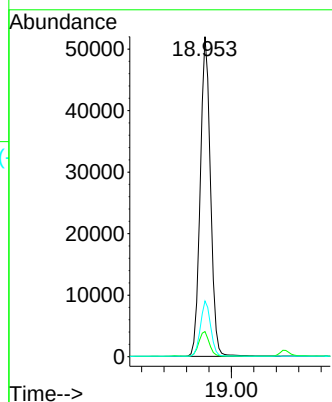
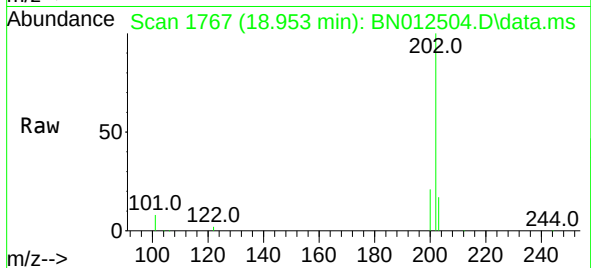




#28
Fluoranthene
Concen: 4.19 ng
RT: 18.953 min Scan# 1767
Delta R.T. -0.005 min
Lab File: BN012504.D
Acq: 05 Nov 2020 17:01

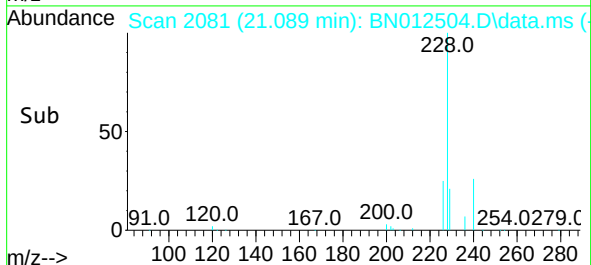
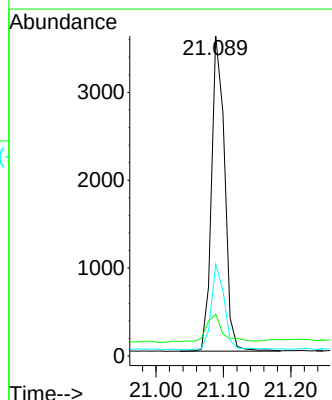
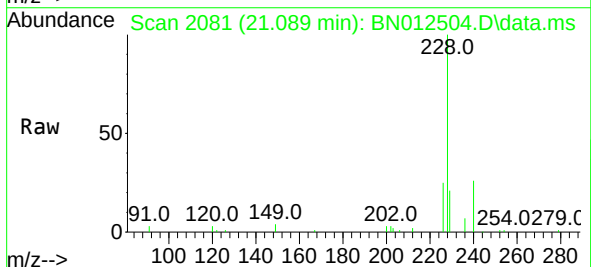
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

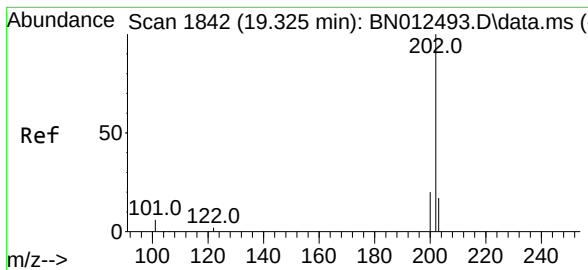
Tgt Ion:202 Resp: 65755
Ion Ratio Lower Upper
202 100
101 8.0 5.8 8.6
203 17.3 13.7 20.5



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.089 min Scan# 2081
Delta R.T. -0.011 min
Lab File: BN012504.D
Acq: 05 Nov 2020 17:01

Tgt Ion:240 Resp: 4822
Ion Ratio Lower Upper
240 100
120 13.0 5.3 7.9#
236 28.6 21.8 32.8





#30

Pyrene

Concen: 4.80 ng

RT: 19.320 min Scan# 1841

Delta R.T. -0.005 min

Lab File: BN012504.D

Acq: 05 Nov 2020 17:01

Tgt Ion:202 Resp: 77743

Ion Ratio Lower Upper

202 100

200 21.2 16.6 24.8

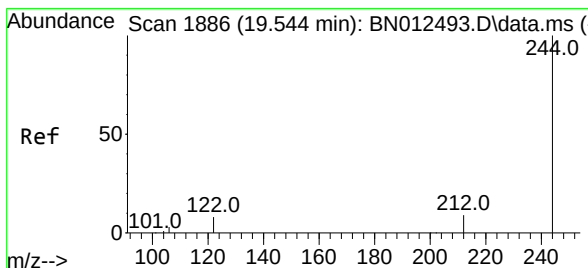
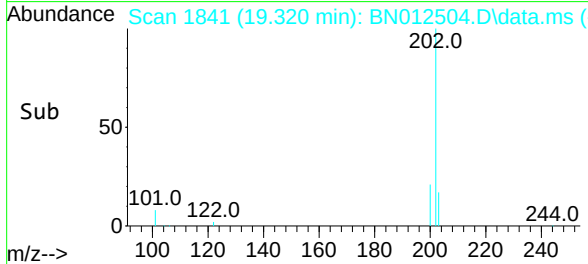
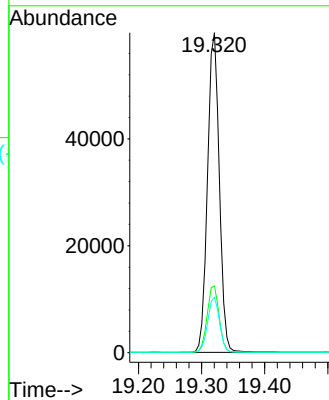
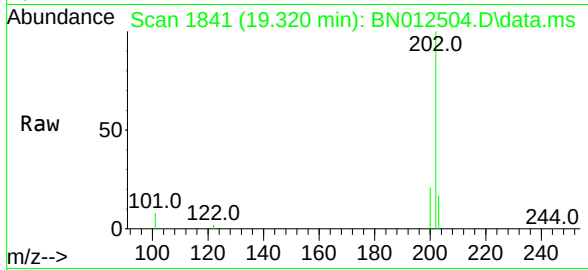
203 17.5 13.8 20.8

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOIL



#31

Terphenyl-d14

Concen: 0.45 ng

RT: 19.539 min Scan# 1885

Delta R.T. -0.005 min

Lab File: BN012504.D

Acq: 05 Nov 2020 17:01

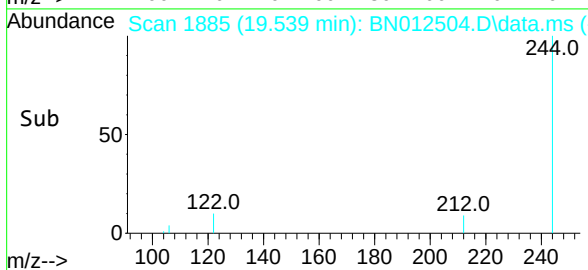
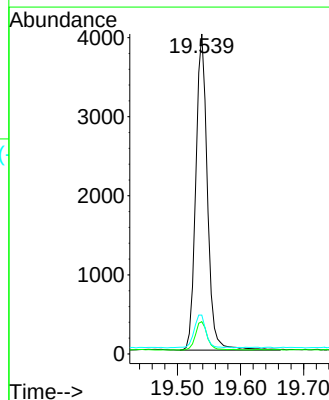
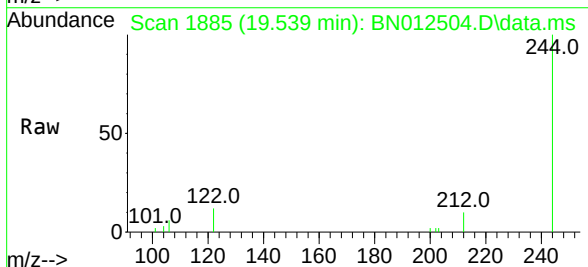
Tgt Ion:244 Resp: 5117

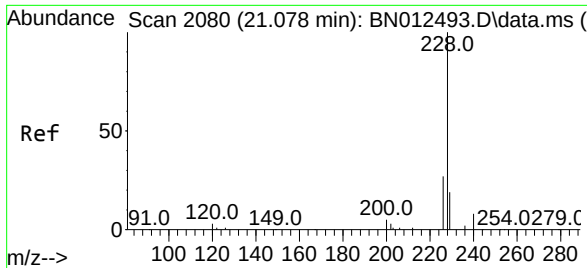
Ion Ratio Lower Upper

244 100

212 10.1 7.3 10.9

122 12.2 7.3 10.9#



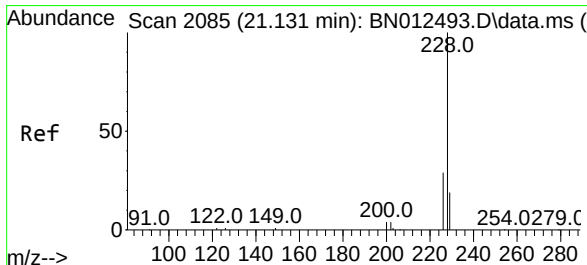
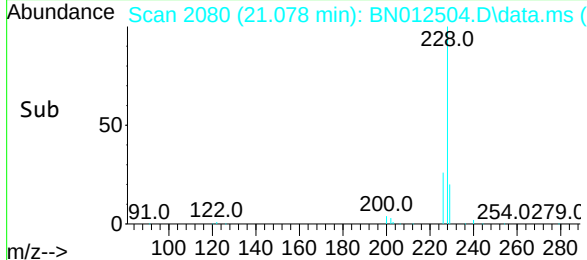
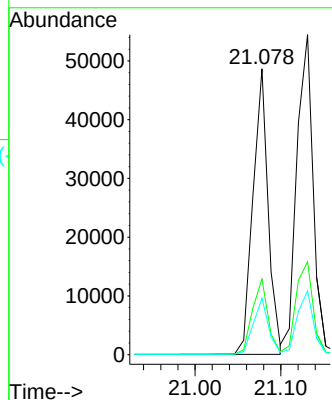
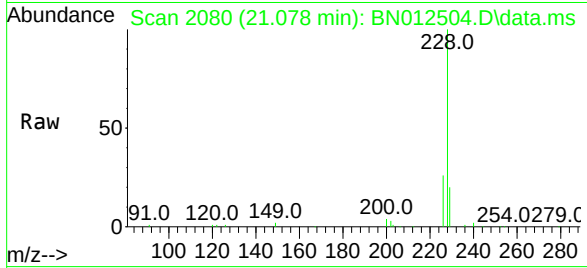


#32
Benzo(a)anthracene
Concen: 3.89 ng
RT: 21.078 min Scan# 2080
Delta R.T. -0.000 min
Lab File: BN012504.D
Acq: 05 Nov 2020 17:01

Instrument :
BNA_N
ClientSampled :
PT-PAH-SOIL

Tgt Ion:228 Resp: 59707

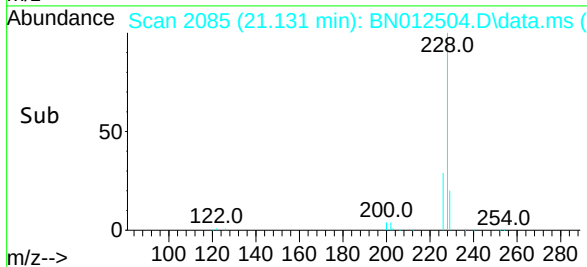
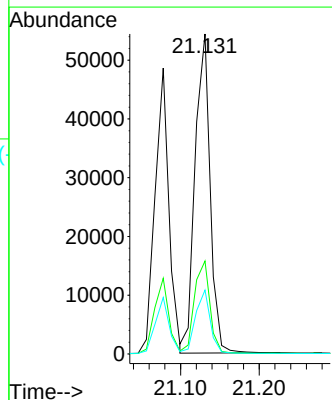
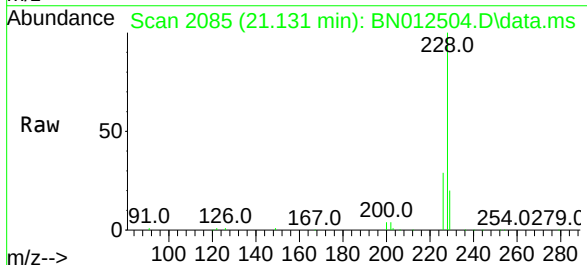
Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.3	33.5
229	19.7	15.7	23.5

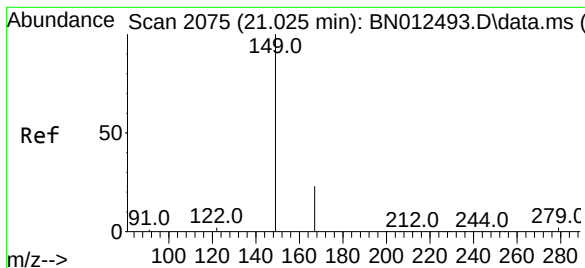


#33
Chrysene
Concen: 4.49 ng
RT: 21.131 min Scan# 2085
Delta R.T. -0.000 min
Lab File: BN012504.D
Acq: 05 Nov 2020 17:01

Tgt Ion:228 Resp: 72132

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.2	36.2
229	20.0	15.7	23.5

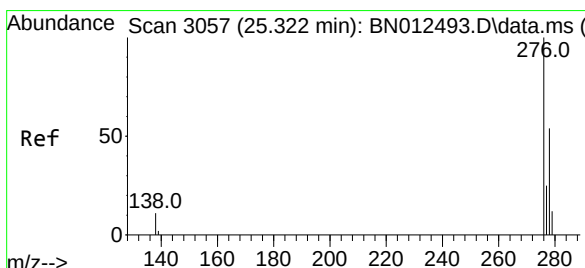
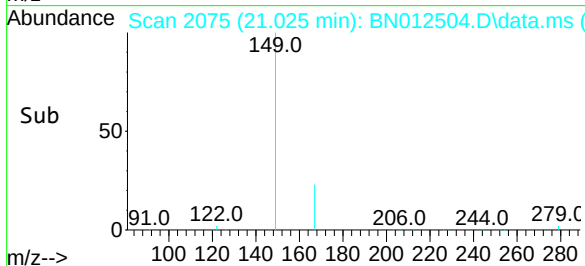
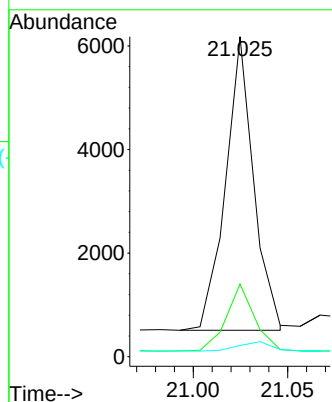
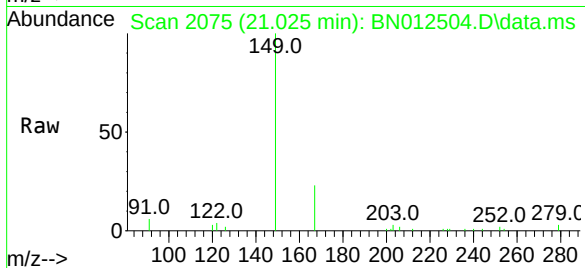




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.56 ng
 RT: 21.025 min Scan# 2075
 Delta R.T. -0.000 min
 Lab File: BN012504.D
 Acq: 05 Nov 2020 17:01

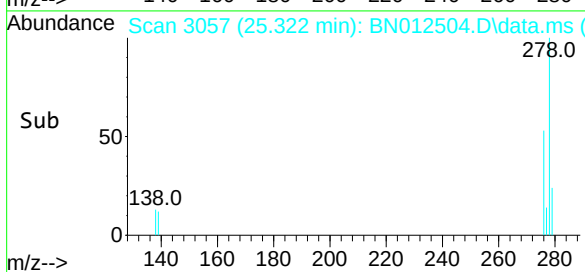
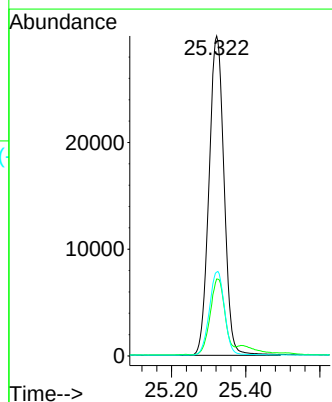
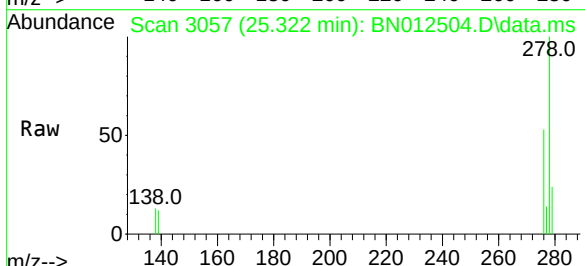
Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

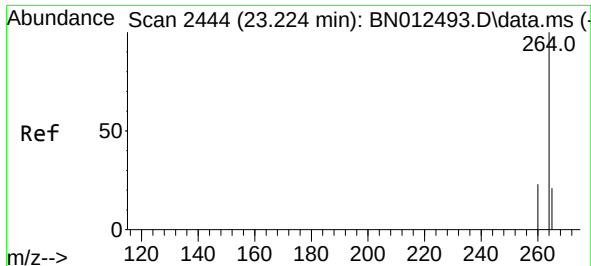
Tgt Ion:149 Resp: 5864
 Ion Ratio Lower Upper
 149 100
 167 23.2 23.2 34.8
 279 3.7 3.9 5.9#



#35
 Indeno(1,2,3-cd)pyrene
 Concen: 3.49 ng
 RT: 25.322 min Scan# 3057
 Delta R.T. -0.000 min
 Lab File: BN012504.D
 Acq: 05 Nov 2020 17:01

Tgt Ion:276 Resp: 84498
 Ion Ratio Lower Upper
 276 100
 138 23.4 13.3 19.9#
 277 26.4 20.2 30.4

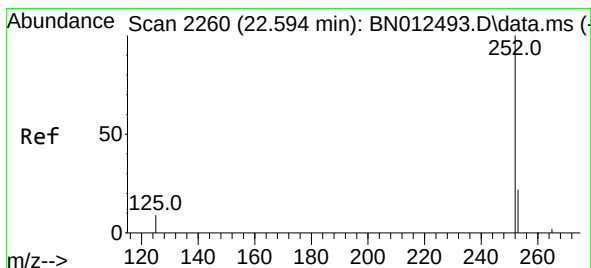
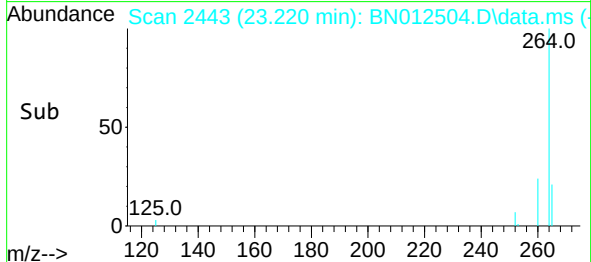
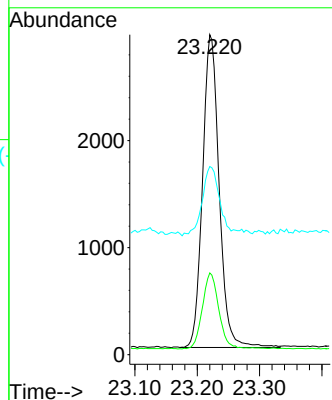
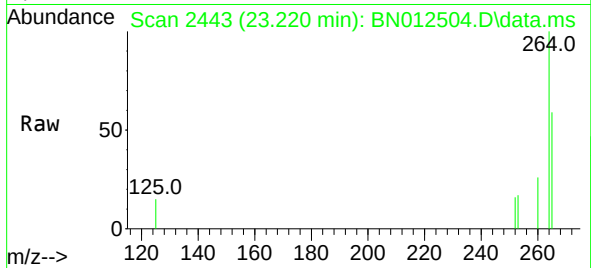




#36
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.220 min Scan# 2443
 Delta R.T. -0.003 min
 Lab File: BN012504.D
 Acq: 05 Nov 2020 17:01

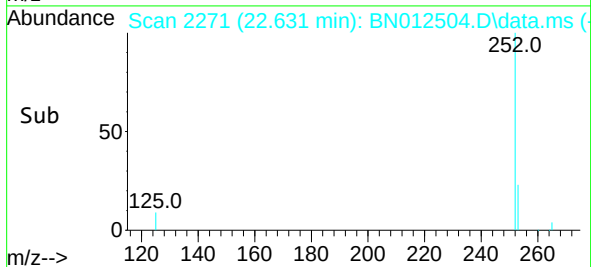
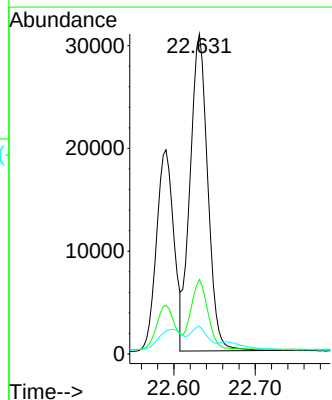
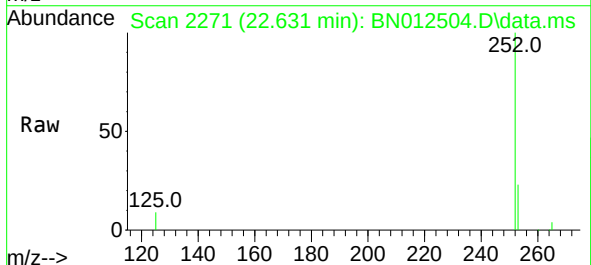
Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

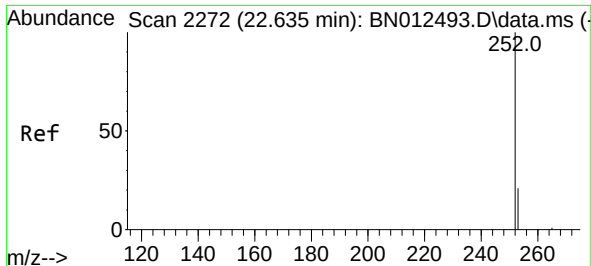
Tgt Ion:264 Resp: 5400
 Ion Ratio Lower Upper
 264 100
 260 25.5 19.8 29.6
 265 58.8 51.4 77.0



#37
 Benzo(b)fluoranthene
 Concen: 2.70 ng
 RT: 22.631 min Scan# 2271
 Delta R.T. 0.038 min
 Lab File: BN012504.D
 Acq: 05 Nov 2020 17:01

Tgt Ion:252 Resp: 46490
 Ion Ratio Lower Upper
 252 100
 253 23.2 20.1 30.1
 125 8.6 7.2 10.8

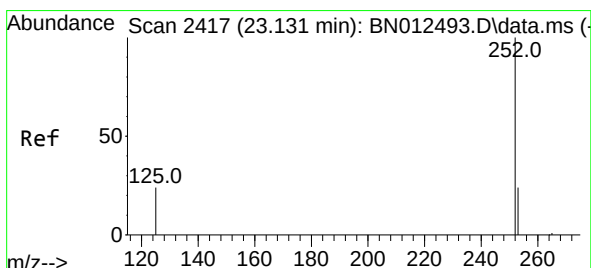
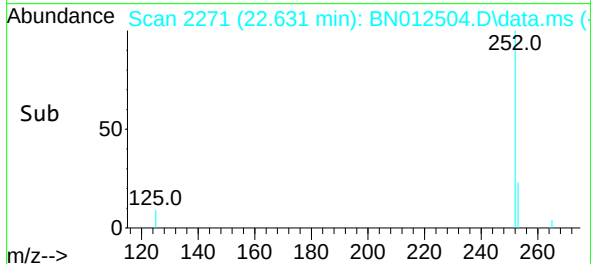
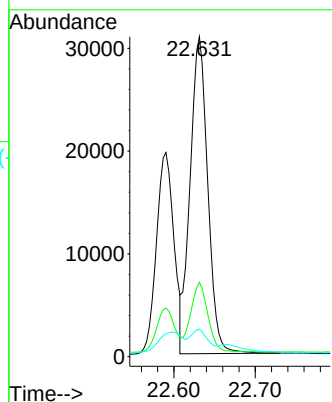
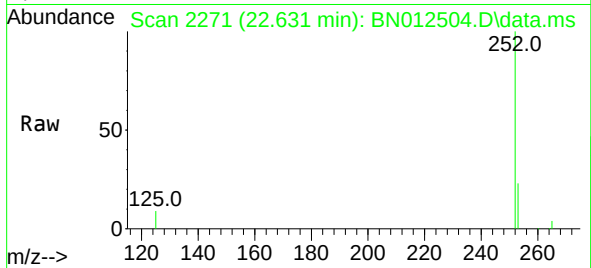




#38
Benzo(k)fluoranthene
Concen: 2.53 ng
RT: 22.631 min Scan# 2271
Delta R.T. -0.003 min
Lab File: BN012504.D
Acq: 05 Nov 2020 17:01

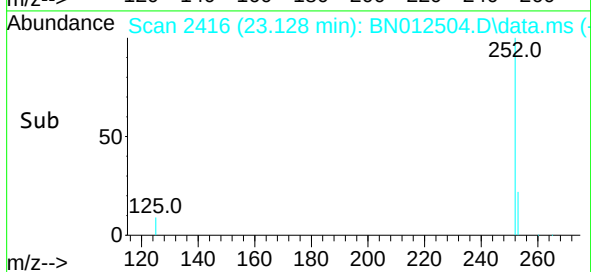
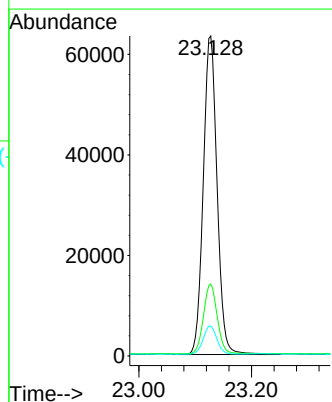
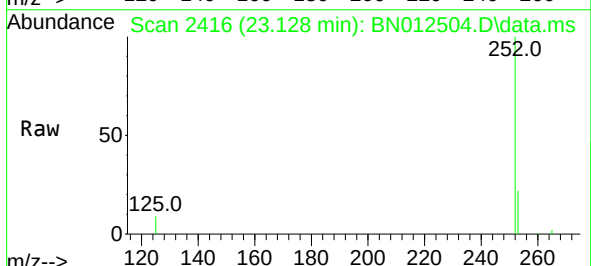
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

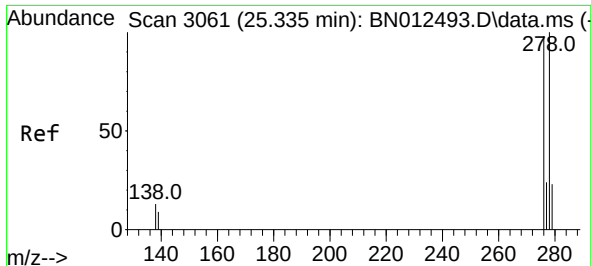
Tgt Ion:252 Resp: 46490
Ion Ratio Lower Upper
252 100
253 23.2 19.8 29.8
125 8.6 7.1 10.7



#39
Benzo(a)pyrene
Concen: 6.43 ng
RT: 23.128 min Scan# 2416
Delta R.T. -0.003 min
Lab File: BN012504.D
Acq: 05 Nov 2020 17:01

Tgt Ion:252 Resp: 108391
Ion Ratio Lower Upper
252 100
253 22.5 21.3 31.9
125 9.3 8.3 12.5

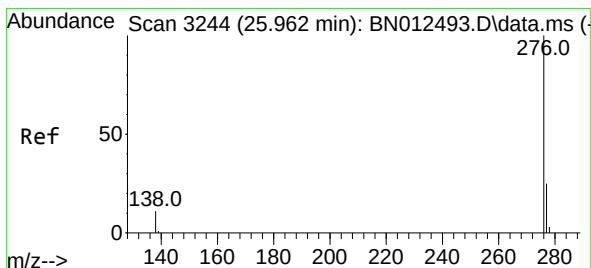
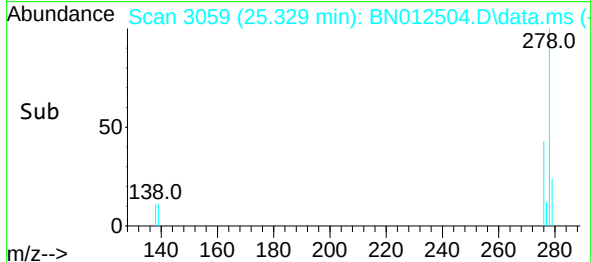
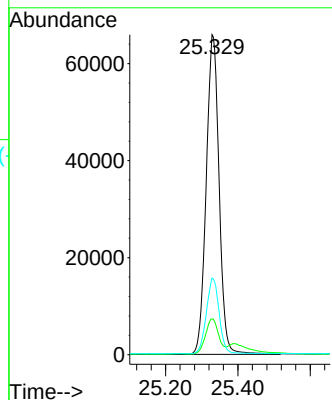
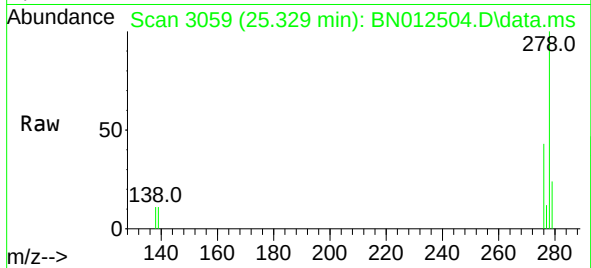




#40
Dibenzo(a,h)anthracene
Concen: 8.54 ng
RT: 25.329 min Scan# 3059
Delta R.T. -0.007 min
Lab File: BN012504.D
Acq: 05 Nov 2020 17:01

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:278 Resp: 163187
Ion Ratio Lower Upper
278 100
139 11.2 9.3 13.9
279 23.9 21.6 32.4



#41
Benzo(g,h,i)perylene
Concen: 1.16 ng
RT: 25.955 min Scan# 3242
Delta R.T. -0.007 min
Lab File: BN012504.D
Acq: 05 Nov 2020 17:01

Tgt Ion:276 Resp: 22859
Ion Ratio Lower Upper
276 100
277 24.5 19.8 29.8
138 15.6 11.7 17.5

