

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022421\
 Data File : BN013751.D
 Acq On : 25 Feb 2021 06:32
 Operator : CG/JU
 Sample : M1473-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GW803-20-25-022321-FD

Quant Time: Feb 25 07:05:48 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN022421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 24 21:36:22 2021
 Response via : Initial Calibration

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

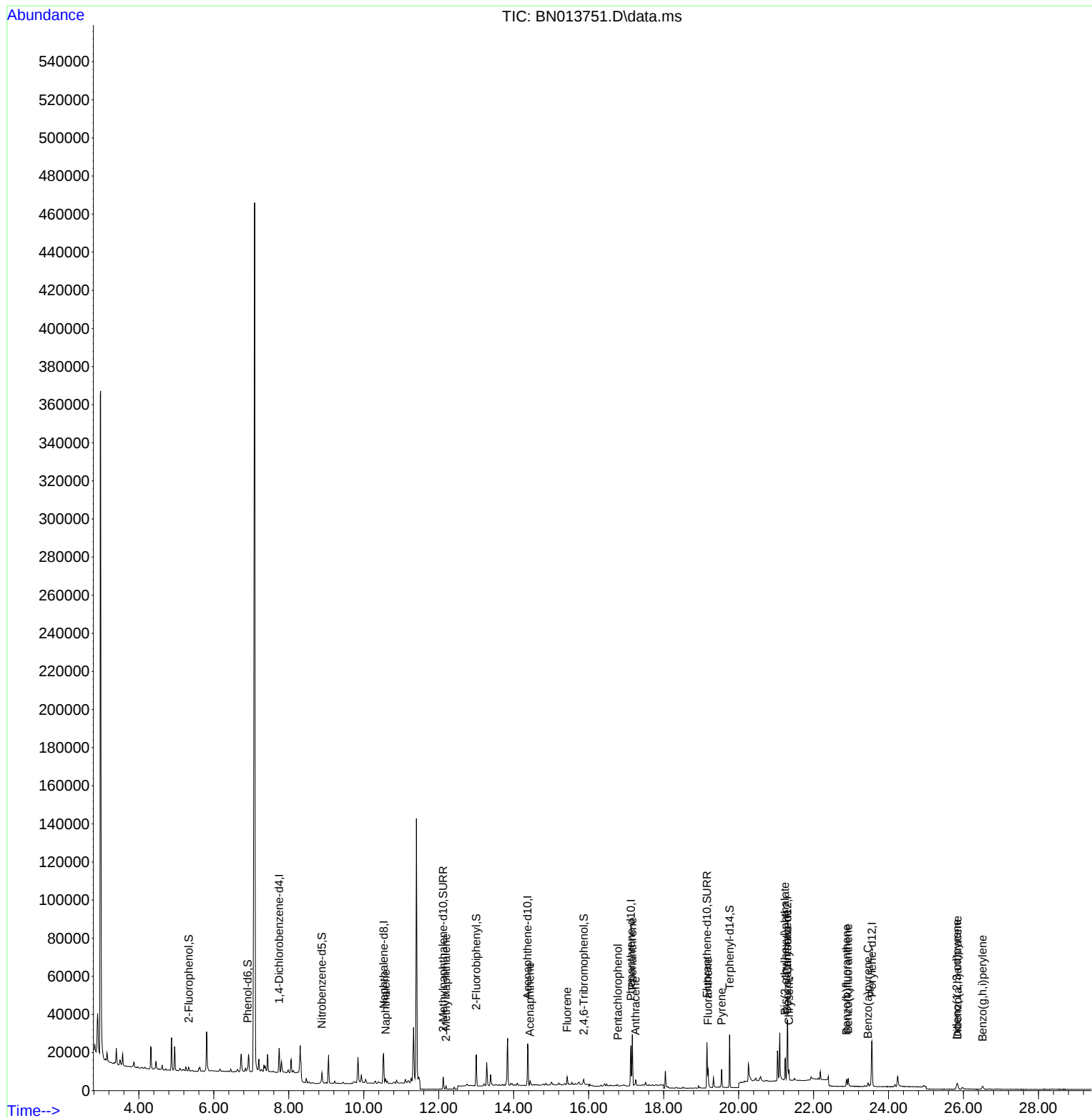
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.741	152	5629	0.40	ng	0.00
7) Naphthalene-d8	10.530	136	22969	0.40	ng	# 0.00
13) Acenaphthene-d10	14.372	164	13526	0.40	ng	-0.01
19) Phenanthrene-d10	17.128	188	29182	0.40	ng	# 0.00
29) Chrysene-d12	21.300	240	30437	0.40	ng	-0.01
36) Perylene-d12	23.555	264	30649	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.333	112	1668	0.11	ng	0.00
5) Phenol-d6	6.903	99	1392	0.07	ng	0.00
8) Nitrobenzene-d5	8.883	82	4271	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.120	152	8294	0.22	ng	0.00
14) 2,4,6-Tribromophenol	15.869	330	2049	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.001	172	12711	0.27	ng	-0.01
27) Fluoranthene-d10	19.156	212	25341	0.29	ng	0.00
31) Terphenyl-d14	19.762	244	26401	0.39	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.581	128	2566	0.05	ng	# 86
12) 2-Methylnaphthalene	12.195	142	1311	0.03	ng	# 90
17) Acenaphthene	14.435	154	1216	0.03	ng	# 88
18) Fluorene	15.425	166	2394	0.05	ng	# 97
24) Pentachlorophenol	16.775	266	216	0.04	ng	99
25) Phenanthrene	17.165	178	25927	0.34	ng	99
26) Anthracene	17.250	178	3554	0.05	ng	# 95
28) Fluoranthene	19.186	202	8033	0.09	ng	# 97
30) Pyrene	19.548	202	8305	0.09	ng	96
32) Benzo(a)anthracene	21.290	228	4142	0.04	ng	92
33) Chrysene	21.343	228	4571	0.05	ng	# 96
34) Bis(2-ethylhexyl)phtha...	21.237	149	12107	0.27	ng	99
35) Indeno(1,2,3-cd)pyrene	25.824	276	3876	0.03	ng	99
37) Benzo(b)fluoranthene	22.877	252	4571	0.05	ng	# 79
38) Benzo(k)fluoranthene	22.922	252	4104	0.04	ng	# 39
39) Benzo(a)pyrene	23.452	252	2915	0.03	ng	# 68
40) Dibenzo(a,h)anthracene	25.842	278	2818	0.03	ng	# 62
41) Benzo(g,h,i)perylene	26.509	276	3377	0.04	ng	# 85

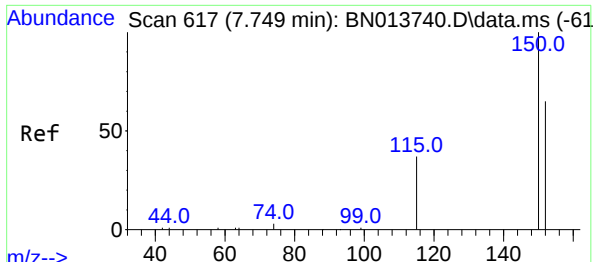
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 24 21:36:22 2021
Response via : Initial Calibration

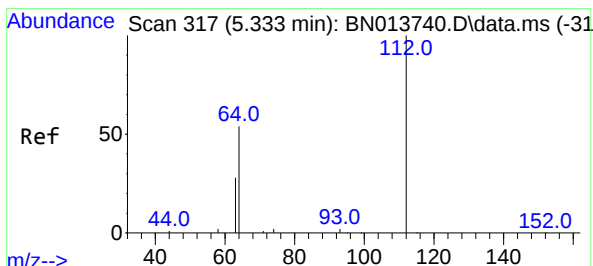
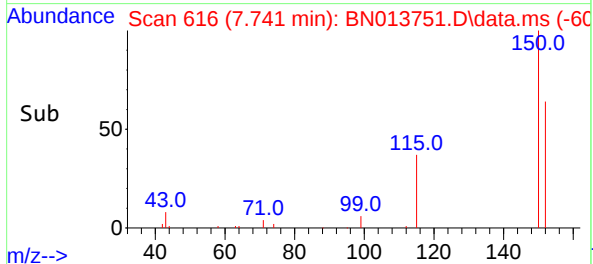
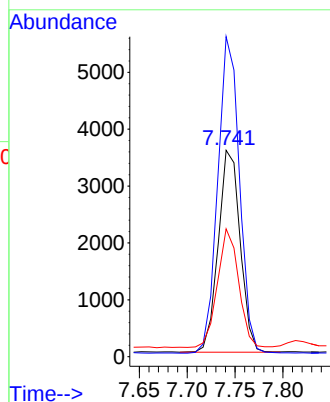
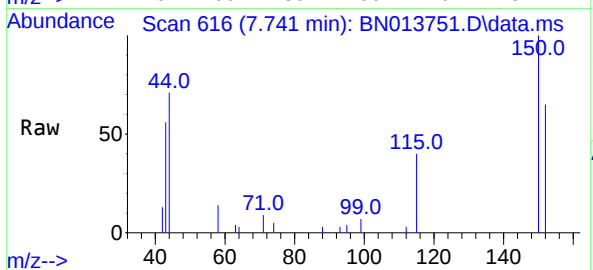




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.741 min Scan# 616
Delta R.T. -0.008 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

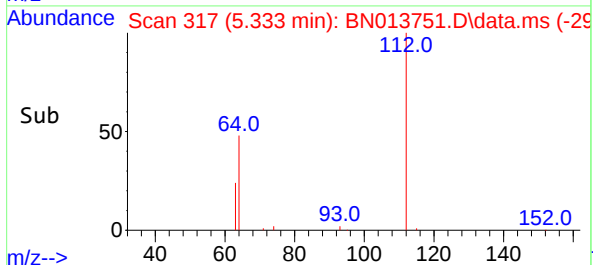
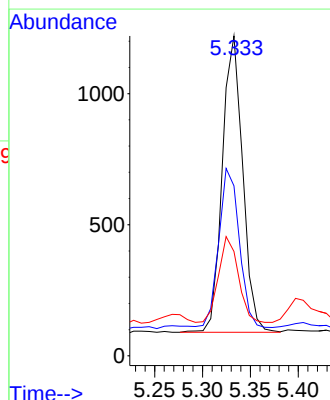
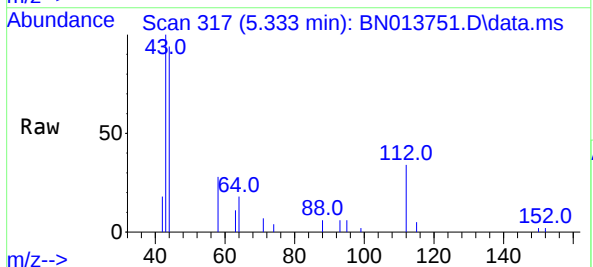
Instrument :
BNA_N
ClientSampleId :
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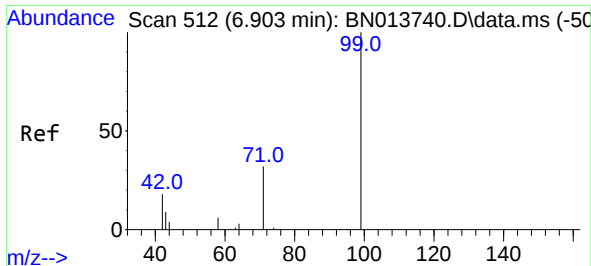
Tgt Ion:152 Resp: 5629
Ion Ratio Lower Upper
152 100
150 155.0 121.8 182.8
115 61.9 46.6 69.8



#4
2-Fluorophenol
Concen: 0.11 ng
RT: 5.333 min Scan# 317
Delta R.T. 0.000 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

Tgt Ion:112 Resp: 1668
Ion Ratio Lower Upper
112 100
64 54.9 44.3 66.5
63 28.4 23.0 34.6

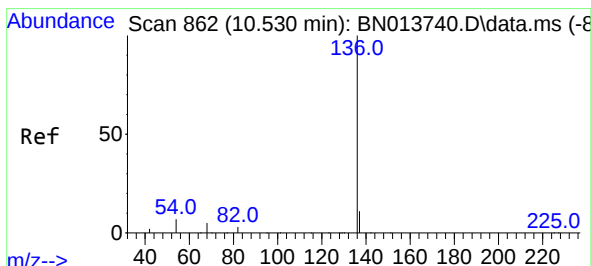
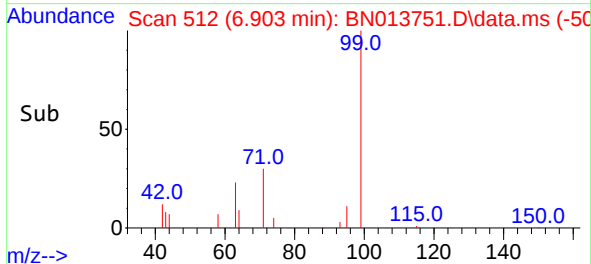
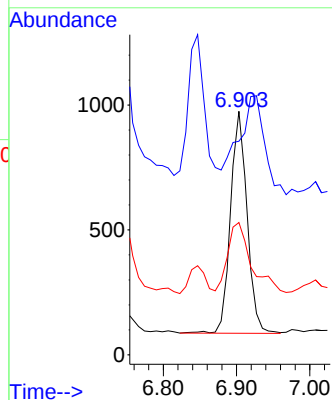
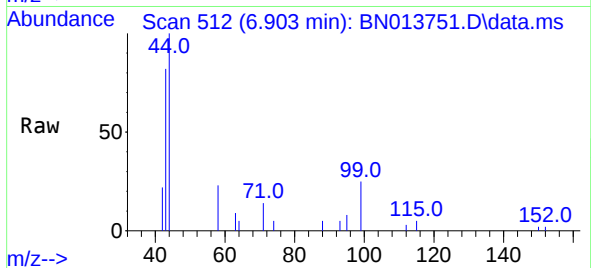




#5
Phenol-d6
Concen: 0.07 ng
RT: 6.903 min Scan# 512
Delta R.T. 0.000 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

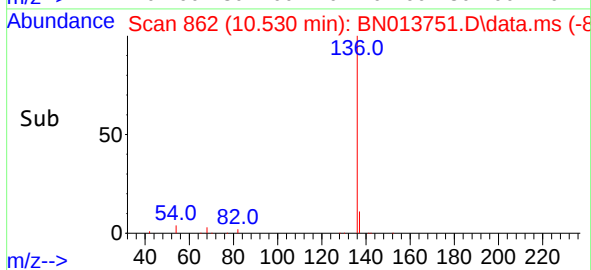
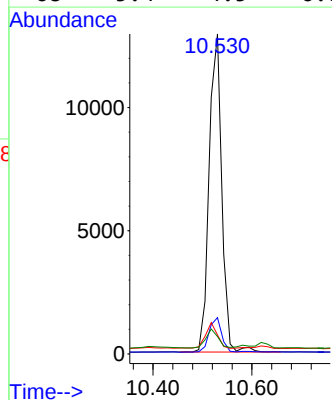
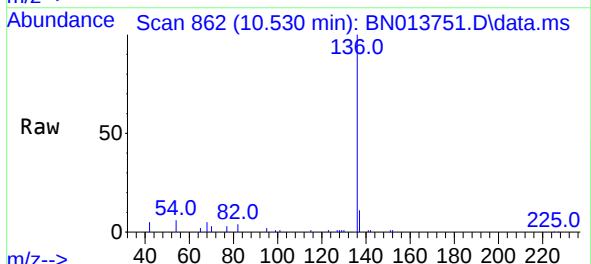
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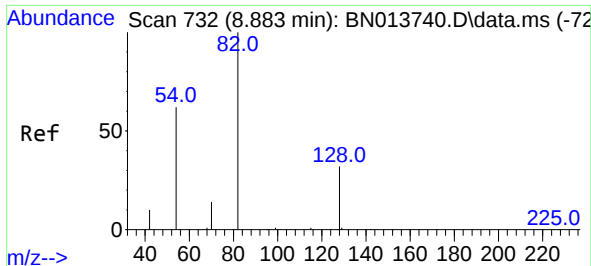
Tgt Ion: 99 Resp: 1392
Ion Ratio Lower Upper
99 100
42 0.0 15.2 22.8#
71 44.6 26.1 39.1#



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.530 min Scan# 862
Delta R.T. 0.000 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

Tgt Ion: 136 Resp: 22969
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 6.0 6.4 9.6#
68 5.4 4.5 6.7

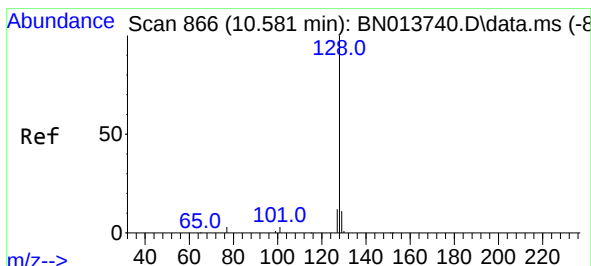
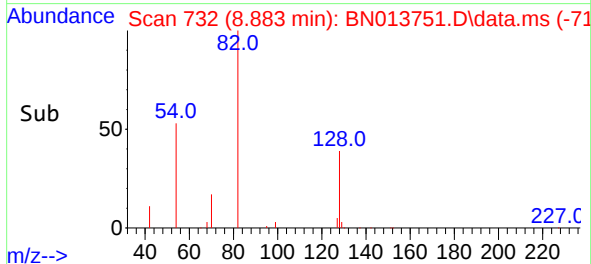
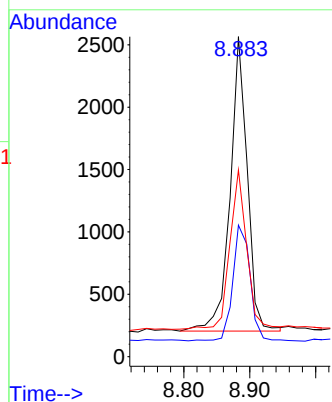
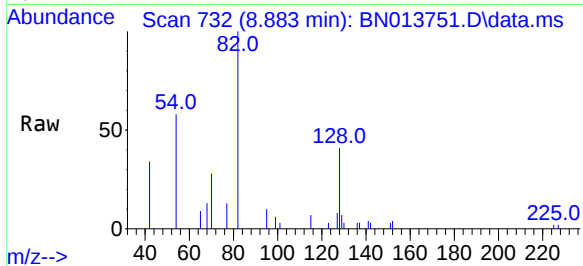




#8
Nitrobenzene-d5
Concen: 0.29 ng
RT: 8.883 min Scan# 732
Delta R.T. 0.000 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

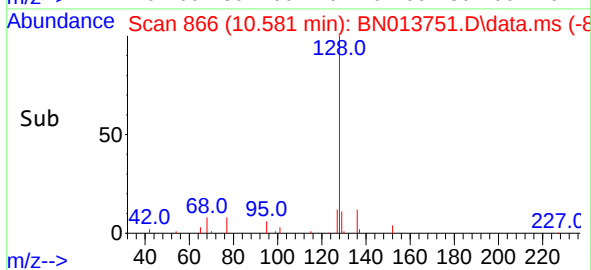
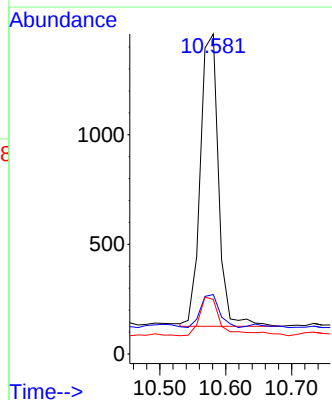
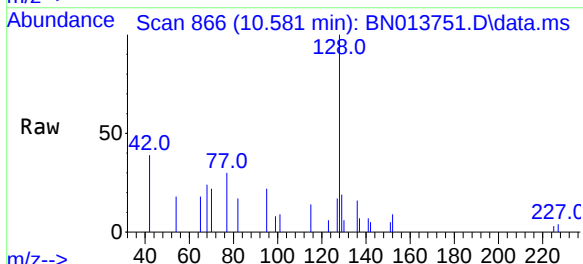
Instrument :
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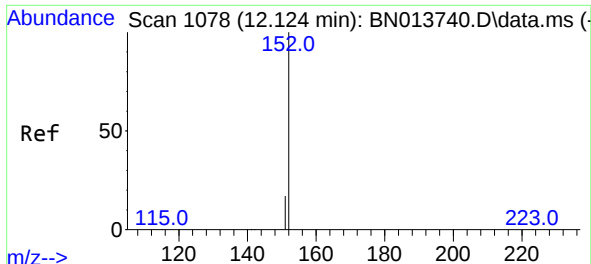
Tgt Ion: 82 Resp: 4271
Ion Ratio Lower Upper
82 100
128 41.1 39.2 58.8
54 58.4 40.1 60.1



#9
Naphthalene
Concen: 0.05 ng
RT: 10.581 min Scan# 866
Delta R.T. 0.000 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

Tgt Ion: 128 Resp: 2566
Ion Ratio Lower Upper
128 100
129 18.6 9.0 13.4#
127 17.1 10.4 15.6#

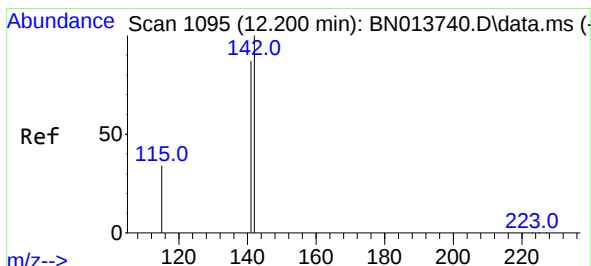
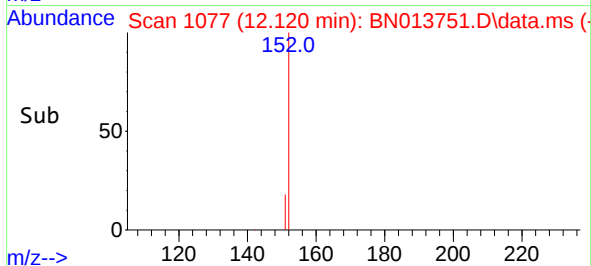
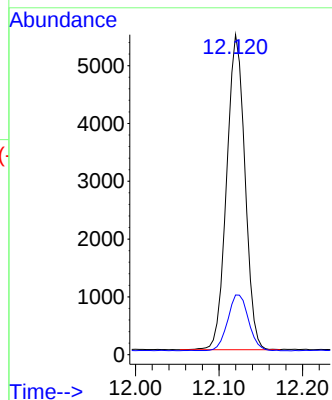
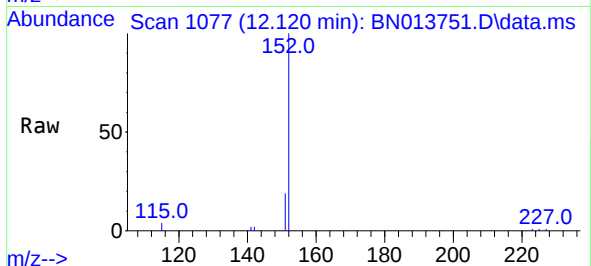




#11
2-Methylnaphthalene-d10
Concen: 0.22 ng
RT: 12.120 min Scan# 1077
Delta R.T. -0.004 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

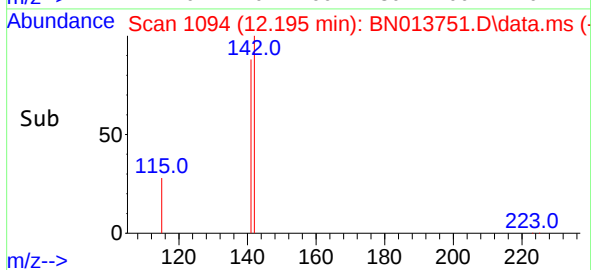
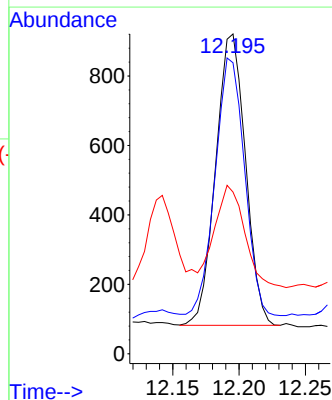
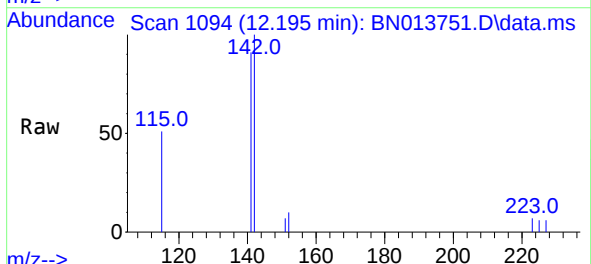
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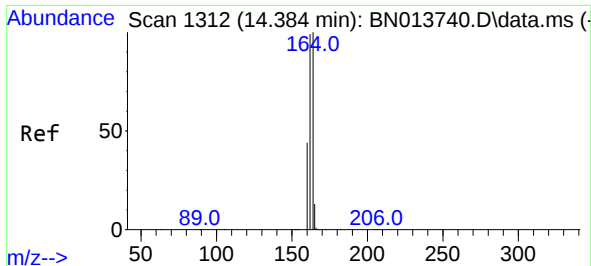
Tgt Ion:152 Resp: 8294
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2



#12
2-Methylnaphthalene
Concen: 0.03 ng
RT: 12.195 min Scan# 1094
Delta R.T. -0.004 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

Tgt Ion:142 Resp: 1311
Ion Ratio Lower Upper
142 100
141 91.0 70.5 105.7
115 50.6 27.4 41.0#

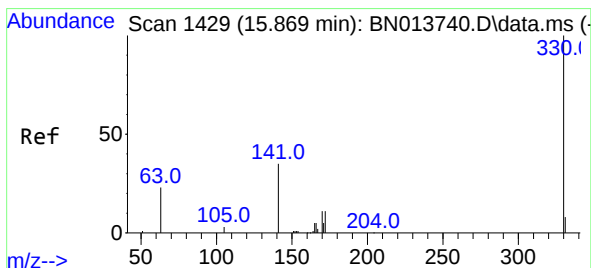
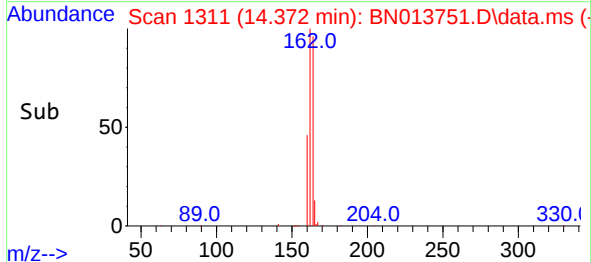
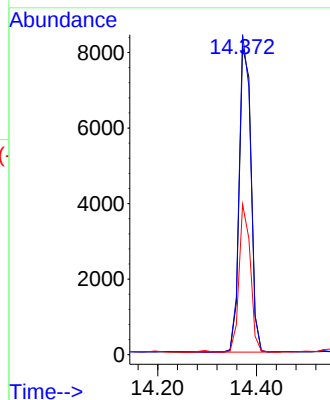
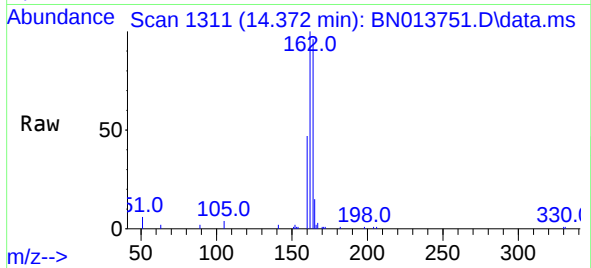




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.372 min Scan# 1311
Delta R.T. -0.013 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

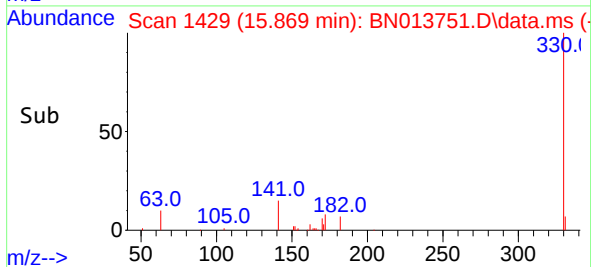
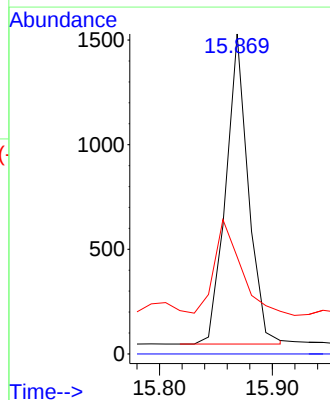
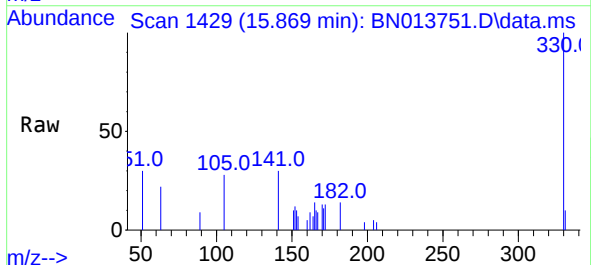
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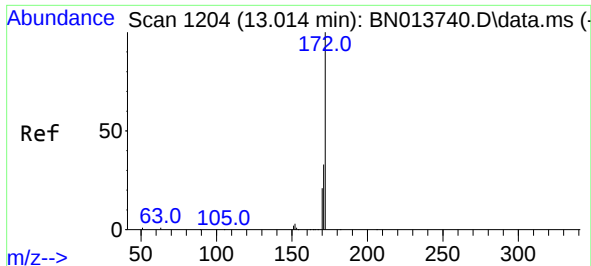
Tgt Ion:164 Resp: 13526
Ion Ratio Lower Upper
164 100
162 103.8 79.6 119.4
160 48.8 36.0 54.0



#14
2,4,6-Tribromophenol
Concen: 0.37 ng
RT: 15.869 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

Tgt Ion:330 Resp: 2049
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.7 26.8 40.2

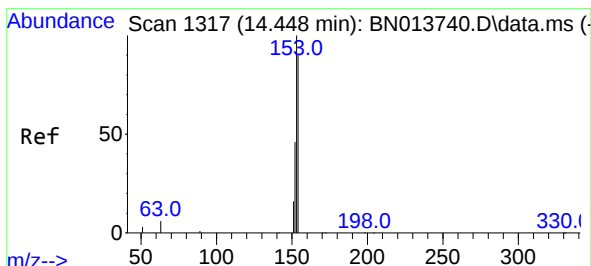
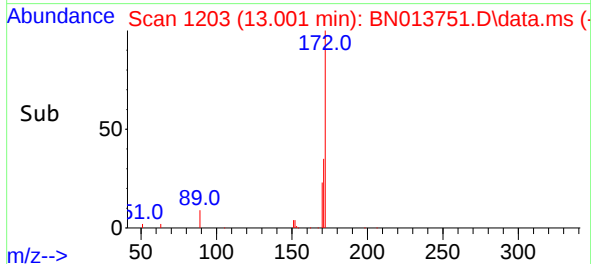
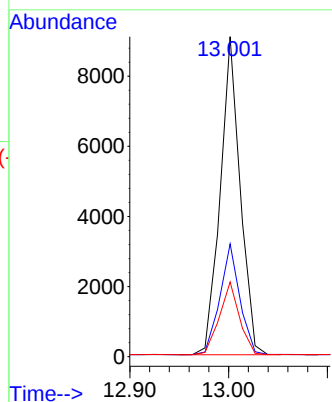
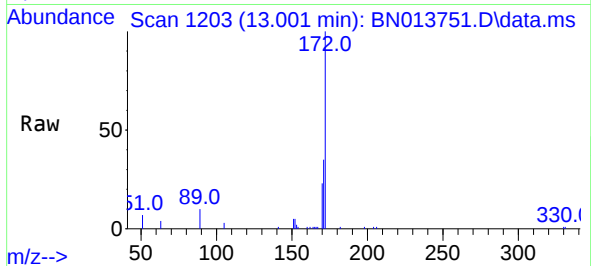




#15
2-Fluorobiphenyl
Concen: 0.27 ng
RT: 13.001 min Scan# 1203
Delta R.T. -0.013 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

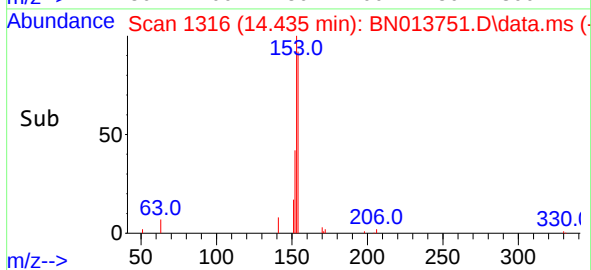
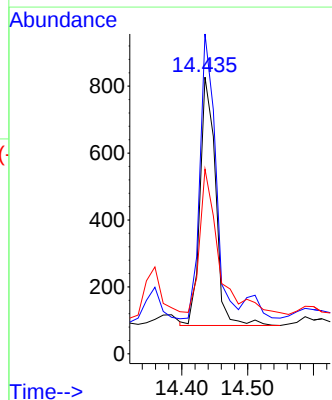
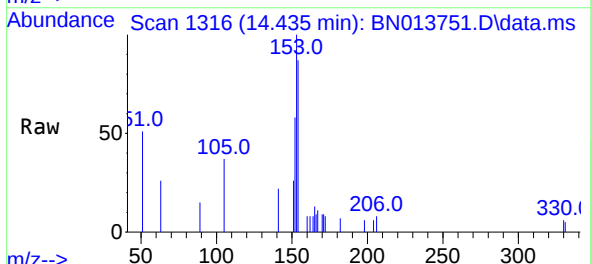
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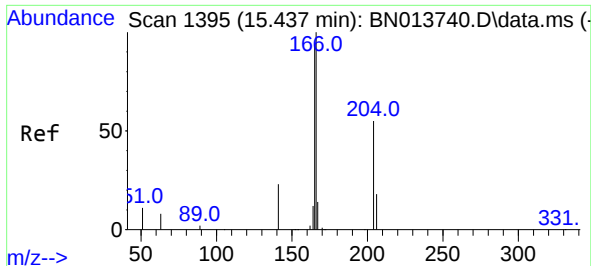
Tgt Ion:	172	Resp:	12711
Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	42.8
170	23.4	18.9	28.3



#17
Acenaphthene
Concen: 0.03 ng
RT: 14.435 min Scan# 1316
Delta R.T. -0.013 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

Tgt Ion:	154	Resp:	1216
Ion	Ratio	Lower	Upper
154	100		
153	115.5	88.4	132.6
152	72.1	43.0	64.4

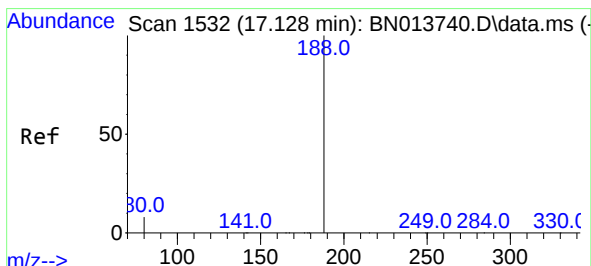
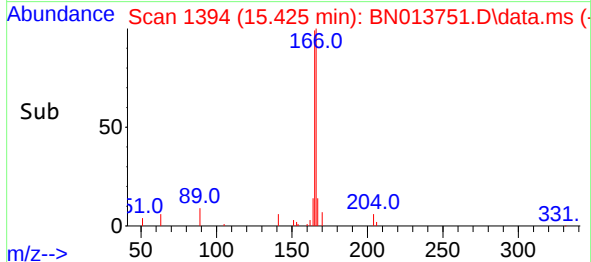
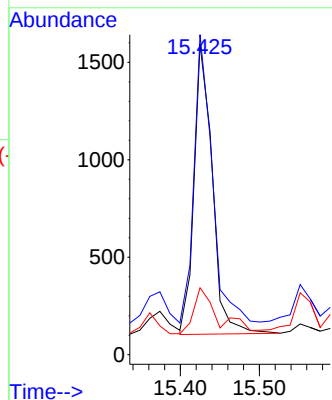
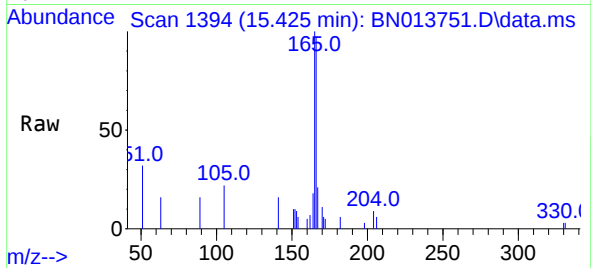




#18
Fluorene
Concen: 0.05 ng
RT: 15.425 min Scan# 1394
Delta R.T. -0.013 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

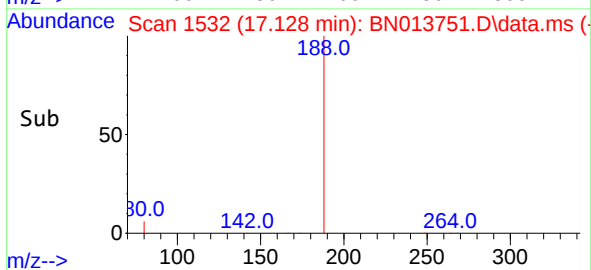
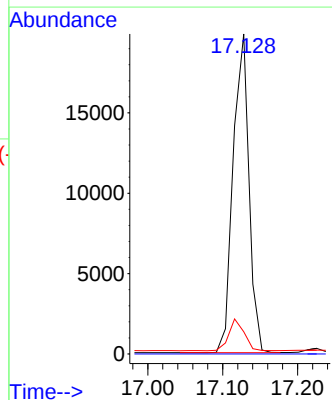
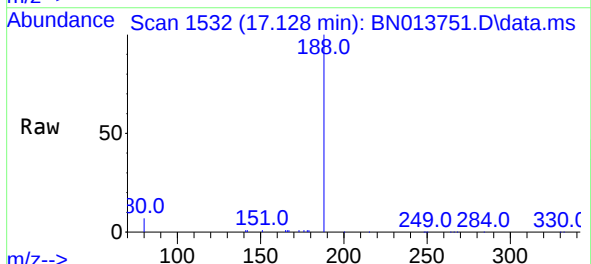
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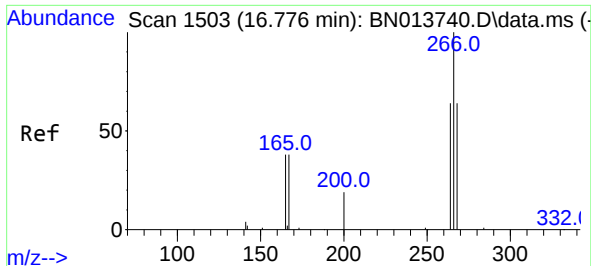
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Ion Ratio Lower Upper
166 100
165 98.4 77.8 116.8
167 21.4 10.6 16.0#



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.128 min Scan# 1532
Delta R.T. -0.000 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

Tgt Ion:188 Resp: 29182
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.0 9.0 13.6#

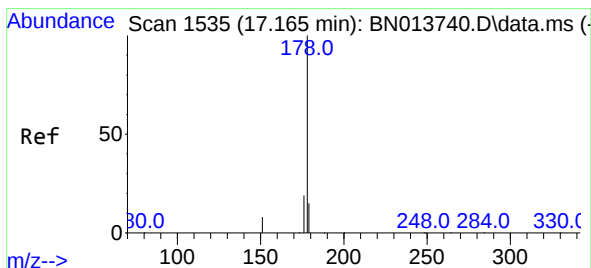
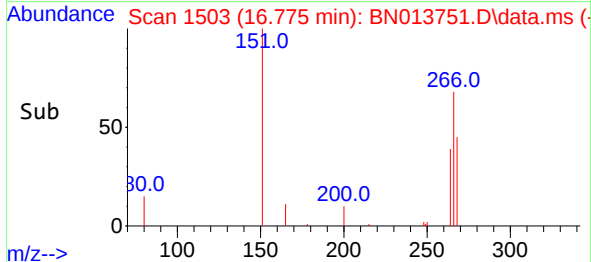
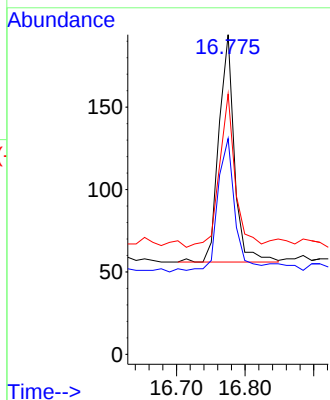
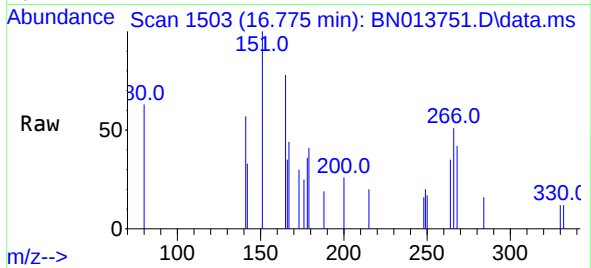




#24
Pentachlorophenol
Concen: 0.04 ng
RT: 16.775 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

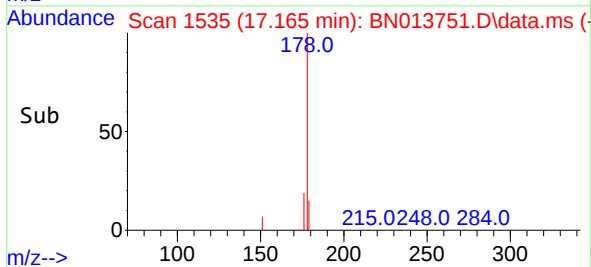
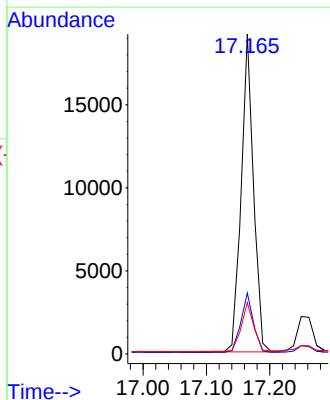
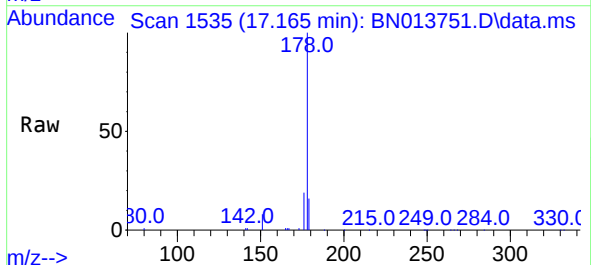
Instrument :
BNA_N
ClientSampleId :
GW803-20-25-022321-FD

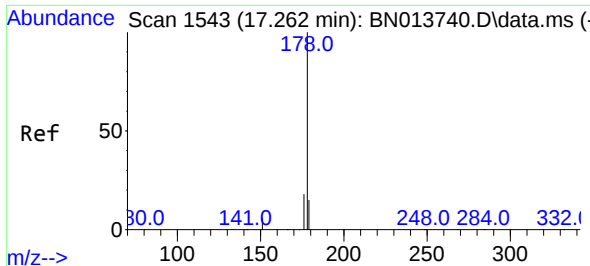
Tgt Ion:266 Resp: 216
Ion Ratio Lower Upper
266 100
264 62.5 51.6 77.4
268 68.1 54.6 82.0



#25
Phenanthrene
Concen: 0.34 ng
RT: 17.165 min Scan# 1535
Delta R.T. -0.000 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

Tgt Ion:178 Resp: 25927
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.9 12.3 18.5

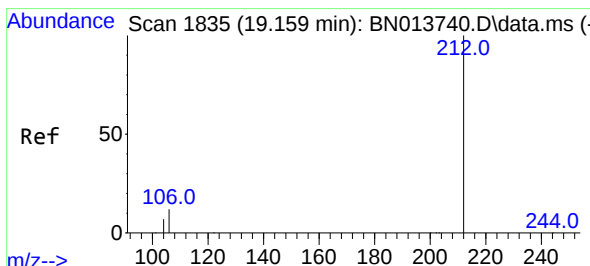
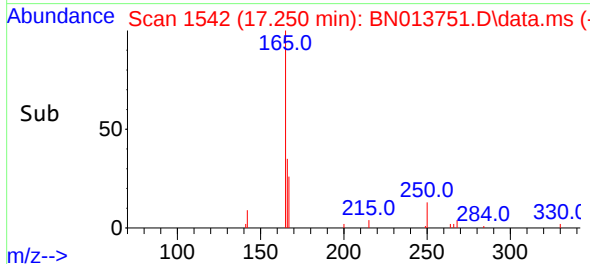
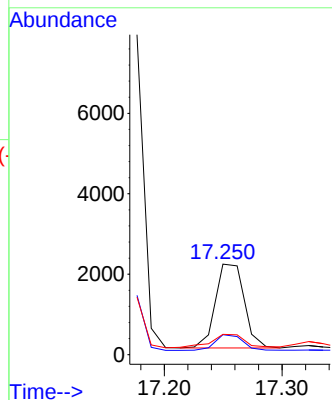
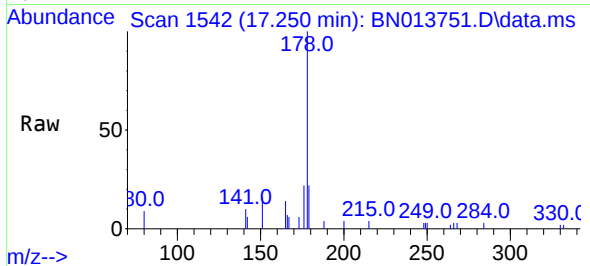




#26
 Anthracene
 Concen: 0.05 ng
 RT: 17.250 min Scan# 1542
 Delta R.T. -0.013 min
 Lab File: BN013751.D
 Acq: 25 Feb 2021 06:32

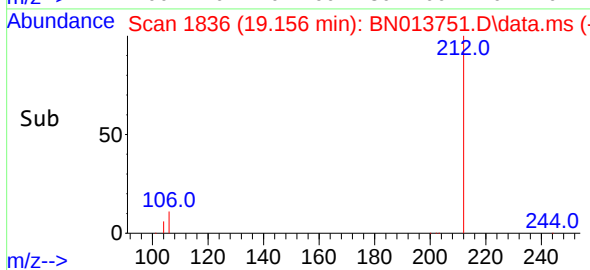
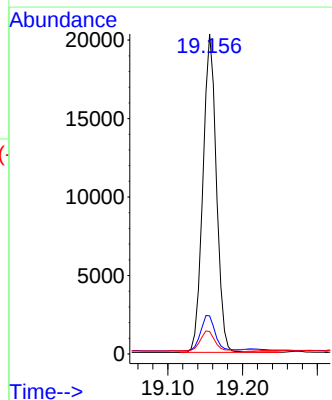
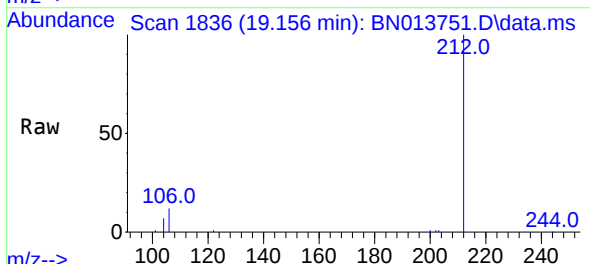
Instrument :
 BNA_N
 ClientSampleId :
 GW803-20-25-022321-FD

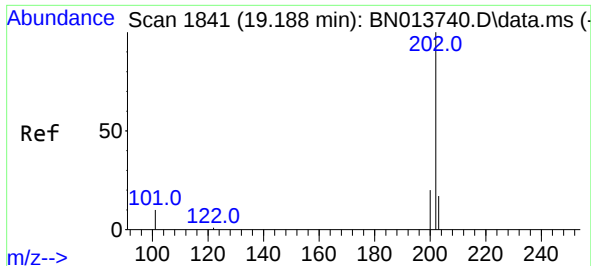
Tgt Ion:178 Resp: 3554
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.6 21.8
 179 19.6 12.2 18.2#



#27
 Fluoranthene-d10
 Concen: 0.29 ng
 RT: 19.156 min Scan# 1836
 Delta R.T. -0.003 min
 Lab File: BN013751.D
 Acq: 25 Feb 2021 06:32

Tgt Ion:212 Resp: 25341
 Ion Ratio Lower Upper
 212 100
 106 12.0 9.7 14.5
 104 6.6 5.5 8.3



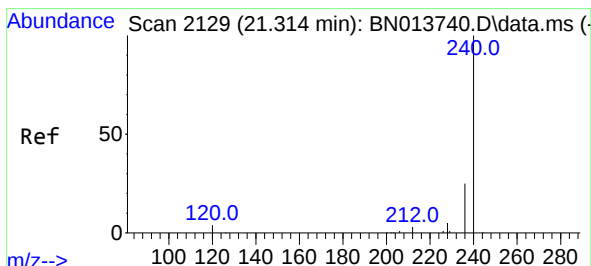
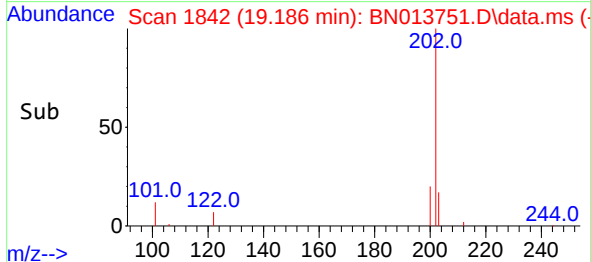
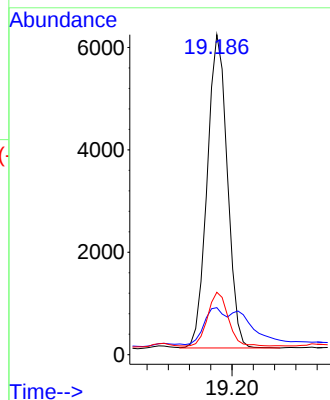
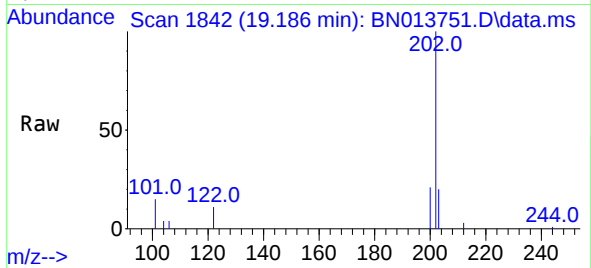


#28
Fluoranthene
Concen: 0.09 ng
RT: 19.186 min Scan# 1842
Delta R.T. -0.003 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

Instrument :
BNA_N
ClientSampleId :
GW803-20-25-022321-FD

Tgt Ion:202 Resp: 8033

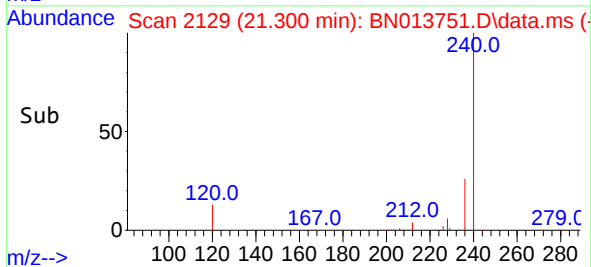
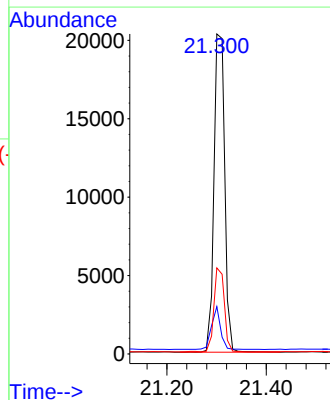
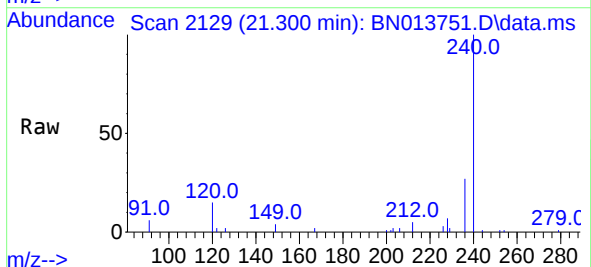
Ion	Ratio	Lower	Upper
202	100		
101	12.7	8.1	12.1#
203	17.5	13.9	20.9

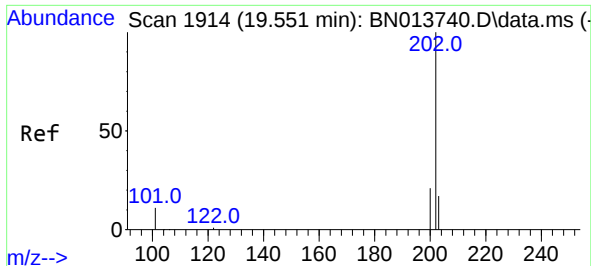


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.300 min Scan# 2129
Delta R.T. -0.013 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

Tgt Ion:240 Resp: 30437

Ion	Ratio	Lower	Upper
240	100		
120	14.8	10.2	15.4
236	26.9	21.3	31.9

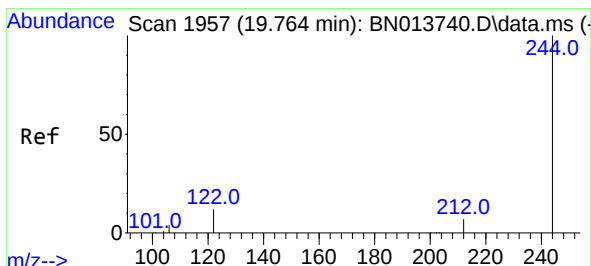
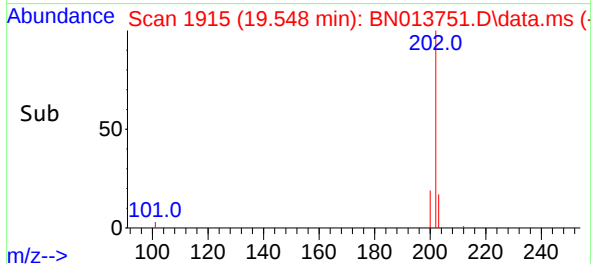
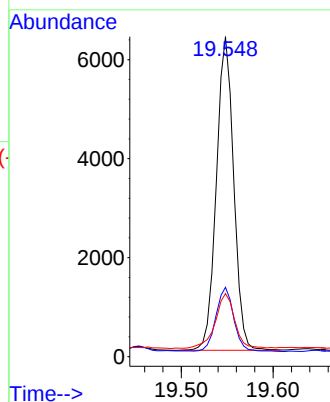
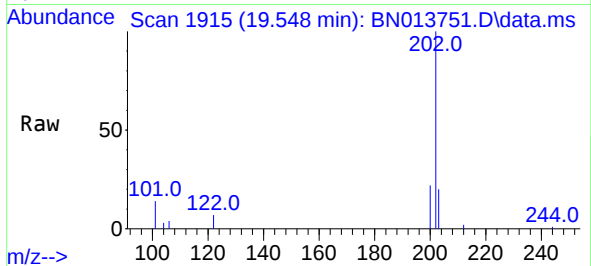




#30
Pyrene
Concen: 0.09 ng
RT: 19.548 min Scan# 1915
Delta R.T. -0.003 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

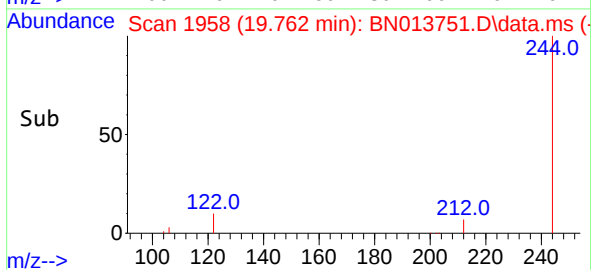
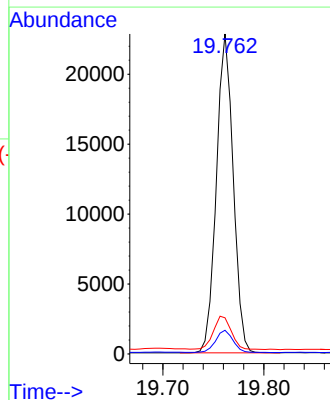
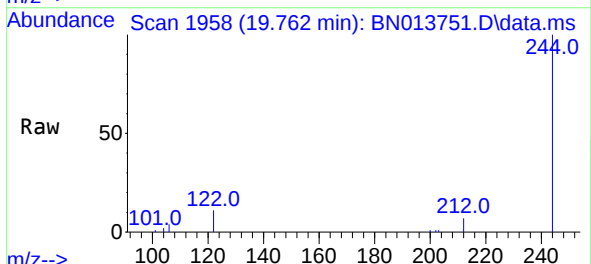
Instrument :
BNA_N
ClientSampleId :
GW803-20-25-022321-FD

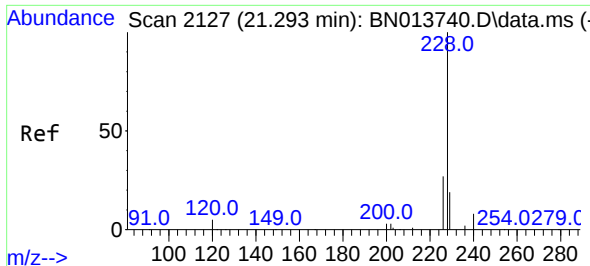
Tgt Ion:202	Resp:	8305
Ion Ratio	Lower	Upper
202	100	
200	21.1	16.3 24.5
203	20.2	14.0 21.0



#31
Terphenyl-d14
Concen: 0.39 ng
RT: 19.762 min Scan# 1958
Delta R.T. -0.003 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

Tgt Ion:244	Resp:	26401
Ion Ratio	Lower	Upper
244	100	
212	7.4	6.1 9.1
122	11.3	9.8 14.8

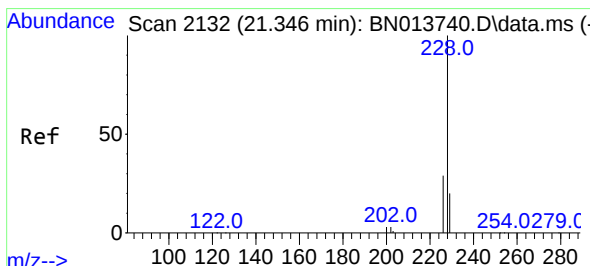
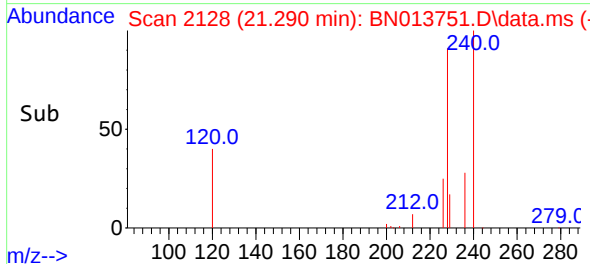
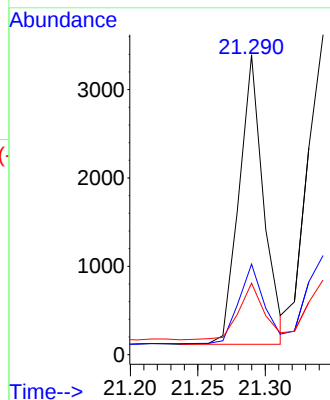
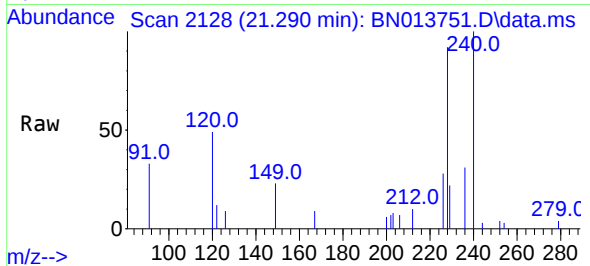




#32
Benzo(a)anthracene
Concen: 0.04 ng
RT: 21.290 min Scan# 2128
Delta R.T. -0.003 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

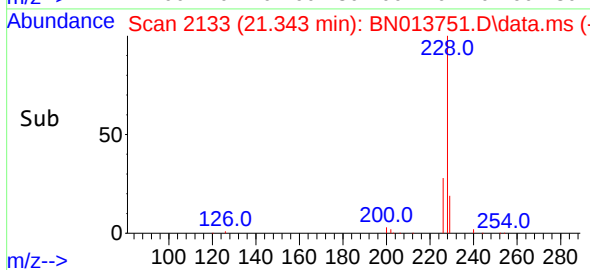
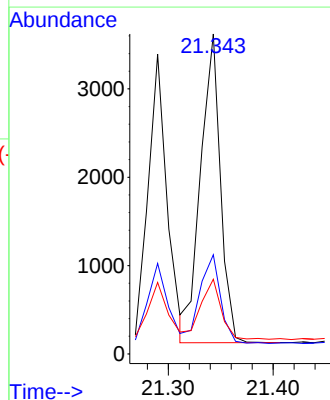
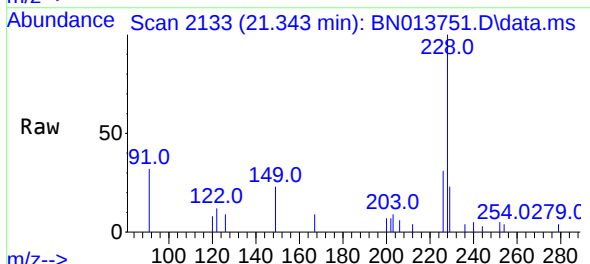
Instrument :
BNA_N
ClientSampleId :
GW803-20-25-022321-FD

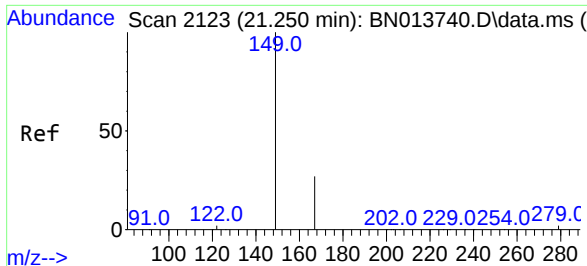
Tgt Ion:228 Resp: 4142
Ion Ratio Lower Upper
228 100
226 30.2 20.5 30.7
229 23.9 16.2 24.4



#33
Chrysene
Concen: 0.05 ng
RT: 21.343 min Scan# 2133
Delta R.T. -0.003 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

Tgt Ion:228 Resp: 4571
Ion Ratio Lower Upper
228 100
226 31.0 24.3 36.5
229 23.4 15.1 22.7#



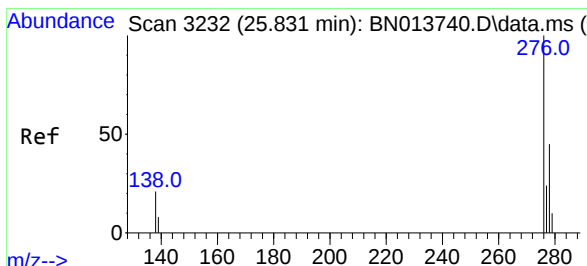
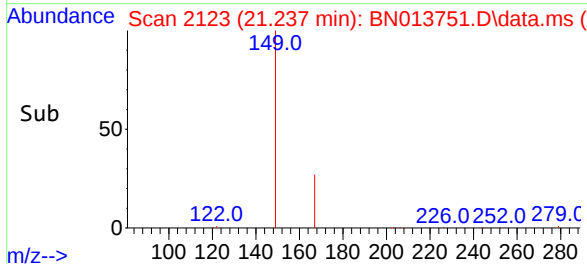
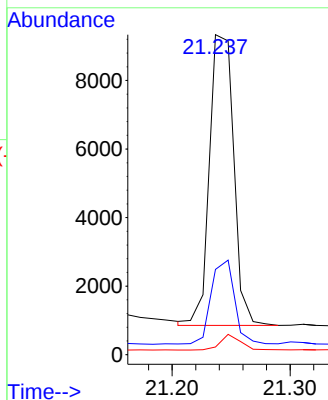
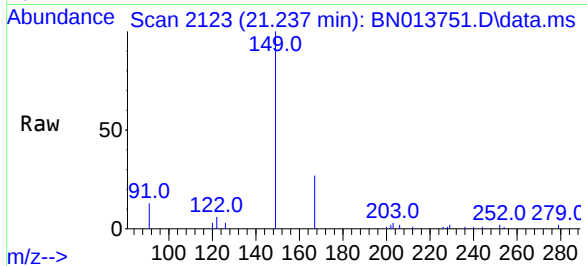


#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.27 ng
 RT: 21.237 min Scan# 2123
 Delta R.T. -0.013 min
 Lab File: BN013751.D
 Acq: 25 Feb 2021 06:32

Instrument :
 BNA_N
 ClientSampleId :
 GW803-20-25-022321-FD

Tgt Ion:149 Resp: 12107

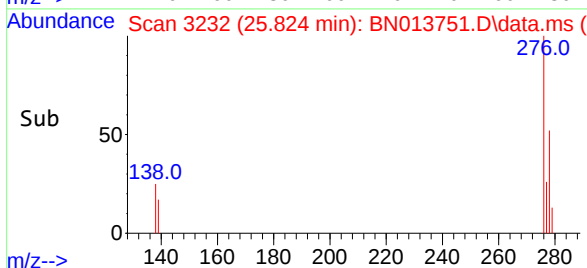
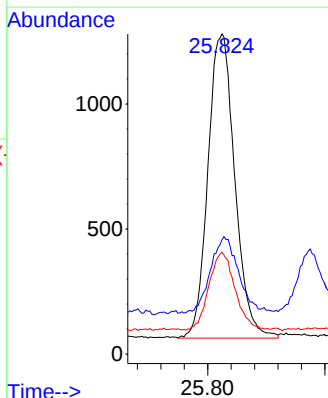
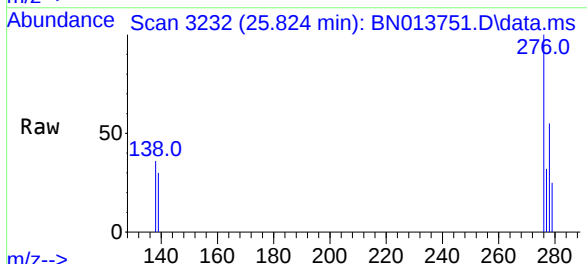
Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.1	33.1
279	4.6	3.5	5.3

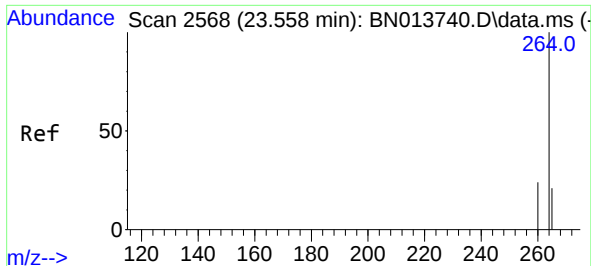


#35
 Indeno(1,2,3-cd)pyrene
 Concen: 0.03 ng
 RT: 25.824 min Scan# 3232
 Delta R.T. -0.006 min
 Lab File: BN013751.D
 Acq: 25 Feb 2021 06:32

Tgt Ion:276 Resp: 3876

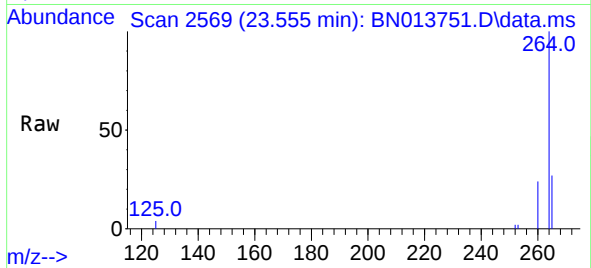
Ion	Ratio	Lower	Upper
276	100		
138	25.8	19.8	29.6
277	24.7	19.9	29.9



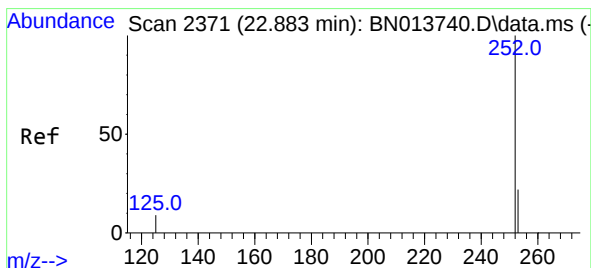
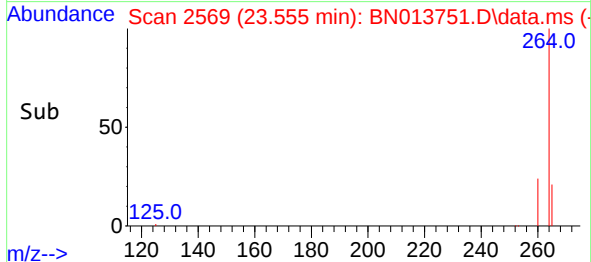
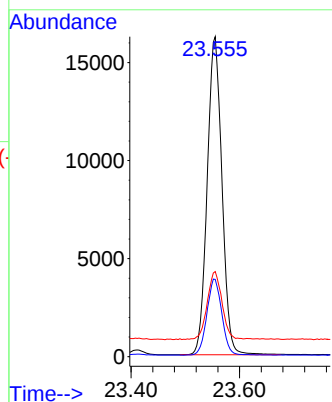


#36
Perylene-d12
Concen: 0.40 ng
RT: 23.555 min Scan# 2569
Delta R.T. -0.003 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

Instrument :
BNA_N
ClientSampleId :
GW803-20-25-022321-FD

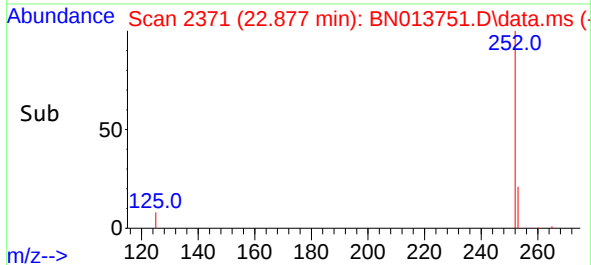
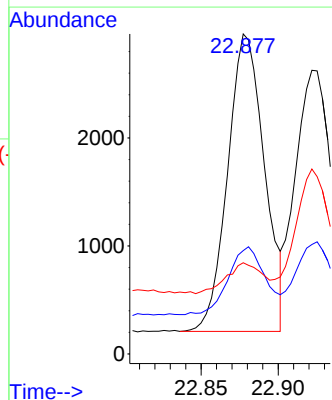
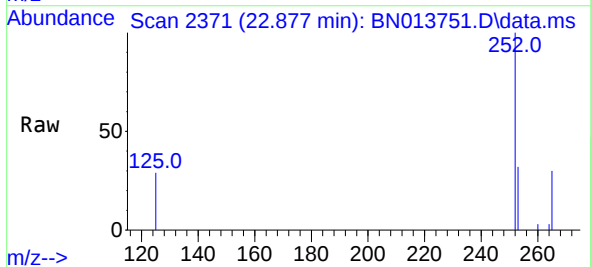


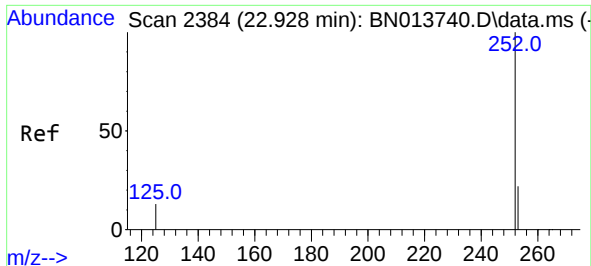
Tgt Ion:264 Resp: 30649
Ion Ratio Lower Upper
264 100
260 24.1 19.3 28.9
265 26.6 66.2 99.4#



#37
Benzo(b)fluoranthene
Concen: 0.05 ng
RT: 22.877 min Scan# 2371
Delta R.T. -0.006 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

Tgt Ion:252 Resp: 4571
Ion Ratio Lower Upper
252 100
253 32.3 20.4 30.6#
125 28.5 11.6 17.4#

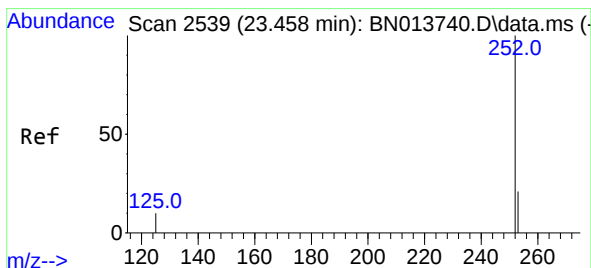
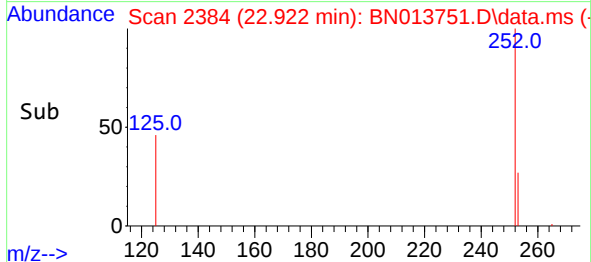
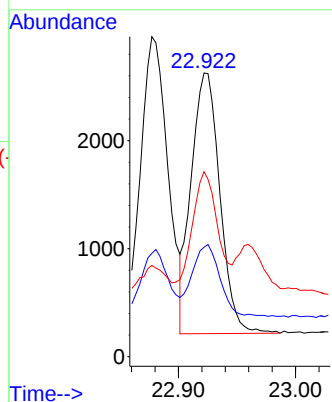
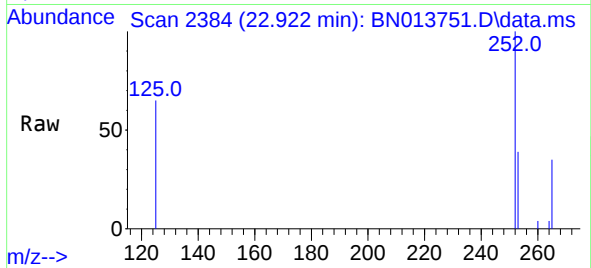




#38
Benzo(k)fluoranthene
Concen: 0.04 ng
RT: 22.922 min Scan# 2384
Delta R.T. -0.006 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

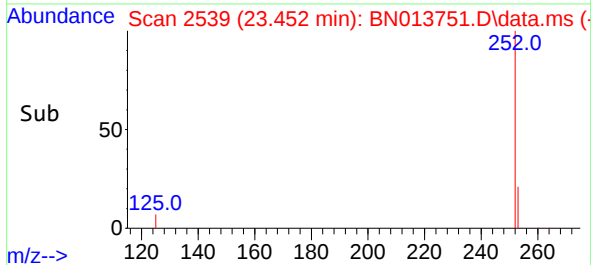
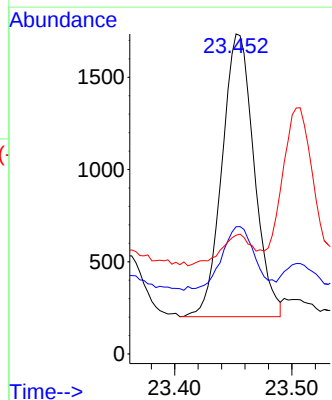
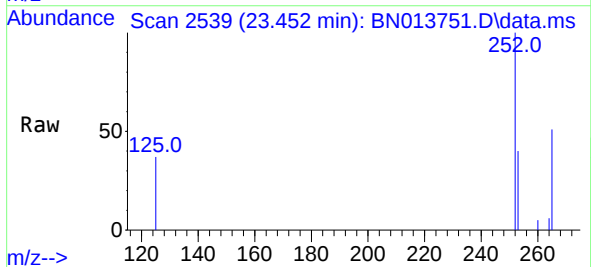
Instrument :
BNA_N
ClientSampleId :
GW803-20-25-022321-FD

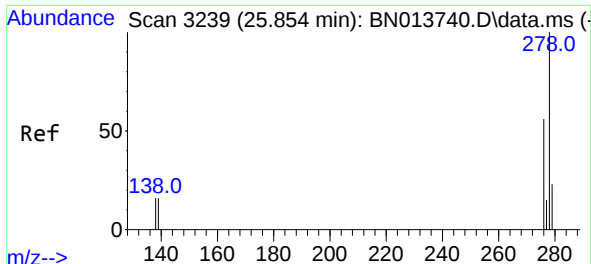
Tgt Ion:252 Resp: 4104
Ion Ratio Lower Upper
252 100
253 38.6 20.5 30.7#
125 65.2 12.3 18.5#



#39
Benzo(a)pyrene
Concen: 0.03 ng
RT: 23.452 min Scan# 2539
Delta R.T. -0.006 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

Tgt Ion:252 Resp: 2915
Ion Ratio Lower Upper
252 100
253 39.8 21.8 32.6#
125 37.1 14.6 21.8#

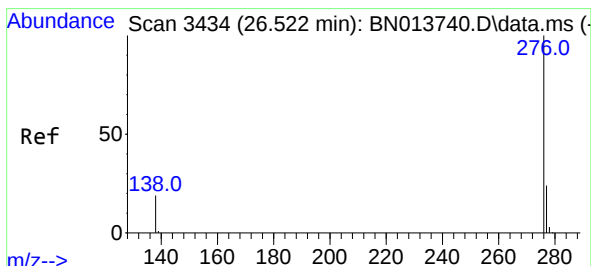
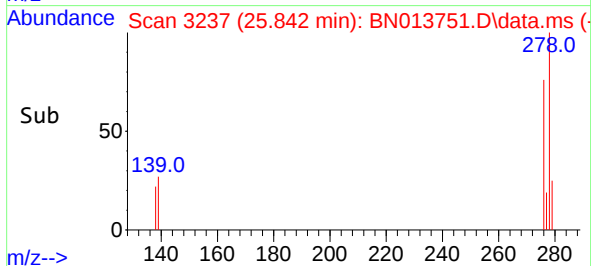
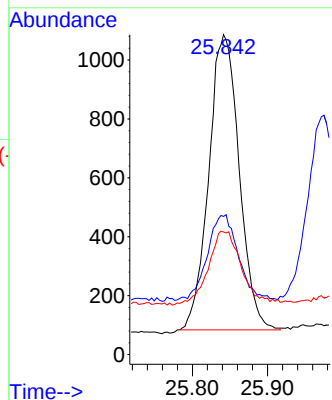
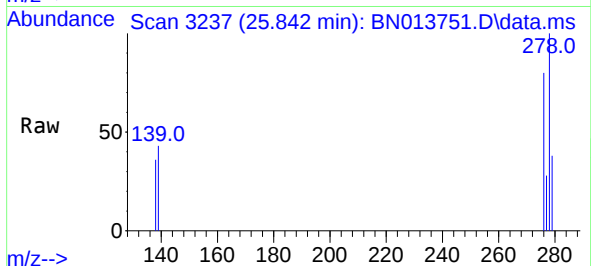




#40
Dibenzo(a,h)anthracene
Concen: 0.03 ng
RT: 25.842 min Scan# 3237
Delta R.T. -0.013 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

Instrument :
BNA_N
ClientSampleId :
GW803-20-25-022321-FD

Tgt Ion:278 Resp: 2818
Ion Ratio Lower Upper
278 100
139 43.2 13.1 19.7#
279 38.3 21.4 32.0#



#41
Benzo(g,h,i)perylene
Concen: 0.04 ng
RT: 26.509 min Scan# 3432
Delta R.T. -0.013 min
Lab File: BN013751.D
Acq: 25 Feb 2021 06:32

Tgt Ion:276 Resp: 3377
Ion Ratio Lower Upper
276 100
277 30.3 20.0 30.0#
138 31.4 17.8 26.8#

