

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102920\
 Data File : BN012444.D
 Acq On : 29 Oct 2020 18:45
 Operator : CG/JU
 Sample : L4560-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 B308-B309-LOC2-SO-0003

Quant Time: Oct 30 00:55:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN102620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 28 10:32:42 2020
 Response via : Initial Calibration

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

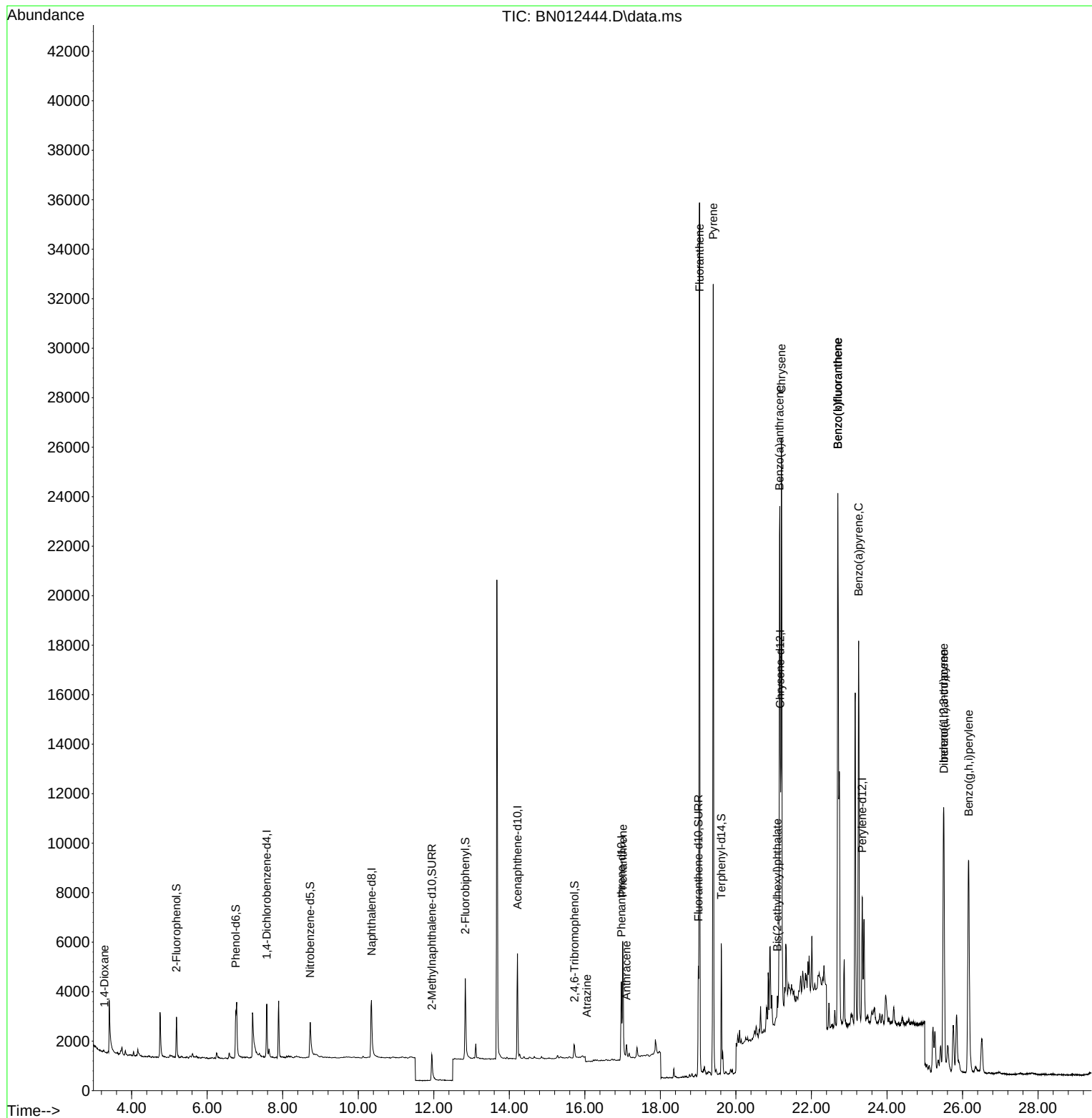
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.578	152	1097	0.40	ng	0.00
7) Naphthalene-d8	10.351	136	4454	0.40	ng	0.00
13) Acenaphthene-d10	14.217	164	2546	0.40	ng	0.00
19) Phenanthrene-d10	16.968	188	5025	0.40	ng	# 0.00
29) Chrysene-d12	21.173	240	5372	0.40	ng	# 0.00
36) Perylene-d12	23.343	264	6234	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.186	112	1169	0.30	ng	0.00
5) Phenol-d6	6.757	99	1451	0.32	ng	0.00
8) Nitrobenzene-d5	8.729	82	1795	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	11.949	152	2224	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.727	330	532	0.29	ng	0.00
15) 2-Fluorobiphenyl	12.834	172	3595	0.38	ng	-0.01
27) Fluoranthene-d10	19.007	212	5113	0.33	ng	0.00
31) Terphenyl-d14	19.613	244	5555	0.44	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.277	88	41	0.02	ng	# 1
23) Atrazine	16.055	200	341	0.12	ng	# 1
25) Phenanthrene	17.005	178	5556	0.38	ng	98
26) Anthracene	17.102	178	627	0.05	ng	# 93
28) Fluoranthene	19.037	202	32201	1.85	ng	99
30) Pyrene	19.400	202	29745	1.64	ng	# 95
32) Benzo(a)anthracene	21.152	228	18174	1.11	ng	98
33) Chrysene	21.205	228	20404	1.11	ng	97
34) Bis(2-ethylhexyl)phtha...	21.099	149	725	0.07	ng	# 93
35) Indeno(1,2,3-cd)pyrene	25.500	276	16672	0.63	ng	97
37) Benzo(b)fluoranthene	22.700	252	33157	1.69	ng	99
38) Benzo(k)fluoranthene	22.700	252	33157	1.55	ng	99
39) Benzo(a)pyrene	23.251	252	20613	1.08	ng	99
40) Dibenzo(a,h)anthracene	25.507	278	4571	0.21	ng	# 79
41) Benzo(g,h,i)perylene	26.164	276	17706	0.78	ng	98

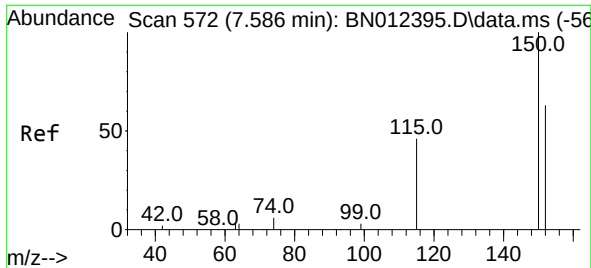
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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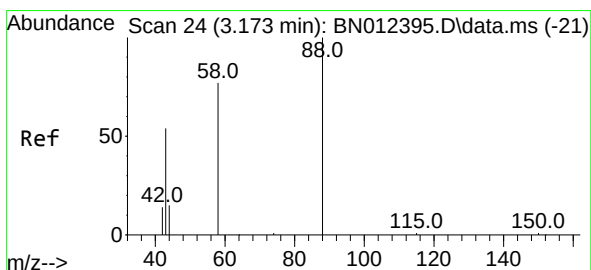
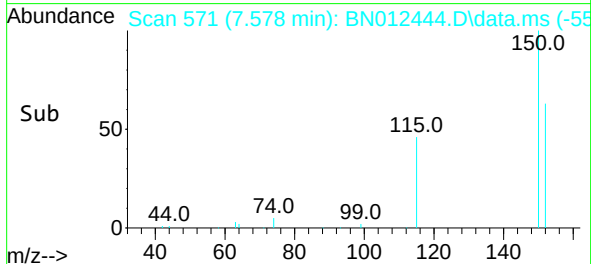
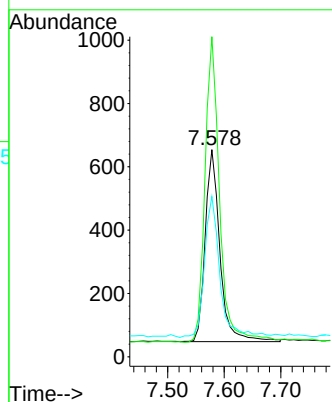
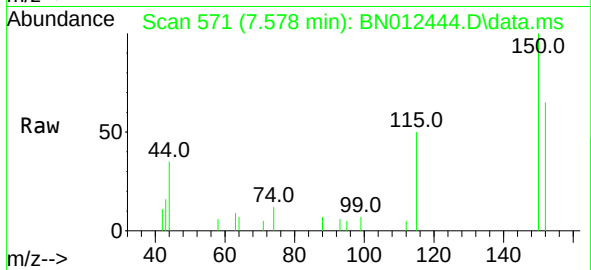




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.578 min Scan# 571
 Delta R.T. -0.000 min
 Lab File: BN012444.D
 Acq: 29 Oct 2020 18:45

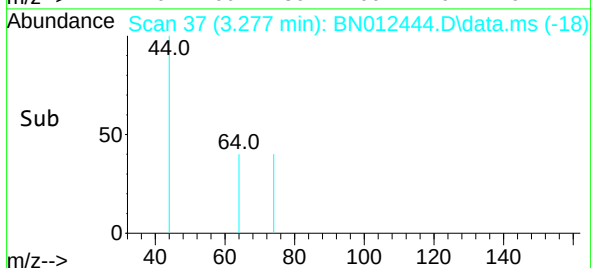
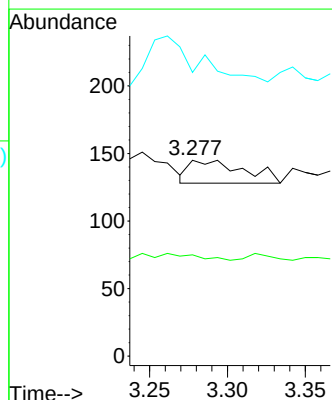
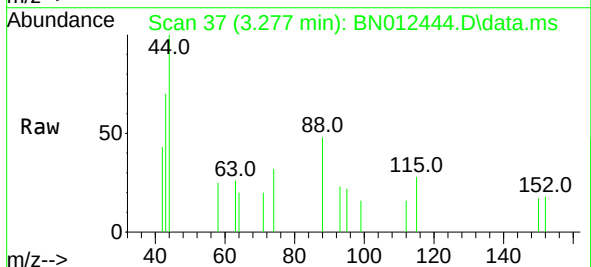
Instrument :
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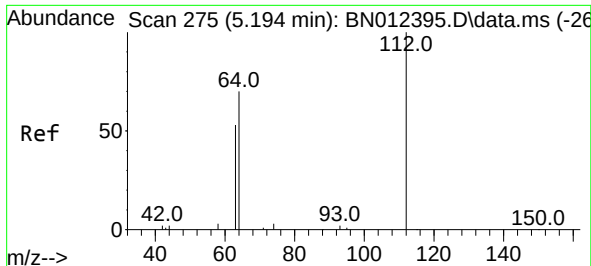
Tgt Ion:152 Resp: 1097
 Ion Ratio Lower Upper
 152 100
 150 154.6 116.6 174.8
 115 77.4 52.9 79.3



#2
 1,4-Dioxane
 Concen: 0.02 ng
 RT: 3.277 min Scan# 37
 Delta R.T. 0.105 min
 Lab File: BN012444.D
 Acq: 29 Oct 2020 18:45

Tgt Ion: 88 Resp: 41
 Ion Ratio Lower Upper
 88 100
 58 0.0 59.4 89.2#
 43 202.4 32.3 48.5#

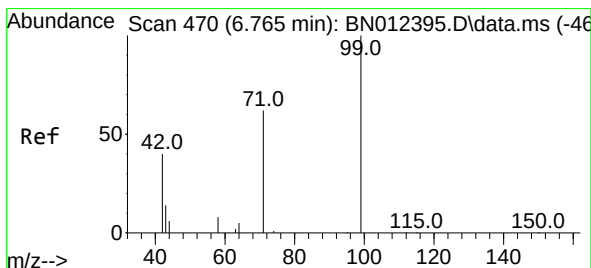
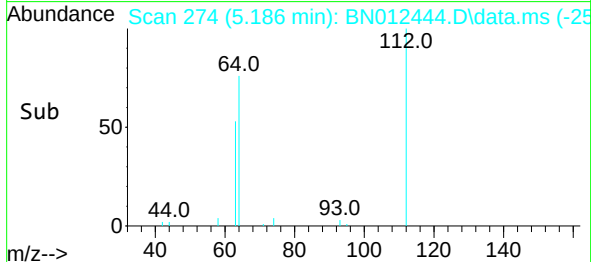
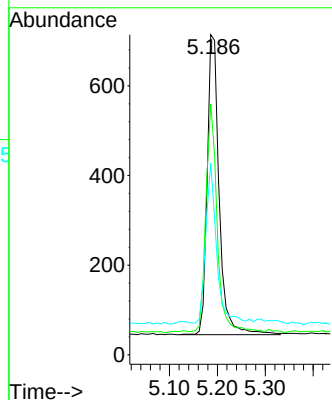
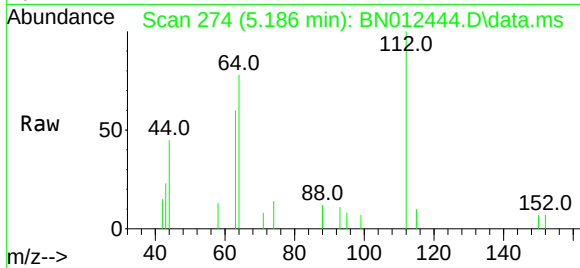




#4
2-Fluorophenol
Concen: 0.30 ng
RT: 5.186 min Scan# 274
Delta R.T. -0.008 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

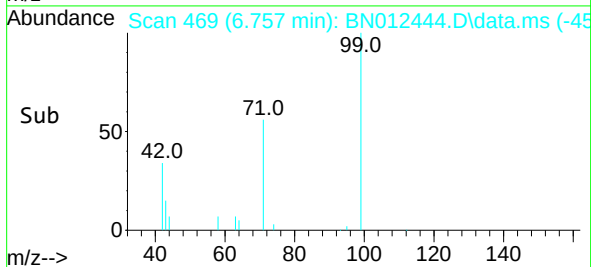
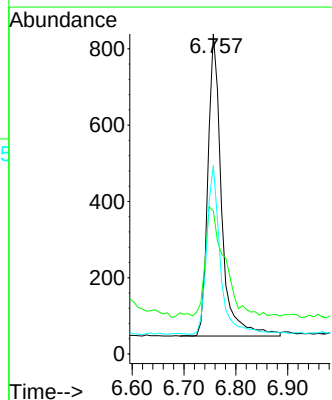
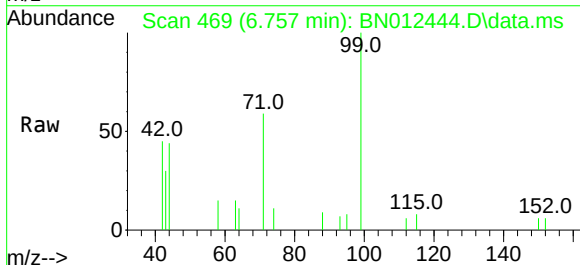
Instrument :
BNA_N
ClientSampleId :
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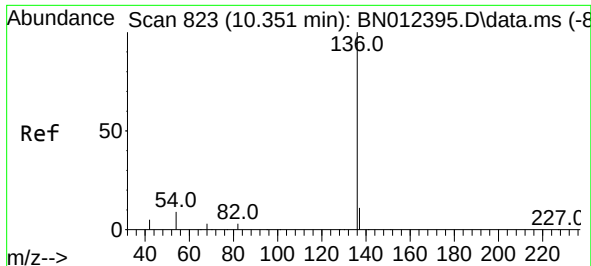
Tgt Ion:	112	Resp:	1169
Ion	Ratio	Lower	Upper
112	100		
64	70.9	49.5	74.3
63	47.6	32.0	48.0



#5
Phenol-d6
Concen: 0.32 ng
RT: 6.757 min Scan# 469
Delta R.T. -0.008 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

Tgt Ion:	99	Resp:	1451
Ion	Ratio	Lower	Upper
99	100		
42	51.7	22.4	33.6#
71	55.8	37.8	56.6

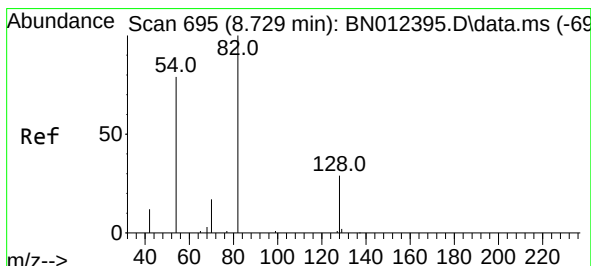
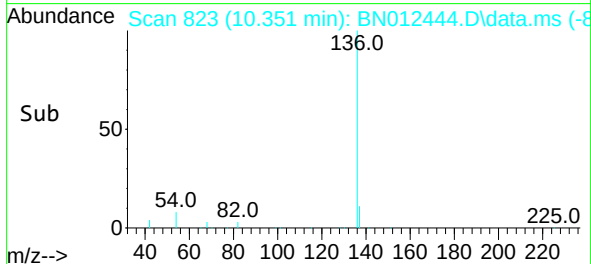
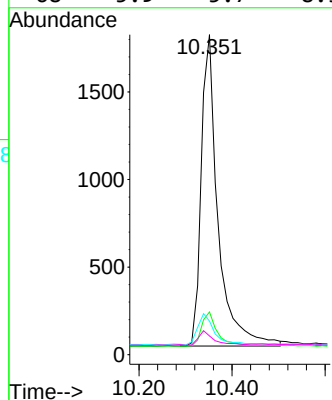
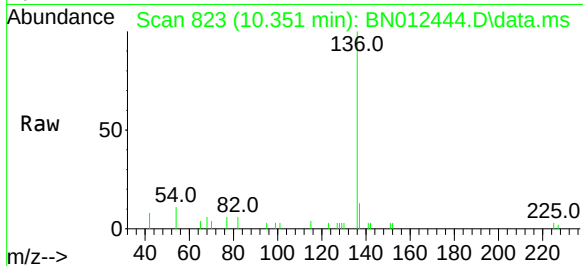




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.351 min Scan# 823
Delta R.T. -0.000 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

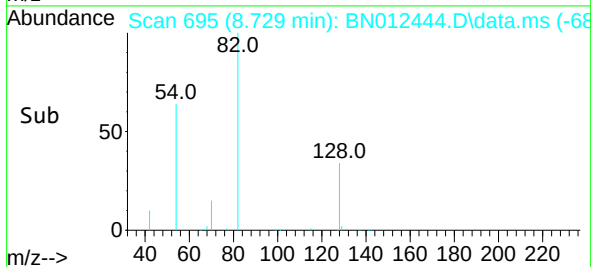
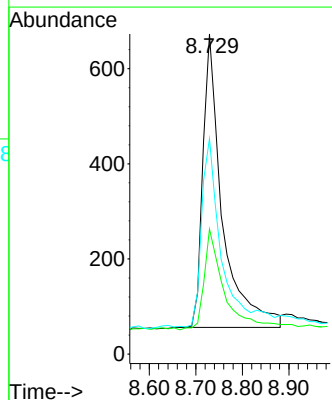
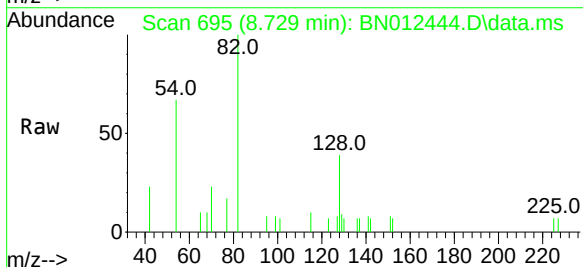
Instrument :
BNA_N
ClientSampleId :
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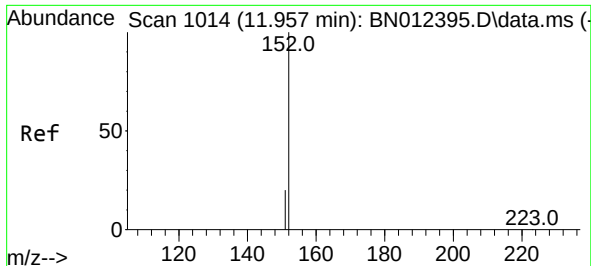
Tgt Ion:	136	Resp:	4454
Ion	Ratio	Lower	Upper
136	100		
137	13.4	10.6	15.8
54	10.5	8.6	12.8
68	5.9	5.7	8.5



#8
Nitrobenzene-d5
Concen: 0.37 ng
RT: 8.729 min Scan# 695
Delta R.T. -0.000 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

Tgt Ion:	82	Resp:	1795
Ion	Ratio	Lower	Upper
82	100		
128	39.1	30.6	46.0
54	67.3	48.3	72.5

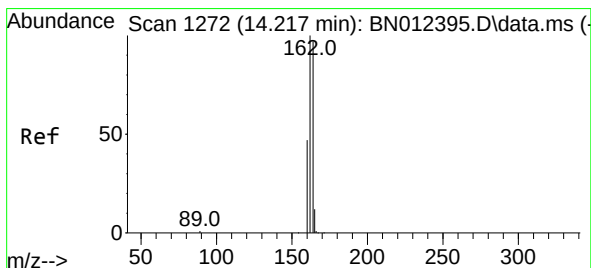
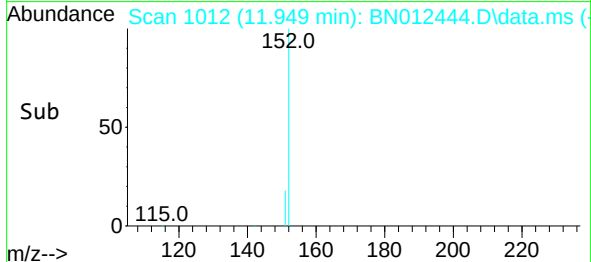
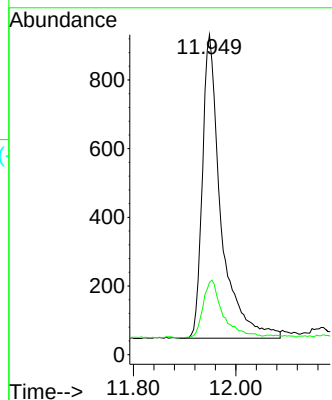
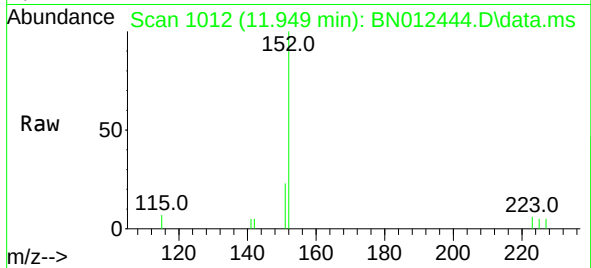




#11
2-Methylnaphthalene-d10
Concen: 0.31 ng
RT: 11.949 min Scan# 1012
Delta R.T. -0.005 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

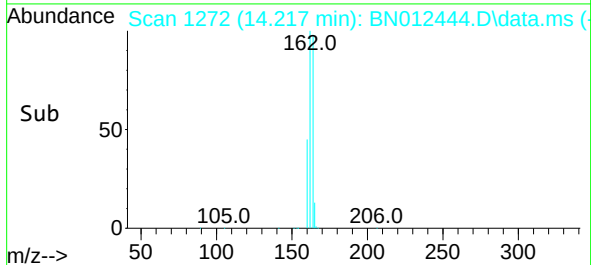
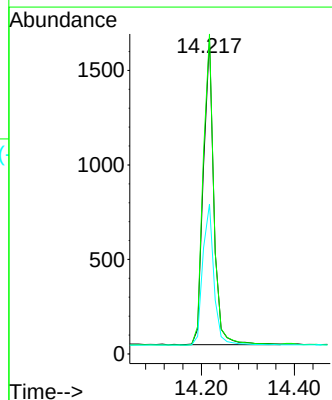
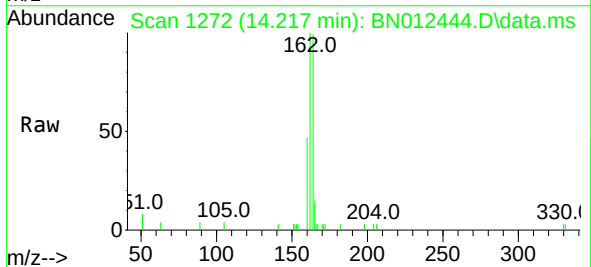
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B308-B309-LOC2-SO-0003

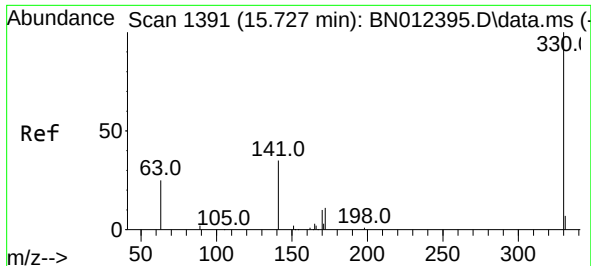
Tgt Ion:152 Resp: 2224
Ion Ratio Lower Upper
152 100
151 20.5 16.7 25.1



#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.217 min Scan# 1272
Delta R.T. -0.000 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

Tgt Ion:164 Resp: 2546
Ion Ratio Lower Upper
164 100
162 101.3 80.6 120.8
160 47.5 39.5 59.3

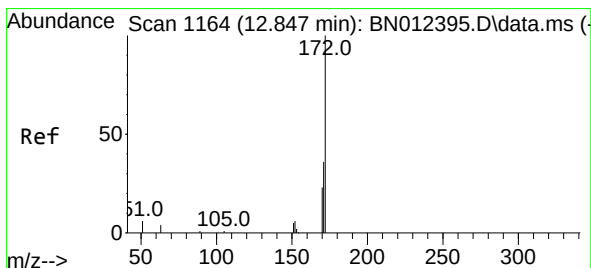
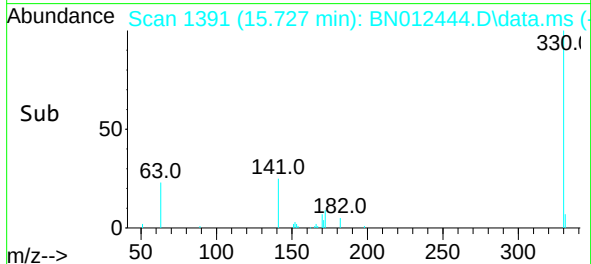
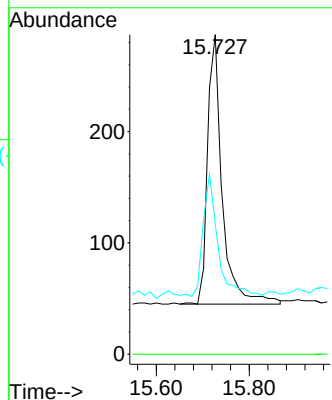
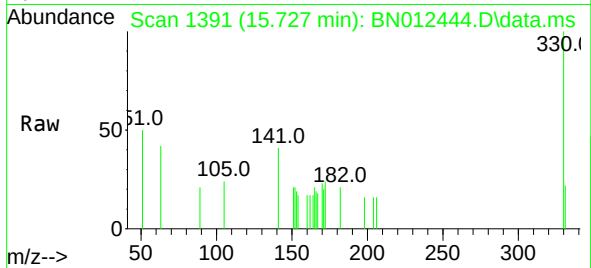




#14
2,4,6-Tribromophenol
Concen: 0.29 ng
RT: 15.727 min Scan# 1391
Delta R.T. -0.000 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

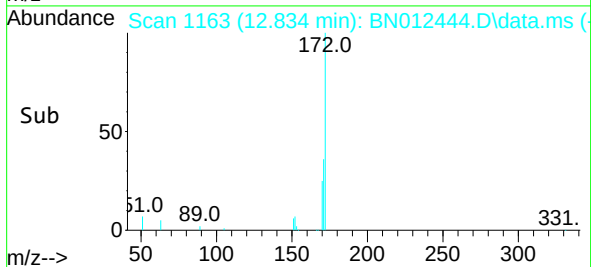
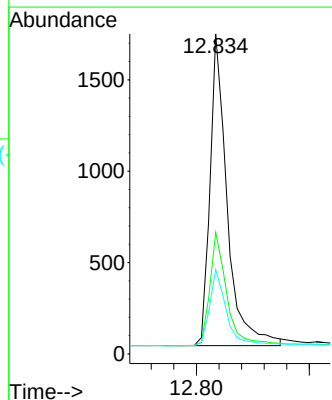
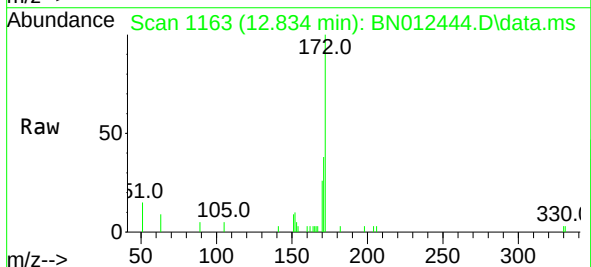
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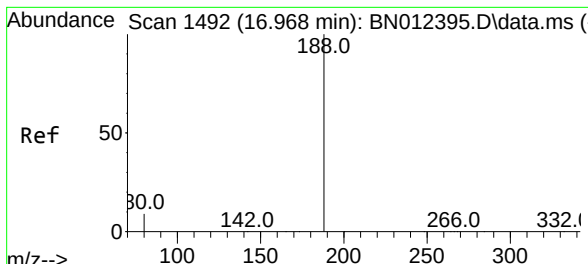
Tgt Ion:330 Resp: 532
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 44.0 34.4 51.6



#15
2-Fluorobiphenyl
Concen: 0.38 ng
RT: 12.834 min Scan# 1163
Delta R.T. -0.013 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

Tgt Ion:172 Resp: 3595
Ion Ratio Lower Upper
172 100
171 38.0 28.2 42.4
170 26.4 20.0 30.0

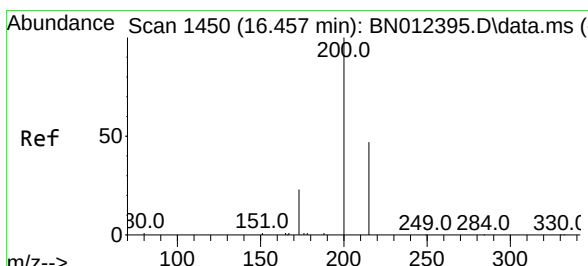
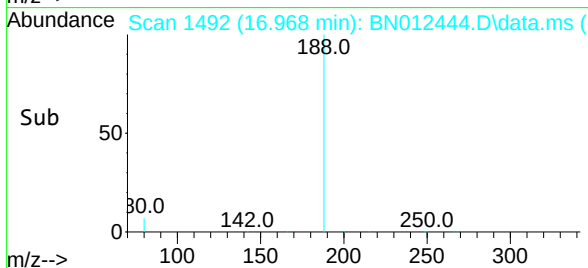
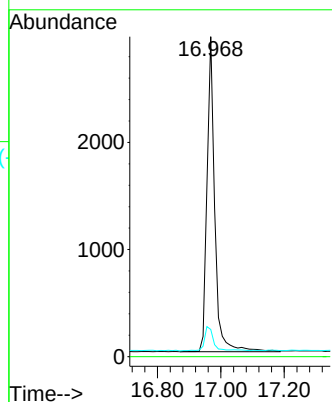
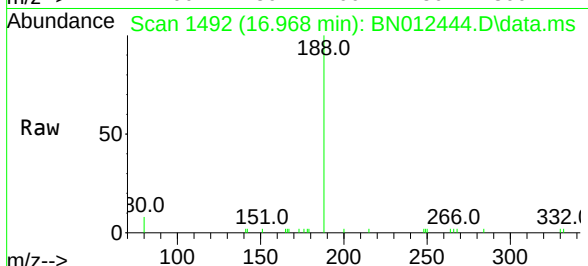




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.968 min Scan# 1492
Delta R.T. -0.000 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

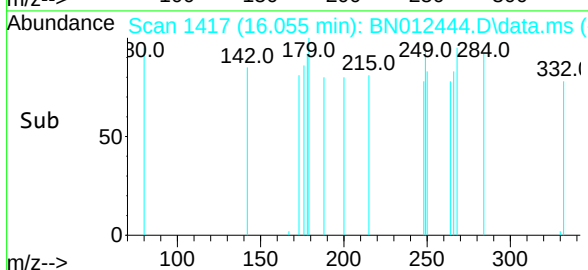
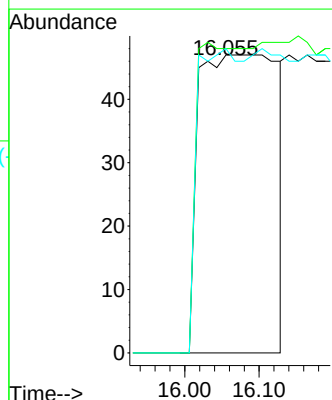
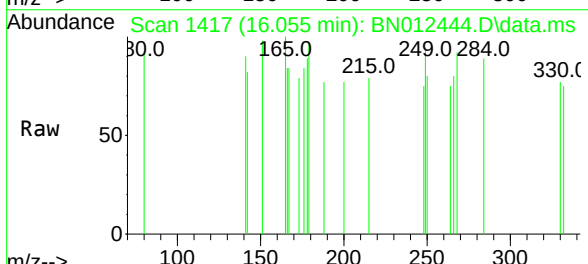
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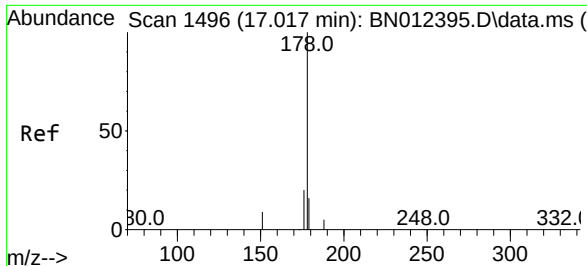
Tgt Ion:188	Resp:	5025
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0
80	8.5	5.0



#23
Atrazine
Concen: 0.12 ng
RT: 16.055 min Scan# 1417
Delta R.T. -0.402 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

Tgt Ion:200	Resp:	341
Ion Ratio	Lower	Upper
200	100	
173	102.1	22.8
215	102.1	38.1

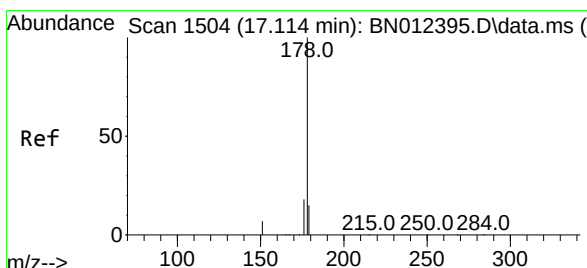
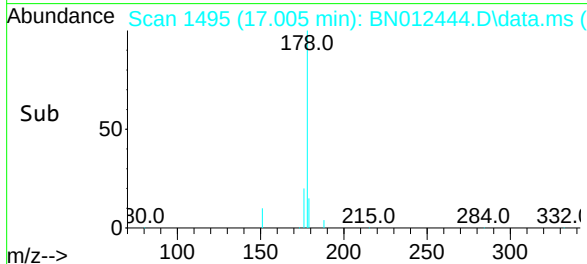
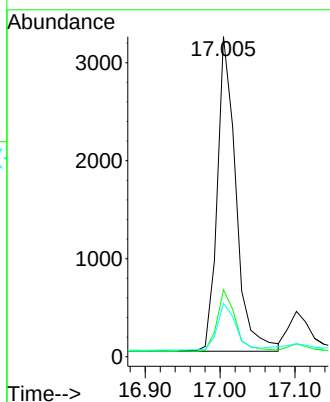
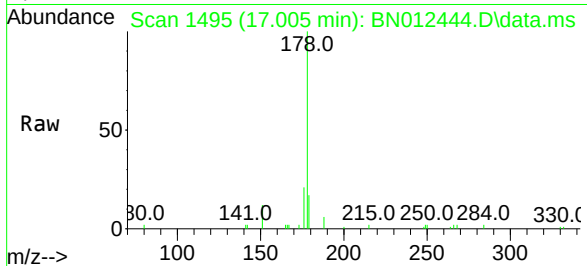




#25
Phenanthrene
Concen: 0.38 ng
RT: 17.005 min Scan# 1495
Delta R.T. -0.012 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

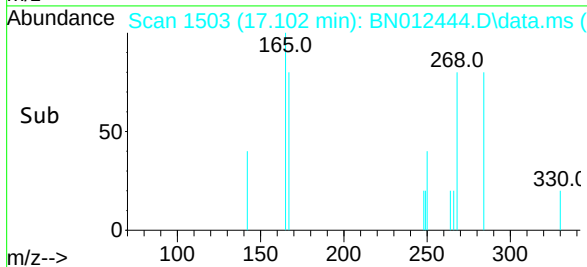
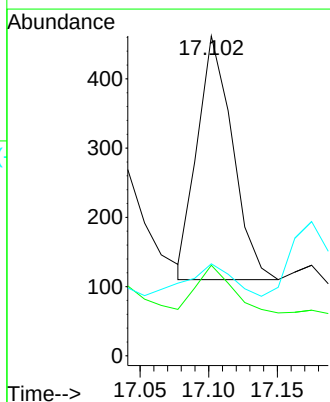
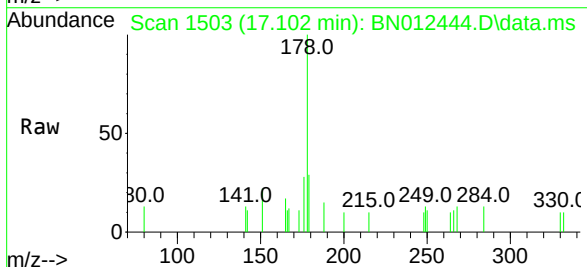
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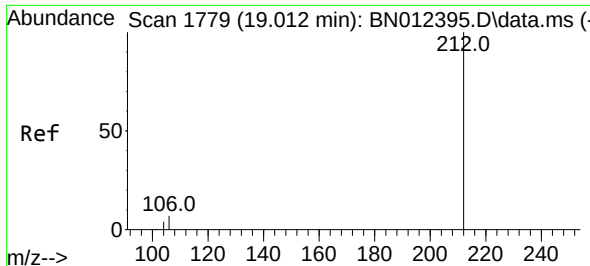
Tgt Ion:178	Resp:	5556
Ion Ratio	Lower	Upper
178	100	
176	19.9	14.8 22.2
179	15.4	12.4 18.6



#26
Anthracene
Concen: 0.05 ng
RT: 17.102 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

Tgt Ion:178	Resp:	627
Ion Ratio	Lower	Upper
178	100	
176	23.1	14.8 22.2#
179	16.9	12.5 18.7

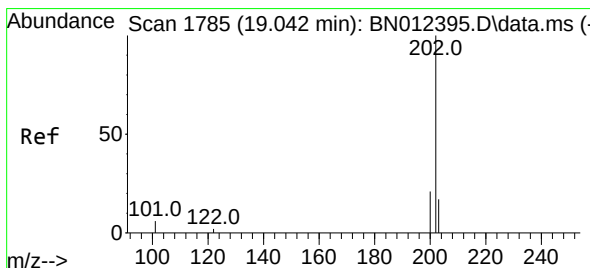
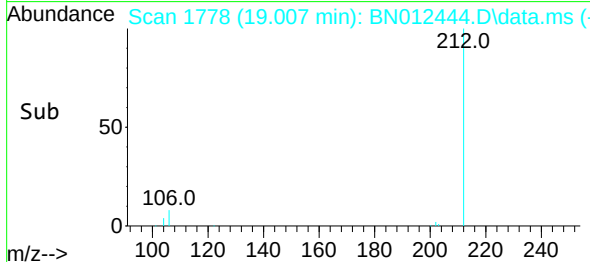
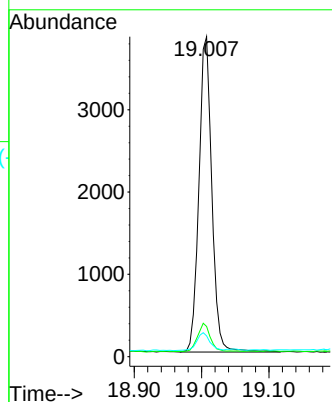
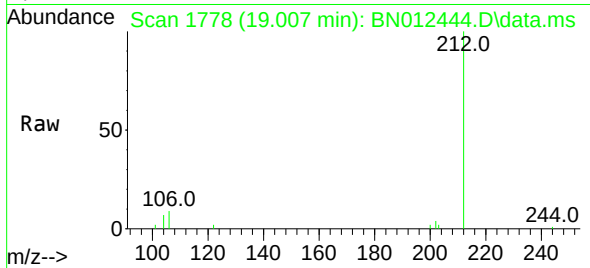




#27
Fluoranthene-d10
Concen: 0.33 ng
RT: 19.007 min Scan# 1778
Delta R.T. -0.005 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

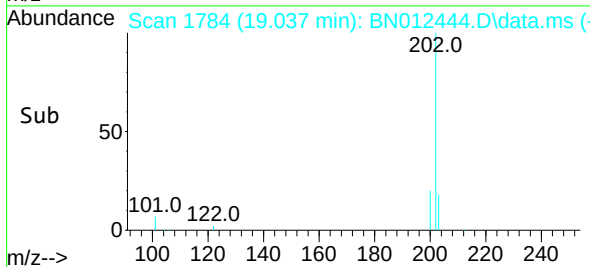
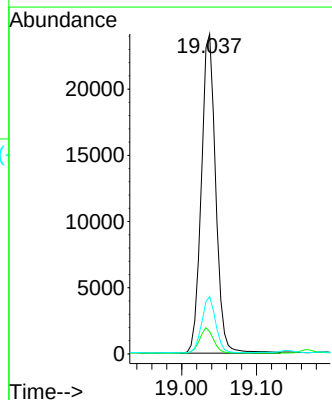
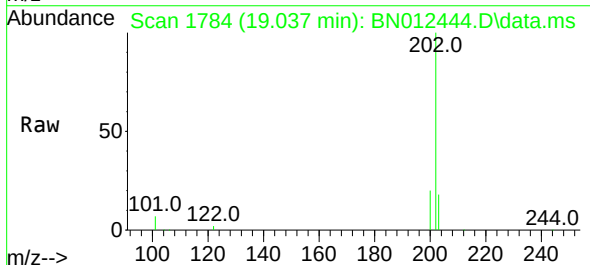
Instrument :
BNA_N
ClientSampleId :
B308-B309-LOC2-SO-0003

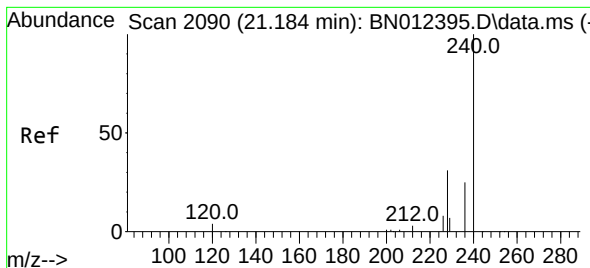
Tgt Ion:212 Resp: 5113
Ion Ratio Lower Upper
212 100
106 9.1 6.8 10.2
104 5.8 4.1 6.1



#28
Fluoranthene
Concen: 1.85 ng
RT: 19.037 min Scan# 1784
Delta R.T. -0.005 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

Tgt Ion:202 Resp: 32201
Ion Ratio Lower Upper
202 100
101 7.6 5.8 8.6
203 17.2 13.7 20.5





#29

Chrysene-d12

Concen: 0.40 ng

RT: 21.173 min Scan# 2089

Delta R.T. -0.000 min

Lab File: BN012444.D

Acq: 29 Oct 2020 18:45

Tgt Ion:240 Resp: 5372

Ion Ratio Lower Upper

240 100

120 9.2 5.3 7.9#

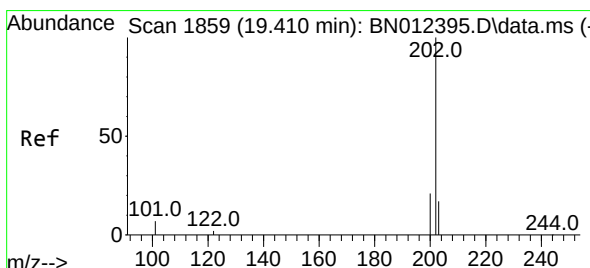
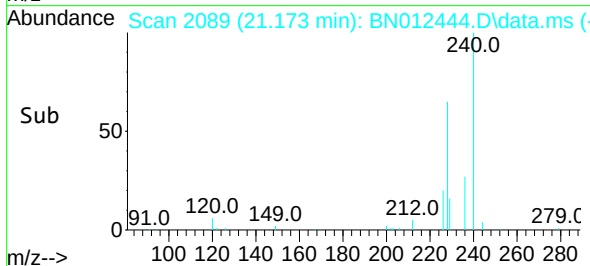
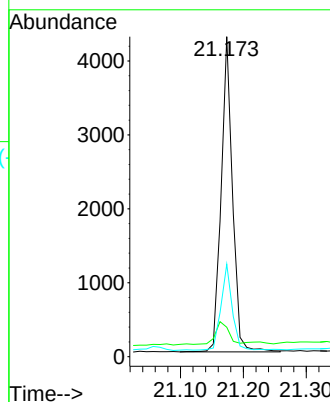
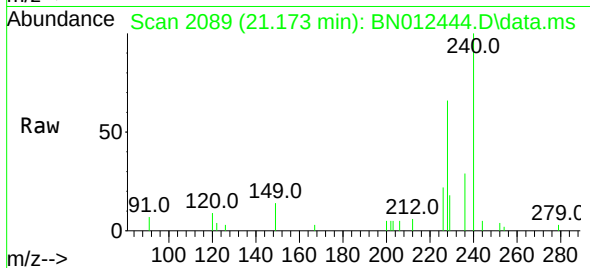
236 28.9 21.8 32.8

Instrument :

BNA_N

ClientSampleId :

B308-B309-LOC2-SO-0003



#30

Pyrene

Concen: 1.64 ng

RT: 19.400 min Scan# 1857

Delta R.T. -0.010 min

Lab File: BN012444.D

Acq: 29 Oct 2020 18:45

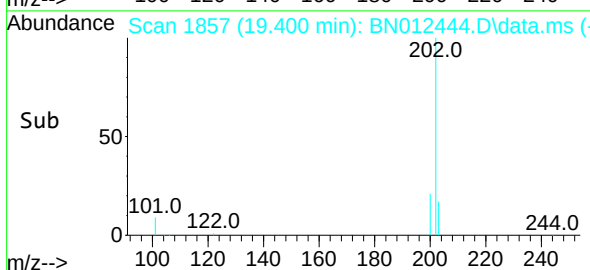
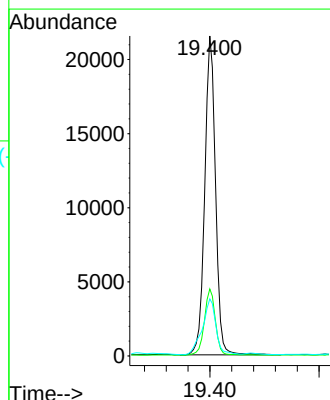
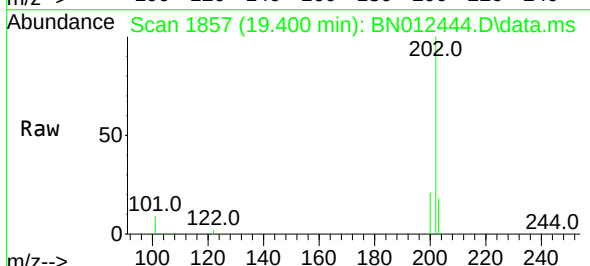
Tgt Ion:202 Resp: 29745

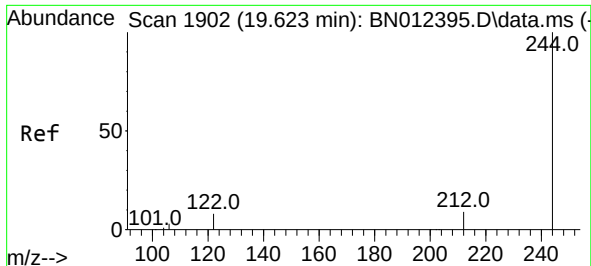
Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

203 21.8 13.8 20.8#

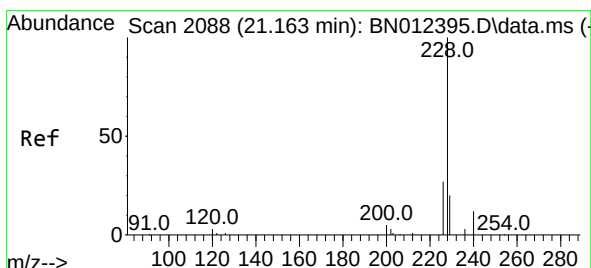
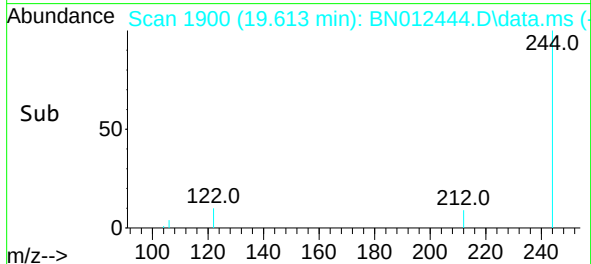
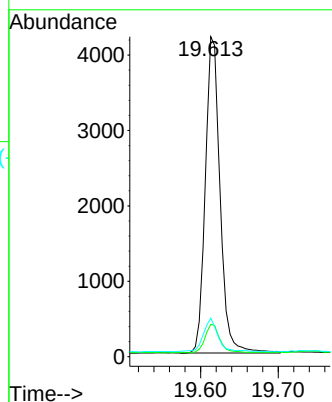
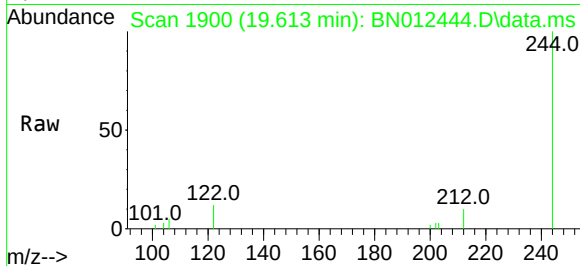




#31
 Terphenyl-d14
 Concen: 0.44 ng
 RT: 19.613 min Scan# 1900
 Delta R.T. -0.010 min
 Lab File: BN012444.D
 Acq: 29 Oct 2020 18:45

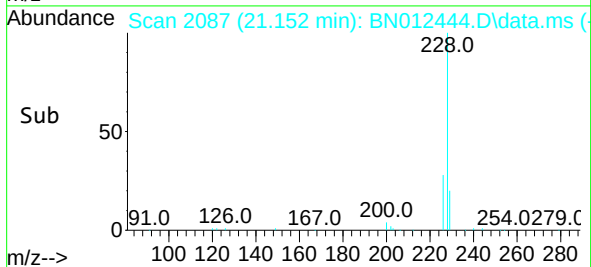
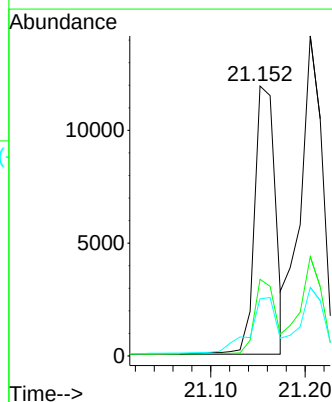
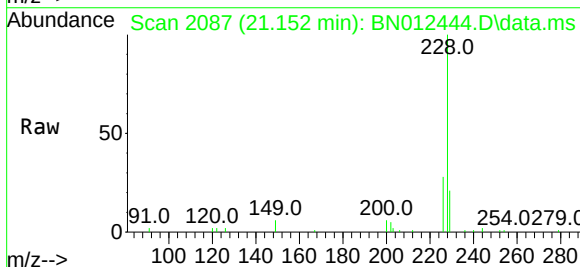
Instrument :
 BNA_N
 ClientSampleId :
 B308-B309-LOC2-SO-0003

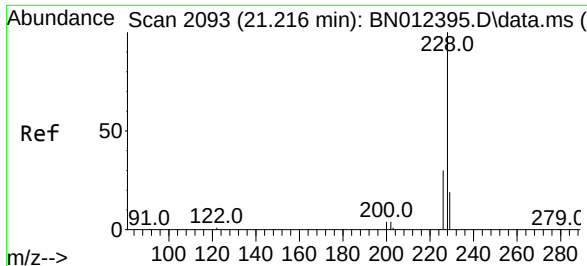
Tgt Ion:244 Resp: 5555
 Ion Ratio Lower Upper
 244 100
 212 10.1 7.3 10.9
 122 12.1 7.3 10.9#



#32
 Benzo(a)anthracene
 Concen: 1.11 ng
 RT: 21.152 min Scan# 2087
 Delta R.T. -0.011 min
 Lab File: BN012444.D
 Acq: 29 Oct 2020 18:45

Tgt Ion:228 Resp: 18174
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.3 33.5
 229 21.2 15.7 23.5

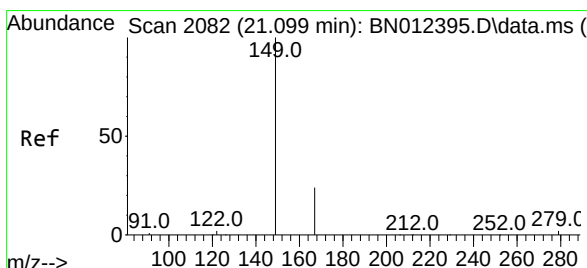
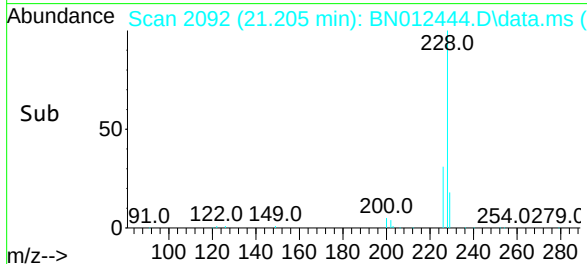
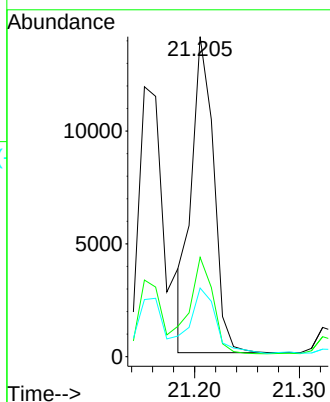
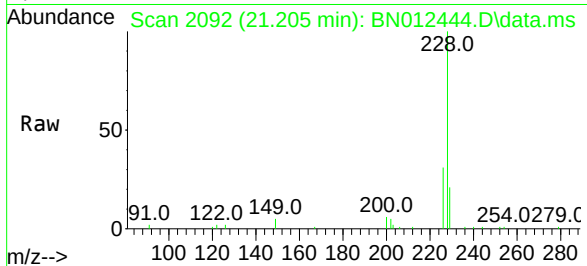




#33
Chrysene
Concen: 1.11 ng
RT: 21.205 min Scan# 2092
Delta R.T. -0.011 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

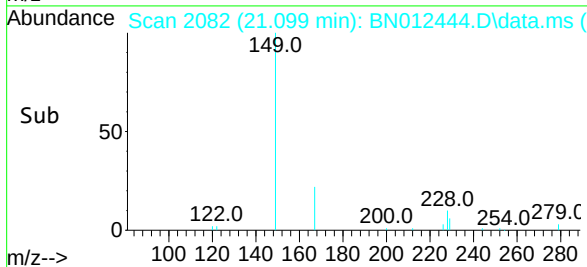
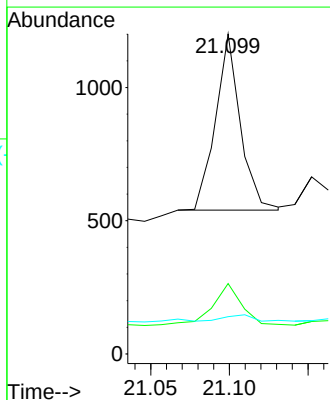
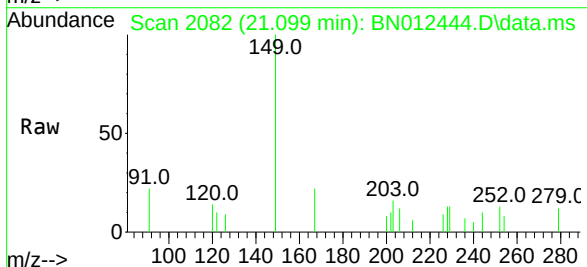
Instrument :
BNA_N
ClientSampleId :
B308-B309-LOC2-SO-0003

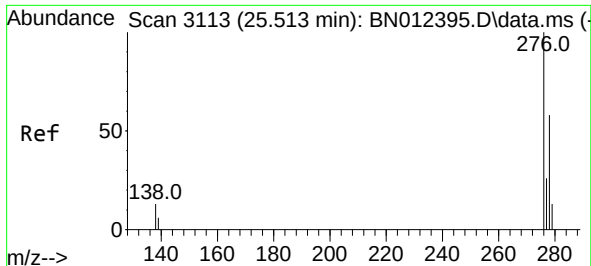
Tgt Ion:228	Resp:	20404
Ion Ratio	Lower	Upper
228	100	
226	31.1	24.2 36.2
229	21.5	15.7 23.5



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.07 ng
RT: 21.099 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

Tgt Ion:149	Resp:	725
Ion Ratio	Lower	Upper
149	100	
167	25.0	23.2 34.8
279	3.9	3.9 5.9#

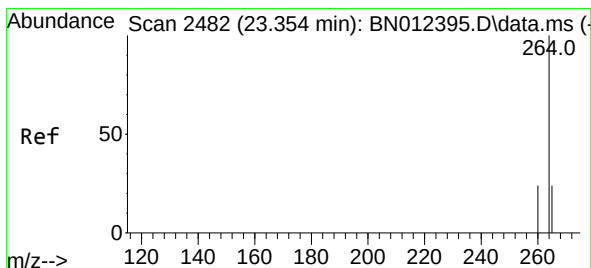
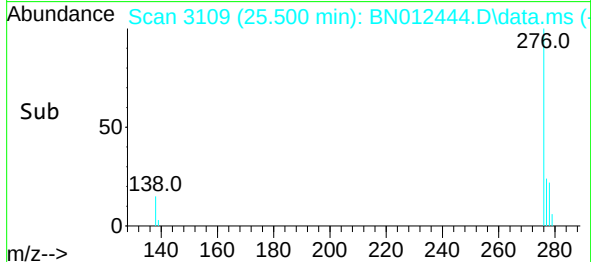
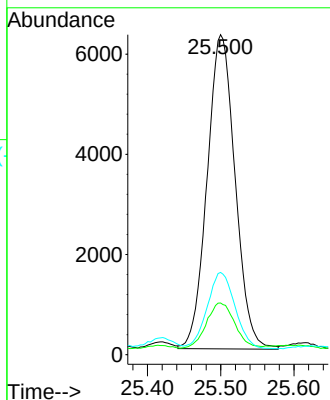
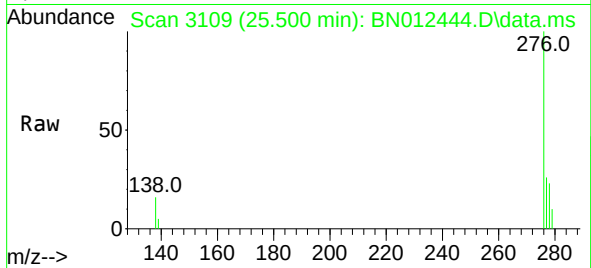




#35
Indeno(1,2,3-cd)pyrene
Concen: 0.63 ng
RT: 25.500 min Scan# 3109
Delta R.T. -0.010 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

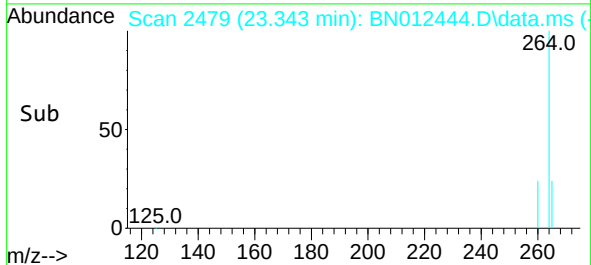
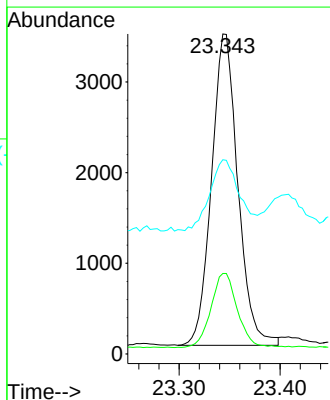
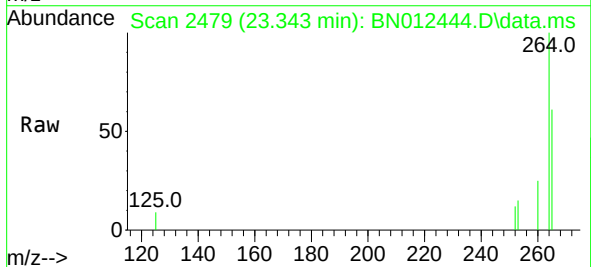
Instrument :
BNA_N
ClientSampleId :
B308-B309-LOC2-SO-0003

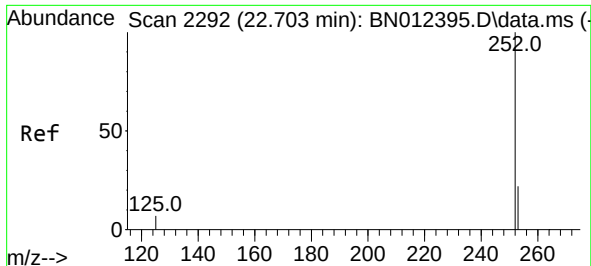
Tgt Ion:276 Resp: 16672
Ion Ratio Lower Upper
276 100
138 14.4 13.3 19.9
277 24.2 20.2 30.4



#36
Perylene-d12
Concen: 0.40 ng
RT: 23.343 min Scan# 2479
Delta R.T. -0.010 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

Tgt Ion:264 Resp: 6234
Ion Ratio Lower Upper
264 100
260 25.1 19.8 29.6
265 60.7 51.4 77.0

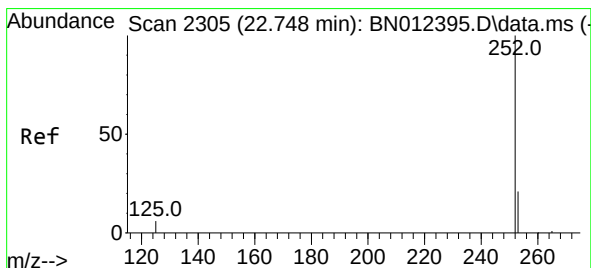
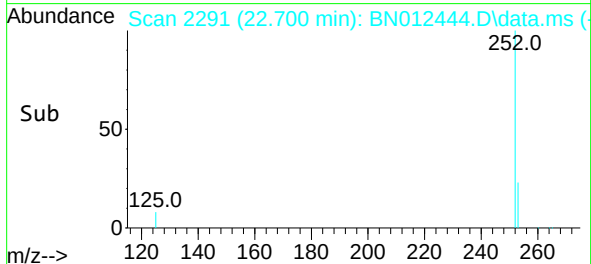
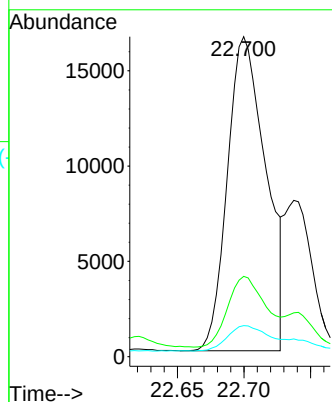
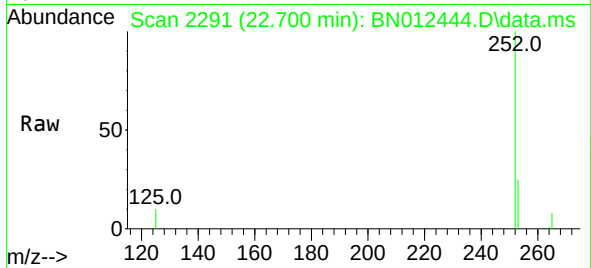




#37
Benzo(b)fluoranthene
Concen: 1.69 ng
RT: 22.700 min Scan# 2291
Delta R.T. -0.004 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

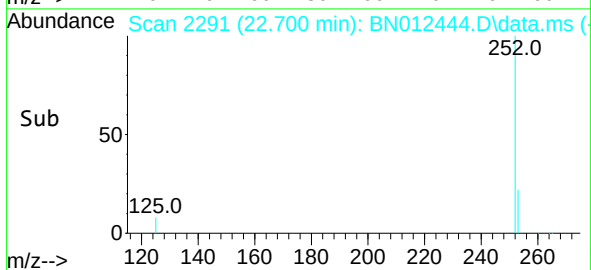
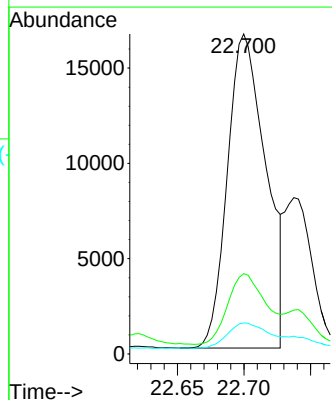
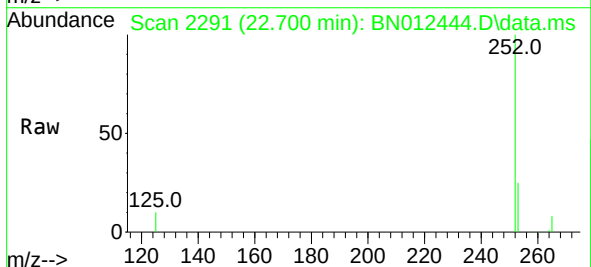
Instrument :
BNA_N
ClientSampleId :
B308-B309-LOC2-SO-0003

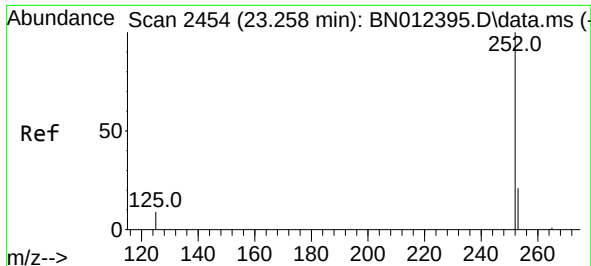
Tgt Ion:252 Resp: 33157
Ion Ratio Lower Upper
252 100
253 25.1 20.1 30.1
125 9.7 7.2 10.8



#38
Benzo(k)fluoranthene
Concen: 1.55 ng
RT: 22.700 min Scan# 2291
Delta R.T. -0.048 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

Tgt Ion:252 Resp: 33157
Ion Ratio Lower Upper
252 100
253 25.1 19.8 29.8
125 9.7 7.1 10.7





#39

Benzo(a)pyrene

Concen: 1.08 ng

RT: 23.251 min Scan# 2452

Delta R.T. -0.010 min

Lab File: BN012444.D

Acq: 29 Oct 2020 18:45

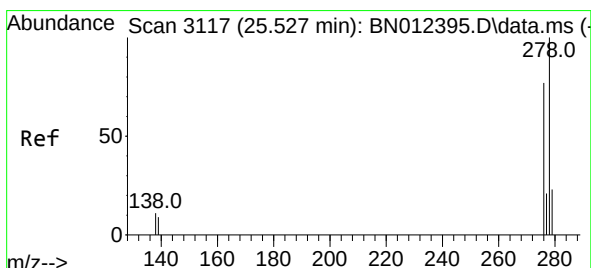
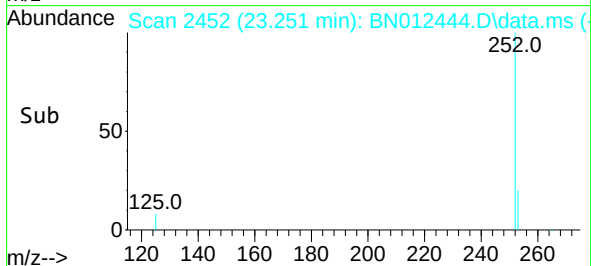
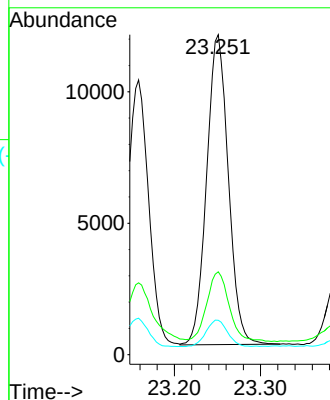
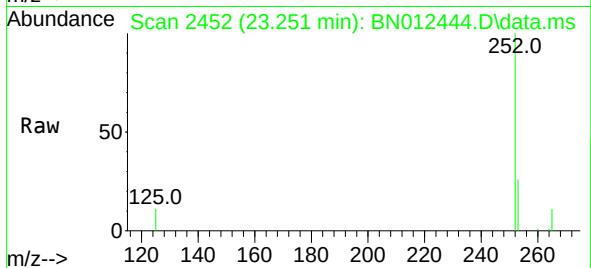
Tgt Ion:252 Resp: 20613

Ion Ratio Lower Upper

252 100

253 25.9 21.3 31.9

125 10.8 8.3 12.5



#40

Dibenzo(a,h)anthracene

Concen: 0.21 ng

RT: 25.507 min Scan# 3111

Delta R.T. -0.021 min

Lab File: BN012444.D

Acq: 29 Oct 2020 18:45

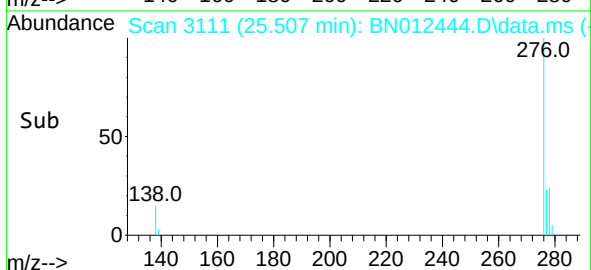
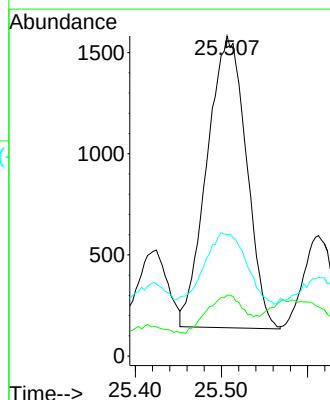
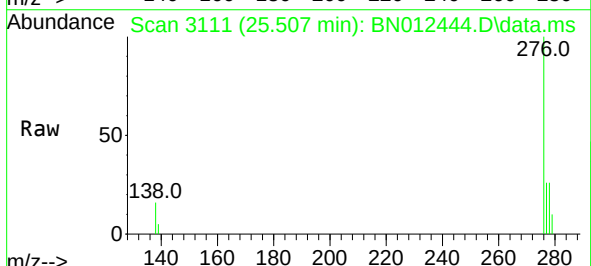
Tgt Ion:278 Resp: 4571

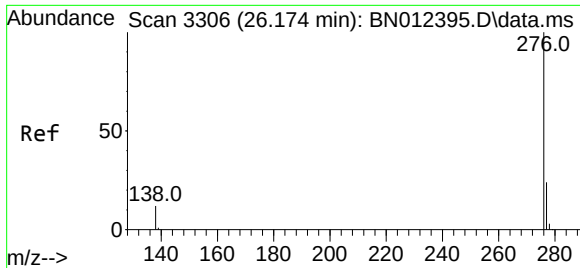
Ion Ratio Lower Upper

278 100

139 19.0 9.3 13.9#

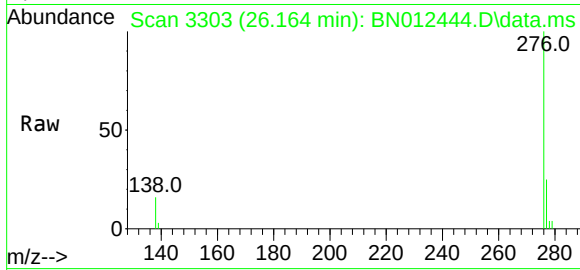
279 37.9 21.6 32.4#





#41
Benzo(g,h,i)perylene
Concen: 0.78 ng
RT: 26.164 min Scan# 3303
Delta R.T. -0.007 min
Lab File: BN012444.D
Acq: 29 Oct 2020 18:45

Instrument :
BNA_N
ClientSampleId :
B308-B309-LOC2-SO-0003



Tgt Ion:	276	Resp:	17706
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.8	29.8
138	16.0	11.7	17.5

